Engineering Connection Assessment

P2553 Dolcy Solar + Energy Storage Project Connection

Dolcy Solar Inc.

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NOTE:

The conclusions and recommendations in this report are based on the results presented in *Appendix A: Engineering Connection Assessment: Study Results*, which was prepared by a third-party consultant in accordance with the AESO Connection Process.

The AESO has reviewed the *Engineering Connection Assessment: Study Results* and finds it acceptable for the purpose of assessing the potential impacts of the proposed connection on the performance of the Alberta interconnected electric system.

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Attachment A: Table A-1: Summary of Category B Reliability Criteria Violations, Project Impact and Mitigation Measures- All Scenarios
Appendix A Engineering Connection Assessment Results

1 Introduction

This Alberta Electric System Operator (AESO) Engineering Connection Assessment describes the engineering studies that were completed to assess the impact of the Project (as defined below) on the performance of the Alberta interconnected electric system (AIES). This report also provides the AESO's conclusions and recommendations based on the results of the engineering studies.

An appendix to this Engineering Connection Assessment contains the results of the engineering studies and the scope and methodology used to perform the studies (see Appendix A). This appendix provides details regarding the technical criteria, assumptions, and methods for performing these engineering studies, and the results of the engineering studies.

1.1 Project Overview

Dolcy Solar Inc. (Market Participant) has submitted a request for system access service to the AESO to connect its approved Dolcy Solar + Energy Storage Project (Facility)[1] to the AIES. The Facility includes a collector substation, to be designated the Dolcy 1148S substation.

The Market Participant's request includes: a request for new system access service in the area, with a Rate STS, *Supply Transmission Service*, contract capacity of 300 MW and a Rate DTS, *Demand Transmission Service*, contract capacity of 1 MW; and a request for transmission development (collectively, the Project).

The scheduled in-service date (ISD) for the Project is September 1, 2028.

[1] Power Plant Approval 28723-D02-2024, 28723-D04-2024, and Substation Permit and Licence 28723-D03-2024, Dolcy Solar + Energy Storage Project.

2 Assessment Scope

2.1 Objectives

The objectives of the AESO Engineering Connection Assessment are as follows:

- Assess the impact of the Project on the performance of the AIES.
- Evaluate Project connection alternatives and identify the AESO's preferred alternative.
- Recommend mitigation measures, if required, to reliably connect the Project to the AIES.
- Identify Project dependencies, including any TFO projects or AESO plans to expand or enhance the transmission system that must be completed prior to connection.

2.2 Existing System

Geographically, the Project is located in the AESO planning area of Provost (Area 37), which is part of the AESO's Central Planning Region. Provost (Area 37) is surrounded by the planning areas of Wainwright (Area 32), Alliance/Battle River (Area 36), and Hanna (Area 42).

From a transmission system perspective, Provost (Area 37) consists of 138/144 kV, and 240 kV transmission systems. The Provost area (Area 37) is connected to the Wainwright area (Area 32) with one 138 kV transmission line 703L and two 240 kV transmission lines 953L and 1047L, the Lloydminster area (Area 13) with one 138/144 kV transmission line 7L749, the Alliance/Battle River area (Area 36) with two 240 kV transmission lines 948L/9L948 and 953L, and the Hanna area (Area 42) with one 138/144 kV transmission line 7L224 and one 240 kV transmission line 966L/9L966.

Existing constraints in the Central planning region are managed in accordance with the procedures set out in Section 302.1 of the ISO rules, *Real Time Transmission Constraint Management* (TCM Rule).

2.3 Study Area

The Study Area consists of the AESO planning areas of Lloydminster (Area 13), Wainwright (Area 32), Alliance/Battle River (Area 36), Provost (Area 37), Hanna (Area 42), and Vegreville (Area 56), including the tie lines connecting these planning areas to the rest of the AIES.

All transmission facilities within the Study Area will be studied and monitored for violations of the Reliability Criteria (defined in Section 3.1 of Appendix A – A1: Engineering Connection Assessment Scope).

3 Connection Alternatives

3.1 Overview

The AESO, in consultation with the TFO in the Study Area and the Market Participant, examined ten transmission alternatives to meet the Market Participant's request for system access service, as detailed in Section 3.2.

3.2 Connection Alternatives Examined

Below is a description of the developments associated with the transmission alternatives that were examined for the Project.

Alternative 1 – Radial 240 kV connection to Metiskow 648S substation

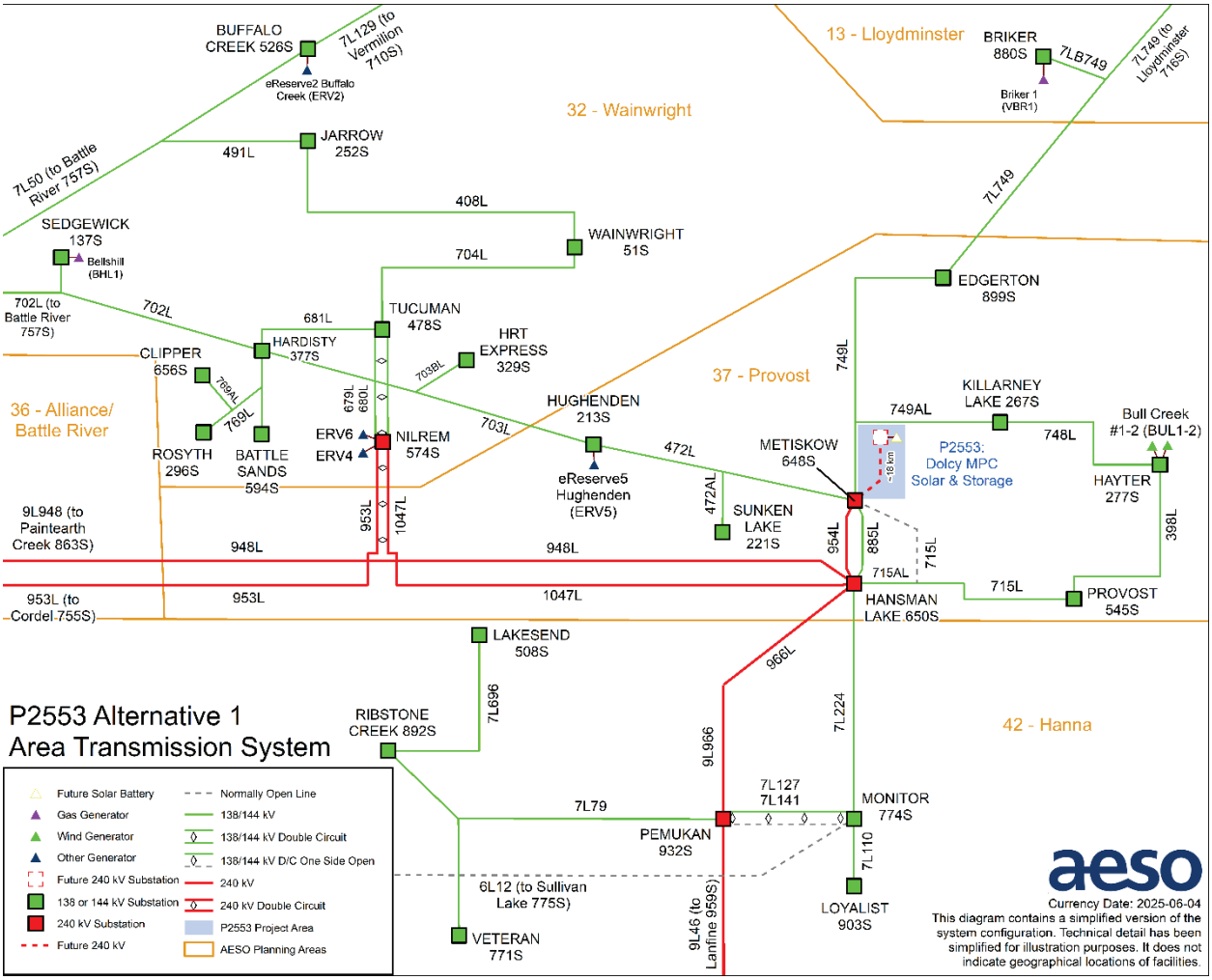
This alternative includes the following developments:

- Add one 240 kV circuit, approximately 18 kilometers[2] in length, to connect the Facility to the existing Metiskow 648S substation using a radial configuration;
- Modify Metiskow 648S substation, including adding a minimum of two 240 kV circuit breakers; and
- Add or modify associated equipment as required for the above transmission developments.

The proposed connection configuration is shown in Figure 3-1.

[2] Exact line length to be determined by the TFO

Figure 3-1: Connection Alternative 1



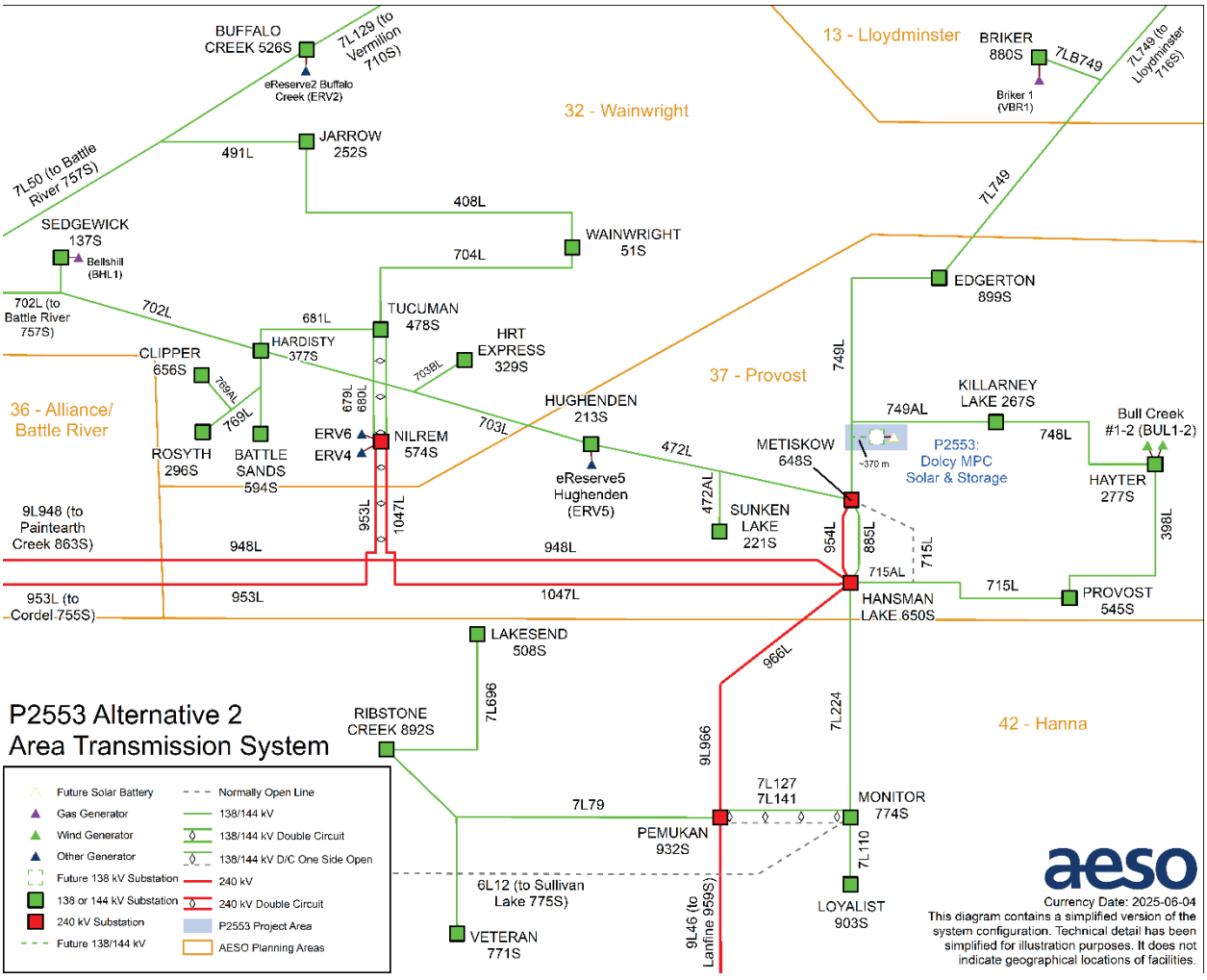
Alternative 2 – T-tap connection to the 138 kV transmission line 749L

This alternative includes the following developments:

- Add one 138 kV circuit, approximately 0.4 kilometers[3] in length, to connect the Facility to the existing 138 kV transmission line 749L (between Edgerton 899S - Metiskow 648S) using a T-tap configuration; and
- Add or modify associated equipment as required for the above transmission developments.

The proposed connection configuration is shown in Figure 3-2.

Figure 3-2: Connection Alternative 2



[3] Exact line length to be determined by the TFO

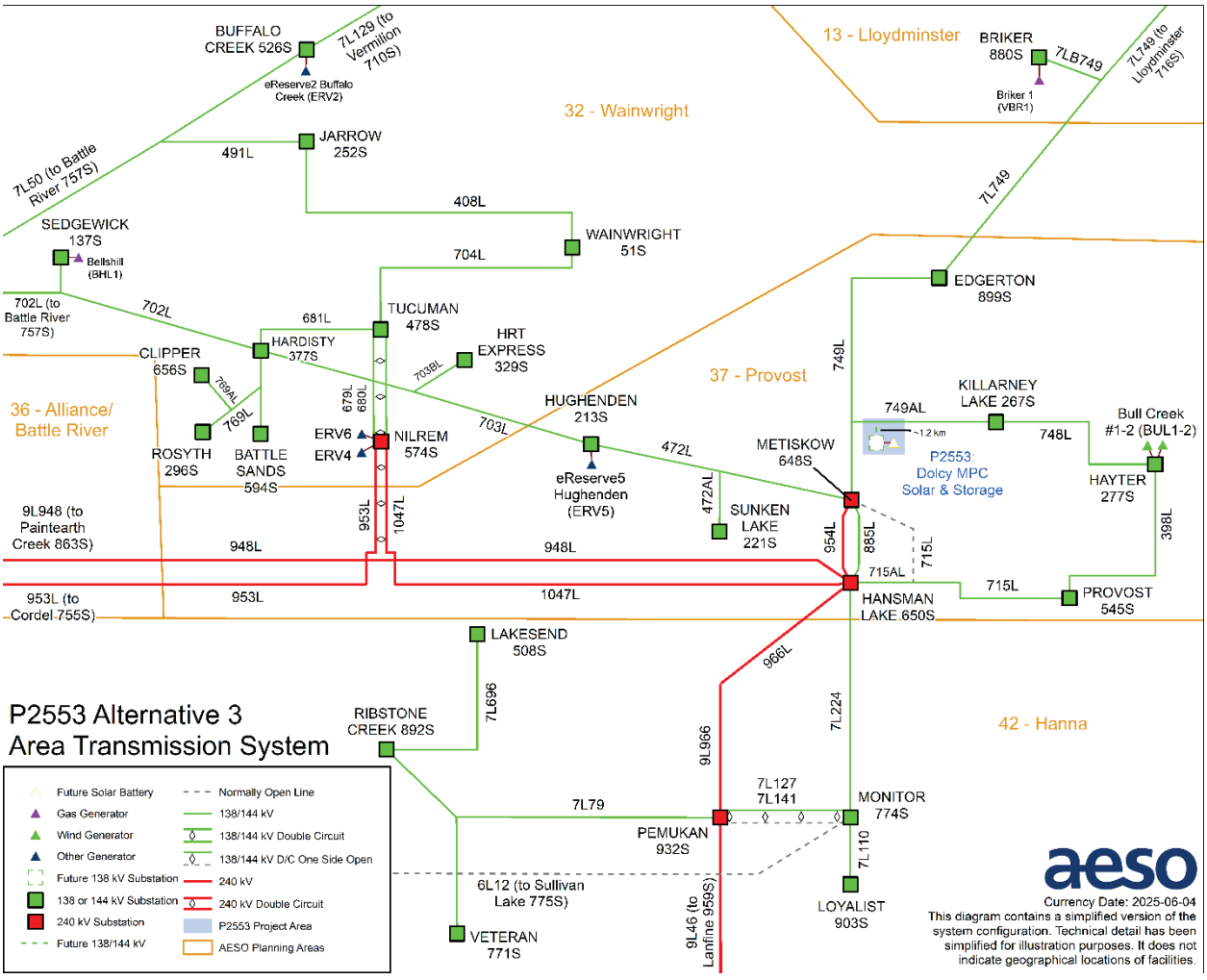
Alternative 3 – T-tap connection to the 138 kV transmission line 749AL

This alternative includes the following developments:

- Add one 138 kV circuit, approximately 1.2 kilometers[4] in length, to connect the Facility to the existing 138 kV transmission line 749AL (between Killarney Lake 267S - Metiskow 648S) using a T-tap configuration; and
- Add or modify associated equipment as required for the above transmission developments.

The proposed connection configuration is shown in Figure 3-3.

Figure 3-3: Connection Alternative 3



[4] Exact line length to be determined by the TFO

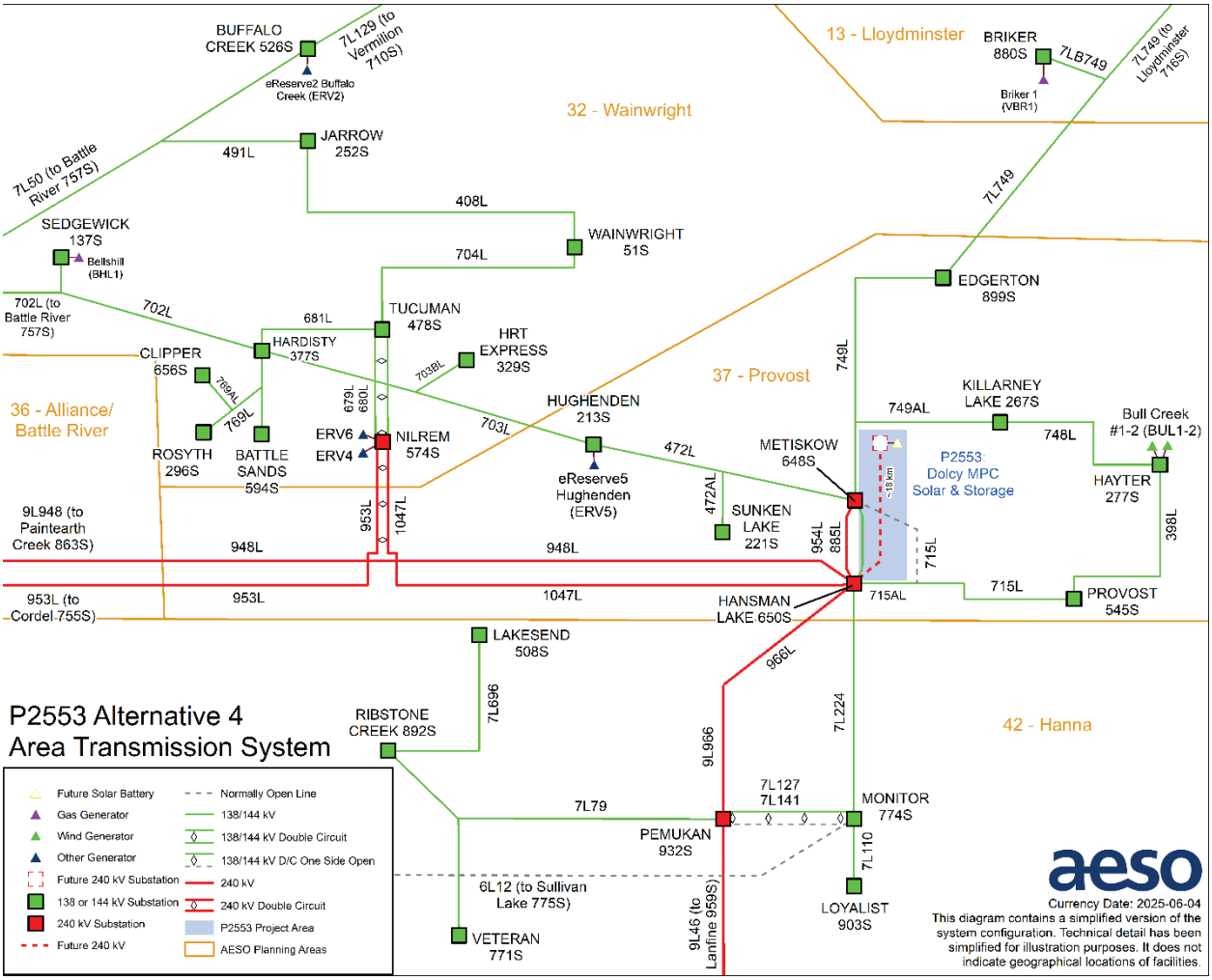
Alternative 4 – Radial 240 kV connection to Hansman Lake 650S substation

This alternative includes the following developments:

- Add one 240 kV circuit, approximately 18 kilometers[5] in length, to connect the Facility to the existing Hansman Lake 650S substation using a radial configuration;
- Modify Hansman Lake 650S substation, including adding one 240 kV circuit breaker; and
- Add or modify associated equipment as required for the above transmission developments.

The proposed connection configuration is shown in Figure 3-4.

Figure 3-4: Connection Alternative 4



[5] Exact line length to be determined by the TFO

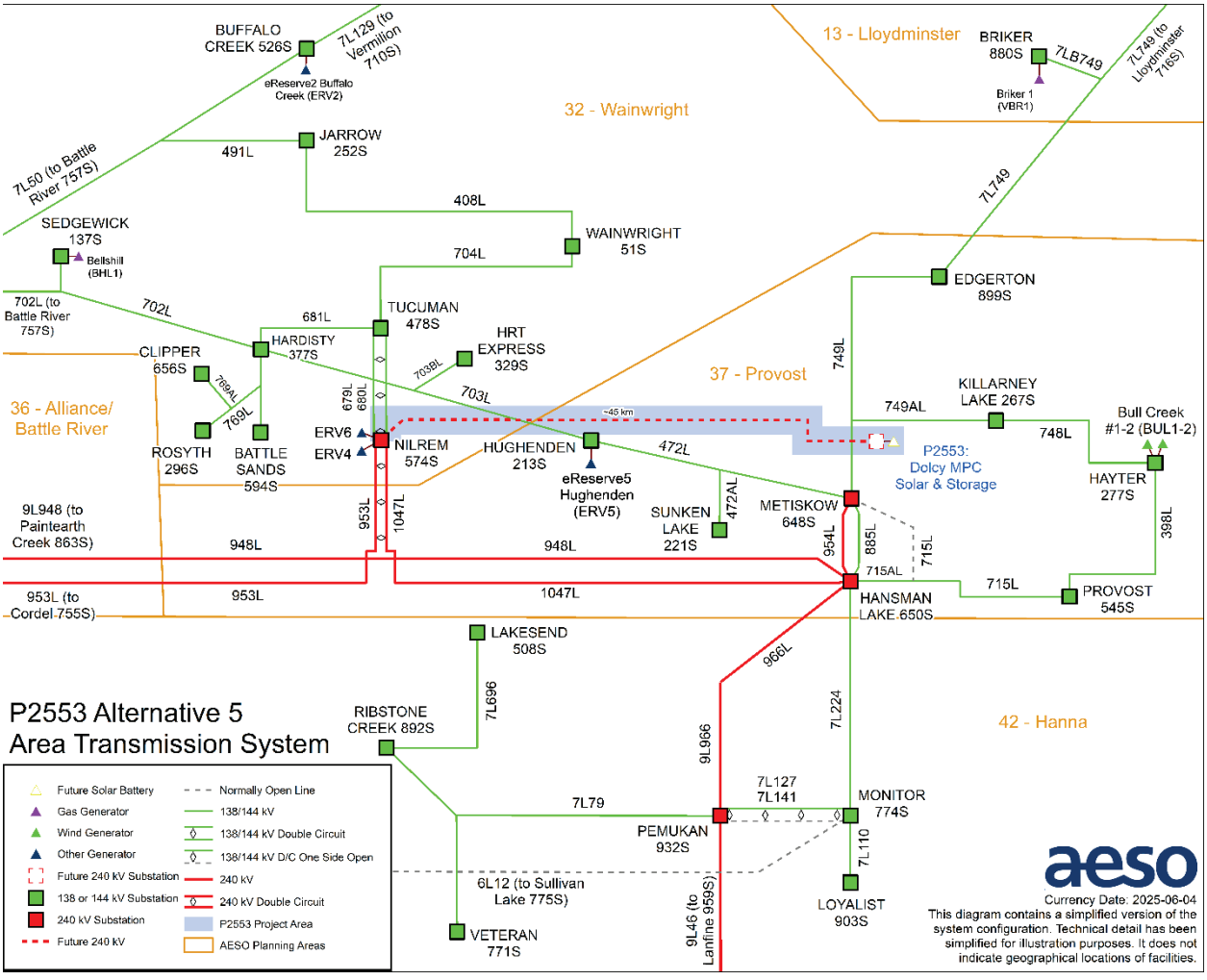
Alternative 5 – Radial 240 kV connection to Nilrem 574S substation

This alternative includes the following developments:

- Add one 240 kV circuit, approximately 45 kilometers[6] in length, to connect the Facility to the existing Nilrem 574S substation using a radial configuration;
- Modify Nilrem 574S substation, including adding one 240 kV circuit breaker; and
- Add or modify associated equipment as required for the above transmission developments.

The proposed connection configuration is shown in Figure 3-5.

Figure 3-5: Connection Alternative 5



[6] Exact line length to be determined by the TFO

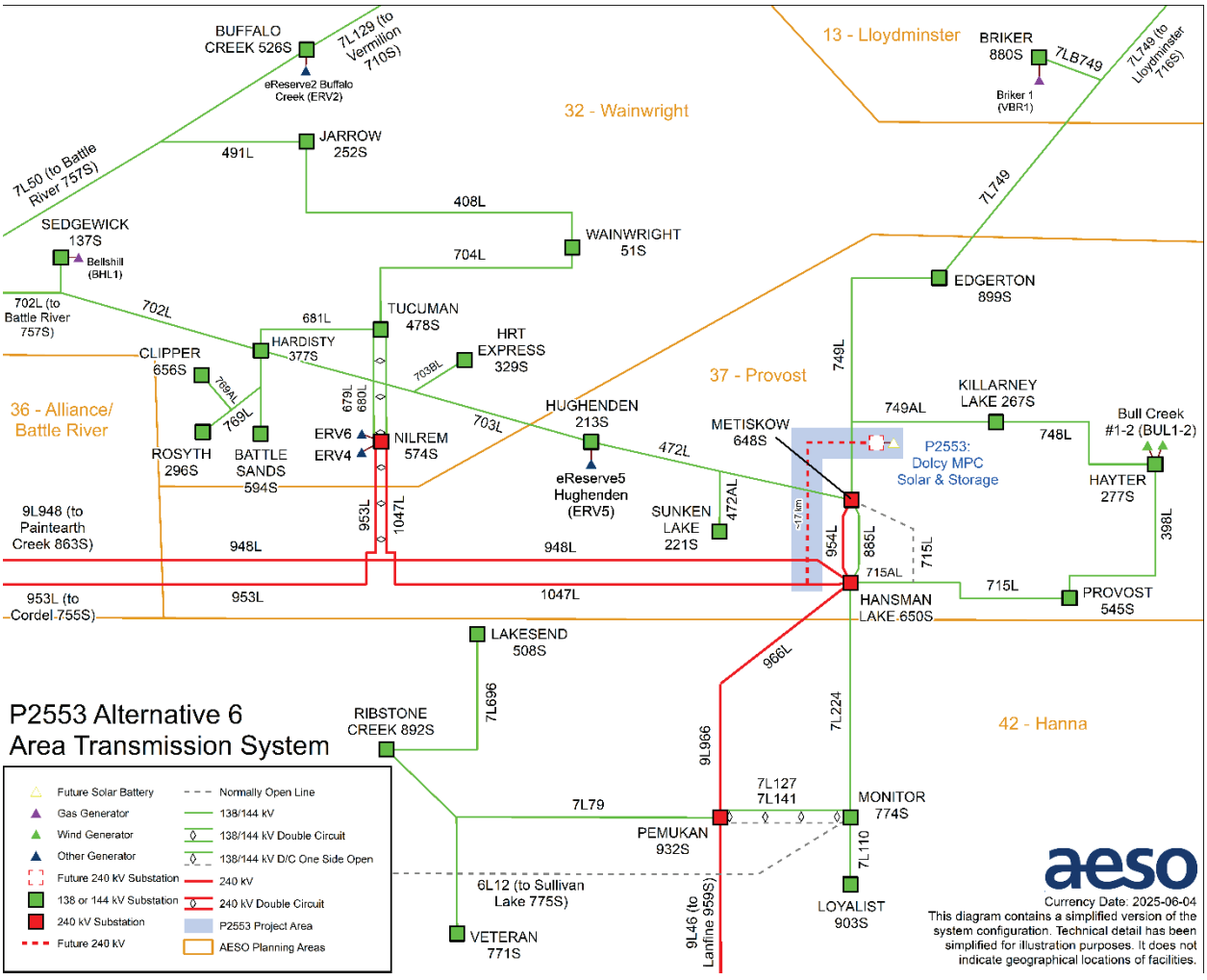
Alternative 6 – T-tap connection to the 240 kV transmission line 1047L

This alternative includes the following developments:

- Add one 240 kV circuit, approximately 17 kilometers[7] in length, to connect the Facility to the existing 240 kV transmission line 1047L (between Nilrem 574S - Hansman Lake 650S) using a T-tap configuration which requires crossing the 240 kV transmission line 948L; and
- Add or modify associated equipment as required for the above transmission developments.

The proposed connection configuration is shown in Figure 3-6.

Figure 3-6: Connection Alternative 6



[7] Exact line length to be determined by the TFO

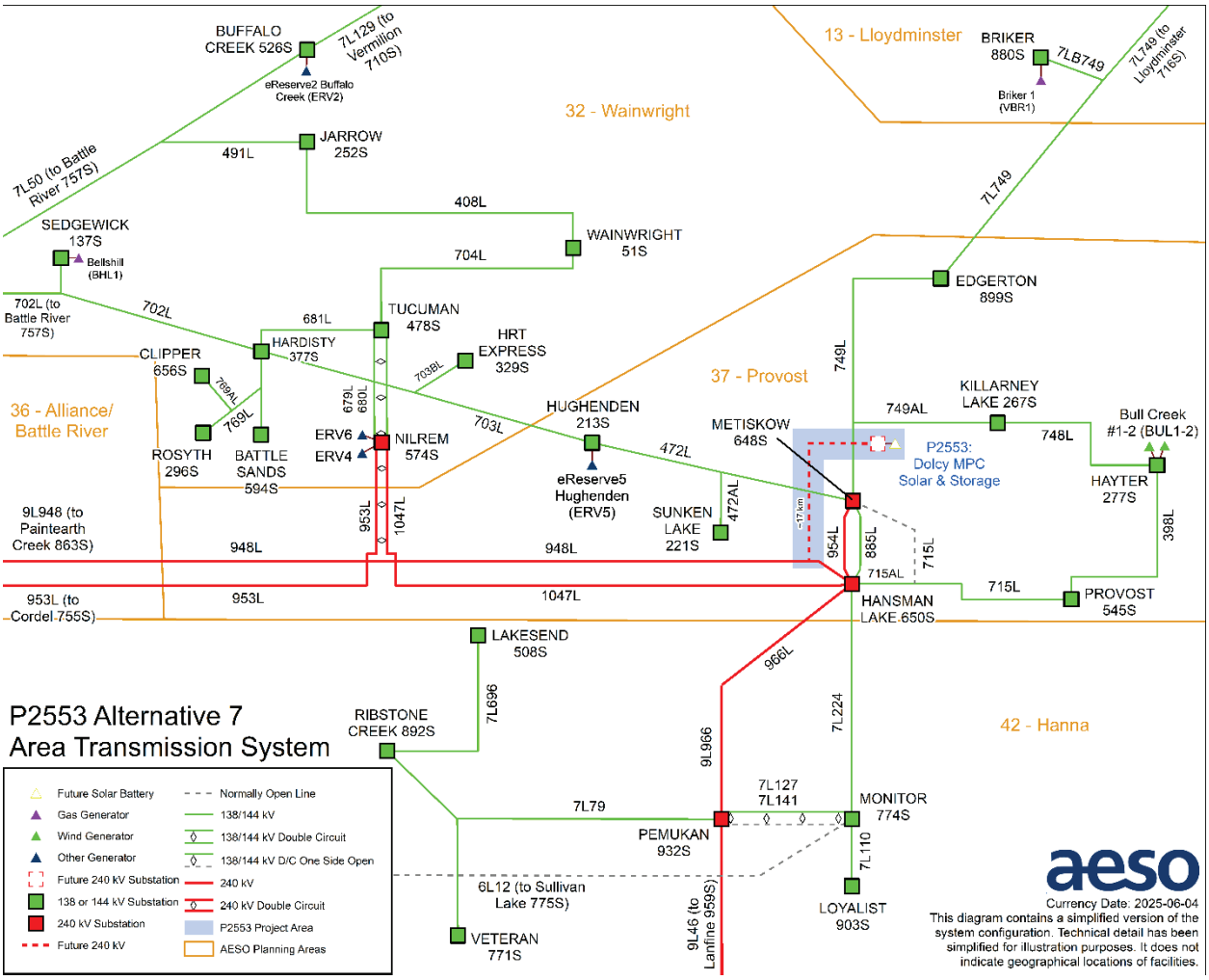
Alternative 7 – T-tap connection to the 240 kV transmission line 948L

This alternative includes the following developments:

- Add one 240 kV circuit, approximately 17 kilometers[8] in length, to connect the Facility to the existing transmission line 948L (between Hansman Lake 650S - Paintearth 863S) using a T-tap configuration; and
- Add or modify associated equipment as required for the above transmission developments.

The proposed connection configuration is shown in Figure 3-7.

Figure 3-7: Connection Alternative 7



[8] Exact line length to be determined by the TFO

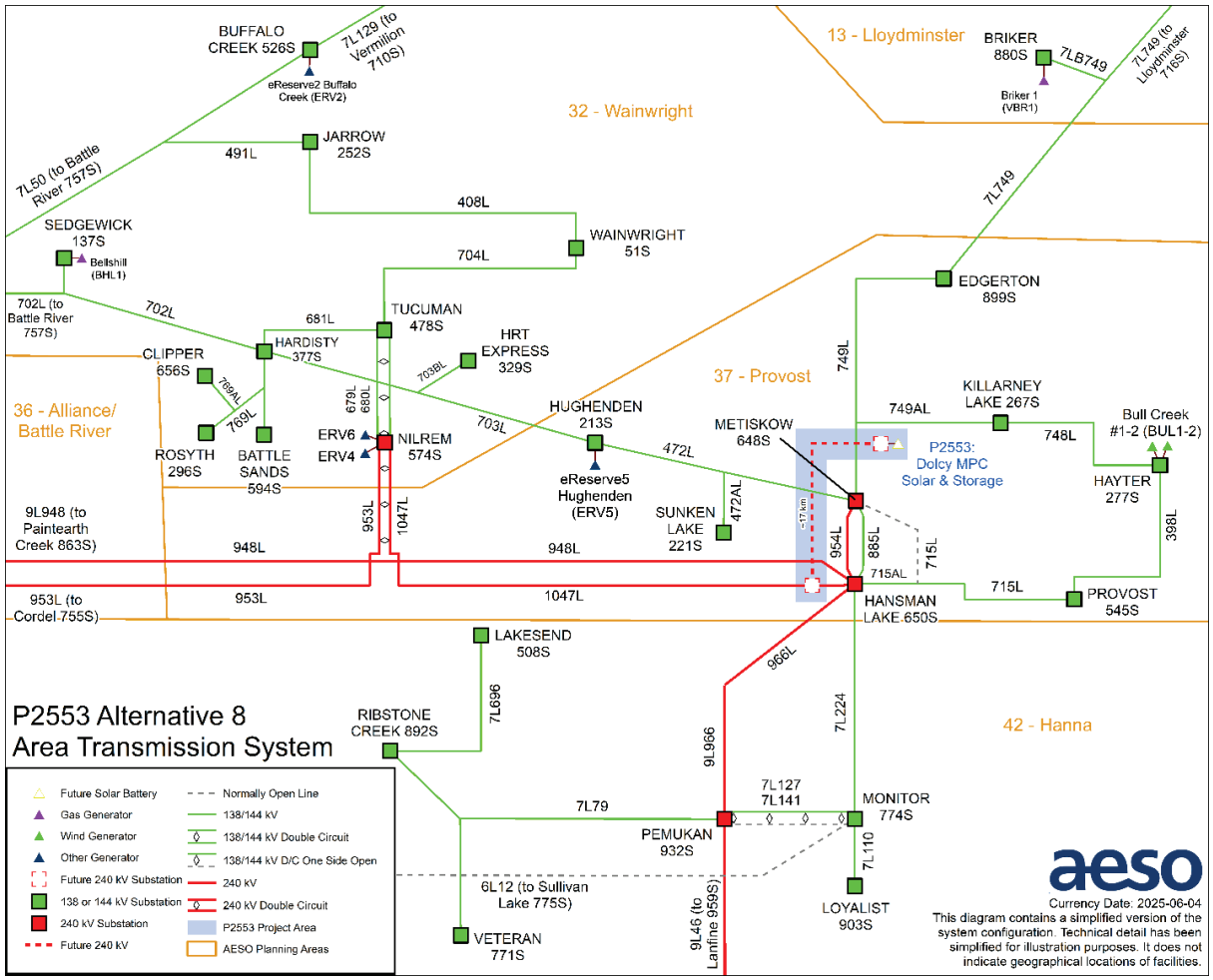
Alternative 8 – In-and-out connection to the 240 kV transmission line 1047L

This alternative includes the following developments:

- Add a 240 kV switching substation, including three 240 kV circuit breakers, connected to the existing 240 kV transmission line 1047L (between Nilrem 574S - Hansman Lake 650S) using an in-and-out configuration;
- Add one 240 kV circuit, approximately 17 kilometers[9] in length, to connect the Facility to the proposed 240 kV substation which requires crossing the 240 kV transmission line 948L; and
- Add or modify associated equipment as required for the above transmission developments.

The proposed connection configuration is shown in Figure 3-8.

Figure 3-8: Connection Alternative 8



[9] Exact line length to be determined by the TFO

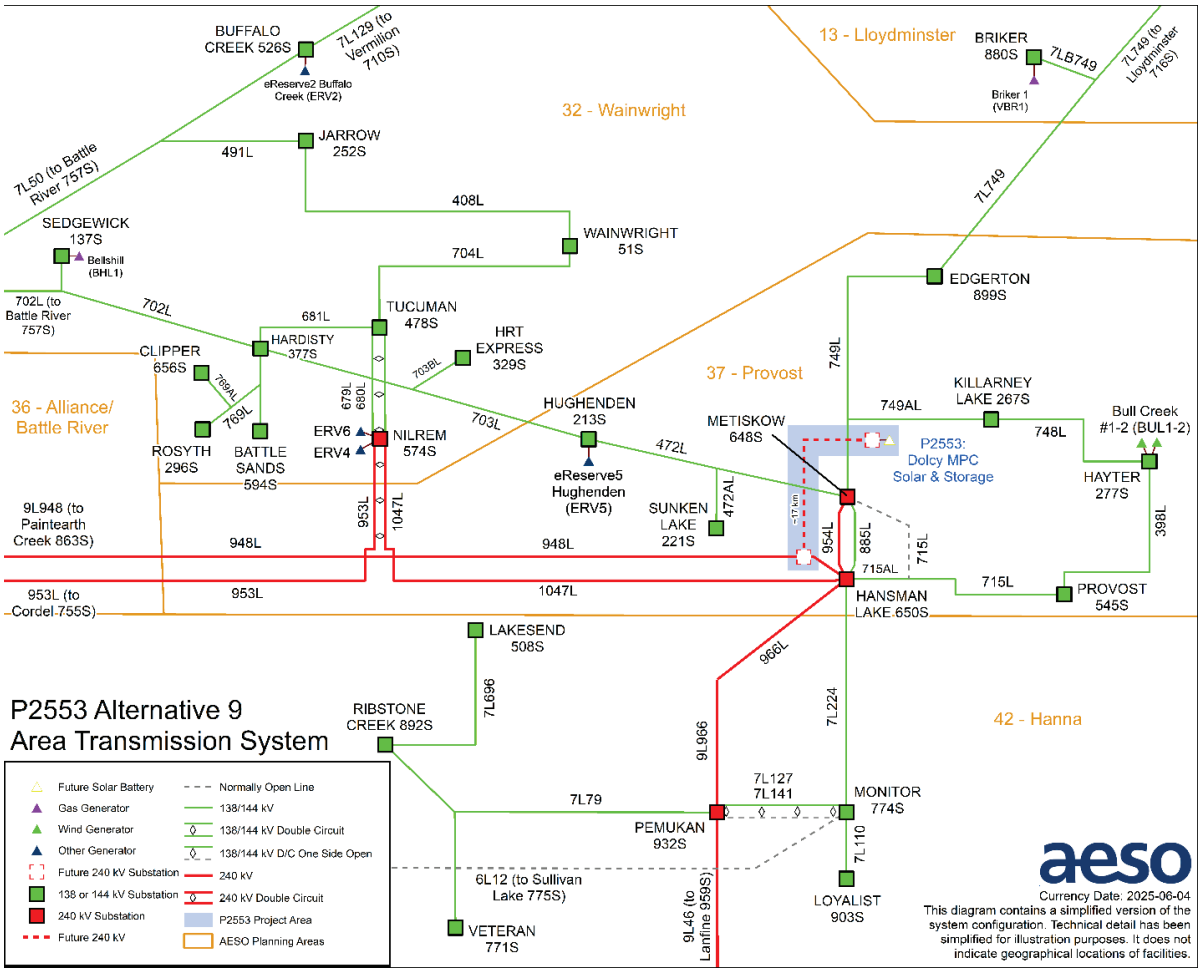
Alternative 9 – In-and-out connection to the 240 kV transmission line 948L

This alternative includes the following developments:

- Add a 240 kV switching substation, including three 240 kV circuit breakers, connected to the existing 240 kV transmission line 948L (between Hansman Lake 650S - Paintearth 863S) using an in-and-out configuration;
- Add one 240 kV circuit, approximately 17 kilometers[10] in length, to connect the Facility to the proposed 240 kV substation; and
- Add or modify associated equipment as required for the above transmission developments.

The proposed connection configuration is shown in Figure 3-9.

Figure 3-9: Connection Alternative 9



[10] Exact line length to be determined by the TFO

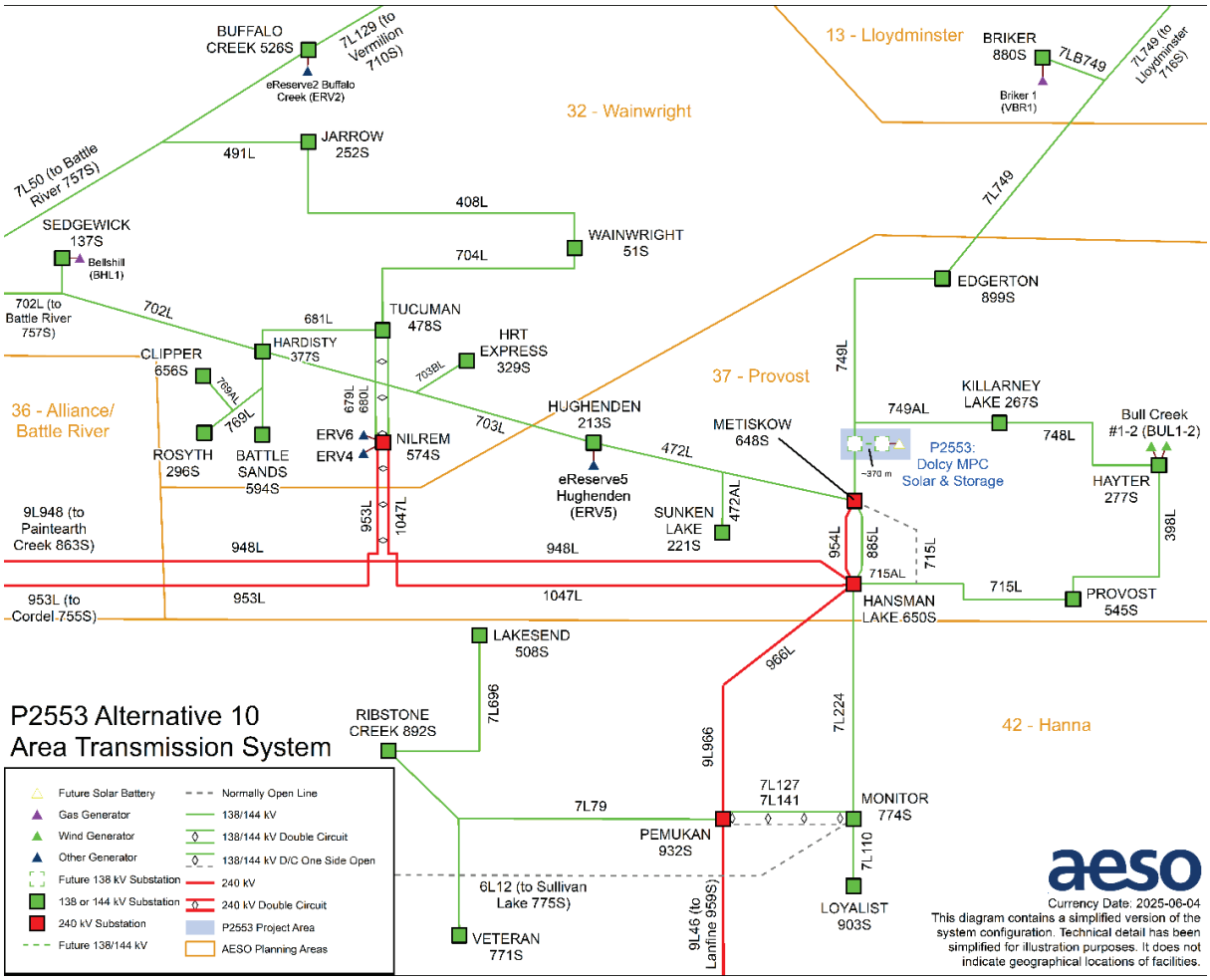
Alternative 10 – In-and-out connection to the 138 kV transmission line 749L

This alternative includes the following developments:

- Add a 138 kV switching substation, including three 138 kV circuit breakers, connected to the existing transmission line 749L (between Edgerton 899S - Metiskow 648S) using an in-and-out configuration;
- Add one 138 kV circuit, approximately 0.4 kilometers[11] in length, to connect the Facility to the proposed 138 kV substation; and
- Add or modify associated equipment as required for the above transmission developments.

The proposed connection configuration is shown in Figure 3-10.

Figure 3-10: Connection Alternative 10



[11] Exact line length to be determined by the TFO

3.3 Connection Alternatives Selected for Further Study

Alternative 7 is considered technically feasible and was selected for further study.

3.4 Connection Alternatives Not Selected for Further Study

Alternatives 1, 5, 6, 8, and 9 involve increased transmission development and hence, increased cost compared to Alternative 7, the preferred alternative. Alternative 4 involves significant substation modifications, including the addition of a new bay at the Hansman Lake 650S substation, which results in higher costs compared to Alternative 7. Therefore, Alternatives 1, 4, 5, 6, 8 and 9 were not selected for further study.

Alternatives 2, 3 and 10 were ruled out due to the limited capacity of the 138 kV system, which is insufficient to accommodate the Project connection.

4 Assessment Approach

4.1 Standards, Criteria and Assumptions

A detailed description of the standards, criteria, and assumptions that were used for the connection assessment is provided in Appendix A.

4.2 Studies Performed

The scheduled ISD for the Project is September 1, 2028. Studies were performed using scenarios for 2028 Summer Light (SL), 2028 Summer Peak (SP), and 2028 Winter Peak (WP).

Phase 1 of the approved Central East Transfer-out Transmission (CETO) project was included in all studied scenarios reported.

Short-circuit studies were performed using the 2028 WP High Generation (HG) and 2033 WP scenario.

Table 4-1 lists the study scenarios. Post-Project scenarios reflect the requested Rate STS contract capacity of 300 MW and Rate DTS contract capacity of 1 MW at the Dolcy 1148S substation.

Table 4-1: Connection Study Scenarios

Scenario No.	Year/Season	System Generation Dispatch Conditions	Scenario Name	Project Load (MW)	Project Generation (MW)
Pre-Project					
1	2028 Summer Light (SL)	High Generation (HG)	2028 SL HG Pre-Project	0	0
2	2028 Summer Peak (SP)		2028 SP HG Pre-Project	0	0
3	2028 Winter Peak (WP)		2028 WP HG Pre-Project	0	0
Post-Project					
6	2028 SL	HG	2028 SL Post -Project	0	300
7	2028 SP		2028 SP Post -Project	0	300
8	2028 WP		2028 WP Post -Project	0	300
11	2033 WP	All study area generation in-service	2033 WP Post-Project	0	300

Note: The Market Participant initially had submitted a request for a DTS of 102 MW, which was studied as part of the engineering assessment as a load study, and the results are included in Appendix A. As the Market Participant has since changed the DTS to 1 MW, the load study results are not included in this document.

The AESO Planning Region load forecasts used for the connection studies were based on the AESO's *2023 Long-term Outlook* (2023 LTO). While the AESO has updated its regional forecasts since the connection studies were performed, the use of the current AESO forecast, the 2024 Long-term Outlook (2024 LTO) would not materially alter the connection study results or affect the conclusions and recommendations in this report.

4.2.1 Power Flow Studies

The purpose of the power flow studies is to identify and quantify any thermal and voltage criteria violations in the Study Area.

In addition, power flow studies are also used to identify point of delivery (POD) low voltage bus voltage deviations beyond the limits listed in Table 3-1 of Appendix A – A1: Engineering Connection Assessment Scope.[12]

Power flow studies were performed for the 2028 Summer Light, 2028 Summer Peak, and 2028 Winter Peak pre-Project scenarios, and for 2028 Summer Light, 2028 Summer Peak, and 2028 Winter Peak post-Project scenarios.

4.2.2 Transient Stability Studies

The purpose of the transient stability studies is to assess the post-Project stability of the transmission system after three-phase to ground faults are applied on select transmission lines in the Study Area.

Transient stability studies were performed for the 2028 Summer Light, 2028 Summer Peak, and 2028 Winter Peak post-Project scenarios.

4.2.3 Short-Circuit Current Level Studies

The purpose of short-circuit current level studies is to determine the expected system short-circuit current levels in the vicinity of the Project.

Short circuit studies were performed for the 2028 Winter Peak pre-Project scenario and for the 2028 Winter Peak and 2033 Winter Peak post-Project scenarios.

4.3 Mitigation Measure Development and Evaluation

As explained in Appendix A, mitigation measures were developed to address system performance issues that were identified in the post-Project scenarios. Studies performed to assess the effectiveness of mitigation measures are briefly outlined below.

4.3.1 Post-Mitigation Studies

Power flow studies were performed to assess the impact of the Project on the performance of the AIES following implementation of the AESO's proposed mitigation measures.

4.3.2 Constraint Effective Factor Studies

Constraint effective factor studies were used to determine the generator and load constraint effective factors and to identify the most effective generators or loads to manage thermal criteria violations that were observed under Category A and B conditions.

[12] The AESO's desired post-contingency voltage deviations for low voltage busses represent guidelines rather than criteria. A POD bus voltage deviation that exceeds the desired limits shown in Table 3-1 of Attachment A1 does not represent a Reliability Criteria violation. Mitigation measures would not be developed to specifically address POD bus voltage deviations that exceed the desired values in Table 3-1 of Appendix A.

5 Interpretation of Results

5.1 Results Overview

This section provides an assessment of the impact of the Project on the performance of the AIES. The Reliability Criteria violations observed during the connection assessment studies for Category A, and the proposed mitigation measures are summarized in Table 5-1. Reliability Criteria violations observed during the connection assessment studies for Category B and the proposed mitigation measures are summarized in Attachment A.

- Section 5.2 includes an overview of the pre-Project studies results.
- Section 5.3 includes an overview of the post-Project studies results.
- Section 5.4 includes a description of the proposed mitigation measures to address observed Reliability Criteria violations.

Detailed study results are provided in Appendix A.

Table 5-1: Summary of Category A Reliability Criteria Violations, Project Impact and Mitigation Measures- All Scenarios

Scenario	Type of Reliability Criteria Violation Pre-Project	Type of Reliability Criteria Violation Post-Project	Details of Violation	Project Impact	Pre-Project Mitigation Measures	Post-Project Mitigation Measures
2028 Summer Light - High Generation	Thermal - above normal rating	Thermal - above emergency rating	7L760 (Oyen 767S to Bindloss 914S Tap)	Materially increased violation	Real-time operational practices (RTOP)	RTOP
	Thermal - above normal rating	Thermal - above normal rating	7L132 (Oyen 767S to Lanfine 959S)	Materially increased violation	RTOP	RTOP
2028 Summer Peak - High Generation	None	Thermal - above normal rating	472L (Metiskow 648S to 472AL)	New Violation	None	RTOP
	Thermal - above normal rating	Thermal - above normal rating	715L (Hansman Lake 650S to 715AL Tap)	Marginally decreased violation	RTOP	RTOP
	Thermal - above normal rating	Thermal - above normal rating	749AL (749AL Tap to ABO Fox Meadows Wind)	Marginally increased violation	RTOP	RTOP
	Thermal - above emergency rating	Thermal - above emergency rating	715AL (715AL Tap to Cache Rising Sun MPC Solar)	Marginally decreased violation	RTOP	RTOP
	Thermal - above emergency rating	Thermal - above emergency rating	7L760 (Oyen 767S to Bindloss 914S Tap)	Materially increased violation	RTOP	RTOP
	Thermal - above emergency rating	Thermal - above emergency rating	7L132 (Oyen 767S to Lanfine 959S)	Materially increased violation	RTOP	RTOP
2028 Winter Peak - High Generation	None	Thermal - above normal rating	703L (Hardisty 377S to HRT Express Tap)	New Violation	None	RTOP
	Thermal - above normal rating	Thermal - above normal rating	749AL (749AL Tap to ABO Fox Meadows Wind)	Marginally increased violation	RTOP	RTOP
	None	Thermal - above normal rating	962L (Tinchebray 972S to Gaetz 87S)	New Violation	None	RTOP

Notes:

- Marginally increased (or marginally decreased) refers to a percent loading difference (post-Project percent loading minus pre-Project percent loading) between 0% and 3% (or -3%).
- Materially increased (or materially decreased) refers to a percent loading difference (post-Project percent loading minus pre-Project percent loading) above or equal to 3% (or below or equal to -3%)

5.2 Pre-Project Study Results

5.2.1 Category A Conditions

As shown in Table 5-1, with the inclusion of additional projects planning to connect in the Central Planning Region, the pre-Project power flow studies identified several thermal criteria violations under the Category A condition (i.e. all elements in service) in Summer Light, Summer Peak and Winter Peak scenarios.

Category A thermal criteria violations were observed on the 138/144 kV transmission lines 715L, 715AL, 749AL, 7L132 and 7L760.

The short-circuit fault levels were found to be within the typical capabilities of the nearby facilities.

5.2.2 Category B Conditions

The pre-Project power flow studies identified several thermal violations under Category B conditions (i.e., loss of a single system element); see Attachment A for details.

5.3 Post-Project Study Results

5.3.1 Category A Conditions

Following the connection of the Project, power flow studies identified a number of thermal criteria violations under the Category A condition. Category A thermal criteria violations observed in the pre-Project scenarios were also observed after the connection of the Project, including violations on the 138/144 kV transmission lines 715L, 715AL, 749AL, 7L132, and 7L760. The violations on 715L, 715AL, and 749AL lines were not changed materially compared to pre-Project conditions, while the violations on 7L132 and 7L760 were materially exacerbated. New violations were observed on the 138 kV transmission lines 472L, 703L and on 240 kV transmission line 962L.

A summary of thermal criteria violations observed under N-0 system conditions are as follows: the Summer Light scenarios are shown in Table 5-2, the Summer Peak scenarios are shown in Table 5-3 and the Winter Peak scenarios are shown in Table 5-4.

Table 5-2: Thermal Criteria violations under N-0 Condition in the SL scenarios

Details of Violation (Violation Observed On)	Normal Rating (MVA)	Emergency Rating (MVA)	Pre-Project Results		Post-Project Results		% Loading Difference (Post-Pre)
			Observed Power Flow (MVA)	% Loading	Observed Power Flow (MVA)	% Loading	
7L760 (Oyen 767S to Bindloss 914S Tap)	110.2	122.7	113.4	102.9	130.15	118.1	15.2
7L132 (Oyen 767S to Lanfine 959S)	112.1	138	115.0	102.6	131.49	117.3	14.7

Table 5-3: Thermal Criteria violations under N-0 Condition in the SP scenarios

Details of Violation (Violation Observed On)	Normal Rating (MVA)	Emergency Rating (MVA)	Pre-Project Results		Post-Project Results		% Loading Difference (Post-Pre)
			Observed Power Flow (MVA)	% Loading	Observed Power Flow (MVA)	% Loading	
472L (Metiskow 648S to 472AL)	121	133	114	94.2	130.44	107.8	13.6
715L (Hansman Lake 650S to 715AL Tap)	98	132	117.4	119.8	115.54	117.9	-1.9
749AL (749AL Tap to ABO Fox Meadows Wind)	120.9	133	127.31	105.3	129.12	106.8	1.5
715AL (715AL Tap to Cache Rising Sun MPC Solar)	98	108	117.5	119.9	115.54	117.9	-2
7L760 (Oyen 767S to Bindloss 914S Tap)	110.2	122.7	157.92	143.3	173.56	157.5	14.2
7L132 (Oyen 767S to Lanfine 959S)	112.1	138	158.17	141.1	173.87	155.1	14

Table 5-4: Thermal Criteria violations under N-0 Condition in the WP scenarios

Details of Violation (Violation Observed On)	Normal Rating (MVA)	Emergency Rating (MVA)	Pre-Project Results		Post-Project Results		% Loading Difference (Post-Pre)
			Observed Power Flow (MVA)	% Loading	Observed Power Flow (MVA)	% Loading	
703L (Hardisty 377S to HRT Express Tap)	96	143	81.8	85.2	96.67	100.7	15.5
749AL (749AL Tap to ABO Fox Meadows Wind)	148	163	154.81	104.6	156.88	106	1.4
962L (Tinchebray 972S to Gaetz 87S)	831.4	831.4	791.5	95.2	874.63	105.2	10

Tables 5-2, 5-3 and 5-4 indicate that the project has material impacts on N-0 thermal criteria violations in the Study Area following the inclusion of the Project and additional projects planning to connect in the Central region.

Post-Project short-circuit fault levels were not significantly higher than pre-Project levels and were found to be within the typical capabilities of the nearby facilities.

5.3.2 Category B Conditions

Post-Project studies identified a number of thermal criteria violations under Category B conditions. Following the connection of the Project, some of the thermal criteria violations observed in the pre-Project scenarios were exacerbated, and new thermal criteria violations were observed.

The results did not indicate any transient stability concerns, and the system showed acceptable dynamic response to all Category B conditions studied.

5.4 Mitigation Measures

This section discusses the AESO's proposed mitigation measures to address the system performance issues that were identified in the pre-Project and post-Project scenarios.

5.4.1 Pre-Project

The Category A thermal reliability criteria violations observed on the 138/144 kV transmission lines 715L, 715AL, 749AL, 7L760, and 7L132 can be managed by applying Section 302.1 of the ISO rules, *Real-Time Transmission Constraint Management* (TCM Rule) to curtail generation.

Prior to connection of the Project, most of the observed Category B thermal criteria violations can be managed using real-time operational practices (RTOPs). The remaining thermal criteria violations can be mitigated by the existing RASs 134, 203, 211 and 215, planned RAS 213 and RAS 238.

The second stage of the approved CETO project,[13] which has a scheduled ISD of June 2026 and is prior to the Project's scheduled ISD, is expected to mitigate some of the thermal criteria violations involving 240 kV transmission line 9L62 observed under Category B conditions.

5.4.2 Post-Project

The Category A thermal reliability criteria violations observed on can the 138/144 kV transmission lines 472L, 715L, 715AL, 749AL, 7L760, 7L132, 472L, 703L and 240 kV transmission line 962L can be managed by applying Section 302.1 of the ISO rules, *Real-Time Transmission Constraint Management* (TCM Rule) to curtail generation.

After connection of the Project, most of the thermal criteria violations observed under Category B conditions can be mitigated by using RTOPs. The remaining thermal violations can be mitigated by existing RASs 134, 203, 211 and 215, planned RAS 213, and modification of planned RAS 238 by including the Project in the RAS logic.

The second stage of the approved CETO project,[14] which has a scheduled ISD of June 2026 and is prior to the Project's scheduled ISD, will help mitigate some of the thermal criteria violations involving 240 kV transmission line 9L62 observed under Category B conditions.

[13] Decision 25469-D01-2021, Alberta Electric System Operator, Needs Identification Document Application, Central East Transfer-out Transmission Development.

[14] Decision 25469-D01-2021, Alberta Electric System Operator, Needs Identification Document Application, Central East Transfer-out Transmission Development.

The total amount of generation tied to modified planned RAS 238 exceeds the MSSC limit of 466 MW. Pre-contingency generation curtailment under normal conditions may be required using real-time operational practices to prevent generation curtailment by RAS action above the MSSC limit. The probability of pre-curtailment being required would be dependent on generation profiles and operating conditions.

5.4.3 Post-Project Mitigation Study Results

Under Category B conditions, all of the observed Reliability Criteria violations requiring RAS were mitigated. The remaining violations are mitigated by RTOP.

6 Project Dependencies

The Project does not require the completion of any other AESO plans to expand or enhance the transmission system prior to connection.

7 Conclusions and Recommendations

Based on the study results, Alternative 7 is technically viable. The connection assessment identified pre-Project and post-Project system performance issues. The connection assessment uses credible worst-case conditions to assess the impact of the Facility connecting on the AIES. Category A thermal criteria violations were observed under these credible worst-case load and generation forecast conditions. The probability of Category A thermal criteria violations materializing is highly dependent upon the production profile of the Facility and other generation facilities in the area.

The Category A violations will be mitigated through the use of real-time operational practices, which include applying the TCM Rule to curtail generation as required.

The thermal criteria violations observed under Category B conditions can be mitigated through the use of existing RASs 134, 203, 211 and 215, modified planned RAS 238, planned RAS 213, and real-time operational practices, alone or in combination, as appropriate. With the implementation of these mitigation measures, connecting the project with the preferred alternative does not adversely affect the performance of the AIES.

The total amount of generation tied to modified planned RAS 238 exceeds the MSSC limit of 466 MW. Pre-contingency generation curtailment under the Category A condition may be required using real-time operational practices to prevent generation curtailment by RAS action above the MSSC level. The probability of pre-curtailment being required would be dependent on generation profiles and operating conditions.

The AESO recommends proceeding with the Project using Alternative 7 as the preferred alternative to respond to the Market Participant's request for system access service. Alternative 7 involves adding one 240 kV circuit to connect the Facility to the existing transmission line 948L (between Hansman Lake 650S - Paintearth 863S) using a T-tap configuration.

The new 240 kV circuit connecting the Facility to transmission line 948L should have a minimum thermal capacity of 485 MVA to meet the Market Participant's requested STS contract capacity and AESO line capacity guidelines.

Attachment A:
Table A-1: Summary of Category B Reliability Criteria Violations, Project Impact and Mitigation Measures- All Scenarios

Table A-1 - Summary of Category B Reliability Criteria Violations, Project Impact and Mitigation Measures- All Scenarios

Scenario	Type of Reliability Criteria Violation		Contingency (System Element Lost)	Details of Violation	Project Impact	Pre-Project Mitigation Measures	Post-Project Mitigation Measures
	Pre-Project	Post-Project					
2028 Summer Light	None	Thermal - above normal rating	9L27 (Paintearth Creek 863S to Cordel 755S)	948L (Hansman Lake 648S to 948AL Tap)	New violation	None	RTOP
	None	Thermal - above normal rating		7L760 (Oyen 767S to Bindloss 914S Tap)	New violation		
	None	Thermal - above normal rating		7L132 (Oyen 767S to Lanfine 959S)	New violation		
	None	Thermal - above normal rating	1060L (Paintearth 863S to P2555 Switching sub)	948L (Hansman Lake 648S to 948AL Tap)	New violation	None	RTOP
	None	Thermal - above normal rating		7L760 (Oyen 767S to Bindloss 914S Tap)	New violation		
	None	Thermal - above normal rating		7L132 (Oyen 767S to Lanfine 959S)	New violation		
	None	Thermal - above emergency rating	9L20 (Nevis 766S to Cordel 755S)	9L16 (Tincherbray 972S to Goldeye Tap)	New violation	None	RAS 215
	None	Thermal - above normal rating		7L760 (Oyen 767S to Bindloss 914S Tap)	New violation		
	None	Thermal - above normal rating	953L (Nilren 574S to Cordel 755S)	702L (Hardisty 377S to Sedgewick 137S)	New violation	None	RAS 211
	None	Thermal - above emergency rating		704L (Wainwright 51S to Tucuman 478S)	New violation		
	None	Thermal - above normal rating		7L760 (Oyen 767S to Bindloss 914S Tap)	New violation		
	None	Thermal - above normal rating		7L132 (Oyen 767S to Lanfine 959S)	New violation		
	None	Thermal - above emergency rating	912L (Nevis 766S to Red Deer 63S)	9L16 (Tincherbray 972S to Goldeye Tap)	New violation	None	RAS 215
	None	Thermal - above normal rating		7L760 (Oyen 767S to Bindloss 914S Tap)	New violation		
	None	Thermal - above normal rating	962L/9L62 (Tinchebray 972S to Gaetz 87S)	174L (Bardo 197S to North Holden 395S)	New violation	RTOP	RTOP
	Thermal - above normal rating	Thermal - above normal rating		912L (Nevis 766S to Red Deer 63S)	Materially increased violation		
	Thermal - above normal rating	Thermal - above emergency rating		9L20 (Nevis 766S to Cordel 755S)	Materially increased violation		
	None	Thermal - above normal rating		7L760 (Oyen 767S to Bindloss 914S Tap)	New violation		
	None	Thermal - above normal rating		7L132 (Oyen 767S to Lanfine 959S)	New violation		
	None	Thermal - above normal rating	EATL	704L (Wainwright 51S to Tucuman 478S)	New violation	None	RTOP
	None	Thermal - above normal rating	749L (Metiskow 648S to Edgerton 899S)	704L (Wainwright 51S to Tucuman 478S)	New violation	RTOP	RTOP
	Thermal - above normal rating	Thermal - above normal rating		715L (715AL Tap to 715BL Tap)	Marginally increased violation		
	None	Thermal - above normal rating	749L (Edgerton 899S to Lloydminster 716S)	704L (Wainwright 51S to Tucuman 478S)	New violation	None	RTOP
	None	Thermal - above normal rating	Edgerton 899S Transformer T1	704L (Wainwright 51S to Tucuman 478S)	New violation	RTOP	RTOP
	Thermal - above normal rating	Thermal - above normal rating		715L (715AL Tap to 715BL Tap)	No impact		
	None	Thermal - above normal rating	1047L (Hansman Lake 650S to Nilrem 574S)	703L (Hardisty 377S to HRT Express Tap)	New violation	None	Modified Planned RAS 238
	None	Thermal - above emergency rating		472L (Metiskow 648S to 472AL)	New violation		
	None	Thermal - above normal rating		703L (Hughenden 213S to HRT Express Tap)	New violation		
	None	Thermal - above emergency rating		472L (Hughenden 213S to Sunken Lake 221S Tap)	New violation		
	Thermal - above emergency rating	Thermal - above emergency rating	9L24 (Oakland 946s - Lanfine 959s)	7L760 (Oyen 767S to Bindloss 914S Tap)	Materially increased violation	RAS 238	Modified Planned RAS 238
	Thermal - above emergency rating	Thermal - above emergency rating		7L132 (Oyen 767S to Lanfine 959S)	Materially increased violation		
2028 Summer Peak	None	Thermal - above normal rating	701L (North Hoden 395S to Strome 223S)	7L65 (Vegreville 709S to 7LA65)	New violation	None	RTOP
	Thermal - above normal rating	Thermal - above normal rating	885L (Metiskow 648S to Hansman Lake 650S)	749AL (749AL Tap to 749BL Tap)	Marginally increased violation	RTOP	RTOP
	Thermal - above normal rating	Thermal - above normal rating	748L (Hayter 277S to Killarney Lake 267S)	715L (715AL Tap to 715BL Tap)	No impact	RTOP	RTOP
	None	Thermal - above normal rating	9L27 (Paintearth Creek 863S to Cordel 755S)	472L (Metiskow 648S to 472AL)	New violation	None	RTOP
	None	Thermal - above emergency rating		948L (Hansman Lake 648S to 948AL Tap)	New violation		
	None	Thermal - above normal rating		7L760 (Oyen 767S to Bindloss 914S Tap)	New violation		
	None	Thermal - above normal rating	1060L (Paintearth 863S to P2555 Switching sub)	472L (Metiskow 648S to 472AL)	New violation	None	RTOP
	None	Thermal - above emergency rating		948L (Hansman Lake 648S to 948AL Tap)	New violation		
	None	Thermal - above normal rating		7L760 (Oyen 767S to Bindloss 914S Tap)	New violation		
	Thermal - above normal rating	Thermal - above normal rating	766S T1 (Nevis 766S 240/138 kV Transformer)	7L128 (Coyote Lake 963S to 7LA128 Tap)	Marginally increased violation	RTOP	RTOP
	None	Thermal - above normal rating	9L20 (Nevis 766S to Cordel 755S)	7L760 (Oyen 767S to Bindloss 914S Tap)	New violation	None	RTOP
	Thermal - above emergency rating	Thermal - above emergency rating	7L16 (Nevis 766S to Heatburg 948S)	7L128 (Coyote Lake 963S to 7LA128 Tap)	Marginally increased violation	RAS 203	RAS 203
	None	Thermal - above normal rating	953L (Nilren 574S to Cordel 755S)	7L760 (Oyen 767S to Bindloss 914S Tap)	New violation	None	RTOP
	Thermal - above normal rating	Thermal - above normal rating	7L137 (Three Hills 770S to Rowley 768S)	7L128 (Coyote Lake 963S to 7LA128 Tap)	Marginally increased violation	RTOP	RTOP
	Thermal - above normal rating	Thermal - above normal rating	7L25 (Rowley 768S to Michichi Creek 802S)	7L128 (Coyote Lake 963S to 7LA128 Tap)	Marginally increased violation	RTOP	RTOP
	Thermal - above normal rating	Thermal - above normal rating	9L29 (Oakland 946S to Coyote Lake 963S)	7L159 (Heatburg 948S to 7LA159 Tap)	Marginally reduced violation	RTOP	RTOP
	Thermal - above normal rating	Thermal - above normal rating		7L16 (Nevis 766S to Heatburg 948S)	Marginally reduced violation		
	Thermal - above normal rating	Thermal - above normal rating	963S T1 (Coyote Lake 963S Transformer T1)	7L159 (Heatburg 948S to 7LA159 Tap)	Marginally reduced violation	RTOP	RTOP
	Thermal - above normal rating	Thermal - above normal rating		7L16 (Nevis 766S to Heatburg 948S)	Marginally reduced violation		
	None	Thermal - above normal rating	912L (Nevis 766S to Red Deer 63S)	174L (Bardo 197S to North Holden 395S)	New violation	RTOP	RAS 215
	Thermal - above normal rating	Thermal - above normal rating		7L128 (Coyote Lake 963S to 7LA128 Tap)	Marginally increased violation		
	None	Thermal - above emergency rating		9L16 (Tincherbray 972S to Goldeye Tap)	New violation		
	None	Thermal - above normal rating		7L760 (Oyen 767S to Bindloss 914S Tap)	New violation		

Scenario	Type of Reliability Criteria Violation		Contingency (System Element Lost)	Details of Violation	Project Impact	Pre-Project Mitigation Measures	Post-Project Mitigation Measures
	Pre-Project	Post-Project					
	Thermal - above normal rating	Thermal - above emergency rating	962L/9L62 (Tinchebray 972S to Gaetz 87S)	174L (Bardo 197S to North Holden 395S)	Materially increased violation	RTOP	RTOP
	Thermal - above normal rating	Thermal - above emergency rating		912L (Nevis 766S to Red Deer 63S)	Materially increased violation		
	Thermal - above normal rating	Thermal - above emergency rating		9L20 (Nevis 766S to Cordel 755S)	Materially increased violation		
	None	Thermal - above normal rating		7L760 (Oyen 767S to Bindloss 914S Tap)	New violation		
	None	Thermal - above normal rating		7L132 (Oyen 767S to Lanfine 959S)	New violation		
	Thermal - above normal rating	Thermal - above emergency rating	EATL	174L (Bardo 197S to North Holden 395S)	Materially increased violation	RTOP	RTOP
	None	Thermal - above normal rating		7L65 (Vegreville 709S to 7LA65)	New violation		
	None	Thermal - above normal rating	701L (Strome 223S to Battle River 757S)	7L65 (Vegreville 709S to 7LA65)	New violation	None	RTOP
	None	Thermal - above normal rating	9L16 (Tincherbray 972S to Cordel 755S)	7L760 (Oyen 767S to Bindloss 914S Tap)	New violation	None	RTOP
	Thermal - above normal rating	Thermal - above normal rating	749L (Metiskow 648S to Edgerton 899S)	715L (715AL Tap to 715BL Tap)	Marginally increased violation	RTOP	RTOP
	Thermal - above normal rating	Thermal - above normal rating	749L (Edgerton 899S to Lloydminster 716S)	715L (715AL Tap to 715BL Tap)	No impact	RTOP	RTOP
	Thermal - above normal rating	Thermal - above normal rating	Edgerton 899S Transformer T1	715L (715AL Tap to 715BL Tap)	No impact	RTOP	RTOP
	Thermal - above normal rating	Thermal - above normal rating	Killarney Lake 267S Transformer T1	715L (715AL Tap to 715BL Tap)	No impact	RTOP	RTOP
	Thermal - above emergency rating	Thermal - above emergency rating	715L (Hansman Lake 650S to Provost 545S)	749AL (749AL Tap to 749BL Tap)	No impact	Planned RAS 213	Planned RAS 213
	None	Thermal - above normal rating	1047L (Hansman Lake 650S to Nilrem 574S)	703L (Hardisty 377S to HRT Express Tap)	New violation	RTOP	Modified Planned RAS 238
	Thermal - above normal rating	Thermal - above emergency rating		472L (Metiskow 648S to 472AL)	Materially increased violation		
	None	Thermal - above normal rating		703L (Hughenden 213S to HRT Express Tap)	New violation		
	None	Thermal - above emergency rating		472L (Hughenden 213S to Sunken Lake 221S Tap)	New violation		
	None	Thermal - above normal rating	9L24 (Oakland 946s - Lanfine 959s)	472L (Metiskow 648S to 472AL)	New violation	RAS 238	Modified Planned RAS 238, RTOP
	Thermal - above normal rating	Thermal - above normal rating		7L128 (Coyote Lake 963S to 7LA128 Tap)	Materially increased violation		
	Thermal - above emergency rating	Thermal - above emergency rating		7L760 (Oyen 767S to Bindloss 914S Tap)	Materially increased violation		
	Thermal - above emergency rating	Thermal - above emergency rating		7L132 (Oyen 767S to Lanfine 959S)	Materially increased violation		
2028 Winter Peak	None	Thermal - above emergency rating	701L (North Hoden 395S to Strome 223S)	962L (Tinchebray 972S to Gaetz 87S)	New violation	None	RTOP
	Thermal - above normal rating	Thermal - above normal rating	681L (Hardisty 377S to Tucuman 478S)	703L (Hardisty 377S to HRT Express Tap)	Materially increased violation	RTOP	RTOP
	None	Thermal - above normal rating		472L (Metiskow 648S to 472AL)	New violation		
	Thermal - above emergency rating	Thermal - above normal rating	885L (Metiskow 648S to Hansman Lake 650S)	749AL (749AL Tap to 749BL Tap)	Materially reduced violation	RTOP	RTOP
	None	Thermal - above normal rating	679L (Nilrem 574S to Tucuman 478S)	703L (Hardisty 377S to HRT Express Tap)	New violation	None	RTOP
	None	Thermal - above normal rating	680L (Nilrem 574S to Tucuman 478S)	703L (Hardisty 377S to HRT Express Tap)	New violation	None	RTOP
	None	Thermal - above normal rating	7L130 (Vermilion 710S to Kitscoty 705S)	703L (Hardisty 377S to HRT Express Tap)	New violation	None	RTOP
	None	Thermal - above normal rating	7L14 (Kitscoty 705S to Hill 751S)	703L (Hardisty 377S to HRT Express Tap)	New violation	None	RTOP
	None	Thermal - above normal rating	7L42 (Hill 751S to Lloydminster 716S)	703L (Hardisty 377S to HRT Express Tap)	New violation	None	RTOP
	None	Thermal - above normal rating		472L (Metiskow 648S to 472AL)	New violation		
	None	Thermal - above normal rating		704L (Wainwright 51S to Tucuman 478S)	New violation		
	Thermal - above normal rating	Thermal - above normal rating	9L27 (Paintearth Creek 863S to Cordel 755S)	703L (Hardisty 377S to HRT Express Tap)	Materially increased violation	RTOP	Modified Planned RAS 238
	None	Thermal - above emergency rating		472L (Metiskow 648S to 472AL)	New violation		
	None	Thermal - above normal rating		704L (Wainwright 51S to Tucuman 478S)	New violation		
	None	Thermal - above normal rating		1047L (Nilrem 574S to 1047AL Tap)	New violation		
	Thermal - above normal rating	Thermal - above normal rating	1060L (Paintearth 863S to P2555 Switching sub)	703L (Hardisty 377S to HRT Express Tap)	Materially increased violation	RTOP	Modified Planned RAS 238
	None	Thermal - above emergency rating		472L (Metiskow 648S to 472AL)	New violation		
	None	Thermal - above normal rating		704L (Wainwright 51S to Tucuman 478S)	New violation		
	None	Thermal - above normal rating		1047L (Nilrem 574S to 1047AL Tap)	New violation		
	Thermal - above normal rating	Thermal - above normal rating	9L20 (Nevis 766S to Cordel 755S)	7L16 (Nevis 766S to Heatburg 948S)	Materially increased violation	RTOP	RAS 215, RTOP
	Thermal - above emergency rating	Thermal - above emergency rating		962L (Tinchebray 972S to Gaetz 87S)	Materially increased violation		
	None	Thermal - above emergency rating		9L16 (Tincherbray 972S to Goldeye Tap)	New violation		
	None	Thermal - above normal rating	7L16 (Nevis 766S to Heatburg 948S)	703L (Hardisty 377S to HRT Express Tap)	New violation	None	RTOP
	None	Thermal - above emergency rating	953L (Nilren 574S to Cordel 755S)	702L (Hardisty 377S to Sedgewick 137S)	New violation	RTOP	RAS 211
	Thermal - above normal rating	Thermal - above emergency rating		704L (Wainwright 51S to Tucuman 478S)	Materially increased violation		
	None	Thermal - above normal rating		9LX60 (Paintearth A863s to P2555)	New violation		
	None	Thermal - above normal rating	Nilrem 574S Transformer T1	703L (Hardisty 377S to HRT Express Tap)	New violation	None	RTOP
	None	Thermal - above normal rating		703L (Hardisty 377S to HRT Express Tap)	New violation		
	None	Thermal - above normal rating	7L25 (Rowley 768S to Michichi Creek 802S)	703L (Hardisty 377S to HRT Express Tap)	New violation	None	RTOP
	Thermal - above normal rating	Thermal - above normal rating	9L29 (Oakland 946S to Coyote Lake 963S)	7L16 (Nevis 766S to Heatburg 948S)	No impact	RTOP	RTOP
	None	Thermal - above normal rating	7L132 (Lanfine 959S to Oyen 767S)	703L (Hardisty 377S to HRT Express Tap)	New violation	None	RTOP
	None	Thermal - above normal rating	9L80 (Battle River 757S to Cordel 755S)	703L (Hardisty 377S to HRT Express Tap)	New violation	None	RTOP
	None	Thermal - above normal rating		704L (Wainwright 51S to Tucuman 478S)	New violation		
	None	Thermal - above emergency rating	174L (North Holden 395S to Bardo 197S)	962L (Tinchebray 972S to Gaetz 87S)	New violation	None	RTOP
	Thermal - above normal rating	Thermal - above normal rating	963S T1 (Coyote Lake 963S Transformer T1)	7L16 (Nevis 766S to Heatburg 948S)	Marginally reduced violation	RTOP	RTOP

Scenario	Type of Reliability Criteria Violation		Contingency (System Element Lost)	Details of Violation	Project Impact	Pre-Project Mitigation Measures	Post-Project Mitigation Measures
	Pre-Project	Post-Project					
	None	Thermal - above normal rating	912L (Nevis 766S to Red Deer 63S)	174L (Bardo 197S to North Holden 395S)	New violation	RAS 215, RTOP	RAS 215, RTOP
	None	Thermal - above normal rating		704L (Wainwright 51S to Tucuman 478S)	New violation		
	Thermal - above emergency rating	Thermal - above emergency rating		962L (Tinchebray 972S to Gaetz 87S)	Materially increased violation		
	Thermal - above emergency rating	Thermal - above emergency rating		9L16 (Tincherbray 972S to Goldeye Tap)	Materially increased violation		
	None	Thermal - above emergency rating		9L16 (Cordel 755S to Goldeye Tap)	New violation		
	Thermal - above normal rating	Thermal - above emergency rating	962L/9L62 (Tinchebray 972S to Gaetz 87S)	174L (Bardo 197S to North Holden 395S)	Materially increased violation	RTOP	RTOP
	Thermal - above normal rating	Thermal - above emergency rating		701L (North Hoden 395S to Strome 223S)	Materially increased violation		
	None	Thermal - above emergency rating		704L (Wainwright 51S to Tucuman 478S)	New violation		
	Thermal - above emergency rating	Thermal - above emergency rating		912L (Nevis 766S to Red Deer 63S)	Materially increased violation		
	Thermal - above emergency rating	Thermal - above emergency rating		9L20 (Nevis 766S to Cordel 755S)	Materially increased violation		
	None	Thermal - above normal rating	Battle River Transformer T2	703L (Hardisty 377S to HRT Express Tap)	New violation	None	RTOP
	None	Thermal - above normal rating	EATL	174L (Bardo 197S to North Holden 395S)	New violation	RTOP	RTOP
	None	Thermal - above normal rating		703L (Hardisty 377S to HRT Express Tap)	New violation		
	None	Thermal - above normal rating		472L (Metiskow 648S to 472AL)	New violation		
	Thermal - above normal rating	Thermal - above emergency rating		704L (Wainwright 51S to Tucuman 478S)	Materially increased violation		
	None	Thermal - above emergency rating		912L (Nevis 766S to Red Deer 63S)	New violation		
	Thermal - above normal rating	Thermal - above normal rating		7L16 (Nevis 766S to Heatburg 948S)	Marginally increased violation		
	Thermal - above emergency rating	Thermal - above emergency rating		962L (Tinchebray 972S to Gaetz 87S)	Materially increased violation		
	Thermal - above emergency rating	Thermal - above emergency rating		9L59 (Tinchebray 972S to 9LA59)	Materially reduced violation		
	None	Thermal - above emergency rating	701L (Strome 223S to Battle River 757S)	962L (Tinchebray 972S to Gaetz 87S)	New violation	None	RTOP
	None	Thermal - above normal rating	749L (Metiskow 648S to Edgerton 899S)	703L (Hardisty 377S to HRT Express Tap)	New violation	None	RAS 211
	None	Thermal - above emergency rating		704L (Wainwright 51S to Tucuman 478S)	New violation		
	Thermal - above normal rating	Thermal - above normal rating	749L (Edgerton 899S to Lloydminster 716S)	703L (Hardisty 377S to HRT Express Tap)	Materially increased violation	RTOP	RAS 211
	None	Thermal - above normal rating		472L (Metiskow 648S to 472AL)	New violation		
	None	Thermal - above emergency rating		704L (Wainwright 51S to Tucuman 478S)	New violation		
	Thermal - above normal rating	Thermal - above normal rating	Edgerton 899S Transformer T1	703L (Hardisty 377S to HRT Express Tap)	Materially increased violation	RTOP	RAS 211
	None	Thermal - above normal rating		472L (Metiskow 648S to 472AL)	New violation		
	Thermal - above normal rating	Thermal - above emergency rating		704L (Wainwright 51S to Tucuman 478S)	Materially increased violation		
	Thermal - above emergency rating	Thermal - above normal rating	715L (Hansman Lake 650S to Provost 545S)	749AL (749AL Tap to 749BL Tap)	Materially reduced violation	RTOP	RTOP
	Thermal - above emergency rating	Thermal - above emergency rating	1047L (Hansman Lake 650S to Nilrem 574S)	703L (Hardisty 377S to HRT Express Tap)	Materially increased violation	Planned RAS 238	Modified Planned RAS 238
	Thermal - above emergency rating	Thermal - above emergency rating		472L (Metiskow 648S to 472AL)	Materially increased violation		
	Thermal - above normal rating	Thermal - above emergency rating		703L (Hughenden 213S to HRT Express Tap)	Materially increased violation		
	Thermal - above emergency rating	Thermal - above emergency rating		472L (Hughenden 213S to Sunken Lake 221S Tap)	Materially increased violation		
	None	Thermal - above normal rating	9L59 (Anderson 801S to Tinchebray 972S)	703L (Hardisty 377S to HRT Express Tap)	New violation	None	RTOP
	None	Thermal - above normal rating	7L79 (Pemukan 932S to Ribstone Creek 892S)	703L (Hardisty 377S to HRT Express Tap)	New violation	None	RTOP
	Thermal - above normal rating	Thermal - above normal rating	9L24 (Oakland 946s - Lanfine 959s)	703L (Hardisty 377S to HRT Express Tap)	Materially increased violation	RAS 238	Modified Planned RAS 238, RTOP
	None	Thermal - above emergency rating		472L (Metiskow 648S to 472AL)	New violation		
	None	Thermal - above normal rating		704L (Wainwright 51S to Tucuman 478S)	New violation		
	Thermal - above emergency rating	Thermal - above emergency rating		Hansman Lake 650S SVC Transformer	Materially reduced violation		
	Thermal - above emergency rating	Thermal - above emergency rating		7L760 (Oyen 767S to Bindloss 914S Tap)	Materially increased violation		
	Thermal - above emergency rating	Thermal - above emergency rating		7L132 (Oyen 767S to Lanfine 959S)	Materially increased violation		
	None	Thermal - above emergency rating		6L09 (Oyen 767S to Hanna 763S)	New violation		
	None	Thermal - above normal rating	7L760 (Oyen 767S to Amoco Empress 163S)	703L (Hardisty 377S to HRT Express Tap)	New violation	None	RTOP
	None	Thermal - above normal rating	9L93 (Tinchebray A972S to Halkirk 615S)	703L (Hardisty 377S to HRT Express Tap)	New violation	None	RTOP

Notes:

- Marginally increased (or marginally decreased) refers to a percent loading difference (post-Project percent loading minus pre-Project percent loading) between 0% and 3% (or -3%).
- Materially increased (or materially decreased) refers to a percent loading difference (post-Project percent loading minus pre-Project percent loading) above or equal to 3% (or below or equal to -3%).
- RAS 134, 203, 211, and 215 are existing RASs.
- RAS 213 is a proposed RAS for the planned project P2460.
- RAS 238 is a proposed RAS for the planned projects P2540 and P2460. Modification to the planned RAS 238 is proposed for P2553 (the project). The modified version of planned RAS 238 is referred to herein as “Modified planned RAS 238.”
- In this table, “Modify” refers to adding the Project to the logic of the respective RAS.

Appendix A
Engineering Connection Assessment Results

Engineering Connection Assessment: Study Results

P2533 Dolcy Solar Battery

Dolcy Solar Inc.

Date: August 01, 2025

Version: Rev. 0

Role	Name	Signature	Date
Author/Designer	Carl Wang, P. Eng.	2025-08-01	August 01, 2025
Engineering Reviewer	Joby Varghese, P. Eng.		August 01, 2025
Approver	Joby Varghese, P. Eng.		August 01, 2025

ENGINEERING STAMP	PERMIT TO PRACTICE STAMP
PROFESSIONAL ENGINEER ALBERTA YUNFEI WANG ID: 161807 August 1 2025	PERMIT TO PRACTICE ALTALINK MANAGEMENT LTD RM SIGNATURE: RM APEGA ID #: 87358 DATE: 2025-Aug-01 PERMIT NUMBER: P007862 The Association of Professional Engineers and Geoscientists of Alberta (APEGA)

Revision	Date	Description
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1 Introduction

This report presents the results of the engineering studies that were completed by AltaLink LP (the Studies Consultant) to assess the impact of the Project (as defined in Attachment A1: AESO Engineering Connection Assessment Scope) on the performance of the Alberta interconnected electric system (AIES). The studies were performed in accordance with Attachment A1: AESO Engineering Connection Assessment: Study Scope, which was prepared by the AESO.

The power system network analysis tool that was used for the studies in this connection assessment was PSS/E version 34.

2 Pre-Project Study Results

This section describes the results of the pre-Project power flow studies.

2.1 Power Flow Studies

Power flow diagrams illustrating the pre-Project power flow studies results for Category A and Category B conditions are provided in Attachment A2.

2.1.1 Scenario 1: 2028 Summer Light High Generation Pre-Project

Category A Conditions

Thermal criteria (as defined in Section 3.1 of Attachment A1) violations were observed under Category A conditions.

Table 2-1: Thermal Criteria Violations under Category A Conditions for Scenario 1

Contingency (System Element Lost)	Violation Location Details	Thermal Ratings (MVA)		Pre-Project Results	
		Normal Rating	Emergency Rating	Power Flow[a] (MVA)	% Loading[b]
None	7L760 (Oyen 767S to 7LA760 Tap)	110.2	122.7	113.4	102.9
	7L132 (Oyen 767S to Lanfine 959S)	112.1	138.0	115.0	102.6

Notes:

[a] Power flow (MVA) is current expressed as MVA (i.e., $S = \sqrt{3} \times V_{base} \times I_{actual}$)

[b] Reported as a percentage of the power flow (in MVA, i.e., $S = \sqrt{3} \times V_{base} \times I_{actual}$) relative to the transmission line's Normal Rating (also in MVA).

Thermal criteria violations were observed under Category A conditions. Hence, Category A curtailments were conducted prior to commencing Category B studies. The most effective generators were scaled down to mitigate Category A overloads. The generation adjustments for this scenario were performed based on the post-project Category A violations.

Updated generation dispatch values for Scenario 1 are shown in the table below.

Table 2-2: Generation Curtailment for Scenario 1

Generator Name	Bus Number	CSS (MW)	Dispatch (MW)
LAN1	60996	103.0	13.0
UK Solar East	561042, 562042	313.5	195.0
RESC Oyen	560032	192.0	119.4

Thermal criteria violations under Category A Conditions prior to and after generation curtailment for Scenario 1 are shown in the table below:

Table 2-3: Thermal Loading under Category A Conditions for Scenario 1 Post-Curtailment

Contingency (System Element Lost)	Details of Violation (Violation Observed On)	Seasonal Continuous Rating (MVA)	Short-term (Emergency) Rating (MVA)	Pre-Project Results (Pre-Curtailment)		Pre-Project Results (Post-Curtailment)	
				Power Flow (MVA)	% Loading	Power Flow (MVA)	% Loading
None	7L760 (Oyen 767S to 7LA760 Tap)	110.2	122.7	113.4	102.9	88.7	80.5
	7L132 (Oyen 767S to Lanfine 959S)	112.1	138.0	115.0	102.6	88.3	78.8

Category B Conditions

Thermal Criteria Violations

Thermal criteria violations were observed under certain Category B conditions as shown in Table 2-4.

Table 2-4: Thermal Criteria Violations under Category B Conditions for Scenario 1

Contingency (System Element Lost)	Violation Location Details	Thermal Ratings (MVA)		Pre-Project Results	
		Normal Rating	Emergency Rating	Power Flow[a] (MVA)	% Loading[b]
962L/9L62 (Tinchebray 972S to Gaetz 87S)	912L (Nevis 766S to Red Deer 63S)	507	608	514.1	101.4
	9L20 (Nevis 766S to Cordel 755S)	429	501	480.9	112.1
749L (Metiskow 648S to Edgerton 899S)	715L (715AL Tap to 715BL Tap)	98	108	102.5	104.6
Edgerton 899S Transformer T1	715L (715AL Tap to 715BL Tap)	98	108	98.3	100.3
9L24 (Oakland 946s - Lanfine 959s)	7L760 (Oyen 767S to Bindloss 914S Tap)	110.2	122.7	174.3	158.2
	7L132 (Oyen 767S to Lanfine 959S)	112.1	138	180.9	161.4

Notes:

[a] Power flow (MVA) is current expressed as MVA (i.e., $S = \sqrt{3} \times V_{base} \times I_{actual}$)

[b] Reported as a percentage of the power flow (in MVA, i.e., $S = \sqrt{3} \times V_{base} \times I_{actual}$) relative to the transmission line's Normal Rating (also in MVA).

Voltage Criteria Violations

No voltage criteria violations were observed under Category B conditions.

POD Bus Voltage Deviations

No voltage deviations beyond the limits listed in Table 3-1 of Attachment A1 (hereafter referred to as point of delivery (POD) bus voltage deviations) were observed.

2.1.2 Scenario 2: 2028 Summer Peak High Generation Pre-Project

Category A Conditions

Thermal criteria (as defined in Section 3.1 of Attachment A1) violations were observed under Category A conditions.

Table 2-5: Thermal Criteria Violations under Category A Conditions for Scenario 2

Contingency (System Element Lost)	Violation Location Details	Thermal Ratings (MVA)		Pre-Project Results	
		Normal Rating	Emergency Rating	Power Flow[a] (MVA)	% Loading[b]
None	715L (Hansman Lake 650S to 715AL Tap)	98	132	117.4	119.8
	749AL (749AL Tap to 749AAL Tap)	120.9	133	127.3	105.3
	715AL (715AL Tap to Cache Rising Sun MPC Solar)	98	108	117.5	119.9
	7L760 (Oyen 767S to 7LA760 Tap)	110.2	122.7	157.9	143.3
	7L132 (Oyen 767S to Lanfine 959S)	112.1	138	158.2	141.1

Notes:

[a] Power flow (MVA) is current expressed as MVA (i.e., $S = \sqrt{3} \times V_{base} \times I_{actual}$)

[b] Reported as a percentage of the power flow (in MVA, i.e., $S = \sqrt{3} \times V_{base} \times I_{actual}$) relative to the transmission line's Normal Rating (also in MVA).

Thermal criteria violations were observed under Category A conditions. Hence, Category A curtailments were conducted prior to commencing Category B studies. The most effective generators were scaled down to mitigate Category A overloads. The generation adjustments for this scenario were performed based on the post-project Category A violations.

Updated generation dispatch values for Scenario 2 are shown in the table below.

Table 2-6: Generation Curtailment for Scenario 2

Generator Name	Bus Number	CSS (MW)	Dispatch (MW)
ABO Fox Meadows	560039	106.2	96.9
BluEarth Yarrow	560273	53.1	48.5
Rising Cache	562046	97.5	67.5
LAN1	60996	137.6	25.6
UK Solar East	561042, 562042	312.7	58.2
RESC Oyen	560032	250.0	46.5

Thermal criteria violations under Category A Conditions prior to and after generation curtailment for Scenario 2 are shown in the table below:

Table 2-7: Thermal Loading under Category A Conditions for Scenario 2 Post-Curtailment

Contingency (System Element Lost)	Details of Violation (Violation Observed On)	Seasonal Continuous Rating (MVA)	Short-term (Emergency) Rating (MVA)	Pre-Project Results (Pre-Curtailment)		Pre-Project Results (Post-Curtailment)	
				Power Flow (MVA)	% Loading	Power Flow (MVA)	% Loading
None	715L (Hansman Lake 650S to 715AL Tap)	98	132	117.4	119.8	90.2	92.1
	749AL (749AL Tap to ABO Fox Meadows Wind)	120.9	133	127.3	105.3	114.0	94.2
	715AL (715AL Tap to Cache Rising Sun MPC Solar)	98	108	117.5	119.9	90.3	92.1
	7L760 (Oyen 767S to Bindloss 914S Tap)	110.2	122.7	157.9	143.3	92.1	83.6
	7L132 (Oyen 767S to Lanfine 959S)	112.1	138	158.2	141.1	86.9	77.5

Category B Conditions

Thermal Criteria Violations

Thermal criteria violations were observed under certain Category B conditions as shown in Table 2-8.

Table 2-8: Thermal Criteria Violations under Category B Conditions for Scenario 2

Contingency (System Element Lost)	Violation Location Details	Thermal Rating (MVA)		Pre-Project Results	
		Normal Rating	Emergency Rating	Power Flow[a] (MVA)	% Loading[b]
885L (Metiskow 648S to Hansman Lake 650S)	749AL (749AL Tap to 749BL Tap)	120.9	133	127.2	105.2
748L (Hayter 277S to Killarney Lake 267S)	715L (715AL Tap to 715BL Tap)	98	108	107.6	109.8
766S T1 (Nevis 766S 240/138 kV Transformer)	7L128 (Coyote Lake 963S to 7LA128 Tap)	162.9	180.2	173.8	106.7
7L16 (Nevis 766S to Heatburg 948S)	7L128 (Coyote Lake 963S to 7LA128 Tap)	162.9	180.2	195.8	120.2
7L137 (Three Hills 770S to Rowley 768S)	7L128 (Coyote Lake 963S to 7LA128 Tap)	162.9	180.2	167.9	103.1
7L25 (Rowley 768S to Michichi Creek 802S)	7L128 (Coyote Lake 963S to 7LA128 Tap)	162.9	180.2	169.4	104.0

Contingency (System Element Lost)	Violation Location Details	Thermal Rating (MVA)		Pre-Project Results	
		Normal Rating	Emergency Rating	Power Flow[a] (MVA)	% Loading[b]
9L29 (Oakland 946S to Coyote Lake 963S)	7L159 (Heatburg 948S to 7LA159 Tap)	107.3	123.6	122.3	114.0
	7L16 (Nevis 766S to Heatburg 948S)	107.3	119.8	119.7	111.6
963S T1 (Coyote Lake 963S Transformer T1)	7L159 (Heatburg 948S to 7LA159 Tap)	107.3	123.6	122.3	114.0
	7L16 (Nevis 766S to Heatburg 948S)	107.3	119.8	119.7	111.6
912L (Nevis 766S to Red Deer 63S)	7L128 (Coyote Lake 963S to 7LA128 Tap)	162.9	180.2	167.0	102.5
962L/9L62 (Tinchebray 972S to Gaetz 87S)	174L (Bardo 197S to North Holden 395S)	121	133	125.6	103.8
	912L (Nevis 766S to Red Deer 63S)	507	608	556.2	109.7
	9L20 (Nevis 766S to Cordel 755S)	429	501	490.3	114.3
EATL	174L (Bardo 197S to North Holden 395S)	121	133	123.5	102.1
749L (Metiskow 648S to Edgerton 899S)	715L (715AL Tap to 715BL Tap)	98	108	104.9	107.0
749L (Edgerton 899S to Lloydminster 716S)	715L (715AL Tap to 715BL Tap)	98	108	98.8	100.8
Edgerton 899S Transformer T1	715L (715AL Tap to 715BL Tap)	98	108	99.8	101.8
Killarney Lake 267S Transformer T1	715L (715AL Tap to 715BL Tap)	98	108	107.6	109.8
715L (Hansman Lake 650S to Provost 545S)	749AL (749AL Tap to 749BL Tap)	120.9	133	142.7	118.0
1047L (Hansman Lake 650S to Nilrem 574S)	472L (Metiskow 648S to 472AL)	121	133	124.9	103.2
9L24 (Oakland 946s - Lanfine 959s)	7L128 (Coyote Lake 963S to 7LA128 Tap)	162.9	180.2	162.9	100.0
	7L760 (Oyen 767S to Bindloss 914S Tap)	110.2	122.7	154.6	140.3
	7L132 (Oyen 767S to Lanfine 959S)	112.1	138	154.4	137.7

Notes:

[a] Power flow (MVA) is current expressed as MVA (i.e., $S = \sqrt{3} \times V_{base} \times I_{actual}$)

[b] Reported as a percentage of the power flow (in MVA, i.e., $S = \sqrt{3} \times V_{base} \times I_{actual}$) relative to the transmission line's Normal Rating (also in MVA).

Voltage Criteria Violations

No voltage criteria violations were observed under Category B conditions.

POD Bus Voltage Deviations

No voltage deviations beyond the limits listed in Table 3-1 of Attachment A1 (hereafter referred to as point of delivery (POD) bus voltage deviations) were observed.

2.1.3 Scenario 3: 2028 Winter Peak High Generation Pre-Project

Category A Conditions

Thermal criteria (as defined in Section 3.1 of Attachment A1) violations were observed under Category A conditions.

Table 2-9: Thermal Criteria Violations under Category A Conditions for Scenario 3

Contingency (System Element Lost)	Violation Location Details	Thermal Ratings (MVA)		Pre-Project Results	
		Normal Rating	Emergency Rating	Power Flow[a] (MVA)	% Loading[b]
None	749AL (749AL Tap to ABO Fox Meadows Wind)	148.0	163.0	154.8	104.6

Notes:

[a] Power flow (MVA) is current expressed as MVA (i.e., $S = \sqrt{3} \times V_{base} \times I_{actual}$)

[b] Reported as a percentage of the power flow (in MVA, i.e., $S = \sqrt{3} \times V_{base} \times I_{actual}$) relative to the transmission line's Normal Rating (also in MVA).

Thermal criteria violations were observed under Category A conditions. Hence, Category A curtailments were conducted prior to commencing Category B studies. The most effective generators were scaled down to mitigate Category A overloads. The generation adjustments for this scenario were performed based on the post-project Category A violations. Updated generation dispatch values for Scenario 3 are shown in the table below.

Table 2-10: Generation Curtailment for Scenario 3

Generator Name	Bus Number	CSS (MW)	Dispatch (MW)
ABO Fox Meadow	560039	128.5	115.1
BluEarth Yarrow	560273	64.2	57.8
HAL1	66435, 67435	143.2	23.2

Thermal criteria violations under Category A Conditions prior to and after generation curtailment for Scenario 3 are shown in the table below:

Table 2-11: Thermal Loading under Category A Conditions for Scenario 3 Post-Curtailment

Contingency (System Element Lost)	Details of Violation (Violation Observed On)	Seasonal Continuous Rating (MVA)	Short-term (Emergency) Rating (MVA)	Pre-Project Results (Pre-Curtailment)		Pre-Project Results (Post-Curtailment)	
				Power Flow (MVA)	% Loading	Power Flow (MVA)	% Loading
None	749AL (749AL Tap to 749AAL Tap)	148.0	163.0	154.8	104.6	141.1	95.3

Category B Conditions

Thermal Criteria Violations

Thermal criteria violations were observed under certain Category B conditions as shown in Table 2-12.

Table 2-12: Thermal Criteria Violations under Category B Conditions for Scenario 3

Contingency (System Element Lost)	Violation Location Details	Thermal Ratings (MVA)		Pre-Project Results	
		Normal Rating	Emergency Rating	Power Flow[a] (MVA)	% Loading[b]
681L (Hardisty 377S to Tucuman 478S)	703L (Hardisty 377S to HRT Express Tap)	96	143	102.0	106.2
885L (Metiskow 648S to Hansman Lake 650S)	749AL (749AL Tap to 749BL Tap)	148	163	165.3	111.7
966L (Hansman Lake 650S to Pemukan 932S)	7L224 (Hansman Lake 650S to Monitor 774S)	143.8	163.9	169.8	118.1
	7L127 (Pemukan 932S to Monitor 774S)	182.1	243.4	201.4	110.6
9L27 (Paintearth Creek 863S to Cordel 755S)	703L (Hardisty 377S to HRT Express Tap)	96	143	106.4	110.8
1060L (Paintearth 863S to P2555 Switching sub)	703L (Hardisty 377S to HRT Express Tap)	96	143	106.9	111.4
9L20 (Nevis 766S to Cordel 755S)	7L16 (Nevis 766S to Heatburg 948S)	127.5	160	128.3	100.6
	962L (Tinchebray 972S to Gaetz 87S)	831.4	831.4	932.0	112.1
953L (Nilren 574S to Cordel 755S)	704L (Wainwright 51S to Tucuman 478S)	79	87	83.2	105.3
9L29 (Oakland 946S to Coyote Lake 963S)	7L16 (Nevis 766S to Heatburg 948S)	127.5	160	129.4	101.5
963S T1 (Coyote Lake 963S Transformer T1)	7L16 (Nevis 766S to Heatburg 948S)	127.5	160	129.4	101.5

912L (Nevis 766S to Red Deer 63S)	962L (Tinchebray 972S to Gaetz 87S)	831.4	831.4	1004.3	120.8
	9L16 (Tincherbray 972S to Goldeye Tap)	499	499	541.4	108.5
962L/9L62 (Tinchebray 972S to Gaetz 87S)	174L (Bardo 197S to North Holden 395S)	149	164	162.3	108.9
	701L (North Hoden 395S to Strome 223S)	146	161	149.7	102.5
	912L (Nevis 766S to Red Deer 63S)	624	624	840.5	134.7
	9L20 (Nevis 766S to Cordel 755S)	540	624	735.5	136.2
EATL	704L (Wainwright 51S to Tucuman 478S)	79	87	81.7	103.4
	Hansman Lake 650S SVC Transformer	200	200	211.0	105.5
	7L16 (Nevis 766S to Heatburg 948S)	127.5	160	132.1	103.6
	962L (Tinchebray 972S to Gaetz 87S)	831.4	831.4	906.2	109.0
	9L59 (Tinchebray 972S to 9LA59)	499	499	543.9	109.0
749L (Edgerton 899S to Lloydminster 716S)	703L (Hardisty 377S to HRT Express Tap)	96	143	98.0	102.1
Edgerton 899S Transformer T1	703L (Hardisty 377S to HRT Express Tap)	96	143	99.5	103.6
	704L (Wainwright 51S to Tucuman 478S)	79	87	80.3	101.7
715L (Hansman Lake 650S to Provost 545S)	749AL (749AL Tap to 749BL Tap)	148	163	176.4	119.2
1047L (Hansman Lake 650S to Nilrem 574S)	703L (Hardisty 377S to HRT Express Tap)	96	143	154.2	160.6
	472L (Metiskow 648S to 472AL)	150	165	196.1	130.7
	703L (Hughenden 213S to HRT Express Tap)	145	160	159.4	109.9
	472L (Hughenden 213S to Sunken Lake 221S Tap)	148	163	163.4	110.4
9L24 (Oakland 946s - Lanfine 959s)	703L (Hardisty 377S to HRT Express Tap)	96	143	105.6	110.0
	9L966 (Pemukan 932S to Hansman Lake 650S)	442	442	448.2	101.4
	Hansman Lake 650S SVC Transformer	200	200	238.6	119.3

	7L760 (Oyen 767S to Bindloss 914S Tap)	146.6	167.7	169.2	115.4
	7L132 (Oyen 767S to Lanfine 959S)	140.9	171.5	189.4	134.4

Notes:

[a] Power flow (MVA) is current expressed as MVA (i.e., $S = \sqrt{3} \times V_{base} \times I_{actual}$)

[b] Reported as a percentage of the power flow (in MVA, i.e., $S = \sqrt{3} \times V_{base} \times I_{actual}$) relative to the transmission line's Normal Rating (also in MVA).

Voltage Criteria Violations

No voltage criteria violations were observed under Category B conditions.

POD Bus Voltage Deviations

No voltage deviations beyond the limits listed in Table 3-1 of Attachment A1 (hereafter referred to as point of delivery (POD) bus voltage deviations) were observed.

2.1.4 Scenario 4: 2028 Summer Peak Low Generation Pre-Project

Category A Conditions

Thermal criteria (as defined in Section 3.1 of Attachment A1) violations were observed under Category A conditions.

Table 2-13: Thermal Criteria Violations under Category A Conditions for Scenario 4

Contingency (System Element Lost)	Violation Location Details	Thermal Ratings (MVA)		Pre-Project Results	
		Normal Rating	Emergency Rating	Power Flow[a] (MVA)	% Loading[b]
None	715L (Hansman Lake 650S to 715AL Tap)	98	132.0	128.7	131.3
	749AL (749AL Tap to 749AAL Tap)	120.9	133.0	127.6	105.5
	715L (715AL Tap to Cache Rising Sun MPC Solar)	98.0	108.0	128.9	131.5

Notes:

[a] Power flow (MVA) is current expressed as MVA (i.e., $S = \sqrt{3} \times V_{base} \times I_{actual}$)

[b] Reported as a percentage of the power flow (in MVA, i.e., $S = \sqrt{3} \times V_{base} \times I_{actual}$) relative to the transmission line's Normal Rating (also in MVA).

Thermal criteria violations were observed under Category A conditions. Hence, Category A curtailments were conducted prior to commencing Category B studies. The most effective generators were scaled down to mitigate Category A overloads. The generation adjustments for this scenario were performed based on the post-project Category A violations.

Updated generation dispatch values for Scenario 4 are shown in the table below.

Table 2-14: Generation Curtailment for Scenario 4

Generator Name	Bus Number	CSS (MW)	Dispatch (MW)
ABO Fox Meadows	560039	107.4	100.7
BluEarth Yarrow	560273	53.7	50.3
Cache Rising Solar	562046	100.1	60.1

Thermal criteria violations under Category A Conditions prior to and after generation curtailment for Scenario 4 are shown in the table below:

Table 2-15: Thermal Loading under Category A Conditions for Scenario 4 Post-Curtailment

Contingency (System Element Lost)	Details of Violation (Violation Observed On)	Seasonal Continuous Rating (MVA)	Short-term (Emergency) Rating (MVA)	Pre-Project Results (Pre-Curtailment)		Pre-Project Results (Post-Curtailment)	
				Power Flow (MVA)	% Loading	Power Flow (MVA)	% Loading
None	715L (Hansman Lake 650S to 715AL Tap)	98	132.0	128.7	131.3	93.0	94.9
	749AL (749AL Tap to 749AAL Tap)	120.9	133.0	127.6	105.5	117.5	97.2
	715L (715AL Tap to Cache Rising Sun MPC Solar)	98.0	108.0	128.9	131.5	93.3	95.2

Category B Conditions

Thermal Criteria Violations

Thermal criteria violations were observed under certain Category B conditions as shown in Table 2-16.

Table 2-16: Thermal Criteria Violations under Category B Conditions for Scenario 4

Contingency (System Element Lost)	Violation Location Details	Thermal Ratings (MVA)		Pre-Project Results	
		Normal Rating	Emergency Rating	Power Flow[a] (MVA)	% Loading[b]
885L (Metiskow 648S to Hansman Lake 650S)	749AL (749AL Tap to 749BL Tap)	120.9	133.0	138.2	114.3
748L (Hayter 277S to Killarney Lake 267S)	715L (715AL Tap to 715BL Tap)	98.0	108.0	117.7	120.1
966L (Hansman Lake 650S to Pemukan 932S)	7L224 (Hansman Lake 650S to Monitor 774S)	108.3	125.0	112.8	104.2

Contingency (System Element Lost)	Violation Location Details	Thermal Ratings (MVA)		Pre-Project Results	
		Normal Rating	Emergency Rating	Power Flow[a] (MVA)	% Loading[b]
7L42 (Hill 751S to Lloydminster 716S)	715L (715AL Tap to 715BL Tap)	98.0	108.0	101.5	103.6
9L27 (Paintearth Creek 863S to Cordel 755S)	472L (Metiskow 648S to 472AL)	121.0	133.0	127.9	105.7
1060L (Paintearth 863S to P2555 Switching sub)	472L (Metiskow 648S to 472AL)	121.0	133.0	128.4	106.1
953L (Nilren 574S to Cordel 755S)	704L (Wainwright 51S to Tucuman 478S)	75.0	83.0	78.7	104.9
962L/9L62 (Tinchebray 972S to Gaetz 87S)	912L (Nevis 766S to Red Deer 63S)	507.0	608.0	553.6	109.2
	9L20 (Nevis 766S to Cordel 755S)	429.0	501.0	497.2	115.9
EATL	704L (Wainwright 51S to Tucuman 478S)	75.0	83.0	76.7	102.3
	749AL (749AL Tap to 749BL Tap)	120.9	133.0	121.6	100.6
749L (Metiskow 648S to Edgerton 899S)	715L (715AL Tap to 715BL Tap)	98.0	108.0	115.2	117.5
749L (Edgerton 899S to Lloydminster 716S)	472L (Metiskow 648S to 472AL)	121.0	133.0	121.6	100.5
	704L (Wainwright 51S to Tucuman 478S)	75.0	83.0	75.8	101.0
	715L (715AL Tap to 715BL Tap)	98.0	108.0	105.7	107.9
Edgerton 899S Transformer T1	472L (Metiskow 648S to 472AL)	121.0	133.0	123.1	101.7
	704L (Wainwright 51S to Tucuman 478S)	75.0	83.0	77.2	102.9
	715L (715AL Tap to 715BL Tap)	98.0	108.0	106.8	109.0
Killarney Lake 267S Transformer T1	715L (715AL Tap to 715BL Tap)	98.0	108.0	117.9	120.3
715L (Hansman Lake 650S to Provost 545S)	749AL (749AL Tap to 749BL Tap)	120.9	133.0	142.2	117.6
1047L (Hansman Lake 650S to Nilrem 574S)	703L (Hardisty 377S to HRT Express Tap)	96.0	133.0	125.4	130.6
	472L (Metiskow 648S to 472AL)	121.0	133.0	163.7	135.3
	703L (Hughenden 213S to HRT Express Tap)	121.0	133.0	128.6	106.3
	472L (Hughenden 213S to Sunken Lake 221S Tap)	120.0	132.0	133.3	111.1
9L24 (Oakland 946s - Lanfine 959s)	472L (Metiskow 648S to 472AL)	121.0	133.0	123.2	101.8

Notes:

[a] Power flow (MVA) is current expressed as MVA (i.e., $S = \sqrt{3} \times V_{base} \times I_{actual}$)

[b] Reported as a percentage of the power flow (in MVA, i.e., $S = \sqrt{3} \times V_{base} \times I_{actual}$) relative to the transmission line's Normal Rating (also in MVA).

Voltage Criteria Violations

No voltage criteria violations were observed under Category B conditions.

POD Bus Voltage Deviations

No voltage deviations beyond the limits listed in Table 3-1 of Attachment A1 (hereafter referred to as point of delivery (POD) bus voltage deviations) were observed.

2.1.5 Scenario 5: 2028 Winter Peak Low Generation Pre-Project

Category A Conditions

No Reliability Criteria (as defined in Section 3.1 of Attachment A1) violations were observed under Category A conditions.

Category B Conditions

No Reliability Criteria violations were observed under Category B conditions.

3 Post-Project Study Results

This section describes the results of the post-Project power flow studies, voltage stability studies, and transient stability studies.

As described in Section 2 of Attachment A1, the post-Project studies were performed using Alternative 1.

3.1 Power Flow Studies

Power flow diagrams illustrating the post-Project power flow studies results for Category A and Category B conditions are included in Attachment A3.

3.1.1 Scenario 6: 2028 Summer Light High Generation Post-Project

Category A Conditions

Thermal criteria (as defined in Section 3.1 of Attachment A1) violations were observed under Category A conditions.

Table 3-1: Thermal Criteria Violations under Category A Conditions for Scenario 6

Contingency (System Element Lost)	Violation Location Details	Thermal Ratings (MVA)		Pre-Project Results		Post-Project Results		% Loading Difference (Post-Pre)
		Normal Rating	Emergency Rating	Power Flow (MVA)	% Loading	Power Flow (MVA)	% Loading	
None	7L760 (Oyen 767S to 7LA760 Tap)	110.2	122.7	113.4	102.9	130.2	118.1	15.2
	7L132 (Oyen 767S to Lanfine 959S)	112.1	138.0	115.0	102.6	131.5	117.3	14.7

Thermal criteria violations were observed under Category A conditions. Hence, Category A curtailments were conducted prior to commencing Category B studies. The most effective generators were scaled down to mitigate Category A overloads.

Updated generation dispatch values for Scenario 6 are shown in the table below.

Table 3-2: Generation Curtailment for Scenario 6

Generator Name	Bus Number	CSS (MW)	Dispatch (MW)
LAN1	60996	103.0	13.0
UK Solar East	561042, 562042	313.5	195.0
RESC Oyen	560032	192.0	119.4

Thermal criteria violations under Category A Conditions prior to and after generation curtailment for Scenario 6 are shown in the table below:

Table 3-3: Thermal Loading under Category A Conditions for Scenario 5 Post-Curtailment

Contingency (System Element Lost)	Details of Violation (Violation Observed On)	Seasonal Continuous Rating (MVA)	Short-term (Emergency) Rating (MVA)	Post-Project Results (Pre-Curtailment)		Post-Project Results (Post-Curtailment)	
				Power Flow (MVA)	% Loading	Power Flow (MVA)	% Loading
None	7L760 (Oyen 767S to 7LA760 Tap)	110.2	122.7	130.2	118.1	105.3	95.6
	7L132 (Oyen 767S to Lanfine 959S)	112.1	138.0	131.5	117.3	104.5	93.2

Category B Conditions

Thermal Criteria Violations

Thermal criteria violations were observed under certain Category B conditions as shown in Table 3-4.

Table 3-4: Thermal Criteria Violations under Category B Conditions for Scenario 6

Contingency (System Element Lost)	Details of Violation (Violation Observed On)	Normal Rating (MVA)	Emergency Rating (MVA)	Pre-Project Results		Post-Project Results		% Loading Difference (Post-Pre)
				Observed Power Flow (MVA)	% Loading	Observed Power Flow (MVA)	% Loading	
9L20 (Nevis 766S to Cordel 755S)	9L16 (Tincherbray 972S to Goldeye Tap)	499.0	499.0	361.3	72.4	505.5	101.3	28.9
	7L760 (Oyen 767S to Bindloss 914S Tap)	110.2	122.7	93.1	84.4	110.8	100.5	16.1
953L (Nilren 574S to Cordel 755S)	702L (Hardisty 377S to Sedgewick 137S)	87.0	96.0	61.5	70.7	87.8	100.9	30.2
	704L (Wainwright 51S to Tucuman 478S)	75.0	83.0	68.9	91.9	87.7	116.9	25.0
	7L760 (Oyen 767S to Bindloss 914S Tap)	110.2	122.7	93.3	84.7	112.4	102.0	17.4
	7L132 (Oyen 767S to Lanfine 959S)	112.1	138.0	93.4	83.3	112.4	100.3	17.0
912L (Nevis 766S to Red Deer 63S)	9L16 (Tincherbray 972S to Goldeye Tap)	499.0	499.0	375.4	75.2	518.5	103.9	28.7
	7L760 (Oyen 767S to Bindloss 914S Tap)	110.2	122.7	94.0	85.3	111.9	101.5	16.2
962L/9L62 (Tinchebray 972S to Gaetz 87S)	174L (Bardo 197S to North Holden 395S)	121.0	133.0	107.2	88.6	122.2	101.0	12.4
	912L (Nevis 766S to Red Deer 63S)	507.0	608.0	514.1	101.4	600.3	118.4	17.0
	9L20 (Nevis 766S to Cordel 755S)	429.0	501.0	480.9	112.1	565.4	131.8	19.7
	7L760 (Oyen 767S to Bindloss 914S Tap)	110.2	122.7	97.9	88.8	116.2	105.4	16.6
	7L132 (Oyen 767S to Lanfine 959S)	112.1	138.0	97.1	86.6	114.9	102.5	15.9

Contingency (System Element Lost)	Details of Violation (Violation Observed On)	Normal Rating (MVA)	Emergency Rating (MVA)	Pre-Project Results		Post-Project Results		% Loading Difference (Post-Pre)
				Observed Power Flow (MVA)	% Loading	Observed Power Flow (MVA)	% Loading	
EATL	704L (Wainwright 51S to Tucuman 478S)	75.0	83.0	67.4	89.8	79.2	105.6	15.8
749L (Metiskow 648S to Edgerton 899S)	704L (Wainwright 51S to Tucuman 478S)	75.0	83.0	63.4	84.5	75.0	100.0	15.5
	715L (715AL Tap to 715BL Tap)	98.0	108.0	102.5	104.6	102.6	104.7	0.1
749L (Edgerton 899S to Lloydminster 716S)	704L (Wainwright 51S to Tucuman 478S)	75.0	83.0	63.4	84.5	75.0	100.0	15.5
Edgerton 899S Transformer T1	704L (Wainwright 51S to Tucuman 478S)	75.0	83.0	64.7	86.3	76.4	101.8	15.5
	715L (715AL Tap to 715BL Tap)	98.0	108.0	98.3	100.3	98.3	100.3	0.0
1047L (Hansman Lake 650S to Nilrem 574S)	703L (Hardisty 377S to HRT Express Tap)	96.0	133.0	87.2	90.9	127.7	133.0	42.2
	472L (Metiskow 648S to 472AL)	121.0	133.0	108.4	89.6	150.5	124.4	34.8
	703L (Hughenden 213S to HRT Express Tap)	121.0	133.0	89.9	74.3	130.4	107.8	33.5
	472L (Hughenden 213S to Sunken Lake 221S Tap)	120.0	132.0	99.5	82.9	140.8	117.3	34.4
9L24 (Oakland 946s - Lanfine 959s)	7L760 (Oyen 767S to Bindloss 914S Tap)	110.2	122.7	174.3	158.2	212.1	192.5	34.3
	7L132 (Oyen 767S to Lanfine 959S)	112.1	138.0	180.9	161.4	220.3	196.5	35.1

Voltage Criteria Violations

No voltage criteria violations were observed under Category B conditions.

POD Bus Voltage Deviations

No POD bus voltage deviations were observed.

3.1.2 Scenario 7: 2028 Summer Peak High Generation Post-Project

Category A Conditions

Thermal criteria (as defined in Section 3.1 of Attachment A1) violations were observed under Category A conditions.

Table 3-5: Thermal Criteria Violations under Category A Conditions for Scenario 7

Contingency	Violation Location Details	Thermal Ratings (MVA)	Pre-Project Results	Post-Project Results	% Loading

(System Element Lost)		Normal Rating	Emergency Rating	Power Flow (MVA)	% Loading	Power Flow (MVA)	% Loading	Difference
None	472L (Metiskow 648S to 472AL)	121	133	114.0	94.2	130.4	107.8	13.6
	715L (Hansman Lake 650S to 715AL Tap)	98	132	117.4	119.8	115.5	117.9	-1.9
	749AL (749AL Tap to ABO Fox Meadows Wind)	120.9	133	127.3	105.3	129.1	106.8	1.5
	715AL (715AL Tap to Cache Rising Sun MPC Solar)	98	108	117.5	119.9	115.5	117.9	-2.0
	7L760 (Oyen 767S to Bindloss 914S Tap)	110.2	122.7	157.9	143.3	173.6	157.5	14.2
	7L132 (Oyen 767S to Lanfine 959S)	112.1	138	158.2	141.1	173.9	155.1	14.0

Thermal criteria violations were observed under Category A conditions. Hence, Category A curtailments were conducted prior to commencing Category B studies. The most effective generators were scaled down to mitigate Category A overloads.

Updated generation dispatch values for Scenario 7 are shown in the table below.

Table 3-6: Generation Curtailment for Scenario 7

Generator Name	Bus Number	CSS (MW)	Dispatch (MW)
ABO Fox Meadows	560039	106.2	96.9
BluEarth Yarrow	560273	53.1	48.5
Rising Cache	562046	97.5	67.5
LAN1	60996	137.6	25.6
UK Solar East	561042, 562042	312.7	58.2
RESC Oyen	560032	250.0	46.5

Thermal criteria violations under Category A Conditions prior to and after generation curtailment for Scenario 4 are shown in the table below:

Table 3-7: Thermal Loading under Category A Conditions for Scenario 7 Post-curtailment

Contingency (System Element Lost)	Details of Violation (Violation Observed On)	Seasonal Continuous Rating (MVA)	Short-term (Emergency) Rating (MVA)	Post-Project Results (Pre-Curtailment)		Post-Project Results (Post-Curtailment)	
				Power Flow (MVA)	% Loading	Power Flow (MVA)	% Loading

None	472L (Metiskow 648S to 472AL)	121	133	130.4	107.8	103.6	85.6
	715L (Hansman Lake 650S to 715AL Tap)	98	132	115.5	117.9	88.4	90.2
	749AL (749AL Tap to ABO Fox Meadows Wind)	120.9	133	129.1	106.8	115.8	95.8
	715AL (715AL Tap to Cache Rising Sun MPC Solar)	98	108	115.5	117.9	88.4	90.2
	7L760 (Oyen 767S to Bindloss 914S Tap)	110.2	122.7	173.6	157.5	107.3	97.4
	7L132 (Oyen 767S to Lanfine 959S)	112.1	138	173.9	155.1	102.0	91.0

Category B Conditions

Thermal Criteria Violations

Thermal criteria violations were observed under certain Category B conditions as shown in Table 3-8.

Table 3-8: Thermal Criteria Violations under Category B Conditions for Scenario 7

Contingency (System Element Lost)	Details of Violation (Violation Observed On)	Normal Rating (MVA)	Emergency Rating (MVA)	Pre-Project Results		Post-Project Results		% Loading Difference (Post-Pre)
				Observed Power Flow (MVA)	% Loading	Observed Power Flow (MVA)	% Loading	
701L (North Hoden 395S to Strome 223S)	7L65 (Vegreville 709S to 7LA65)	109.3	121.7	102.6	93.9	112.5	102.9	9.1
885L (Metiskow 648S to Hansman Lake 650S)	749AL (749AL Tap to 749BL Tap)	120.9	133.0	127.2	105.2	130.3	107.8	2.6
748L (Hayter 277S to Killarney Lake 267S)	715L (715AL Tap to 715BL Tap)	98.0	108.0	107.6	109.8	107.6	109.8	0.0
766S T1 (Nevis 766S 240/138 kV Transformer)	7L128 (Coyote Lake 963S to 7LA128 Tap)	162.9	180.2	173.8	106.7	175.8	107.9	1.2
9L20 (Nevis 766S to Cordel 755S)	7L760 (Oyen 767S to Bindloss 914S Tap)	110.2	122.7	96.3	87.4	112.7	102.3	15.0
7L16 (Nevis 766S to Heatburg 948S)	7L128 (Coyote Lake 963S to 7LA128 Tap)	162.9	180.2	195.8	120.2	196.6	120.7	0.5
953L (Nilren 574S to Cordel 755S)	7L760 (Oyen 767S to Bindloss 914S Tap)	110.2	122.7	95.0	86.2	112.8	102.4	16.2
7L137 (Three Hills 770S to Rowley 768S)	7L128 (Coyote Lake 963S to 7LA128 Tap)	162.9	180.2	167.9	103.1	168.6	103.5	0.4
7L25 (Rowley 768S to Michichi Creek 802S)	7L128 (Coyote Lake 963S to 7LA128 Tap)	162.9	180.2	169.4	104.0	170.2	104.5	0.5
	7L159 (Heatburg 948S to 7LA159 Tap)	107.3	123.6	122.3	114.0	121.9	113.6	-0.4

Contingency (System Element Lost)	Details of Violation (Violation Observed On)	Normal Rating (MVA)	Emergency Rating (MVA)	Pre-Project Results		Post-Project Results		% Loading Difference (Post-Pre)
				Observed Power Flow (MVA)	% Loading	Observed Power Flow (MVA)	% Loading	
9L29 (Oakland 946S to Coyote Lake 963S)	7L16 (Nevis 766S to Heatburg 948S)	107.3	119.8	119.7	111.6	119.3	111.2	-0.4
963S T1 (Coyote Lake 963S Transformer T1)	7L159 (Heatburg 948S to 7LA159 Tap)	107.3	123.6	122.3	114.0	121.9	113.6	-0.4
	7L16 (Nevis 766S to Heatburg 948S)	107.3	119.8	119.7	111.6	119.3	111.2	-0.4
912L (Nevis 766S to Red Deer 63S)	174L (Bardo 197S to North Holden 395S)	121.0	133.0	107.7	89.0	124.0	102.5	13.5
	7L128 (Coyote Lake 963S to 7LA128 Tap)	162.9	180.2	167.0	102.5	171.5	105.3	2.8
	9L16 (Tincherbray 972S to Goldeye Tap)	499.0	499.0	391.7	78.5	534.4	107.1	28.6
	7L760 (Oyen 767S to Bindloss 914S Tap)	110.2	122.7	97.9	88.9	114.6	104.0	15.1
962L/9L62 (Tinchebray 972S to Gaetz 87S)	174L (Bardo 197S to North Holden 395S)	121.0	133.0	125.6	103.8	144.0	119.0	15.2
	912L (Nevis 766S to Red Deer 63S)	507.0	608.0	556.2	109.7	655.0	129.2	19.5
	9L20 (Nevis 766S to Cordel 755S)	429.0	501.0	490.3	114.3	584.7	136.3	22.0
	7L760 (Oyen 767S to Bindloss 914S Tap)	110.2	122.7	101.9	92.5	119.1	108.1	15.6
	7L132 (Oyen 767S to Lanfine 959S)	112.1	138.0	96.2	85.8	113.4	101.2	15.4
EATL	174L (Bardo 197S to North Holden 395S)	121.0	133.0	123.5	102.1	137.8	113.9	11.8
	7L65 (Vegreville 709S to 7LA65)	109.3	121.7	101.3	92.7	109.6	100.3	7.6
701L (Strome 223S to Battle River 757S)	7L65 (Vegreville 709S to 7LA65)	109.3	121.7	104.8	95.9	114.7	104.9	9.0
9L16 (Tincherbray 972S to Cordel 755S)	7L760 (Oyen 767S to Bindloss 914S Tap)	110.2	122.7	91.4	83.0	110.3	100.1	17.1
749L (Metiskow 648S to Edgerton 899S)	715L (715AL Tap to 715BL Tap)	98.0	108.0	104.9	107.0	105.0	107.1	0.1
749L (Edgerton 899S to Lloydminster 716S)	715L (715AL Tap to 715BL Tap)	98.0	108.0	98.8	100.8	98.8	100.8	0.0
Edgerton 899S Transformer T1	715L (715AL Tap to 715BL Tap)	98.0	108.0	99.8	101.8	99.8	101.8	0.0
Killarney Lake 267S Transformer T1	715L (715AL Tap to 715BL Tap)	98.0	108.0	107.6	109.8	107.6	109.8	0.0
715L (Hansman Lake 650S to Provost 545S)	749AL (749AL Tap to 749BL Tap)	120.9	133.0	142.7	118.0	142.7	118.0	0.0
1047L (Hansman Lake 650S to Nilrem 574S)	703L (Hardisty 377S to HRT Express Tap)	96.0	133.0	87.4	91.0	130.0	135.4	44.4
	472L (Metiskow 648S to 472AL)	121.0	133.0	124.9	103.2	169.4	140.0	36.8

Contingency (System Element Lost)	Details of Violation (Violation Observed On)	Normal Rating (MVA)	Emergency Rating (MVA)	Pre-Project Results		Post-Project Results		% Loading Difference (Post-Pre)
				Observed Power Flow (MVA)	% Loading	Observed Power Flow (MVA)	% Loading	
	703L (Hughenden 213S to HRT Express Tap)	121.0	133.0	90.3	74.6	133.0	109.9	35.3
	472L (Hughenden 213S to Sunken Lake 221S Tap)	120.0	132.0	93.8	78.2	136.7	113.9	35.7
9L24 (Oakland 946s - Lanfine 959s)	472L (Metiskow 648S to 472AL)	121.0	133.0	105.2	86.9	127.8	105.6	18.7
	7L128 (Coyote Lake 963S to 7LA128 Tap)	162.9	180.2	162.9	100.0	168.1	103.2	3.2
	7L760 (Oyen 767S to Bindloss 914S Tap)	110.2	122.7	154.6	140.3	189.9	172.3	32.0
	7L132 (Oyen 767S to Lanfine 959S)	112.1	138.0	154.4	137.7	191.5	170.8	33.1

Voltage Criteria Violations

No voltage criteria violations were observed under Category B conditions.

POD Bus Voltage Deviations

No POD bus voltage deviations were observed.

3.1.3 Scenario 8: 2028 Winter Peak High Generation Post-Project

Category A Conditions

Thermal criteria (as defined in Section 3.1 of Attachment A1) violations were observed under Category A conditions.

Table 3-9: Thermal Criteria Violations under Category A Conditions for Scenario 8

Contingency (System Element Lost)	Violation Location Details	Thermal Ratings (MVA)		Pre-Project Results		Post-Project Results		% Loading Difference (Post-Pre)
		Normal Rating	Emergency Rating	Power Flow (MVA)	% Loading	Power Flow (MVA)	% Loading	
None	703L (Hardisty 377S to HRT Express Tap)	96	143	81.8	85.2	96.7	100.7	15.5
	749AL (749AL Tap to ABO Fox Meadows Wind)	148	163	154.8	104.6	156.9	106	1.4
	962L (Tinchebray 972S to Gaetz 87S)	831.4	831.4	791.5	95.2	874.6	105.2	10.0

Thermal criteria violations were observed under Category A conditions. Hence, Category A curtailments were conducted prior to commencing Category B studies. The most effective generators were scaled down to mitigate Category A overloads.

Updated generation dispatch values for Scenario 6 are shown in the table below.

Table 3-10: Generation Curtailment for Scenario 6

Generator Name	Bus Number	CSS (MW)	Dispatch (MW)
ABO Fox Meadow	560039	128.5	115.1
BluEarth Yarrow	560273	64.2	57.8
HAL1	66435, 67435	143.2	23.2

Thermal criteria violations under Category A Conditions prior to and after generation curtailment for Scenario 8 are shown in the table below:

Table 3-11: Thermal Loading under Category A Conditions for Scenario 8 Post-Curtailment

Contingency (System Element Lost)	Details of Violation (Violation Observed On)	Seasonal Continuous Rating (MVA)	Short-term (Emergency) Rating (MVA)	Post-Project Results (Pre-Curtailment)		Post-Project Results (Post-Curtailment)	
				Power Flow (MVA)	% Loading	Power Flow (MVA)	% Loading
None	703L (Hardisty 377S to HRT Express Tap)	96	143	96.7	100.7	94.9	98.9
	749AL (749AL Tap to ABO Fox Meadows Wind)	148	163	156.9	106.0	142.9	96.6
	962L (Tinchebray 972S to Gaetz 87S)	831.4	831.4	874.6	105.2	814.7	98.0

Category B Conditions

Thermal Criteria Violations

Thermal criteria violations were observed under certain Category B conditions as shown in Table 3-12.

Table 3-12: Thermal Criteria Violations under Category B Conditions for Scenario 8

Contingency (System Element Lost)	Details of Violation (Violation Observed On)	Normal Rating (MVA)	Emergency Rating (MVA)	Pre-Project Results		Post-Project Results		% Loading Difference (Post-Pre)
				Observed Power Flow (MVA)	% Loading	Observed Power Flow (MVA)	% Loading	
701L (North Hoden 395S to Strome 223S)	962L (Tinchebray 972S to Gaetz 87S)	831.4	831.4	747.3	89.9	833.1	100.2	10.3

Contingency (System Element Lost)	Details of Violation (Violation Observed On)	Normal Rating (MVA)	Emergency Rating (MVA)	Pre-Project Results		Post-Project Results		% Loading Difference (Post-Pre)
				Observed Power Flow (MVA)	% Loading	Observed Power Flow (MVA)	% Loading	
681L (Hardisty 377S to Tucuman 478S)	703L (Hardisty 377S to HRT Express Tap)	96.0	143.0	102.0	106.2	114.4	119.2	13.0
	472L (Metiskow 648S to 472AL)	150.0	165.0	136.9	91.2	157.4	104.9	13.7
885L (Metiskow 648S to Hansman Lake 650S)	749AL (749AL Tap to 749BL Tap)	148.0	163.0	165.3	111.7	154.7	104.5	-7.2
679L (Nilrem 574S to Tucuman 478S)	703L (Hardisty 377S to HRT Express Tap)	96.0	143.0	83.1	86.6	97.4	101.5	14.9
680L (Nilrem 574S to Tucuman 478S)	703L (Hardisty 377S to HRT Express Tap)	96.0	143.0	83.1	86.6	97.4	101.5	14.9
7L130 (Vermilion 710S to Kitscoty 705S)	703L (Hardisty 377S to HRT Express Tap)	96.0	143.0	84.4	87.9	101.0	105.2	17.3
7L14 (Kitscoty 705S to Hill 751S)	703L (Hardisty 377S to HRT Express Tap)	96.0	143.0	85.3	88.8	102.0	106.2	17.4
7L42 (Hill 751S to Lloydminster 716S)	703L (Hardisty 377S to HRT Express Tap)	96.0	143.0	92.3	96.1	109.2	113.7	17.6
	472L (Metiskow 648S to 472AL)	150.0	165.0	131.7	87.8	155.1	103.4	15.6
	704L (Wainwright 51S to Tucuman 478S)	79.0	87.0	73.0	92.4	86.2	109.1	16.7
9L27 (Paintearth Creek 863S to Cordel 755S)	703L (Hardisty 377S to HRT Express Tap)	96.0	143.0	106.4	110.8	129.6	135.0	24.2
	472L (Metiskow 648S to 472AL)	150.0	165.0	147.3	98.2	176.0	117.3	19.1
	704L (Wainwright 51S to Tucuman 478S)	79.0	87.0	71.5	90.5	85.3	108.0	17.5
	1047L (Nilrem 574S to 1047AL Tap)	499.0	748.0	428.6	85.9	552.9	110.8	24.9
1060L (Paintearth 863S to P2555 Switching sub)	703L (Hardisty 377S to HRT Express Tap)	96.0	143.0	106.9	111.4	130.2	135.6	24.2
	472L (Metiskow 648S to 472AL)	150.0	165.0	147.8	98.6	176.6	117.7	19.1
	704L (Wainwright 51S to Tucuman 478S)	79.0	87.0	71.7	90.8	85.6	108.3	17.5
	1047L (Nilrem 574S to 1047AL Tap)	499.0	748.0	431.4	86.5	555.9	111.4	25.0
9L20 (Nevis 766S to Cordel 755S)	7L16 (Nevis 766S to Heatburg 948S)	127.5	160.0	128.3	100.6	132.7	104.1	3.5
	962L (Tinchebray 972S to Gaetz 87S)	831.4	831.4	932.0	112.1	1051.7	126.5	14.4
	9L16 (Tincherbray 972S to Goldeye Tap)	499.0	499.0	480.0	96.2	629.7	126.2	30.0
7L16 (Nevis 766S to Heatburg 948S)	703L (Hardisty 377S to HRT Express Tap)	96.0	143.0	82.8	86.2	96.9	100.9	14.7

Contingency (System Element Lost)	Details of Violation (Violation Observed On)	Normal Rating (MVA)	Emergency Rating (MVA)	Pre-Project Results		Post-Project Results		% Loading Difference (Post-Pre)
				Observed Power Flow (MVA)	% Loading	Observed Power Flow (MVA)	% Loading	
953L (Nilren 574S to Cordel 755S)	702L (Hardisty 377S to Sedgewick 137S)	91.0	100.0	77.9	85.6	106.7	117.3	31.7
	704L (Wainwright 51S to Tucuman 478S)	79.0	87.0	83.2	105.3	103.6	131.1	25.8
	9LX60 (Paintearth A863s to P2555)	442.0	613.0	331.2	74.9	442.4	100.1	25.2
Nilrem 574S Transformer T1	703L (Hardisty 377S to HRT Express Tap)	96.0	143.0	86.5	90.1	100.8	105.0	14.9
Nilrem 574S Transformer T2	703L (Hardisty 377S to HRT Express Tap)	96.0	143.0	86.5	90.1	100.8	105.0	14.9
7L25 (Rowley 768S to Michichi Creek 802S)	703L (Hardisty 377S to HRT Express Tap)	96.0	143.0	82.0	85.4	96.1	100.1	14.7
9L29 (Oakland 946S to Coyote Lake 963S)	7L16 (Nevis 766S to Heatburg 948S)	127.5	160.0	129.4	101.5	129.4	101.5	0.0
7L132 (Lanfine 959S to Oyen 767S)	703L (Hardisty 377S to HRT Express Tap)	96.0	143.0	82.8	86.2	97.4	101.5	15.3
9L80 (Battle River 757S to Cordel 755S)	703L (Hardisty 377S to HRT Express Tap)	96.0	143.0	85.4	89.0	99.0	103.1	14.1
	704L (Wainwright 51S to Tucuman 478S)	79.0	87.0	70.8	89.6	79.6	100.7	11.1
174L (North Holden 395S to Bardo 197S)	962L (Tinchebray 972S to Gaetz 87S)	831.4	831.4	747.4	89.9	834.7	100.4	10.5
963S T1 (Coyote Lake 963S Transformer T1)	7L16 (Nevis 766S to Heatburg 948S)	127.5	160.0	129.4	101.5	129.3	101.4	-0.1
912L (Nevis 766S to Red Deer 63S)	174L (Bardo 197S to North Holden 395S)	149.0	164.0	136.0	91.3	152.4	102.3	11.0
	704L (Wainwright 51S to Tucuman 478S)	79.0	87.0	67.7	85.7	79.4	100.5	14.8
	962L (Tinchebray 972S to Gaetz 87S)	831.4	831.4	1004.3	120.8	1131.5	136.1	15.3
	9L16 (Tincherbray 972S to Goldeye Tap)	499.0	499.0	541.4	108.5	694.1	139.1	30.6
	9L16 (Cordel 755S to Goldeye Tap)	499.0	499.0	407.8	81.7	557.4	111.7	30.0
962L/9L62 (Tinchebray 972S to Gaetz 87S)	174L (Bardo 197S to North Holden 395S)	149.0	164.0	162.3	108.9	181.2	121.6	12.7
	701L (North Hoden 395S to Strome 223S)	146.0	161.0	149.7	102.5	163.5	112.0	9.5
	704L (Wainwright 51S to Tucuman 478S)	79.0	87.0	77.5	98.1	90.5	114.6	16.5
	912L (Nevis 766S to Red Deer 63S)	624.0	624.0	840.5	134.7	953.5	152.8	18.1
	9L20 (Nevis 766S to Cordel 755S)	540.0	624.0	735.5	136.2	841.9	155.9	19.7

Contingency (System Element Lost)	Details of Violation (Violation Observed On)	Normal Rating (MVA)	Emergency Rating (MVA)	Pre-Project Results		Post-Project Results		% Loading Difference (Post-Pre)
				Observed Power Flow (MVA)	% Loading	Observed Power Flow (MVA)	% Loading	
Battle River Transformer T2	703L (Hardisty 377S to HRT Express Tap)	96.0	143.0	85.1	88.6	98.5	102.6	14.0
EATL	174L (Bardo 197S to North Holden 395S)	149.0	164.0	145.4	97.6	158.4	106.3	8.7
	703L (Hardisty 377S to HRT Express Tap)	96.0	143.0	93.1	96.9	108.3	112.8	15.9
	472L (Metiskow 648S to 472AL)	150.0	165.0	134.0	89.3	155.0	103.3	14.0
	704L (Wainwright 51S to Tucuman 478S)	79.0	87.0	81.7	103.4	93.2	118.0	14.6
	912L (Nevis 766S to Red Deer 63S)	624.0	624.0	564.4	90.5	636.5	102.0	11.6
	7L16 (Nevis 766S to Heatburg 948S)	127.5	160.0	132.1	103.6	132.9	104.2	0.6
	962L (Tinchebray 972S to Gaetz 87S)	831.4	831.4	906.2	109.0	1001.0	120.4	11.4
	9L59 (Tinchebray 972S to 9LA59)	499.0	499.0	543.9	109.0	523.5	104.9	-4.1
701L (Strome 223S to Battle River 757S)	962L (Tinchebray 972S to Gaetz 87S)	831.4	831.4	751.9	90.4	838.1	100.8	10.4
749L (Metiskow 648S to Edgerton 899S)	703L (Hardisty 377S to HRT Express Tap)	96.0	143.0	79.8	83.1	97.2	101.3	18.2
	704L (Wainwright 51S to Tucuman 478S)	79.0	87.0	75.7	95.8	88.6	112.1	16.3
749L (Edgerton 899S to Lloydminster 716S)	703L (Hardisty 377S to HRT Express Tap)	96.0	143.0	98.0	102.1	114.7	119.5	17.4
	472L (Metiskow 648S to 472AL)	150.0	165.0	137.2	91.5	160.7	107.1	15.6
	704L (Wainwright 51S to Tucuman 478S)	79.0	87.0	78.8	99.7	92.0	116.5	16.8
Edgerton 899S Transformer T1	703L (Hardisty 377S to HRT Express Tap)	96.0	143.0	99.5	103.6	116.3	121.1	17.5
	472L (Metiskow 648S to 472AL)	150.0	165.0	138.8	92.6	162.2	108.1	15.5
	704L (Wainwright 51S to Tucuman 478S)	79.0	87.0	80.3	101.7	93.6	118.5	16.8
715L (Hansman Lake 650S to Provost 545S)	749AL (749AL Tap to 749BL Tap)	148.0	163.0	176.4	119.2	154.1	104.1	-15.1
1047L (Hansman Lake 650S to Nilrem 574S)	703L (Hardisty 377S to HRT Express Tap)	96.0	143.0	154.2	160.6	197.3	205.5	44.9
	472L (Metiskow 648S to 472AL)	150.0	165.0	196.1	130.7	243.8	162.5	31.8
	703L (Hughenden 213S to HRT Express Tap)	145.0	160.0	159.4	109.9	202.9	139.9	30.0
	472L (Hughenden 213S to Sunken Lake 221S Tap)	148.0	163.0	163.4	110.4	206.9	139.8	29.4
9L59 (Anderson 801S to	703L (Hardisty 377S to HRT Express Tap)	96.0	143.0	89.8	93.6	103.0	107.3	13.7

Contingency (System Element Lost)	Details of Violation (Violation Observed On)	Normal Rating (MVA)	Emergency Rating (MVA)	Pre-Project Results		Post-Project Results		% Loading Difference (Post-Pre)
				Observed Power Flow (MVA)	% Loading	Observed Power Flow (MVA)	% Loading	
Tinchebray 972S)								
7L79 (Pemukan 932S to Ribstone Creek 892S)	703L (Hardisty 377S to HRT Express Tap)	96.0	143.0	82.5	86.0	96.6	100.6	14.7
9L24 (Oakland 946s - Lanfine 959s)	703L (Hardisty 377S to HRT Express Tap)	96.0	143.0	105.6	110.0	125.5	130.7	20.7
	472L (Metiskow 648S to 472AL)	150.0	165.0	145.8	97.2	171.8	114.5	17.3
	704L (Wainwright 51S to Tucuman 478S)	79.0	87.0	71.0	89.8	83.7	106.0	16.2
	Hansman Lake 650S SVC Transformer	200.0	200.0	238.6	119.3	207.4	103.7	-15.6
	7L760 (Oyen 767S to Bindloss 914S Tap)	146.6	167.7	169.2	115.4	204.8	139.7	24.3
	7L132 (Oyen 767S to Lanfine 959S)	140.9	171.5	189.4	134.4	226.8	161.0	26.6
	6L09 (Oyen 767S to Hanna 763S)	23.0	23.0	22.6	98.7	24.6	107.0	8.3
7L760 (Oyen 767S to Amoco Empress 163S)	703L (Hardisty 377S to HRT Express Tap)	96.0	143.0	81.9	85.4	96.5	100.5	15.2
9L93 (Tinchebray A972S to Halkirk 615S)	703L (Hardisty 377S to HRT Express Tap)	96.0	143.0	82.3	85.7	96.2	100.2	14.5

Voltage Criteria Violations

No voltage criteria violations were observed under Category B conditions.

POD Bus Voltage Deviations

No POD bus voltage deviations were observed.

3.1.4 Scenario 9: 2028 Summer Peak Low Generation Post-Project

Category A Conditions

Thermal criteria (as defined in Section 3.1 of Attachment A1) violations were observed under Category A conditions.

Table 3-13: Thermal Criteria Violations under Category A Conditions for Scenario 9

Contingency	Violation Location Details	Thermal Ratings (MVA)	Pre-Project Results	Post-Project Results	% Loading

(System Element Lost)		Normal Rating	Emergency Rating	Power Flow (MVA)	% Loading	Power Flow (MVA)	% Loading	Difference (Post-Pre)
None	715L (Hansman Lake 650S to 715AL Tap)	98	132.0	128.7	131.3	129.6	132.2	0.9
	749AL (749AL Tap to 749AAL Tap)	120.9	133.0	127.6	105.5	126.5	104.6	-0.9
	715L (715AL Tap to Cache Rising Sun MPC Solar)	98.0	108.0	128.9	131.5	129.8	132.4	0.9

Thermal criteria violations were observed under Category A conditions. Hence, Category A curtailments were conducted prior to commencing Category B studies. The most effective generators were scaled down to mitigate Category A overloads.

Updated generation dispatch values for Scenario 9 are shown in the table below.

Table 3-14: Generation Curtailment for Scenario 9

Generator Name	Bus Number	CSS (MW)	Dispatch (MW)
ABO Fox Meadows	560039	107.4	100.7
BluEarth Yarrow	560273	53.7	50.3
Cache Rising Solar	562046	100.1	60.1

Thermal criteria violations under Category A Conditions prior to and after generation curtailment for Scenario 3 are shown in the table below:

Table 3-15: Thermal Loading under Category A Conditions for Scenario 9 Post-Curtailment

Contingency (System Element Lost)	Details of Violation (Violation Observed On)	Seasonal Continuous Rating (MVA)	Short-term (Emergency) Rating (MVA)	Post-Project Results (Pre-Curtailment)		Post-Project Results (Post-Curtailment)	
				Power Flow (MVA)	% Loading	Power Flow (MVA)	% Loading
None	715L (Hansman Lake 650S to 715AL Tap)	98	132.0	129.6	132.2	93.8	95.7
	749AL (749AL Tap to 749AAL Tap)	120.9	133.0	126.5	104.6	116.5	96.3
	715L (715AL Tap to Cache Rising Sun MPC Solar)	98.0	108.0	129.8	132.4	94.1	96.0

Category B Conditions

Thermal Criteria Violations

Thermal criteria violations were observed under certain Category B conditions as shown in Table 3-16.

Table 3-16: Thermal Criteria Violations under Category B Conditions for Scenario 9

Contingency (System Element Lost)	Details of Violation (Violation Observed On)	Normal Rating (MVA)	Emergency Rating (MVA)	Pre-Project Results		Post-Project Results		% Loading Difference (Post-Pre)
				Observed Power Flow (MVA)	% Loading	Observed Power Flow (MVA)	% Loading	
885L (Metiskow 648S to Hansman Lake 650S)	749AL (749AL Tap to 749BL Tap)	120.9	133.0	138.2	114.3	136.1	112.6	-1.7
748L (Hayter 277S to Killarney Lake 267S)	715L (715AL Tap to 715BL Tap)	98.0	108.0	117.7	120.1	117.4	119.8	-0.3
966L (Hansman Lake 650S to Pemukan 932S)	7L224 (Hansman Lake 650S to Monitor 774S)	108.3	125.0	112.8	104.2	123.6	114.1	9.9
	7L127 (Pemukan 932S to Monitor 774S)	144.7	126.5	136.3	94.2	146.9	101.5	7.3
7L42 (Hill 751S to Lloydminster 716S)	715L (715AL Tap to 715BL Tap)	98.0	108.0	101.5	103.6	101.3	103.4	-0.2
962L/9L62 (Tinchebray 972S to Gaetz 87S)	912L (Nevis 766S to Red Deer 63S)	507.0	608.0	553.6	109.2	510.5	100.7	-8.5
	9L20 (Nevis 766S to Cordel 755S)	429.0	501.0	497.2	115.9	457.3	106.6	-9.3
749L (Metiskow 648S to Edgerton 899S)	715L (715AL Tap to 715BL Tap)	98.0	108.0	115.2	117.5	115.0	117.3	-0.2
749L (Edgerton 899S to Lloydminster 716S)	715L (715AL Tap to 715BL Tap)	98.0	108.0	105.7	107.9	105.5	107.7	-0.2
Edgerton 899S Transformer T1	715L (715AL Tap to 715BL Tap)	98.0	108.0	106.8	109.0	106.6	108.8	-0.2
Killarney Lake 267S Transformer T1	715L (715AL Tap to 715BL Tap)	98.0	108.0	117.9	120.3	117.7	120.1	-0.2
715L (Hansman Lake 650S to Provost 545S)	749AL (749AL Tap to 749BL Tap)	120.9	133.0	142.2	117.6	142.2	117.6	0.0
1047L (Hansman Lake 650S to Nilrem 574S)	703L (Hardisty 377S to HRT Express Tap)	96.0	133.0	125.4	130.6	108.4	112.9	-17.7
	472L (Metiskow 648S to 472AL)	121.0	133.0	163.7	135.3	146.3	120.9	-14.4

Voltage Criteria Violations

No voltage criteria violations were observed under Category B conditions.

POD Bus Voltage Deviations

No POD bus voltage deviations were observed.

3.1.5 Scenario 10: 2028 Winter Peak Low Generation Post-Project

Category A Conditions

No Reliability Criteria violations were observed under Category A conditions.

Category B Conditions

No Reliability Criteria violations were observed under Category B conditions.

3.1.6 Scenario 12: 2028 Summer Peak High Generation Post-Project - without CETO

Category A Conditions

Thermal criteria (as defined in Section 3.1 of Attachment A1) violations were observed under Category A conditions.

Table 3-17: Thermal Criteria Violations under Category A Conditions for Scenario 12

Contingency (System Element Lost)	Violation Location Details	Thermal Ratings (MVA)		Pre-Project Results		Post-Project Results		% Loading Difference (Post-Pre)
		Normal Rating	Emergency Rating	Power Flow (MVA)	% Loading	Power Flow (MVA)	% Loading	
None	174L (Bardo 197S to North Holden 395S)	85.1	133	88.8	104.3	96.0	112.8	8.5
	472L (Metiskow 648S to 472AL)	121	133	107.8	89.1	122.2	101	11.9
	715L (Hansman Lake 650S to 715AL Tap)	98	132	115.1	117.4	113.6	115.9	-1.5
	749AL (749AL Tap to ABO Fox Meadows Wind)	120.9	133	129.4	107.0	130.6	108	1.0
	715AL (715AL Tap to Cache Rising Sun MPC Solar)	98	108	115.1	117.4	113.6	115.9	-1.5
	912L (Nevis 766S to Red Deer 63S)	507	608	762.5	150.4	840.1	165.7	15.3
	9L20 (Nevis 766S to Cordel 755S)	429	501	671.8	156.6	749.0	174.6	18.0
	7L760 (Oyen 767S to Bindloss 914S Tap)	110.2	122.7	172.6	156.6	195.5	177.4	20.8
	7L132 (Oyen 767S to Lanfine 959S)	112.1	138	172.5	153.9	194.7	173.7	19.8

Thermal criteria violations were observed under Category A conditions. Hence, Category A curtailments were conducted prior to commencing Category B studies. The most effective generators were scaled down to mitigate Category A overloads.

Updated generation dispatch values for Scenario 12 are shown in the table below.

Table 3-18: Generation Curtailment for Scenario 12

Generator Name	Bus Number	CSS (MW)	Dispatch (MW)
ABO Fox Meadow	560039	106.2	96.9
BluEarth Yarrow	560273	53.1	48.5
Cache Rising Solar	562046	97.5	72.5
LAN1	60996	137.6	21.7
UK Solar East	561042, 562042	312.7	49.3
RESC Oyen	560032	250.0	39.4
HAL1	66435, 67435	104.7	35.7
HAL2	60467	140.7	35.7
Paintearth	61418, 62418	190.0	48.3
Eastvale	564092, 563092, 562092	142.3	36.9

Thermal criteria violations under Category A Conditions prior to and after generation curtailment for Scenario 12 are shown in the table below:

Table 3-19: Thermal Loading under Category A Conditions for Scenario 12 Post-Curtailment

Contingency (System Element Lost)	Details of Violation (Violation Observed On)	Seasonal Continuous Rating (MVA)	Short-term (Emergency) Rating (MVA)	Post-Project Results (Pre-Curtailment)		Post-Project Results (Post-Curtailment)	
				Power Flow (MVA)	% Loading	Power Flow (MVA)	% Loading
None	174L (Bardo 197S to North Holden 395S)	85.1	133	96.0	112.8	66.2	77.8
	472L (Metiskow 648S to 472AL)	121	133	122.2	101	100.9	83.4
	715L (Hansman Lake 650S to 715AL Tap)	98	132	113.6	115.9	93.0	94.9
	749AL (749AL Tap to ABO Fox Meadows Wind)	120.9	133	130.6	108	116.0	95.9
	715AL (715AL Tap to Cache Rising Sun MPC Solar)	98	108	113.6	115.9	93.0	94.9
	912L (Nevis 766S to Red Deer 63S)	507	608	840.1	165.7	473.7	93.4

Contingency (System Element Lost)	Details of Violation (Violation Observed On)	Seasonal Continuous Rating (MVA)	Short-term (Emergency) Rating (MVA)	Post-Project Results (Pre-Curtailment)		Post-Project Results (Post-Curtailment)	
				Power Flow (MVA)	% Loading	Power Flow (MVA)	% Loading
	9L20 (Nevis 766S to Cordel 755S)	429	501	749.0	174.6	410.3	95.7
	7L760 (Oyen 767S to Bindloss 914S Tap)	110.2	122.7	195.5	177.4	106.2	96.4
	7L132 (Oyen 767S to Lanfine 959S)	112.1	138	194.7	173.7	100.9	90.0

Category B Conditions

Thermal Criteria Violations

Thermal criteria violations were observed under certain Category B conditions as shown in Table 3-20.

Table 3-20: Thermal Criteria Violations under Category B Conditions for Scenario 12

Contingency (System Element Lost)	Details of Violation (Violation Observed On)	Normal Rating (MVA)	Emergency Rating (MVA)	Pre-Project Results		Post-Project Results		% Loading Difference (Post-Pre)
				Observed Power Flow (MVA)	% Loading	Observed Power Flow (MVA)	% Loading	
701L (North Hoden 395S to Strome 223S)	7L65 (Vegreville 709S to 7LA65)	109.3	121.7	102.3	93.6	117.0	107.0	13.4
885L (Metiskow 648S to Hansman Lake 650S)	749AL (749AL Tap to 749BL Tap)	120.9	133.0	126.7	104.8	130.6	108.0	3.2
748L (Hayter 277S to Killarney Lake 267S)	715L (715AL Tap to 715BL Tap)	98.0	108.0	112.2	114.5	112.3	114.6	0.1
7L42 (Hill 751S to Lloydminster 716S)	715L (715AL Tap to 715BL Tap)	98.0	108.0	99.0	101.0	99.0	101.0	0.0
766S T1 (Nevis 766S 240/138 kV Transformer)	7L128 (Coyote Lake 963S to 7LA128 Tap)	162.9	180.2	173.2	106.3	175.4	107.7	1.4
	9L20 (Nevis 766S to Cordel 755S)	429.0	501.0	328.6	76.6	430.3	100.3	23.7
9L20 (Nevis 766S to Cordel 755S)	174L (Bardo 197S to North Holden 395S)	121.0	133.0	132.4	109.4	162.3	134.1	24.7
	701L (North Hoden 395S to Strome 223S)	119.0	131.0	103.7	87.1	131.4	110.4	23.3

Contingency (System Element Lost)	Details of Violation (Violation Observed On)	Normal Rating (MVA)	Emergency Rating (MVA)	Pre-Project Results		Post-Project Results		% Loading Difference (Post-Pre)
				Observed Power Flow (MVA)	% Loading	Observed Power Flow (MVA)	% Loading	
	7L159 (Heatburg 948S to 7LA159 Tap)	107.3	123.6	104.2	97.0	115.6	107.7	10.7
	7L65 (Vegreville 709S to 7LA65)	109.3	121.7	98.1	89.8	112.9	103.3	13.5
	7L16 (Nevis 766S to Heatburg 948S)	107.3	119.8	101.6	94.7	113.0	105.3	10.6
	7L760 (Oyen 767S to Bindloss 914S Tap)	110.2	122.7	102.1	92.7	122.5	111.2	18.6
	7L132 (Oyen 767S to Lanfine 959S)	112.1	138.0	97.3	86.8	117.8	105.1	18.3
7L16 (Nevis 766S to Heatburg 948S)	7L128 (Coyote Lake 963S to 7LA128 Tap)	162.9	180.2	195.3	119.9	196.1	120.4	0.5
7L137 (Three Hills 770S to Rowley 768S)	7L128 (Coyote Lake 963S to 7LA128 Tap)	162.9	180.2	167.6	102.9	168.4	103.4	0.5
7L25 (Rowley 768S to Michichi Creek 802S)	7L128 (Coyote Lake 963S to 7LA128 Tap)	162.9	180.2	169.3	103.9	170.1	104.4	0.5
9L29 (Oakland 946S to Coyote Lake 963S)	7L159 (Heatburg 948S to 7LA159 Tap)	107.3	123.6	122.5	114.2	123.2	114.8	0.6
	7L16 (Nevis 766S to Heatburg 948S)	107.3	119.8	120.0	111.8	120.6	112.4	0.6
174L (North Holden 395S to Bardo 197S)	9L20 (Nevis 766S to Cordel 755S)	429.0	501.0	325.8	76.0	430.3	100.3	24.4
7L794 (Lac La Biche 157S to Whitby Lake 819S)	174L (Bardo 197S to North Holden 395S)	121.0	133.0	102.4	84.6	122.1	100.9	16.3
963S T1 (Coyote Lake 963S Transformer T1)	7L159 (Heatburg 948S to 7LA159 Tap)	107.3	123.6	122.5	114.2	123.2	114.8	0.6
	7L16 (Nevis 766S to Heatburg 948S)	107.3	119.8	120.0	111.8	120.6	112.4	0.6
912L (Nevis 766S to Red Deer 63S)	174L (Bardo 197S to North Holden 395S)	121.0	133.0	148.5	122.7	181.5	150.0	27.3
	701L (North Hoden 395S to Strome 223S)	119.0	131.0	121.1	101.8	152.7	128.3	26.5
	701L (Strome 223S to 7LA701 Tap)	141.8	169.0	129.0	90.9	160.7	113.3	22.4
	7L701L (Battle River 757S to 7LA701 Tap)	141.8	160.0	119.2	84.1	148.5	104.7	20.6

Contingency (System Element Lost)	Details of Violation (Violation Observed On)	Normal Rating (MVA)	Emergency Rating (MVA)	Pre-Project Results		Post-Project Results		% Loading Difference (Post-Pre)
				Observed Power Flow (MVA)	% Loading	Observed Power Flow (MVA)	% Loading	
	7L65 (Vegreville 709S to 7LA65)	109.3	121.7	103.1	94.3	118.7	108.6	14.3
	7L128 (Coyote Lake 963S to 7LA128 Tap)	162.9	180.2	175.8	107.9	183.9	112.9	5.0
	7L760 (Oyen 767S to Bindloss 914S Tap)	110.2	122.7	107.0	97.1	128.5	116.6	19.6
	7L132 (Oyen 767S to Lanfine 959S)	112.1	138.0	99.3	88.6	120.1	107.1	18.6
EATL	174L (Bardo 197S to North Holden 395S)	121.0	133.0	145.8	120.5	164.0	135.5	15.0
	701L (North Hoden 395S to Strome 223S)	119.0	131.0	121.9	102.4	138.0	116.0	13.6
	701L (Strome 223S to 7LA701 Tap)	141.8	169.0	129.8	91.5	145.9	102.9	11.4
	7L65 (Vegreville 709S to 7LA65)	109.3	121.7	106.6	97.5	116.7	106.8	9.3
	912L (Nevis 766S to Red Deer 63S)	507.0	608.0	545.0	107.5	652.5	128.7	21.2
	9L20 (Nevis 766S to Cordel 755S)	429.0	501.0	454.7	106.0	556.0	129.6	23.6
701L (Strome 223S to Battle River 757S)	7L65 (Vegreville 709S to 7LA65)	109.3	121.7	104.7	95.8	119.2	109.1	13.4
749L (Metiskow 648S to Edgerton 899S)	715L (715AL Tap to 715BL Tap)	98.0	108.0	109.6	111.8	109.7	111.9	0.1
749L (Edgerton 899S to Lloydminster 716S)	715L (715AL Tap to 715BL Tap)	98.0	108.0	103.1	105.2	103.1	105.2	0.0
Edgerton 899S Transformer T1	715L (715AL Tap to 715BL Tap)	98.0	108.0	104.1	106.2	104.1	106.2	0.0
Killarney Lake 267S Transformer T1	715L (715AL Tap to 715BL Tap)	98.0	108.0	112.3	114.6	112.3	114.6	0.0
715L (Hansman Lake 650S to Provost 545S)	749AL (749AL Tap to 749BL Tap)	120.9	133.0	142.8	118.1	142.8	118.1	0.0
1047L (Hansman Lake 650S to Nilrem 574S)	703L (Hardisty 377S to HRT Express Tap)	96.0	133.0	86.3	89.9	127.2	132.5	42.6
	472L (Metiskow 648S to 472AL)	121.0	133.0	122.1	100.9	165.8	137.0	36.1

Contingency (System Element Lost)	Details of Violation (Violation Observed On)	Normal Rating (MVA)	Emergency Rating (MVA)	Pre-Project Results		Post-Project Results		% Loading Difference (Post-Pre)
				Observed Power Flow (MVA)	% Loading	Observed Power Flow (MVA)	% Loading	
	703L (Hughenden 213S to HRT Express Tap)	121.0	133.0	89.1	73.7	130.1	107.5	33.8
	472L (Hughenden 213S to Sunken Lake 221S Tap)	120.0	132.0	92.6	77.1	133.7	111.4	34.3
9L24 (Oakland 946s - Lanfine 959s)	472L (Metiskow 648S to 472AL)	121.0	133.0	101.3	83.7	123.5	102.1	18.4
	7L128 (Coyote Lake 963S to 7LA128 Tap)	162.9	180.2	161.1	98.9	165.3	101.5	2.6
	9L20 (Nevis 766S to Cordel 755S)	429.0	501.0	324.9	75.7	432.4	100.8	25.1
	7L760 (Oyen 767S to Bindloss 914S Tap)	110.2	122.7	146.7	133.1	183.2	166.2	33.1
	7L132 (Oyen 767S to Lanfine 959S)	112.1	138.0	146.1	130.3	184.2	164.3	34.0
7L92 (Vegreville 709S to Whitby Lake 819S)	174L (Bardo 197S to North Holden 395S)	121.0	133.0	106.2	87.8	127.3	105.2	17.4

Voltage Criteria Violations

No voltage criteria violations were observed under Category B conditions.

POD Bus Voltage Deviations

No POD bus voltage deviations were observed.

3.2 Voltage Stability Studies

The voltage stability margin was met for all studied conditions.

3.2.1 Scenario 9: 2028 SP LG Post-Project

Voltage stability analysis was performed for the 2028 SP LG post-Project scenario. The reference load level for the Study Area is 659.9 MW. For Category B contingencies, the minimum incremental load transfer is 5% of the reference load, or 33.0 MW (0.05 x 659.9 MW = 33.0 MW), in order to meet the voltage stability criteria.

Table 3-21 provides the voltage stability study results under the Category A condition and for the five worst contingencies under Category B conditions. The voltage stability diagrams are provided in Attachment A4.

Table 3-21: Voltage Stability Study Results under Category B Conditions for Scenario 9

Contingency (System Element Lost)	From	To	Maximum Incremental Transfer (MW)	Meets Criteria?
N-0	System Normal		550	Yes
7L130	Vermilion 710S	Kitscoty 705S	250	Yes
7L14	Kitscoty 705S	Hill 751S	250	Yes
749L	Metiskow 648S	Edgerton 899S	275	Yes
Transformer, 899ST1	Edgerton 899S, 138/25 kV Transformer T1		300	Yes
Transformer, 932ST1	Pemukan 932S 240/138/25 kV Transformer T1		300	Yes

3.2.2 Scenario 10: 2028 WP LG Post-Project

Voltage stability analysis was performed for the 2028 WP LG post-Project scenario. The reference load level for the Study Area is 734.0 MW. For Category B contingencies, the minimum incremental load transfer is 5% of the reference load, or 36.7 MW (0.05 x 734.0 MW = 36.7 MW), in order to meet the voltage stability criteria.

Table 3-21 provides the voltage stability study results under the Category A condition and for the five worst contingencies under Category B conditions. The voltage stability diagrams are provided in Attachment A4.

Table 3-22: Voltage Stability Study Results under Category B Conditions for Scenario 10

Contingency (System Element Lost)	From	To	Maximum Incremental Transfer (MW)	Meets Criteria?
N-0	System Normal		500	Yes
749L	Metiskow 648S	Edgerton 899S	150	Yes
Transformer, 899ST1	Edgerton 899S, 138/25 kV Transformer T1		200	Yes
7L130	Vermilion 710S	Kitscoty 705S	200	Yes
7L14	Kitscoty 705S	Hill 751S	225	Yes

Contingency (System Element Lost)	From	To	Maximum Incremental Transfer (MW)	Meets Criteria?
Transformer, 932ST1	Pemukan 932S 240/138/25 kV Transformer T1		250	Yes

3.3 Transient Stability Studies

Transient stability studies were completed for Scenarios 6, 7, and 8.

The results did not indicate any transient stability concerns, and the system showed acceptable dynamic response to all Category B conditions studied, as shown in Table 3-23 to Table 3-25. The post-Project transient stability plots are provided in Attachment A5. The dynamic data and assumptions of all equipment proposed for the Facility are provided in Attachment A6.

Table 3-23: Transient Stability Study Results under Category B Conditions for Scenario 6

Studied Contingency	Fault Description and Location	Results
749L (Metiskow 648S - JCT. 749L - Killarney Lake 267S)	3-phase fault at Killarney lake 267S	Stable
	3-phase fault at Metiskow 648S	Stable
	3-phase fault at Edgerton 899S	Stable
748L (Killarney Lake 267S - Hayter 277S)	3-phase fault at Killarney lake 267S	Stable
	3-phase fault at Hayter 277S	Stable
398L (Hayter 277S – Provost 545S)	3-phase fault at Hayter 277S	Stable
	3-phase fault at Provost 545S	Stable
954L (Metiskow 648S - Hansman Lake 650S)	3-phase fault at Metiskow 648S	Stable
	3-phase fault at Hansman Lake 650S	Stable
885L (Metiskow 648S - Hansman Lake 650S)	3-phase fault at Metiskow 648S	Stable
	3-phase fault at Hansman Lake 650S	Stable
1047L (Nilrem 574S - Hansman Lake 650S)	3-phase fault at Nilrem 574S	Stable
	3-phase fault at Hansman Lake 650S	Stable
948L (Hansman Lake 650S - Paintearth 863S)	3-phase fault at Hansman Lake 650S	Stable
	3-phase fault at Paintearth 863S	Stable
715AL/715L (Provost 545S – Hansman Lake 650S)	3-phase fault at Hansman Lake 650S	Stable
	3-phase fault at Provost 545S	Stable
966L/9L966 (Hansman Lake 650S – Pemukan 932S)	3-phase fault at Hansman Lake 650S	Stable
	3-phase fault at Pemukan 932S	Stable
953L/9L953 (Nilrem 574S – Cordel 755S)	3-phase fault at Nilrem 574S	Stable
	3-phase fault at Cordel 755s	Stable
9L27 (Paintearth 863S – Cordel 755S)	3-phase fault at Paintearth 863S	Stable
	3-phase fault at Cordel 755S	Stable
9L16 (Cordel 755S – Tinchebray 973S)	3-phase fault at Cordel 755S	Stable

Studied Contingency	Fault Description and Location	Results
	3-phase fault at Tinchebray 973S	Stable
9L59 (Tinchebray 973S – Anderson 801S)	3-phase fault at Tinchebray 973S	Stable
	3-phase fault at Anderson 801S	Stable
9L20 (Nevis 766S – Cordel 755S)	3-phase fault at Cordel 755S	Stable
	3-phase fault at Nevis 766S	Stable
7L224 (Hansman Lake 650S – JCT. Eyre 558S – Monitor 774S)	3-phase fault at Hansman Lake 650S	Stable
	3-phase fault at Monitor 774S	Stable

Table 3-24: Transient Stability Study Results under Category B Conditions for Scenario 7

Studied Contingency	Fault Description and Location	Results
749L (Metiskow 648S - JCT. 749L - Killarney Lake 267S)	3-phase fault at Killarney lake 267S	Stable
	3-phase fault at Metiskow 648S	Stable
	3-phase fault at Edgerton 899S	Stable
748L (Killarney Lake 267S - Hayter 277S)	3-phase fault at Killarney lake 267S	Stable
	3-phase fault at Hayter 277S	Stable
398L (Hayter 277S – Provost 545S)	3-phase fault at Hayter 277S	Stable
	3-phase fault at Provost 545S	Stable
954L (Metiskow 648S - Hansman Lake 650S)	3-phase fault at Metiskow 648S	Stable
	3-phase fault at Hansman Lake 650S	Stable
885L (Metiskow 648S - Hansman Lake 650S)	3-phase fault at Metiskow 648S	Stable
	3-phase fault at Hansman Lake 650S	Stable
1047L (Nilrem 574S - Hansman Lake 650S)	3-phase fault at Nilrem 574S	Stable
	3-phase fault at Hansman Lake 650S	Stable
948L (Hansman Lake 650S - Paintearth 863S)	3-phase fault at Hansman Lake 650S	Stable
	3-phase fault at Paintearth 863S	Stable
715AL/715L (Provost 545S – Hansman Lake 650S)	3-phase fault at Hansman Lake 650S	Stable
	3-phase fault at Provost 545S	Stable
966L/9L966 (Hansman Lake 650S – Pemukan 932S)	3-phase fault at Hansman Lake 650S	Stable
	3-phase fault at Pemukan 932S	Stable
953L/9L953 (Nilrem 574S – Cordel 755S)	3-phase fault at Nilrem 574S	Stable
	3-phase fault at Cordel 755s	Stable
9L27 (Paintearth 863S – Cordel 755S)	3-phase fault at Paintearth 863S	Stable
	3-phase fault at Cordel 755S	Stable
9L16 (Cordel 755S – Tinchebray 973S)	3-phase fault at Cordel 755S	Stable
	3-phase fault at Tinchebray 973S	Stable

Studied Contingency	Fault Description and Location	Results
9L59 (Tinchebray 973S – Anderson 801S)	3-phase fault at Tinchebray 973S	Stable
	3-phase fault at Anderson 801S	Stable
9L20 (Nevis 766S – Cordel 755S)	3-phase fault at Cordel 755S	Stable
	3-phase fault at Nevis 766S	Stable
7L224 (Hansman Lake 650S – JCT. Eyre 558S – Monitor 774S)	3-phase fault at Hansman Lake 650S	Stable
	3-phase fault at Monitor 774S	Stable

Table 3-25: Transient Stability Study Results under Category B Conditions for Scenario 8

Studied Contingency	Fault Description and Location	Results
749L (Metiskow 648S - JCT. 749L - Killarney Lake 267S)	3-phase fault at Killarney lake 267S	Stable
	3-phase fault at Metiskow 648S	Stable
	3-phase fault at Edgerton 899S	Stable
748L (Killarney Lake 267S - Hayter 277S)	3-phase fault at Killarney lake 267S	Stable
	3-phase fault at Hayter 277S	Stable
398L (Hayter 277S – Provost 545S)	3-phase fault at Hayter 277S	Stable
	3-phase fault at Provost 545S	Stable
954L (Metiskow 648S - Hansman Lake 650S)	3-phase fault at Metiskow 648S	Stable
	3-phase fault at Hansman Lake 650S	Stable
885L (Metiskow 648S - Hansman Lake 650S)	3-phase fault at Metiskow 648S	Stable
	3-phase fault at Hansman Lake 650S	Stable
1047L (Nilrem 574S - Hansman Lake 650S)	3-phase fault at Nilrem 574S	Stable
	3-phase fault at Hansman Lake 650S	Stable
948L (Hansman Lake 650S - Paintearth 863S)	3-phase fault at Hansman Lake 650S	Stable
	3-phase fault at Paintearth 863S	Stable
715AL/715L (Provost 545S – Hansman Lake 650S)	3-phase fault at Hansman Lake 650S	Stable
	3-phase fault at Provost 545S	Stable
966L/9L966 (Hansman Lake 650S – Pemukan 932S)	3-phase fault at Hansman Lake 650S	Stable
	3-phase fault at Pemukan 932S	Stable
953L/9L953 (Nilrem 574S – Cordel 755S)	3-phase fault at Nilrem 574S	Stable
	3-phase fault at Cordel 755s	Stable
9L27 (Paintearth 863S – Cordel 755S)	3-phase fault at Paintearth 863S	Stable
	3-phase fault at Cordel 755S	Stable
9L16 (Cordel 755S – Tinchebray 973S)	3-phase fault at Cordel 755S	Stable
	3-phase fault at Tinchebray 973S	Stable
9L59 (Tinchebray 973S – Anderson 801S)	3-phase fault at Tinchebray 973S	Stable

Studied Contingency	Fault Description and Location	Results
	3-phase fault at Anderson 801S	Stable
9L20 (Nevis 766S – Cordel 755S)	3-phase fault at Cordel 755S	Stable
	3-phase fault at Nevis 766S	Stable
7L224 (Hansman Lake 650S – JCT. Eyre 558S – Monitor 774S)	3-phase fault at Hansman Lake 650S	Stable
	3-phase fault at Monitor 774S	Stable

4 Short Circuit Studies

4.1 Pre-Project Results

4.1.1 Scenario 3: 2028 WP HG Pre-Project

Pre-Project short-circuit current levels are provided in Table 4-1[1].

Table 4-1: Pre-Project Short-Circuit Current Levels for Scenario 3

Substation Name and Number	Base Voltage (kV)	Pre-Fault Voltage (kV)	3-Φ Fault (kA)	Positive Sequence Thevenin Source Impedance (R1+jX1) (pu)	1-Φ Fault (kA)	Zero Sequence Thevenin Source Impedance (R0+jX0) (pu)
Hunghenden 213S	138	141.3	5.58	0.028080+ j0.073997	4.09	0.037650+ j0.158578
Metiskow 648S	240	256.8	6.28	0.010437+ j0.041142	7.34	0.003183+ j0.020455
	138	140.9	8.74	0.013792+ j0.048634	9.43	0.004298+ j0.035344
Hansman Lake 650S	240	256.8	6.31	0.010387+ j0.040907	7.44	0.003016+ j0.019426
	138	141.0	8.73	0.013744+ j0.048720	9.48	0.004109+ j0.034442
Edgerton 899S	138	138.6	3.24	0.055316+ j0.121372	2.23	0.079980+ j0.301978
Provost 545S	138	141.1	4.98	0.030033+ j0.083278	3.77	0.040093+ j0.163154
Monitor 774S	138	148.7	6.32	0.018490+ j0.072108	7.27	0.006107+ j0.040101
Nilrem 574S	240	252.7	6.16	0.011041+ j0.040835	5.05	0.016343+ j0.065872
	138	142.2	9.14	0.012618+ j0.046819	7.69	0.016218+ j0.072188
Tucuman 478S	138	142.5	8.74	0.014418+ j0.048674	7.07	0.020584+ j0.082261
Paintearth 863S	240	250.9	7.74	0.006155+ j0.032719	6.53	0.011843+ j0.048914
Cordel 755S	240	250.2	13.58	0.003242+ j0.018600	14.03	0.001576+ j0.015702

4.2 Post-Project Results

4.2.1 Scenario 8: 2028 WP HG Post-Project

Post-Project short-circuit current levels for Scenario 6 are provided in Table 4-2.

[1] Short-circuit current studies were based on modeling information provided to the AESO by third parties. The authenticity of the modeling information has not been validated. Fault levels could change as a result of system developments, new customer connections, or additional generation in the area. It is recommended that these changes be monitored and fault levels reviewed to ensure that the fault levels are within equipment operating limits. The information provided in this study should not be used as the sole source of information for electrical equipment specifications or for the design of safety-grounding systems.

Table 4-2: Post-Project Short-Circuit Current Levels for Scenario 8

Substation Name and Number	Base Voltage (kV)	Pre-Fault Voltage (kV)	3-Φ Fault (kA)	Positive Sequence Thevenin Source Impedance (R1+jX1) (pu)	1-Φ Fault (kA)	Zero Sequence Thevenin Source Impedance (R0+jX0) (pu)
Hunghenden 213S	138	142.6	5.61	0.028197+ j0.074348	4.12	0.037702+ j0.158807
Metiskow 648S	240	256.8	6.33	0.010355+ j0.040850	7.39	0.003186+ j0.020412
	138	143.9	8.80	0.014049+ j0.049341	9.49	0.004425+ j0.035860
Hansman Lake 650S	240	256.8	6.37	0.010304+ j0.040617	7.50	0.003019+ j0.019386
	138	143.9	8.79	0.013997+ j0.049418	9.55	0.004222+ j0.034919
Edgerton 899S	138	141.9	3.31	0.055252+ j0.121769	2.28	0.080195+ j0.302975
Provost 545S	138	144.0	5.06	0.030096+ j0.083828	3.86	0.039075+ j0.161493
Monitor 774S	138	150.4	6.39	0.018390+ j0.072233	7.36	0.006107+ j0.040112
Nilrem 574S	240	251.8	6.16	0.011019+ j0.040785	5.05	0.016350+ j0.065891
	138	141.9	9.13	0.012601+ j0.046822	7.68	0.016225+ j0.072212
Tucuman 478S	138	142.2	8.74	0.014409+ j0.048698	7.06	0.020593+ j0.082293
Paintearth 863S	240	248.0	7.67	0.006157+ j0.032696	6.47	0.011843+ j0.048913
Cordel 755S	240	247.6	13.46	0.003252+ j0.018603	13.90	0.001576+ j0.015702
Dolcy 1148S	240	258.2	4.97	0.012243+ j0.052533	6.46	0.000935+ j0.013434

4.2.2 Scenario 11: 2033 WP HG Post-Project

Post-Project short-circuit current levels for Scenario 11 are provided in Table 4-3.

Table 4-3: Post-Project Short-Circuit Current Levels for Scenario 11

Substation Name and Number	Base Voltage (kV)	Pre-Fault Voltage (kV)	3-Φ Fault (kA)	Positive Sequence Thevenin Source Impedance (R1+jX1) (pu)	1-Φ Fault (kA)	Zero Sequence Thevenin Source Impedance (R0+jX0) (pu)
Hunghenden 213S	138	142.5	5.63	0.027518+ j0.072519	4.10	0.037356+ j0.157765
Metiskow 648S	240	256.8	6.42	0.009607+ j0.039431	7.46	0.003171+ j0.020398
	138	143.6	8.91	0.013256+ j0.047581	9.59	0.004274+ j0.035070
Hansman Lake 650S	240	256.8	6.46	0.009555+ j0.039194	7.57	0.003004+ j0.019372
	138	143.6	8.90	0.013208+ j0.047665	9.64	0.004097+ j0.034256
Edgerton 899S	138	145.0	3.32	0.056237+ j0.121362	2.38	0.074255+ j0.278611
Provost 545S	138	142.7	4.96	0.030189+ j0.082715	4.00	0.033524+ j0.142428
Monitor 774S	138	150.6	6.36	0.017673+ j0.070637	7.30	0.006104+ j0.040061
Nilrem 574S	240	254.2	6.23	0.010552+ j0.039971	5.07	0.016135+ j0.065640
	138	141.5	9.28	0.011895+ j0.045158	7.77	0.015599+ j0.070418

Substation Name and Number	Base Voltage (kV)	Pre-Fault Voltage (kV)	3-Φ Fault (kA)	Positive Sequence Thevenin Source Impedance (R1+jX1) (pu)	1-Φ Fault (kA)	Zero Sequence Thevenin Source Impedance (R0+jX0) (pu)
Tucuman 478S	138	141.7	8.86	0.013694+ j0.047008	7.13	0.019799+ j0.080328
Paintearth 863S	240	255.9	7.88	0.005976+ j0.032303	6.63	0.011835+ j0.048802
Cordel 755S	240	255.0	13.87	0.003126+ j0.018323	14.37	0.001552+ j0.015477
Dolcy 1148S	240	258.4	5.00	0.011508+ j0.051134	6.50	0.000934+ j0.013433

5 Mitigation Measure Development and Evaluation

The Studies Consultant, in consultation with the AESO, developed mitigation measures to address the system performance issues that were identified in the post-Project scenarios. Existing remedial action schemes (RASs) are described in Section 1.2.2 of Attachment A1.

5.1 Pre-Project

Pre-Project mitigation measures are summarized in Table 5-1.

Table 5-1: Pre-Project Mitigation Measures

Mitigation Measure	Location of Observed Violation	Contingency
Existing RAS 134	7L159 (Heatburg 948S to 7LA159 Tap)	9L29 (Oakland 946S to Coyote Lake 963S), or 963S T1 (Coyote Lake 963S Transformer T1)
	7L16 (Nevis 766S to Heatburg 948S)	
	174L (Bardo 197S to North Holden 395S)	912L (Nevis 766S to Red Deer 63S)
Existing RAS 199	7L159 (Heatburg 948S to 7LA159 Tap)	9L29 (Oakland 946S to Coyote Lake 963S)
	7L16 (Nevis 766S to Heatburg 948S)	
Existing RAS 215	9L16 (Tinchebray 972S to Goldeye Tap)	9L20 (Nevis 766S to Cordel 755S), or 912L (Nevis 766S to Red Deer 63S)
	962L (Tinchebray 972S to Gaetz 87S)	
RAS 211	962L (Tinchebray 972S to Gaetz 87S)	EATL, or 962L/9L62 (Tinchebray 972S to Gaetz 87S)
	912L (Nevis 766S to Red Deer 63S)	
Existing RAS 203[a]	7L128 (Coyote Lake 963S to 7LA128 Tap)	7L16 (Nevis 766S to Heatburg 948S)
Planned RAS 238[b]	7L760 (Oyen 767S to 7LA760 Tap)	9L24 (Oakland 946s - Lanfine 959s)
	7L132 (Oyen 767S to Lanfine 959S)	
Planned RAS 213	749AL (749AL Tap to 749AAL Tap)	715L (Hansman Lake 650S to Provost 545S), or 885L (Metiskow 648S to Hansman Lake 650S)
Real time operational practices	7L128 (Coyote Lake 963S to 7LA128 Tap)	766S T1 (Nevis 766S 240/138 kV Transformer), or 7L137 (Three Hills 770S to Rowley 768S), or 7L25 (Rowley 768S to Michichi Creek 802S), or 9L24 (Oakland 946S to Lanfine 959S)
	174L (Bardo 197S to North Holden 395S)	EATL, 912L (Nevis 766S to Red Deer 63S)
	7L159 (Heatburg 948S to 7LA159 Tap)	9L29 (Oakland 946S to Coyote Lake 963S), or 963S T1 (Coyote Lake 963S Transformer T1)
	7L16 (Nevis 766S to Heatburg 948S)	
	472L (Metiskow 648S to 472AL)	Edgerton 899S Transformer T1, or 1047L (Hansman Lake 650S to Nilrem 574S), or 9L24 (Oakland 946s - Lanfine 959s)
	715L (Hansman Lake 650S to 715AL Tap)	749L (Metiskow 648S to Edgerton 899S), or Edgerton 899S Transformer T1
	715L (715AL Tap 715BL Tap)	
	703L (Hardisty 377S to HRT Express Tap)	1047L (Hansman Lake 650S to Nilrem 574S)
	749AL (749AL Tap to 749AAL Tap)	885L (Metiskow 648S to Hansman Lake 650S)
	9L20 (Nevis 766S to Cordel 755S)	962L/9L62 (Tinchebray 972S to Gaetz 87S)
	912L (Nevis 766S to Red Deer 63S)	

Notes:

[a] Existing RAS 203 is an RAS proposed to the planned P2263.

[b] Planned RAS 238 is an RAS proposed to the planned P2356 and existing wind farm LAN1.

5.2 Post-Project

Post-Project mitigation measures are summarized in Table 5-2.

Table 5-2: Post-Project Mitigation Measures

Mitigation Measure	Location of Observed Violation	Contingency
Existing 134	174L (Bardo 197S to North Holden 395S)	9L20 (Nevis 766S to Cordel 755S), or 912L (Nevis 766S to Red Deer 63S)
	701L (North Hoden 395S to Strome 223S)	
	174L (Bardo 197S to North Holden 395S)	EATL
Existing RAS 215	9L16 (Tinchebray 972S to Goldeye Tap)	9L20 (Nevis 766S to Cordel 755S), or 912L (Nevis 766S to Red Deer 63S)
	962L (Tinchebray 972S to Gaetz 87S)	
RAS 211	704L (Wainwright 51S to Tucuman 478S)	953L/9L53 (Nilren 574S to Cordel 755S), or 749L (Metiskow 648S to Edgerton 899S), or 749L (Edgerton 899S to Lloydminster 716S), or Edgerton 899S Transformer T1
	702L (Hardisty 377S to Sedgewick 137S)	
	962L (Tinchebray 972S to Gaetz 87S)	EATL, or 962L/9L62 (Tinchebray 972S to Gaetz 87S)
	9L59 (Tichebray 972S to 9LA59 Tap)	
	912L (Nevis 766S to Red Deer 63S)	
Existing RAS 199	7L16 (Nevis 766S to Heatburg 948S)	9L29 (Oakland 946S to Coyote Lake 963S)
Planned RAS 213	749AL (749AL Tap to 749AAL Tap)	715L (Hansman Lake 650S to Provost 545S), or 885L (Metiskow 648S to Hansman Lake 650S)
	715L (715AL Tap to 715BL Tap)	749L (Metiskow 648S to Edgerton 899S)
Existing RAS 203	7L128 (Coyote Lake 963S to 7LA128 Tap)	7L16 (Nevis 766S to Heatburg 948S), or 912L (Nevis 766S to Red Deer 63S)
	7L16 (Nevis 766S to Heatburg 948S)	963S T1 (Coyote Lake 963S Transformer T1)
Modified Planned RAS 238[a]	472L (Hughenden 213S to 472AL Tap)	1047L (Hansman Lake 650S to Nilrem 574S), or 9L27 (Paintearth Creek 863S to Cordel 755S), or 1060L (Paintearth Creek 863S to P2555 Sub)
	472L (Metiskow 648S to 472AL Tap)	
	703L (Hughenden 213S to HRT Express)	
	7L760 (Oyen 767S to 7L760 Tap)	9L24 (Oakland 946S to Lanfine 959S)
	Hansman Lake 650S SVC Transformer	
	6L09 (Oyen 767S to Hanna 763S)	
	7L132 (Oyen 767S to Lanfine 959S)	
Real time operational practices	7L760 (Oyen 767S to 7L760 Tap)	9L20 (Nevis 766S to Cordel 755S), or 912L (Nevis 766S to Red Deer 63S), or 9L16 (Tincherbray 972S to Cordel 755S), or 9L20 (Nevis 766S to Cordel 755S), or 9L24 (Oakland 946S to Lanfine 959S)
	7L132 (Oyen 767S to Lanfine 959S)	
	912L (Nevis 766S to Red Deer 63S)	962L/9L62 (Tinchebray 972S to Gaetz 87S), or 174L (Bardo 197S to North Holden 395S)
	9L20 (Nevis 766S to Cordel 755S)	
	7L132 (Oyen 767S to Lanfine 959S)	

Mitigation Measure	Location of Observed Violation	Contingency
	174L (Bardo 197S to North Holden 395S)	
	9L16 (Tincherbray 972S to Goldeye Tap)	912L (Nevis 766S to Red Deer 63S), or 701L (North Hoden 395S to Strome 223S)
	962L/9L62 (Tinchebray 972S to Gaetz 87S)	
	7L224 (Hansman Lake 650S to Monitor 774S)	966L (Hansman Lake 650S to Pemukan 932S)
	703L (Hardisty 377S to HRT Express Tap)	1047L (Hansman Lake 650S to Nilrem 574S), or 681L (Hardisty 377S to Tucuman 478S), or 679L (Nilrem 574S to Tucuman 478S), or 680L (Nilrem 574S to Tucuman 478S), or 7L130 (Vermillion 710S to Kitscoty 705S), or 7L14 (Kitscoty 705S to Hill 751S), or 7L42 (Hill 751S to Lloydminster 716S), or Battle River Transformer T2, or 9L59 (Anderson 801S to Tinchebray 972S), or 7L59 (Pemukan 932S to Ribstone Creek 892S), or 9L93 (Tinchebray 972S to Halkirk 615S)
	174L (Bardo 197S to North Holden 395S)	9L20 (Nevis 766S to Cordel 755S), or 7L92 (Vegreville 709S to Whitby Lake 819S)
	704L (Wainwright 51S to Tucuman 478S)	EATL, or 749L (Metiskow 648S to Edgerton 899S), or 749L/7L749 (Edgerton 899S to Lloydminster 716S), or 7L42 (Hill 751S to Lloydminster 716S)
	9L59 (Tinchebray 972S to 9LA59)	EATL
	7L128 (Coyote Lake 963S to 7LA128 Tap)	766S T1 (Nevis 766S Transformer T1), or 7L137 (Three Hills 770S to Rowley 768S), or 7L25 (Rowley 768S to Michichi Creek 802S)
	7L16 (Nevis 766S to Heatburg 948S)	9L29 (Oakland 946S to Coyote Lake 963S), or 963S T1 (Coyote Lake 963S Transformer T1)
	7L159 (Heatburg 948S to 7LA159 Tap)	
	749AL (749AL Tap to 749BL Tap)	885L (Metiskow 648S to Hansman Lake 650S)
	7L65 (Vegreville 709S to 7LA65)	701L (North Hoden 395S to Strome 223S)
	715L (Hansman Lake 650S to 715AL Tap)	749L (Metiskow 648S to Edgerton 899S), Edgerton 899S Transformer T1
	704L (Wainwright 51S to Tucuman 478S)	
	715L (715AL Tap to Cache Rising Sun MPC Solar)	

Notes:

[a] "Modified" refers to adding the Project to the logic of the planned RAS238.

5.3 Evaluation of Mitigation Measures

This section describes the results of the power flow studies that were performed to assess the impact of the Project on the performance of the AIES following the implementation of proposed mitigation measures.

The post-mitigation measures studies were performed under Category B conditions for scenarios 6, 7, 8, 9, 12 using Alternative 1 and the RASs described in the previous section.

The post-mitigation power flow diagrams for selected Category B conditions are provided in Attachment A7. Post-mitigation power flow diagrams present only those post-Project contingencies that result in thermal criteria violations that require RAS mitigation. Post-Project contingencies that result in thermal criteria violations that can be mitigated by real-time operational practices or TFO capital maintenance projects were not studied.

5.3.1 Scenario 6: 2028 Summer Light High Generation Post-Project

Category B Conditions

Thermal criteria violations observed under certain Category B conditions in the post-Project studies were mitigated by RASs as shown in Table 5-3.

Table 5-3: Post-RAS Power Flow Study Results for Scenario 6

Contingency (System Element Lost)	Details of Violation (Violation Observed On)	Seasonal Continuous Rating (MVA)	Short-term (Emergency) Rating (MVA)	Post-Project Results		Post-RAS Action Results	
				Power Flow (MVA)	% Loading	Power Flow (MVA)	% Loading
9L20 (Nevis 766S to Cordel 755S)	9L16 (Tincherbray 972S to Goldeye Tap)	499.0	499.0	505.5	101.3	477.5	95.7
	7L760 (Oyen 767S to Bindloss 914S Tap)	110.2	122.7	110.8	100.5	101.7	92.3
953L (Nilren 574S to Cordel 755S)	702L (Hardisty 377S to Sedgewick 137S)	87.0	96.0	87.8	100.9	61.3	70.5
	704L (Wainwright 51S to Tucuman 478S)	75.0	83.0	87.7	116.9	63.4	84.5
	7L760 (Oyen 767S to Bindloss 914S Tap)	110.2	122.7	112.4	102.0	92.5	83.9
	7L132 (Oyen 767S to Lanfine 959S)	112.1	138.0	112.4	100.3	93.0	83.0
912L (Nevis 766S to Red Deer 63S)	9L16 (Tincherbray 972S to Goldeye Tap)	499.0	499.0	518.5	103.9	491.0	98.4
	7L760 (Oyen 767S to Bindloss 914S Tap)	110.2	122.7	111.9	101.5	102.7	93.2
1047L (Hansman Lake 650S to Nilrem 574S)	703L (Hardisty 377S to HRT Express Tap)	96.0	133.0	127.7	133.0	54.2	56.5
	472L (Metiskow 648S to 472AL)	121.0	133.0	150.5	124.4	74.1	61.2
	703L (Hughenden 213S to HRT Express Tap)	121.0	133.0	130.4	107.8	56.7	46.9
	472L (Hughenden 213S to Sunken Lake 221S Tap)	120.0	132.0	140.8	117.3	93.6	78.0

5.3.2 Scenario 7: 2028 Summer Peak High Generation Post-Project

Category B Conditions

Thermal criteria violations observed under certain Category B conditions in the post-Project studies were mitigated by RASs as shown in Table 5-4.

After RAS actions were complete, real-time operational practices are required to fully alleviate certain thermal criteria violations observed on 144 kV transmission lines 7L128, 7L760 and 7L132.

Table 5-4: Post-RAS Power Flow Study Results for Scenario 7

Contingency (System Element Lost)	Details of Violation (Violation Observed On)	Seasonal Continuous Rating (MVA)	Short-term (Emergency) Rating (MVA)	Post-Project Results		Post-RAS Action Results	
				Power Flow (MVA)	% Loading	Power Flow (MVA)	% Loading
7L16 (Nevis 766S to Heatburg 948S)	7L128 (Coyote Lake 963S to 7LA128 Tap)	162.9	180.2	196.6	120.7	103.6	63.6
912L (Nevis 766S to Red Deer 63S)	174L (Bardo 197S to North Holden 395S)	121.0	133.0	124.0	102.5	103.6	85.6
	7L128 (Coyote Lake 963S to 7LA128 Tap)	162.9	180.2	171.5	105.3	162.9	100.0[a]
	9L16 (Tincherbray 972S to Goldeye Tap)	499.0	499.0	534.4	107.1	492.5	98.7
	7L760 (Oyen 767S to Bindloss 914S Tap)	110.2	122.7	114.6	104.0	102.6	93.1
EATL	174L (Bardo 197S to North Holden 395S)	121.0	133.0	137.8	113.9	111.0	91.7
	7L65 (Vegreville 709S to 7LA65)	109.3	121.7	109.6	100.3	96.6	88.4
715L (Hansman Lake 650S to Provost 545S)	749AL (749AL Tap to 749BL Tap)	120.9	133.0	142.7	118.0	42.9	35.5
1047L (Hansman Lake 650S to Nilrem 574S)	703L (Hardisty 377S to HRT Express Tap)	96.0	133.0	130.0	135.4	53.5	55.7
	472L (Metiskow 648S to 472AL)	121.0	133.0	169.4	140.0	88.8	73.4
	703L (Hughenden 213S to HRT Express Tap)	121.0	133.0	133.0	109.9	56.1	46.4
	472L (Hughenden 213S to Sunken Lake 221S Tap)	120.0	132.0	136.7	113.9	85.1	70.9
9L24 (Oakland 946s - Lanfine 959s)	472L (Metiskow 648S to 472AL)	121.0	133.0	127.8	105.6	78.0	64.5
	7L128 (Coyote Lake 963S to 7LA128 Tap)	162.9	180.2	168.1	103.2	161.6	99.2
	7L760 (Oyen 767S to Bindloss 914S Tap)	110.2	122.7	189.9	172.3	138.6	125.8[a]
	7L132 (Oyen 767S to Lanfine 959S)	112.1	138.0	191.5	170.8	137.7	122.8[a]

Notes:

[a] Overloads remining after RAS action are mitigated by real-time operational practices, including pre-contingency curtailment.

5.3.3 Scenario 8: 2028 Winter Peak High Generation Post-Project

Category B Conditions

Thermal criteria violations observed under certain Category B conditions in the post-Project studies were mitigated by RASs as shown in Table 5-5.

After RAS actions were complete, real-time operational practices are required to fully alleviate certain thermal criteria violations observed on 240kV transmission lines 962L, 9L16, and 138/144 kV transmission lines 7L16, 702L, 703L, 704L, 7L132, and 472L.

Table 5-5: Post-RAS Power Flow Study Results for Scenario 8

Contingency (System Element Lost)	Details of Violation (Violation Observed On)	Seasonal Continuous Rating (MVA)	Short-term (Emergency) Rating (MVA)	Post-Project Results		Post-RAS Action Results	
				Power Flow (MVA)	% Loading	Power Flow (MVA)	% Loading
9L27 (Paintearth Creek 863S to Cordel 755S)	703L (Hardisty 377S to HRT Express Tap)	96.0	143.0	129.6	135.0	75.5	78.6
	472L (Metiskow 648S to 472AL)	150.0	165.0	176.0	117.3	120.9	80.6
	704L (Wainwright 51S to Tucuman 478S)	79.0	87.0	85.3	108.0	62.3	78.9
	1047L (Nilrem 574S to 1047AL Tap)	499.0	748.0	552.9	110.8	373.3	74.8
1060L (Paintearth 863S to P2555 Switching sub)	703L (Hardisty 377S to HRT Express Tap)	96.0	143.0	130.2	135.6	76.0	79.2
	472L (Metiskow 648S to 472AL)	150.0	165.0	176.6	117.7	121.5	81.0
	704L (Wainwright 51S to Tucuman 478S)	79.0	87.0	85.6	108.3	62.6	79.2
	1047L (Nilrem 574S to 1047AL Tap)	499.0	748.0	555.9	111.4	376.2	75.4
9L20 (Nevis 766S to Cordel 755S)	7L16 (Nevis 766S to Heatburg 948S)	127.5	160.0	132.7	104.1	128.6	100.9[a]
	962L (Tinchebray 972S to Gaetz 87S)	831.4	831.4	1051.7	126.5	855.5	102.9[a]
	9L16 (Tincherbray 972S to Goldeye Tap)	499.0	499.0	629.7	126.2	560.4	112.3[a]
953L (Nilren 574S to Cordel 755S)	702L (Hardisty 377S to Sedgewick 137S)	91.0	100.0	106.7	117.3	95.8	105.3[a]
	704L (Wainwright 51S to Tucuman 478S)	79.0	87.0	103.6	131.1	90.5	114.6[a]
	9LX60 (Paintearth A863s to P2555)	442.0	613.0	442.4	100.1	423.0	95.7
912L (Nevis 766S to Red Deer 63S)	174L (Bardo 197S to North Holden 395S)	149.0	164.0	152.4	102.3	135.1	90.7
	704L (Wainwright 51S to Tucuman 478S)	79.0	87.0	79.4	100.5	74.0	93.7

	962L (Tinchebray 972S to Gaetz 87S)	831.4	831.4	1131.5	136.1	927.0	111.5[a]
	9L16 (Tincherbray 972S to Goldeye Tap)	499.0	499.0	694.1	139.1	622.8	124.8[a]
	9L16 (Cordel 755S to Goldeye Tap)	499.0	499.0	557.4	111.7	622.8	124.8[a]
EATL	174L (Bardo 197S to North Holden 395S)	149.0	164.0	158.4	106.3	131.0	87.9
	703L (Hardisty 377S to HRT Express Tap)	96.0	143.0	108.3	112.8	89.4	93.1
	472L (Metiskow 648S to 472AL)	150.0	165.0	155.0	103.3	135.2	90.1
	704L (Wainwright 51S to Tucuman 478S)	79.0	87.0	93.2	118.0	75.1	95.0
	912L (Nevis 766S to Red Deer 63S)	624.0	624.0	636.5	102.0	457.4	73.3
	7L16 (Nevis 766S to Heatburg 948S)	127.5	160.0	132.9	104.2	105.6	82.8
	962L (Tinchebray 972S to Gaetz 87S)	831.4	831.4	1001.0	120.4	725.0	87.2
	9L59 (Tinchebray 972S to 9LA59)	499.0	499.0	523.5	104.9	426.1	85.4
749L (Metiskow 648S to Edgerton 899S)	703L (Hardisty 377S to HRT Express Tap)	96.0	143.0	97.2	101.3	99.6	103.7[a]
	704L (Wainwright 51S to Tucuman 478S)	79.0	87.0	88.6	112.1	76.9	97.3
749L (Edgerton 899S to Lloydminster 716S)	703L (Hardisty 377S to HRT Express Tap)	96.0	143.0	114.7	119.5	116.7	121.6[a]
	472L (Metiskow 648S to 472AL)	150.0	165.0	160.7	107.1	161.6	107.7[a]
	704L (Wainwright 51S to Tucuman 478S)	79.0	87.0	92.0	116.5	80.1	101.4[a]
Edgerton 899S Transformer T1	703L (Hardisty 377S to HRT Express Tap)	96.0	143.0	116.3	121.1	118.3	123.2[a]
	472L (Metiskow 648S to 472AL)	150.0	165.0	162.2	108.1	163.2	108.8[a]
	704L (Wainwright 51S to Tucuman 478S)	79.0	87.0	93.6	118.5	81.7	103.4[a]
1047L (Hansman Lake 650S to Nilrem 574S)	703L (Hardisty 377S to HRT Express Tap)	96.0	143.0	197.3	205.5	116.4	121.2[a]
	472L (Metiskow 648S to 472AL)	150.0	165.0	243.8	162.5	161.4	107.6[a]
	703L (Hughenden 213S to HRT Express Tap)	145.0	160.0	202.9	139.9	121.7	83.9
	472L (Hughenden 213S to Sunken Lake 221S Tap)	148.0	163.0	206.9	139.8	148.7	100.5[a]
	703L (Hardisty 377S to HRT Express Tap)	96.0	143.0	125.5	130.7	77.7	80.9

9L24 (Oakland 946s - Lanfine 959s)	472L (Metiskow 648S to 472AL)	150.0	165.0	171.8	114.5	122.4	81.6
	704L (Wainwright 51S to Tucuman 478S)	79.0	87.0	83.7	106.0	58.4	73.9
	Hansman Lake 650S SVC Transformer	200.0	200.0	207.4	103.7	165.6	82.8
	7L760 (Oyen 767S to Bindloss 914S Tap)	146.6	167.7	204.8	139.7	138.8	94.7
	7L132 (Oyen 767S to Lanfine 959S)	140.9	171.5	226.8	161.0	157.9	112.1[a]
	6L09 (Oyen 767S to Hanna 763S)	23.0	23.0	24.6	107.0	21.5	93.4

Notes:
[a] Overloads remining after RAS action are mitigated by real-time operational practices, including pre-contingency curtailment.

5.3.4 Scenario 9: 2028 Summer Peak Low Generation Post-Project

Category B Conditions

Thermal criteria violations observed under certain Category B conditions in the post-Project studies were mitigated by RASs as shown in Table 5-6.

After RAS actions were complete, real-time operational practices are required to fully alleviate certain thermal criteria violations observed on 138 kV transmission lines 472L.

Table 5-6: Post-RAS Power Flow Study Results for Scenario 9

Contingency (System Element Lost)	Details of Violation (Violation Observed On)	Seasonal Continuous Rating (MVA)	Short-term (Emergency) Rating (MVA)	Post-Project Results		Post-RAS Action Results	
				Power Flow (MVA)	% Loading	Power Flow (MVA)	% Loading
885L (Metiskow 648S to Hansman Lake 650S)	749AL (749AL Tap to 749BL Tap)	120.9	133.0	136.1	112.6	67.9	56.2
715L (Hansman Lake 650S to Provost 545S)	749AL (749AL Tap to 749BL Tap)	120.9	133.0	142.2	117.6	47.0	38.9
1047L (Hansman Lake 650S to Nilrem 574S)	703L (Hardisty 377S to HRT Express Tap)	96.0	133.0	108.4	112.9	89.8	93.5
1047L (Hansman Lake 650S to Nilrem 574S)	472L (Metiskow 648S to 472AL)	121.0	133.0	146.3	120.9	128.1	105.9[a]

Notes:
[a] Overloads remining after RAS action are mitigated by real-time operational practices, including pre-contingency curtailment.

5.3.5 Scenario 12: 2028 Summer Peak High Generation Post-Project - without CETO

Category B Conditions

Thermal criteria violations observed under certain Category B conditions in the post-Project studies were mitigated by RASs as shown in Table 5-7.

After RAS actions were complete, real-time operational practices are required to fully alleviate certain thermal criteria violations observed on 144 kV transmission line 7L13 and 138 kV transmission lines 715L and 174L.

Table 5-7: Post-RAS Power Flow Study Results for Scenario 12

Contingency (System Element Lost)	Details of Violation (Violation Observed On)	Seasonal Continuous Rating (MVA)	Short-term (Emergency) Rating (MVA)	Post-Project Results		Post-RAS Action Results	
				Power Flow (MVA)	% Loading	Power Flow (MVA)	% Loading
9L20 (Nevis 766S to Cordel 755S)	174L (Bardo 197S to North Holden 395S)	121.0	133.0	162.3	134.1	106.0	87.6
	701L (North Hoden 395S to Strome 223S)	119.0	131.0	131.4	110.4	76.4	64.2
	7L159 (Heatburg 948S to 7LA159 Tap)	107.3	123.6	115.6	107.7	65.0	60.6
	7L65 (Vegreville 709S to 7LA65)	109.3	121.7	112.9	103.3	88.8	81.2
	7L16 (Nevis 766S to Heatburg 948S)	107.3	119.8	113.0	105.3	62.6	58.3
	7L760 (Oyen 767S to Bindloss 914S Tap)	110.2	122.7	122.5	111.2	75.8	68.8
	7L132 (Oyen 767S to Lanfine 959S)	112.1	138.0	117.8	105.1	71.3	63.6
7L16 (Nevis 766S to Heatburg 948S)	7L128 (Coyote Lake 963S to 7LA128 Tap)	162.9	180.2	196.1	120.4	103.0	63.2
9L29 (Oakland 946S to Coyote Lake 963S)	7L159 (Heatburg 948S to 7LA159 Tap)	107.3	123.6	123.2	114.8	55.7	51.9
	7L16 (Nevis 766S to Heatburg 948S)	107.3	119.8	120.6	112.4	53.3	49.7
963S T1 (Coyote Lake 963S Transformer T1)	7L159 (Heatburg 948S to 7LA159 Tap)	107.3	123.6	123.2	114.8	84.0	78.3
	7L16 (Nevis 766S to Heatburg 948S)	107.3	119.8	120.6	112.4	81.5	76.0
912L (Nevis 766S to Red Deer 63S)	174L (Bardo 197S to North Holden 395S)	121.0	133.0	181.5	150.0	115.3	95.3

	701L (North Hoden 395S to Strome 223S)	119.0	131.0	152.7	128.3	86.4	72.6
	701L (Strome 223S to 7LA701 Tap)	141.8	169.0	160.7	113.3	94.2	66.4
	7L701L (Battle River 757S to 7LA701 Tap)	141.8	160.0	148.5	104.7	88.3	62.3
	7L65 (Vegreville 709S to 7LA65)	109.3	121.7	118.7	108.6	91.5	83.7
	7L128 (Coyote Lake 963S to 7LA128 Tap)	162.9	180.2	183.9	112.9	57.3	35.2
	7L760 (Oyen 767S to Bindloss 914S Tap)	110.2	122.7	128.5	116.6	78.4	71.1
	7L132 (Oyen 767S to Lanfine 959S)	112.1	138.0	120.1	107.1	72.0	64.2
EATL	174L (Bardo 197S to North Holden 395S)	121.0	133.0	164.0	135.5	103.1	85.2
	701L (North Hoden 395S to Strome 223S)	119.0	131.0	138.0	116.0	84.3	70.8
	701L (Strome 223S to 7LA701 Tap)	141.8	169.0	145.9	102.9	91.9	64.8
	7L65 (Vegreville 709S to 7LA65)	109.3	121.7	116.7	106.8	83.3	76.2
	912L (Nevis 766S to Red Deer 63S)	507.0	608.0	652.5	128.7	273.3	53.9
	9L20 (Nevis 766S to Cordel 755S)	429.0	501.0	556.0	129.6	221.4	51.6
749L (Metiskow 648S to Edgerton 899S)	715L (715AL Tap to 715BL Tap)	98.0	108.0	109.7	111.9	109.7	111.9[ab]
715L (Hansman Lake 650S to Provost 545S)	749AL (749AL Tap to 749BL Tap)	120.9	133.0	142.8	118.1	43.0	35.6
1047L (Hansman Lake 650S to Nilrem 574S)	703L (Hardisty 377S to HRT Express Tap)	96.0	133.0	127.2	132.5	53.1	55.3
	472L (Metiskow 648S to 472AL)	121.0	133.0	165.8	137.0	86.5	71.5
	703L (Hughenden 213S to HRT Express Tap)	121.0	133.0	130.1	107.5	55.7	46.0
	472L (Hughenden 213S to Sunken Lake 221S Tap)	120.0	132.0	133.7	111.4	84.1	70.1
	472L (Metiskow 648S to 472AL)	121.0	133.0	123.5	102.1	73.7	60.9

9L24 (Oakland 946s - Lanfine 959s)	7L128 (Coyote Lake 963S to 7LA128 Tap)	162.9	180.2	165.3	101.5	158.8	97.5
	9L20 (Nevis 766S to Cordel 755S)	429.0	501.0	432.4	100.8	267.3	62.3
	7L760 (Oyen 767S to Bindloss 914S Tap)	110.2	122.7	183.2	166.2	126.6	114.9[a]
	7L132 (Oyen 767S to Lanfine 959S)	112.1	138.0	184.2	164.3	125.2	111.7[a]

Notes:
[a] Overloads remining after RAS action are mitigated by real-time operational practices, including pre-contingency curtailment.
[b] The generation to be tripped by RAS213 is already offline at base case.

5.4 Constraint Effective Factor Studies

Constraint effective factor studies were conducted for all post-Project scenarios. The constraint effective factors were calculated for all Category A and Category B conditions when the loadings of the monitored transmission elements in the Study Area exceeded 100% (i.e., for all of the contingencies that resulted in thermal criteria violations). The results of the constraint effective factor studies are provided in Attachment A8.

Attachment A1
Engineering Connection Assessment: Study Scope

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Engineering Connection Assessment: Study Scope

P2553 Dolcy Solar Battery MPC

Dolcy Solar Inc.

Date: May 3, 2024

Version: V1

Classification: Public

Company Name	Name and Credentials	Date	Signature
AltaLink LP (Study Consulatnt)	Ryan Cui, P.Eng.	5/8/2024	DocuSigned by: Ryan Cui B82AB44B623F4A0...
AESO	Lin Li, P.Eng.	5/13/2024	DocuSigned by: Aidan Gannon F4B6B37E5B924E8...
Transmission Facility Owner	Aidan Gannon	5/13/2024	DocuSigned by: Margaret McKenna 4A50D8B40E3D4BC...
Westbridge Energy (Market Participant)	Margaret McKenna	5/13/2024	DocuSigned by: C4259FA9208B471...

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Attachment A: Transmission Planning Criteria – Basis and Assumptions

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1 Introduction

This Study Scope provides an overview of the engineering studies to be completed by AltaLink LP. (the Studies Consultant) to assess the impact of the Project (as defined in section 1.1) on the performance of the Alberta interconnected electric system (AIES). Technical criteria, assumptions and methods for performing these engineering studies are provided in this document.

1.1 Project Overview

Project overview is provided in Table 1-1.

Table 1-1: Project Overview

Market Participant	Type of Project	In-service Date (ISD)
Dolcy Solar Inc.	Connection (MPC)	April 1, 2028

Load and generation components of the Project are listed in Table 1-2.

Table 1-2: Project Load and Generation Details

Project Component		Description
Load	Existing Rate DTS, *Demand Transmission Service,* contract capacity	No existing contract
	Requested Rate DTS	102 MW
	Type	Battery Storage
	Motors (number and size)	Not Provided
	Power factor	Not Provided
	Future load expansion plans	No
Generation	Generation type	Solar energy
	Existing Rate STS, *Supply Transmission Service,* contract capacity	No existing contract
	Requested Rate STS	300 MW
	Number and size of generating units	To be determined
	Maximum authorized real power (MARP)	300 MW
	Maximum capability (MC)	300 MW
	Reactive power capability	0.95 pf absorbing
		0.9 pf producing

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Project Component		Description
	Future generation expansion plans	No

Note:

MARP and MC are defined in the AESO's *Consolidated Authoritative Document Glossary*, which can be found on the AESO's website.

1.2 Existing System Overview

1.2.1 Study Area

Geographically, the Project is located in the AESO planning area of Provost (Area 37) and in the Central Cluster.

The Study Area consists of the Lloydminster (Area 13), Wainwright (Area 32), Alliance/Battle River (Area 36), Provost (Area 37), Hanna (Area 42), and Vegreville (Area 56), including the tie lines connecting these planning areas to the rest of the AIES.

The existing transmission system in the Study Area is shown in Figure 1-1.

1.2.2 Existing Constraints

Existing constraints in the Study Area are managed in accordance with the procedures set out in Section 302.1 of the ISO rules, *Real Time Transmission Constraint Management* (TCM Rule).

There are a number of constraints in the Study Area that are mitigated by existing remedial action schemes (RASs) and/or other protection schemes.

The following existing RASs and/or other protection schemes are used to manage constraints in the area:

- APS 134: Central East Transfer Out Overload Mitigation Scheme
- APS 151: 223S Strome Low Voltage Mitigation
- APS 159: 936S Norberg Under Voltage Mitigation
- APS 199: 7L159-948S Overload Mitigation
- APS 200: 901T-801S Anderson Overload Mitigation
- APS 201: 7L224-774S Overload Mitigation Scheme
- APS 202: 7L171-804S Overload Mitigation
- APS 203: 7L128-963S Overload Mitigation
- APS 2064: Cordel (755S) 9L59 Overvoltage Protection
- APS 2080: Anderson (801S) 9L59 Overvoltage Protection
- APS 2106: Monitor Overvoltage Protection

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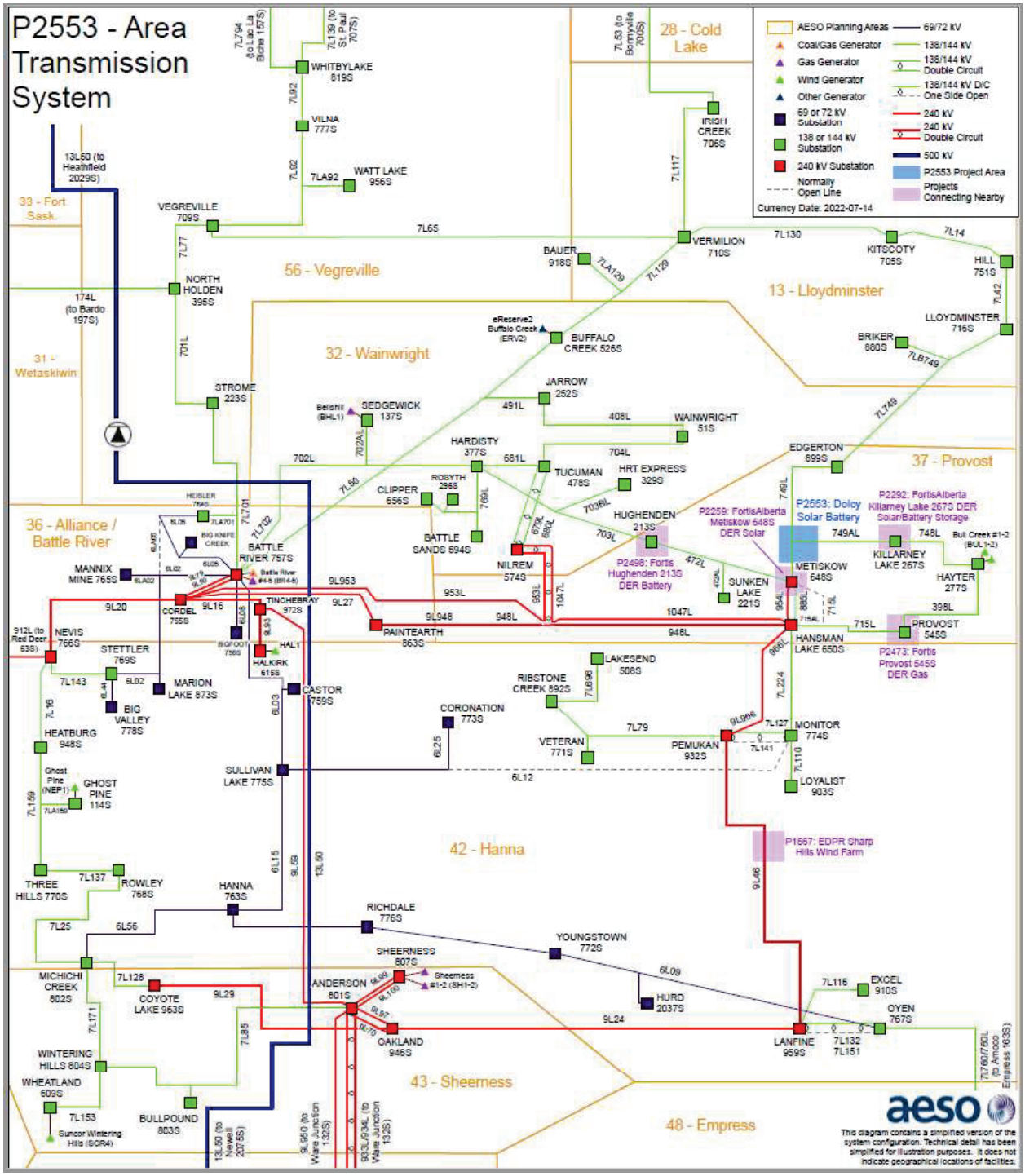
Figure 1-1: Transmission System in the Study Area



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2 Connection Alternative for Stage 3 to be Studied

The following alternative will be studied:

2.1 Alternative 7 – T-Tap connection to the existing 240 kV transmission line 948L

This alternative included the following developments:

- Add a 240 kV circuit, approximately 17 kilometers[1] in length, to connect the Facility to the existing transmission line 948L (between Hansman Lake 650S - Paintearth 863S) using a T-tap connection configuration; and
- Add or modify associated equipment as required for the above transmission developments.

The proposed connection configuration is shown in Figure 2-1.

[1] Exact line length to be determined by the TFO.

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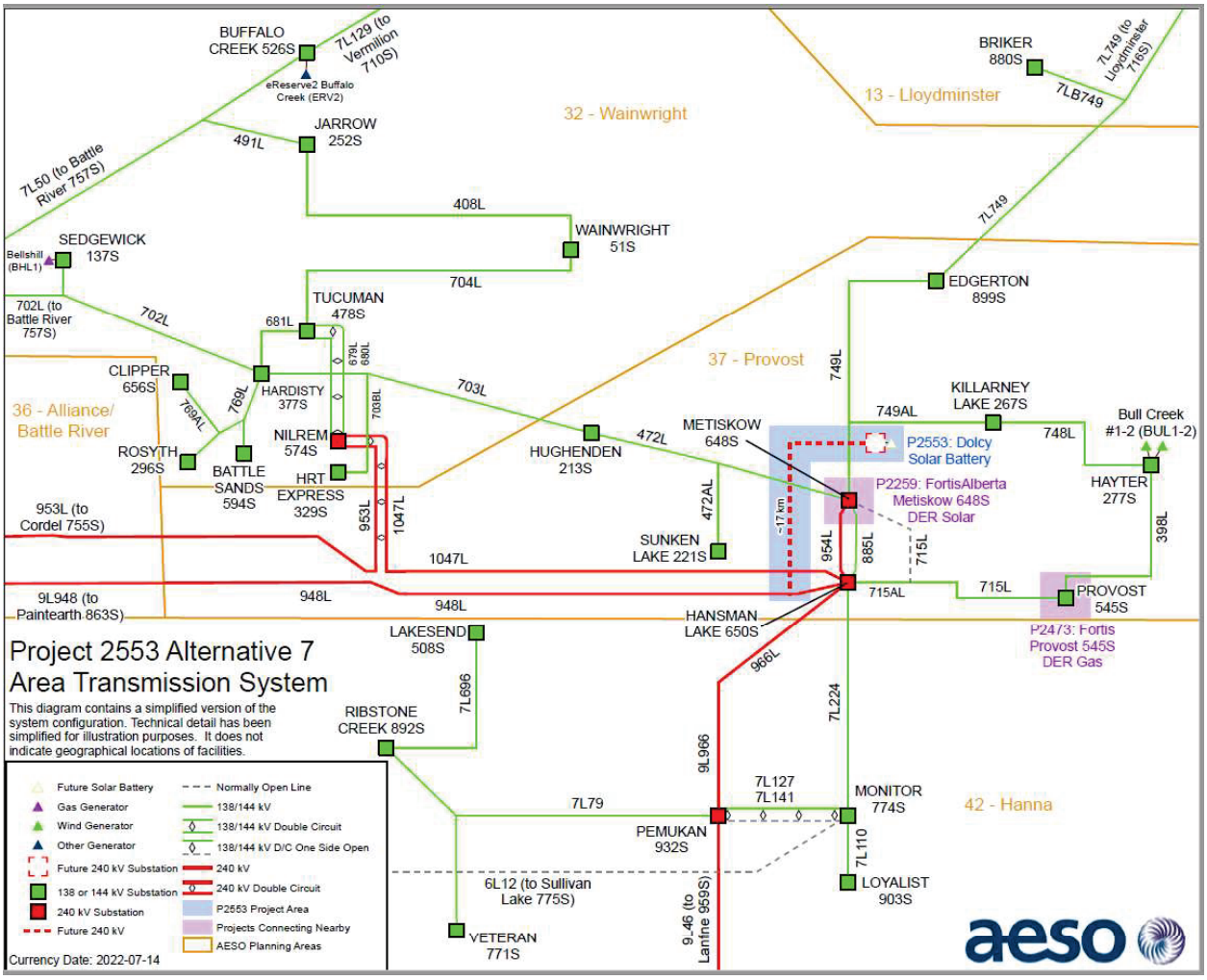
Figure 2-1: Connection Alternative 7



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3 Criteria, Standards and Requirements

3.1 AESO Reliability Criteria

The Transmission Planning (TPL) Standards, which are included in the Alberta Reliability Standards, and *Transmission Planning Criteria – Basis and Assumptions (see Attachment A),* (collectively, the Reliability Criteria) will be applied to evaluate system performance under Category A system conditions (i.e., all elements in-service) and following Category B contingencies (i.e., single element outage), prior to and following the studied alternatives. Below is a summary of Category A and Category B system conditions.

Category A, often referred to as the N-0 condition, represents a normal system with no contingencies and all facilities in service. Under this condition, the system must be able to supply all firm load and firm transfers to other areas. All equipment must operate within its applicable rating, voltages must be within their applicable range, and the system must be stable with no cascading outages.

Category B events, often referred to as an N-1 or N-G-1 with the most critical generator out of service, result in the loss of any single specified system element under specified fault conditions with normal clearing. These elements are a generator, a transmission circuit, a transformer, or a single pole of a DC transmission line. The acceptable impact on the system is the same as Category A. Planned or controlled interruptions of electric supply to radial customers or some local network customers, connected to or supplied by the faulted element or by the affected area, may occur in certain areas without impacting the overall reliability of the interconnected transmission systems. To prepare for the next contingency, system adjustments are permitted, including curtailments of contracted firm (non-recallable reserved) transmission service electric power transfers.

The TPL standards, TPL-001-AB-0 and TPL-002-AB1-0, have referenced Applicable Ratings when specifying the required system performance under Category A and Category B events. For the purpose of applying the TPL standards to the studies documented in this report, Applicable Ratings are defined as follows:

- Normal thermal rating of the line's loading limits for each season;
- The highest specified loading limits for transformers;
- For Category A conditions: Voltage range under normal operating condition per AESO Information Document #2010-007RS, *General Operating Practices – Voltage Control* (ID #2010-007RS). For the busses not listed in ID #2010-007RS, Table 2-1 in the *Transmission Planning Criteria – Basis and Assumptions* applies;
- For Category B conditions: The extreme voltage range values per Table 2-1 in the *Transmission Planning Criteria – Basis and Assumptions; and*
- Desired post-contingency voltage deviation limits for three defined post-event timeframes as provided in Table 3-1.

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Table 3-1: Post-Contingency Voltage Deviation Guidelines for Low Voltage Busses

Parameter and reference point	Time Period		
	Post Transient (up to 30 sec)	Post Auto Control (30 sec to 5 min)	Post Manual Control (Steady State)
Voltage deviation from steady state at point of delivery (POD) low voltage bus.	±10%	±7%	±5%

3.2 ISO Rules and Information Documents

ID #2010-007RS will be used to establish system normal (i.e., pre-contingency) voltage profiles for the Study Area.

The TCM Rule will be followed to set up the study scenarios and assess the impact of the Project. In addition, due regard will be given to the following:

- The AESO's *Connection Study Requirements*;
- Section 502.1 of the ISO rules, *Aggregated Generating Facilities Technical Requirements*;
- Section 502.16 of the ISO rules, *Aggregated Generating Facilities Operating Requirements*;

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4 Scenarios and Assumptions

4.1 Scenarios

The following section describes the scenarios to be studied and the assumptions to be used in the studies.

Connection scenarios must be studied as outlined in Table 4-1.

Table 4-1: Connection Study Scenarios Assumptions

Scenario No.	Year/Season	System Generation Dispatch Conditions	Scenario Name	Project Load (MW)	Project Generation (MW)
Pre-Project					
1	2028 Summer Light (SL)	High Generation (HG)	2028 SL HG Pre-Project	0	0
2	2028 Summer Peak (SP)	HG	2028 SP HG Pre-Project	0	0
3	2028 Winter Peak (WP)	HG	2028 WP HG Pre-Project	0	0
4	2028 Summer Peak (SP)	Low Generation (LG)	2028 SP LG Pre-Project	0	0
5	2028 Winter Peak (WP)	LG	2028 WP LG Pre-Project	0	0
Post-Project					
6	2028 SL	HG	2028 SL HG Post-Project	0	300
7	2028 SP	HG	2028 SP HG Post-Project	0	300
8	2028 WP	HG	2028 WP HG Post-Project	0	300
9	2028 SP	LG	2028 SP LG Post-Project	102	0
10	2028 WP	LG	2028 WP LG Post-Project	102	0
11	2033 WP	All study area generation in-service	2033 WP Post-Project	0	300
Post-Project Sensitivity without CETO online					
12	2028 SP	HG	2028 SP HG Post-Project Sensitivity	0	300

4.1.1 System Project Assumptions

Table 4-2 lists the system transmission projects that will be included in the studies.

Table 4-2: Planned System Transmission Projects to be Included in the Studies

AESO Project No.	Project Name/Description	Scheduled ISD	AUC NID Decision No.
CETO (ph1)[1]	Central East Transfer-out Transmission Development	2026	25469-D01-2021

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[1] The CETO Transmission Development phase 1 is considered in the study. Phase 1 includes one 240-kilovolt (kV) circuit between the Tinchebray 972S and Gaetz 87S substations.

4.1.2 Load Assumptions

The load forecast to be used for the studies is shown in *Table 4-3* and is a forecast for the AESO Central Cluster based on the AESO's Preliminary 2023 Long-term Outlook (2023 LTO).

Table 4-3: Forecast Load in Central Cluster

AESO Planning Region Name	Forecast Peak Load by Year/Season (MW)				
	2028 SP High Generation (HG)	2028 SL HG	2028 WP HG	2028 SP Low Generation (LG)	2028 WP LG
Central Planning Region [2]	1,848	1,736	2,081	1904	2,146
AIES	11,106	9,709	11,534	11,248	11,988

Note:
[2] The Central Region comprises the following AESO planning areas: Lloydminster (Area 13), Cold Lake (Area 28), Hinton/Edson (Area 29), Drayton Valley (Area 30), Wainwright (Area 32), Abraham Lake (Area 34), Red Deer (Area 35), Alliance/Battle River (Area 36), Provost (Area 37), Caroline (Area 38), Didsbury (Area 39), Hanna (Area 42) and Vegreville (Area 56).

4.1.3 Generation Assumptions

The generation forecast to be used for the studies is based on the 2023 LTO with modifications to incorporate the latest forecast intelligence. The generation assumptions for the studies will assume high Central generation dispatch for STS studies and low Central generation dispatch for DTS studies.

The existing generation (excluding wind and solar) dispatch conditions for the study scenarios are described in Table 4-4.

Table 4-4: Existing Generation (excluding Wind and Solar) Dispatch Conditions in the Central Cluster

Facility Name	Unit No.	Bus No.	MC (MW)	AESO Planning Area No.	Unit Net Generation[a] (MW) by Scenario				
					2028 SP HG	2028 SL HG	2028 WP HG	2028 SP LG	2028 WP LG
Battle River #4 (BR4)	4	1496	155	36	31	31	31	31	31
Battle River #5 (BR5)	G5	1497	385	36	94.8	94.8	94.8	N-G	N-G
Sheerness #1 (SH1)	G1	1482	400	43	140	140	140	140	140
Sheerness #2 (SH2)	G2	1487	390	43	140	140	140	140	140

Notes:
[a] MC refers to maximum capability of the generating unit(s).

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[b] SP HG or LG refers to Summer Peak High Generation or Low Generation (Low Wind) Scenarios.
[c] SL HG refers to Summer Light High Generation Scenario.
[d] WP HG or LG refers to Winter Peak High Generation or Low Generation (Low Wind) Scenarios.

Using this value, the wind and solar generation facilities will be dispatched to yield the credible worst-case generation dispatches for the Central Cluster. Pre- and post-Project dispatch levels for the existing and planned[2] wind and solar generation facilities are shown in Table 4-5 and Table 4-6.

Table 4-5: Dispatch Conditions for Existing and Planned Wind Generation Facilities in the Central Cluster

Project Name	AESO Planning Area No.	Bus No.	MC (MW)	2028 SP HG	2028 SL HG	2028 WP HG	2028 SP LG	2028 WP LG
Fortis Bull Creek Phases 1 and 2 (BUL1 & BUL2)	37	550003	29	10	2.9	10.2	9	0.1
		550004		11	5	13.7	12	0.4
Garden Plain (GDP1)	42	565002	130	130	85.3	130	25	4.1
Ghost Pine (NEP1)	42	2621	82	15	3.6	14.8	1	0.5
		2622		15	3.6	14.8	1	0.5
		2623		11	2.7	11.1	1	0.3
		2624		15	3.6	14.8	1	0.5
		2625		19	4.5	18.5	1	0.6
Grizzly Bear Creek (GRZ1)	13	67308	152	45	29.9	45	9	1.4
Halkirk (HAL1)	42	66435	150	69	53.9	70.2	22	0.3
		67435		72	56.1	73	23	0.3
Hand Hills (HHW1)	42	560045	145	115	57.1	92	11	7.6
Lanfine Wind (LAN1)	42	60996	151	138	103	145	61	7.5
EDPR Sharp Hills Wind Farm	42	60831	248.4	196	121.5	195.6	88	17
		60832		92	57.2	92.1	42	8
Paintearth Wind Power / Paintearth Wind Power Phase 2	42	61418	99	99	99	99	31	4.8
		62418	99	91	46.9	91	8	1.3
Lone Pine MPC Wind	42	561103	466	212	158.9	233	94	11.5
		561104		212	158.9	233	94	11.5
RESC Oyen MPC Wind	42	560032	250	250	192	250	52	7.9
Capital Power Halkirk 2 Wind	36	60467	150	141	110	143.2	44	0.6
ABO Fox Meadows Wind	37	560039	150	106	47	128.5	107	3.9
CP Rolling Hills MPC Wind	37	560235	190	135	59.5	162.7	136	5
BluEarth Prairie Yarrow MPC Wind	37	560273	222	53	23.5	64.2	54	2

Note:
[a] MC refers to maximum capability of the generating unit(s).
[b] SP HG or LG refers to Summer Peak High Generation or Low Generation (Low Wind) Scenarios.

[2] Planned generations refers to the projects which met inclusion criteria.

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[c] SL HG refers to Summer Light High Generation Scenario.
[d] WP HG or LG refers to Winter Peak High Generation or Low Generation (Low Wind) Scenarios.

Table 4-6: Dispatch Conditions for Existing and Planned Solar Generation Facilities in the Central Cluster

Project Name	AESO Planning Area No.	Bus No.	MC (MW)	2028 SP HG	2028 SL HG	2028 WP HG	2028 SP LG	2028 WP LG
Empress Solar Park (EMP1)	39	4366	21	18	17.7	9.7	18	0
		4266		13	12.8	7	13	0
Innisfail (INF1)	39	557120	22	8	7.7	6.2	13	0
Kneehill Solar (TRH1)	42	19433	25	0	0	0	21	0
		552433						
Michichi Creek (MCH1)	42	557448	13.5	11	0	5.9	12	0
Michichi Solar (MIC1)	42	554448	25	25	25	10.9	23	0
Youngstown Solar (YNG1)	42	19476	6	5	4.8	2.6	5	0
ATCO Michichi DER Solar	42	552448	75	19	22	16.4	20	0
		553448		22	22	16.4	23	0
		552450		16	11.3	0	19	0
ATCO Vilna 777S DER Solar	56	19357	5	0	0	0	0	0
RESC Big Sky Solar	56	560051	140	0	0	60.2	112	0
ATCO Oyen 767S DER Solar	42	19474	15	12	12.1	6.5	13	0
FortisAlberta Metiskow 648S DER Solar	37	557074	22.5	11	18.4	8.7	14	0
Phoenix MPC Solar	35	560362	299	72	119.7	56.6	92	0
		560365		72	119.7	56.6	92	0
Cache Rising Sun MPC Solar	37	562046	125	98	97.7	53.7	100	0
Kneehill MPC Solar	42	560106	450	176	175.9	96.7	180	0
		560103		176	175.9	96.7	180	0
Eastervale Solar Battery	37	564092	300	48	80.1	37.9	62	0
		563092		48	80.1	37.9	62	0
		562092		48	80.1	37.9	62	0
Fortis Aura Provost DER Solar	37	4086	22.5	11	18	8.5	14	0
UK Solar East MPC	42	561042	401	156	156.8	89.1	161	0
		562042		156	156.8	89.1	161	0
Sundre 575S DER Solar	38	4107	14.6	12	12.1	6.5	13	0
Mannix MPC Solar Battery	36	566011	59	0	0	0	36	0
Harvest Sky MPC Solar Battery	42	566013	15	0	0	0	0	0
		566014		0	0	0	0	0
Springbrook MPC Solar	35	568204	300	73	120.1	56.8	93	0

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		568207		73	120.1	56.8	93	0
FortisAlberta Killarney Lake 267S DER Solar/Battery Storage	37	4219	22.5	11	18	8.5	14	0
FortisAlberta Joffre 535S DER Solar 1	35	2886	25	0	0	0	0	0
FortisAlberta Joffre 535S DER Solar 2	35	2383	22	0	0	0	0	0
Fortis Moon Lake DER Solar	30	4028	18.4	9	14.7	7	11	0

Note:
[a] MC refers to generating unit maximum capability.
[b] SP HG or LG refers to Summer Peak High Generation or Low Generation (Low Wind) Scenarios.
[c] SL HG refers to Summer Light High Generation Scenario.
[d] WP HG or LG refers to Winter Peak High Generation or Low Generation (Low Wind) Scenarios.

4.1.4 Intertie Flow Assumptions

The intertie flow assumptions for the Alberta-British Columbia (AB-BC), Alberta-Saskatchewan (AB-SK), and Alberta-Montana (MATL) interties are shown in Table 4-7.

Table 4-7: Intertie Flows for all Study Scenarios

Scenario Name	Import (-) / Export (+) (MW) by Intertie		
	AB-BC	AB-SK	MATL
2028 SL HG	+868	0	+186
2028 SP HG	+851	+150	+186
2028 WP HG	+1091	+151	+186
2028 SP LG	+1130	+150	+186
2028 WP LG	-685	-99	-191

4.1.5 HVDC Power Order Assumptions

The Western Alberta Transmission Line (WATL) and the Eastern Alberta Transmission Line (EATL) are high-voltage direct current (HVDC) transmission lines. The HVDC power order assumptions for the studies will be set to minimize losses for the pre-Project and post-Project study scenarios.

4.1.6 Protection Fault Clearing Times

The transient stability studies will be performed using the actual fault clearing times for the selected contingencies, as provided by the TFO and as shown in Table 4-8. Only those contingencies shown in Table 4-8 will be studied for transient stability studies. If the TFO did not specify the fault clearing times (e.g. for new transmission lines) for a selected contingency, then the studies for that contingency will be performed using the standard fault clearing times that are specified in Table 2-3 of the AESO's *Transmission Planning Criteria – Basis and Assumptions*.

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Table 4-8: Protection Fault Clearing Times

Contingency (System Element Lost)	Fault Location	Clearing Times (Cycles)	
		Near End	Far End
749L (Metiskow 648S - JCT. 749L - Killarney Lake 267S)[3]	Killarney lake 267S	9	30
	Metiskow 648S	9	30
	Edgerton 899S	9	30
748L (Killarney Lake 267S - Hayter 277S)	Killarney lake 267S	9	30
	Hayter 277S	9	30
398L (Hayter 277S – Provost 545S)	Hayter 277S	9	30
	Provost 545S	9	30
954L (Metiskow 648S - Hansman Lake 650S)	Metiskow 648S	6	6
	Hansman Lake 650S	6	6
885L (Metiskow 648S - Hansman Lake 650S)	Metiskow 648S	9	30
	Hansman Lake 650S	9	30
1047L (Nilrem 574S - Hansman Lake 650S)	Nilrem 574S	6	6
	Hansman Lake 650S	6	6
948L (Hansman Lake 650S - Paintearth 863S)	Hansman Lake 650S	5	6
	Paintearth 863S	5	6
715AL/715L (Provost 545S – Hansman Lake 650S)	Hansman Lake 650S	9	30
	Provost 545S	9	30
966L/9L966 (Hansman Lake 650S – Pemukan 932S)	Hansman Lake 650S	5	6
	Pemukan 932S	5	6
953L/9L953 (Nilrem 574S – Cordel 755S)	Nilrem 574S	5	6
	Cordel 755s	5	6
9L27 (Paintearth 863S – Cordel 755S)	Paintearth 863S	5	6
	Cordel 755S	5	6
9L16 (Cordel 755S – Tinchebray 973S)	Cordel 755S	5	6
	Tinchebray 973S	5	6
9L59 (Tinchebray 973S – Anderson 801S)	Tinchebray 973S	5	6
	Anderson 801S	5	6

[3]The fault clearing time of 60 cycle will be assumed for the second far end.

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9L20 (Nevis 766S – Cordel 755S)	Cordel 755S	5	6
	Nevis 766S	5	6
7L224 (Hansman Lake 650S – JCT. Eyre 558S – Monitor 774S)	Hansman Lake 650S	9	30
	Monitor 774S	9	30

4.1.7 Project Dynamic Data

Dynamic data for the Project can be found in Attachment A7.

4.1.8 Voltage Profile Assumption

ID #2010-007RS will be used to establish system normal (i.e., pre-contingency) voltage profiles for key area busses prior to commencing any studies. Table 2-1 of the *Transmission Planning Criteria – Basis and Assumptions* applies for the busses not included in ID #2010-007RS. These voltages will be used to set the voltage profile for the study base cases prior to the power flow studies.

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5 Study Methodology

The studies to be performed for this connection assessment are identified in Table 5-1.

Table 5-1: Summary of the Studies to be Performed

Scenario No. and Name		Power Flow		Voltage Stability		Transient Stability		Motor Starting		Short Circuit
		Category		Category		Category		Category		Category A
		A	B	A	B	A	B	A	B	
Pre-Project										
1	2028 SL HG Pre-Project	X	X			X*	X*			
2	2028 SP HG Pre-Project	X	X			X*	X*			
3	2028 WP HG Pre-Project	X	X			X*	X*			X
4	2028 SP LG Pre-Project	X	X	X*	X*					
5	2028 WP LG Pre-Project	X	X	X*	X*					
Post-Project										
6	2028 SL HG Post-Project	X	X			X	X			
7	2028 SP HG Post-Project	X	X			X	X			
8	2028 WP HG Post-Project	X	X			X	X			X
9	2028 SP LG Post-Project	X	X	X	X					
10	2028 WP LG Post-Project	X	X	X	X					
11	2033 WP Post-Project									X
Post-Project Sensitivity without CETO online										
12	2028 SP HG Post-Project Sensitivity	X	X							

Note: Pre-Project transient studies will be conducted if Post-Project transient studies show stability issues. Pre-Project voltage stability studies will be conducted if Post-Project voltage stability studies show stability issues.

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For the engineering studies, all transmission facilities 69 kV and above within the Study Area and the transmission lines connecting these planning areas to neighboring planning areas will be studied and monitored to assess the impact of the Project on the performance of the AIES, including any violations of the Reliability Criteria (as defined in Section 3.1).

5.1 Study Case Validation

The study will be conducted on the AIES system model using the AESO's planning base cases. The seasonal light/peak scenarios will be studied as required. The base cases will be modified by the AESO to include the corresponding load and generation forecast information. The resulting cases, or seed cases, will be provided by the AESO to the Studies Consultant. These cases are provided in PSS/E v34. Upon request, the AESO can provide RAW and SEQ files. Software used by the Studies Consultant must be able to read and write these file types. Manual adjustments may be required to ensure full alignment with the details outlined in this Study Scope, as described in the process outlined below. The AESO will provide guidance to the Studies Consultant with regard to the setup of the study cases should any questions arise.

The expected process for the creation of acceptable study cases is as follows:

1. The AESO provides seed cases and any other applicable information required to the Studies Consultant.
2. If the cases show N-0 violations, AESO will work with the Studies Consultants to address the issues. The Studies Consultant verifies and makes adjustments as required to ensure the study cases represent the assumptions outlined within the Study Scope.
3. Upon creating the study cases, all the study cases are forwarded to the AESO for approval.
4. The Studies Consultant proceeds with the required engineering studies only after the study cases are approved by the AESO.

5.2 Power Flow Studies

Power flow studies will be performed to identify thermal and voltage criteria violations as per the Reliability Criteria, and any deviations from the limits listed in Table 3-1.

For information purposes, the Studies Consultant must also provide, as a separate file, a list of any transmission elements where the thermal loading exceeds 95% of the element's normal rating under Category A and Category B conditions.

For the Category B power flow studies, the transformer taps and switched shunt reactive compensating devices such as shunt capacitors and reactors will be locked and continuous shunt devices will be enabled.

Voltage deviations at point-of-delivery (POD) low voltage busses will also be assessed for both the pre-Project and post-Project networks by first locking all tap changers and area shunt reactive compensating devices to identify any post-transient voltage deviations above 10%. Second, tap changers will be allowed to move while shunt reactive compensating devices remained locked to determine if any voltage deviations above 7% would occur in the area. Third, all the taps and shunt reactive compensating devices will be allowed to adjust, and voltage deviations above 5% will be reported.

The scenarios to be studied are shown in Table 5-1.

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5.2.1 Contingencies to be Studied

Power flow studies will be performed for the Category A and all Category B conditions in the Study Area.

5.3 Voltage Stability Studies

The objective of the voltage stability studies is to determine the ability of the transmission system to maintain voltage stability margin at all busses under Category A and Category B conditions. The power-voltage (PV) curve is a representation of voltage change as a result of increased power transfer between two systems. The incremental transfers will be reported at the collapse point.

Voltage stability studies will be performed for the post-Project scenarios. For load connection projects, the load level modeled in post-Project scenarios is the same as, or higher than, in pre-Project scenarios. Therefore, voltage stability studies for pre-Project scenarios will only be performed if post-Project scenarios show voltage stability criteria violations.

Voltage stability studies will be performed according to the Western Electricity Coordinating Council (WECC) Voltage Stability Assessment Methodology. WECC voltage stability criteria states, for load areas, post-transient voltage stability margin is required for the area modeled at a minimum of 105% of the reference load level for Category A conditions and for Category B conditions. For this standard, the reference load level is the maximum established planned load.

Typically, voltage stability studies are carried out assuming the worst case scenarios in terms of loading. In this connection assessment, the voltage stability studies will be performed by increasing load in the AESO planning areas of Lloydminster (Area 13), Wainwright (Area 32), Provost (Area 37), Alliance/Battle River (Area 36), Vegreville (Area 56), and Hanna (Area 42) and increasing generation in Calgary (Area 6), Wabamun (Area 40) and Fort McMurray (Area 25).

5.4 Transient Stability Studies

The Genesee Unit #3 in Wabamun (Area 40) will be used as the reference for the studies.

The report presenting the results of the transient stability studies must provide response plots for several variables, including rotor angle, and active and reactive power output for the study area generating units. The results report must also provide the 500 kV, 240 kV and 138 kV bus voltage levels for substations near the point of connection. Other busses will be monitored and will be reported as determined by the results. The results report must also provide the key branch active and reactive power flow surrounding the Facility.

Transient stability studies will be performed for the post-Project scenarios as shown in Table 5-1. If any transient stability issues are observed, transient stability analysis will be performed for the corresponding pre-Project scenarios.

5.4.1 Contingencies to be Studied

Transient stability studies will be performed for the contingencies shown in Table 4-8

5.5 Short-Circuit Current Level Studies

A maximum fault level must be provided for the substations in the vicinity of the Project assuming normal system operation with all transmission elements in service and generation dispatched. Three-phase faults

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and single line-to-ground faults will be simulated. Polar coordinates and per-unit values will be used for reporting the results.

Winter peak scenarios will be used for the short-circuit studies.

Estimated maximum three-phase faults and single line-to-ground short-circuit current levels will be reported for the following substations:

- Nilrem 574S
- Paintearth 863S
- Metiskow 648S
- Hansman Lake 650S
- Cordel 755S
- Edgerton 899S
- Provost 545S
- Monitor 774S
- Hughenden 213S
- Dolcy 1148S (including in post-Project studies only)

Further sensitivity studies, in consultation with the TFO, may be required if the primary short-circuit analysis indicates a potential to exceed or approach the existing fault rating of the transmission facilities.

The scenarios to be studied are as shown in Table 5-1.

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6 Mitigation Measures

6.1 Development

Mitigation measures may be required if the post-Project study results identify system performance issues. Mitigation measures for the Project may involve modifying or adding real-time operational practices and/or remedial action schemes (RASs).

The Studies Consultant must notify the AESO of any system performance issues in a timely manner, following which the AESO Studies Engineer may instruct the Studies Consultant as follows:

- Develop tables showing the constraint effective factors[4] for generation or load based on thermal criteria violations that are observed.
- Collaborate with the AESO to propose changes, if any, to the connection alternatives that could remove the requirement for a RAS.
- Collaborate with the AESO to study modifications to existing and/or planned RASs, proposed by the AESO, to ensure the coordination of existing protection schemes with the addition of any proposed protection schemes.
- Collaborate with the AESO to identify and study new RASs, if any, that may be required to ensure system reliability is maintained after connecting the Project to the AIES.

The AESO Studies Engineer will work closely with the Studies Consultant and guide the development and/or modifications of the proposed mitigation measures to ensure system reliability, security and compliance with AESO ID #2018-018T, *Provision of System Access Service and the Connection Process*.

6.2 Evaluation

6.2.1 Post-Mitigation Studies

Studies to evaluate the effectiveness of mitigation measures, if required, will be performed in accordance with the technical criteria, assumptions, and methods provided in this Study Scope and in accordance with further instructions from the AESO.

6.2.2 Constraint Effective Factor Studies

Constraint effective factor analysis are used to determine the generator- and load- constraint effective factors and to identify the most effective generators or loads to manage the thermal criteria violations, if any, that are observed under Category A and/or Category B conditions.

[4] Constraint effective factor studies are performed to determine the generator- and load- constraint effective factors. Constraint effective factors are used to estimate the ability of generators and loads to manage transmission constraints. A generator's or load's constraint effective factor is defined as the change in power flow over a specific transmission line following a change in the generator's energy production or in the load's energy consumption. The greater the constraint effective factor, the more effective a generator or load can be in managing a thermal criteria violation on the specific transmission line.

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7 Changes to Study Assumptions

This study will utilize the AESO's planning base cases, which are based on the AESO's current corporate forecast (2023 LTO) with modifications to incorporate the latest forecast intelligence. Sensitivity studies or restudy may be required in the event of revisions to the AESO's corporate forecast, forecast intelligence, or other study assumptions. Additional engineering studies may also be required to assess new connection alternatives, changes to project ISD, or delays in proposed system developments. Any additional or revised study requirements shall be captured in a signed Study Scope Amendment document.

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Attachment A: Transmission Planning Criteria – Basis and Assumptions

Transmission Planning Criteria – Basis and Assumptions

Date: July 9, 2019

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1. Introduction

This document presents the reliability standards, criteria, and assumptions to be used as the basis for planning the Alberta Transmission System. The criteria, standards and assumptions identified in this document supersede those previously established.

2. Transmission Reliability Standards and Criteria[1]

The AESO applies the following Alberta Reliability Standards to ensure that the transmission system is planned to meet applicable performance requirements under a defined set of system conditions and contingencies. A brief description of each of these standards is given below:

1. **TPL-001-AB-0: System Performance Under Normal Conditions**

   Category A represents a normal system condition with all elements in service (N-0). All equipment must be within its applicable rating, voltages must be within their applicable ratings and the system must be stable with no cascading outages. Under Category A, electric supply to load cannot be interrupted and generating units cannot be removed from service.

2. **TPL-002-AB1-0: System Performance Following Loss of a Single BES Element**

   Category B events result in the loss of any single element (N-1) under specified fault conditions with normal clearing. The specified elements are a generating unit, a transmission circuit, a transformer or a single pole of a direct current transmission line. The acceptable impact on the system is the same as Category A with the exception that radial customers or some local network customers, including loads or generating units, are allowed to be disconnected from the system if they are connected through the faulted element. The loss of opportunity load or opportunity interchanges is allowed. No cascading can occur.

3. **TPL-003-AB-0: System Performance Following Loss of Two or More BES Elements**

   Category C events result in the loss of two or more bulk electric system elements (sequential, N-1-1 or concurrent, N-2) under specified fault conditions and include both normal and delayed fault clearing. All of the system limits for Category A and B events apply with the exception that planned and controlled loss of firm load, firm transfers and/or generation is acceptable provided there is no cascading.

4. **TPL-004-AB-0: System Performance Following Extreme BES Events**

   Category D represents a wide variety of extreme, rare and unpredictable events, which may result in the loss of load and generation in widespread areas. The system may not be able to reach a new stable steady state, which means a blackout is a possible outcome. The AESO needs to evaluate these events, at its discretion, for risks and consequences prior to creating mitigation plans.

5. **FAC-014-AB1-2: Establishing and Communicating System Operating Limits**

   The AESO is required to establish system operating limits where a contingency is not mitigated through construction of transmission facilities

[1] A complete description of the *Alberta Reliability Standards* can be found on the AESO's website: https://www.aeso.ca/rules-standards-and-tariff/alberta-reliability-standards/

2.1 Thermal Loading Criteria

The AESO Thermal Loading Criteria require that the continuous thermal rating of any transmission element is not exceeded under normal and post-contingency operating conditions. Thermal limits are assumed to be 100% of the respective normal summer and winter ratings. Emergency limits are not considered in the planning evaluations.

2.2 Voltage Range and Voltage Stability Criteria

The normal minimum and maximum voltage limits as specified in the following table are used to identify Category A system voltage violations, while the extreme minimum and maximum limits are used to identify Category B and C system violations. Table 2-1 presents the acceptable steady state and contingency state voltage ranges for the AIES. Table 2-2 provides voltage stability criteria used to test the system performance.

Table 2-1: Acceptable Range of Steady State Voltage (kV)

Nominal Voltage	Extreme Minimum	Normal Minimum	Normal Maximum	Extreme Maximum
500	475	500	525	550
240	216	234	252	264
260 (Northeast & Northwest)*	234	247	266	275
144	130	137	151	155
138	124	135	145	150
72	65	68.5	75.5	79
69	62	65.5	72.5	76

Table 2-2: Voltage Stability Criteria

Performance Level	Disturbance (1)(2)(3)(4) Initiated by: Fault of No Fault DC Disturbance	MW Margin (P-V method) (5)(6)(7)	MVAr Margin (V-Q method) (6)(7)
A	Any element such as: One Generator One Circuit One Transformer One Reactive Power Source One DC Monopole	≥5%	Worst Case Scenario(8)
B	Bus Section	≥5%	50% of Margin Requirement in Level A
C	Any combination of two elements such as: A Line and a Generator A Line and a Reactive Power Source Two Generators Two Circuits Two Transformers Two Reactive Power Sources DC Bipole	≥2.5%	50% of Margin Requirement in Level A
D	Any combination of three or more elements such as: Three or More Circuits on ROW Entire Substation Entire Plant Including Switchyard	> 0	> 0

2.3 Transient Stability Analysis Assumptions

Standard fault clearing times as shown in Table 2-3 are used for the new facilities or when the actual clearing times are not available for the existing facilities. Double line-to-ground faults are applied for the Category C5 events with normal clearing times. Single line-to-ground faults are applied for Category C6 to C9 events with delayed clearing times as depicted in Table 2-4 and Table 2-5.

Table 2-3: Fault Clearing Times

Nominal (kV)	Near End (Cycles)	Far End (Cycles)
500	4	5
240	5	6
144/138 with telecommunications	6	8
144/138 without telecommunications	6	30

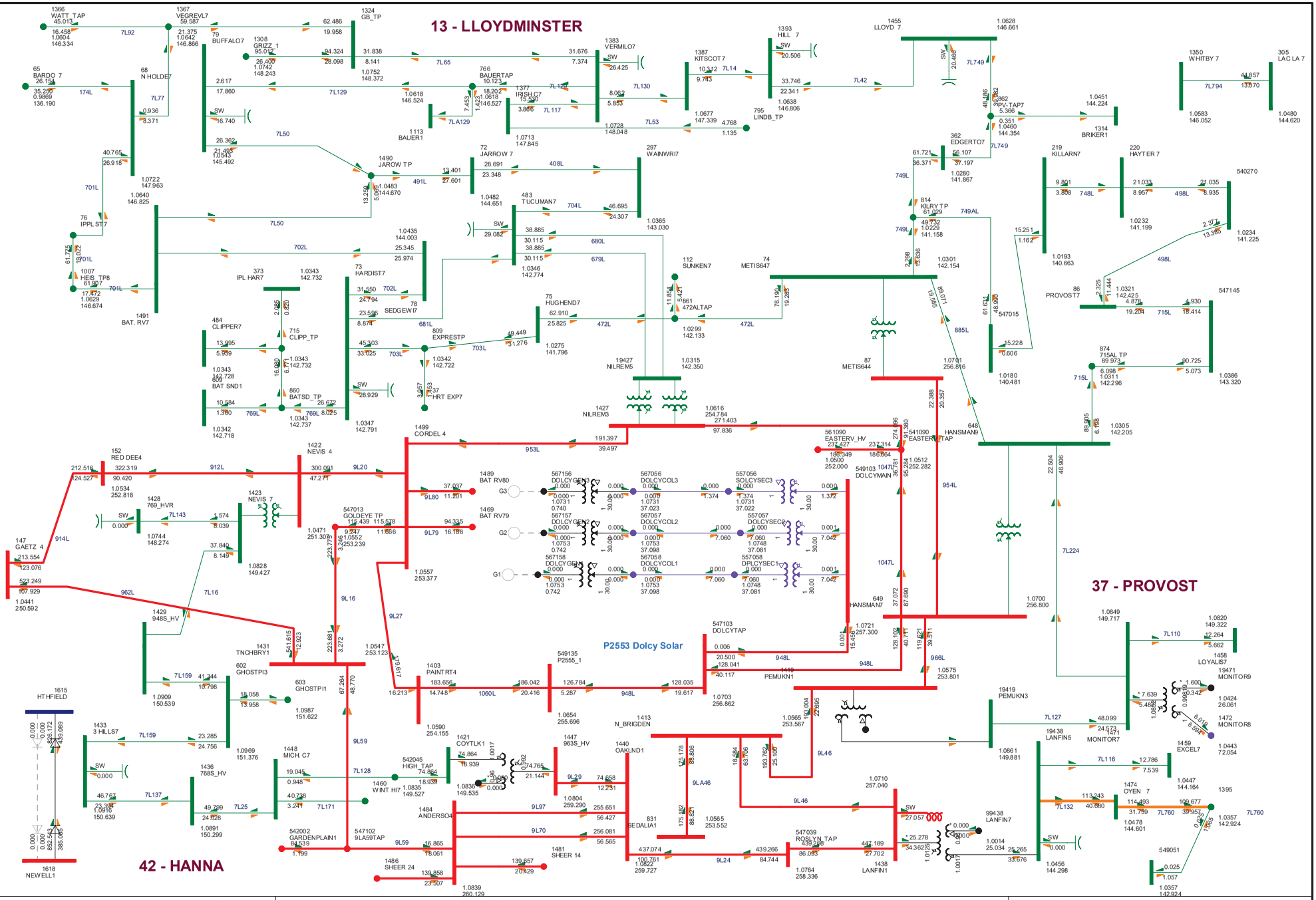
Table 2-4: Stuck Breaker Clearing Times for Lines

Voltage (kV)	Fault Clearing Times (Cycles)		
	Near End	Far End	2nd Ckt (C5 and C7 only)
138/144	15	24	24
240	12	6	14
500	9	5	11

Table 2-5: Stuck Breaker Clearing Times for Transformers

Voltage (kV)	Fault Location	Fault Clearing Times (Cycles)		
		High Side	Low Side	2nd Ckt (breaker fail)
240/138	240 kV side	12	6	14
	138 kV side	5	15	24
500/240	500 kV side	9	5	11
	240 kV side	4	12	14

Attachment A2
Pre-Project Power Flow Diagrams

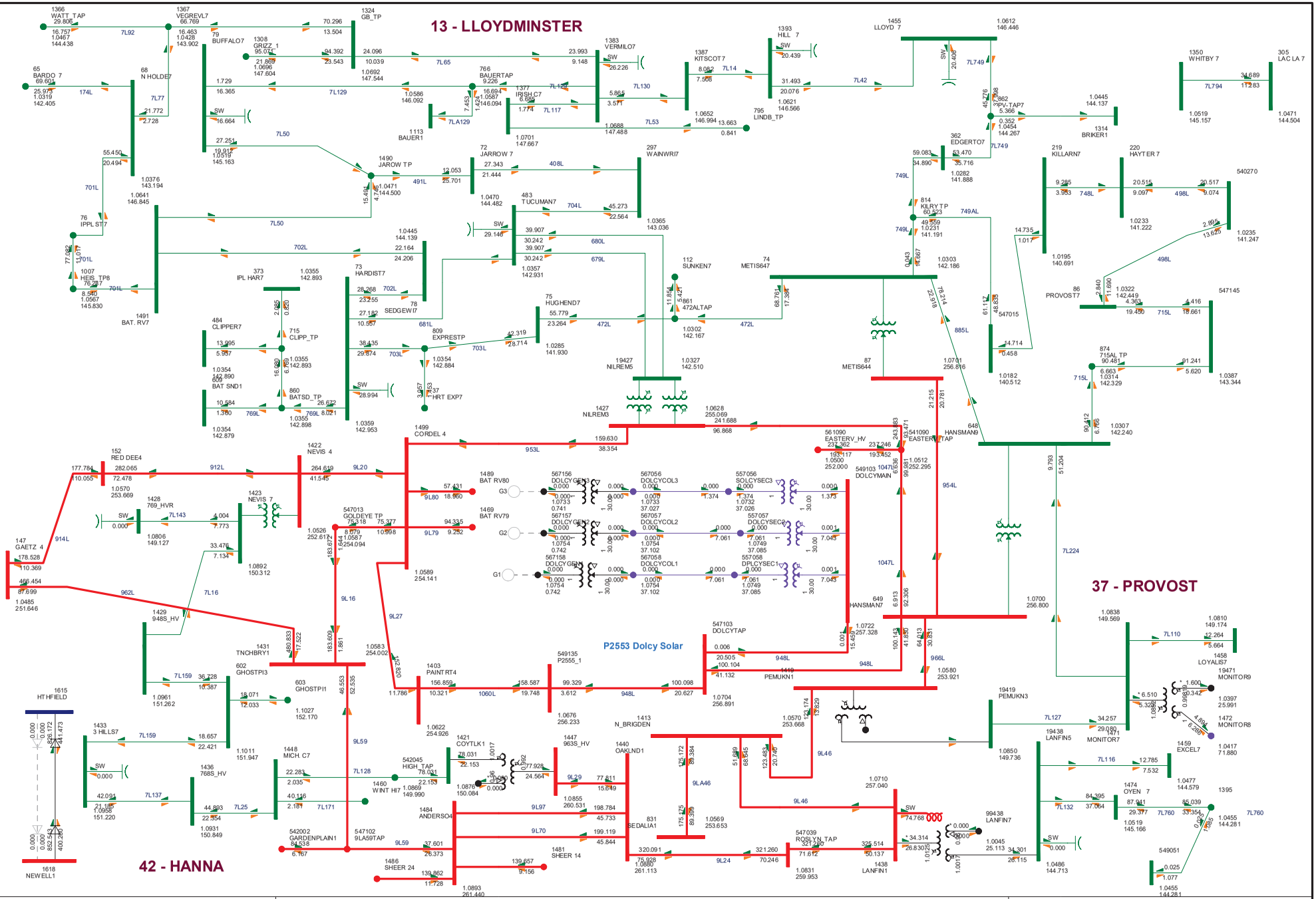


P2553 Dolcy Solar Battery MPC

FIGURE A2.1-0a-N-0: NORMAL OPERATION
2028 SUMMER LIGHT HG (PRE-CONNECTION), Pre-Curtailment
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

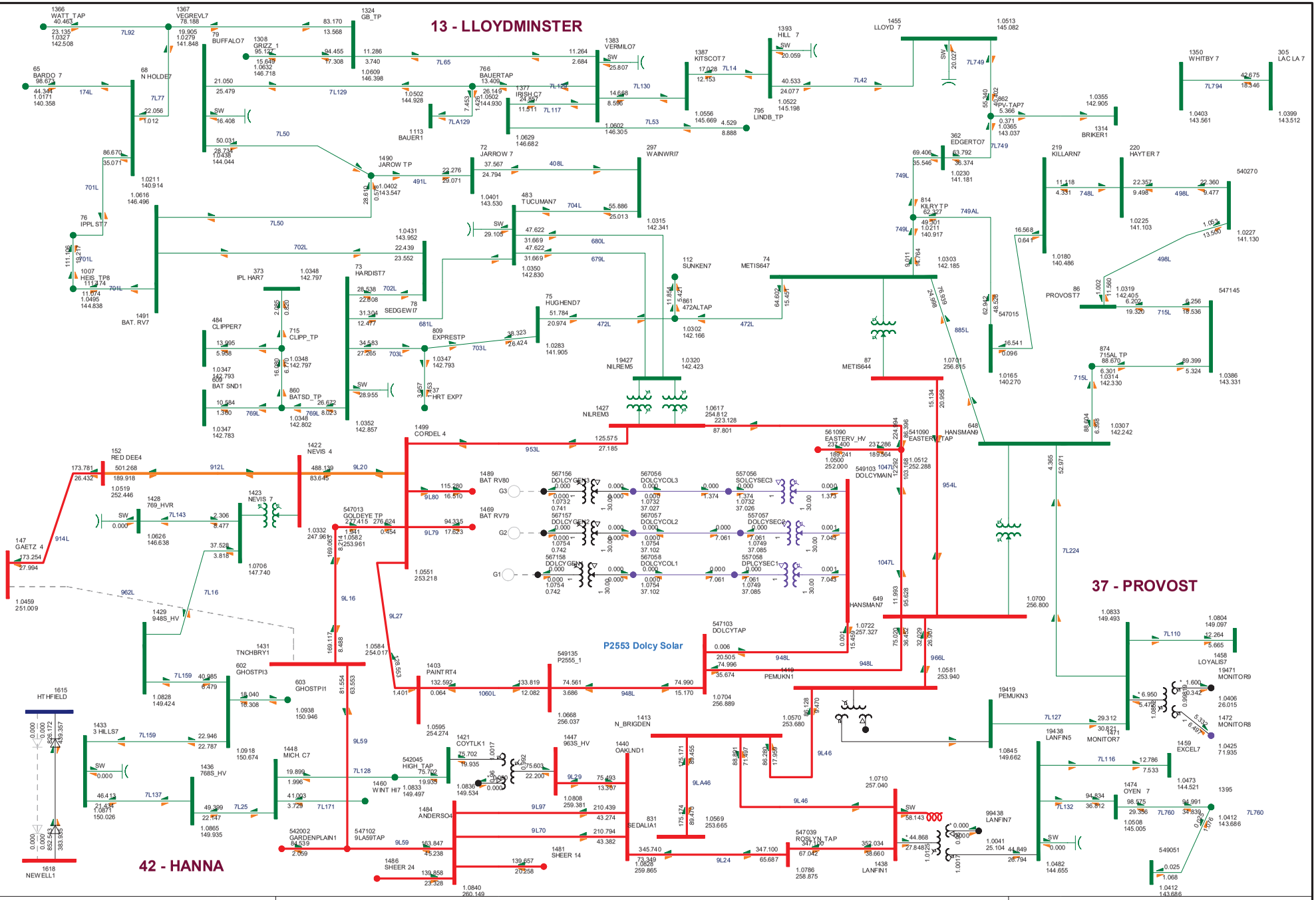


P2553 Dolcy Solar Battery MPC

FIGURE A2.1-1-N-0: NORMAL OPERATION
2028 SUMMER LIGHT HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

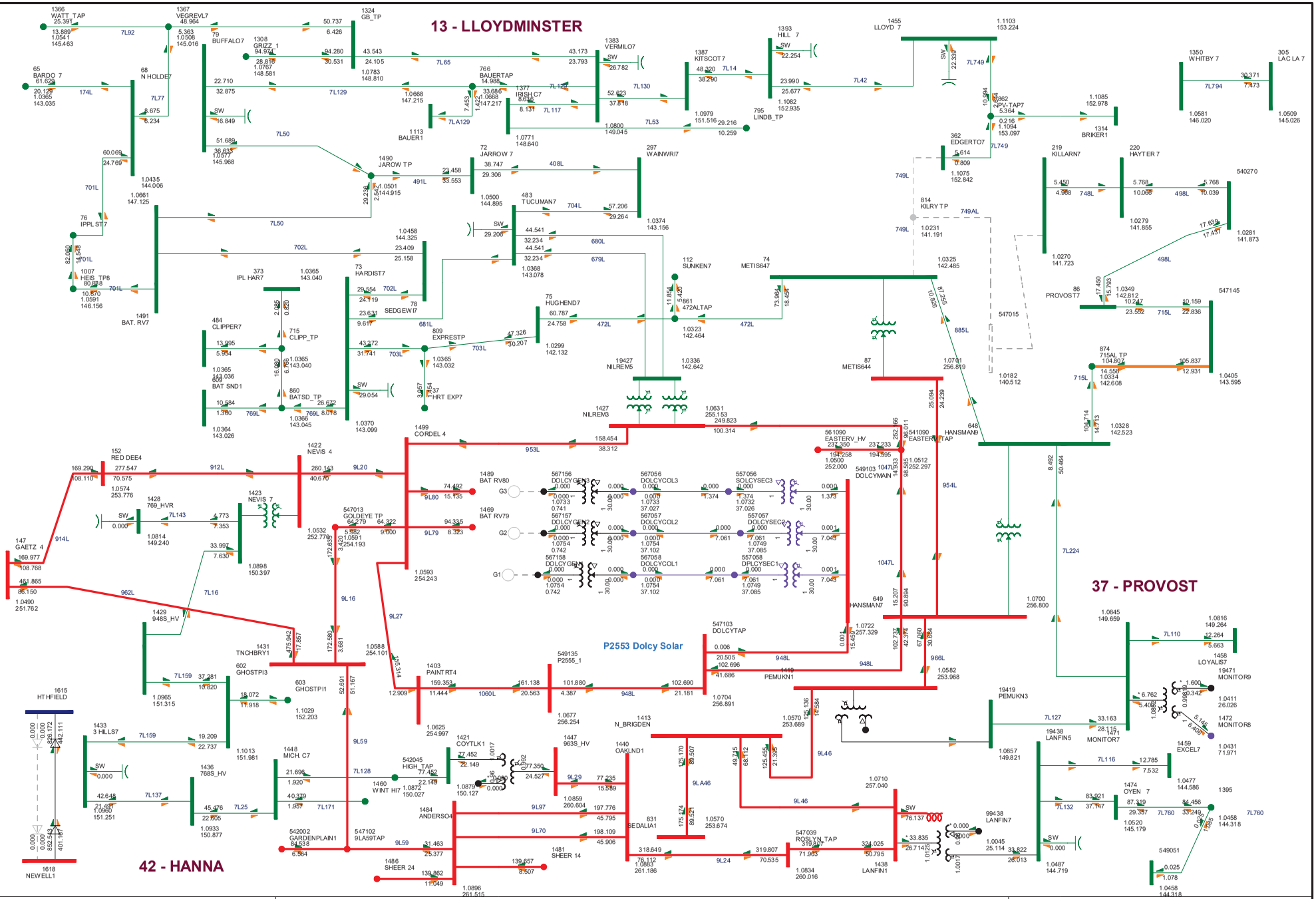


P2553 Dolcy Solar Battery MPC

FIGURE A2.1-2 N-1: 962L/9L62 (TINCHEBRAY 972S TO GAETZ 87S)
2028 SUMMER LIGHT HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

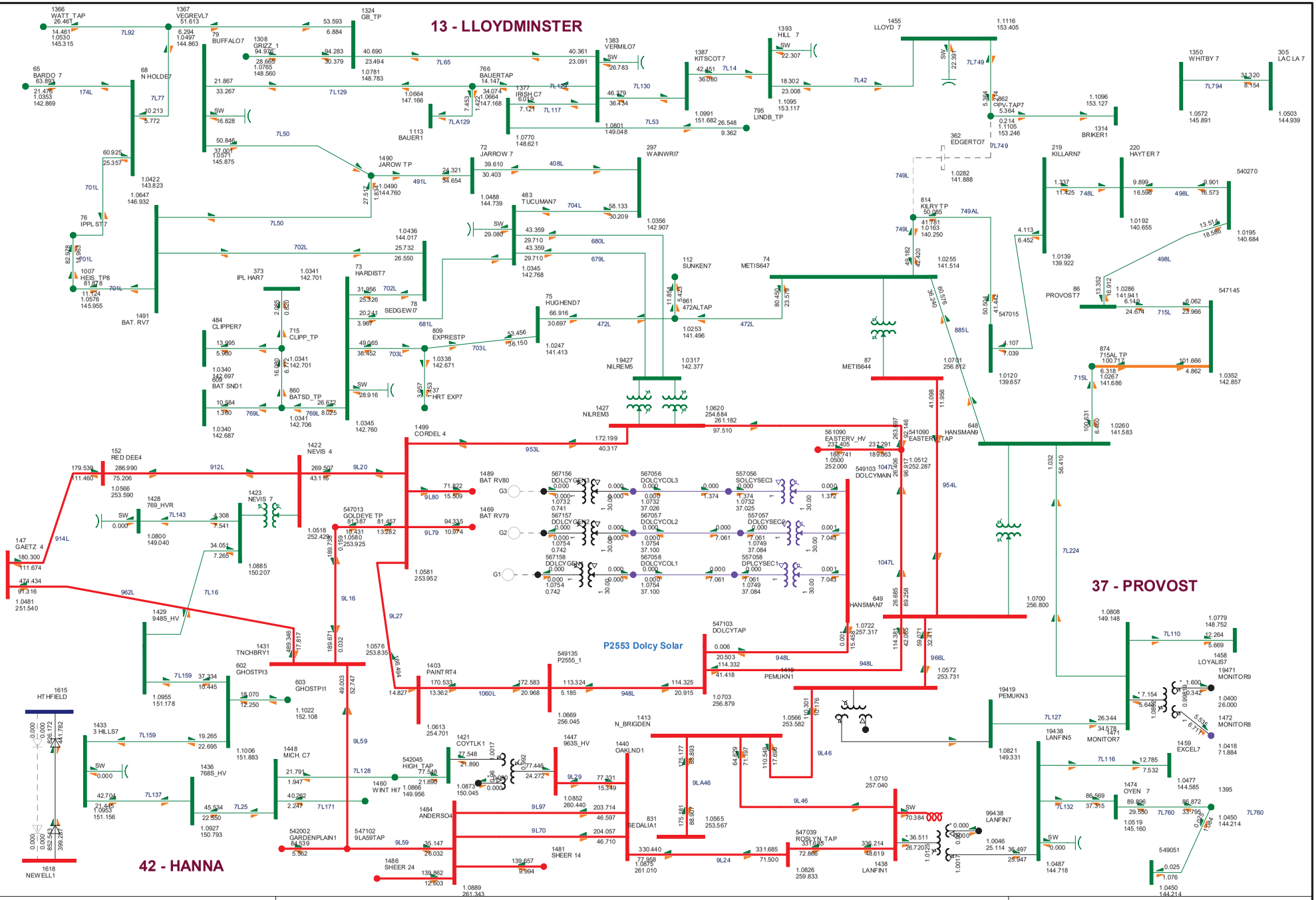


P2553 Dolcy Solar Battery MPC

FIGURE A2.1-3 N-1: 749L (METISKOW 648S TO EDGERTON 899S)
2028 SUMMER LIGHT HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

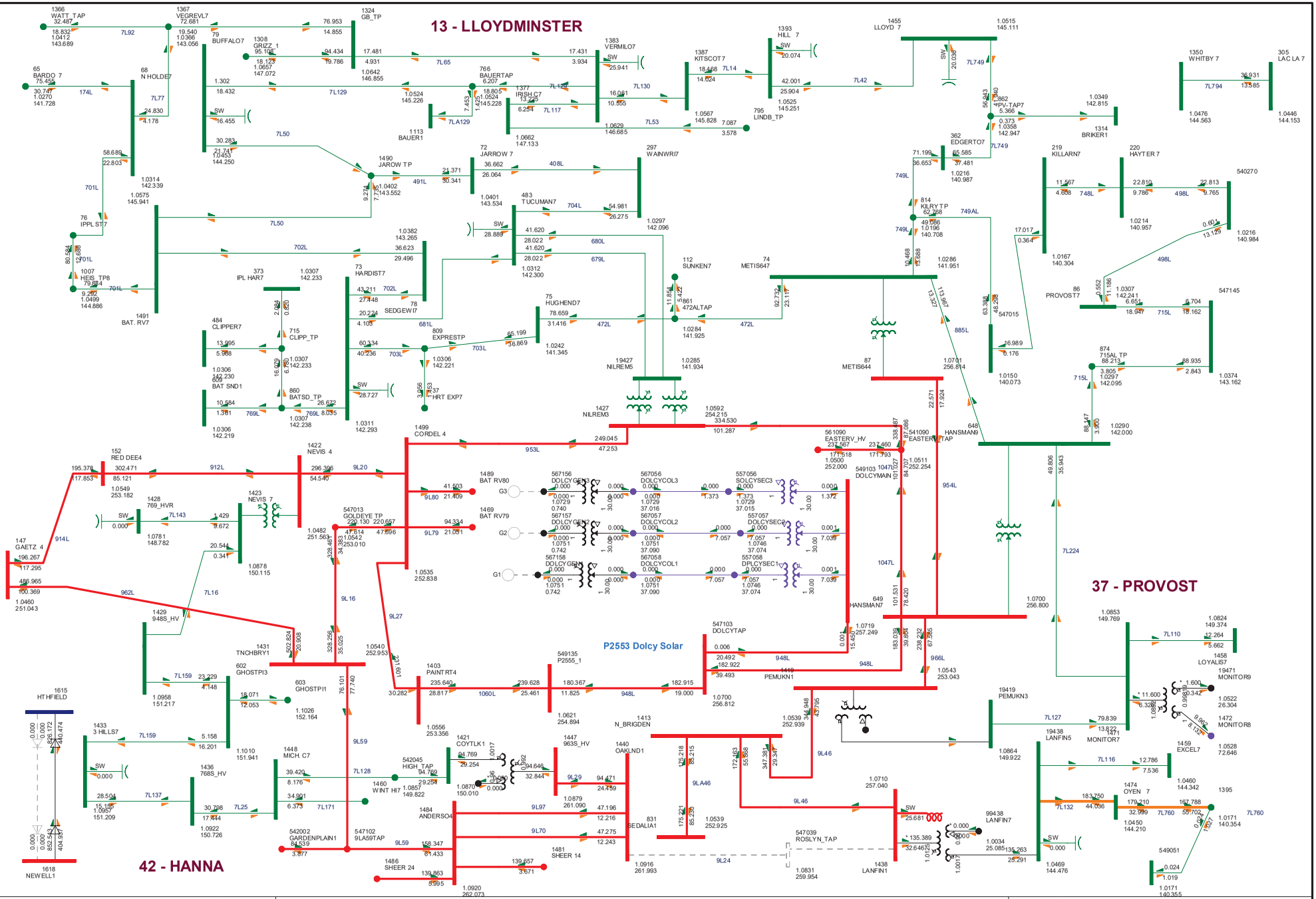


P2553 Dolcy Solar Battery MPC

FIGURE A2.1-4 N-1: EDGERTON 899S TRANSFORMER T1
2028 SUMMER LIGHT HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000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37 - PROVOST
42 - HANNA
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1387 KITSCOT7 18.468 7L14
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1.0515 145.111
1350 WHITBY_7
305 LAC LA 7
65 BARDO_7 75.455
68 N HOLDE7
766 BAUERTAP 6.207
1377 IRISH_C7 13.225
795 LINDB_TP
362 EDGERTO7
219 KILLARN7
220 HAYTER 7
540270
814 KILRY TP 62.768
1490 JAROW TP
72 JAROW 7 36.662
297 WAINWRI7
483 TUCUMAN7
112 SUNKEN7
74 METIS647
76 IPPL ST7
1007 HEIS_TP8 79.884
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
75 HUGHEND7
809 EXPRESTP
HRT EXP7
484 CLIPPER7
715 CLIPP_TP
860 BATSD_TP 26.672
BAT SND1
86 PROVOST7
547145
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874 715AL TP 88.213
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19427 NILREM5
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1422 NEVIS 4
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1423 NEVIS 7
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547013 GOLDEYE TP 220.130 220.657
147 GAETZ 4 196.267 117.295
486.965 100.369 1.0460 251.043
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1615 HTHFIELD
1618 NEWELL1
1433 3 HILLS7
1436 768S_HV
1448 MICH. C7
1460 WINT HI7
542045 HIGH_TAP 94.769 29.254
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1403 PAINTRT4
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1413 N_BRIGDEN
831 SEDALIA1
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567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 DOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
547103 DOLCYTAP
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649 HANSMAN7
648 HANSMAN8
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549103 1047L DOLCYMAIN
1438 LANFIN1
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1471 MONITOR7
1472 MONITOR8
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1458 LOYALIS7
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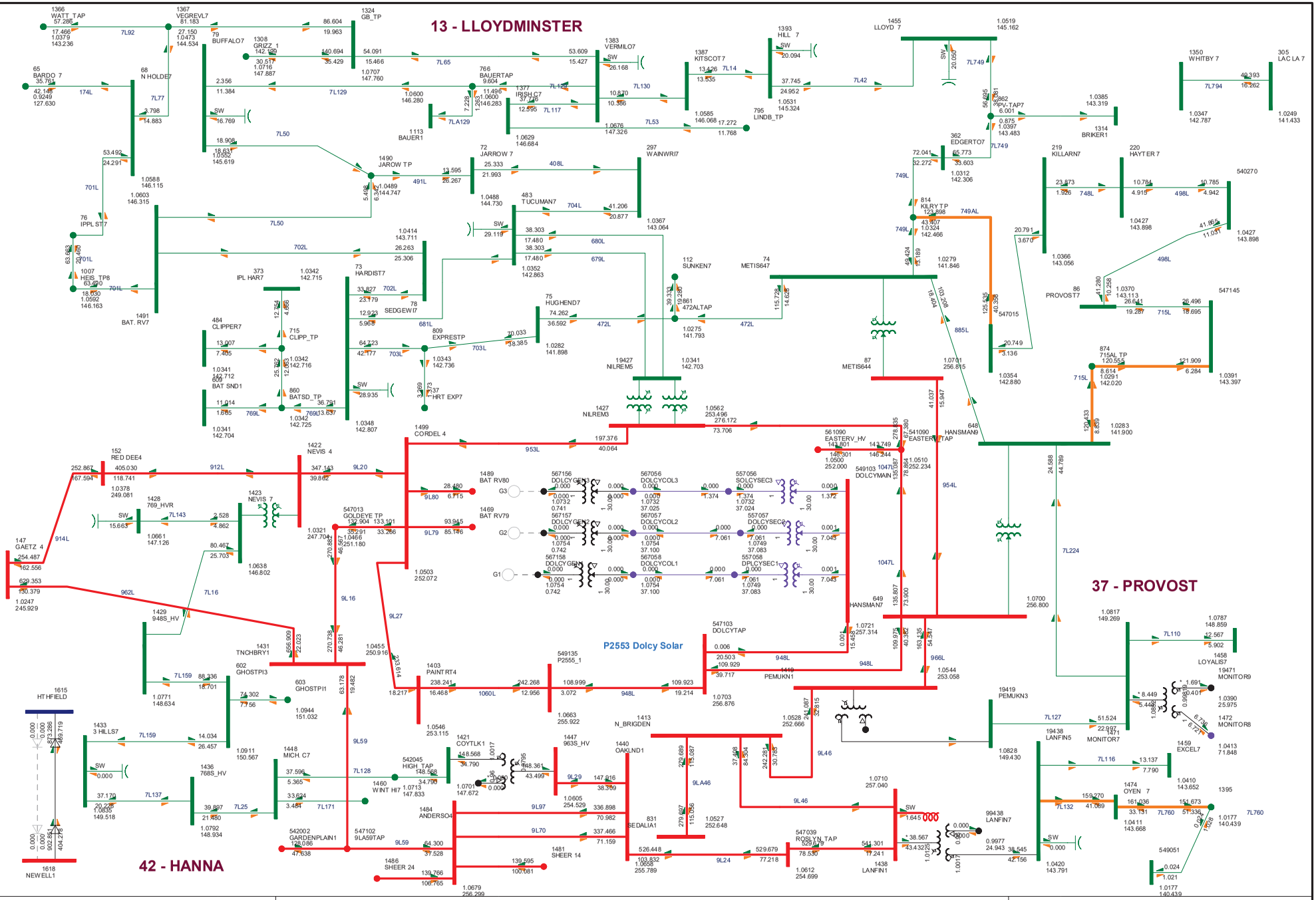
472L
885L
498L
748L
749AL
715L
769L
1047L
P2553 Dolcy Solar Battery MPC
FIGURE A2.1-5 N-1: 9L24 (OAKLAND 946S - LANFINE 959S)
2028 SUMMER LIGHT HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025
Page 89 of 615
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000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72 JARROW 7 25.333
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297 WAINWRI7
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76 IPPL ST7
701L
1007 HEIS_TP8 63.490
1491 BAT. RV7
702L
373 IPL HAR7
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809 EXPRESTP
HRT EXP7
484 CLIPPER7
715 CLIPP_TP
609 BAT SND1
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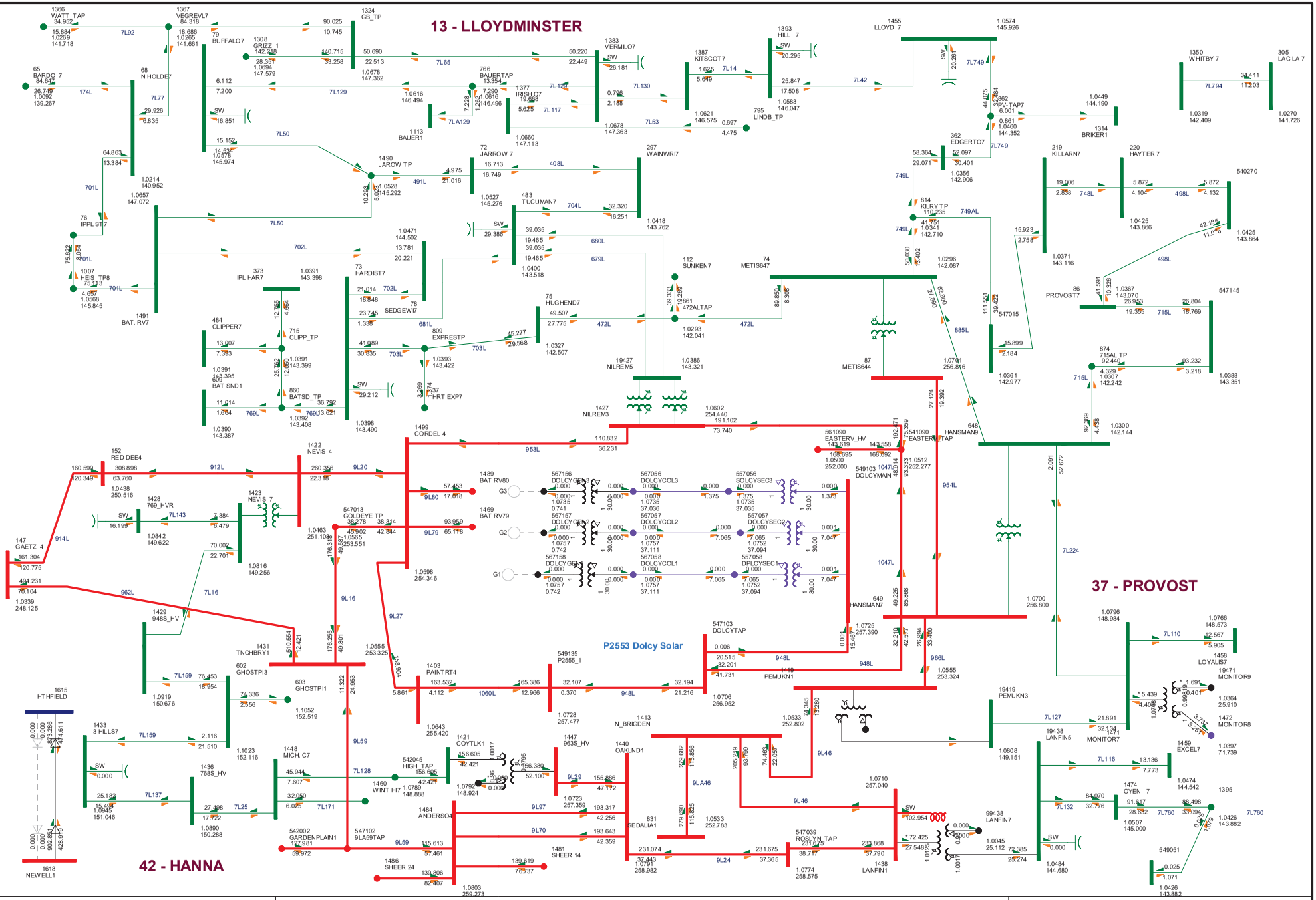
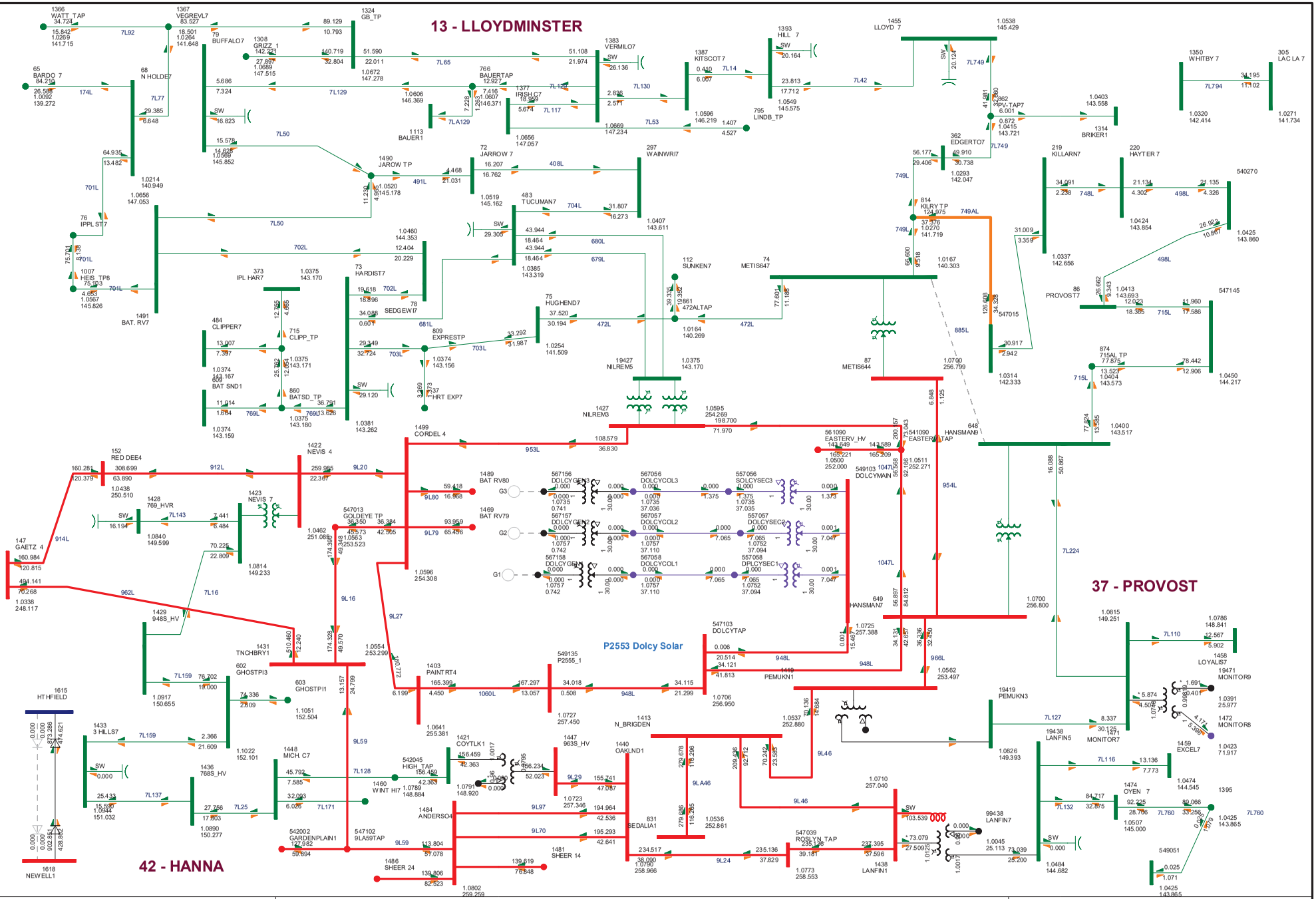


P2553 Dolcy Solar Battery MPC

FIGURE A2.2-1-N-0: NORMAL OPERATION
2028 SUMMER PEAK HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

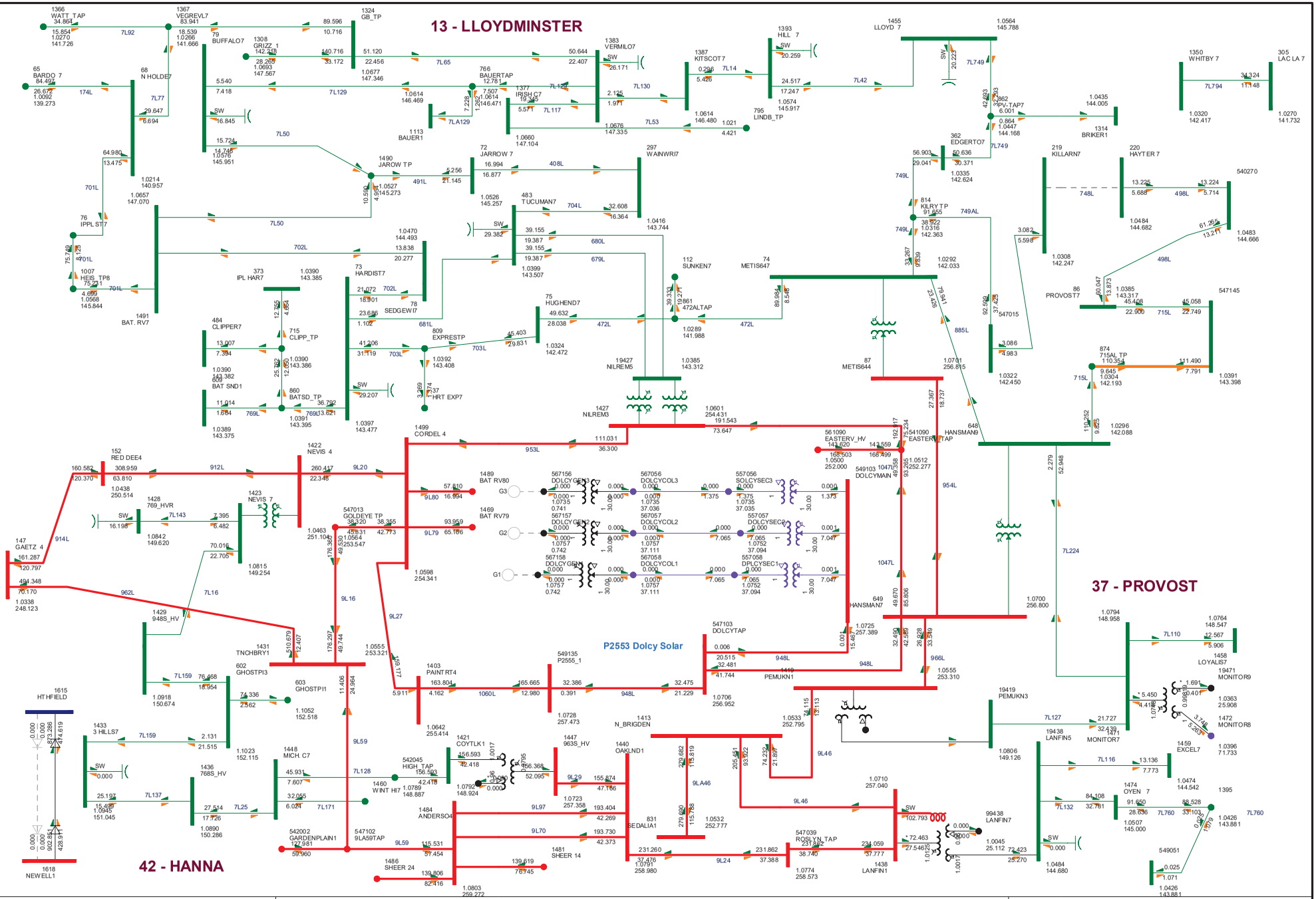


P2553 Dolcy Solar Battery MPC

FIGURE A2.2-2 N-1: 885L (METISKOW 648S TO HANSMAN LAKE 650S)
2028 SUMMER PEAK HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000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112 SUNKEN7
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362 EDGERTO7
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220 HAYTER 7
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373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
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715 CLIPP_TP
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75 HUGHEND7
472ALTAP
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1447 963S_HV
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1413 N_BRIGDEN
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1481 SHEER 14
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547102 9LA59TAP
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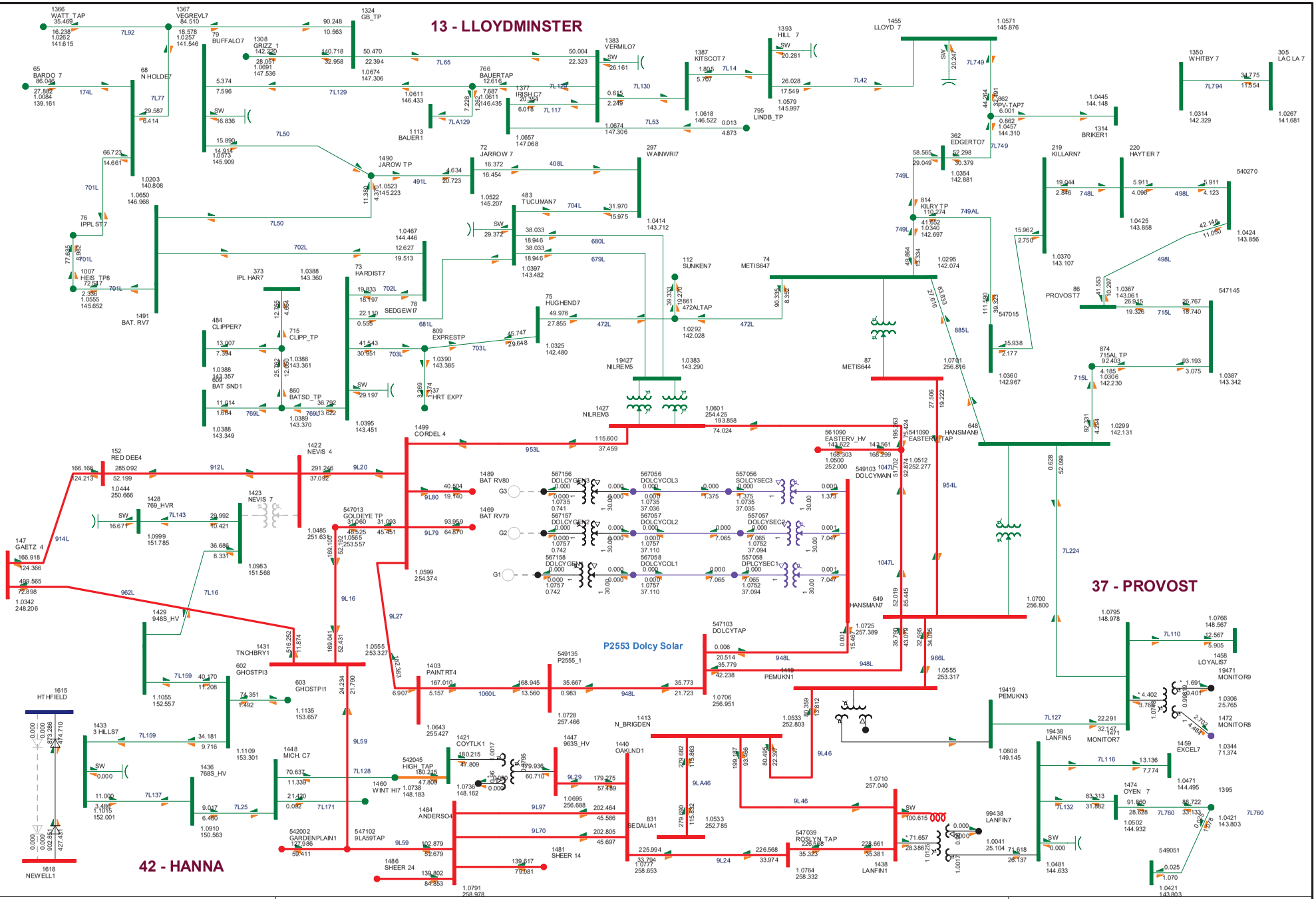
P2553 Dolcy Solar Battery MPC
FIGURE A2.2-3 N-1: 748L (HAYTER 277S TO KILLARNEY LAKE 267S)
2028 SUMMER PEAK HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025
Page 93 of 615
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

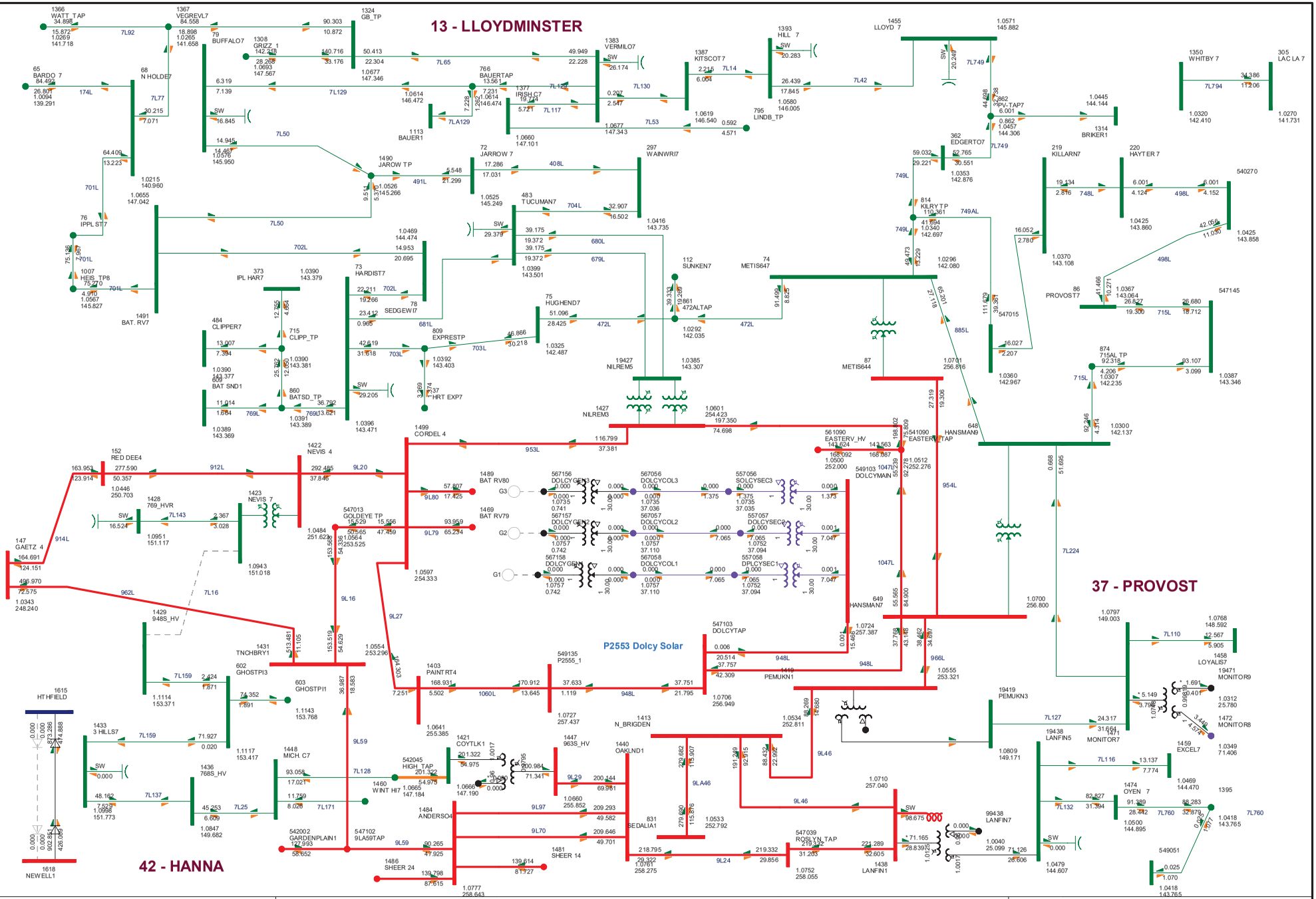


P2553 Dolcy Solar Battery MPC

FIGURE A2.2-4 N-1: 766S T1 (NEVIS 766S 240/138 KV TRANSFORMER)
2028 SUMMER PEAK HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000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37 - PROVOST
42 - HANNA
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1387 KITSCOT7
1393 HILL_7
1455 LLOYD 7
1113 BAUER1
795 LINDB_TP
362 EDGERTO7
1314 BRIKER1
1350 WHITBY 7
305 LAC LA 7
1490 JAROW TP
72 JARROW 7
297 WAINWRI7
483 TUCUMAN7
112 SUNKEN7
74 METIS647
87 METIS644
814 KILRY TP 110.361
219 KILLARN7
220 HAYTER 7
540270
86 PROVOST7
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547015
874 715AL TP 92.318
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1007 HEIS_TP8 75.270
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484 CLIPPER7
715 CLIPP_TP
373 IPL HAR7
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809 EXPRESTP
HRT EXP7
75 HUGHEND7
472ALTAP
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1422 NEVIS 4
152 RED DEE4
1423 NEVIS 7
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603 GHOSTPI1
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1489 BAT RV80
1469 BAT RV79
547013 GOLDEYE TP
542045 HIGH_TAP
1460 WINT HI7
1421 COYTLK1
1447 963S_HV
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1413 N_BRIGDEN
831 SEDALIA1
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1481 SHEER 14
1486 SHEER 24
1615 HTHFIELD
1618 NEWELL1
1433 3 HILLS7
1436 768S_HV
1448 MICH. C7
1460 WINT HI7
561090 EASTERV_HV
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549103 1047L DOLCYMAIN
648 HANSMAN8
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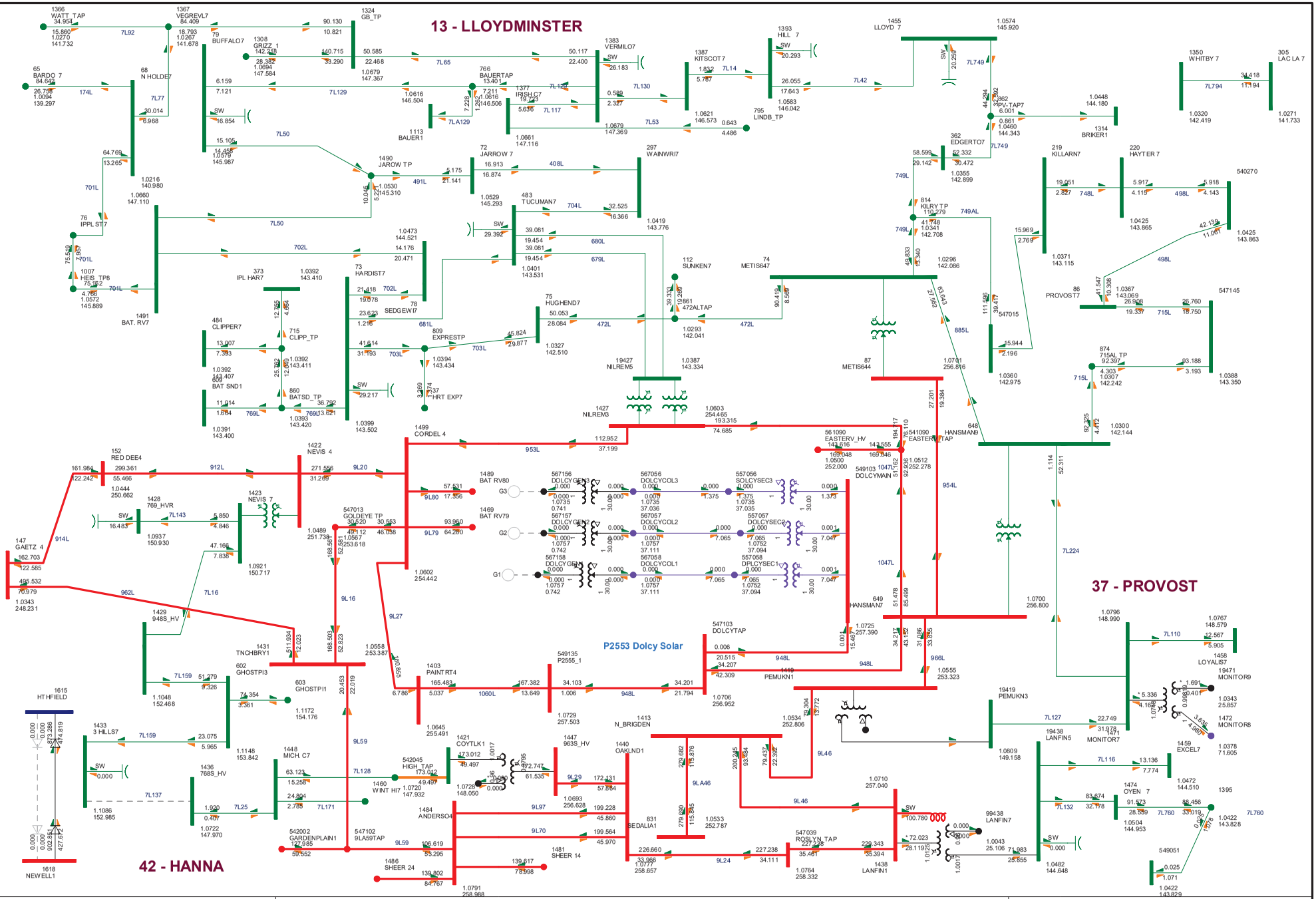
567057 DOLCYCOL2
557057 SOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
19438 LANFIN5
99438 LANFIN7
547039 ROSLYN_TAP
1438 LANFIN1
1458 LOYALIS7
1459 EXCEL7
1471 MONITOR7
1472 MONITOR8
19471 MONITOR9
1474 OYEN 7
549051
P2553 Dolcy Solar Battery MPC
FIGURE A2.2-5 N-1: 7L16 (NEVIS 766S TO HEATBURG 948S)
2028 SUMMER PEAK HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025
Page 95 of 615
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

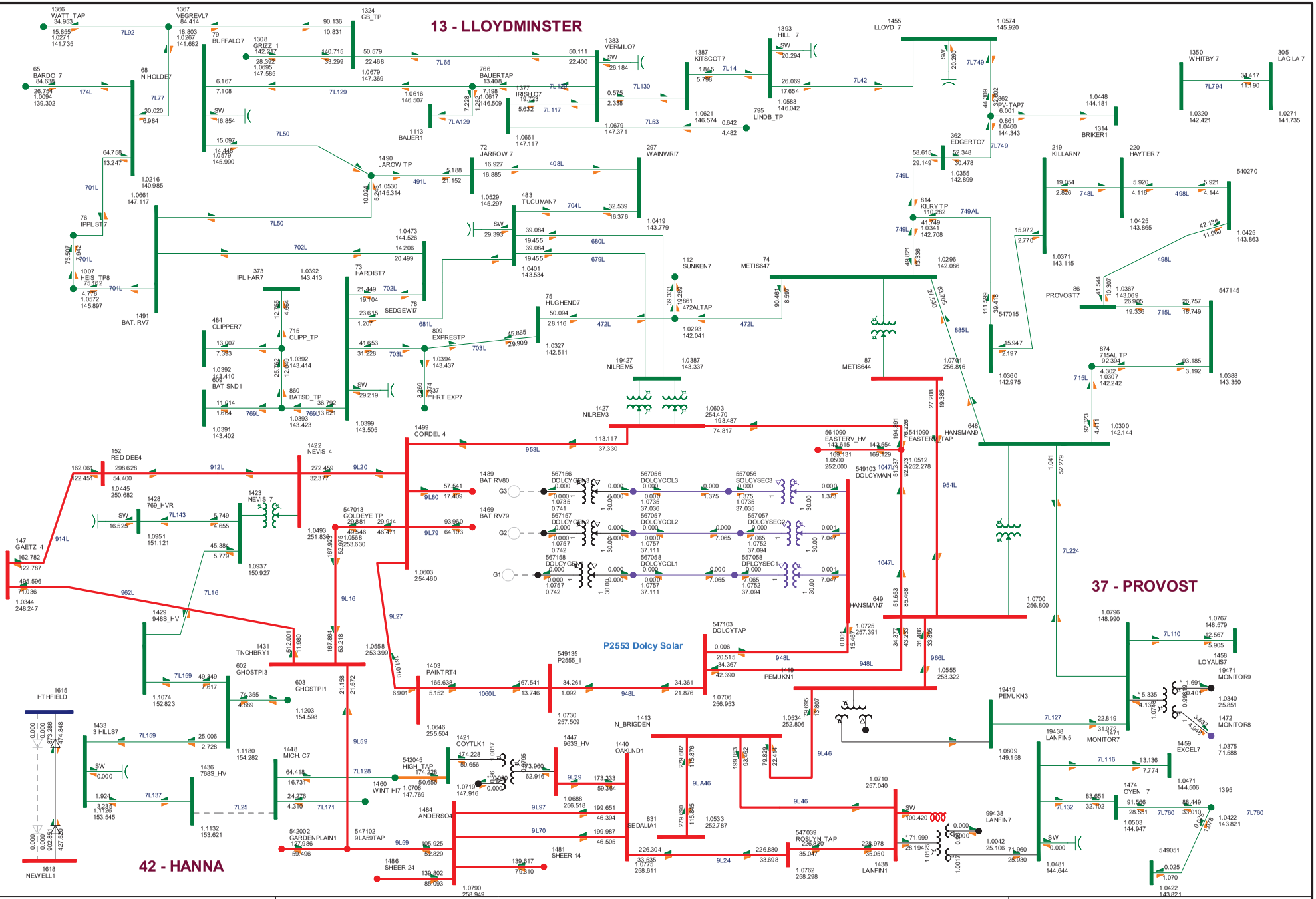


P2553 Dolcy Solar Battery MPC

FIGURE A2.2-6 N-1: 7L137 (THREE HILLS 770S TO ROWLEY 768S)
2028 SUMMER PEAK HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

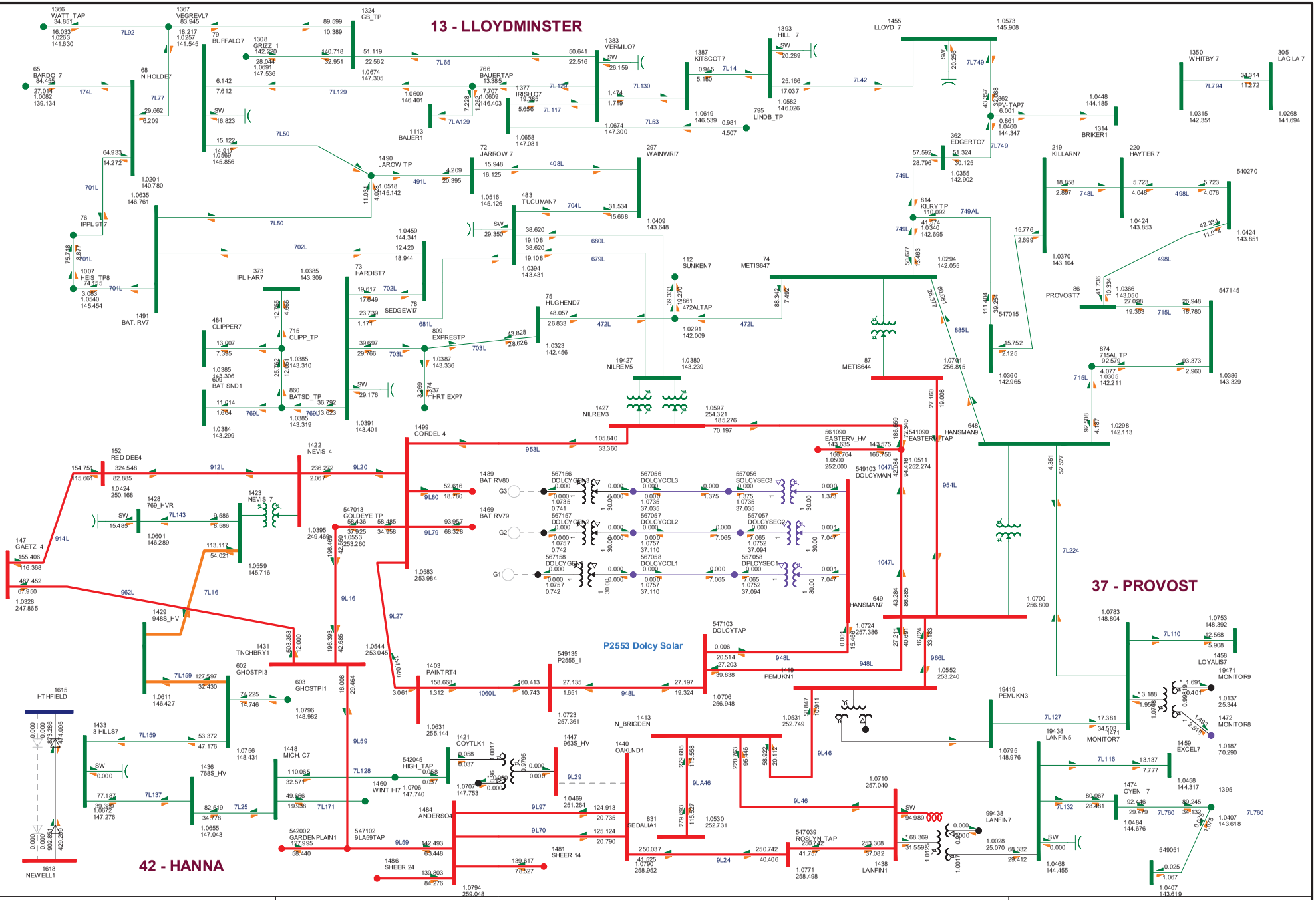


P2553 Dolcy Solar Battery MPC

FIGURE A2.2-7 N-1: 7L25 (ROWLEY 768S TO MICHICHI CREEK 802S)
2028 SUMMER PEAK HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

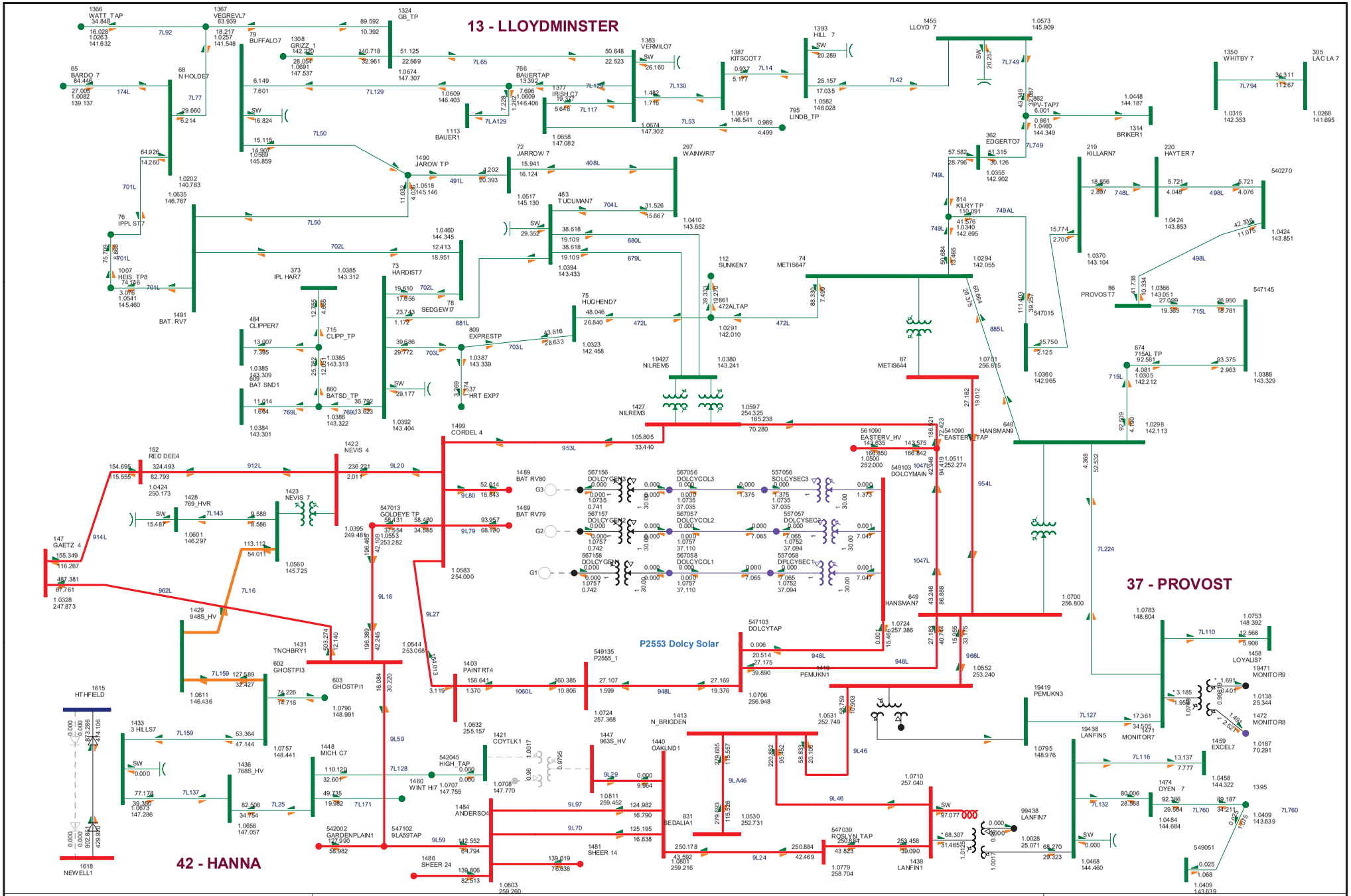


P2553 Dolcy Solar Battery MPC

FIGURE A2.2-8 N-1: 9L29 (OAKLAND 946S TO COYOTE LAKE 963S)
2028 SUMMER PEAK HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

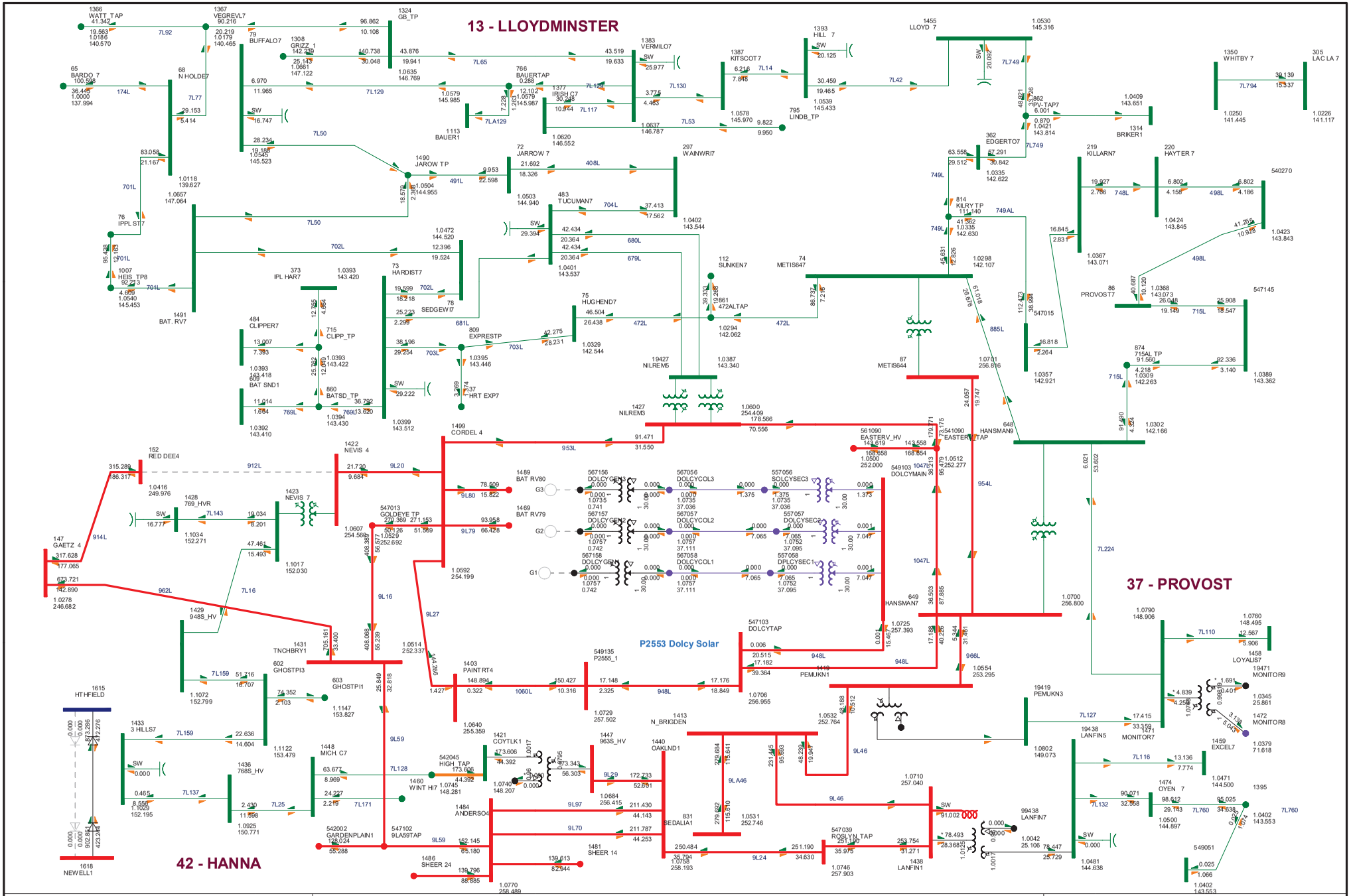


P2553 Dolcy Solar Battery MPC

FIGURE A2.2-9 N-1: 963S T1 (COYOTE LAKE 963S TRANSFORMER T1)
2028 SUMMER PEAK HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
1366 WATT_TAP 41.347
1367 VEGREVL7 90.216
1324 GB_TP
1308 GRIZZ_1 142.220
1383 VERMILO7
1387 KITSCOT7
1393 HILL_7
1455 LLOYD_7
1350 WHITBY 7
305 LAC LA 7
65 BARDO_7 100.598
68 N HOLDE7
766 BAUERTAP 0.288
1377 IRISH_C7
795 LINDB_TP
1113 BAUER1
1314 BRIKER1
362 EDGERTO7
PV-TAP7 6.001
219 KILLARN7
220 HAYTER 7
540270
76 IPPL ST7
1007 HEIS_TP8 92.223
1491 BAT. RV7
1490 JAROW TP
72 JARROW 7
297 WAINWRI7
483 TUCUMAN7
814 KILRY TP 111.140
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
112 SUNKEN7
74 METIS647
86 PROVOST7
547145
484 CLIPPER7
715 CLIPP_TP
809 EXPRESTP
75 HUGHEND7
472ALTAP
547015
860 BATSD_TP
HRT EXP7
874 715AL TP 91.560
1499 CORDEL 4
19427 NILREM5
87 METIS644
1427 NILREM3
561090 EASTERV_HV 143.619
541090 EASTERV_TAP
648 HANSMAN8
549103 1047L DOLCYMAIN
152 RED DEE4
1422 NEVIS 4
1423 NEVIS 7
1428 769_HVR
547013 GOLDEYE TP 270.369 271.153
1489 BAT RV80
1469 BAT RV79
567156 DOLCYGEN3
567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 DOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
147 GAETZ 4
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1403 PAINTRT4
549135 P2555_1
547103 DOLCYTAP
649 HANSMAN7
1419 PEMUKN1
19419 PEMUKN3
1458 LOYALIS7
19471 MONITOR9
1472 MONITOR8
1471 MONITOR7
1459 EXCEL7
1474 OYEN 7
1395
1615 HTHFIELD
1433 3 HILLS7
1436 768S_HV
1448 MICH. C7
1421 COYTLK1
542045 HIGH_TAP 173.606
1460 WINT HI7
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
831 SEDALIA1
1484 ANDERSO4
542002 GARDENPLAIN1 128.024
547102 9LA59TAP
1481 SHEER 14
1486 SHEER 24
1618 NEWELL1
99438 LANFIN7
19438 LANFIN5
1438 LANFIN1
547039 ROSLYN_TAP 251.190
549051
912L
914L
962L
953L
954L
1047L
966L
948L
885L
749L
749AL
715L
498L
680L
679L
681L
703L
704L
702L
701L
408L
491L
472L
7L92
7L65
7L129
7L130
7L117
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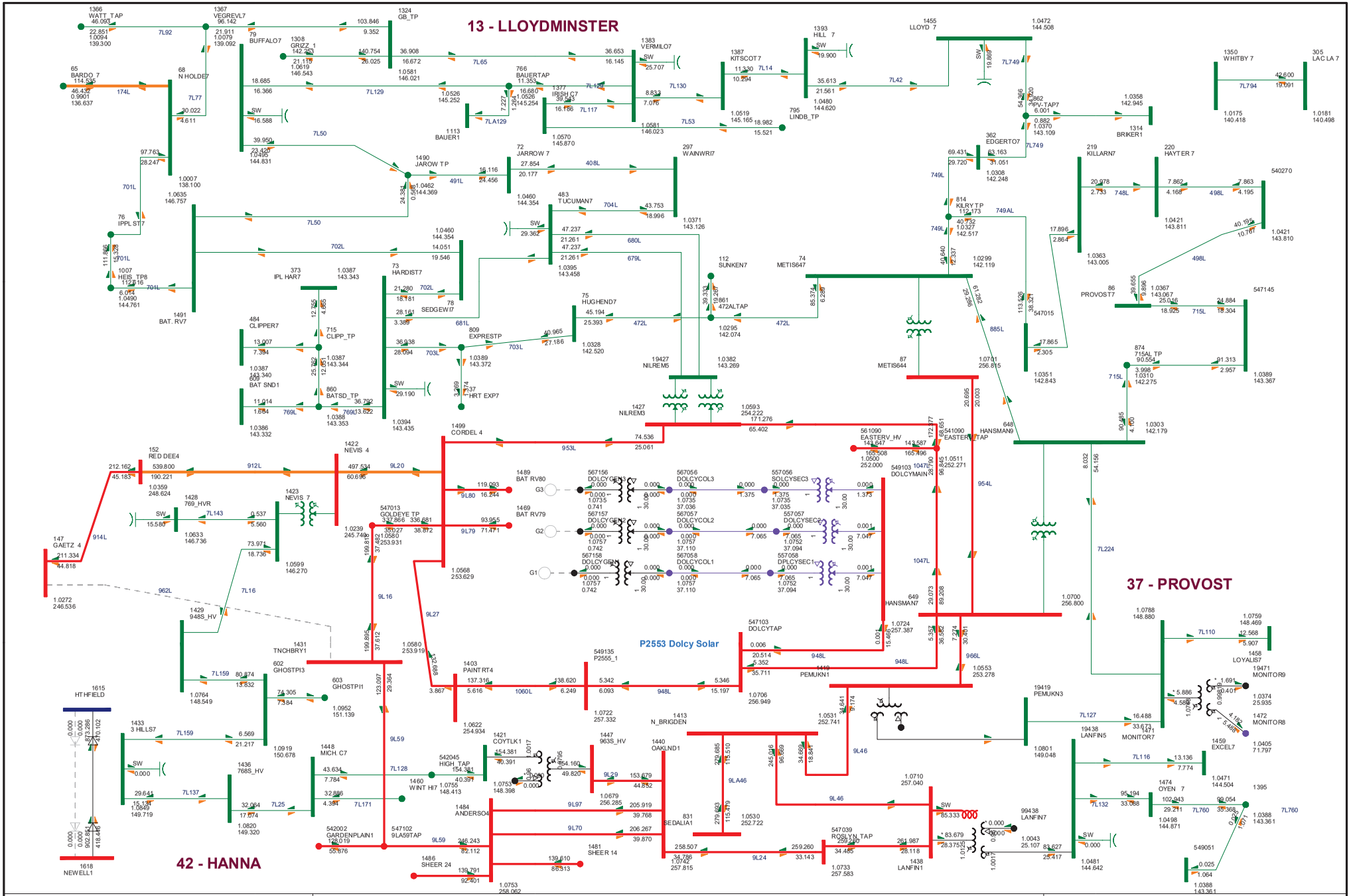
7L42
7L50
7L749
7L77
7L14
7L143
7L16
7L20
7L80
7L79
7L159
7L137
7L25
7L171
7L128
7L29
7L97
7L70
7L59
7L24
7L46
9L46
9L16
9L27
9L20
9L80
9L79
7L224
7L110
7L127
7L116
7L132
7L760
7L794
7L748
7L715
7L749
7L129
7L50
7L117
7L53
7L42
7L749
7L794
7L748
7L715
7L224
7L110
7L127
7L116
7L132
7L760
P2553 Dolcy Solar Battery MPC
FIGURE A2.2-10 N-1: 912L (NEVIS 766S TO RED DEER 63S)
2028 SUMMER PEAK HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025
Page 100 of 615
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

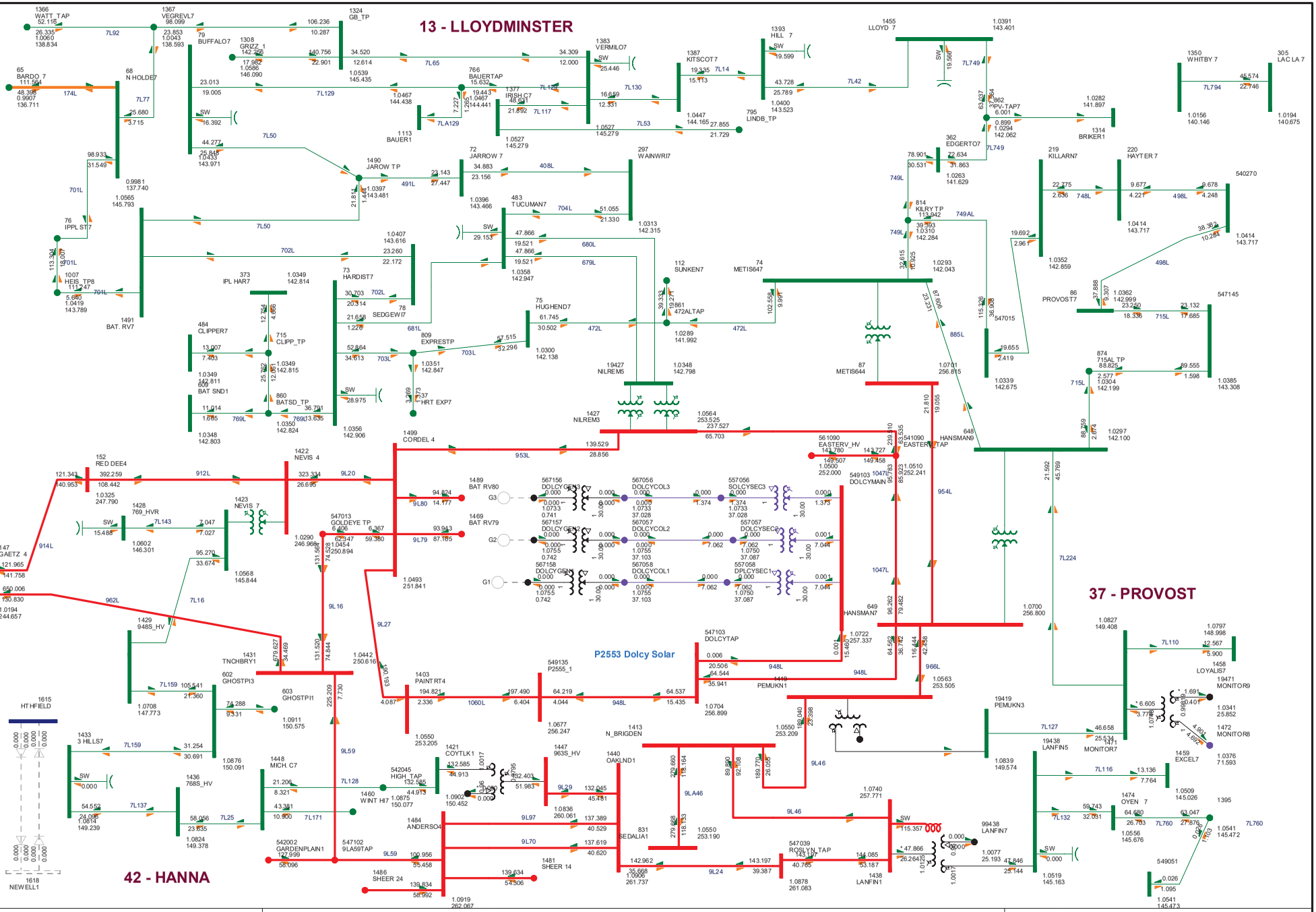


P2553 Dolcy Solar Battery MPC

FIGURE A2.2-11 N-1: 962L/9L62 (TINCHEBRAY 972S TO GAETZ 87S)
2028 SUMMER PEAK HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
1366 WATT_TAP 52.116
1367 VEGREVL7 98.099
1324 GB_TP
1308 GRIZZ_1 142.255
1383 VERMILO7
1387 KITSCOT7 19.335
1393 HILL_7
1455 LLOYD_7
1350 WHITBY_7
305 LAC LA 7
65 BARDO_7 111.564
68 N HOLDE7
766 BAUERTAP 15.632
1377 IRISH_C7 48.691
795 LINDB_TP
1113 BAUER1
1314 BRIKER1
362 EDGERTO7 22.634
PV-TAP7 6.001
72 JARROW 7 34.883
1490 JAROW TP
297 WAINWRI7
483 TUCUMAN7 47.866
76 IPPL ST7
1007 HEIS_TP8 111.247
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7 30.703
78 SEDGEWI7
484 CLIPPER7 13.007
715 CLIPP_TP
809 EXPRESTP 57.515
860 BATSD_TP 36.791
606 BAT SND1 11.014
75 HUGHEND7 61.745
112 SUNKEN7
74 METIS647
814 KILRY TP 113.942
219 KILLARN7
220 HAYTER 7
540270
86 PROVOST7
547145
874 715AL_TP 88.825
547015
87 METIS644
19427 NILREM5
1427 NILREM3
1499 CORDEL 4 139.529
1422 NEVIS 4 323.334
152 RED DEE4 392.259
1428 769_HVR
1423 NEVIS 7
547013 GOLDEYE TP 6.406
147 GAETZ 4 121.965
650 141.758
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1615 HTHFIELD
1433 3 HILLS7
1436 768S_HV
1618 NEWELL1
1403 PAINTRT4 194.821
1421 COYTLK1
1448 MICH. C7
542045 HIGH_TAP 132.585
1460 WINT HI7
542002 GARDENPLAIN1 127.999
547102 9LA59TAP
1484 ANDERSO4
1486 SHEER 24
1481 SHEER 14
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
831 SEDALIA1
549135 P2555_1
547103 DOLCYTAP
1419 PEMUKN1
649 HANSMAN7
648 HANSMAN8
561090 EASTERV_HV 143.780
541090 EASTERV_TAP
549103 1047L DOLCYMAIN
1047L
954L
948L
966L
1449 PEMUKN1
19438 LANFIN5
19419 PEMUKN3
99438 LANFIN7
1438 LANFIN1
1458 LOYALIS7
19471 MONITOR9
1472 MONITOR8
1471 MONITOR7
1459 EXCEL7
1474 OYEN 7
549051
547039 ROSLYN_TAP 143.197
567156 DOLCYGEN3
567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 SOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
G3
G2
G1
1489 BAT RV80
1469 BAT RV79
7L92
7L129
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7L42
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7L794
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7L110
7L127
7L116
7L132
7L760
7L159
7L137
7L25
7L171
7L128
7L16
7L143
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9L80
9L79
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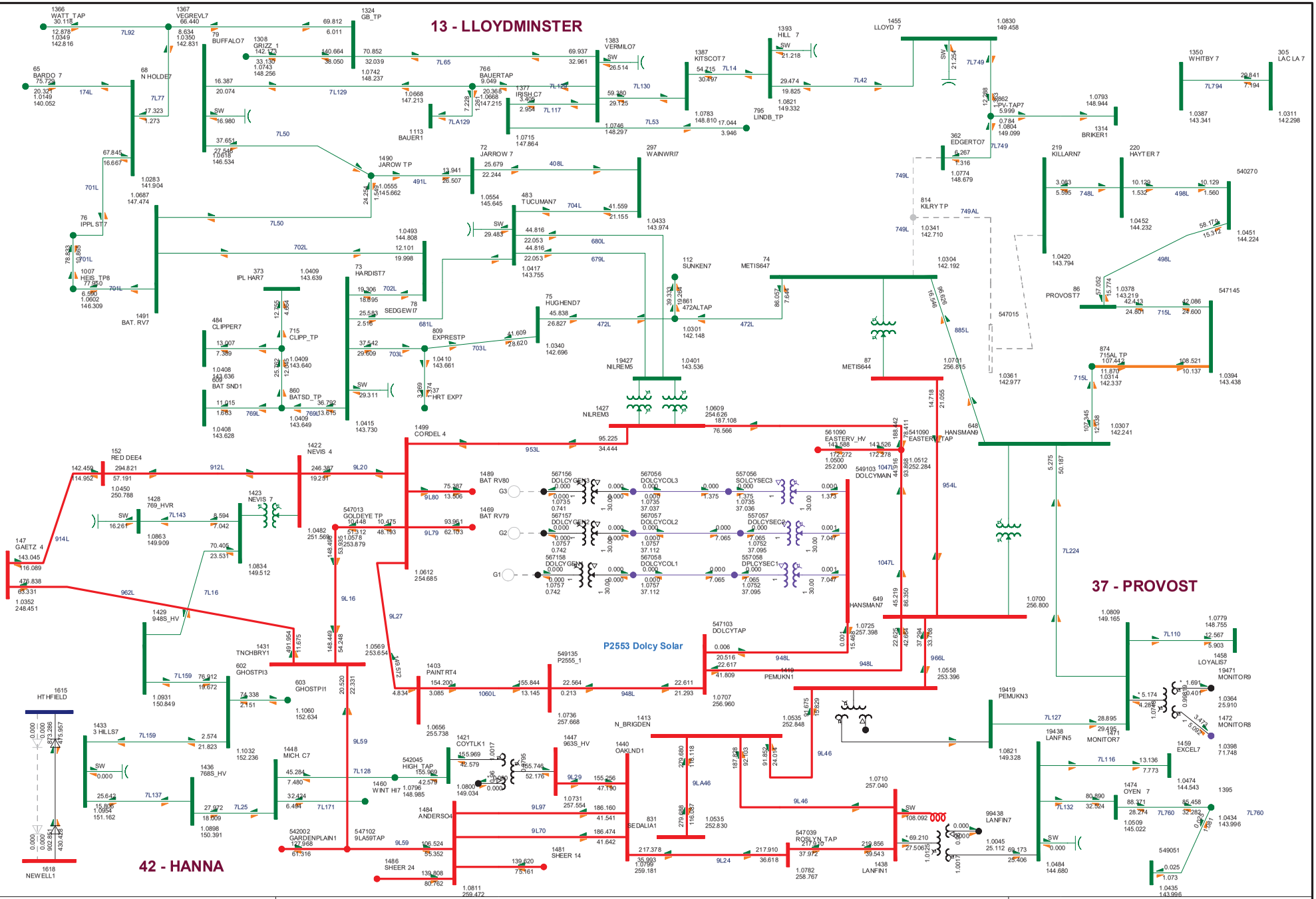
9L59
9L97
9L70
9L29
9L46
9L24
9L59
9L46
9LA46
P2553 Dolcy Solar Battery MPC
FIGURE A2.2-12 N-1: EATL
2028 SUMMER PEAK HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

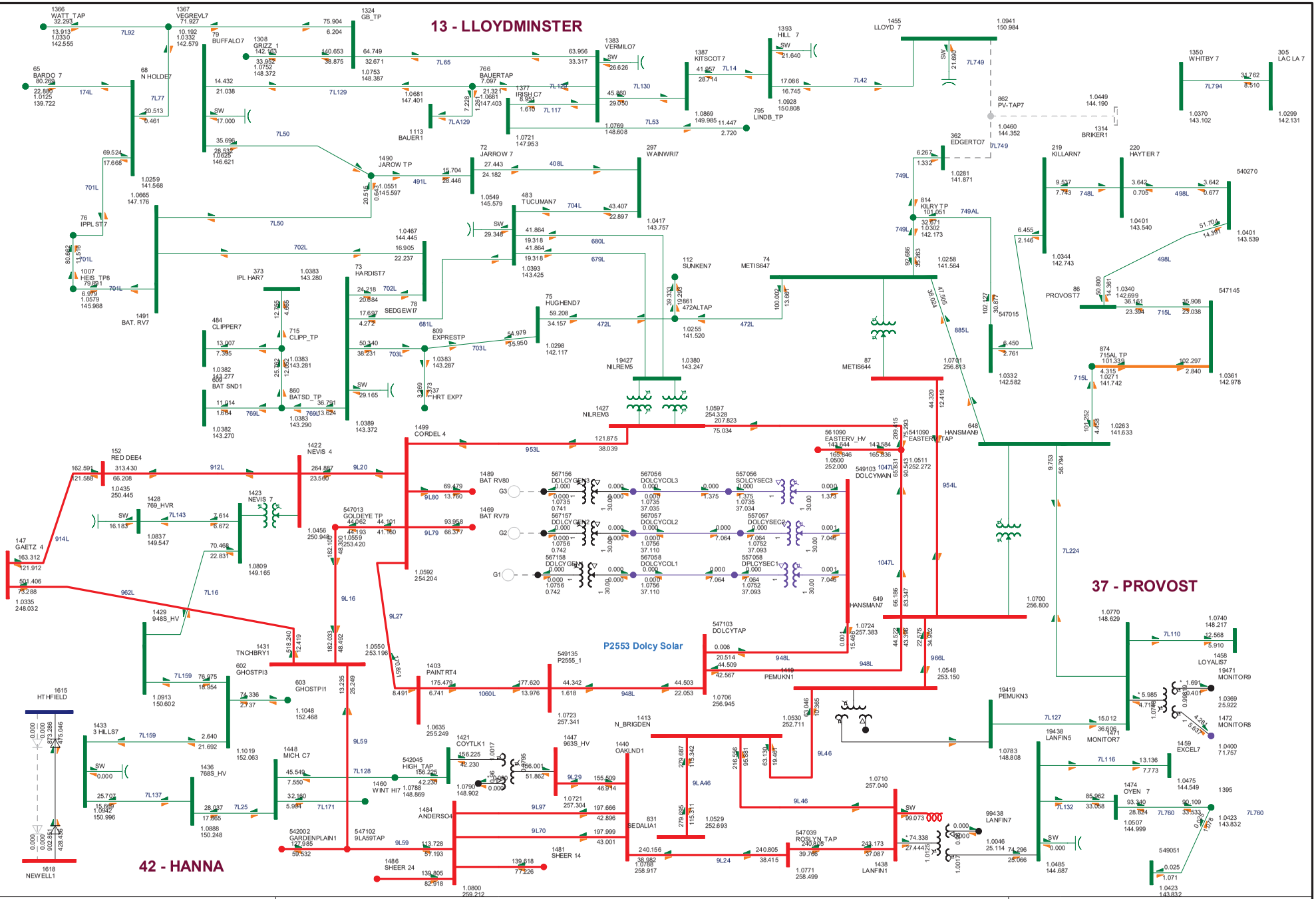


P2553 Dolcy Solar Battery MPC

FIGURE A2.2-13 N-1: 749L (METISKOW 648S TO EDGERTON 899S)
2028 SUMMER PEAK HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
1366 WATT_TAP 32.293
1367 VEGREVL7 71.927
1324 GB_TP
65 BARDO_7 80.269
68 N HOLDE7
1308 GRIZZ_1 142.143
766 BAUERTAP 7.097
1377 IRISH_C7 8.954
1113 BAUER1
1383 VERMILO7
1387 KITSCOT7 41.857
1393 HILL_7 21.640
1455 LLOYD_7
1941 150.984
795 LINDB_TP
862 PV-TAP7
1460 144.352
362 EDGERTO7
1350 WHITBY 7
305 LAC LA 7
1314 BRIKER1
1449 144.190
219 KILLARN7
220 HAYTER 7
540270
814 KILRY TP 101.051
1401 143.540
1401 143.539
1344 142.743
86 PROVOST7
547145
874 715AL TP 101.339
1361 142.978
547015
1490 JAROW TP
72 JARROW 7
297 WAINWRI7
483 TUCUMAN7
112 SUNKEN7
74 METIS647
87 METIS644
1427 NILREM3
19427 NILREM5
1499 CORDEL 4
1422 NEVIS 4
152 RED DEE4
147 GAETZ 4
1423 NEVIS 7
547013 GOLDEYE TP
1428 769_HVR
1469 BAT RV79
1489 BAT RV80
567156 DOLCYGEN3
567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 DOLCYSEC2
567158 DOLCYGEN1
567057 DOLCYCOL1
557058 DPLCYSEC1
561090 EASTERV_HV
541090 EASTERV_TAP
549103 DOLCYMAIN
648 HANSMAN8
649 HANSMAN7
547103 DOLCYTAP
549135 P2555_1
1419 PEMUKN1
19419 PEMUKN3
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1403 PAINTRT4
1421 COYTLK1
542045 HIGH_TAP
1460 WINT HI7
1615 HTHFIELD
1433 3 HILLS7
1436 768S_HV
1448 MICH_C7
1484 ANDERSO4
542002 GARDENPLAIN1
547102 9LA59TAP
1486 SHEER 24
1481 SHEER 14
1618 NEWELL1
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
831 SEDALIA1
547039 ROSLYN_TAP
1438 LANFIN1
99438 LANFIN7
19438 LANFIN5
1471 MONITOR7
1472 MONITOR8
1458 LOYALIS7
1459 EXCEL7
1474 OYEN 7
549051
1423 NEVIS 7
1491 BAT. RV7
1007 HEIS_TP8
76 IPPL ST7
484 CLIPPER7
715 CLIPP_TP
609 BAT SND1
860 BATSD_TP
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
809 EXPRESTP
HRT EXP7
75 HUGHEND7
472ALTAP
680L
679L
681L
703L
702L
701L
704L
408L
491L
472L
885L
953L
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966L
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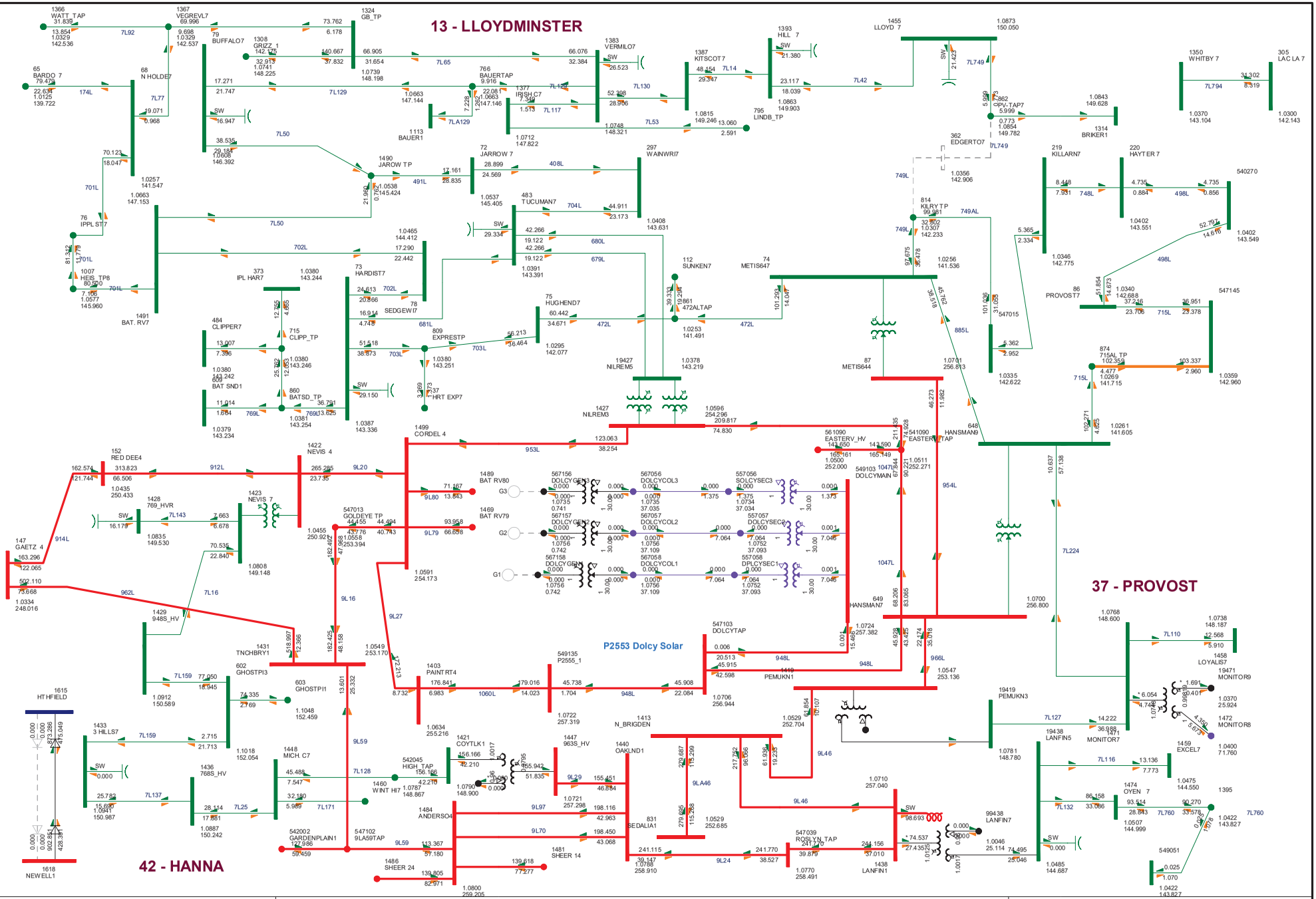
9L16
9L27
9L59
9L29
9L97
9L70
9L24
9L46
9L46A
9L59
P2553 Dolcy Solar Battery MPC
FIGURE A2.2-14 N-1: 749L/7L749 (EDGERTON 899S TO LLOYDMINSTER 716S)
2028 SUMMER PEAK HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

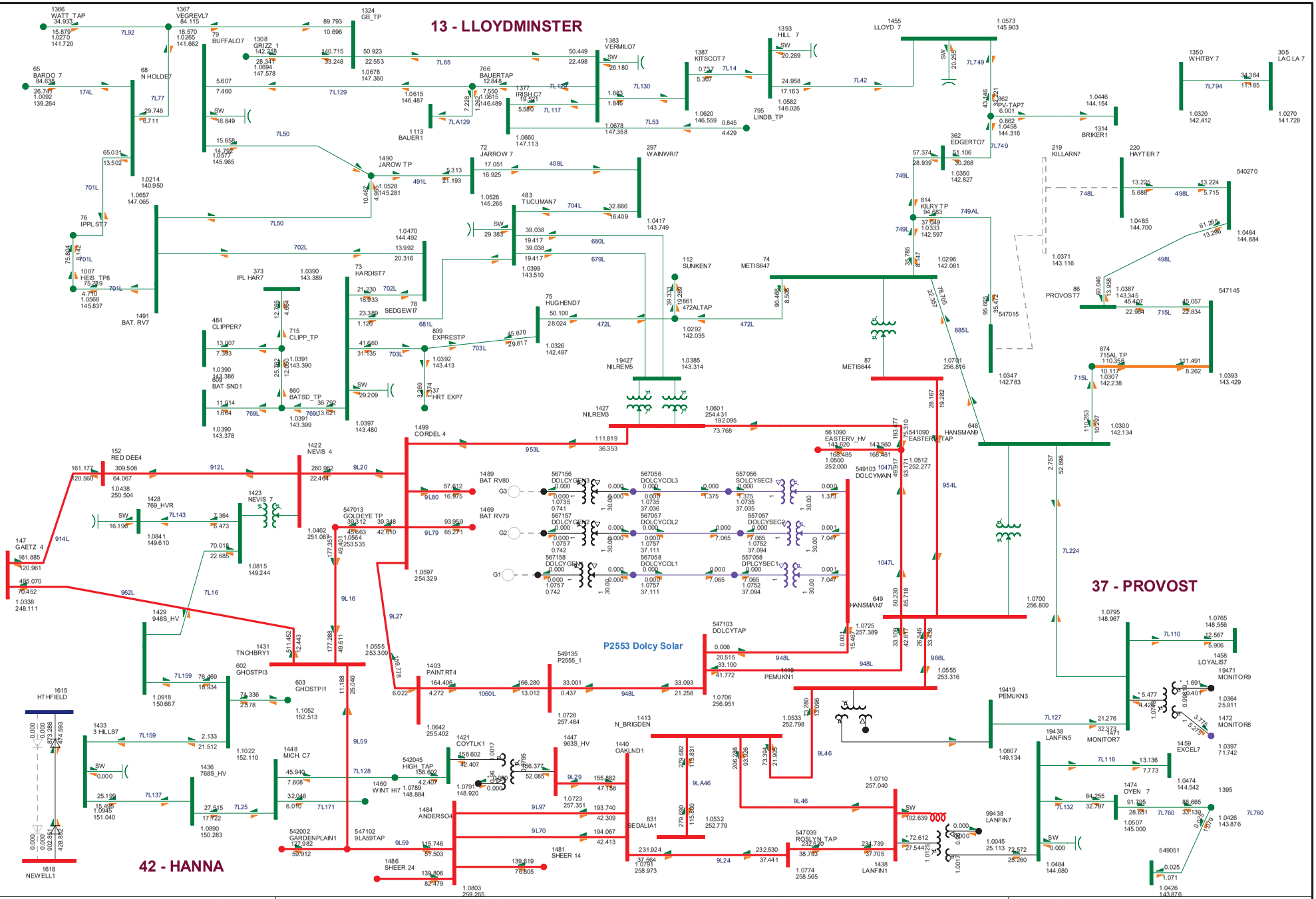


P2553 Dolcy Solar Battery MPC

FIGURE A2.2-15 N-1: EDGERTON 899S TRANSFORMER T1
2028 SUMMER PEAK HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

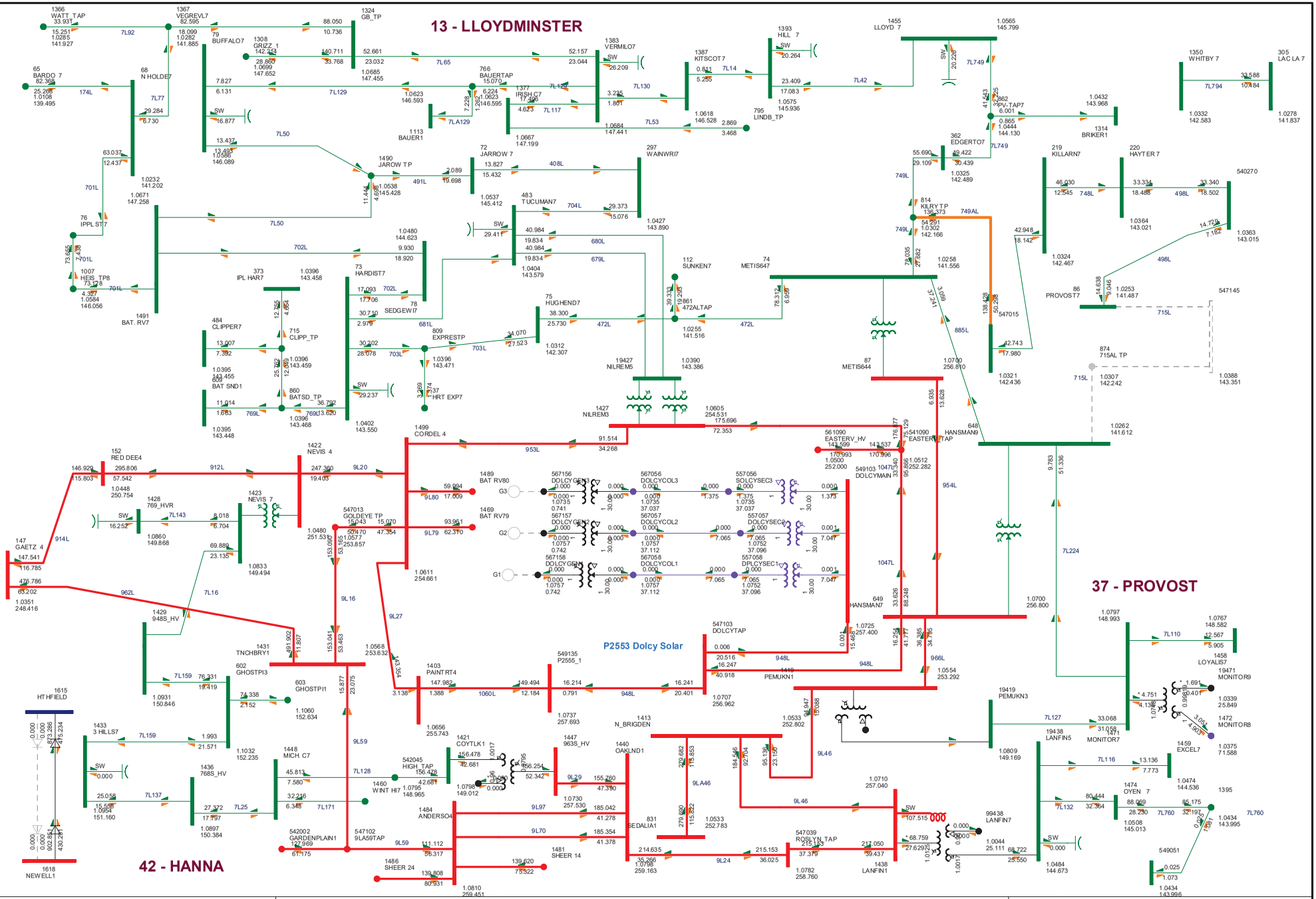


P2553 Dolcy Solar Battery MPC

FIGURE A2.2-16 N-1: KILLARNEY LAKE 267S TRANSFORMER T1
2028 SUMMER PEAK HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

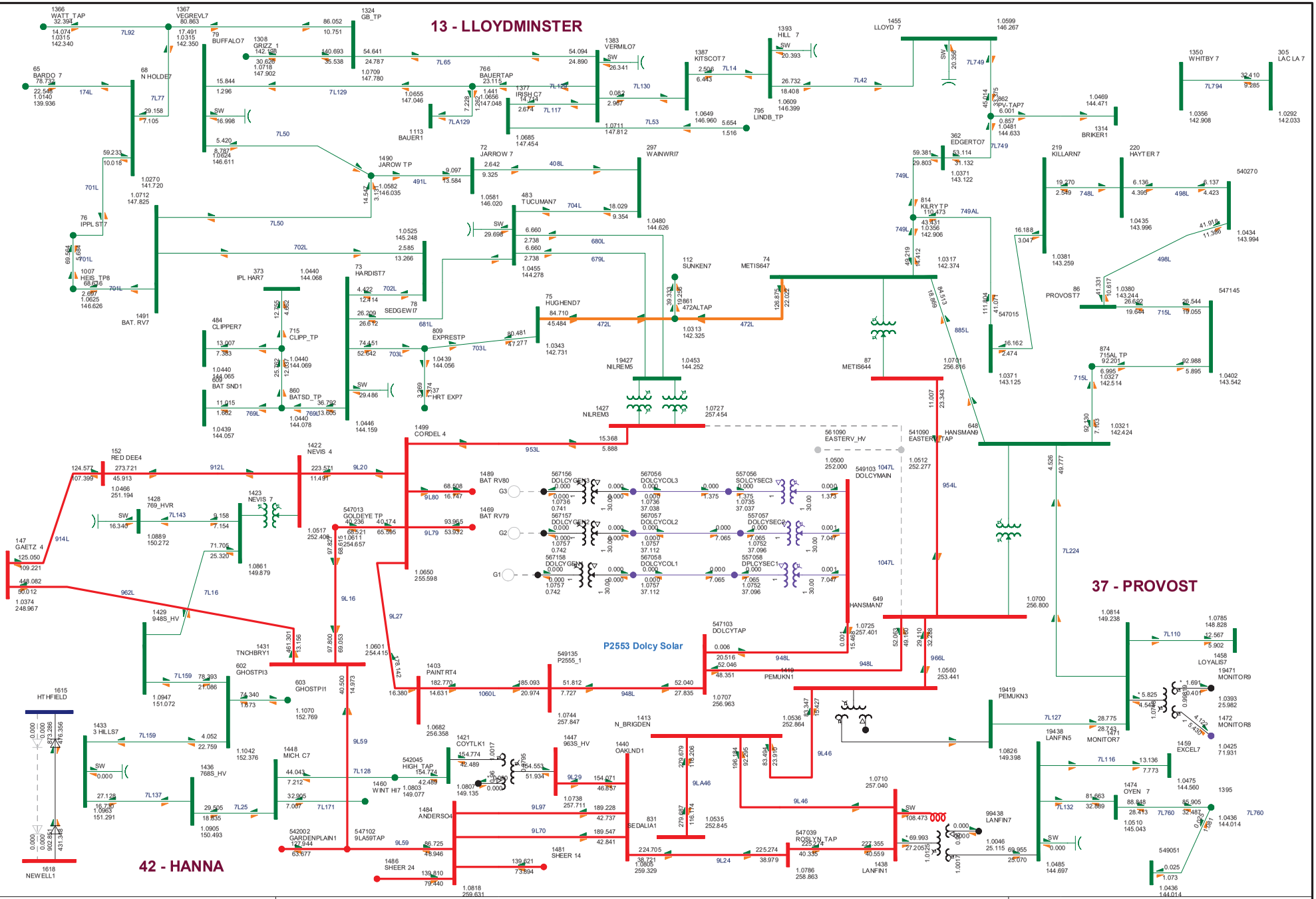


P2553 Dolcy Solar Battery MPC

FIGURE A2.2-17 N-1: 715L (HANSMAN LAKE 650S TO PROVOST 545S)
2028 SUMMER PEAK HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

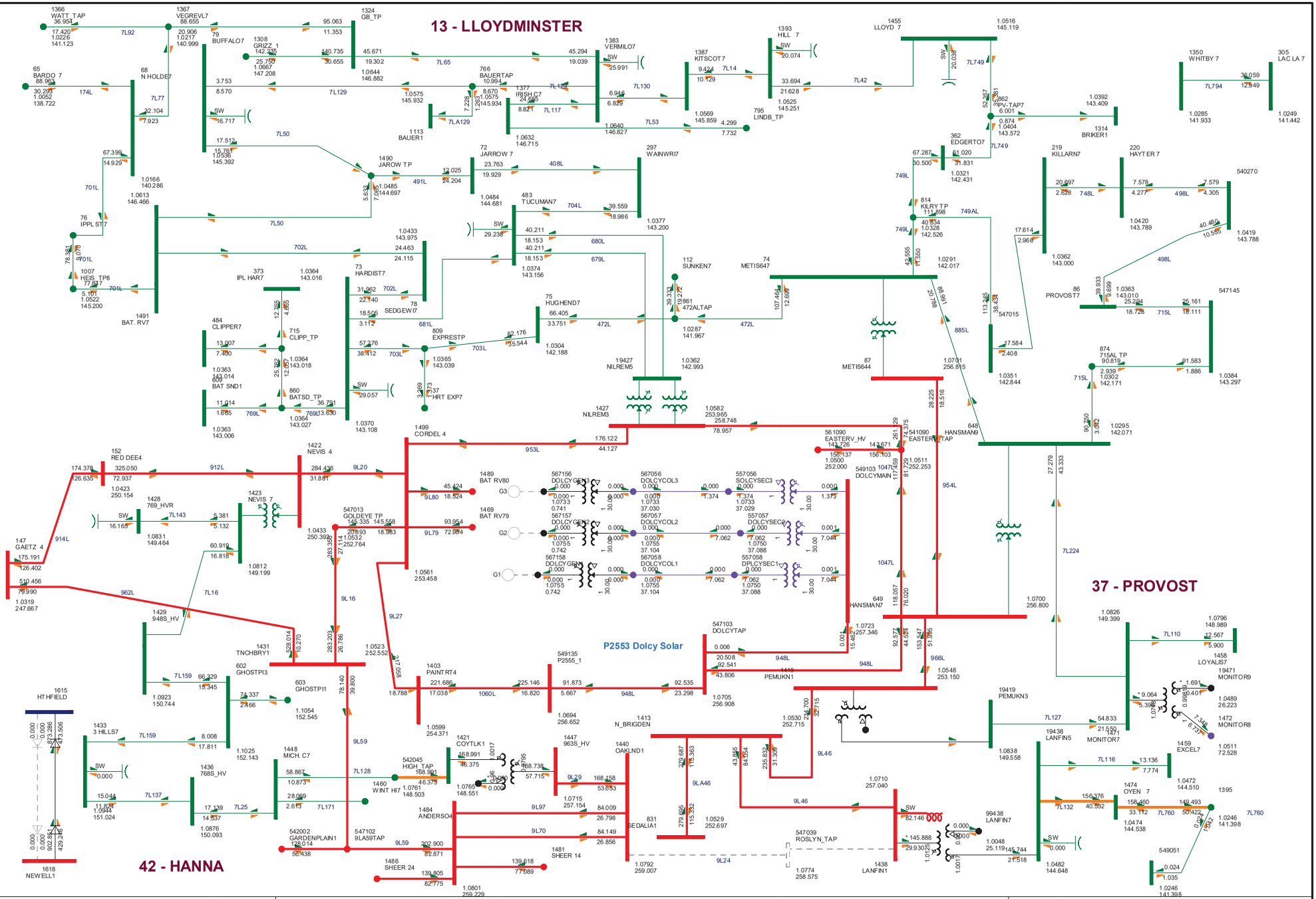


P2553 Dolcy Solar Battery MPC

FIGURE A2.2-18 N-1: 1047L (HANSMAN LAKE 650S TO NILREM 574S)
2028 SUMMER PEAK HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

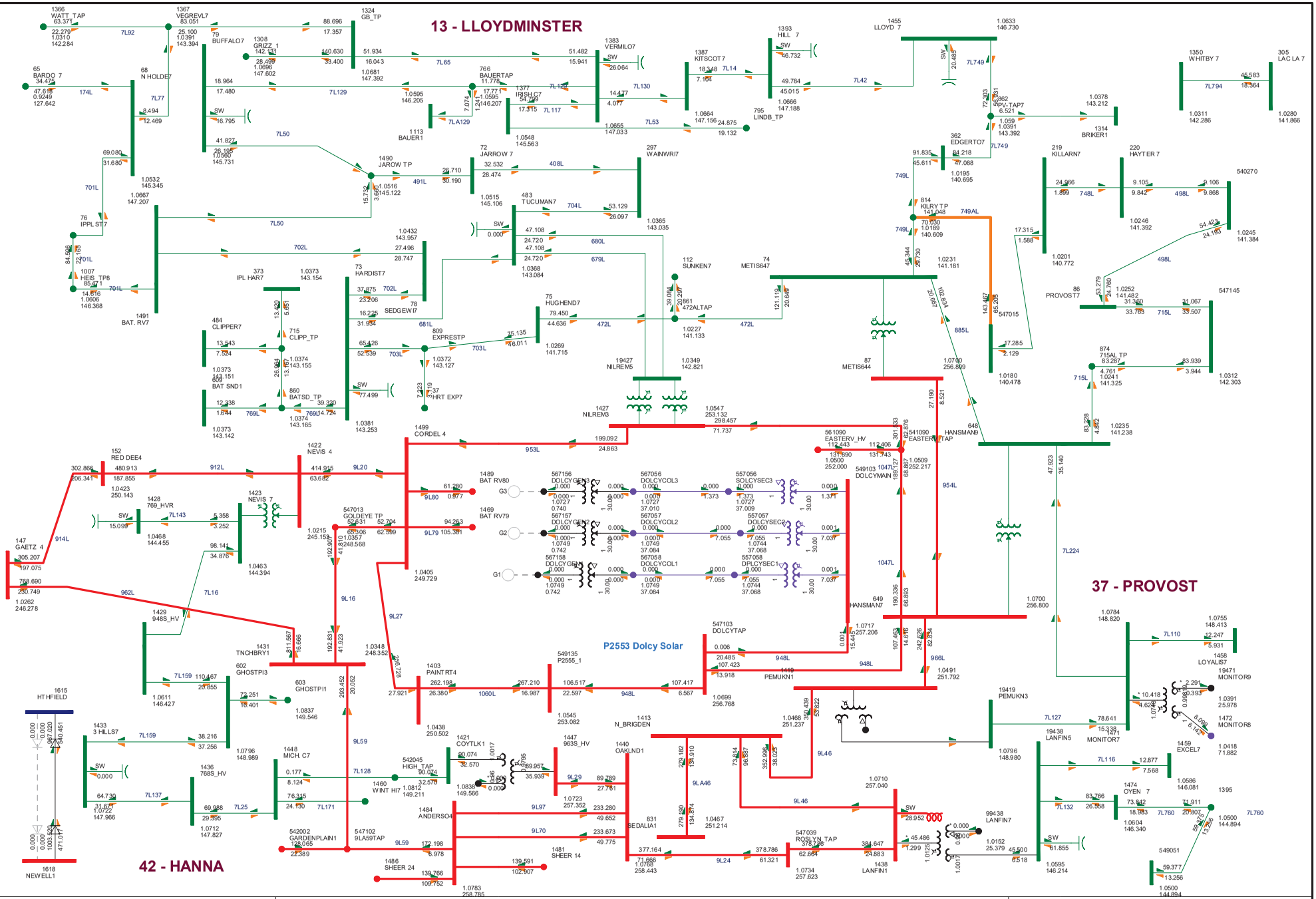


P2553 Dolcy Solar Battery MPC

FIGURE A2.2-19 N-1: 9L24 (OAKLAND 946S - LANFINE 959S)
2028 SUMMER PEAK HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

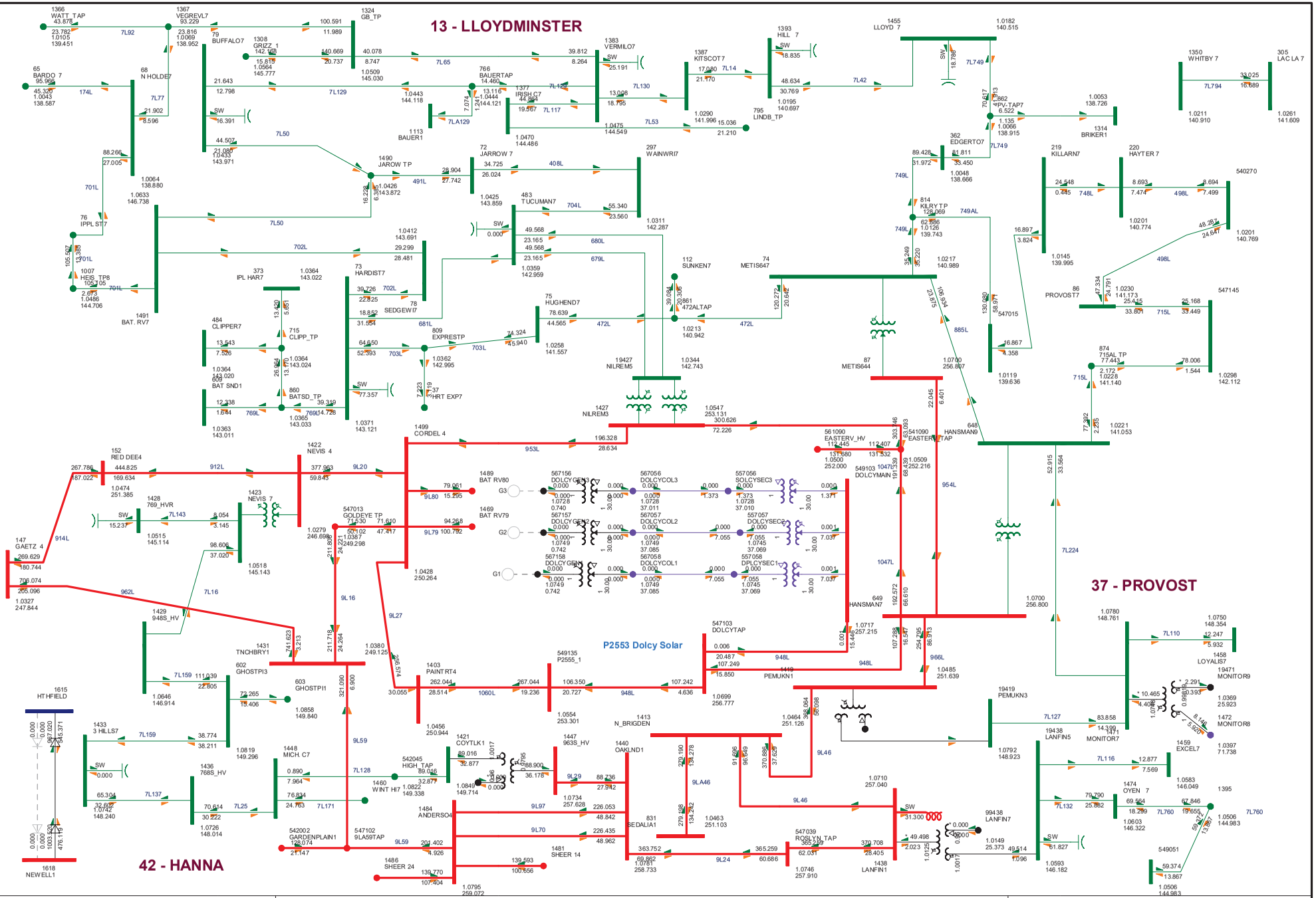


P2553 Dolcy Solar Battery MPC

FIGURE A2.3-0-N-0: NORMAL OPERATION
2028 WINTER PEAK HG (PRE-CONNECTION), Pre-Curtailment
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
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1367 VEGREVL7
1324 GB_TP
65 BARDO 7
68 N HOLDE7
79 BUFFALO7
1308 GRIZZ 1
766 BAUERTAP
1377 IRISH_C7
1383 VERMILO7
1387 KITSCOT7
1393 HILL 7
1455 LLOYD 7
795 LINDB_TP
1113 BAUER1
1314 BRIKER1
1350 WHITBY 7
305 LAC LA 7
362 EDGERTO7
219 KILLARN7
220 HAYTER 7
540270
814 KILRY TP
547015
547145
86 PROVOST7
874 715AL TP
72 JARROW 7
297 WAINWRI7
1490 JAROW TP
483 TUCUMAN7
112 SUNKEN7
74 METIS647
87 METIS644
76 IPPL ST7
1007 HEIS_TP8
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
484 CLIPPER7
715 CLIPP_TP
809 EXPRESTP
75 HUGHEND7
860 BATSD_TP
HRT EXP7
472ALTAP
19427 NILREM5
1427 NILREM3
1499 CORDEL 4
1422 NEVIS 4
152 RED DEE4
1423 NEVIS 7
1428 769_HVR
147 GAETZ 4
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1403 PAINTRT4
1489 BAT RV80
1469 BAT RV79
567156 DOLCYGEN3
567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 DOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
547013 GOLDEYE TP
547103 DOLCYTAP
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541090 EASTERV_TAP
549103 DOLCYMAIN
648 HANSMAN8
649 HANSMAN7
1419 PEMUKN1
19419 PEMUKN3
1615 HTHFIELD
1618 NEWELL1
1433 3 HILLS7
1436 768S_HV
1448 MICH_C7
1460 WINT HI7
542045 HIGH_TAP
1421 COYTLK1
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
831 SEDALIA1
1484 ANDERSO4
542002 GARDENPLAIN1
547102 9LA59TAP
1481 SHEER 14
1486 SHEER 24
547039 ROSLYN_TAP
1438 LANFIN1
99438 LANFIN7
19438 LANFIN5
1471 MONITOR7
1472 MONITOR8
19471 MONITOR9
1458 LOYALIS7
1459 EXCEL7
1474 OYEN 7
549051
1395
1506 144.983
1603 146.322
1593 146.182
1592 146.049
1583 146.049
1397 71.738
1369 25.923
1399 148.923
1792 148.761
1780 148.761
1750 148.354
1700 256.800
1700 256.807
1485 251.639
1464 251.126
1463 251.103
1474 251.385
1699 256.777
1717 257.215
1710 257.040
1746 257.910
1781 258.733
1795 259.072
1734 257.628
1699 257.249
1654 253.301
1554 253.301
1547 253.131
1485 251.639
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1456 250.944
1428 250.264
1380 249.125
1387 249.298
1279 246.698
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1298 142.112
1201 140.769
1201 140.774
1230 141.173
1217 140.989
1213 140.942
1211 140.910
1182 140.515
1261 141.609
1145 144.706
1144 144.121
1143 144.118
1143 144.023
1143 143.971
1143 143.859
1143 143.691
1143 143.033
1143 143.024
1143 143.022
1143 143.011
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1142 142.287
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1146 146.049
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1144 144.983
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1143 143.859
1143 143.691
1143 143.033
1143 143.024
1143 143.022
1143 143.011
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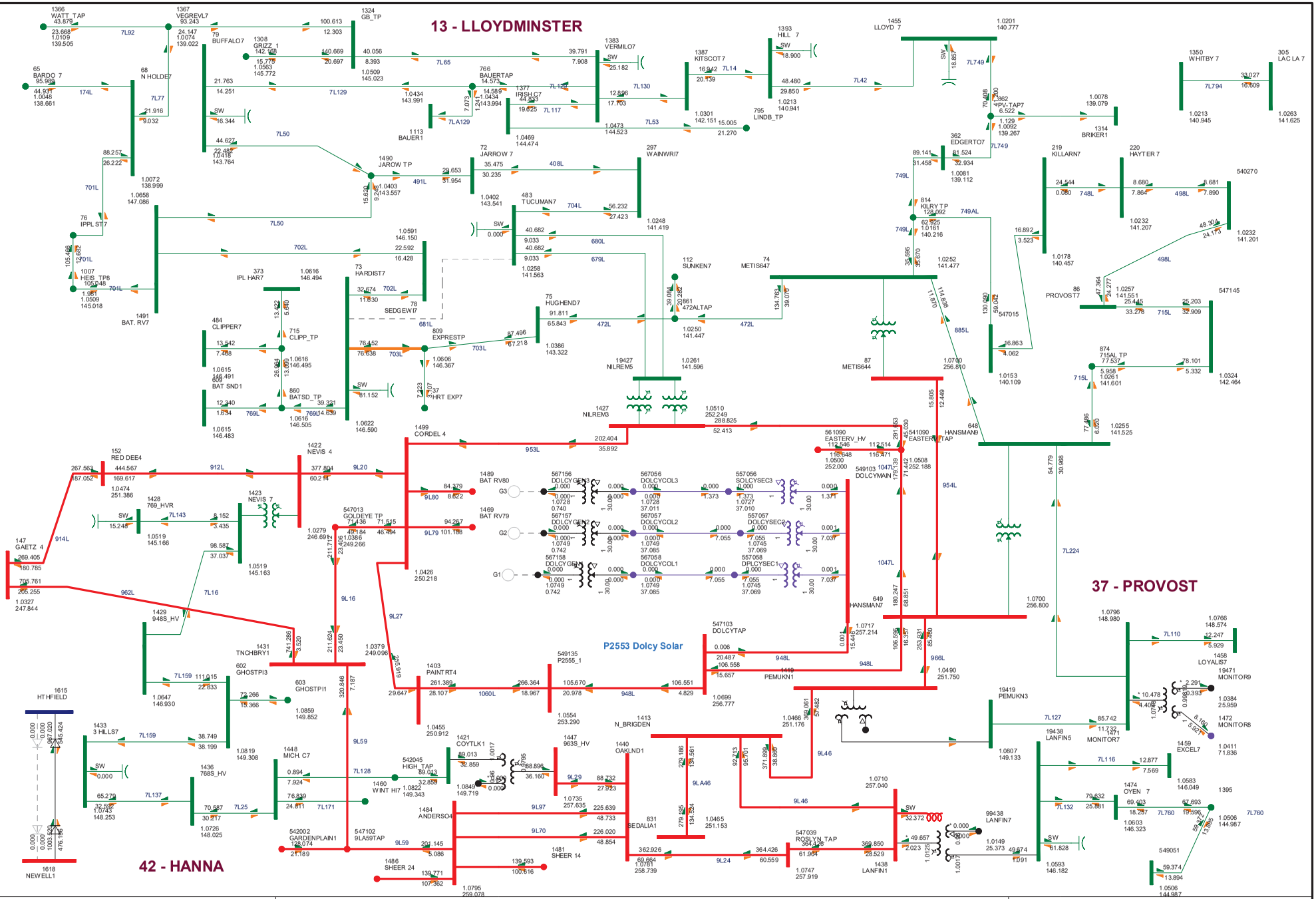
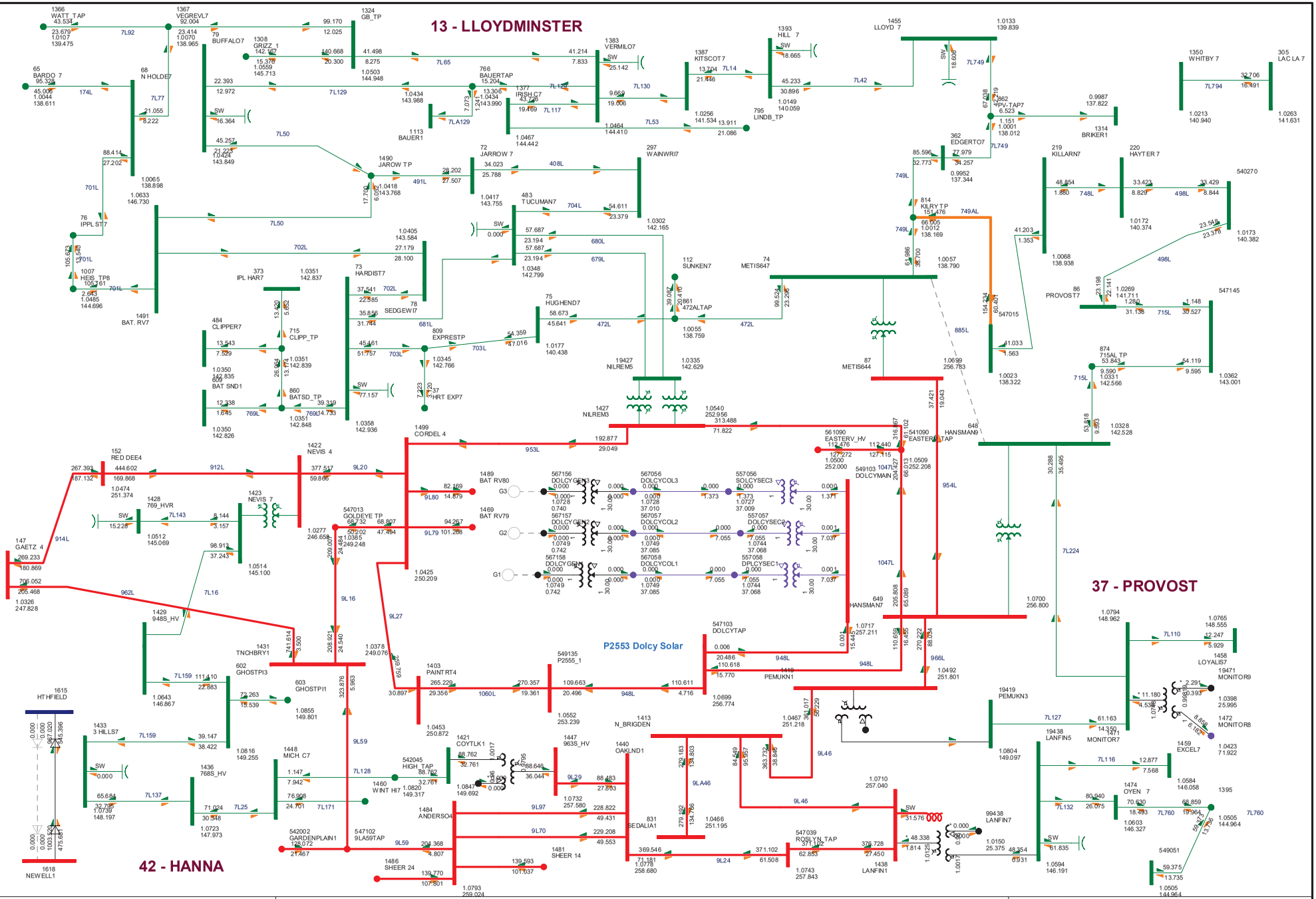


P2553 Dolcy Solar Battery MPC

FIGURE A2.3-2 N-1: 681L (HARDISTY 377S TO TUCUMAN 478S)
2028 WINTER PEAK HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

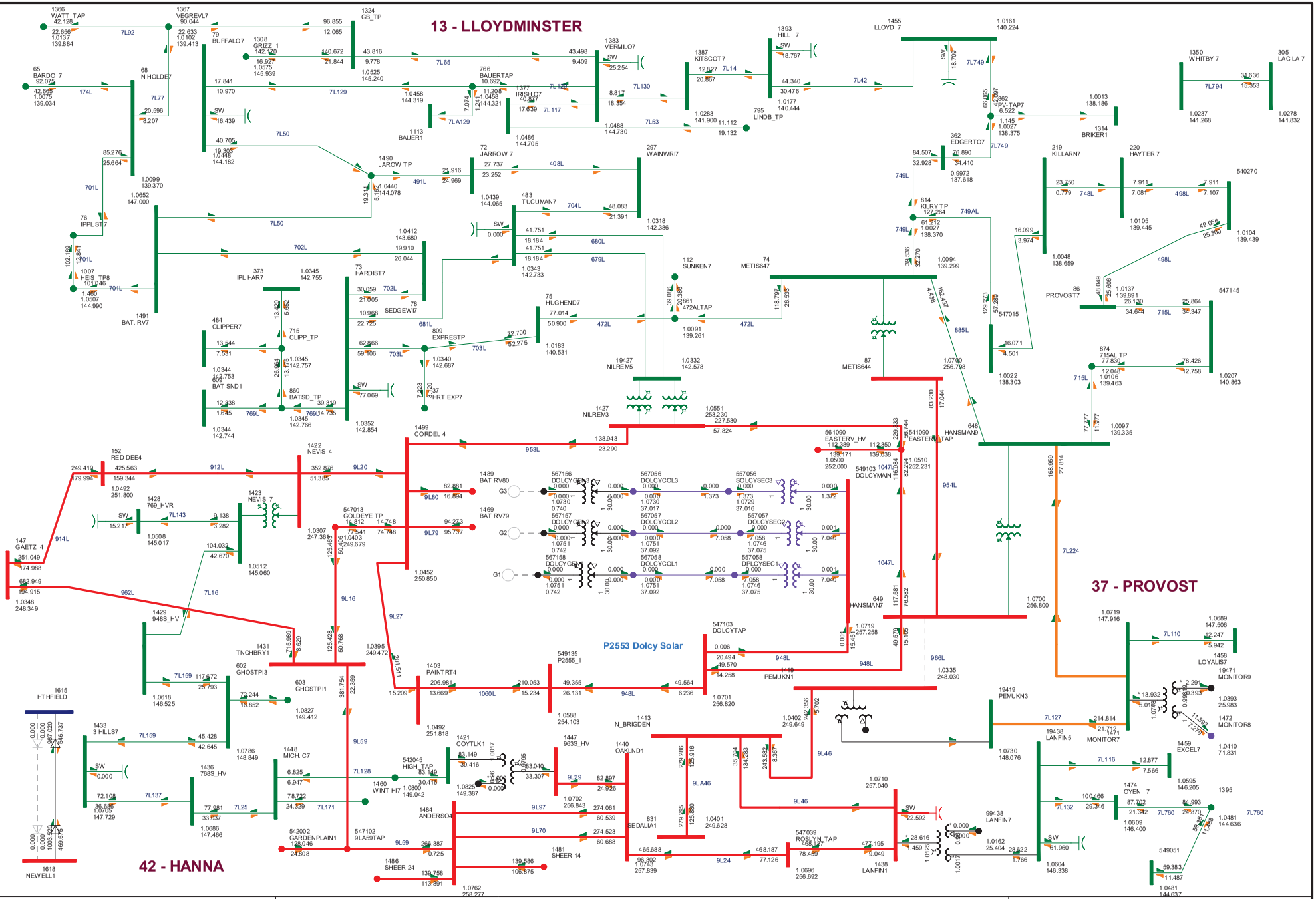


P2553 Dolcy Solar Battery MPC

FIGURE A2.3-3 N-1: 885L (METISKOW 648S TO HANSMAN LAKE 650S)
2028 WINTER PEAK HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

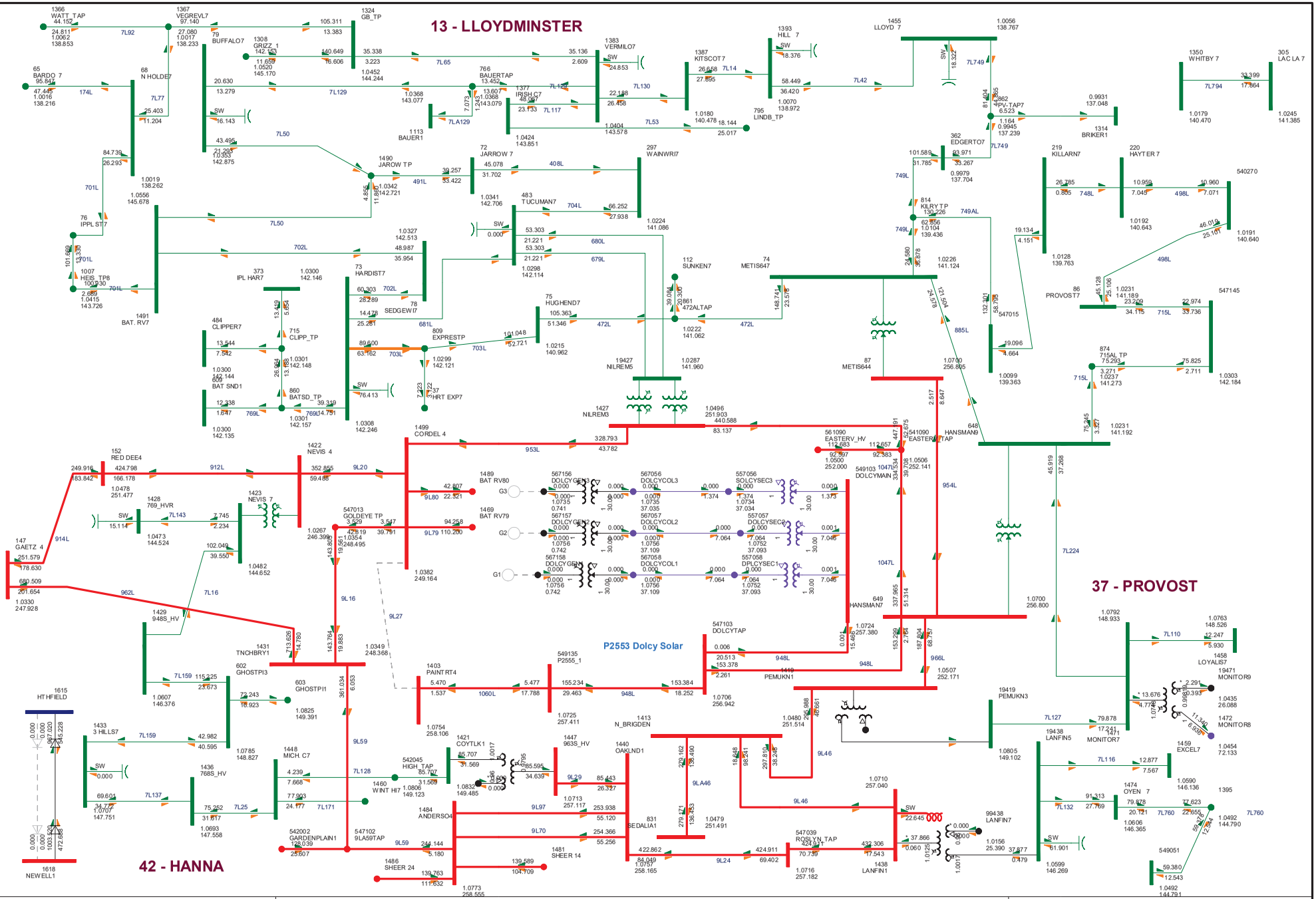


P2553 Dolcy Solar Battery MPC

FIGURE A2.3-4 N-1: 966L (HANSMAN LAKE 650S TO PEMUKAN 932S)
2028 WINTER PEAK HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

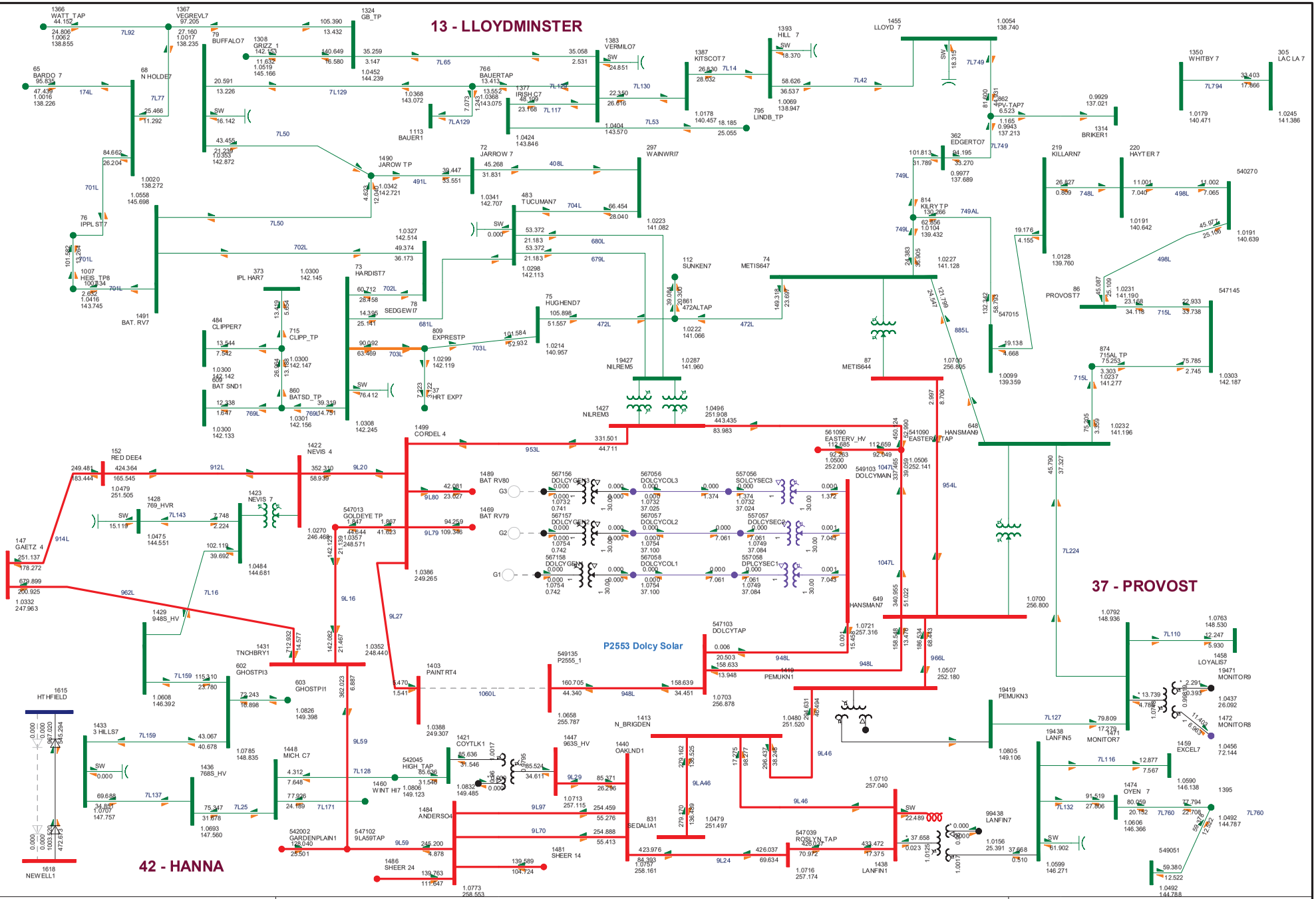


P2553 Dolcy Solar Battery MPC

FIGURE A2.3-5 N-1: 9L27 (PAINTEARTH CREEK 863S TO CORDEL 755S)
2028 WINTER PEAK HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000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37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
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1383 VERMILO7
1387 KITSCOT7
1393 HILL_7
1455 LLOYD 7
1350 WHITBY 7
305 LAC LA 7
65 BARDO_7 95.835
68 N HOLDE7
766 BAUERTAP 13.413
1377 IRISH_C7 48.109
795 LINDB_TP
1113 BAUER1
1314 BRIKER1
362 EDGERTO7
1490 JAROW TP
72 JARROW 7
297 WAINWRI7
483 TUCUMAN7
76 IPPL ST7
1007 HEIS_TP8
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
484 CLIPPER7
715 CLIPP_TP
609 BAT SND1
860 BATSD_TP
809 EXPRESTP
HRT EXP7
75 HUGHEND7
112 SUNKEN7
74 METIS647
472ALTAP
814 KILRY TP
749AL
219 KILLARN7
220 HAYTER 7
540270
86 PROVOST7
874 715AL TP 75.253
547145
547015
87 METIS644
19427 NILREM5
1427 NILREM3
1499 CORDEL 4
561090 EASTERV_HV
541090 EASTERV_TAP
549103 DOLCYMAIN
648 HANSMAN8
649 HANSMAN7
152 RED DEE4
1422 NEVIS 4
1423 NEVIS 7
1428 769_HVR
147 GAETZ 4
547013 GOLDEYE TP
1489 BAT RV80
1469 BAT RV79
567156 DOLCYGEN3
567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 SOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
547103 DOLCYTAP
549135 P2555_1
1419 PEMUKN1
19419 PEMUKN3
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1403 PAINTRT4
1615 HTHFIELD
1618 NEWELL1
1433 3 HILLS7
1436 768S_HV
1448 MICH_C7
542045 HIGH_TAP
1460 WINT HI7
1421 COYTLK1
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
1484 ANDERSO4
831 SEDALIA1
542002 GARDENPLAIN1
547102 9LA59TAP
1481 SHEER 14
1486 SHEER 24
547039 ROSLYN_TAP
99438 LANFIN7
1438 LANFIN1
19438 LANFIN5
1471 MONITOR7
1472 MONITOR8
1458 LOYALI57
1459 EXCEL7
1474 OYEN 7
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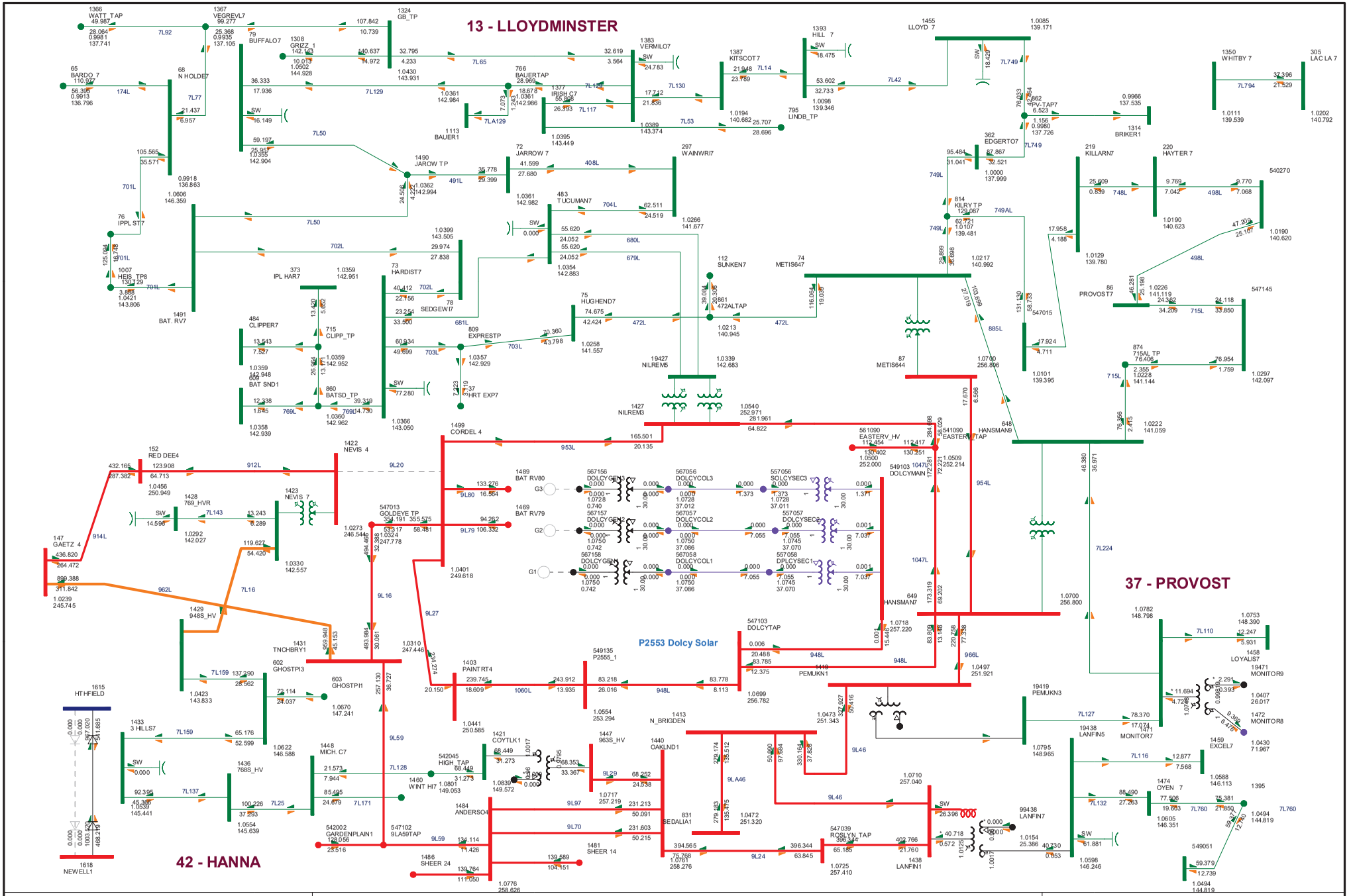
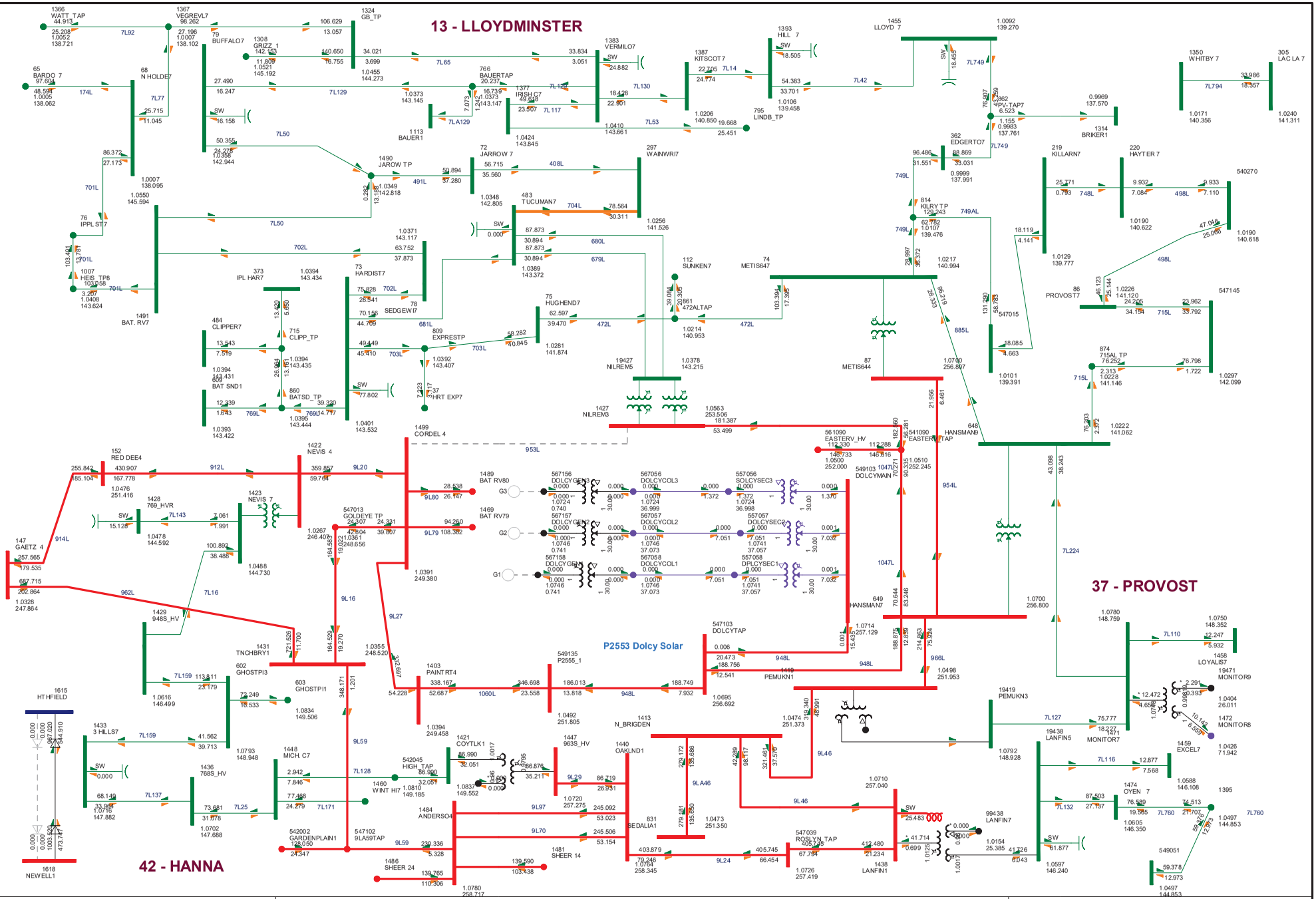


P2553 Dolcy Solar Battery MPC

FIGURE A2.3-7 N-1: 9L20 (NEVIS 766S TO CORDEL 755S)
2028 WINTER PEAK HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

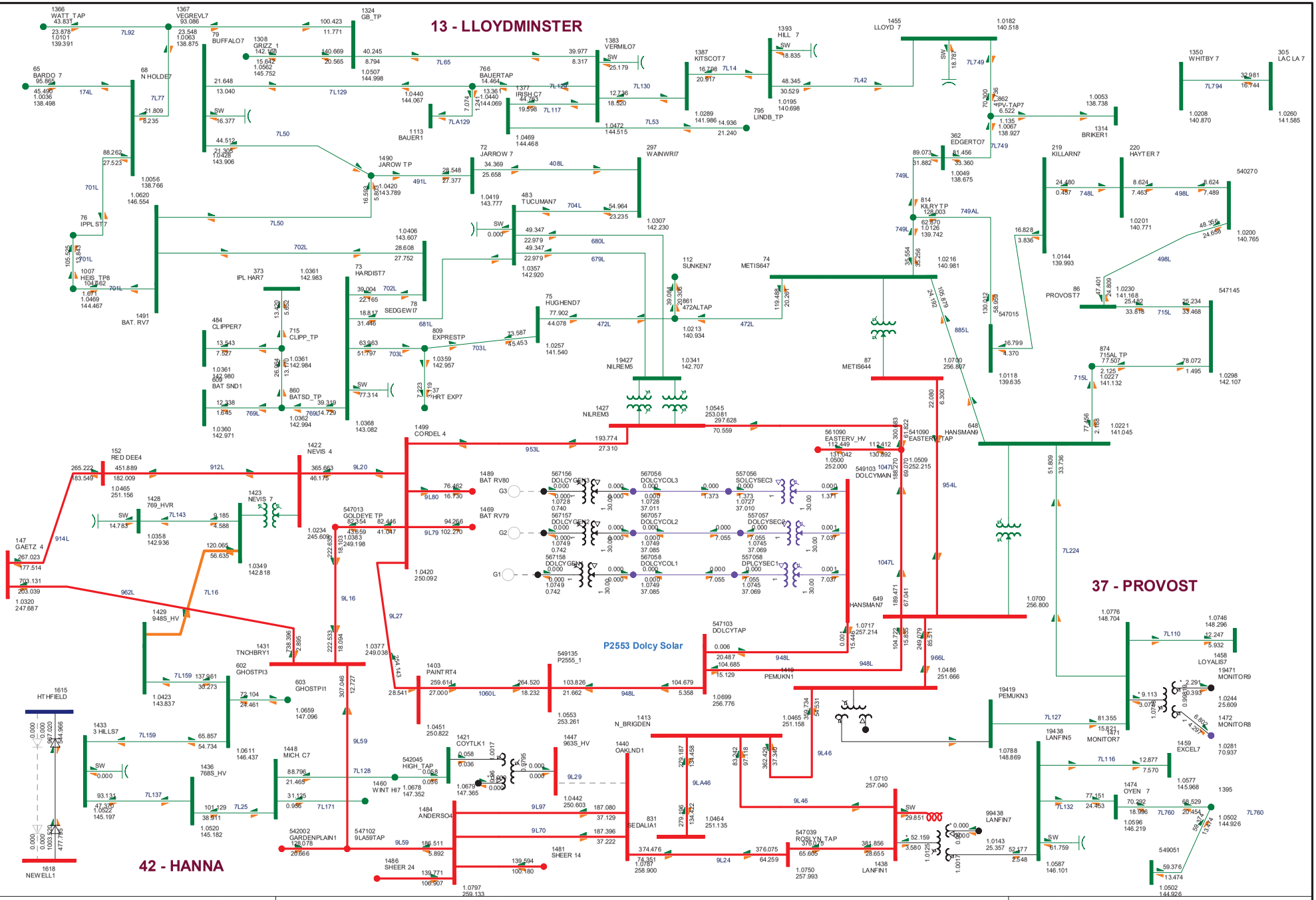


P2553 Dolcy Solar Battery MPC

FIGURE A2.3-8 N-1: 953L (NILREN 574S TO CORDEL 755S)
2028 WINTER PEAK HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

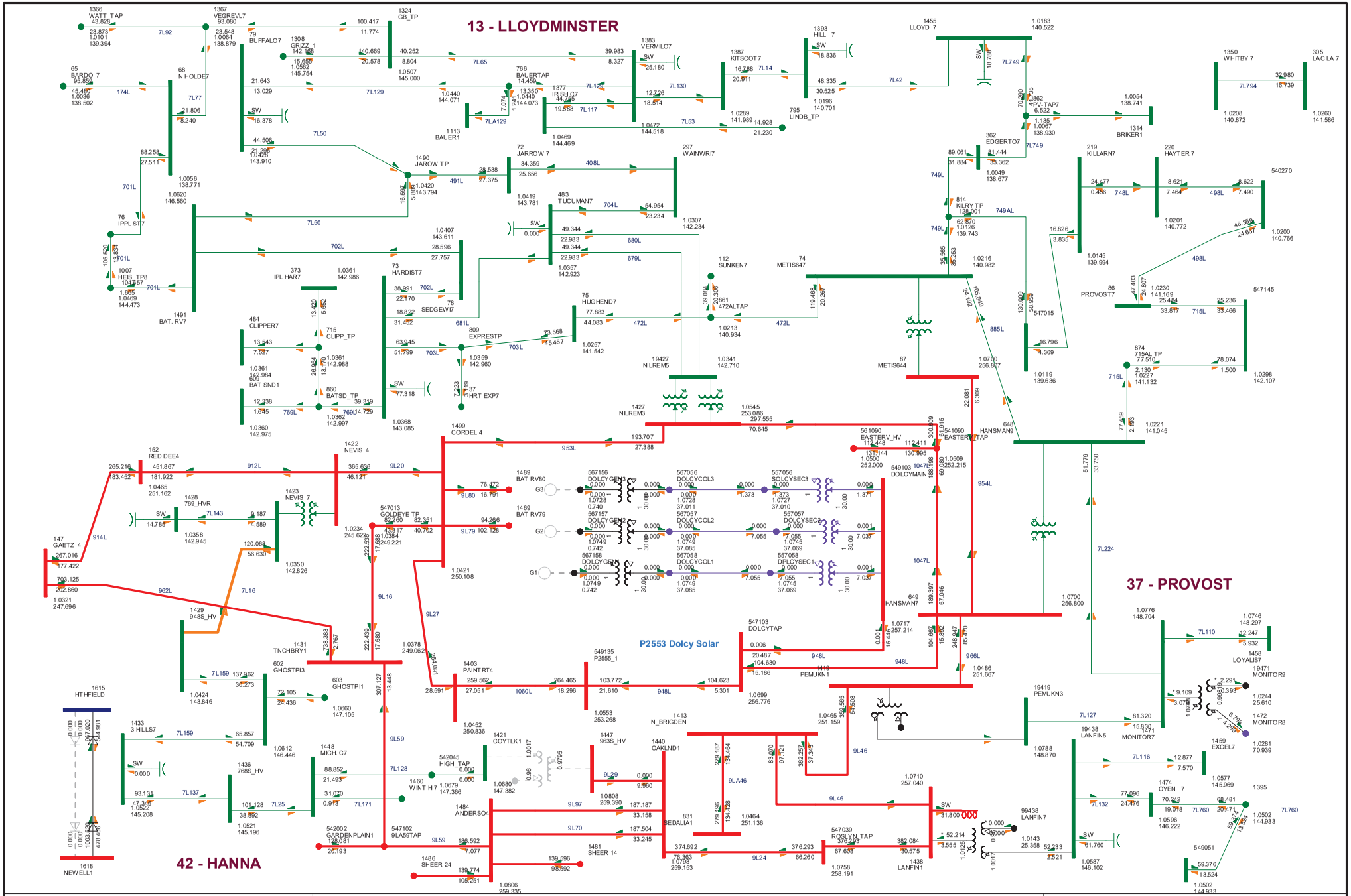


P2553 Dolcy Solar Battery MPC

FIGURE A2.3-9 N-1: 9L29 (OAKLAND 946S TO COYOTE LAKE 963S)
2028 WINTER PEAK HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

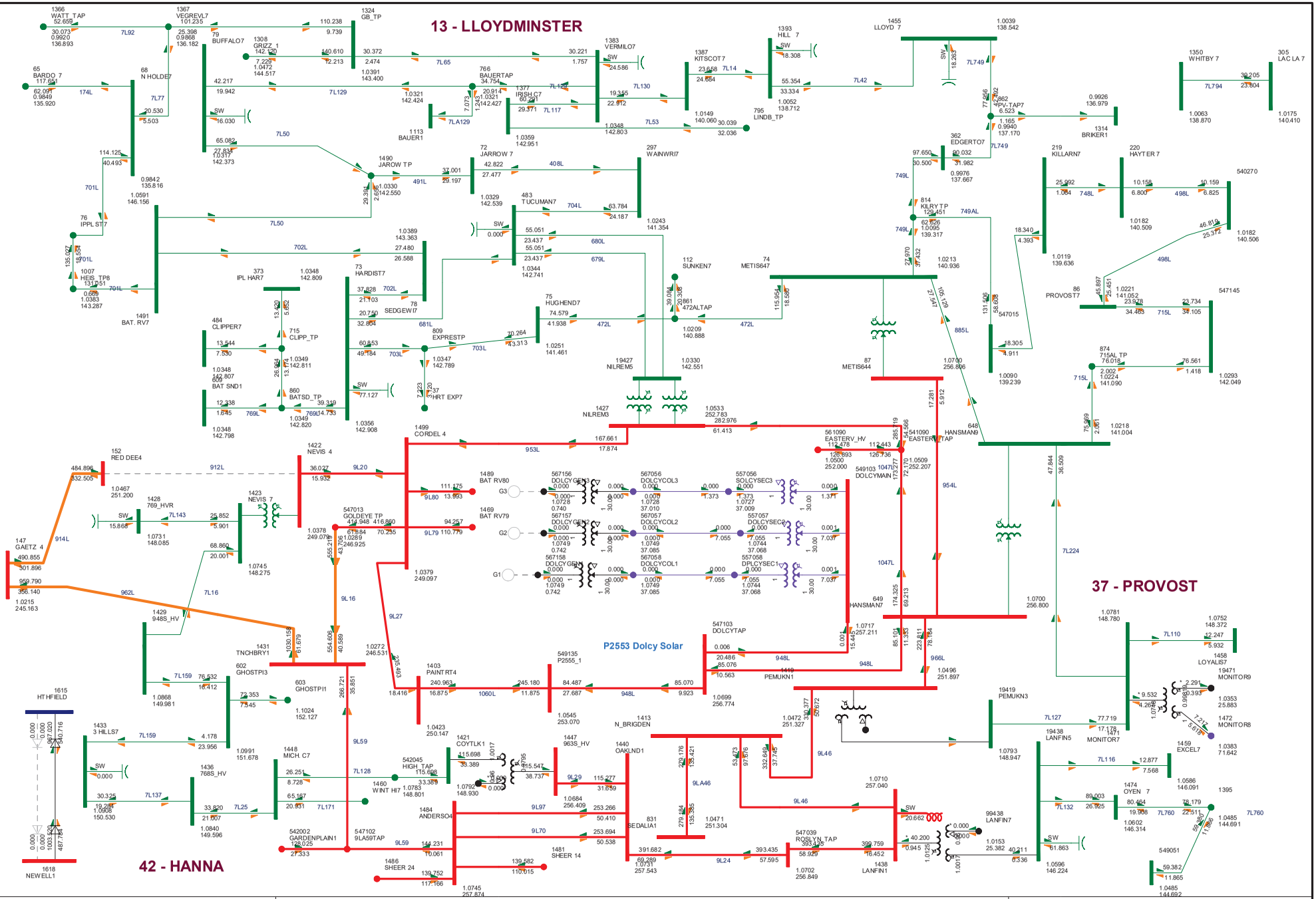


P2553 Dolcy Solar Battery MPC

FIGURE A2.3-10 N-1: 963S T1 (COYOTE LAKE 963S TRANSFORMER T1)
2028 WINTER PEAK HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

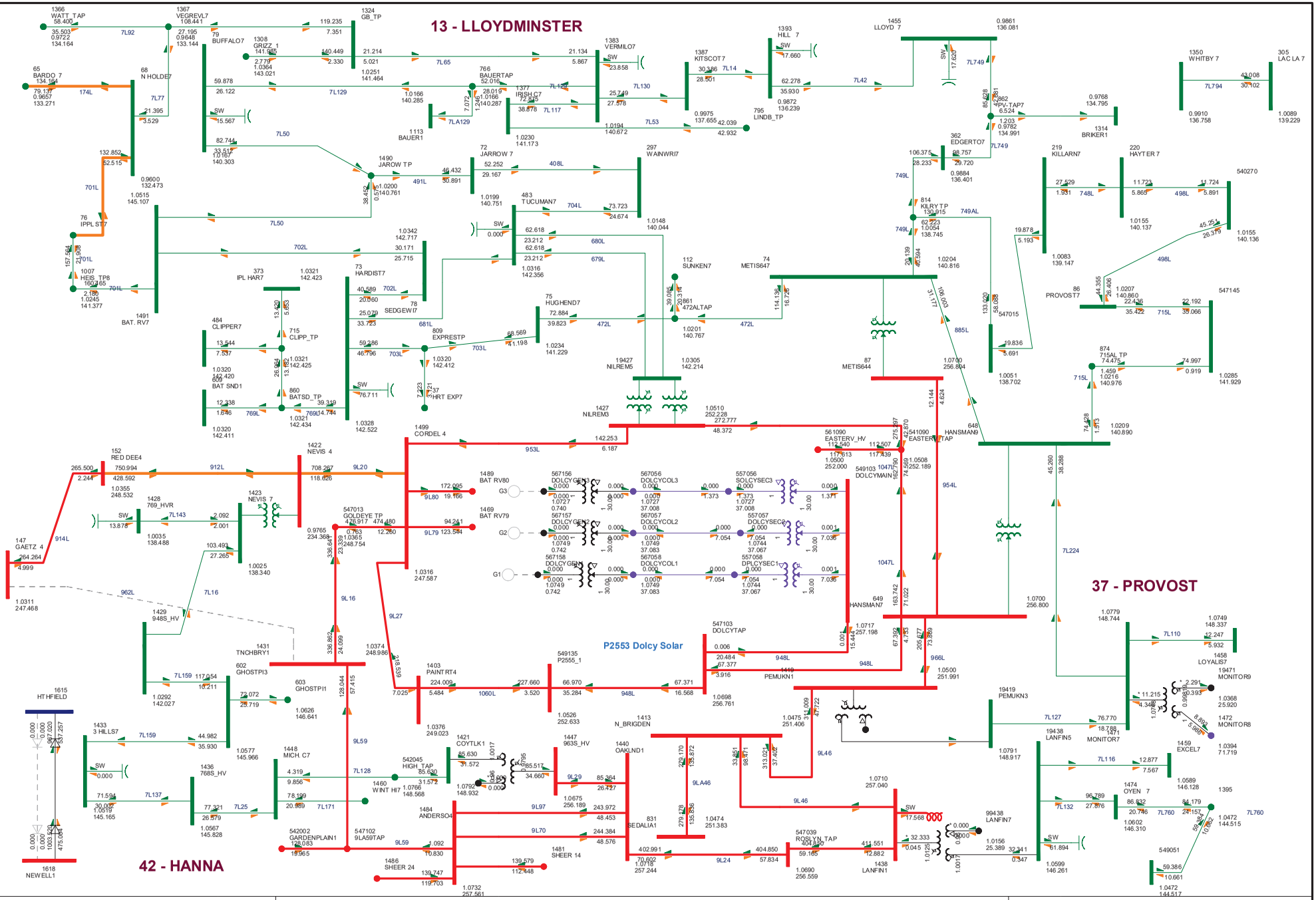


P2553 Dolcy Solar Battery MPC

FIGURE A2.3-11 N-1: 912L (NEVIS 766S TO RED DEER 63S)
2028 WINTER PEAK HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
1366 WATT_TAP 58.400
1367 VEGREVL7 108.441
1324 GB_TP
1308 GRIZZ_1 141.385
1383 VERMILO7
1387 KITSCOT7
1393 HILL_7
1455 LLOYD 7
1350 WHITBY 7
305 LAC LA 7
65 BARDO_7 134.164
68 N HOLDE7
766 BAUERTAP 52.016
1377 IRISH_C7 72.345
795 LINDB_TP
1113 BAUER1
1490 JAROW TP
72 JARROW 7
297 WAINWRI7
483 TUCUMAN7
112 SUNKEN7
74 METIS647
362 EDGERTO7
814 KILRY TP 130.915
219 KILLARN7
220 HAYTER 7
540270
1314 BRIKER1
76 IPPL ST7
1007 HEIS_TP8 150.265
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
484 CLIPPER7
715 CLIPP_TP
606 BAT SND1
860 BATSD_TP
809 EXPRESTP
HRT EXP7
75 HUGHEND7
472ALTAP
86 PROVOST7
547145
547015
874 715AL TP 74.475
19427 NILREM5
87 METIS644
1427 NILREM3
1499 CORDEL 4
561090 EASTERV_HV 112.540
541090 EASTERV_TAP
648 HANSMAN8
549103 1047L DOLCYMAIN
152 RED DEE4
1422 NEVIS 4
1423 NEVIS 7
1428 769_HVR
147 GAETZ 4
914L
962L
912L
953L
954L
1047L
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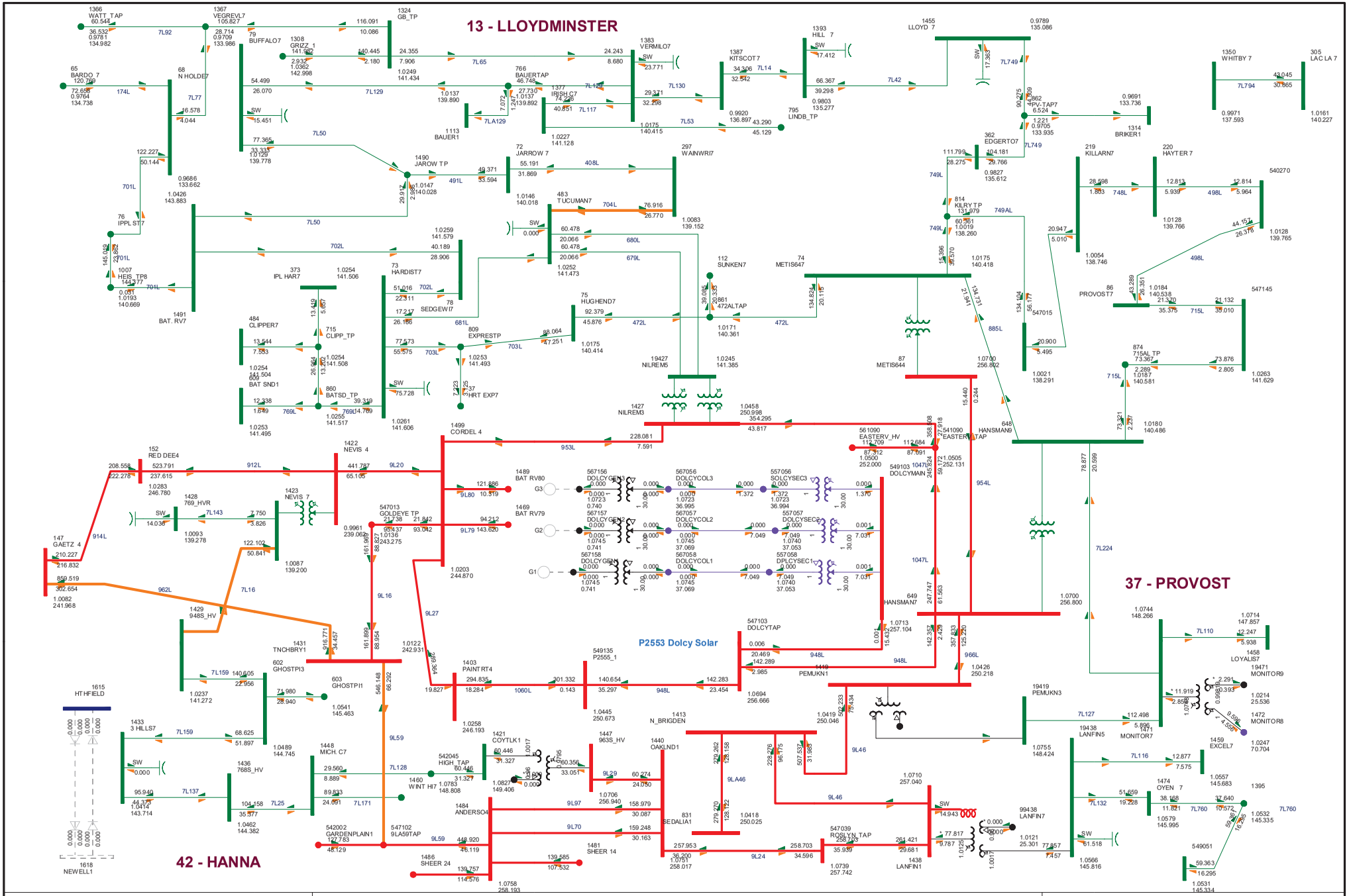
1469 BAT RV79
567156 DOLCYGEN3
567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 DOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
547013 GOLDEYE TP
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1403 PAINTRT4
549135 P2555_1
547103 DOLCYTAP
1419 PEMUKN1
649 HANSMAN7
19419 PEMUKN3
1458 LOYALIS7
19471 MONITOR9
1472 MONITOR8
1471 MONITOR7
1459 EXCEL7
1474 OYEN 7
1395
1615 HTHFIELD
1433 3 HILLS7
1436 768S_HV
1448 MICH. C7
1460 WINT HI7
542045 HIGH_TAP
1421 COYTLK1
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
1484 ANDERSO4
831 SEDALIA1
542002 GARDENPLAIN1
547102 9LA59TAP
547039 ROSLYN_TAP
99438 LANFIN7
19438 LANFIN5
1438 LANFIN1
1481 SHEER 14
1486 SHEER 24
1618 NEWELL1
549051
P2553 Dolcy Solar Battery MPC
FIGURE A2.3-12 N-1: 962L/9L62 (TINCHEBRAY 972S TO GAETZ 87S)
2028 WINTER PEAK HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025
Page 122 of 615
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000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37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
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1308 GRIZZ_1 141.882
1383 VERMILO7
1387 KITSCOT7
1393 HILL_7
1455 LLOYD 7
1350 WHITBY 7
305 LAC LA 7
65 BARDO_7 120.769
68 N HOLDE7
766 BAUERTAP 46.748
1377 IRISH_C7 74.226
795 LINDB_TP
362 EDGERTO7 104.181
1314 BRIKER1
1490 JAROW TP
72 JARROW 7 55.191
297 WAINWRI7
483 TUCUMAN7
814 KILRY TP 131.979
219 KILLARN7
220 HAYTER 7
540270
76 IPPL ST7
1007 HEIS_TP8 144.377
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
484 CLIPPER7
715 CLIPP_TP
809 EXPRESTP
HRT EXP7
860 BATSD_TP
BAT SND1
75 HUGHEND7
112 SUNKEN7
74 METIS647
472ALTAP
86 PROVOST7
547145
547015
874 715AL TP 73.367
152 RED DEE4 523.791
1422 NEVIS 4 441.787
1499 CORDEL 4
1427 NILREM3
19427 NILREM5
87 METIS644
561090 EASTERV_HV 112.709
541090 EASTERV_TAP
648 HANSMAN8
1428 769_HVR
1423 NEVIS 7
547013 GOLDEYE TP 21.738
1489 BAT RV80
1469 BAT RV79
567156 DOLCYGEN3
567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 DOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
549103 DOLCYMAIN
1047L
954L
649 HANSMAN7 247.747
147 GAETZ_4 210.227
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1403 PAINTRT4
549135 P2555_1
547103 DOLCYTAP
1419 PEMUKN1
19419 PEMUKN3
1615 HTHFIELD
1433 3 HILLS7
1436 768S_HV
1448 MICH. C7
1421 COYTLK1
542045 HIGH_TAP
1460 WINT HI7
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
831 SEDALIA1
1484 ANDERSO4
542002 GARDENPLAIN1
547102 9LA59TAP
1481 SHEER 14
1486 SHEER 24
1618 NEWELL1
547039 ROSLYN_TAP
1438 LANFIN1
99438 LANFIN7
19438 LANFIN5
1471 MONITOR7
19471 MONITOR9
1472 MONITOR8
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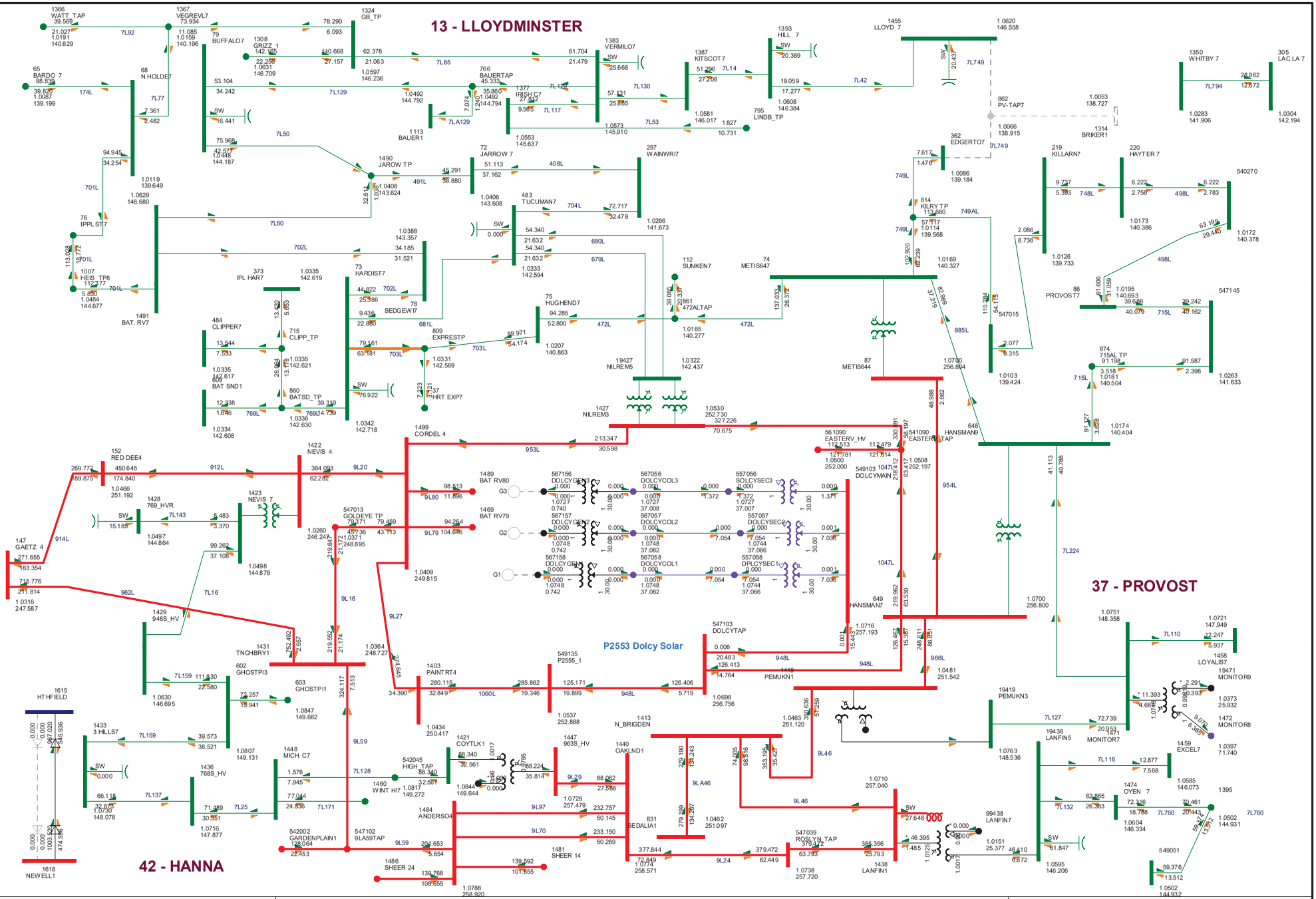
7L50

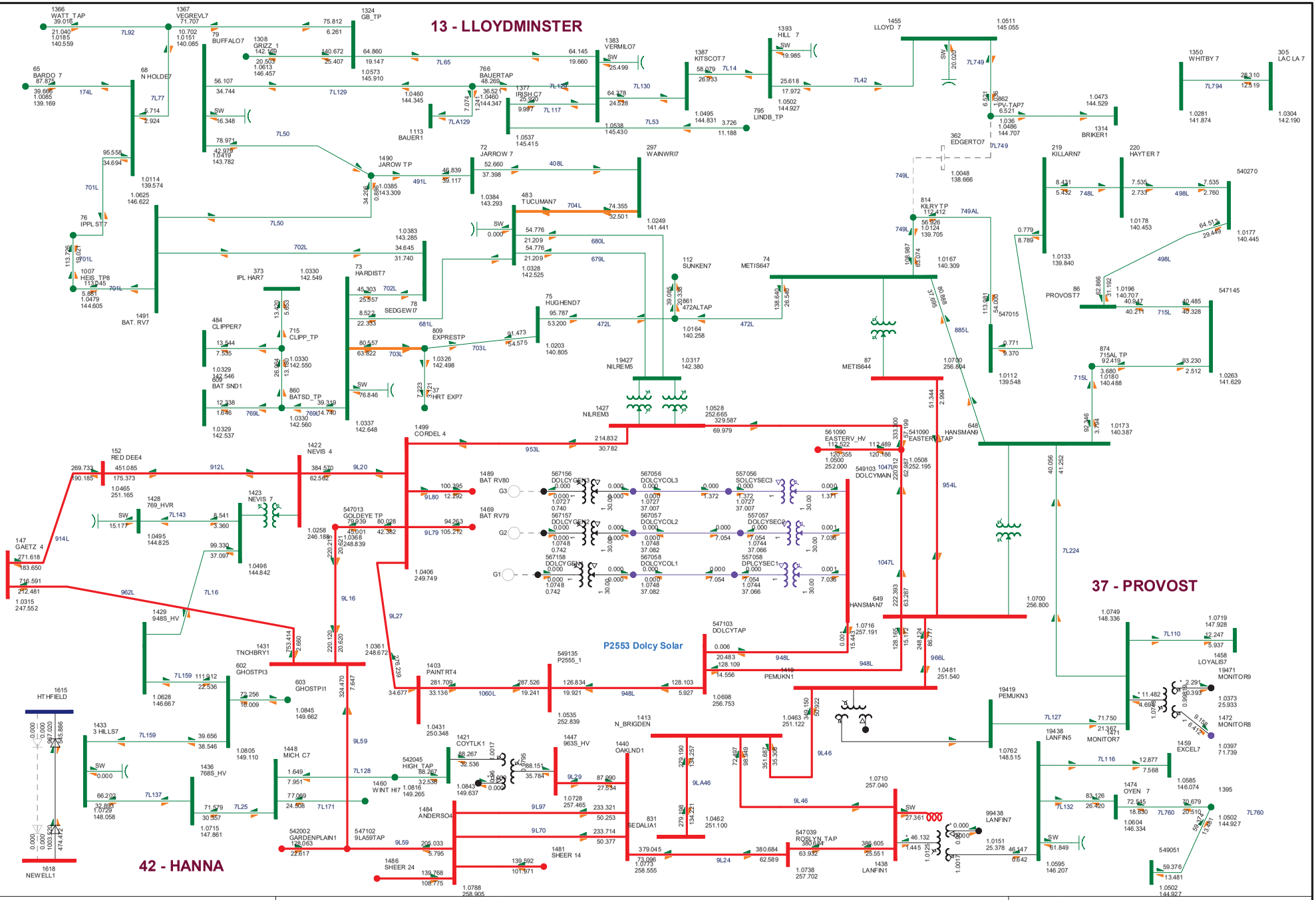


P2553 Dolcy Solar Battery MPC

FIGURE A2.3-14 N-1: 749L/7L749 (EDGERTON 899S TO LLOYDMINSTER 716S)
2028 WINTER PEAK HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

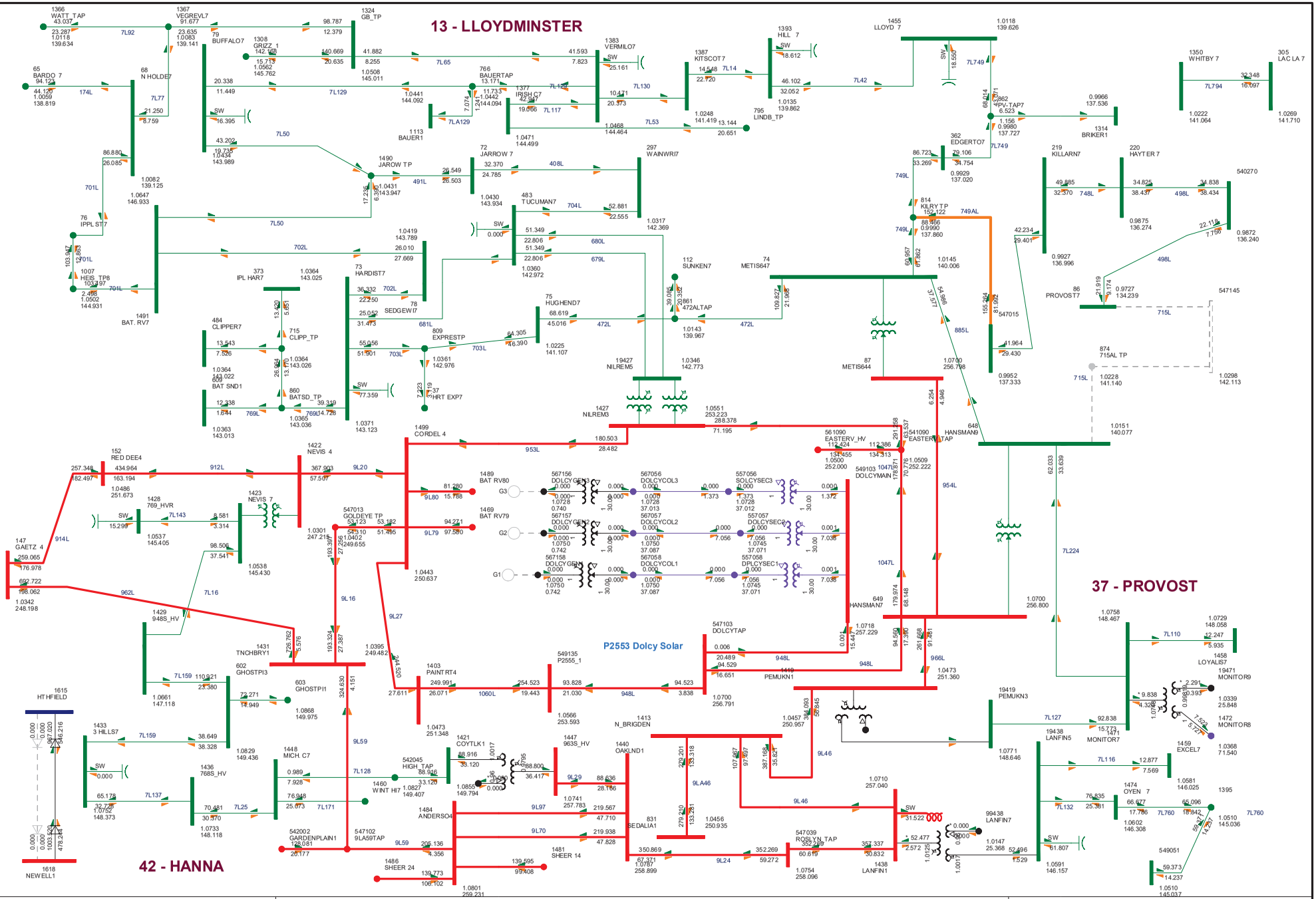


P2553 Dolcy Solar Battery MPC

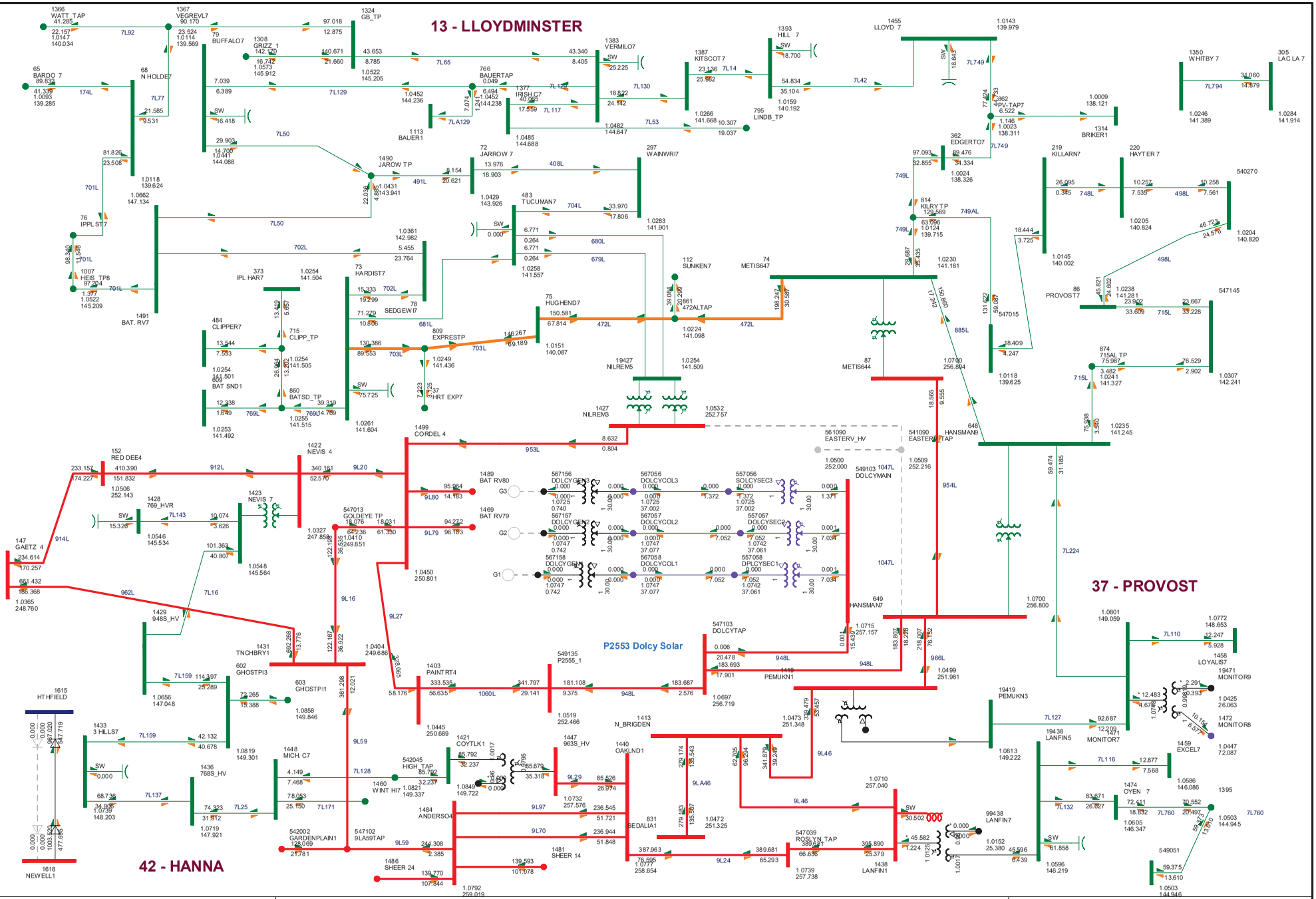
FIGURE A2.3-15 N-1: EDGERTON 899S TRANSFORMER T1
2028 WINTER PEAK HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000



P2553 Dolcy Solar Battery MPC

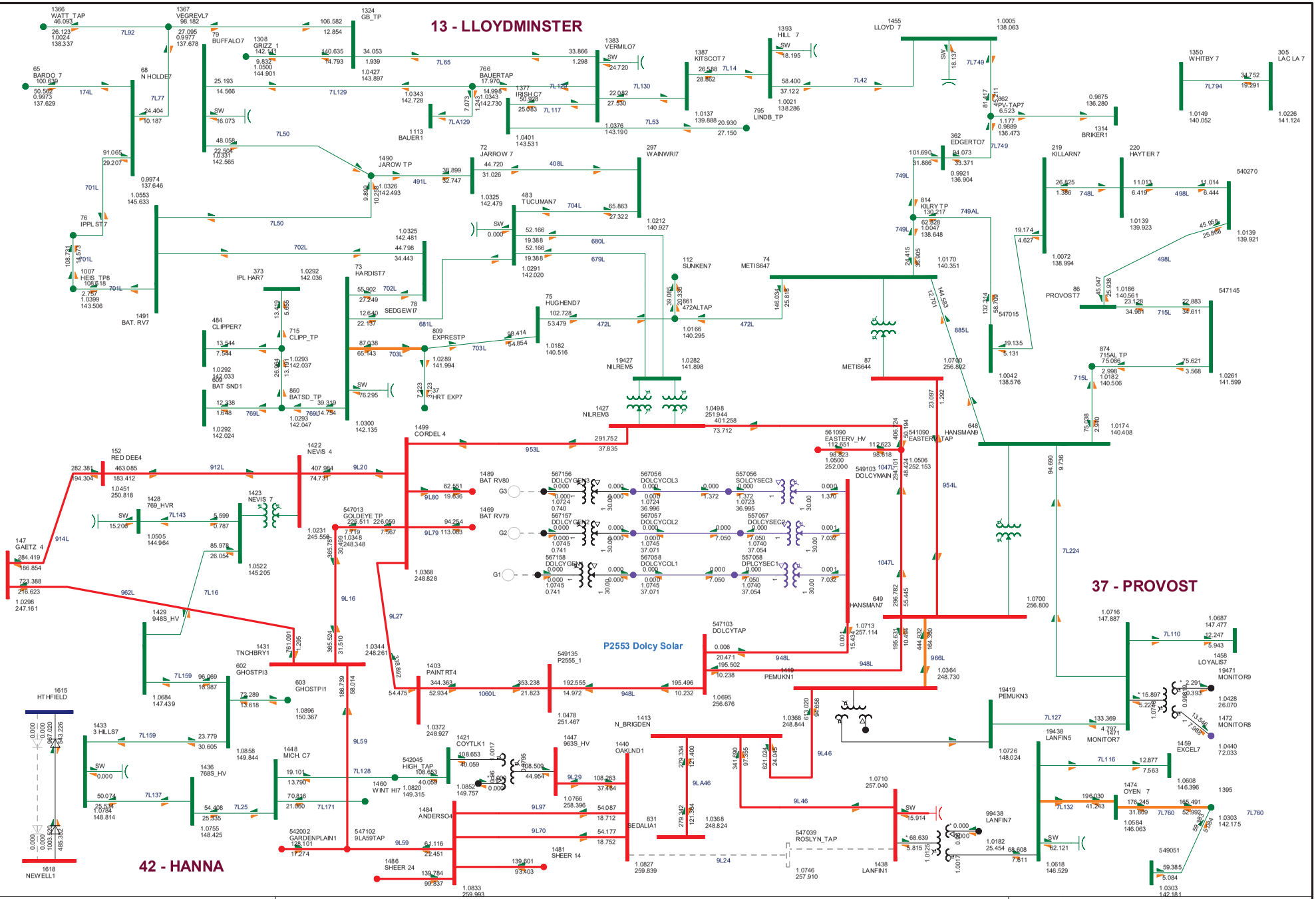


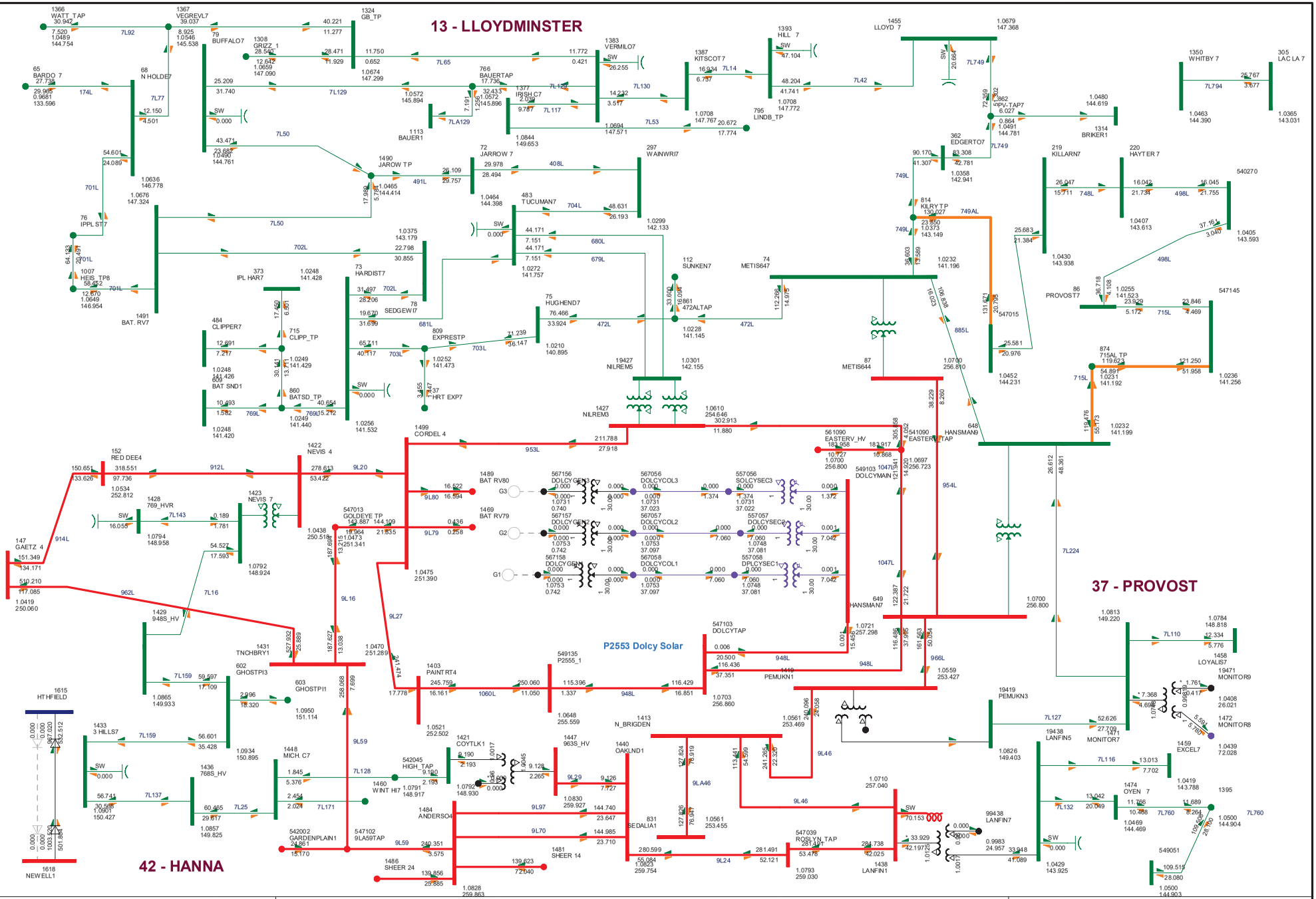
P2553 Dolcy Solar Battery MPC

FIGURE A2.3-17 N-1: 1047L (HANSMAN LAKE 650S TO NILREM 574S)
2028 WINTER PEAK HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
1366 WATT_TAP 46.093
1367 VEGREVL7 98.182
1324 GB_TP
1308 GRIZZ_1 142.141
1383 VERMILO7
1387 KITSCOT7
1393 HILL_7
1455 LLOYD_7
1350 WHITBY 7
305 LAC LA 7
65 BARDO_7 100.639
68 N HOLDE7
766 BAUERTAP 17.970
1377 IRISH_C7 50.928
795 LINDB_TP
1113 BAUER1
1314 BRIKER1
362 EDGERTO7
PV_TAP7 6.523
1490 JAROW TP
72 JARROW 7 44.720
297 WAINWRI7
483 TUCUMAN7
112 SUNKEN7
74 METIS647
219 KILLARN7
220 HAYTER 7
540270
814 KILRY TP 130.217
76 IPPL ST7
1007 HEIS_TP8 108.618
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
472ALTAP
547015
86 PROVOST7
547145
484 CLIPPER7
715 CLIPP_TP
809 EXPRESTP
75 HUGHEND7
874 715AL TP 75.086
605 BAT SND1
860 BATSD_TP 39.319
1499 CORDEL 4
1422 NEVIS 4
19427 NILREM5
87 METIS644
1427 NILREM3
561090 EASTERV_HV 112.651
541090 EASTERV_TAP
648 HANSMAN8
152 RED DEE4
1428 769_HVR
1423 NEVIS 7
547013 GOLDEYE TP 229.511 226.059
1489 BAT RV80
1469 BAT RV79
567156 DOLCYGEN3
567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 SOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
549103 1047L DOLCYMAIN
1047L
954L
885L
147 GAETZ 4
914L
962L
7L16
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1403 PAINTRT4
549135 P2555_1
547103 DOLCYTAP
649 HANSMAN7
1449 PEMUKN1
19419 PEMUKN3
1615 HTHFIELD
1433 3 HILLS7
1436 768S_HV
1448 MICH. C7
1460 WINT HI7
542045 HIGH_TAP
1421 COYTLK1
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
1484 ANDERSO4
831 SEDALIA1
547102 9LA59TAP
542002 GARDENPLAIN1
1481 SHEER 14
1486 SHEER 24
1618 NEWELL1
547039 ROSLYN_TAP
1438 LANFIN1
99438 LANFIN7
19438 LANFIN5
1459 EXCEL7
1458 LOYALIS7
19471 MONITOR9
1472 MONITOR8
1471 MONITOR7
1474 OYEN 7
1395
549051
P2553 Dolcy Solar Battery MPC
FIGURE A2.3-18 N-1: 9L24 (OAKLAND 946S - LANFINE 959S)
2028 WINTER PEAK HG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

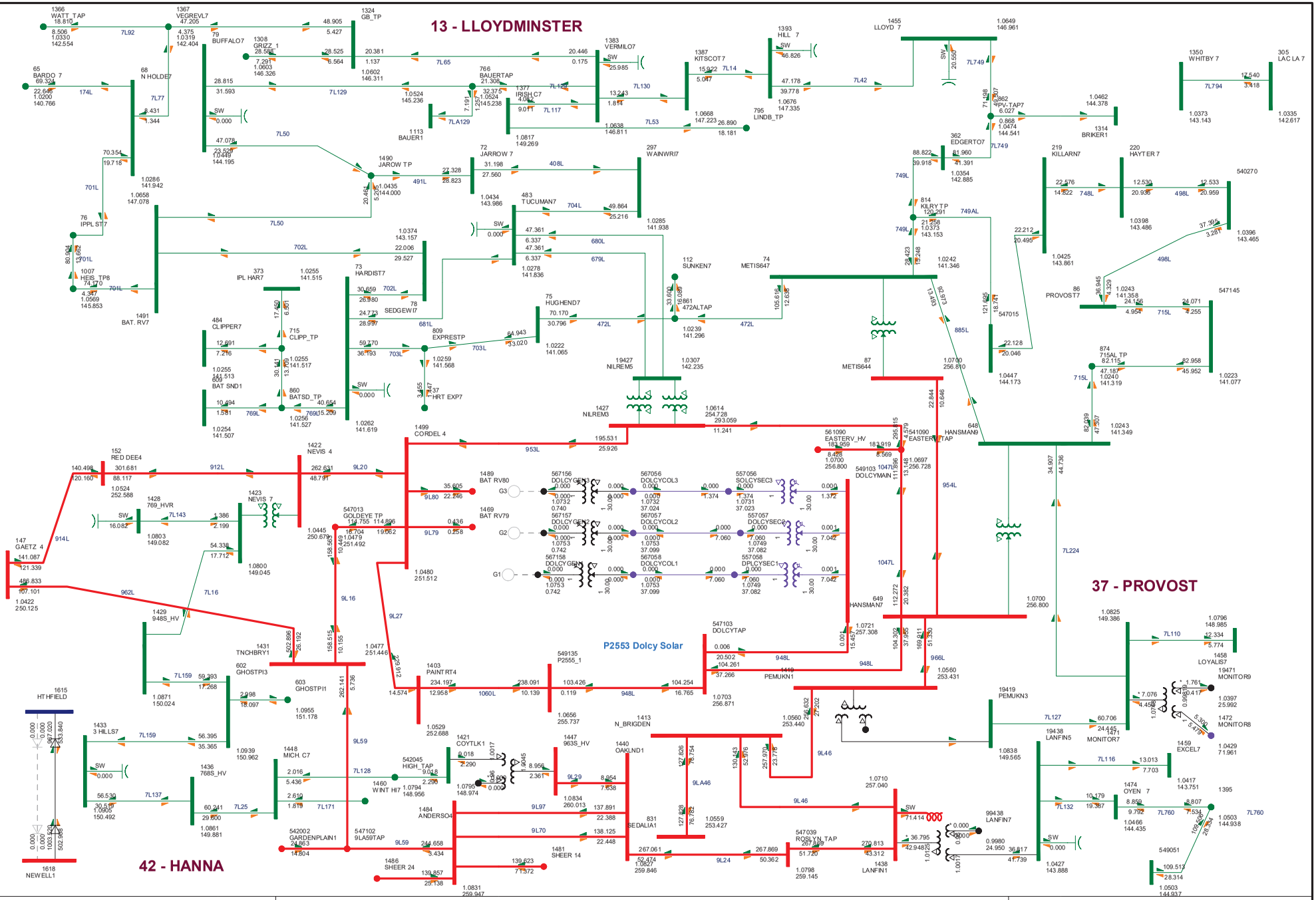


P2553 Dolcy Solar Battery MPC

FIGURE A2.4-0-N-0: NORMAL OPERATION
2028 SUMMER PEAK LG (PRE-CONNECTION), Pre-Curtailment
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

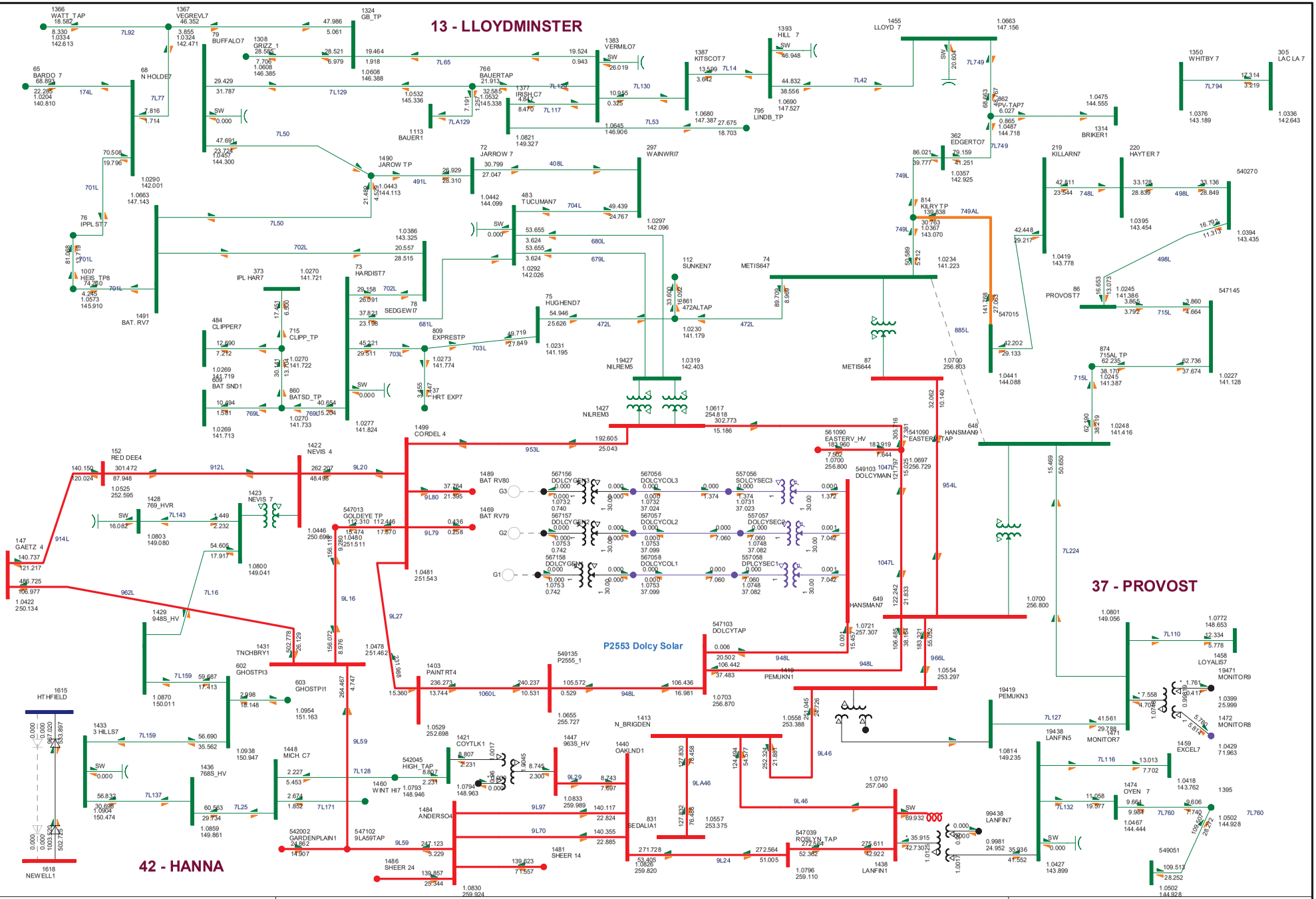


P2553 Dolcy Solar Battery MPC

FIGURE A2.4-1-N-0: NORMAL OPERATION
2028 SUMMER PEAK LG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

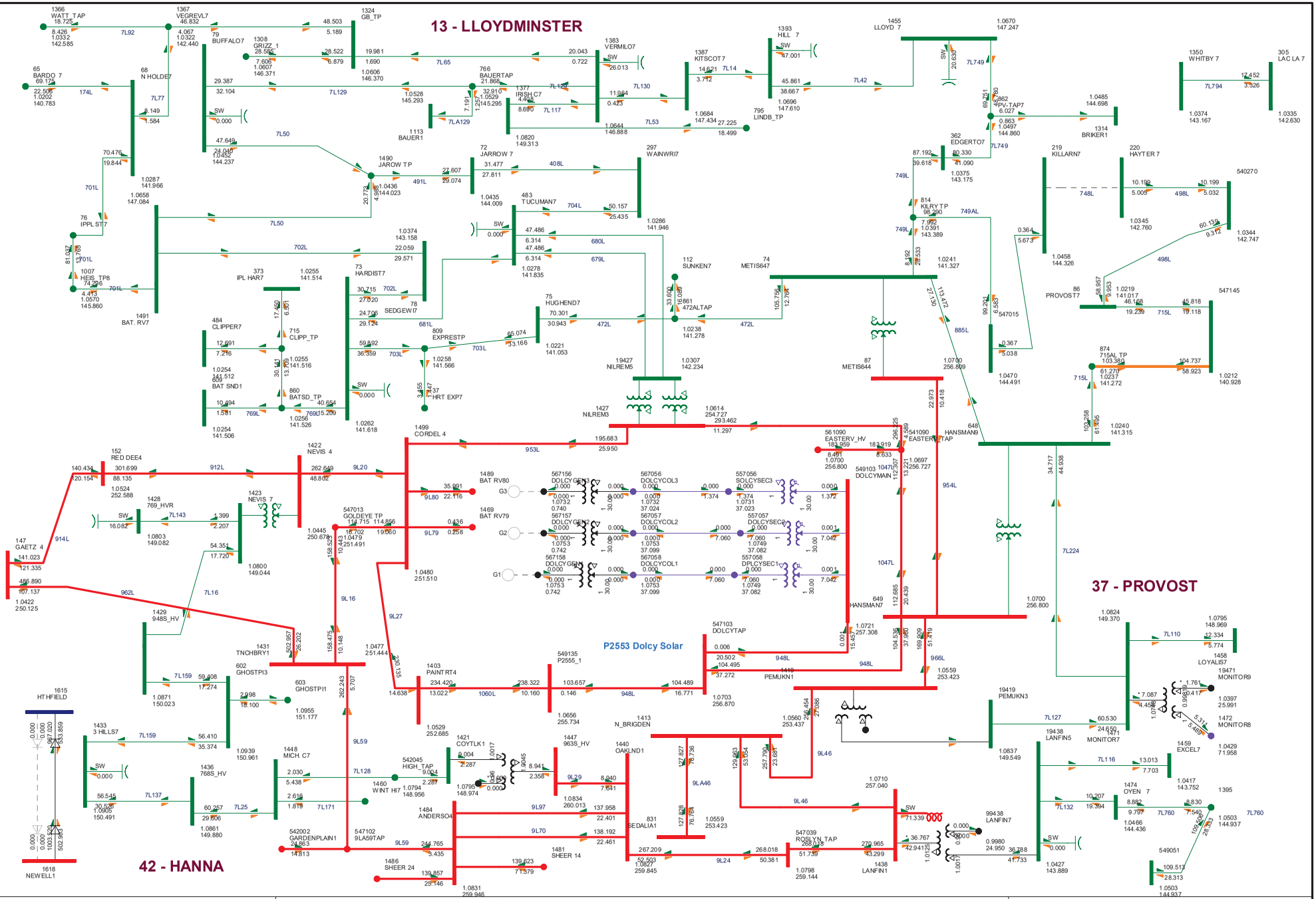


P2553 Dolcy Solar Battery MPC

FIGURE A2.4-2 N-1: 885L (METISKOW 648S TO HANSMAN LAKE 650S)
2028 SUMMER PEAK LG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

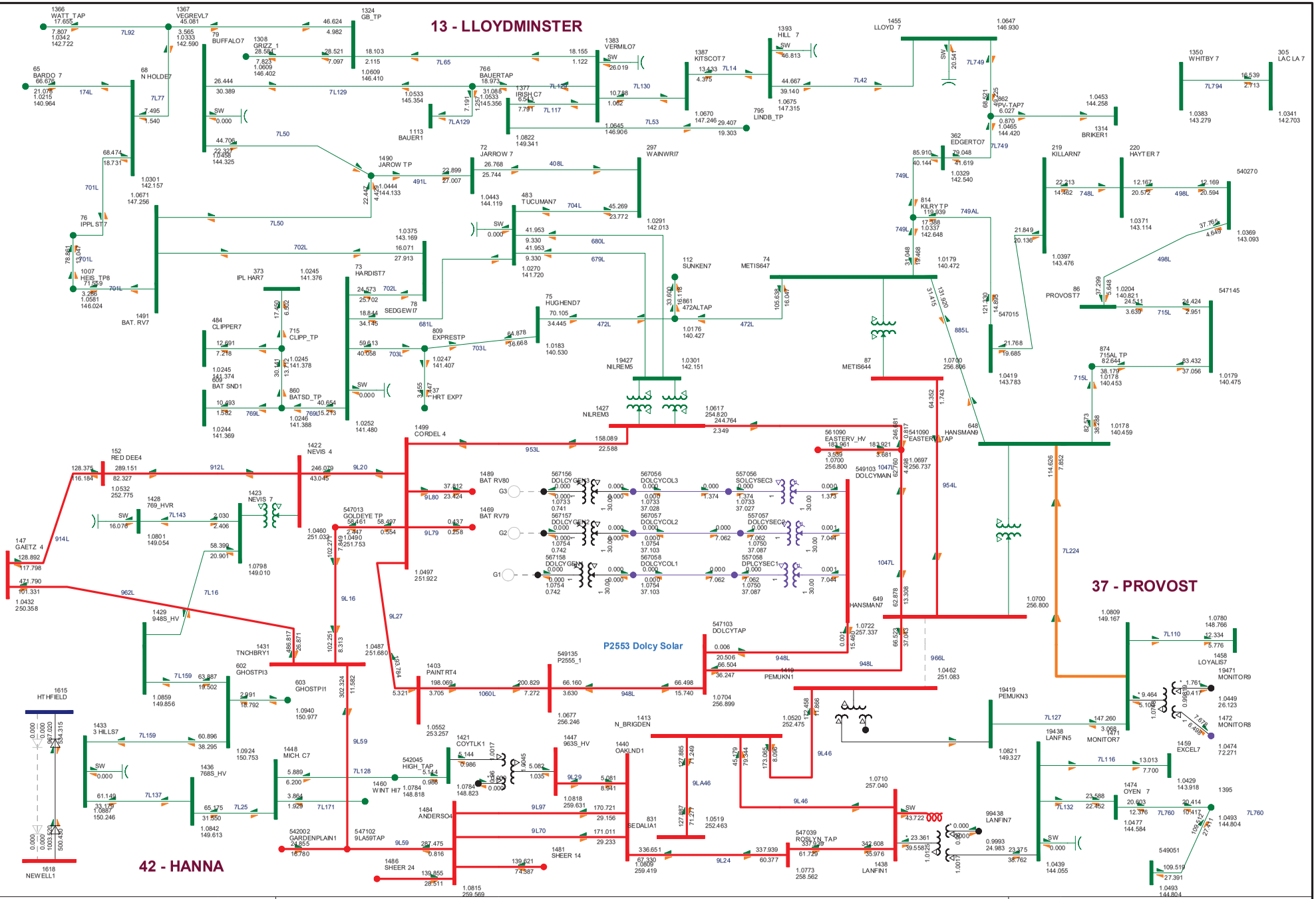


P2553 Dolcy Solar Battery MPC

FIGURE A2.4-3 N-1: 748L (HAYTER 277S TO KILLARNEY LAKE 267S)
2028 SUMMER PEAK LG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

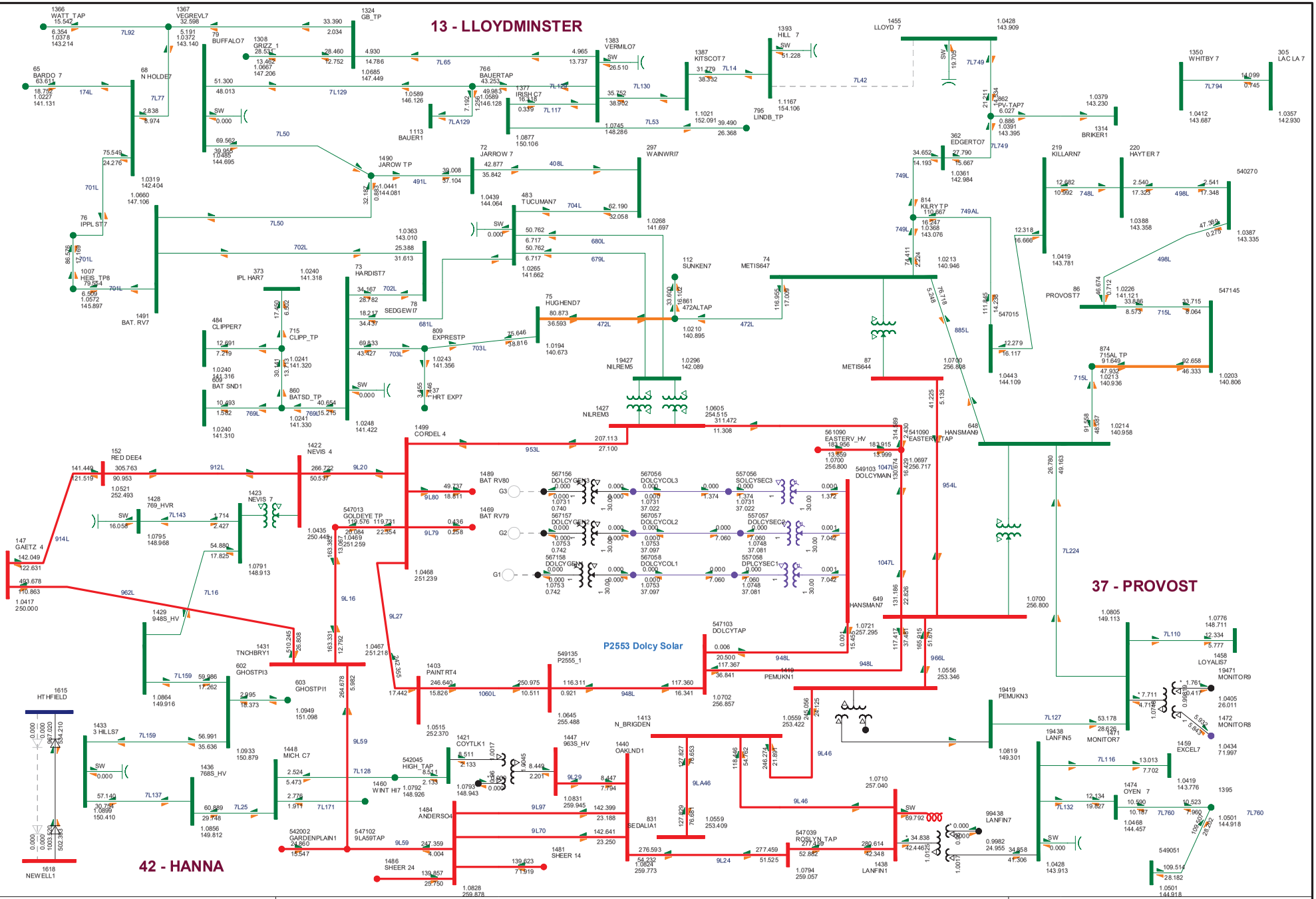


P2553 Dolcy Solar Battery MPC

FIGURE A2.4-4 N-1: 966L (HANSMAN LAKE 650S TO PEMUKAN 932S)
2028 SUMMER PEAK LG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

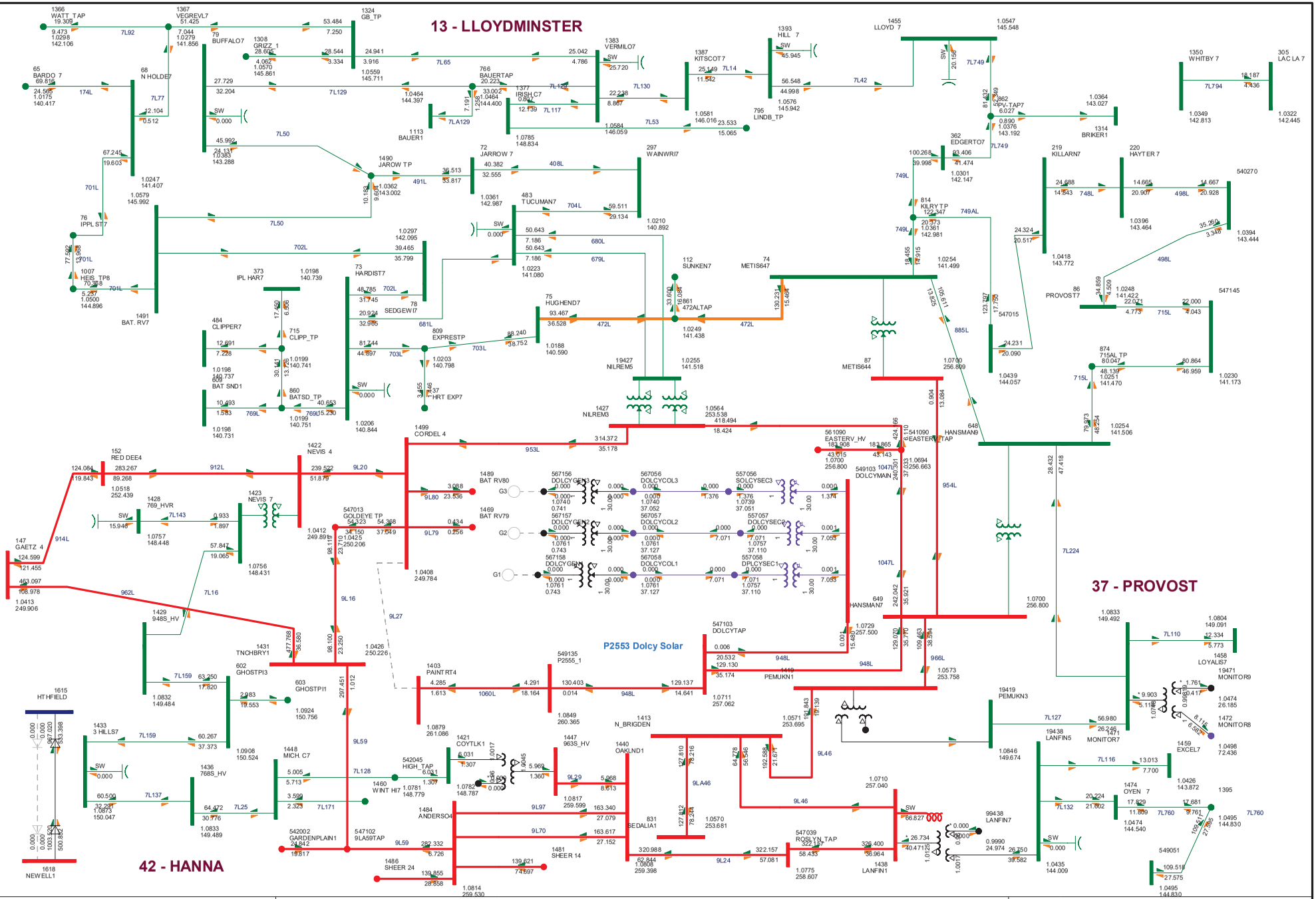


P2553 Dolcy Solar Battery MPC

FIGURE A2.4-5 N-1: 7L42 (HILL 751S TO LLOYDMINSTER 716S)
2028 SUMMER PEAK LG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

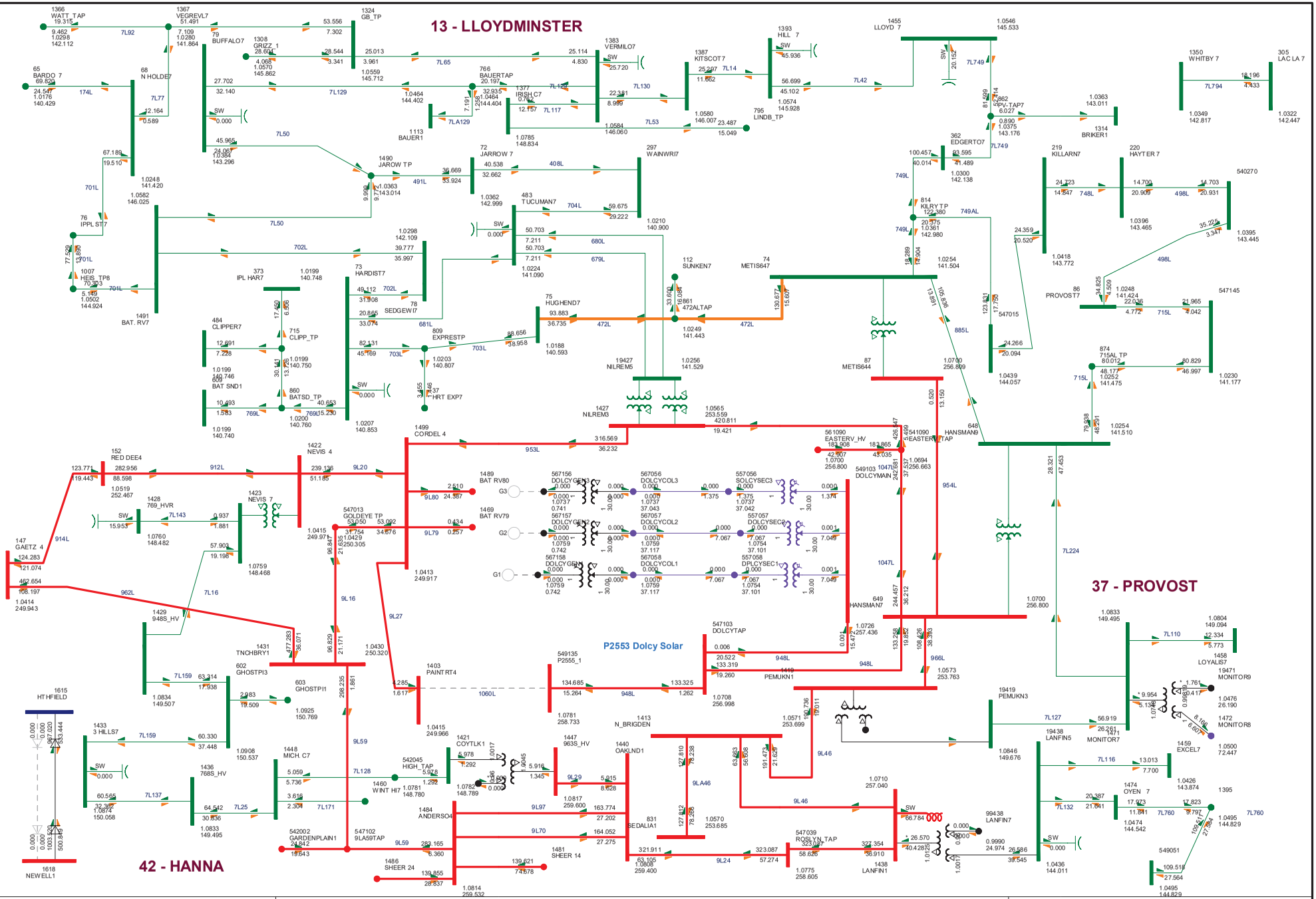


P2553 Dolcy Solar Battery MPC

FIGURE A2.4-6 N-1: 9L27 (PAINTEARTH CREEK 863S TO CORDEL 755S)
2028 SUMMER PEAK LG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

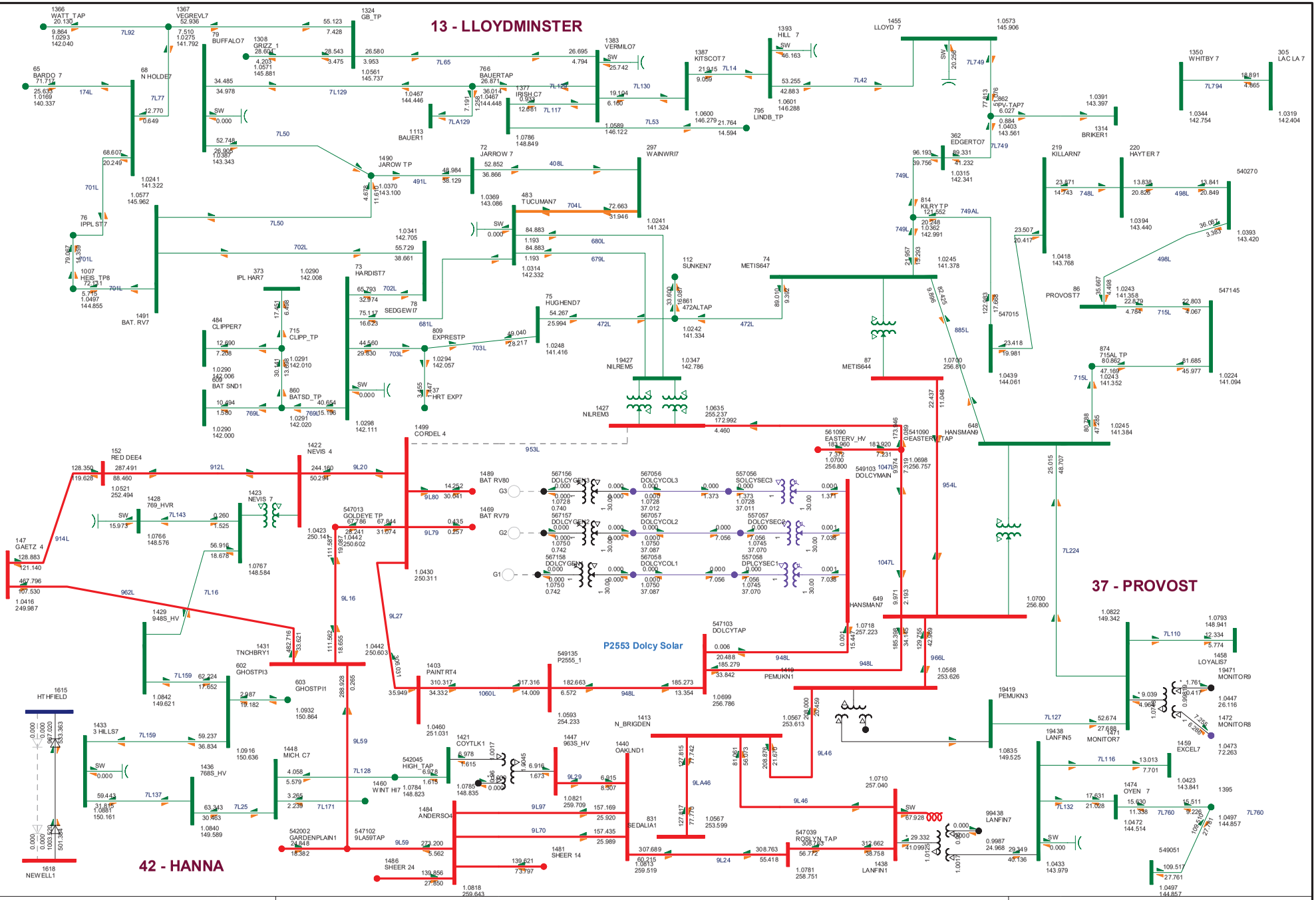


P2553 Dolcy Solar Battery MPC

FIGURE A2.4-7 N-1: 1060L (PAINTEARTH 863S TO P2555 SWITCHING SUB)
2028 SUMMER PEAK LG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

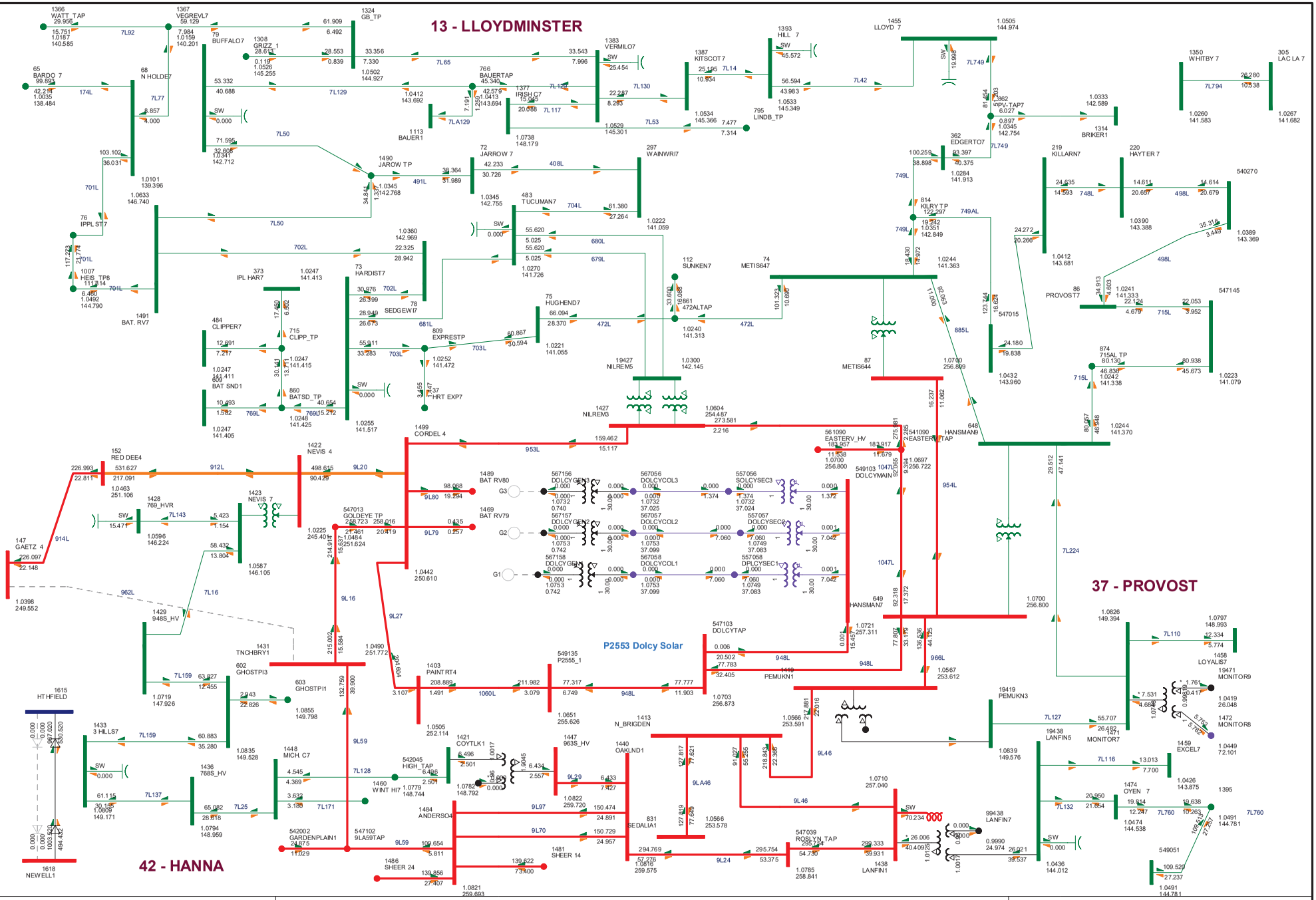


P2553 Dolcy Solar Battery MPC

FIGURE A2.4-8 N-1: 953L (NILREN 574S TO CORDEL 755S)
2028 SUMMER PEAK LG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
1366 WATT_TAP 29.995
1367 VEGREVL7 59.129
1324 GB_TP
1308 GRIZZ_1 28.613
766 BAUERTAP 45.340
1383 VERMILO7
1387 KITSCOT7 25.195
1393 HILL_7 45.572
1455 LLOYD_7
1350 WHITBY 7
305 LAC LA 7
65 BARDO_7 99.893
68 N HOLDE7
1113 BAUER1
1377 IRISH_C7 15.045
795 LINDB_TP
362 EDGERTO7
1314 BRIKER1
219 KILLARN7
220 HAYTER 7
540270
72 JARROW 7
1490 JAROW TP
297 WAINWRI7
483 TUCUMAN7
814 KILRY TP
76 IPPL ST7
1007 HEIS_TP8
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
484 CLIPPER7
715 CLIPP_TP
809 EXPRESTP
75 HUGHEND7
112 SUNKEN7
74 METIS647
86 PROVOST7
547145
547015
874 715AL_TP 80.130
87 METIS644
19427 NILREM5
1427 NILREM3
1499 CORDEL 4
1422 NEVIS 4
152 RED DEE4
1428 769_HVR
1423 NEVIS 7
147 GAETZ 4
547013 GOLDEYE TP
1489 BAT RV80
1469 BAT RV79
567156 DOLCYGEN3
567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 DOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
561090 EASTERV_HV
541090 NEASTERV_TAP
HANSMAN8
549103 DOLCYMAIN
547103 DOLCYTAP
649 HANSMAN7
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1403 PAINTRT4
549135 P2555_1
1419 PEMUKN1
19419 PEMUKN3
1615 HTHFIELD
1433 3 HILLS7
1436 768S_HV
1448 MICH. C7
1460 WINT HI7
542045 HIGH_TAP
1421 COYTLK1
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
1484 ANDERSO4
831 SEDALIA1
542002 GARDENPLAIN1
547102 9LA59TAP
1481 SHEER 14
1486 SHEER 24
1618 NEWELL1
547039 ROSLYN_TAP
99438 LANFIN7
1438 LANFIN1
19438 LANFIN5
1471 MONITOR7
1472 MONITOR8
1474 OYEN 7
1459 EXCEL7
549051
1491 144.781
1395
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7L760
7L794
7L749
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7L65
7L50
7L92
7L129
7L130
7L53
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7L14
7L77
7L159
7L137
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7L171
7L128
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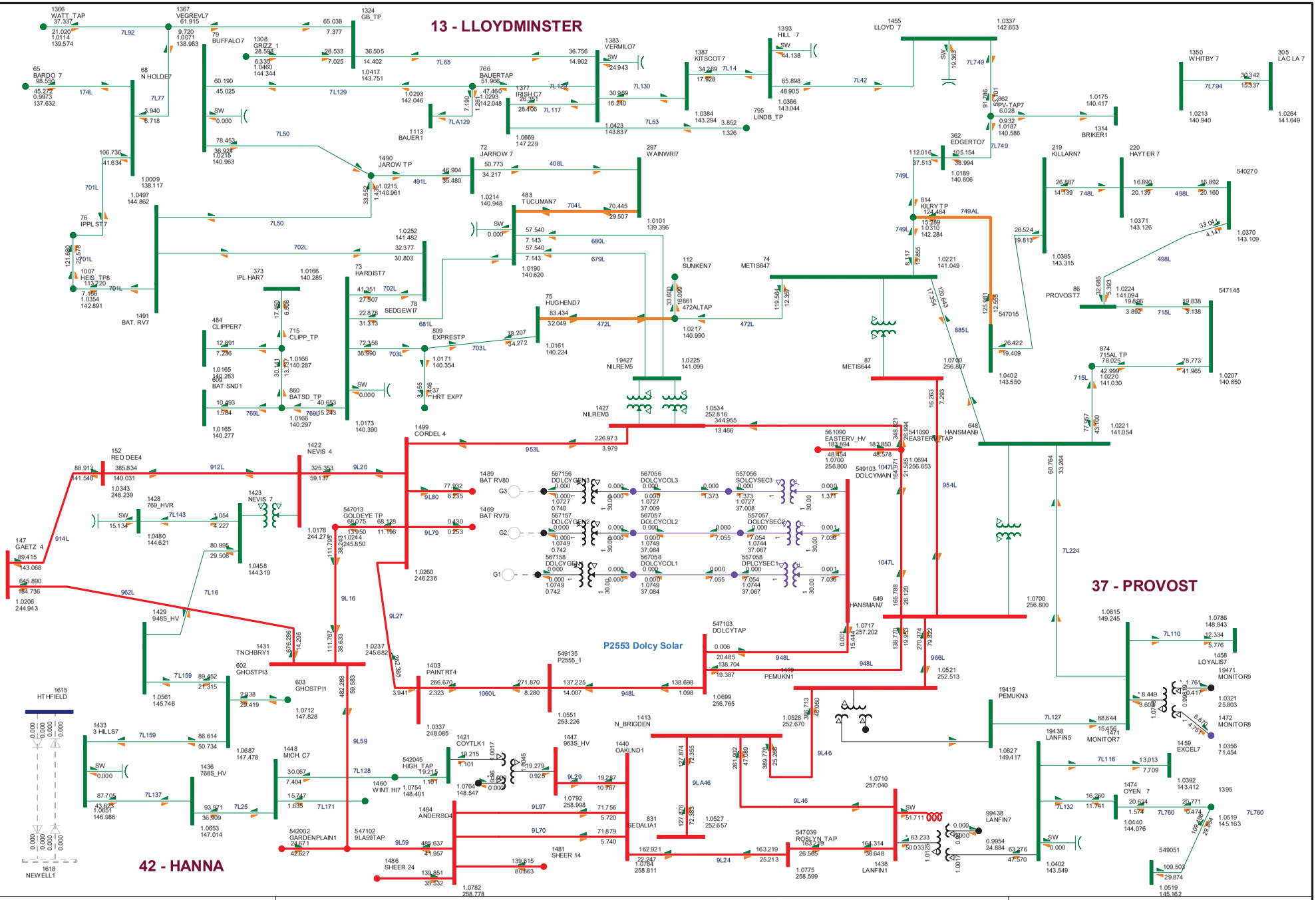
7L127
7L116
7L132
912L
962L
914L
953L
954L
1047L
948L
966L
885L
680L
679L
472L
681L
703L
704L
702L
701L
749L
748L
498L
715L
1060L
9L20
9L80
9L79
9L27
9L16
9L59
9L97
9L70
9L29
9L46
9LA46
9L24
P2553 Dolcy Solar Battery MPC
FIGURE A2.4-9 N-1: 962L/9L62 (TINCHEBRAY 972S TO GAETZ 87S)
2028 SUMMER PEAK LG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

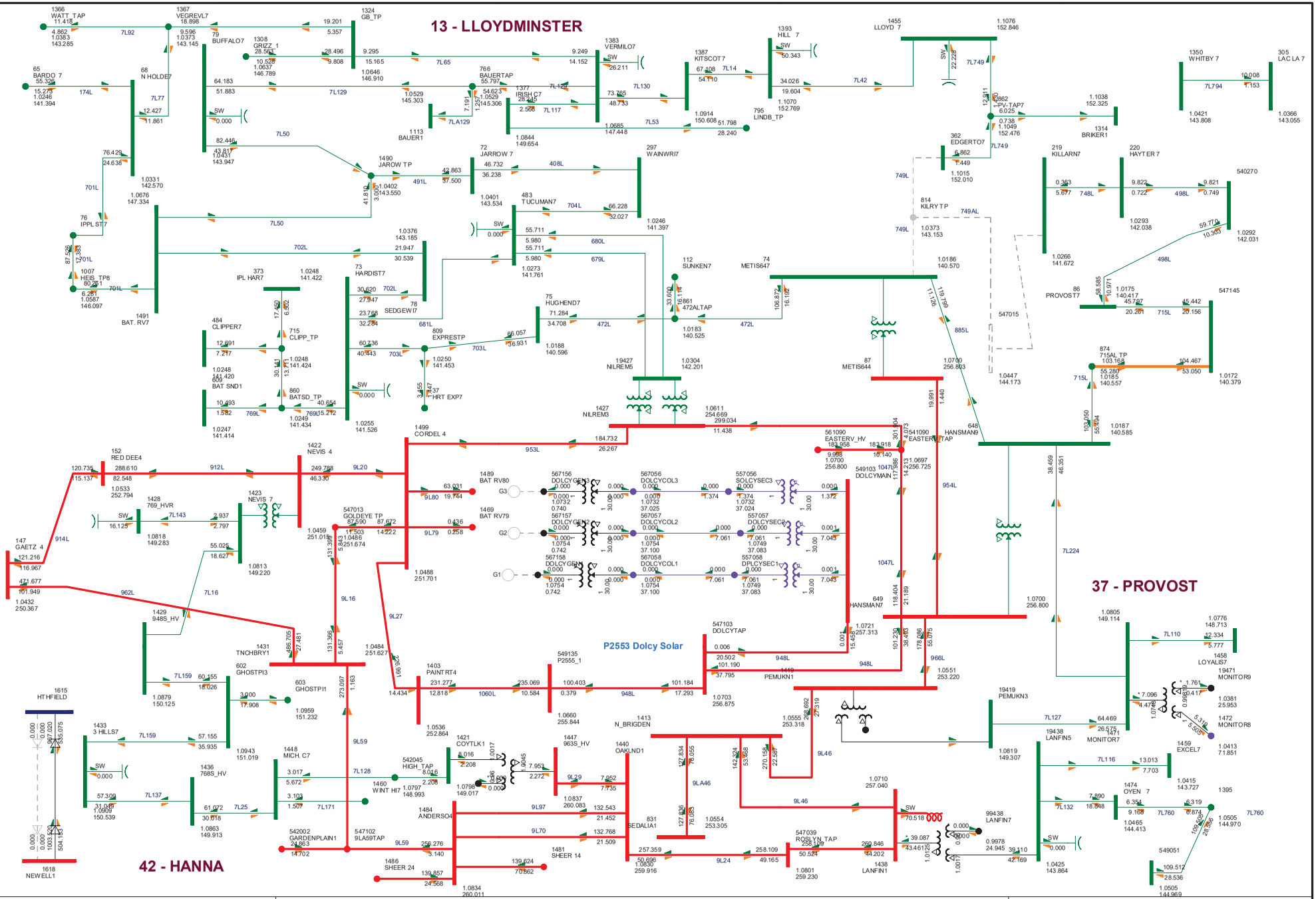


P2553 Dolcy Solar Battery MPC

FIGURE A2.4-10 N-1: EATL
2028 SUMMER PEAK LG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
1366 WATT_TAP 11.418
1367 VEGREVL7 16.898
1324 GB_TP
1308 GRIZZ_1 28.553
1383 VERMILO7
1387 KITSCOT7 67.408 54.110
1393 HILL_7 50.343 34.026 19.604
1455 LLOYD_7
1350 WHITBY 7
305 LAC LA 7
65 BARDO_7 55.326
68 N HOLDE7
766 BAUERTAP 55.797
1377 IRISH_C7 28.445
795 LINDB_TP
362 EDGERTO7
1314 BRIKER1
219 KILLARN7
220 HAYTER 7
540270
814 KILRY TP
1113 BAUER1
1490 JAROW TP
72 JARROW 7 46.732 36.238
297 WAINWRI7
483 TUCUMAN7 55.711 55.711 5.980 5.980
76 IPPL ST7
1007 HEIS_TP8 80.251
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
75 HUGHEND7 71.284 34.708
112 SUNKEN7
74 METIS647
86 PROVOST7
547145
484 CLIPPER7 12.691 7.217
715 CLIPP_TP
809 EXPRESTP
1183 140.525
87 METIS644
547015
874 715AL TP 103.168
715L
1499 CORDEL 4
1427 NILREM3
19427 NILREM5
1422 NEVIS 4
152 RED DEE4 288.610 82.548
1428 769_HVR
1423 NEVIS 7
547013 GOLDEYE TP 87.590 87.672
1489 BAT RV80
1469 BAT RV79
567156 DOLCYGEN3 0.000 0.000 1.0754 0.740
567056 DOLCYCOL3 0.000 0.000 1.0732 37.025
557056 SOLCYSEC3 0.000 0.000 1.374 1.0732 37.024
567157 DOLCYGEN2 0.000 0.000 1.0754 0.742
567057 DOLCYCOL2 0.000 0.000 1.0754 37.100
557057 DOLCYSEC2 0.000 0.000 7.061 1.0749 37.083
567158 DOLCYGEN1 0.000 0.000 1.0754 0.742
567058 DOLCYCOL1 0.000 0.000 1.0754 37.100
557058 DPLCYSEC1 0.000 0.000 7.061 1.0749 37.083
561090 EASTERV_HV 183.958 9.988 1.0700 256.800
541090 EASTERV_TAP 183.918 10.140 1.0697 256.725
549103 DOLCYMAIN
648 HANSMAN8
649 HANSMAN7
147 GAETZ 4 121.216 116.967
471 677 101.949 1.0432 250.367
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1403 PAINTRT4 231.277 12.818
549135 P2555_1
547103 DOLCYTAP 20.502 101.190 37.795
1419 PEMUKN1
1615 HTHFIELD
1618 NEWELL1
1433 3 HILLS7
1436 768S_HV
1448 MICH_C7
542045 HIGH_TAP 8.016 2.208
1460 WINT HI7
1421 COYTLK1 8.016 2.208
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
831 SEDALIA1
1484 ANDERSO4
542002 GARDENPLAIN1 24.863 14.702
547102 9LA59TAP
1486 SHEER 24
1481 SHEER 14
547039 ROSLYN_TAP 258.109 50.524
1438 LANFIN1
99438 LANFIN7
19438 LANFIN5
1471 MONITOR7
19471 MONITOR9
1472 MONITOR8
1458 LOYALIS7
1459 EXCEL7
1474 OYEN 7
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1.0798 149.017
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1.0554 253.305
1.0830 259.916
1.0801 259.230
1.0834 260.011
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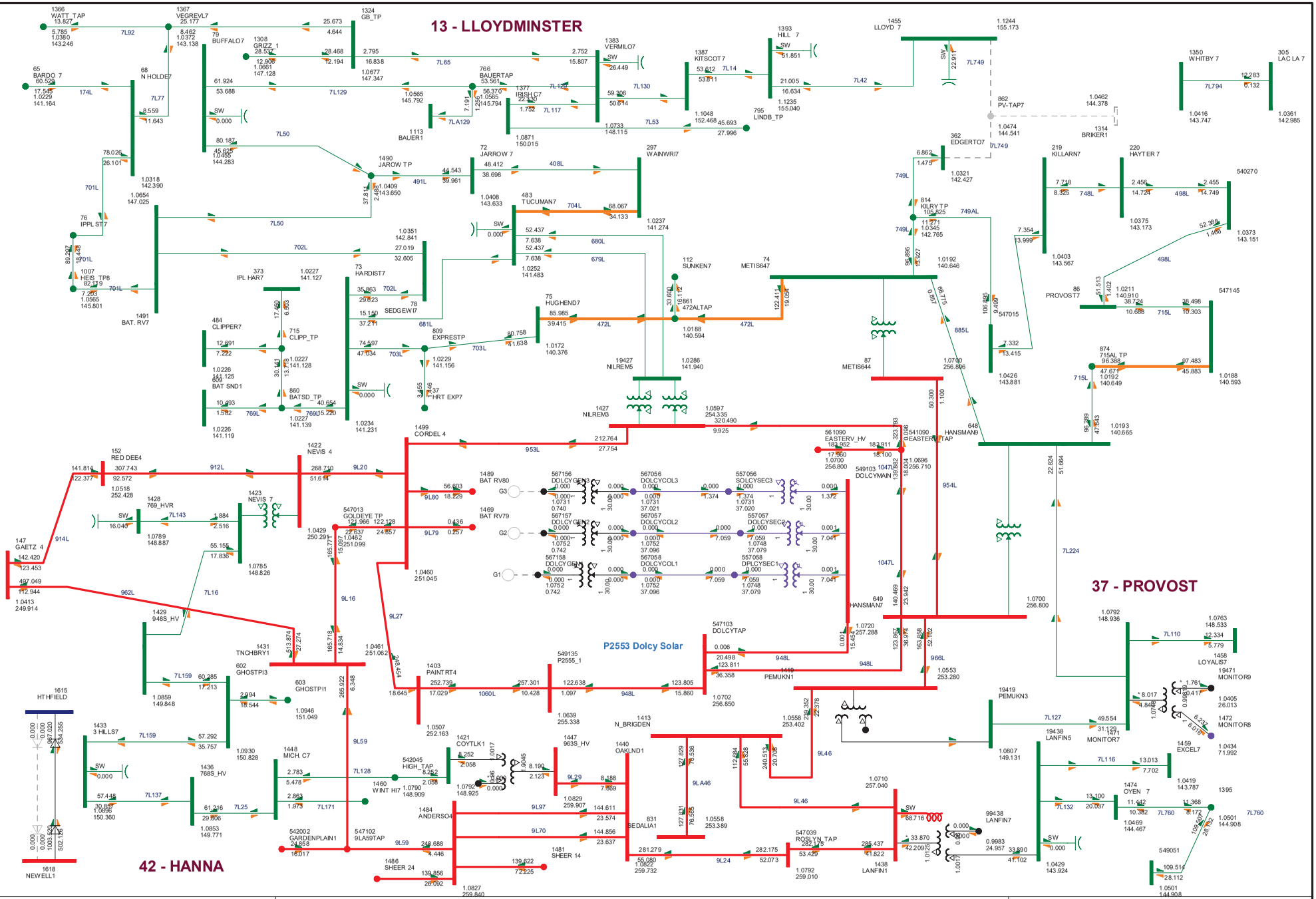
1.0465 144.413
1.0425 143.864
1.0505 144.970
1.0505 144.969
P2553 Dolcy Solar Battery MPC
FIGURE A2.4-11 N-1: 749L (METISKOW 648S TO EDGERTON 899S)
2028 SUMMER PEAK LG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
1366 WATT_TAP
1367 VEGREVL7
1324 GB_TP
1308 GRIZZ_1
65 BARDO_7
68 N HOLDE7
79 BUFFALO7
766 BAUERTAP
1113 BAUER1
1377 IRISH_C7
1383 VERMILO7
1387 KITSCOT7
1393 HILL_7
1455 LLOYD 7
795 LINDB_TP
862 PV-TAP7
362 EDGERTO7
1314 BRIKER1
1350 WHITBY 7
305 LAC LA 7
72 JARROW 7
1490 JAROW TP
297 WAINWRI7
483 TUCUMAN7
112 SUNKEN7
74 METIS647
87 METIS644
76 IPPL ST7
1007 HEIS_TP8
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
484 CLIPPER7
715 CLIPP_TP
609 BAT SND1
860 BATSD_TP
809 EXPRESTP
HRT EXP7
75 HUGHEND7
472ALTAP
814 KILRY TP
219 KILLARN7
220 HAYTER 7
540270
547015
547145
86 PROVOST7
874 715AL TP
19427 NILREM5
1427 NILREM3
1499 CORDEL 4
1422 NEVIS 4
152 RED DEE4
147 GAETZ 4
1428 769_HVR
1423 NEVIS 7
547013 GOLDEYE TP
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1403 PAINTRT4
549135 P2555_1
1489 BAT RV80
1469 BAT RV79
567156 DOLCYGEN3
567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 SOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
547103 DOLCYTAP
561090 EASTERV_HV
541090 EASTERV_TAP
549103 1047L DOLCYMAIN
648 HANSMAN9
649 HANSMAN7
1419 PEMUKN1
19419 PEMUKN3
1615 HTHFIELD
1618 NEWELL1
1433 3 HILLS7
1436 768S_HV
1448 MICH. C7
1460 WINT HI7
542045 HIGH_TAP
1421 COYTLK1
1484 ANDERSO4
542002 GARDENPLAIN1
547102 9LA59TAP
1486 SHEER 24
1481 SHEER 14
1440 OAKLND1
1413 N_BRIGDEN
831 SEDALIA1
1447 963S_HV
547039 ROSLYN_TAP
1438 LANFIN1
99438 LANFIN7
19438 LANFIN5
1459 EXCEL7
1458 LOYALIS7
19471 MONITOR9
1472 MONITOR8
1471 MONITOR7
1474 OYEN 7
549051
1395
1047L
1224L
1224
948L
966L
954L
885L
680L
679L
704L
702L
701L
749L
749AL
748L
498L
715L
681L
703L
769L
912L
914L
962L
953L
472L
1060L
9L80
9L79
9L20
9L16
9L27
9L59
9L97
9L70
9L29
9L46
9LA46
9L24
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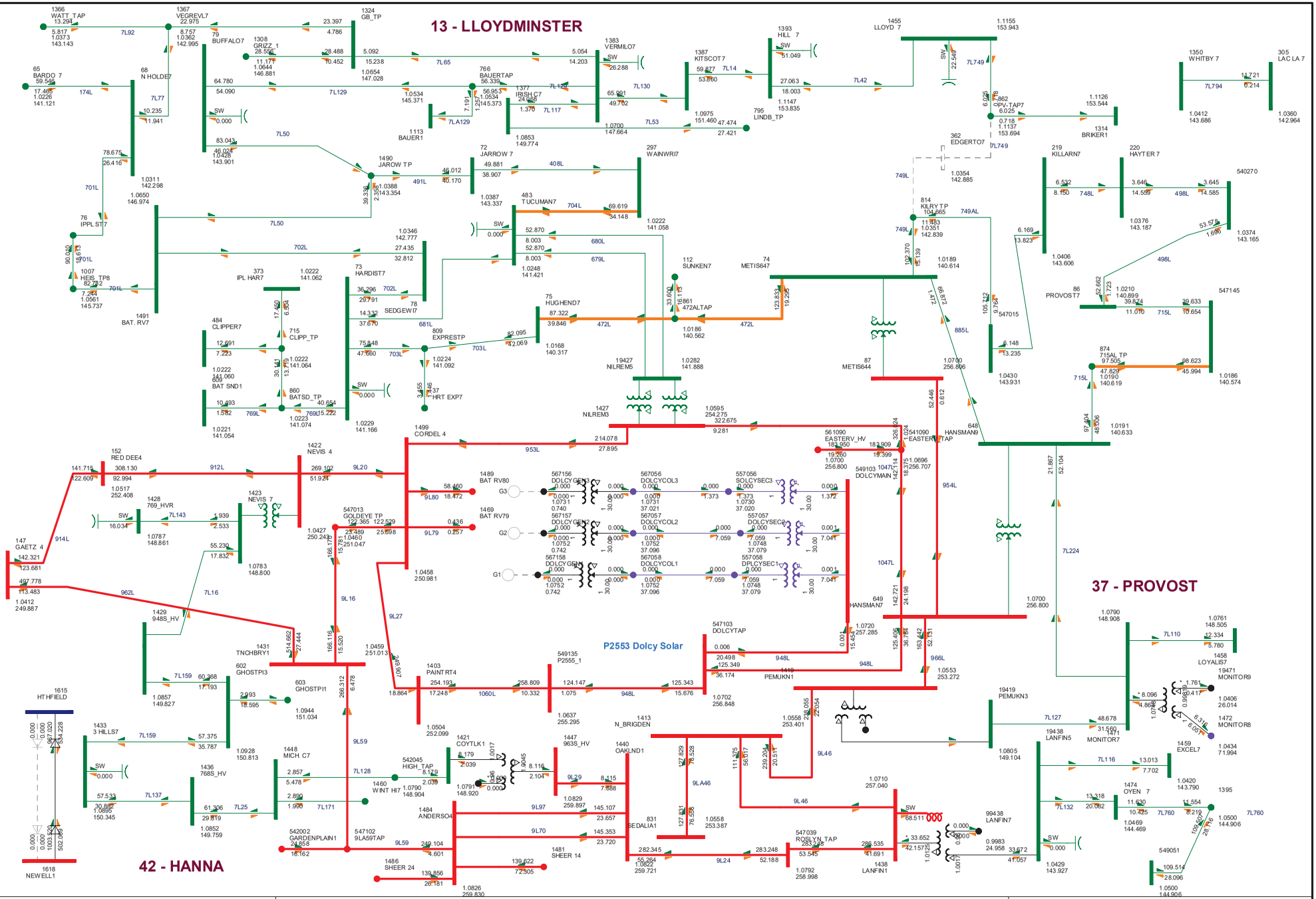
7L130
7L53
7L42
7L749
7L794
7L110
7L116
7L127
7L132
7L760
7L224
7L16
7L159
7L137
7L128
7L171
7L25
7L143
7L77
7L92
7L117
7LA129
174L
408L
491L
P2553 Dolcy Solar Battery MPC
FIGURE A2.4-12 N-1: 749L/7L749 (EDGERTON 899S TO LLOYDMINSTER 716S)
2028 SUMMER PEAK LG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025
Page 141 of 615
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

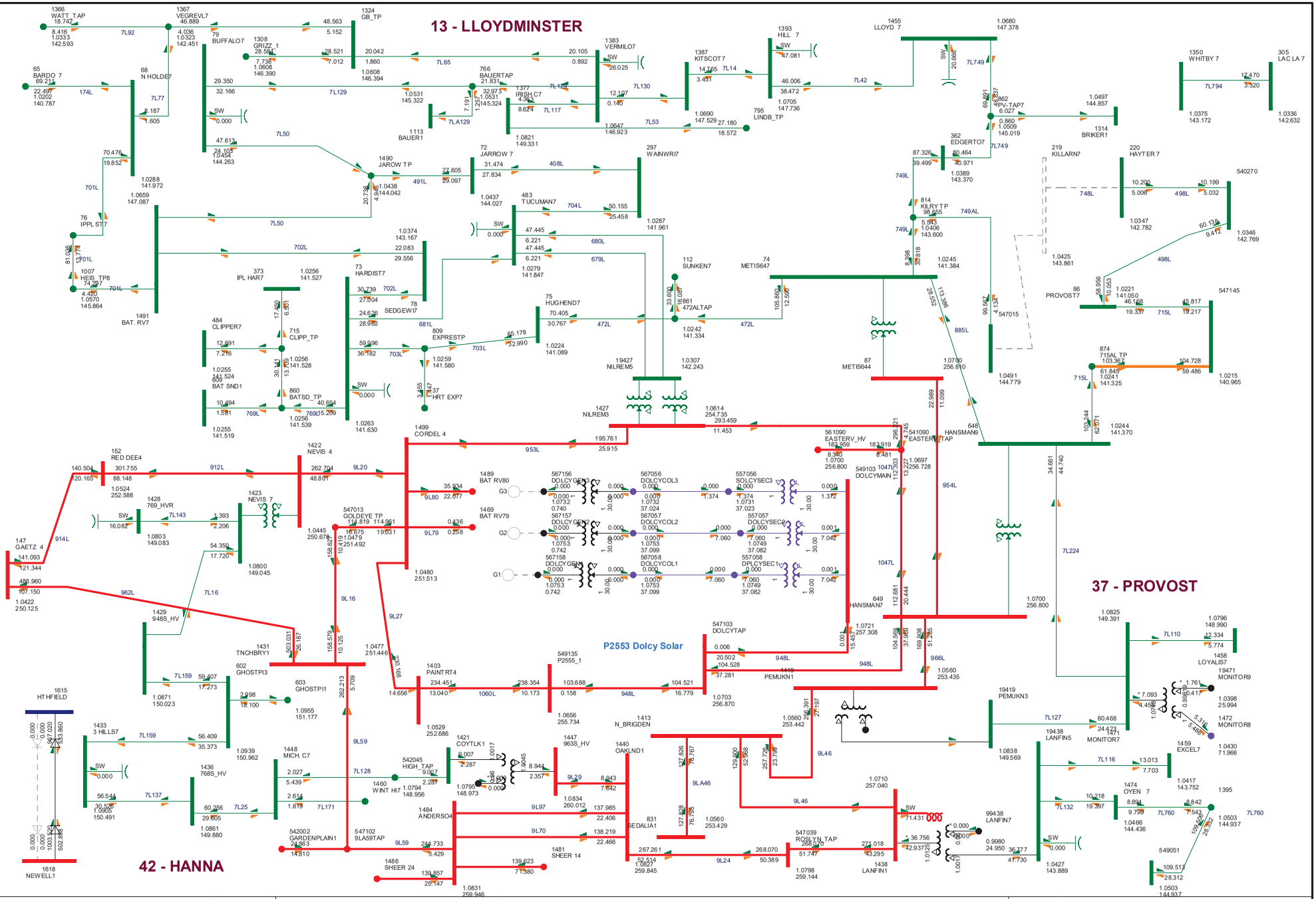


P2553 Dolcy Solar Battery MPC

FIGURE A2.4-13 N-1: EDGERTON 899S TRANSFORMER T1
2028 SUMMER PEAK LG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

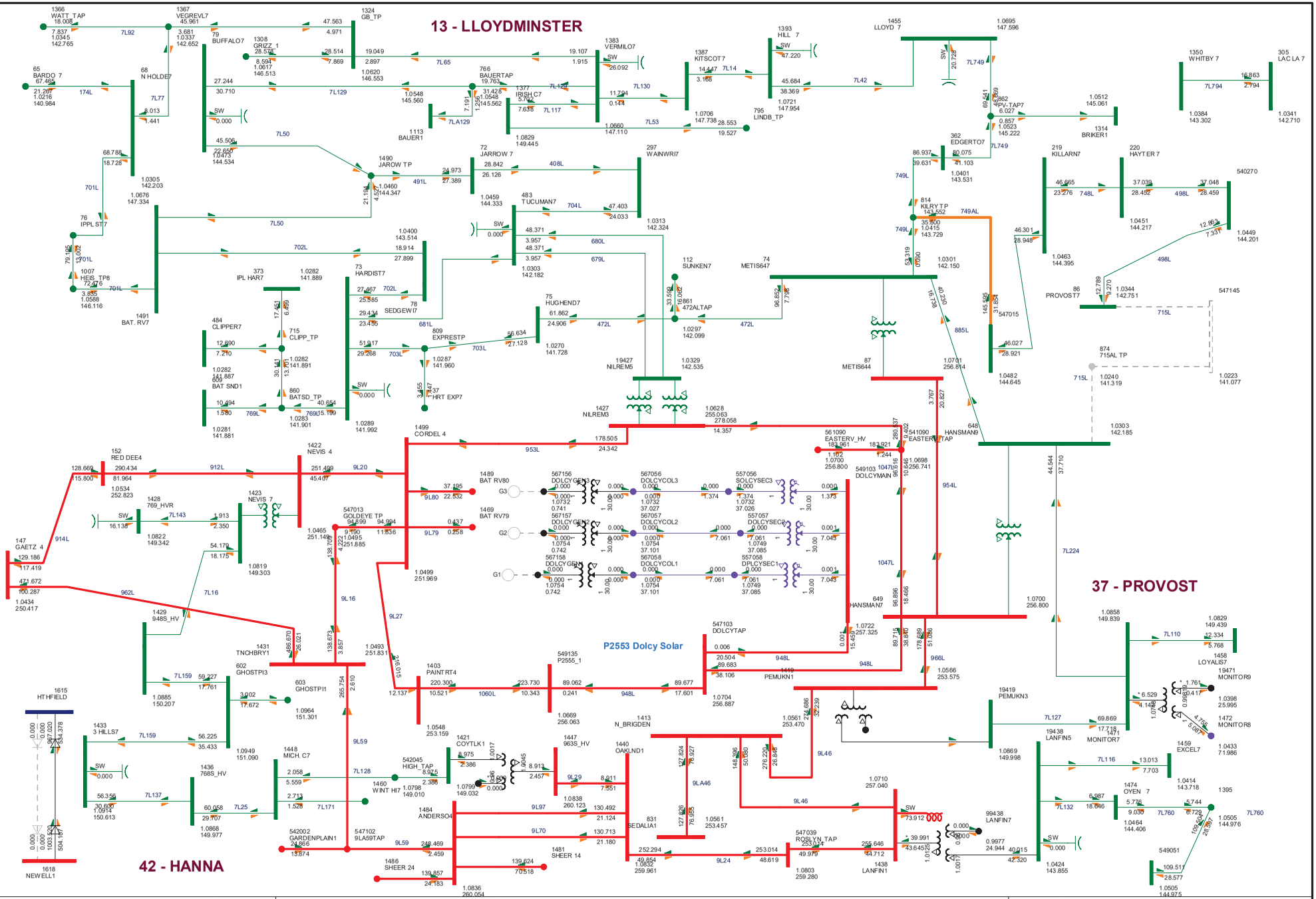


P2553 Dolcy Solar Battery MPC

FIGURE A2.4-14 N-1: KILLARNEY LAKE 267S TRANSFORMER T1
2028 SUMMER PEAK LG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
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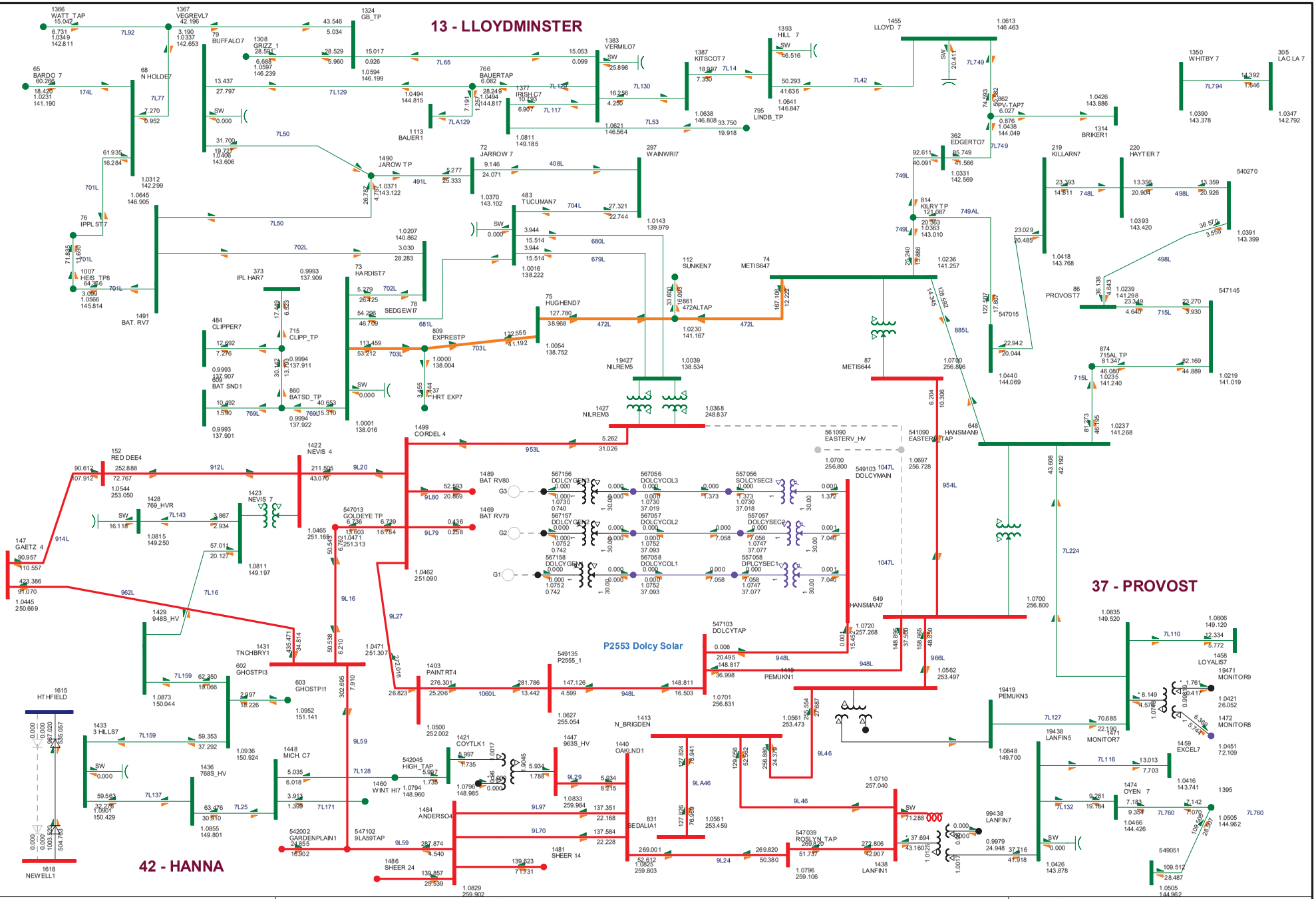
1367 VEGREVL7 45.961
1324 GB_TP
65 BARDO_7 67.485
68 N HOLDE7
79 BUFFALO7
1308 GRIZZ_1 28.572
766 BAUERTAP 19.763
1383 VERMILO7
1387 KITSCOT7
1393 HILL_7
1455 LLOYD 7
1113 BAUER1
795 LINDB_TP
1377 IRISH_C7
362 EDGERTO7
1350 WHITBY 7
305 LAC LA 7
1314 BRIKER1
219 KILLARN7
220 HAYTER 7
540270
814 KILRY TP 143.552
86 PROVOST7
547145
547015
874 715AL TP
1490 JAROW TP
72 JARROW 7
297 WAINWRI7
483 TUCUMAN7
112 SUNKEN7
74 METIS647
87 METIS644
76 IPPL ST7
1007 HEIS_TP8
1491 BAT. RV7
484 CLIPPER7
715 CLIPP_TP
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
809 EXPRESTP
HRT EXP7
75 HUGHEND7
472ALTAP
1499 CORDEL 4
1427 NILREM3
19427 NILREM5
561090 EASTERV_HV
541090 EASTERV_TAP
648 HANSMAN8
549103 DOLCYMAIN
152 RED DEE4
1422 NEVIS 4
1423 NEVIS 7
1428 769_HVR
147 GAETZ 4
1489 BAT RV80
1469 BAT RV79
567156 DOLCYGEN3
567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 SOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
547013 GOLDEYE TP
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1403 PAINTRT4
549135 P2555_1
547103 DOLCYTAP
649 HANSMAN7
1419 PEMUKN1
19419 PEMUKN3
1458 LOYALIS7
19471 MONITOR9
1472 MONITOR8
1459 EXCEL7
1433 3 HILLS7
1436 768S_HV
1448 MICH. C7
1460 WINT HI7
542045 HIGH_TAP
1421 COYTLK1
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
831 SEDALIA1
1484 ANDERSO4
542002 GARDENPLAIN1
547102 9LA59TAP
1481 SHEER 14
1486 SHEER 24
1615 HTHFIELD
1618 NEWELL1
1474 OYEN 7
19438 LANFIN5
99438 LANFIN7
1438 LANFIN1
547039 ROSLYN_TAP
549051
1449 PEMUKN1
P2553 Dolcy Solar Battery MPC
FIGURE A2.4-15 N-1: 715L (HANSMAN LAKE 650S TO PROVOST 545S)
2028 SUMMER PEAK LG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

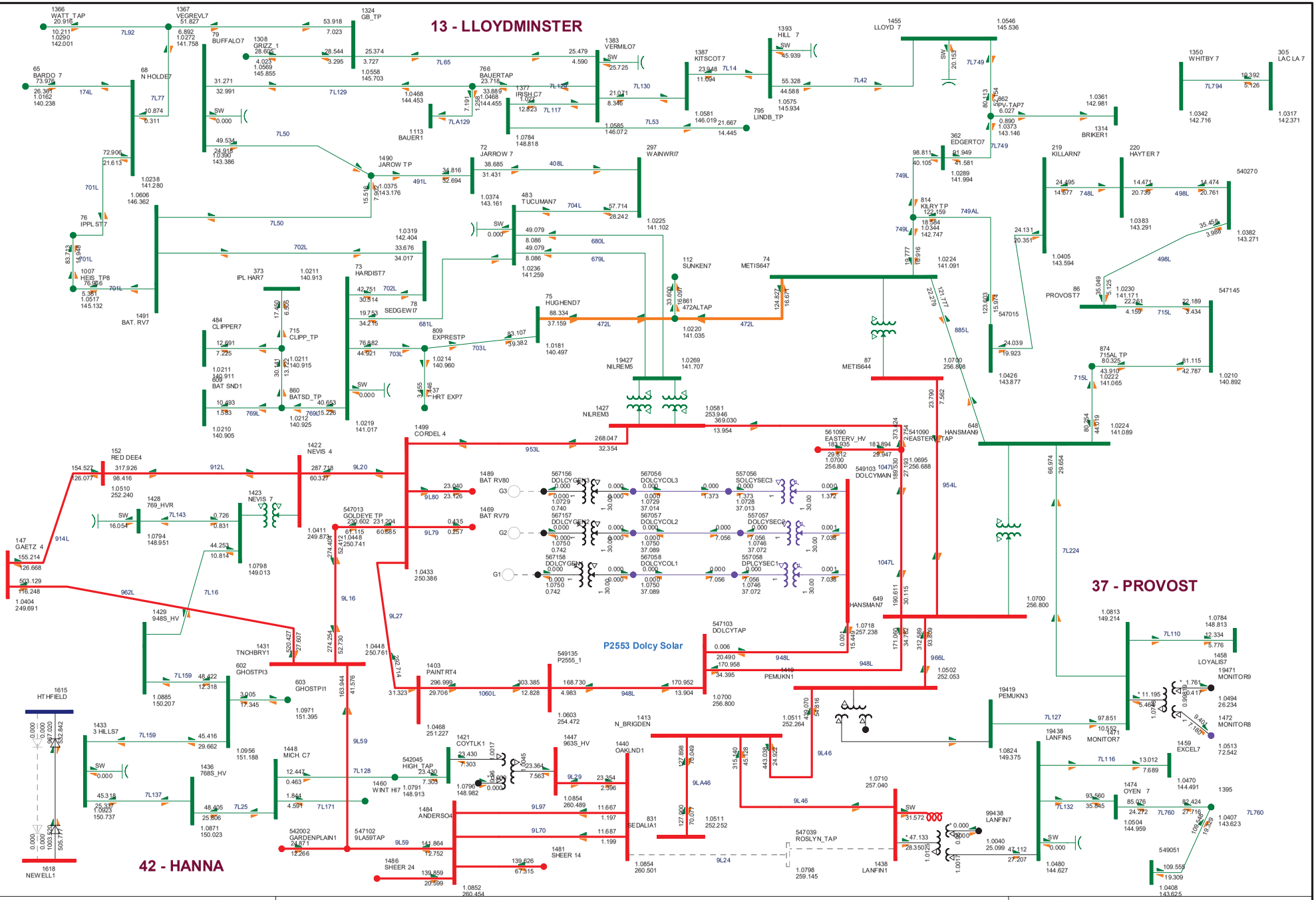


P2553 Dolcy Solar Battery MPC

FIGURE A2.4-16 N-1: 1047L (HANSMAN LAKE 650S TO NILREM 574S)
2028 SUMMER PEAK LG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

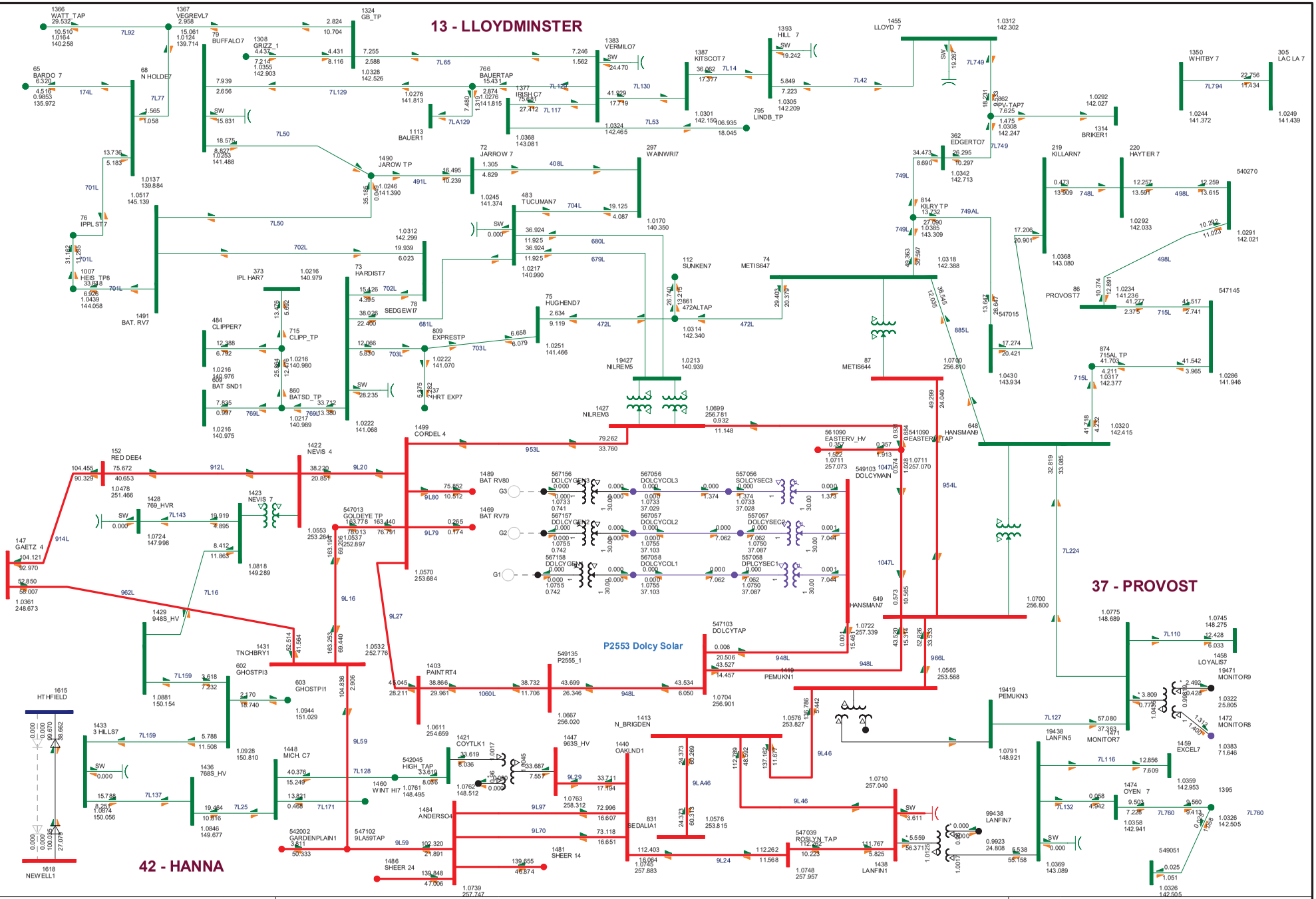


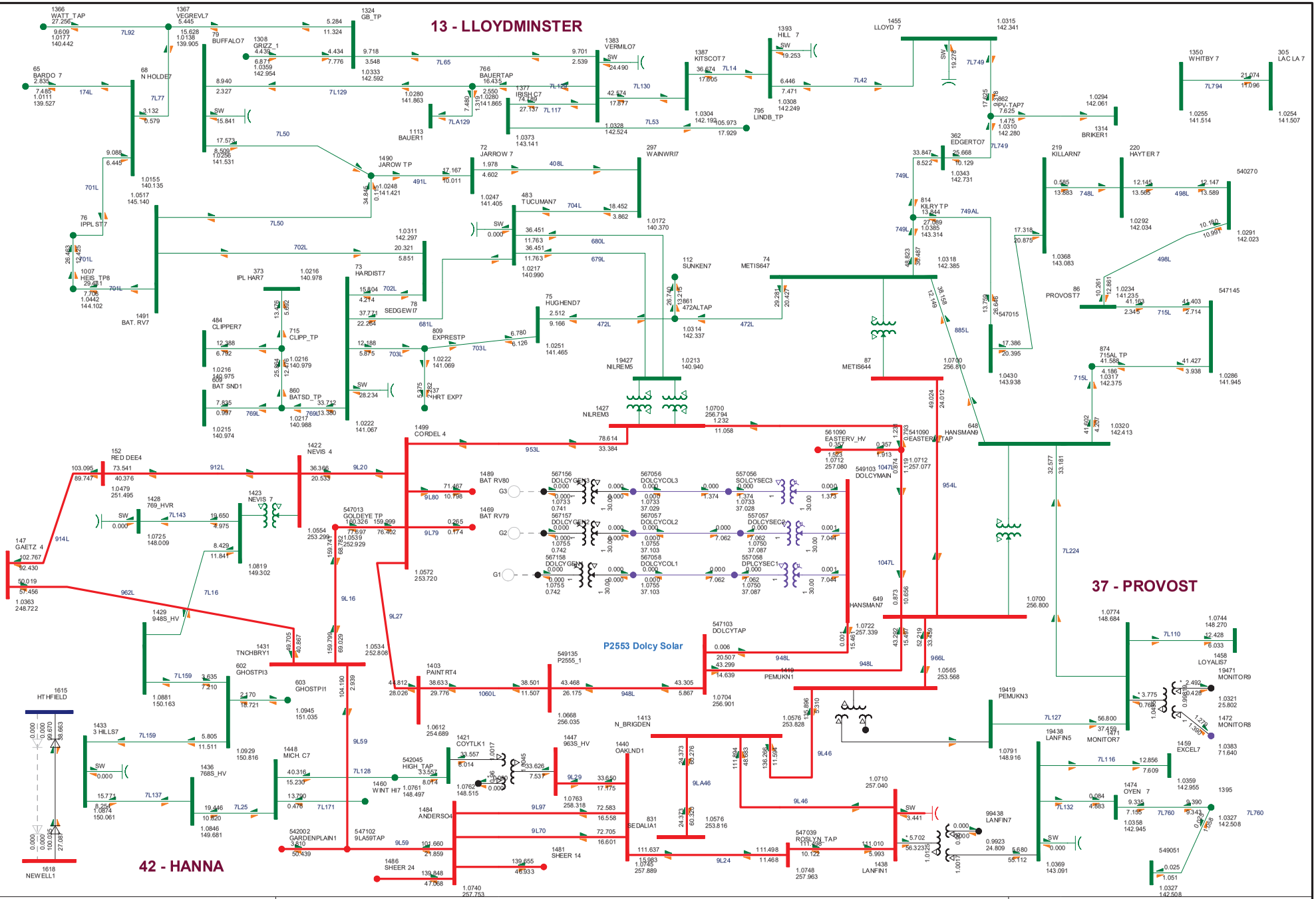
P2553 Dolcy Solar Battery MPC

FIGURE A2.4-17 N-1: 9L24 (OAKLAND 946S - LANFINE 959S)
2028 SUMMER PEAK LG (PRE-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
1366 WATT_TAP 29.534
1367 VEGREVL7 2.958
1324 GB_TP
1308 GRIZZ_1 4.437
79 BUFFALO7
65 BARDO_7 6.320
68 N HOLDE7
766 BAUERTAP 15.431
1113 BAUER1
1377 IRISH_C7 75.841
1383 VERMILO7
1387 KITSCOT7 36.662
1393 HILL_7 19.242
1455 LLOYD 7
1350 WHITBY 7
305 LAC LA 7
795 LINDB_TP
362 EDGERTO7 26.295
1314 BRIKER1
219 KILLARN7
220 HAYTER 7
540270
814 KILRY TP 13.732
1490 JAROW TP
72 JARROW 7 1.305
297 WAINWRI7
483 TUCUMAN7
112 SUNKEN7
74 METIS647
87 METIS644
86 PROVOST7
547145
547015
874 715AL TP 41.703
1499 CORDEL 4
1427 NILREM3
19427 NILREM5
152 RED DEE4
1422 NEVIS 4
1423 NEVIS 7
1428 769_HVR
147 GAETZ 4
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1433 3 HILLS7
1436 768S_HV
1448 MICH. C7
1460 WINT HI7
542045 HIGH_TAP
1403 PAINTRT4
1421 COYTLK1
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
831 SEDALIA1
1484 ANDERSO4
1481 SHEER 14
1486 SHEER 24
542002 GARDENPLAIN1
547102 9LA59TAP
1615 HTHFIELD
1618 NEWELL1
1489 BAT RV80
1469 BAT RV79
567156 DOLCYGEN3
567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 SOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
561090 EASTERV_HV
541090 EASTERV_TAP
549103 DOLCYMAIN
547103 DOLCYTAP
549135 P2555_1
1419 PEMUKN1
649 HANSMAN7
648 HANSMAN8
19419 PEMUKN3
1458 LOYALIS7
19471 MONITOR9
1472 MONITOR8
1471 MONITOR7
1459 EXCEL7
1474 OYEN 7
19438 LANFIN5
99438 LANFIN7
1438 LANFIN1
547039 ROSLYN_TAP
549051
1395
1491 BAT. RV7
1007 HEIS_TP8
76 IPPL ST7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
484 CLIPPER7
715 CLIPP_TP
609 BAT SND1
860 BATSD_TP
809 EXPRESTP
75 HUGHEND7
112 SUNKEN7
472ALTAP
814 KILRY TP
86 PROVOST7
874 715AL TP
P2553 Dolcy Solar Battery MPC
FIGURE A2.5-0-N-0: NORMAL OPERATION
2028 WINTER PEAK LG (PRE-CONNECTION), Pre-Curtailment
PRINTED ON TUESDAY 08. APRIL 2025
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
1366 WATT_TAP 27.256
1367 VEGREVL7 5.445
1324 GB_TP
1308 GRIZZ_1 4.435
1383 VERMILO7
1387 KITSCOT7
1393 HILL_7
1455 LLOYD 7
1350 WHITBY 7
305 LAC LA 7
65 BARDO_7 2.835
68 N HOLDE7
766 BAUERTAP 16.435
1377 IRISH_C7 74.489
795 LINDB_TP
362 EDGERTO7 25.668
219 KILLARN7
220 HAYTER 7
540270
1113 BAUER1
1314 BRIKER1
72 JARROW 7 1.978
297 WAINWRI7
1490 JAROW TP
483 TUCUMAN7
112 SUNKEN7
74 METIS647
814 KILRY TP 13.844
76 IPPL ST7
1007 HEIS_TP8 29.431
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
484 CLIPPER7
715 CLIPP_TP
609 BAT SND1
860 BATSD_TP 33.742
809 EXPRESTP
75 HUGHEND7 2.512
472ALTAP
86 PROVOST7
547145
547015
874 715AL TP 41.588
19427 NILREM5
87 METIS644
1427 NILREM3
1499 CORDEL 4
561090 EASTERV_HV
541090 GEASTERTAP
648 HANSMAN8
549103 DOLCYMAIN
152 RED DEE4 73.541
1422 NEVIS 4 36.366
1423 NEVIS 7
1428 769_HVR
547013 GOLDEYE TP 160.326 159.999
1489 BAT RV80
1469 BAT RV79
567156 DOLCYGEN3
567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 SOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
147 GAETZ 4
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1403 PAINTRT4
549135 P2555_1
547103 DOLCYTAP
649 HANSMAN7
1419 PEMUKN1
19419 PEMUKN3
1458 LOYALIS7
19471 MONITOR9
1472 MONITOR8
1459 EXCEL7
1471 MONITOR7
19438 LANFIN5
1474 OYEN 7
1395
99438 LANFIN7
1615 HTHFIELD
1618 NEWELL1
1433 3 HILLS7
1436 768S_HV
1448 MICH. C7
1460 WINT HI7
542045 HIGH_TAP
1421 COYTLK1
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
831 SEDALIA1
1484 ANDERSO4
1481 SHEER 14
1486 SHEER 24
542002 GARDENPLAIN1
547102 9LA59TAP
547039 ROSLYN_TAP
1438 LANFIN1
549051
7L24
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7L794
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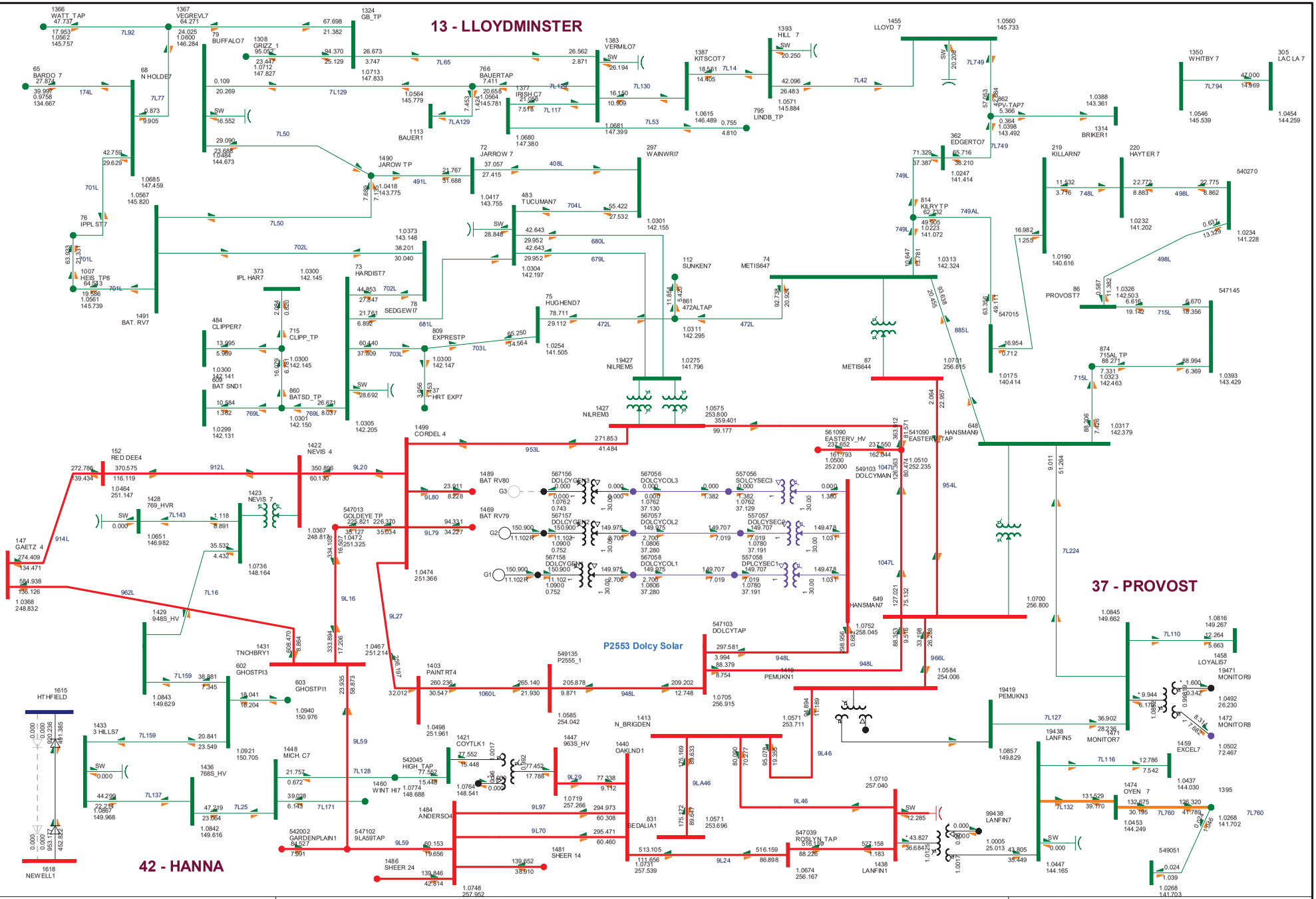
7L40

Attachment A3
Post-Project Power Flow Diagrams

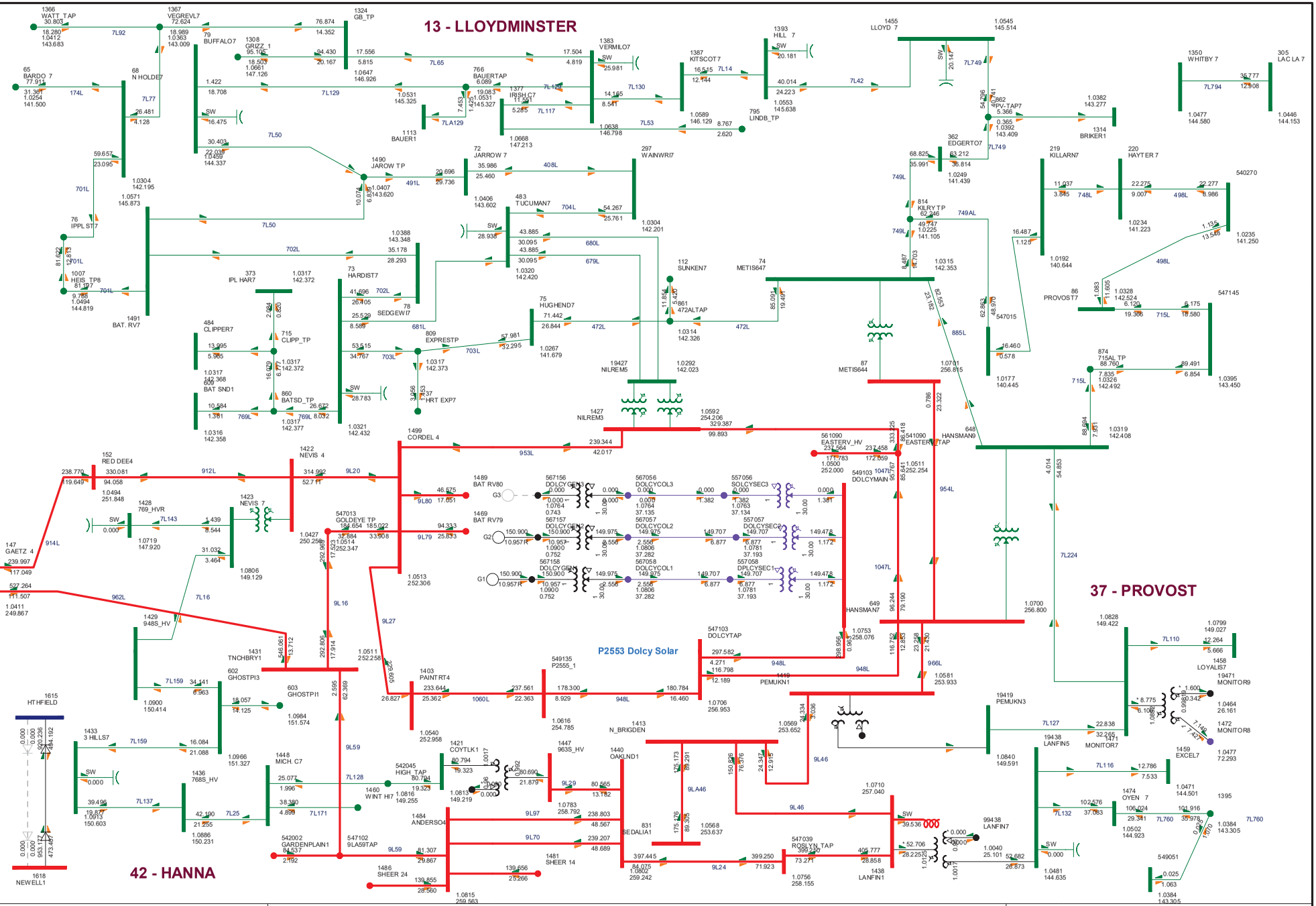


P2553 Dolcy Solar Battery MPC

FIGURE A3.1-0-N-0: NORMAL OPERATION
2028 SUMMER LIGHT HG (POST-CONNECTION), Pre-Curtailment
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000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37 - PROVOST
42 - HANNA
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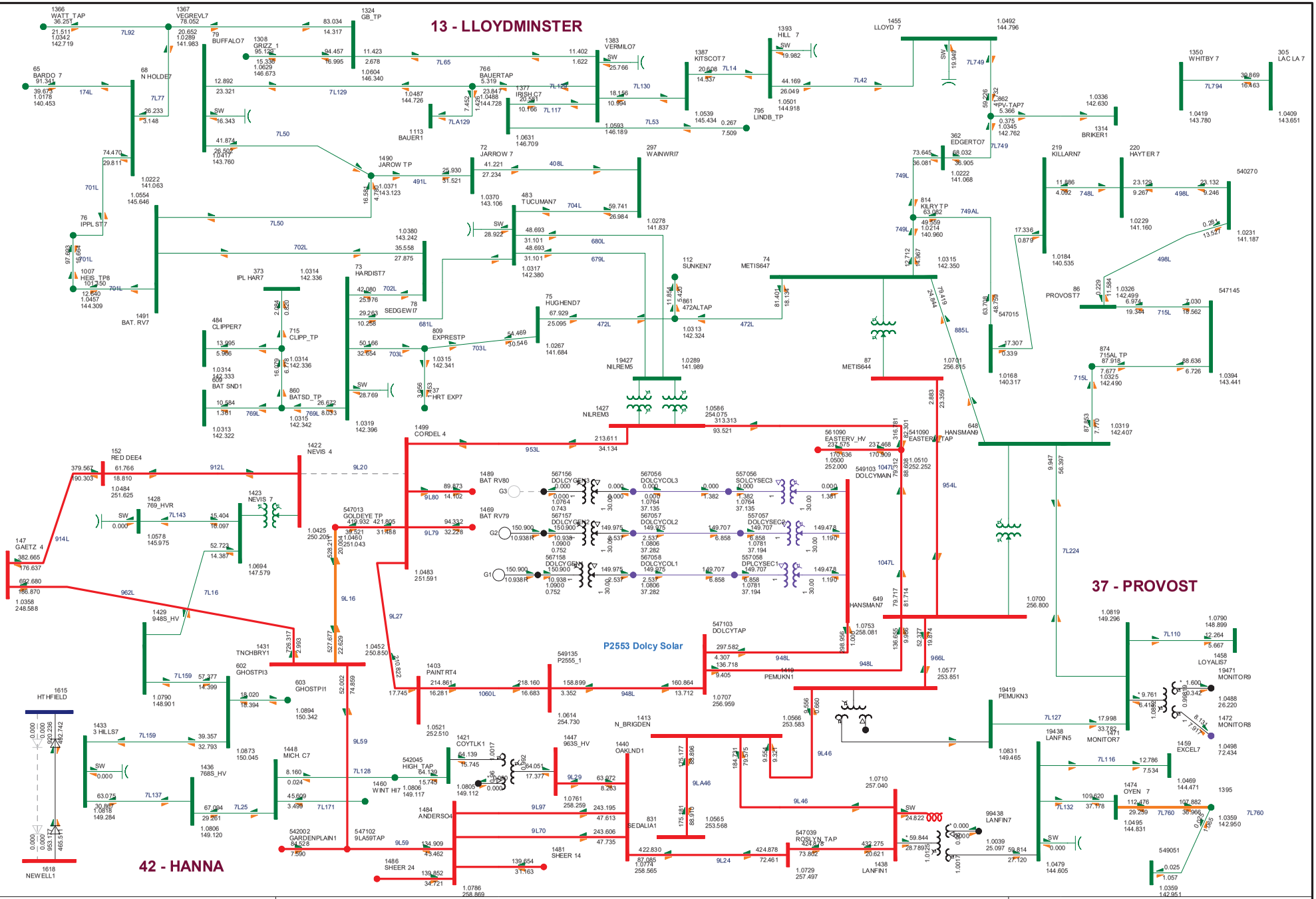
1367 VEGREVL7 72.624
1324 GB_TP
1455 LLOYD 7
1393 HILL 7
1383 VERMILO7
1387 KITSCOT7
1377 IRISH_C7
766 BAUERTAP 6.089
1113 BAUER1
795 LINDB_TP
65 BARDO 7 77.914
68 N HOLDE7
1308 GRIZZ 1 95.105
1490 JAROW TP
72 JARROW 7 35.986
297 WAINWRI7
483 TUCUMAN7 43.885
112 SUNKEN7
74 METIS647
87 METIS644
76 IPPL ST7
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
484 CLIPPER7
715 CLIPP_TP
809 EXPRESTP
HRT EXP7
1007 HEIS_TP8
860 BATSD_TP
1499 CORDEL 4
1422 NEVIS 4
152 RED DEE4
1423 NEVIS 7
1428 769_HVR
147 GAETZ 4
1489 BAT RV80
1469 BAT RV79
567156 DOLCYGEN3
567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 DOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
547013 GOLDEYE TP
19427 NILREM5
1427 NILREM3
561090 EASTERV_HV
541090 EASTERV_TAP
549103 1047L DOLCYMAIN
648 HANSMAN8
649 HANSMAN7
547103 DOLCYTAP
549135 P2555_1
1403 PAINTRT4
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1615 HTHFIELD
1618 NEWELL1
1433 3 HILLS7
1436 768S_HV
1448 MICH. C7
1460 WINT HI7
542045 HIGH_TAP
1421 COYTLK1
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
1484 ANDERSO4
831 SEDALIA1
542002 GARDENPLAIN1
547102 9LA59TAP
1481 SHEER 14
1486 SHEER 24
547039 ROSLYN_TAP
1438 LANFIN1
99438 LANFIN7
19438 LANFIN5
19419 PEMUKN3
1449 PEMUKN1
1350 WHITBY 7
305 LAC LA 7
1314 BRIKER1
362 EDGERTO7
814 KILRY TP
219 KILLARN7
220 HAYTER 7
540270
86 PROVOST7
547145
547015
874 715AL_TP
1458 LOYALI7
19471 MONITOR9
1472 MONITOR8
1471 MONITOR7
1459 EXCEL7
1474 OYEN 7
1395
549051
542862 PV_TAP7 5.366
472ALTAP
P2553 Dolcy Solar Battery MPC
FIGURE A3.1-1-N-0: NORMAL OPERATION
2028 SUMMER LIGHT HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025
Page 151 of 615
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

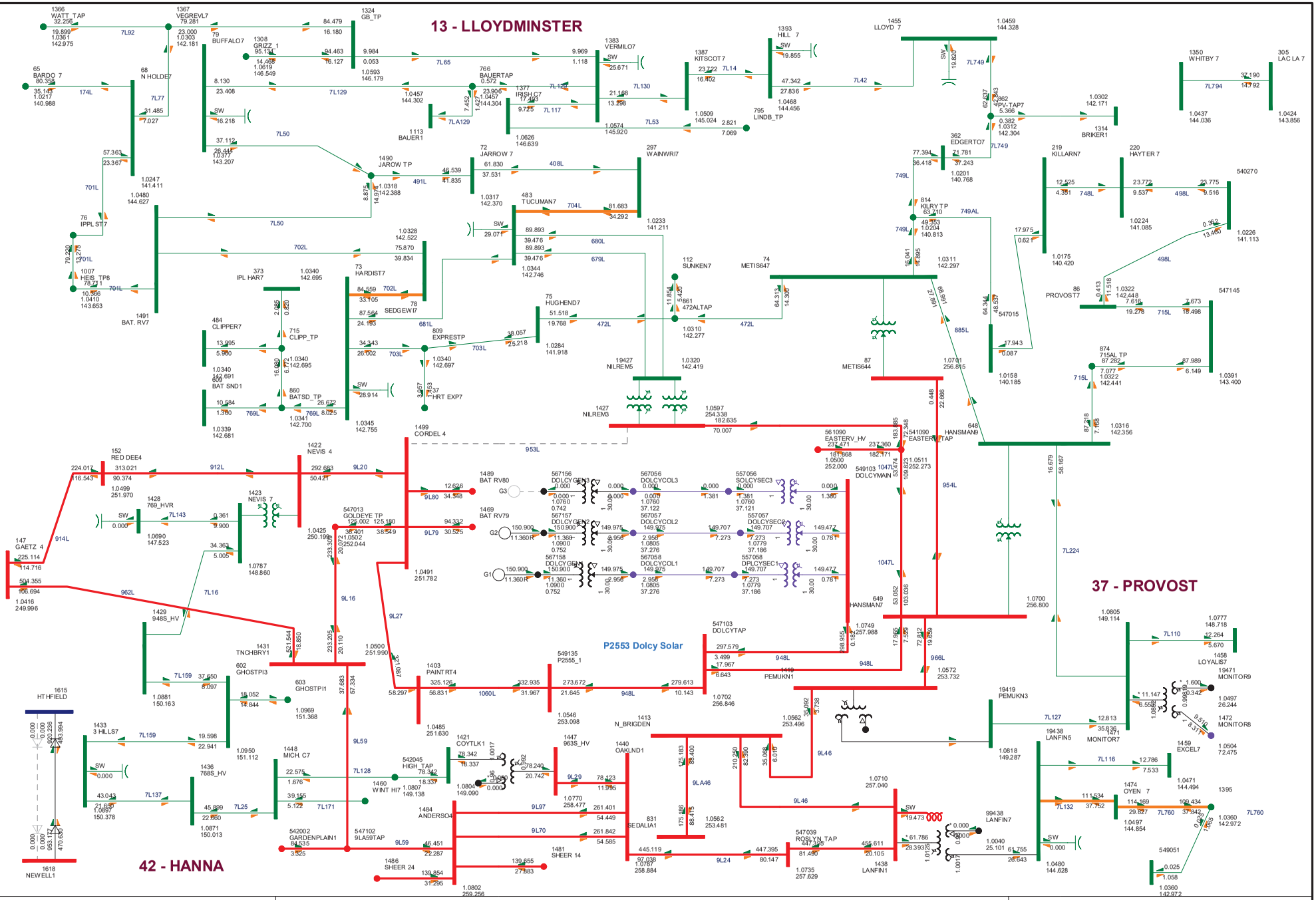


P2553 Dolcy Solar Battery MPC

FIGURE A3.1-2 N-1: 9L20 (NEVIS 766S TO CORDEL 755S)
2028 SUMMER LIGHT HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

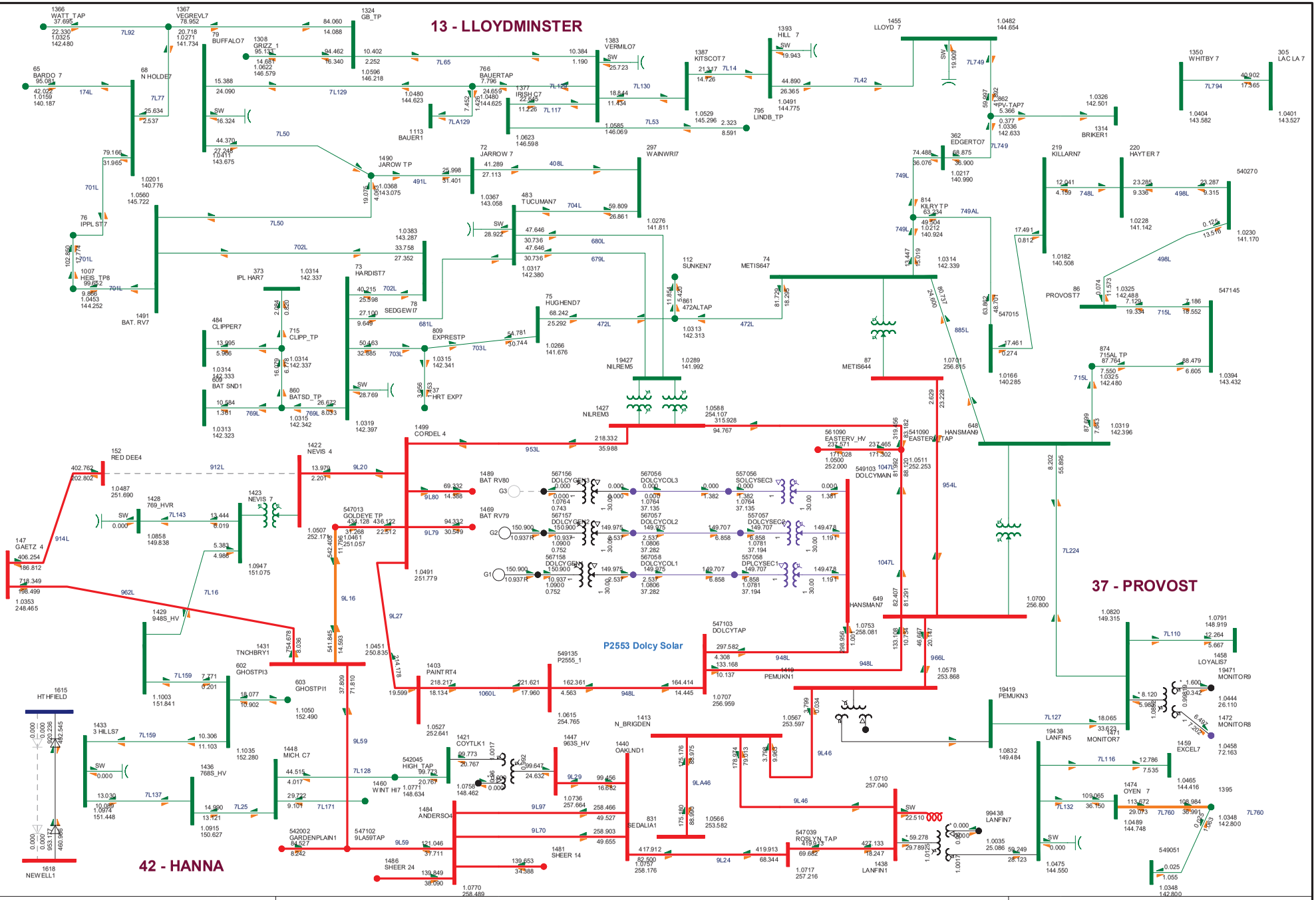


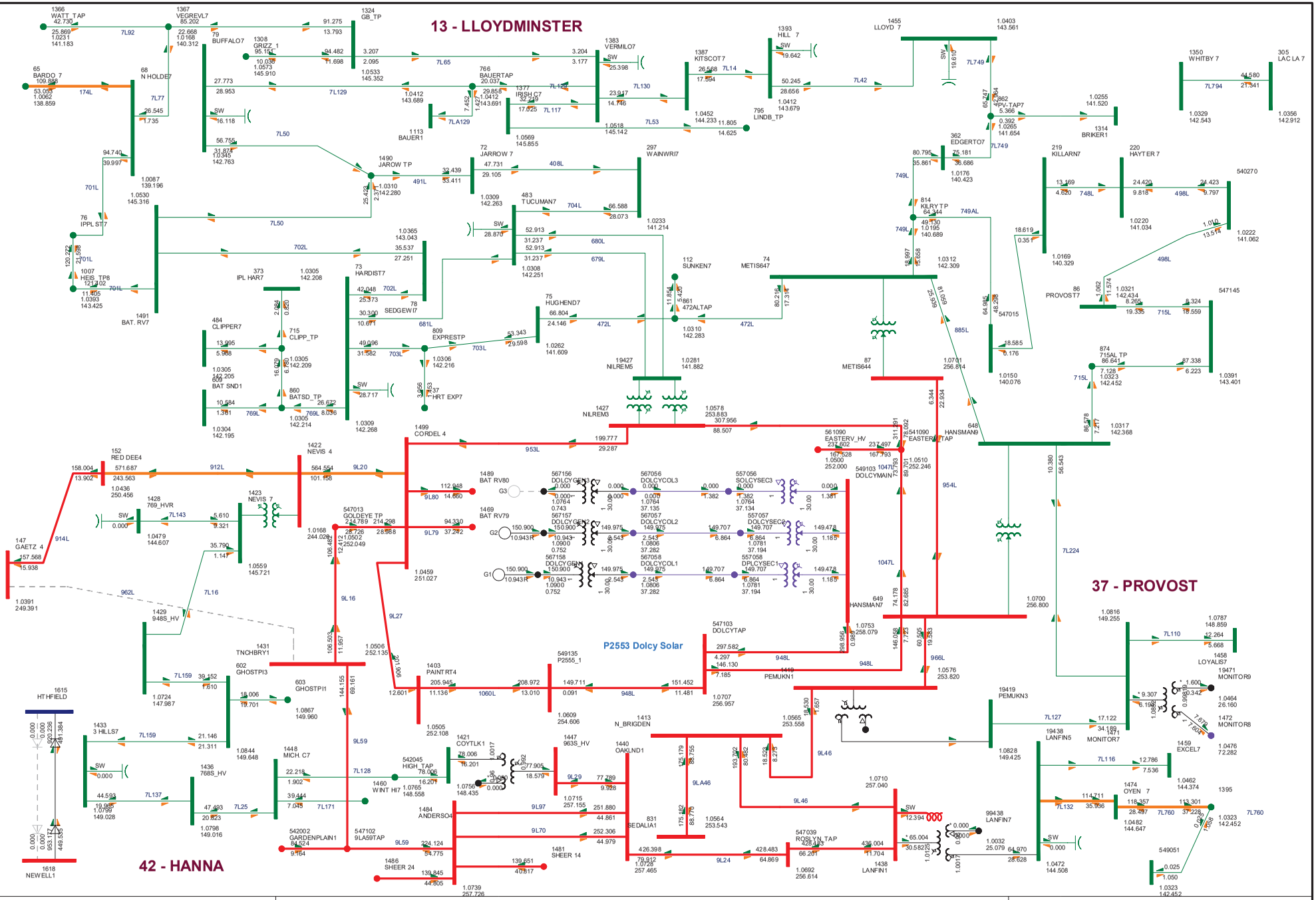
P2553 Dolcy Solar Battery MPC

FIGURE A3.1-3 N-1: 953L (NILREN 574S TO CORDEL 755S)
2028 SUMMER LIGHT HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
1366 WATT_TAP 37.695
1367 VEGREVL7 78.952
1324 GB_TP
1308 GRIZZ_1 95.133
1383 VERMILO7
1387 KITSCOT7
1393 HILL_7
1455 LLOYD 7
1482 144.654
1350 WHITBY 7
305 LAC LA 7
65 BARDO_7 95.081
68 N HOLDE7
766 BAUERTAP 7.796
1377 IRISH_C7 22.685
795 LINDB_TP
1491 BAT. RV7
1490 JAROW TP
72 JARROW 7 41.289
297 WAINWRI7
483 TUCUMAN7
112 SUNKEN7
74 METIS647
362 EDGERTO7
814 KILRY TP 63.234
219 KILLARN7
220 HAYTER 7
540270
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
484 CLIPPER7
715 CLIPP_TP
809 EXPRESTP
75 HUGHEND7
1499 CORDEL 4
19427 NILREM5
1427 NILREM3
87 METIS644
561090 EASTERV_HV 237.571
541090 EASTERV_TAP
648 HANSMAN8
549103 1047L DOLCYMAIN
152 RED DEE4
1422 NEVIS 4
1423 NEVIS 7
1428 769_HVR
547013 GOLDEYE TP 439.128 436.122
1489 BAT RV80
1469 BAT RV79
567156 DOLCYGEN3
567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 DOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
147 GAETZ 4
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1403 PAINTRT4
549135 P2555_1
547103 DOLCYTAP
649 HANSMAN7
1419 PEMUKN1
19419 PEMUKN3
1458 LOYALIS7
19471 MONITOR9
1472 MONITOR8
1459 EXCEL7
1474 OYEN 7
1395
1615 HTHFIELD
1618 NEWELL1
1433 3 HILLS7
1436 768S_HV
1448 MICH. C7
1460 WINT HI7
542045 HIGH_TAP
1421 COYTLK1
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
831 SEDALIA1
1484 ANDERSO4
542002 GARDENPLAIN1
547102 9LA59TAP
1481 SHEER 14
1486 SHEER 24
547039 ROSLYN_TAP
1438 LANFIN1
99438 LANFIN7
19438 LANFIN5
1471 MONITOR7
549051
P-TAP7 5.366
BRIKER1
HAYTER 7
PROVOST7
547145
874 715AL TP 87.764
547015
1047L
954L
953L
962L
914L
912L
1060L
948L
966L
885L
749L
748L
715L
498L
680L
679L
681L
703L
702L
701L
704L
472L
408L
491L
7L92
7L129
7L65
7L50
7L77
7L42
7L749
7L130
7L53
7L14
7L117
7L143
7L16
7L27
7L224
7L159
7L137
7L128
7L171
7L25
7L127
7L116
7L132
7L760
7L794
7L110
9L20
9L80
9L79
9L16
9L59
9L97
9L70
9L29
9L46
9L24
9L59
9LA46
P2553 Dolcy Solar Battery MPC
FIGURE A3.1-4 N-1: 912L (NEVIS 766S TO RED DEER 63S)
2028 SUMMER LIGHT HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025
Page 154 of 615
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

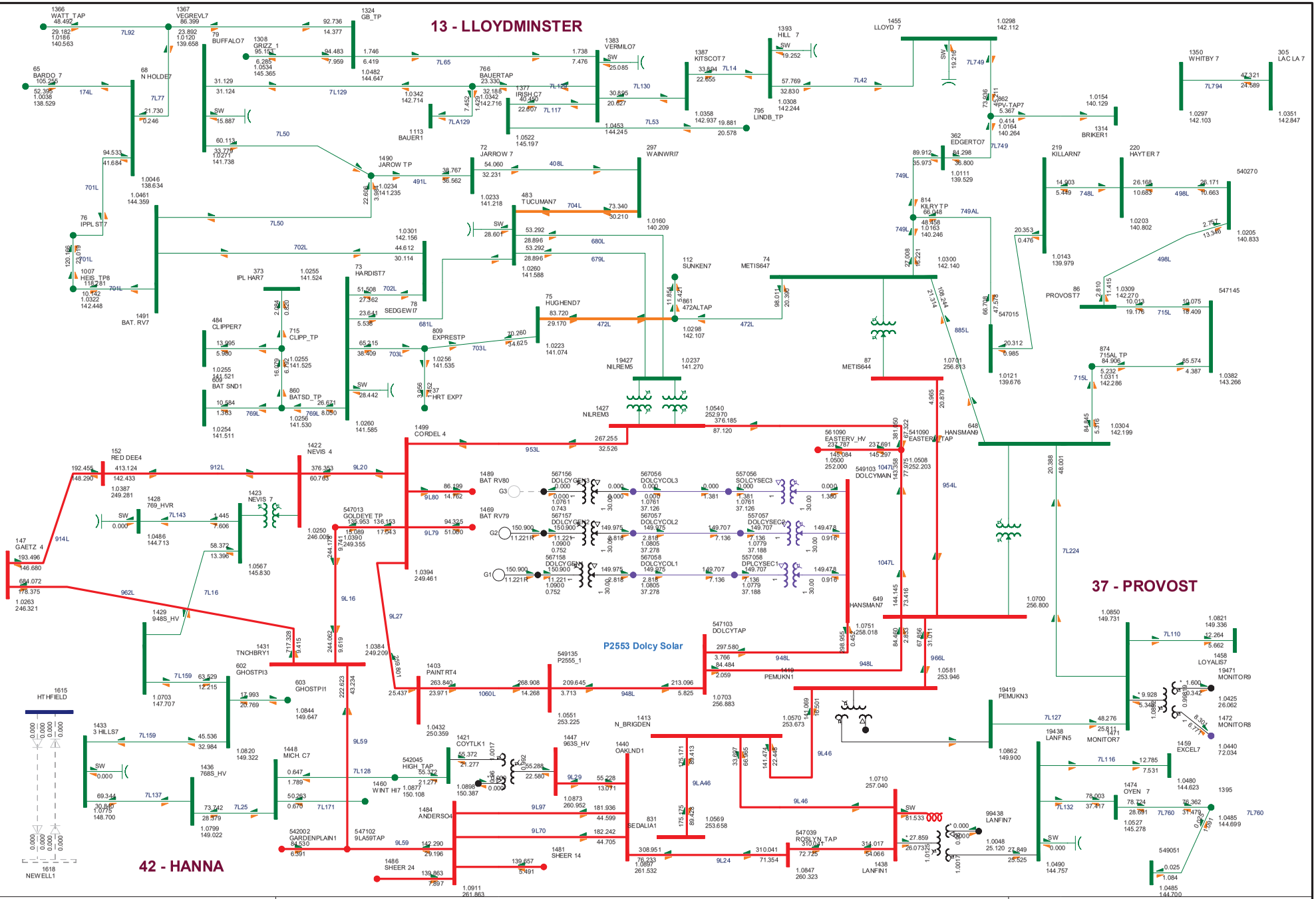


P2553 Dolcy Solar Battery MPC

FIGURE A3.1-5 N-1: 962L/9L62 (TINCHEBRAY 972S TO GAETZ 87S)
2028 SUMMER LIGHT HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

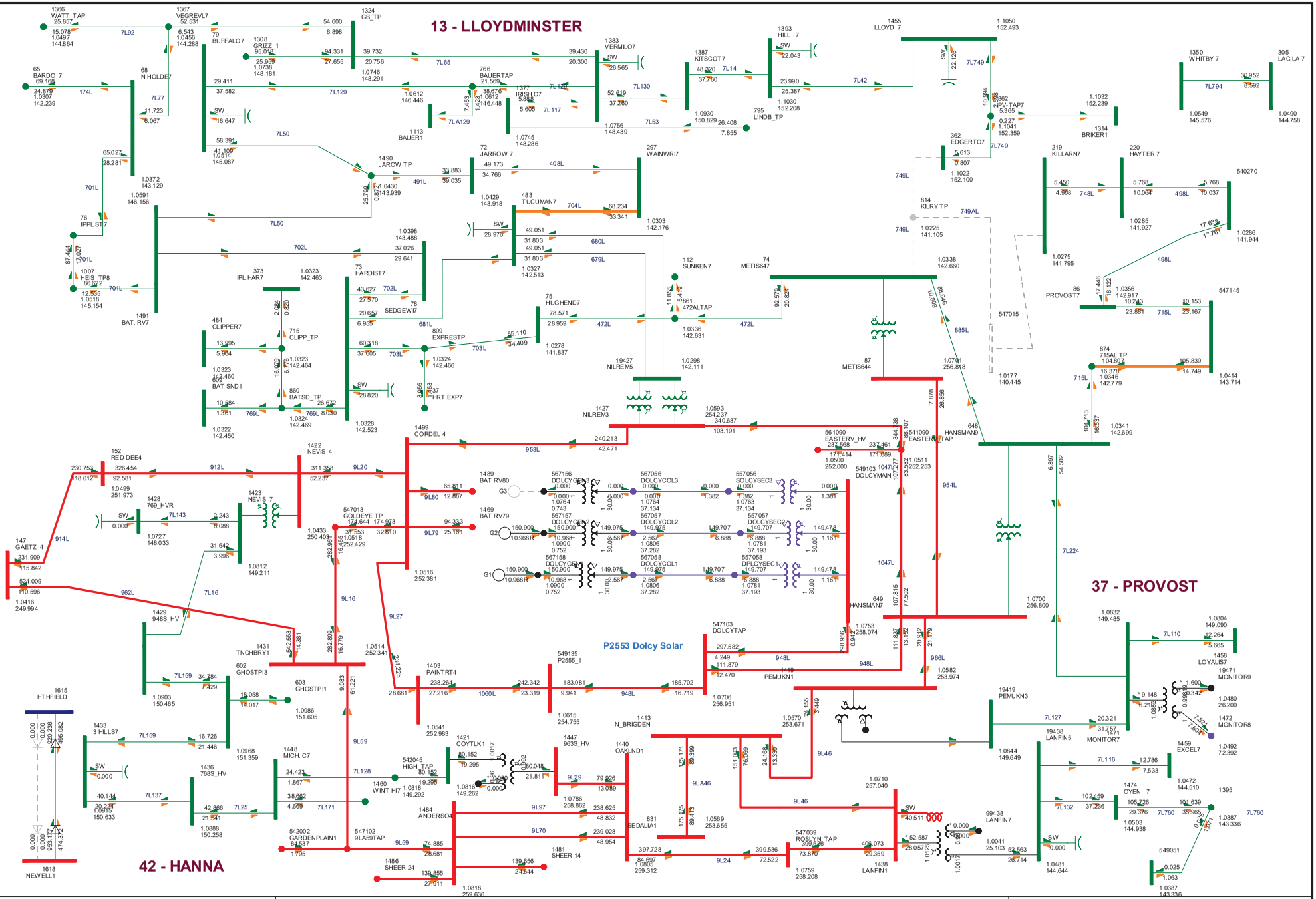


P2553 Dolcy Solar Battery MPC

FIGURE A3.1-6 N-1: EATL
2028 SUMMER LIGHT HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
1366 WATT_TAP 25.857
1367 VEGREVL7 52.531
1324 GB_TP
1308 GRIZZ_1 95.014
1383 VERMILO7
1387 KITSCOT7 48.320 37.760
1393 HILL_7 22.043
1455 LLOYD_7
1350 WHITBY 7
305 LAC LA 7
65 BARDO_7 69.188
68 N HOLDE7
766 BAUERTAP 21.569
1377 IRISH_C7 5.844
795 LINDB_TP
362 EDGERTO7
219 KILLARN7
220 HAYTER 7
540270
814 KILRY TP
112 SUNKEN7
74 METIS647
86 PROVOST7
547145
547015
72 JARROW 7
297 WAINWRI7
1490 JAROW TP
483 TUCUMAN7
76 IPPL ST7
1007 HEIS_TP8
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
484 CLIPPER7
715 CLIPP_TP
809 EXPRESTP
860 BATSD_TP
HRT EXP7
75 HUGHEND7
472ALTAP
87 METIS644
874 715AL TP 104.807
19427 NILREM5
1427 NILREM3
1499 CORDEL 4
1422 NEVIS 4
152 RED DEE4
1423 NEVIS 7
1428 769_HVR
147 GAETZ 4
524.009
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1615 HTHFIELD
1433 3 HILLS7
1436 768S_HV
1618 NEWELL1
1448 MICH. C7
1460 WINT HI7
1484 ANDERSO4
1486 SHEER 24
1481 SHEER 14
1403 PAINTRT4
1421 COYTLK1
542045 HIGH_TAP
542002 GARDENPLAIN1
547102 9LA59TAP
1489 BAT RV80
1469 BAT RV79
547013 GOLDEYE TP
567156 DOLCYGEN3
567157 DOLCYGEN2
567158 DOLCYGEN1
567056 DOLCYCOL3
567057 DOLCYCOL2
567058 DOLCYCOL1
557056 SOLCYSEC3
557057 DOLCYSEC2
557058 DPLCYSEC1
547103 DOLCYTAP
549135 P2555_1
1419 PEMUKN1
649 HANSMAN7
648 HANSMAN8
561090 EASTERV_HV
541090 EASTERV_TAP
549103 1047L DOLCYMAIN
1413 N_BRIGDEN
1440 OAKLND1
1447 963S_HV
831 SEDALIA1
547039 ROSLYN_TAP
1438 LANFIN1
99438 LANFIN7
19438 LANFIN5
19419 PEMUKN3
1458 LOYALIS7
19471 MONITOR9
1472 MONITOR8
1471 MONITOR7
1459 EXCEL7
1474 OYEN 7
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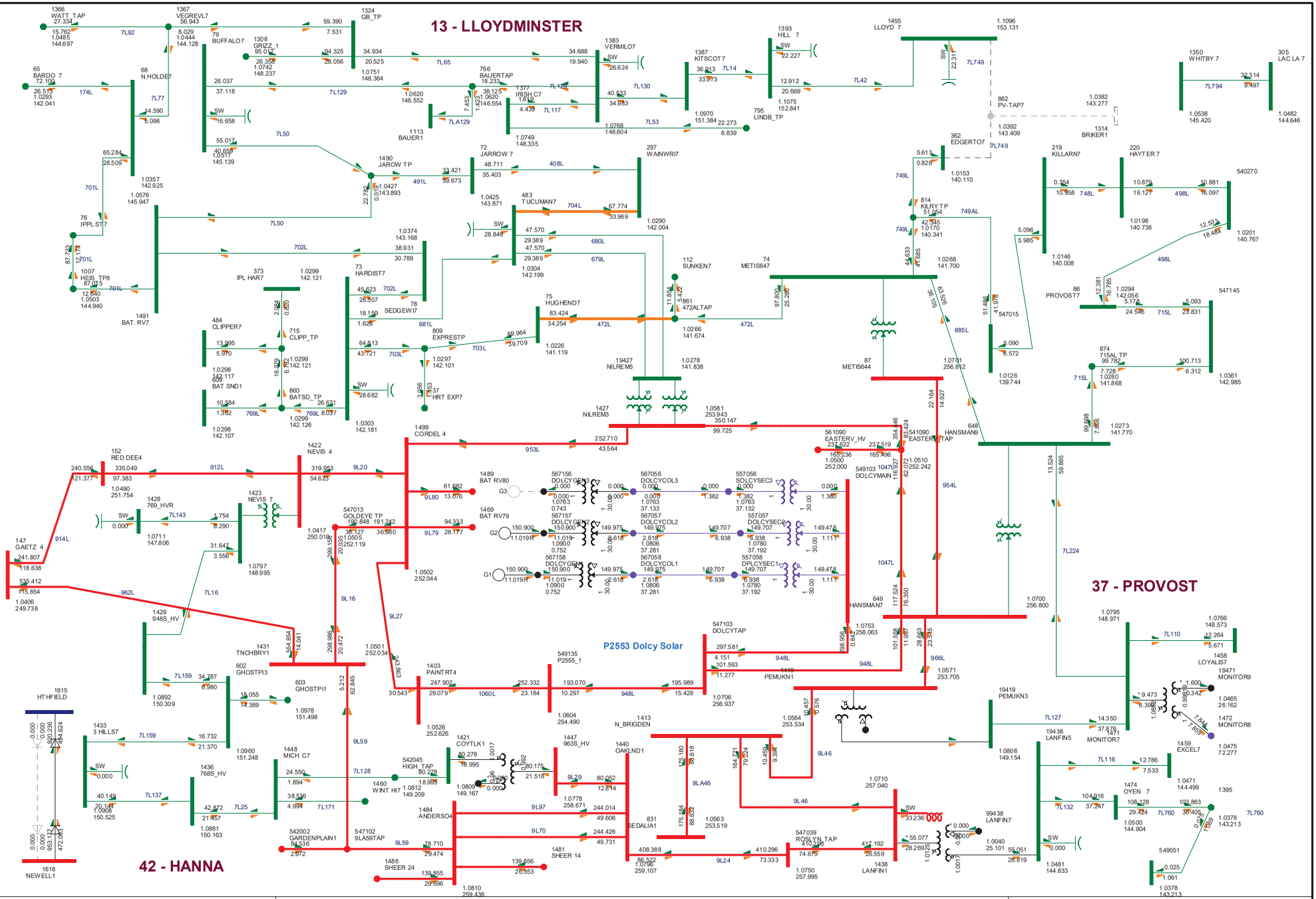
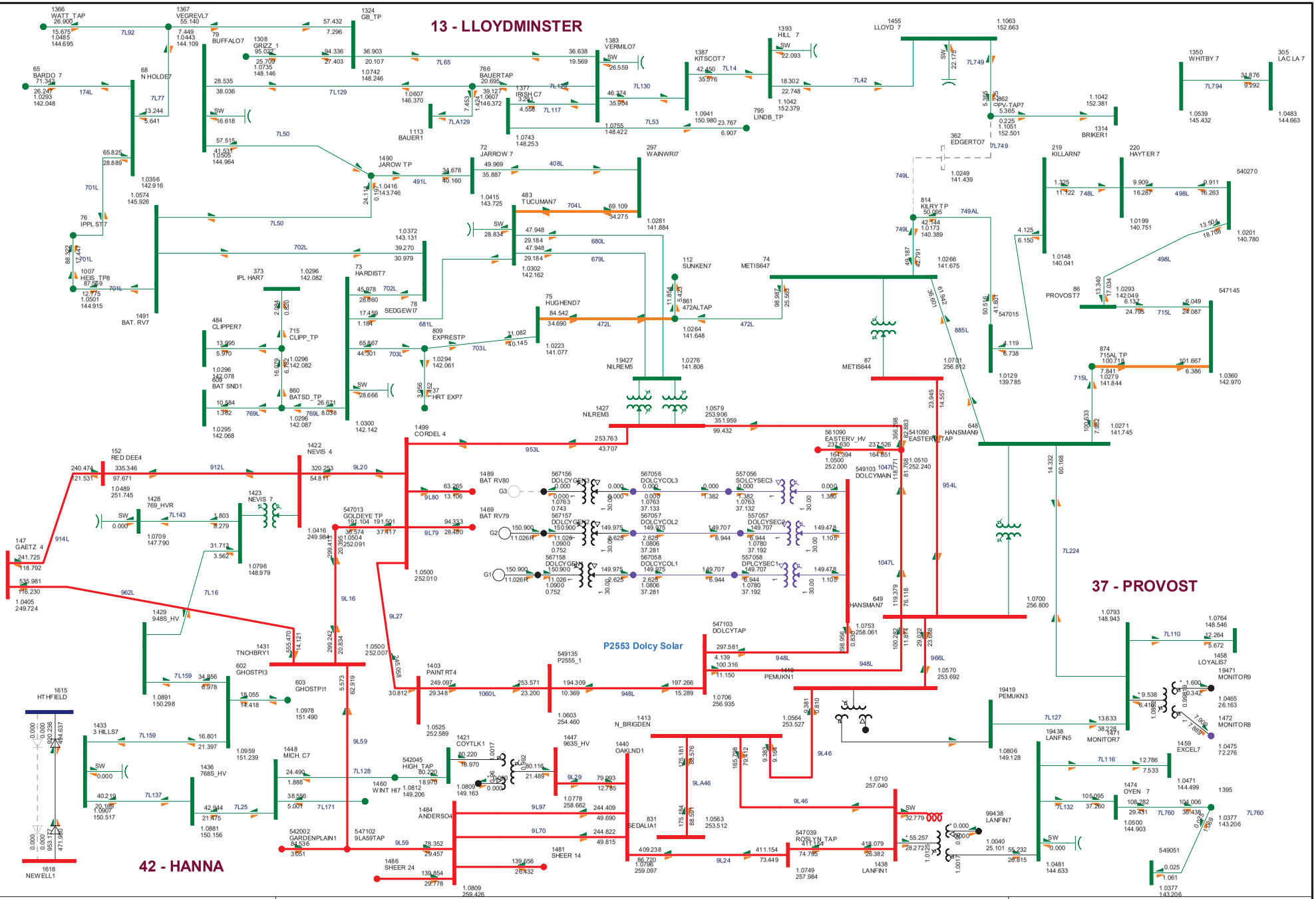
914L
962L
912L
953L
680L
679L
704L
702L
701L
681L
703L
749L
885L
1047L
954L
966L
948L
1060L
9L80
9L79
9L16
9L27
9L59
9L97
9L70
9L24
9L29
9L46
9LA46
7L92
7L77
7L50
7L65
7L129
7LA129
7L117
7L130
7L53
7L14
7L42
7L749
7L794
7L143
7L159
7L128
7L137
7L25
7L171
7L16
7L224
7L110
7L127
7L116
7L132
7L760
P2553 Dolcy Solar Battery MPC
FIGURE A3.1-7 N-1: 749L (METISKOW 648S TO EDGERTON 899S)
2028 SUMMER LIGHT HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000



P2553 Dolcy Solar Battery MPC

FIGURE A3.1-8 N-1: 749L/7L749 (EDGERTON 899S TO LLOYDMINSTER 716S)
2028 SUMMER LIGHT HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

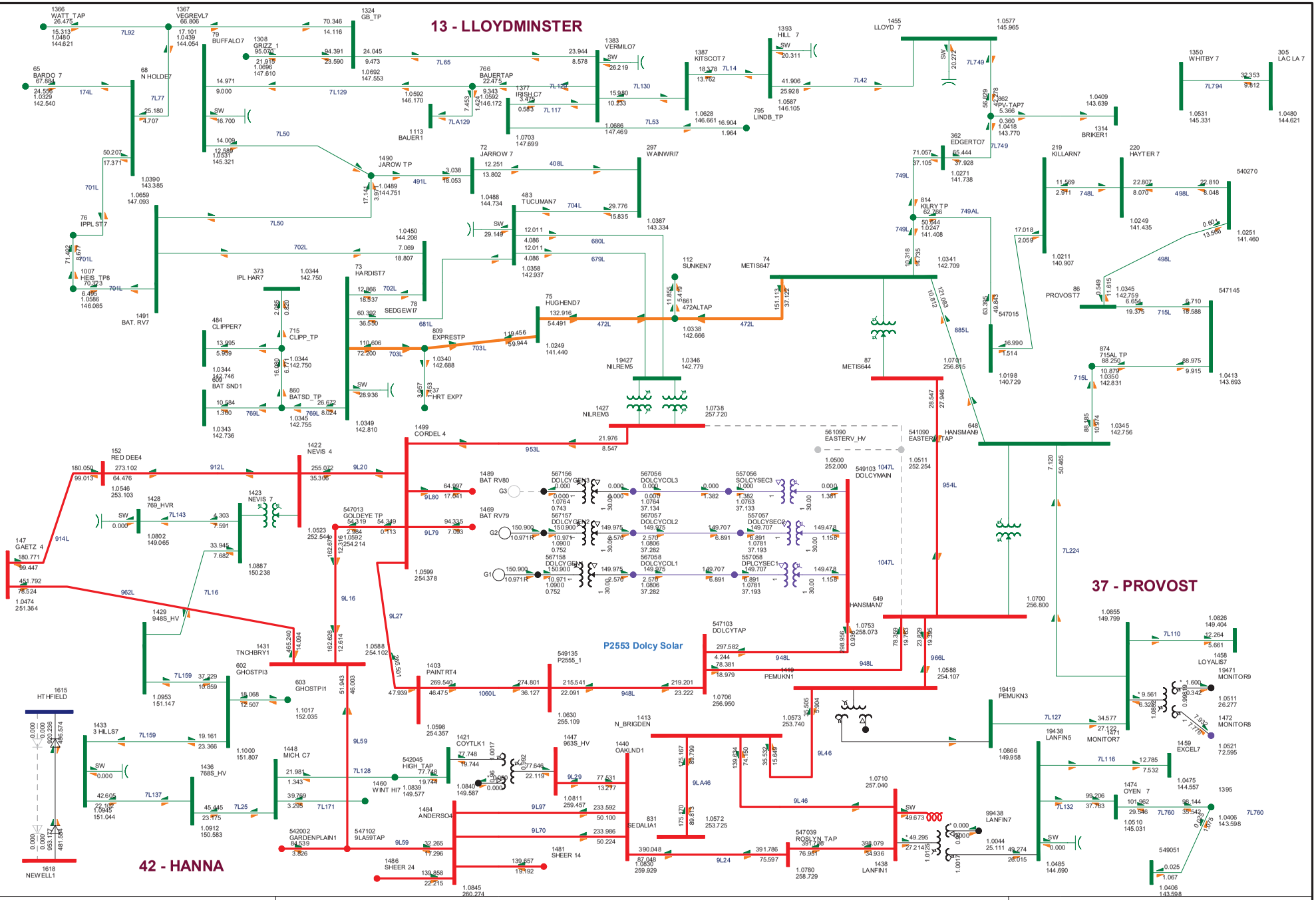


P2553 Dolcy Solar Battery MPC

FIGURE A3.1-9 N-1: EDGERTON 899S TRANSFORMER T1
2028 SUMMER LIGHT HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

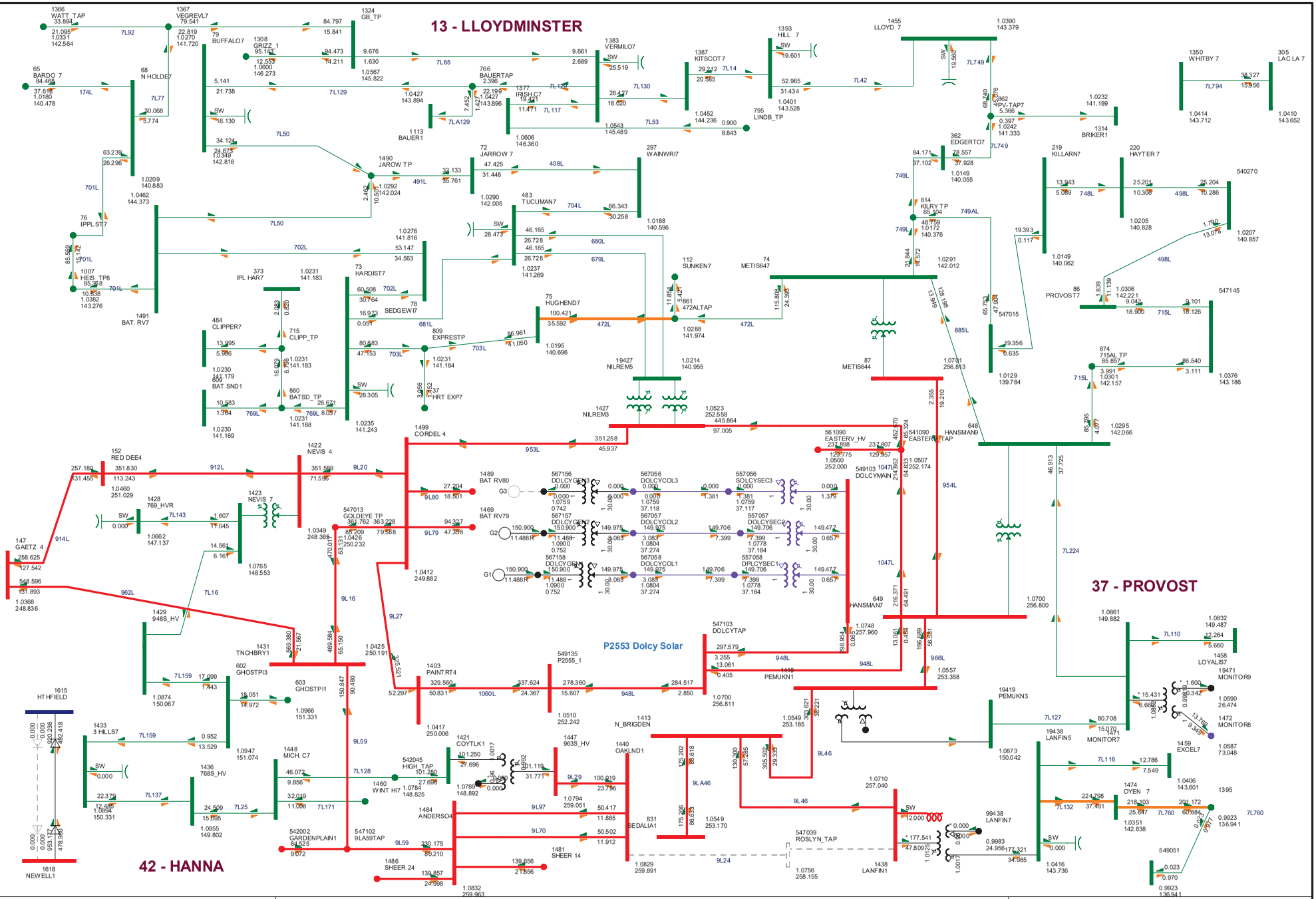


P2553 Dolcy Solar Battery MPC

FIGURE A3.1-10 N-1: 1047L (HANSMAN LAKE 650S TO NILREM 574S)
2028 SUMMER LIGHT HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

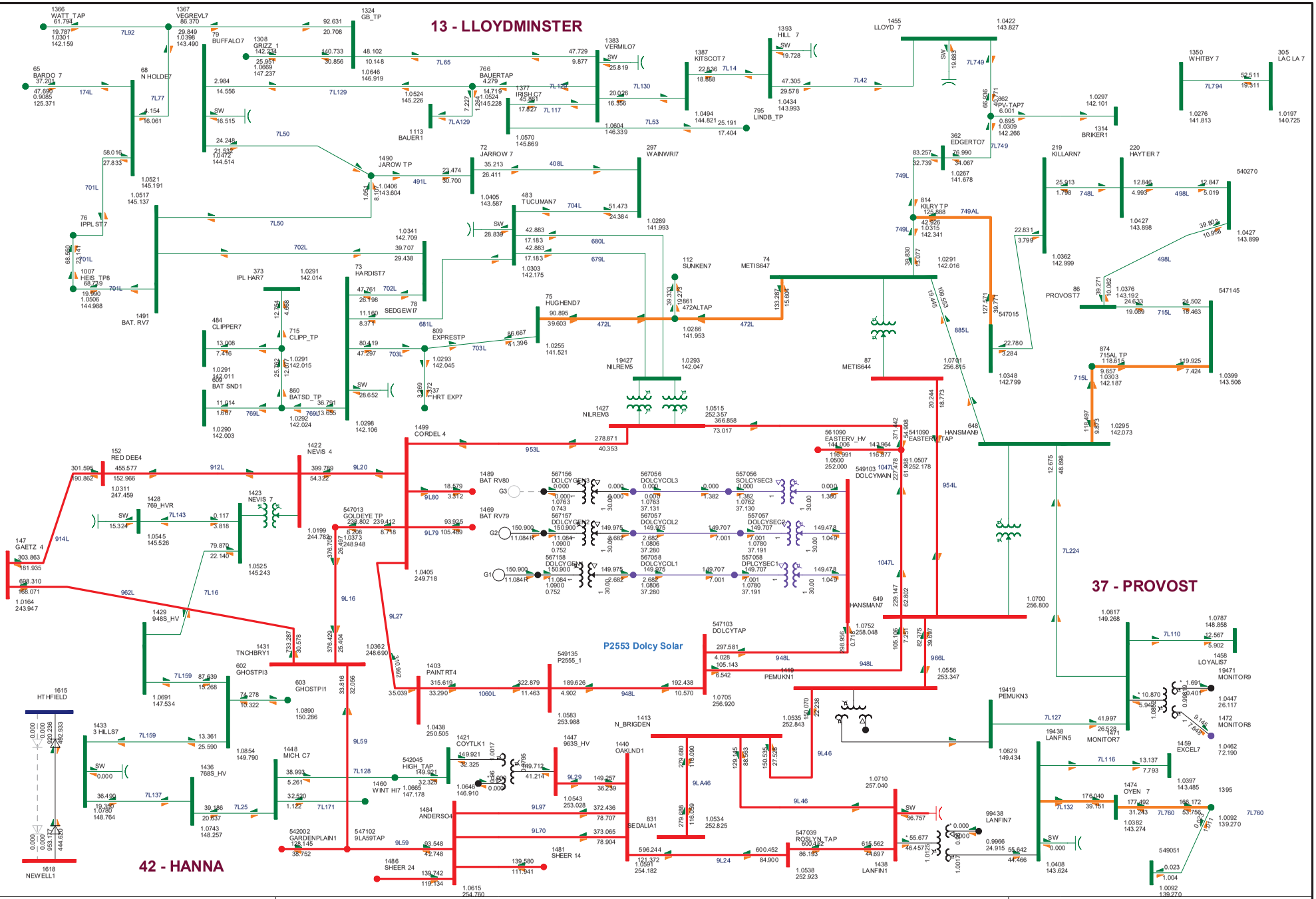


P2553 Dolcy Solar Battery MPC

FIGURE A3.1-11 N-1: 9L24 (OAKLAND 946S - LANFINE 959S)
2028 SUMMER LIGHT HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

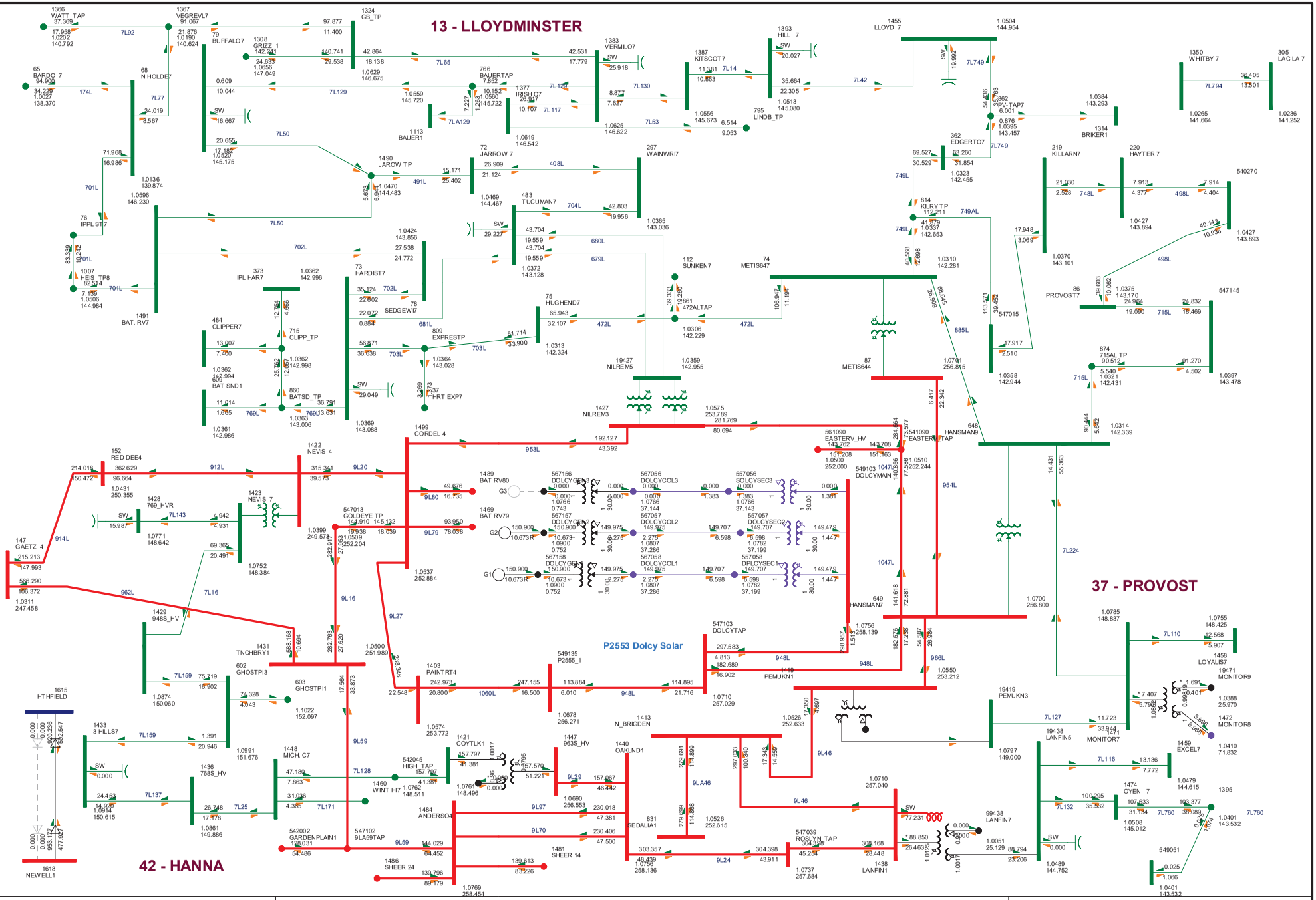


P2553 Dolcy Solar Battery MPC

FIGURE A3.2-0-N-0: NORMAL OPERATION
2028 SUMMER PEAK HG (POST-CONNECTION), Pre-Curtailment
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

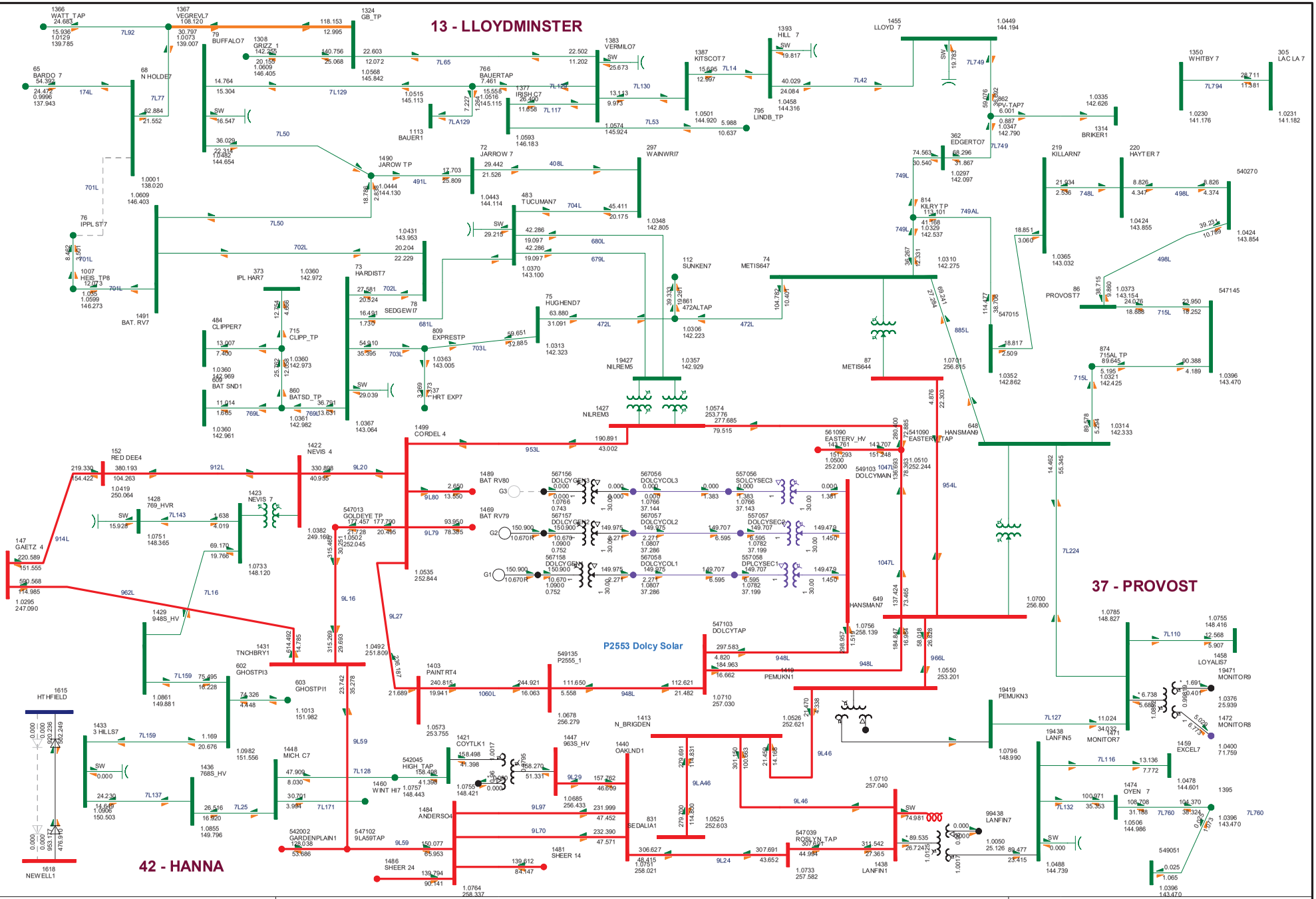


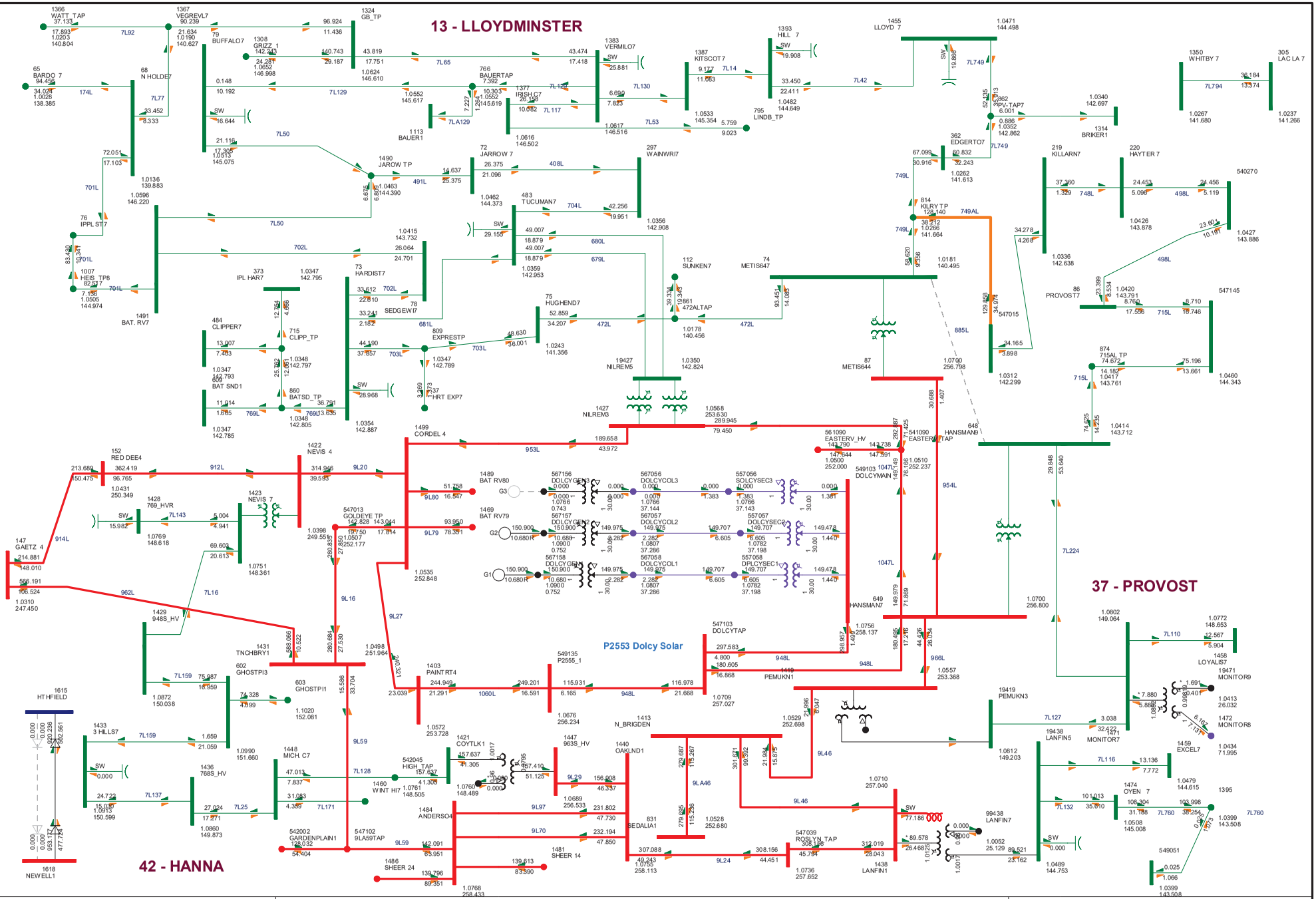
P2553 Dolcy Solar Battery MPC

FIGURE A3.2-1-N-0: NORMAL OPERATION
2028 SUMMER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
1366 WATT_TAP
1367 VEGREVL7
1324 GB_TP
65 BARDO 7
68 N HOLDE7
1308 GRIZZ 1
79 BUFFALO7
766 BAUERTAP
1377 IRISH C7
1383 VERMILO7
1387 KITSCOT7
1393 HILL 7
1455 LLOYD 7
1350 WHITBY 7
305 LAC LA 7
1113 BAUER1
795 LINDB_TP
362 EDGERTO7
PV-TAP7
1314 BRIKER1
219 KILLARN7
220 HAYTER 7
540270
1490 JAROW TP
72 JARROW 7
297 WAINWRI7
483 TUCUMAN7
112 SUNKEN7
74 METIS647
814 KILRY TP
76 IPPL ST7
1007 HEIS_TP8
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
484 CLIPPER7
715 CLIPP_TP
809 EXPRESTP
HRT EXP7
75 HUGHEND7
472ALTAP
547015
86 PROVOST7
547145
715AL TP
860 BATSD_TP
BAT SND1
1499 CORDEL 4
1422 NEVIS 4
152 RED DEE4
1423 NEVIS 7
1428 769_HVR
147 GAETZ 4
1489 BAT RV80
1469 BAT RV79
567156 DOLCYGEN3
567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 DOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
19427 NILREM5
1427 NILREM3
87 METIS644
561090 EASTERV_HV
541090 EASTERV_TAP
549103 DOLCYMAIN
648 HANSMAN8
649 HANSMAN7
547013 GOLDEYE TP
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1403 PAINTRT4
549135 P2555_1
547103 DOLCYTAP
1419 PEMUKN1
19419 PEMUKN3
1615 HTHFIELD
1618 NEWELL1
1433 3 HILLS7
1436 768S_HV
1448 MICH. C7
542045 HIGH_TAP
1460 WINT HI7
1421 COYTLK1
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
1484 ANDERSO4
542002 GARDENPLAIN1
547102 9LA59TAP
1481 SHEER 14
1486 SHEER 24
547039 ROSLYN_TAP
1438 LANFIN1
99438 LANFIN7
19438 LANFIN5
1471 MONITOR7
1472 MONITOR8
1458 LOYALIS7
19471 MONITOR9
1459 EXCEL7
1474 OYEN 7
1395
549051
P2553 Dolcy Solar Battery MPC
FIGURE A3.2-2 N-1: 701L (NORTH HODEN 395S TO STROME 223S)
2028 SUMMER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

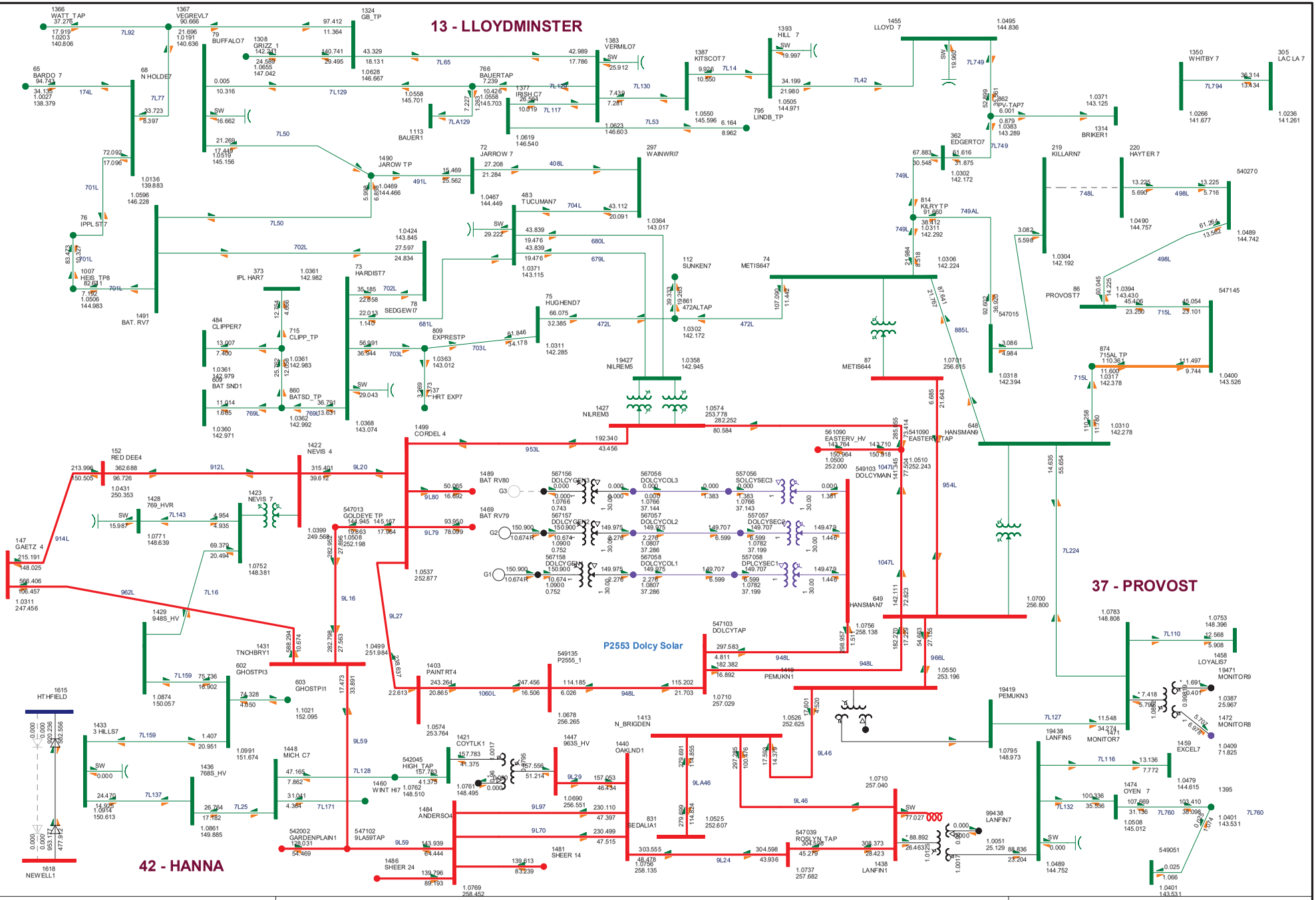


P2553 Dolcy Solar Battery MPC

FIGURE A3.2-3 N-1: 885L (METISKOW 648S TO HANSMAN LAKE 650S)
2028 SUMMER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

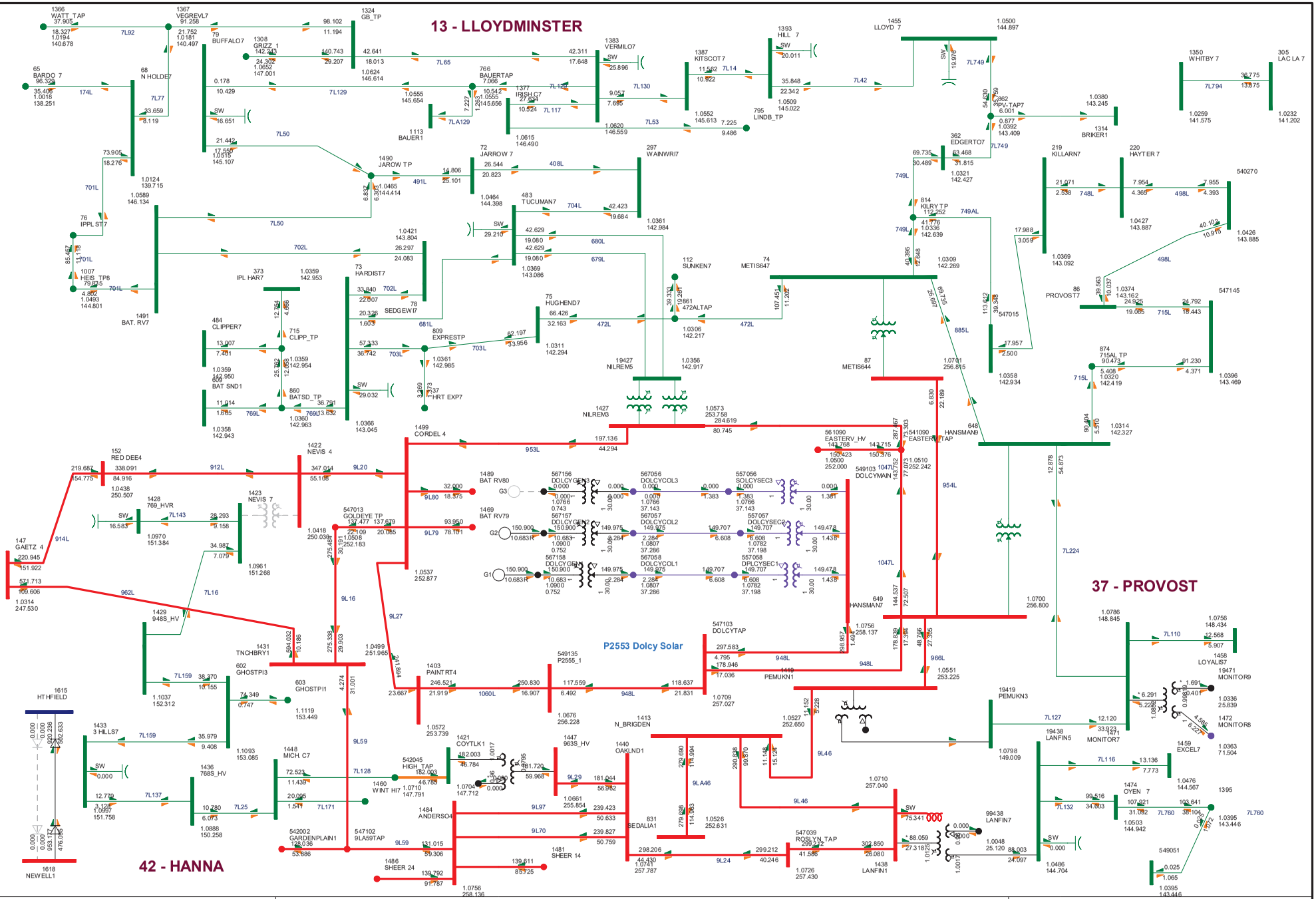


P2553 Dolcy Solar Battery MPC

FIGURE A3.2-4 N-1: 748L (HAYTER 277S TO KILLARNEY LAKE 267S)
2028 SUMMER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

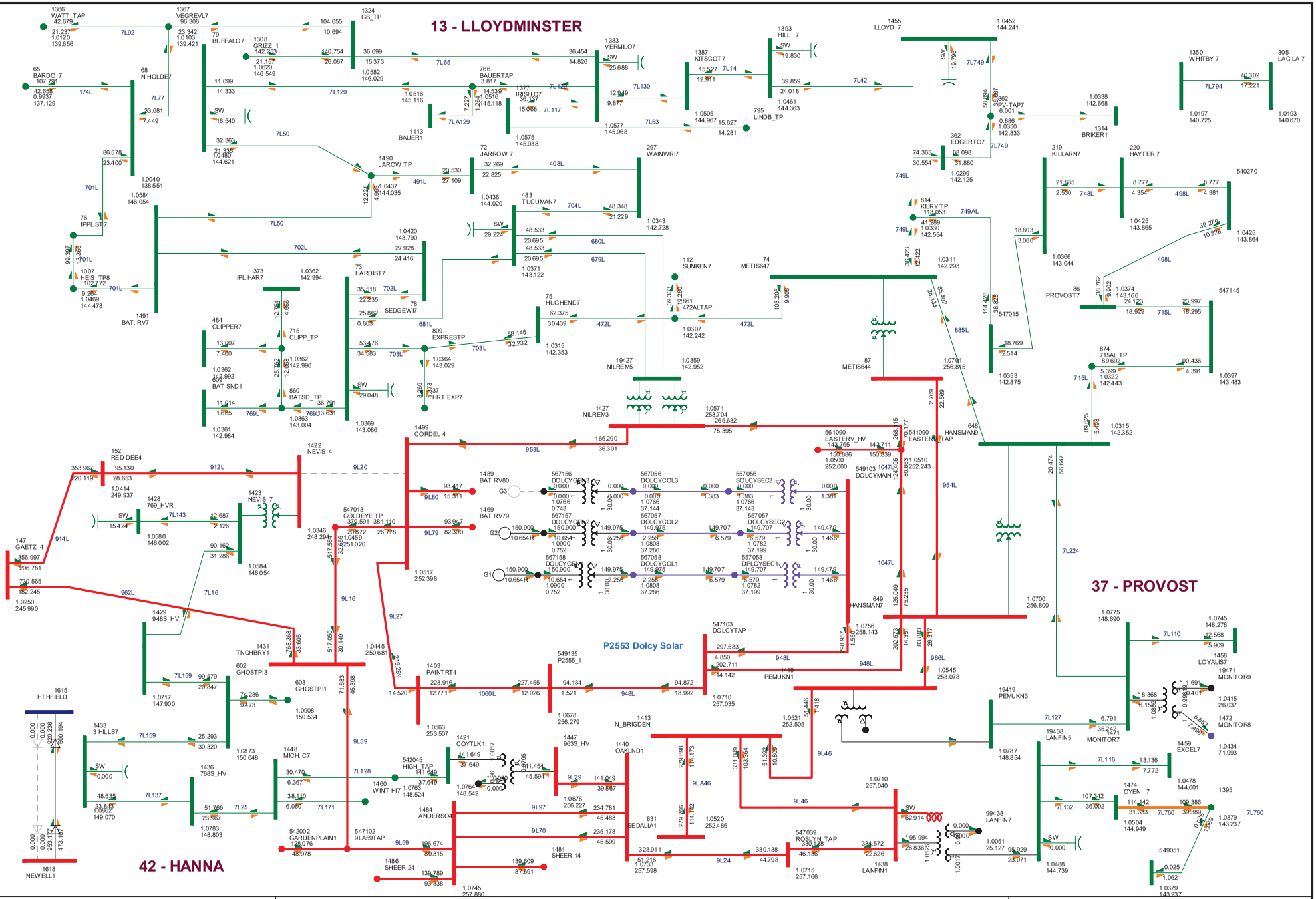


P2553 Dolcy Solar Battery MPC

FIGURE A3.2-5 N-1: 766S T1 (NEVIS 766S 240/138 KV TRANSFORMER)
2028 SUMMER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000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37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
1366 WATT_TAP 42.675
1367 VEGREVL7 96.306
1324 GB_TP
1308 GRIZZ_1 142.253
1383 VERMILO7
1387 KITSCOT7
1393 HILL_7
1455 LLOYD_7
1350 WHITBY 7
305 LAC LA 7
65 BARDO_7 107.791
68 N HOLDE7
766 BAUERTAP 3.817
1377 IRISH_C7
795 LINDB_TP
1113 BAUER1
1314 BRIKER1
362 EDGERTO7
PV-TAP7 6.001
219 KILLARN7
220 HAYTER 7
540270
1490 JAROW TP
72 JARROW 7
297 WAINWRI7
483 TUCUMAN7
814 KILRY TP
76 IPPL ST7
1007 HEIS_TP8
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
484 CLIPPER7
715 CLIPP_TP
809 EXPRESTP
HRT EXP7
75 HUGHEND7
112 SUNKEN7
74 METIS647
86 PROVOST7
547145
547015
874 715AL TP
87 METIS644
19427 NILREM5
1427 NILREM3
1499 CORDEL 4
1422 NEVIS 4
152 RED DEE4
1423 NEVIS 7
1428 769_HVR
147 GAETZ 4
547013 GOLDEYE TP
1489 BAT RV80
1469 BAT RV79
567156 DOLCYGEN3
567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 SOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
561090 EASTERV_HV
541090 EASTERV_TAP
549103 DOLCYMAIN
648 HANSMAN8
649 HANSMAN7
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1403 PAINTRT4
549135 P2555_1
547103 DOLCYTAP
1419 PEMUKN1
19419 PEMUKN3
1615 HTHFIELD
1618 NEWELL1
1433 3 HILLS7
1436 768S_HV
1448 MICH. C7
1460 WINT HI7
542045 HIGH_TAP
1421 COYTLK1
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
1484 ANDERSO4
831 SEDALIA1
542002 GARDENPLAIN1
547102 9LA59TAP
1481 SHEER 14
1486 SHEER 24
547039 ROSLYN_TAP
1438 LANFIN1
99438 LANFIN7
19438 LANFIN5
1471 MONITOR7
1472 MONITOR8
1458 LOYALIS7
19471 MONITOR9
1459 EXCEL7
1474 OYEN 7
549051
9L20
7L50
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7L130
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715L
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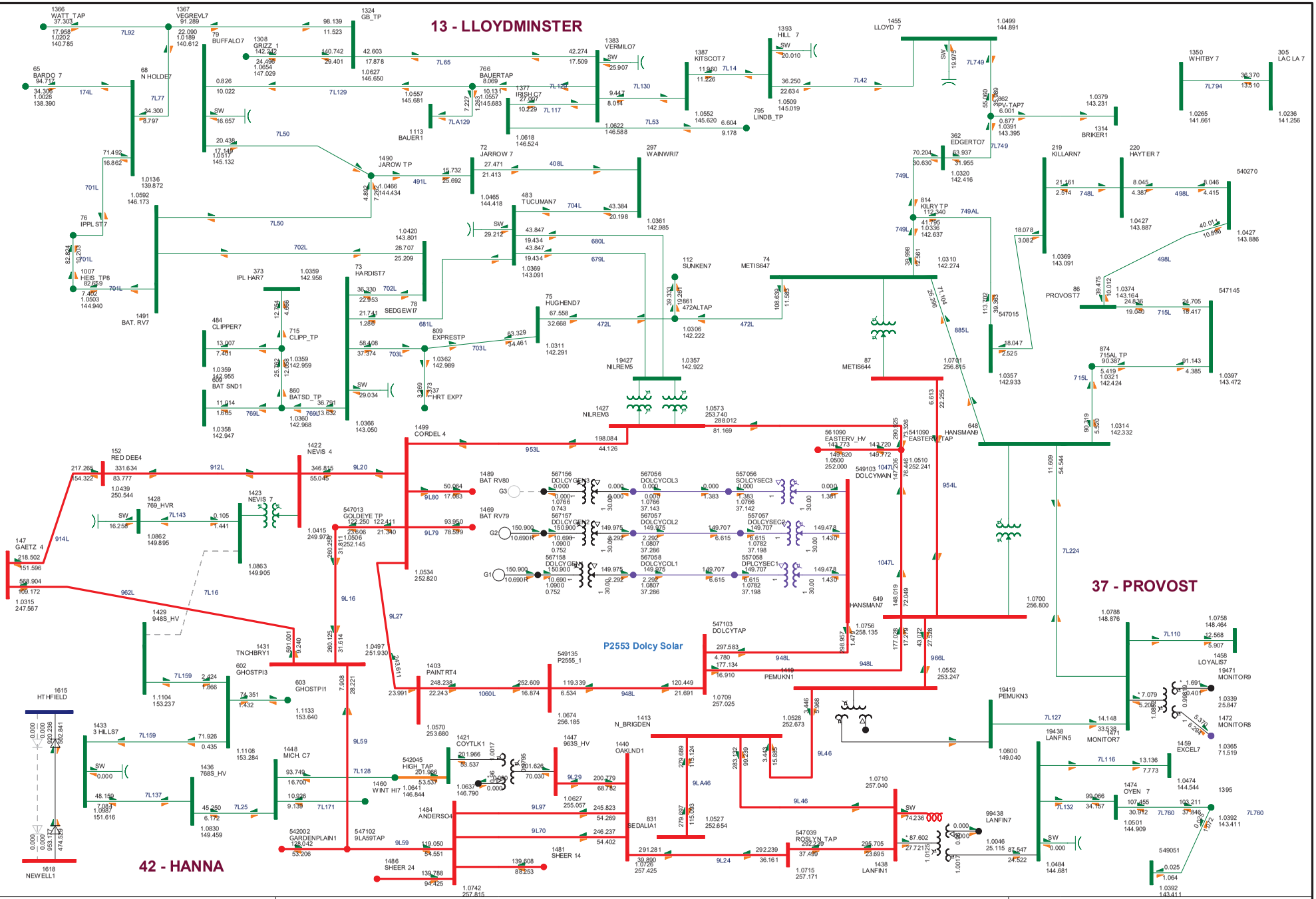
7L116
7L132
7L760
7L159
7L128
7L137
7L171
7L25
9L59
9L97
9L70
9L24
9L46
9L29
9L27
9L16
9L80
9L79
914L
912L
962L
953L
1047L
948L
966L
1060L
954L
P2553 Dolcy Solar Battery MPC
FIGURE A3.2-6 N-1: 9L20 (NEVIS 766S TO CORDEL 755S)
2028 SUMMER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

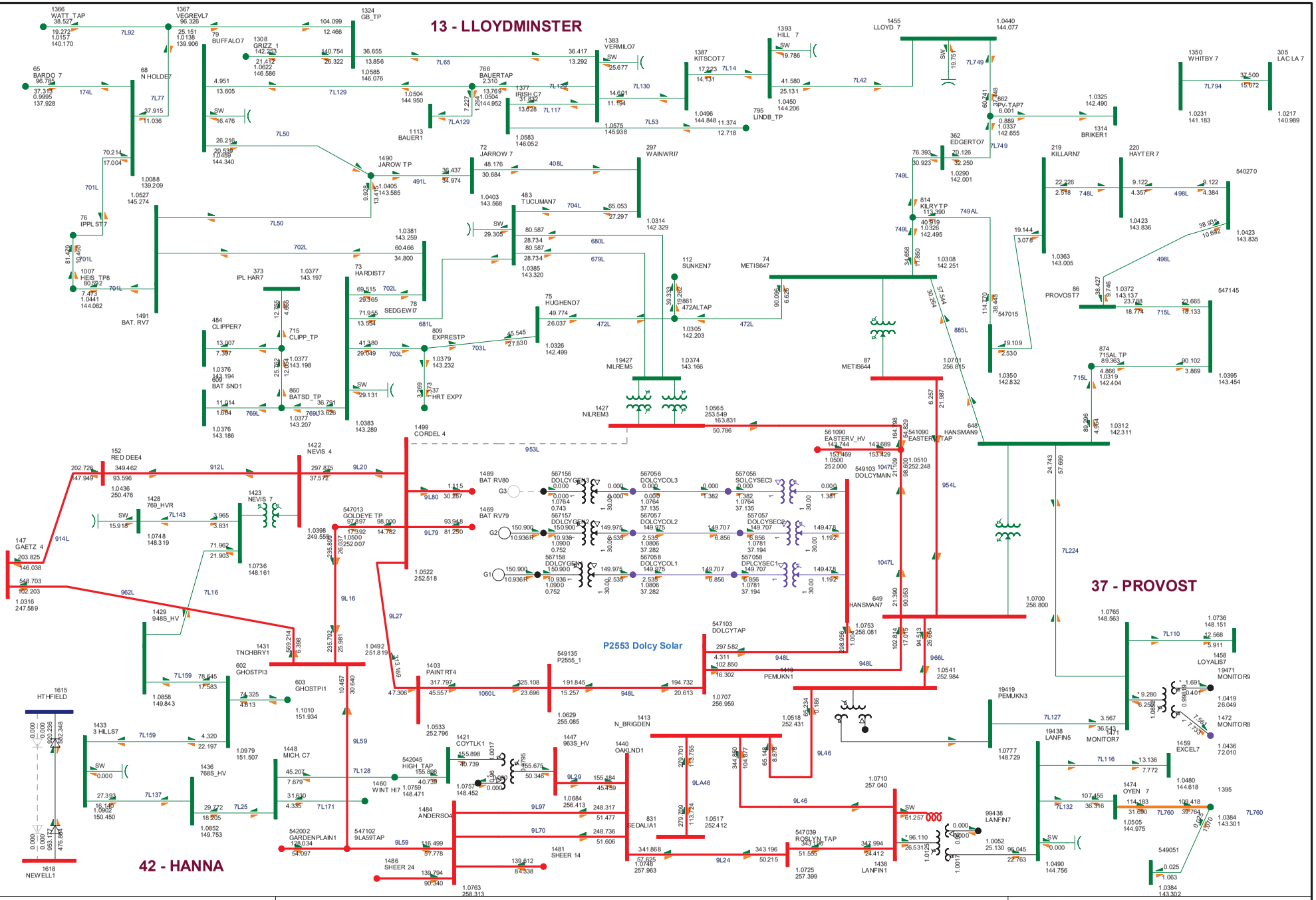


P2553 Dolcy Solar Battery MPC

FIGURE A3.2-7 N-1: 7L16 (NEVIS 766S TO HEATBURG 948S)
2028 SUMMER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000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37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
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1324 GB_TP
65 BARDO 7
68 N HOLDE7
79 BUFFALO7
1308 GRIZZ 1
766 BAUERTAP
1377 IRISH C7
1383 VERMILO7
1387 KITSCOT7
1393 HILL 7
1455 LLOYD 7
795 LINDB_TP
1113 BAUER1
1490 JAROW TP
72 JARROW 7
297 WAINWRI7
483 TUCUMAN7
112 SUNKEN7
74 METIS647
87 METIS644
19427 NILREM5
1427 NILREM3
76 IPPL ST7
1007 HEIS_TP8
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
484 CLIPPER7
715 CLIPP_TP
609 BAT SND1
860 BATSD_TP
809 EXPRESTP
HRT EXP7
75 HUGHEND7
472ALTAP
1499 CORDEL 4
953L
1422 NEVIS 4
152 RED DEE4
1423 NEVIS 7
1428 769_HVR
147 GAETZ 4
914L
962L
7L16
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1615 HTHFIELD
1618 NEWELL1
1433 3 HILLS7
1436 768S_HV
1448 MICH. C7
1460 WINT HI7
1484 ANDERSO4
1486 SHEER 24
1481 SHEER 14
1403 PAINTRT4
1060L
1421 COYTLK1
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542002 GARDENPLAIN1
547102 9LA59TAP
547013 GOLDEYE TP
1469 BAT RV79
1489 BAT RV80
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567157 DOLCYGEN2
567158 DOLCYGEN1
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567057 DOLCYCOL2
567058 DOLCYCOL1
557056 SOLCYSEC3
557057 SOLCYSEC2
557058 DPLCYSEC1
547103 DOLCYTAP
549135 P2555_1
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1413 N_BRIGDEN
1447 963S_HV
831 SEDALIA1
1438 LANFIN1
547039 ROSLYN_TAP
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541090 EASTERV_TAP
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19438 LANFIN5
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1459 EXCEL7
1474 OYEN 7
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1350 WHITBY 7
305 LAC LA 7
362 EDGERTO7
PV-TAP7
1314 BRIKER1
219 KILLARN7
220 HAYTER 7
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814 KILRY TP
86 PROVOST7
874 715AL TP
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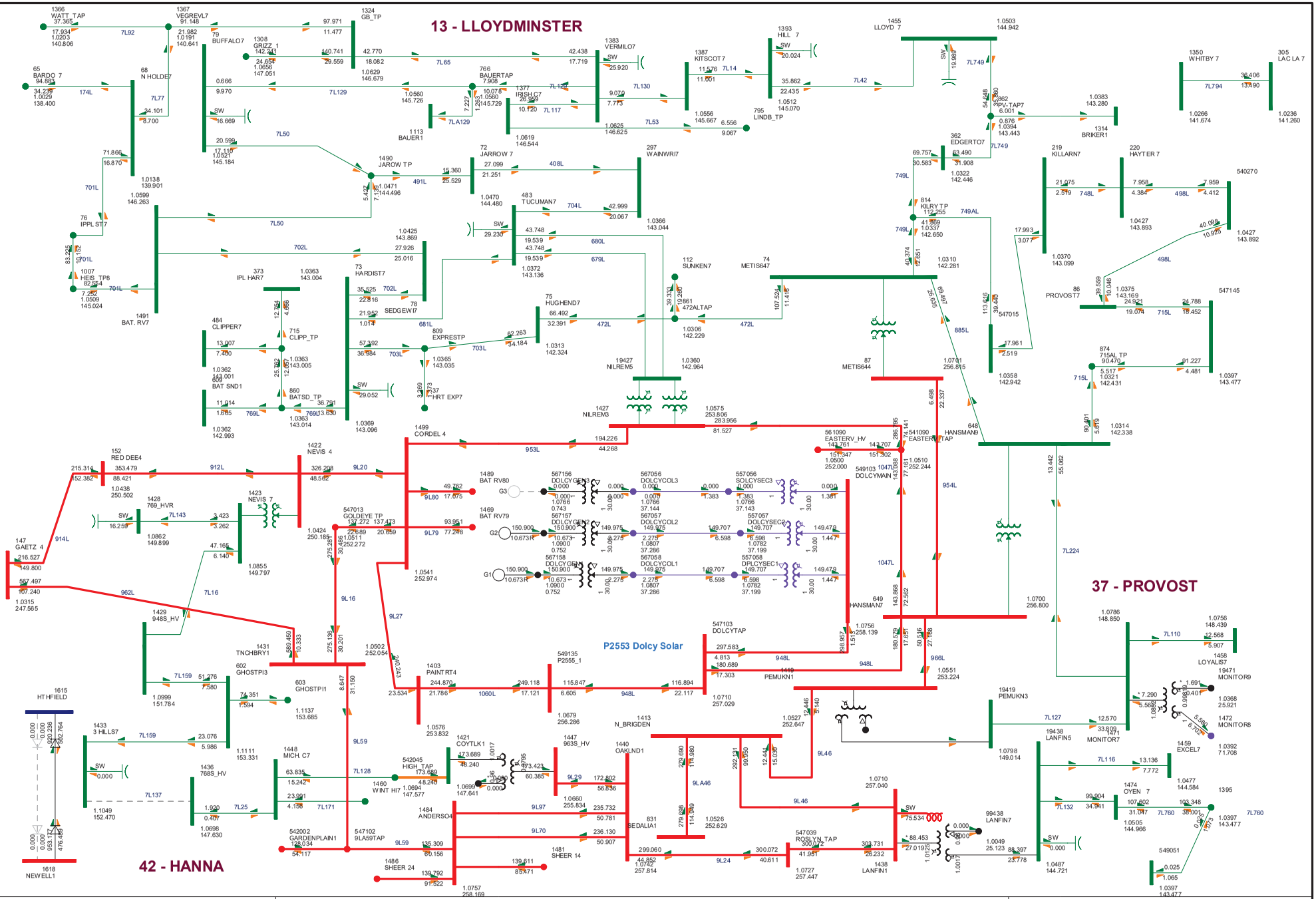
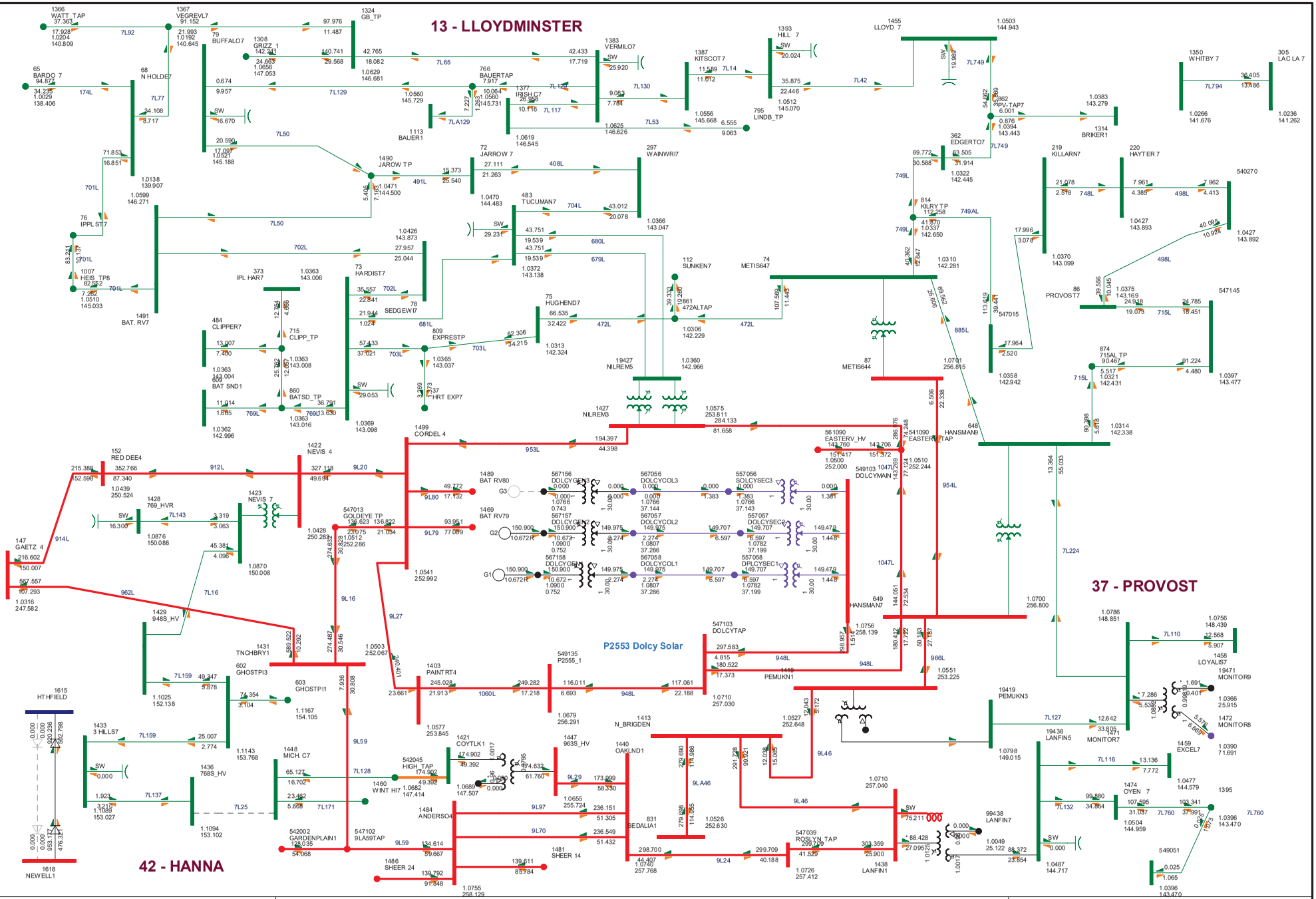


P2553 Dolcy Solar Battery MPC

FIGURE A3.2-9 N-1: 7L137 (THREE HILLS 770S TO ROWLEY 768S)
2028 SUMMER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

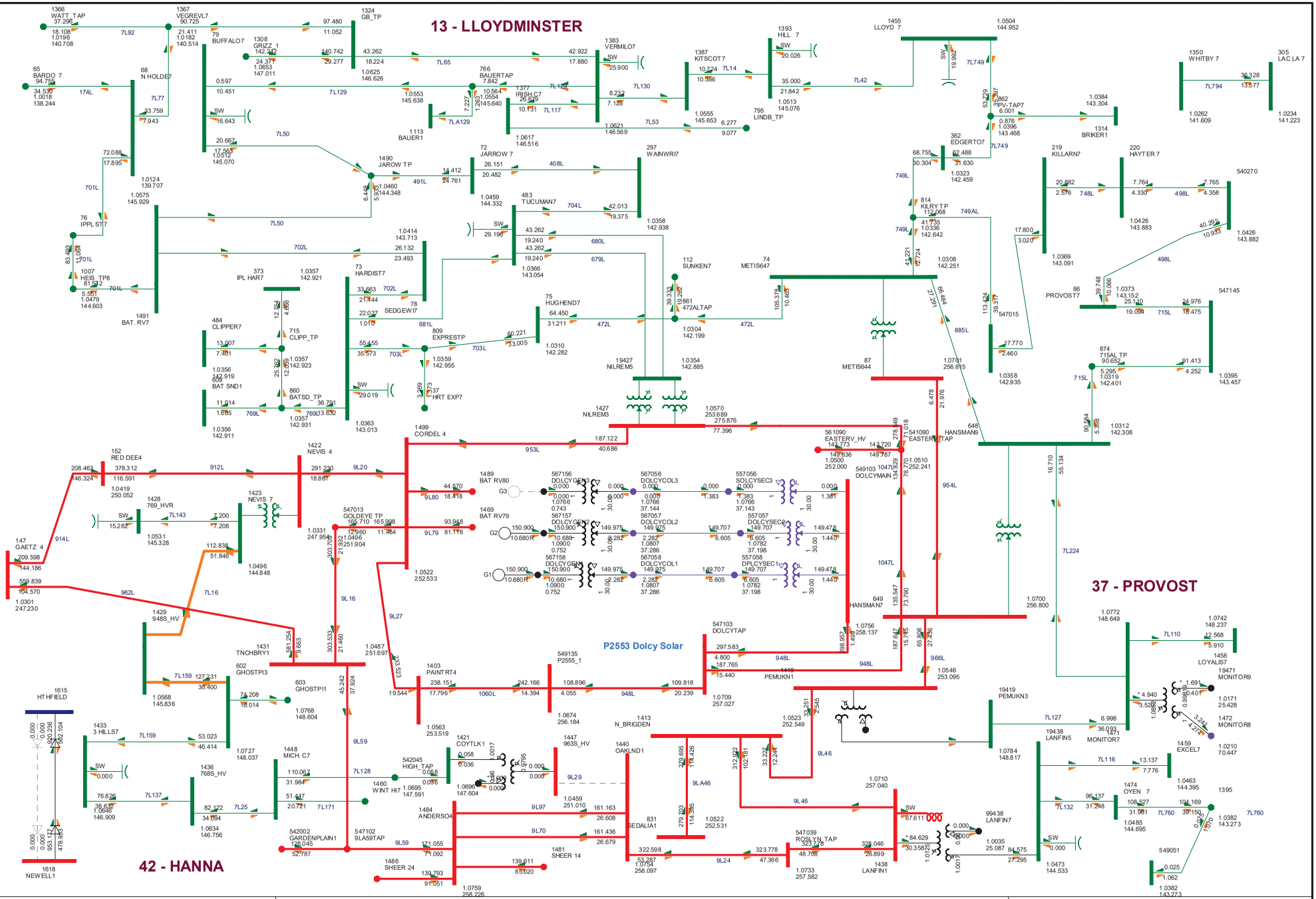


P2553 Dolcy Solar Battery MPC

FIGURE A3.2-10 N-1: 7L25 (ROWLEY 768S TO MICHICHI CREEK 802S)
2028 SUMMER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

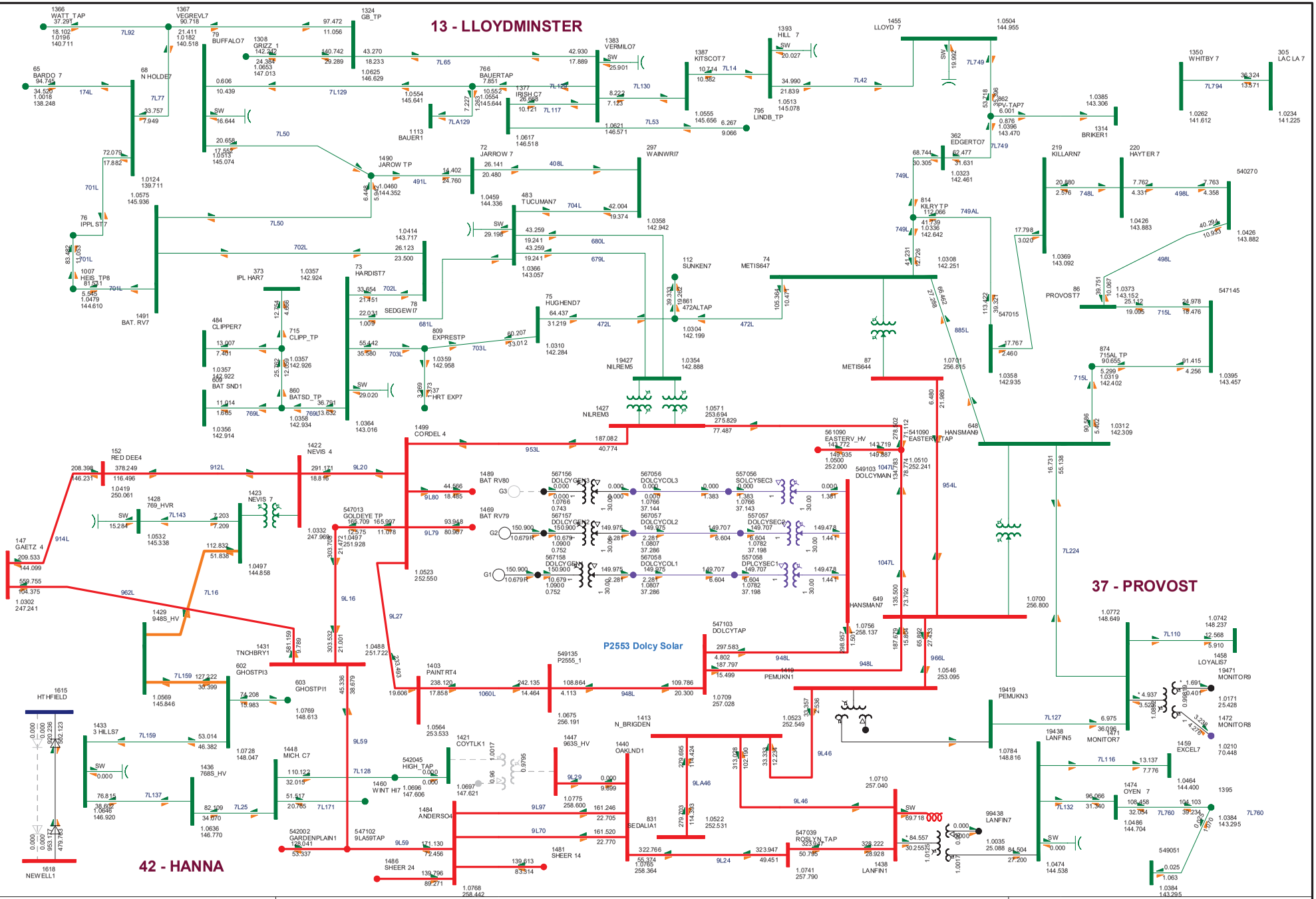


P2553 Dolcy Solar Battery MPC

FIGURE A3.2-11 N-1: 9L29 (OAKLAND 946S TO COYOTE LAKE 963S)
2028 SUMMER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

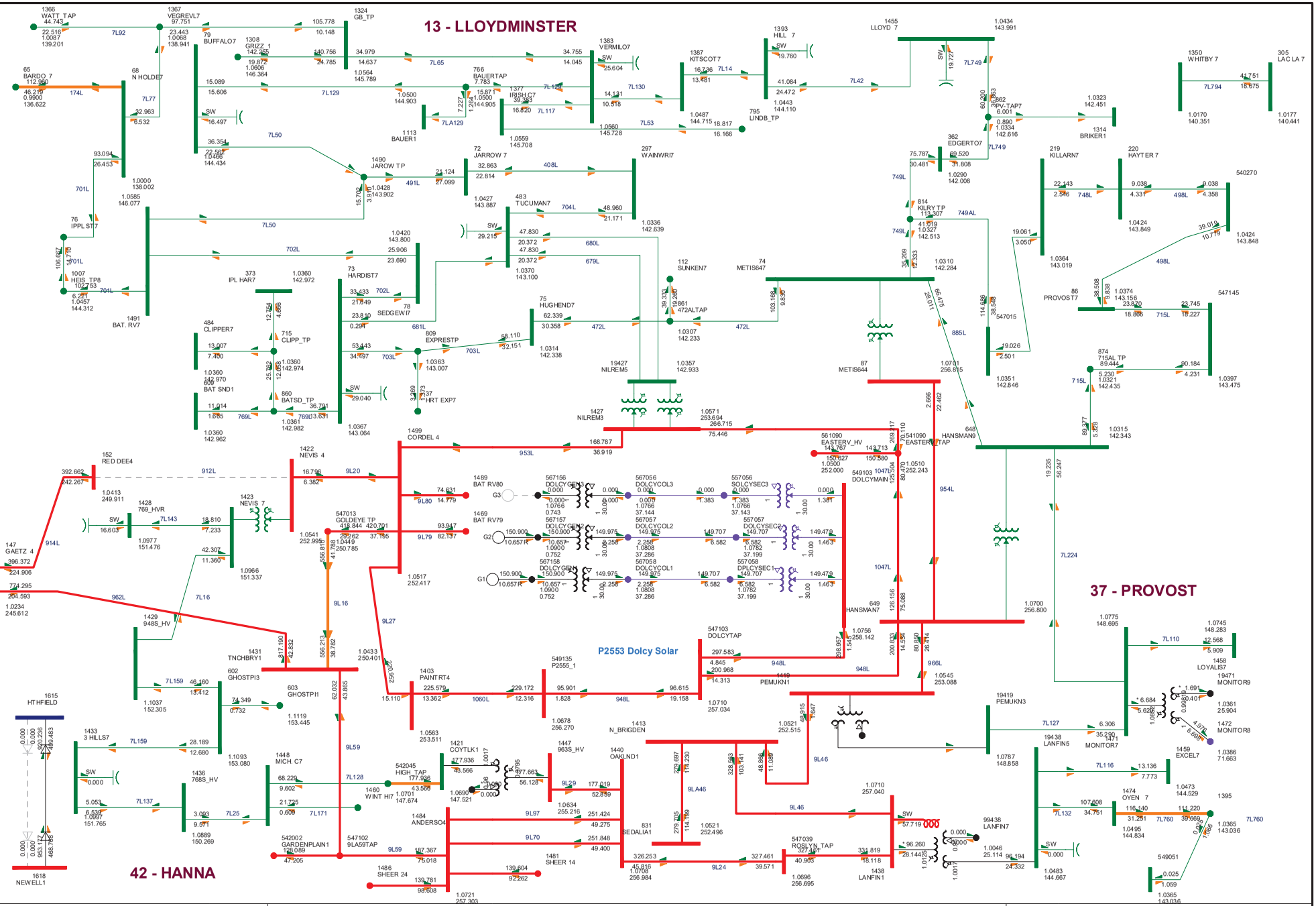


P2553 Dolcy Solar Battery MPC

FIGURE A3.2-12 N-1: 963S T1 (COYOTE LAKE 963S TRANSFORMER T1)
2028 SUMMER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

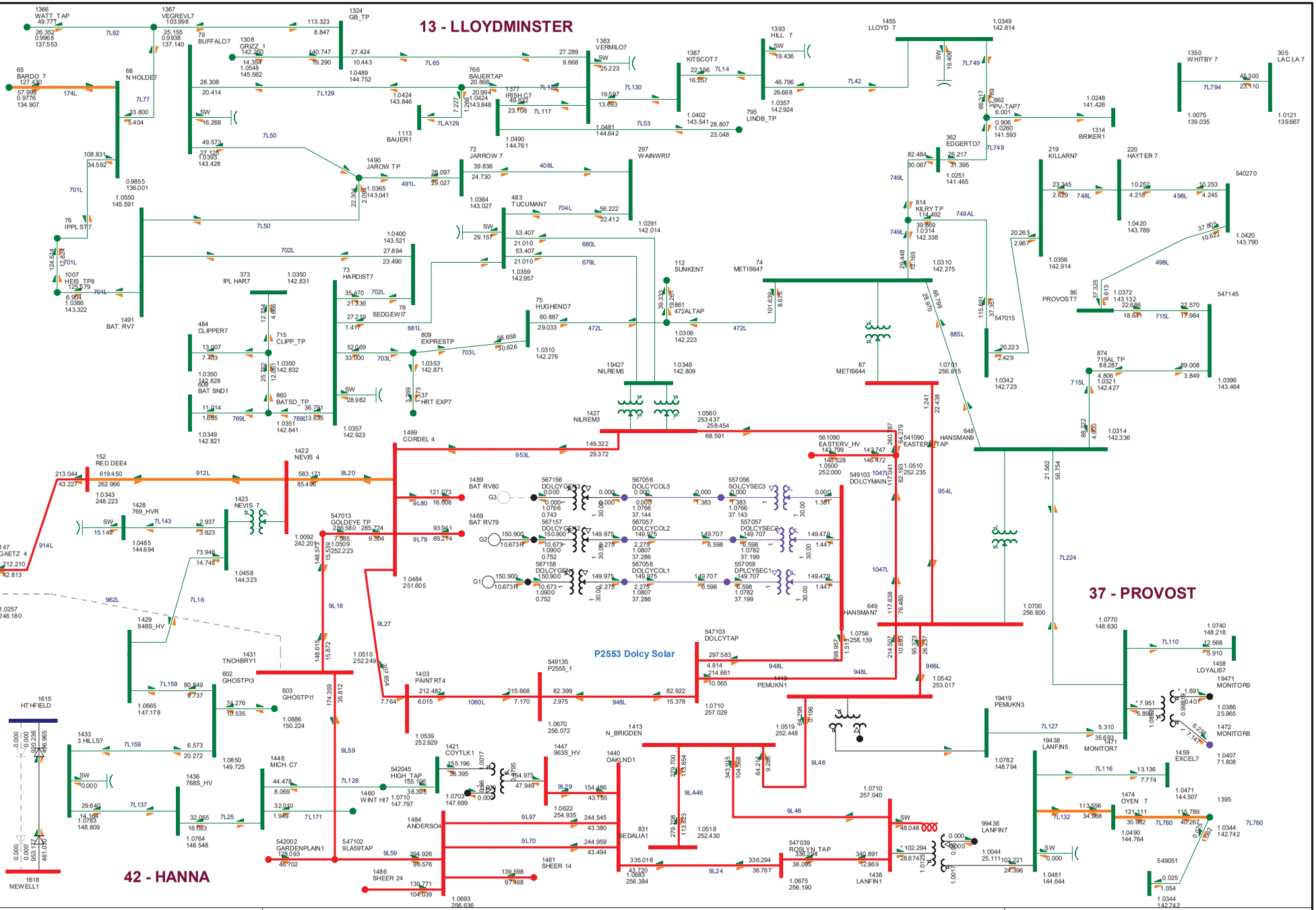


P2553 Dolcy Solar Battery MPC

FIGURE A3.2-13 N-1: 912L (NEVIS 766S TO RED DEER 63S)
2028 SUMMER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

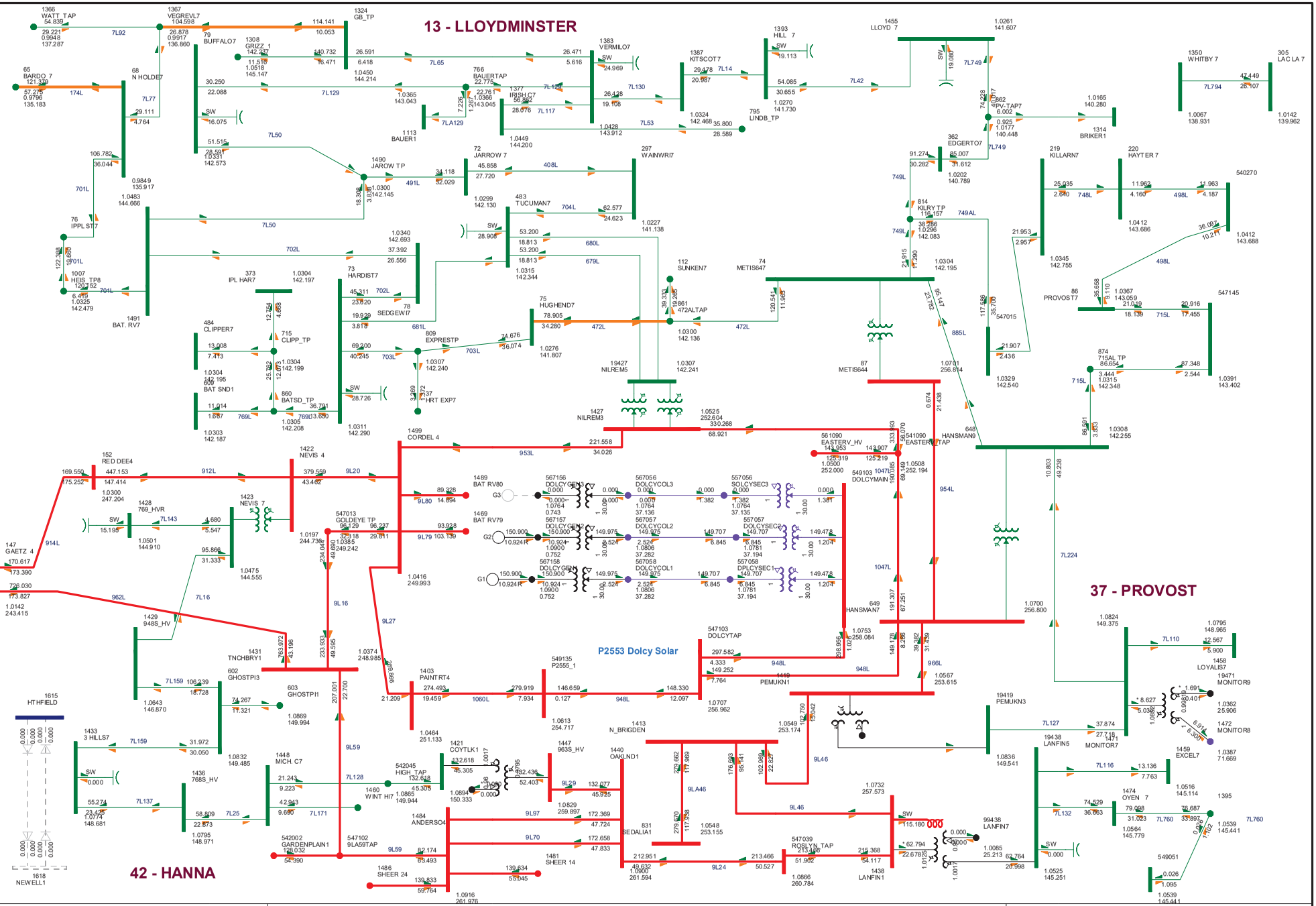


P2553 Dolcy Solar Battery MPC

FIGURE A3.2-14 N-1: 962L/9L62 (TINCHEBRAY 972S TO GAETZ 87S)
2028 SUMMER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
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65 BARDO_7 121.379
68 N HOLDE7
1308 GRIZZ_1 142.237
79 BUFFALO7
766 BAUERTAP 22.775
1383 VERMILO7
1387 KITSCOT7
1393 HILL_7
1455 LLOYD 7
1350 WHITBY 7
305 LAC LA 7
1113 BAUER1
1377 IRISH_C7
795 LINDB_TP
362 EDGERTO7
1314 BRIKER1
1490 JAROW TP
72 JARROW 7
297 WAINWRI7
483 TUCUMAN7
76 IPPL ST7
1007 HEIS_TP8
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
484 CLIPPER7
715 CLIPP_TP
809 EXPRESTP
HRT EXP7
75 HUGHEND7
112 SUNKEN7
472ALTAP
74 METIS647
87 METIS644
814 KILRY TP
219 KILLARN7
220 HAYTER 7
540270
86 PROVOST7
547015
547145
874 715AL TP
1499 CORDEL 4
1427 NILREM3
19427 NILREM5
561090 EASTERV_HV
541090 EASTERV_TAP
648 HANSMAN8
549103 DOLCYMAIN
152 RED DEE4
1422 NEVIS 4
1423 NEVIS 7
1428 769_HVR
147 GAETZ 4
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1403 PAINTRT4
549135 P2555_1
547103 DOLCYTAP
649 HANSMAN7
1419 PEMUKN1
19419 PEMUKN3
1615 HTHFIELD
1433 3 HILLS7
1436 768S_HV
1448 MICH. C7
1460 WINT HI7
542045 HIGH_TAP
1421 COYTLK1
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
831 SEDALIA1
1484 ANDERSO4
542002 GARDENPLAIN1
547102 9LA59TAP
1481 SHEER 14
1486 SHEER 24
1618 NEWELL1
547039 ROSLYN_TAP
99438 LANFIN7
1438 LANFIN1
19438 LANFIN5
1471 MONITOR7
19471 MONITOR9
1472 MONITOR8
1458 LOYALIS7
1459 EXCEL7
1474 OYEN 7
1395
549051
547013 GOLDEYE TP
1489 BAT RV80
1469 BAT RV79
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567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 DOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
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7L42
7L749
7L794
7L14
7L117
7L129A
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701L
702L
703L
704L
679L
680L
681L
408L
491L
749L
749AL
748L
498L
715L
885L
472L
953L
912L
914L
962L
9L80
9L79
9L20
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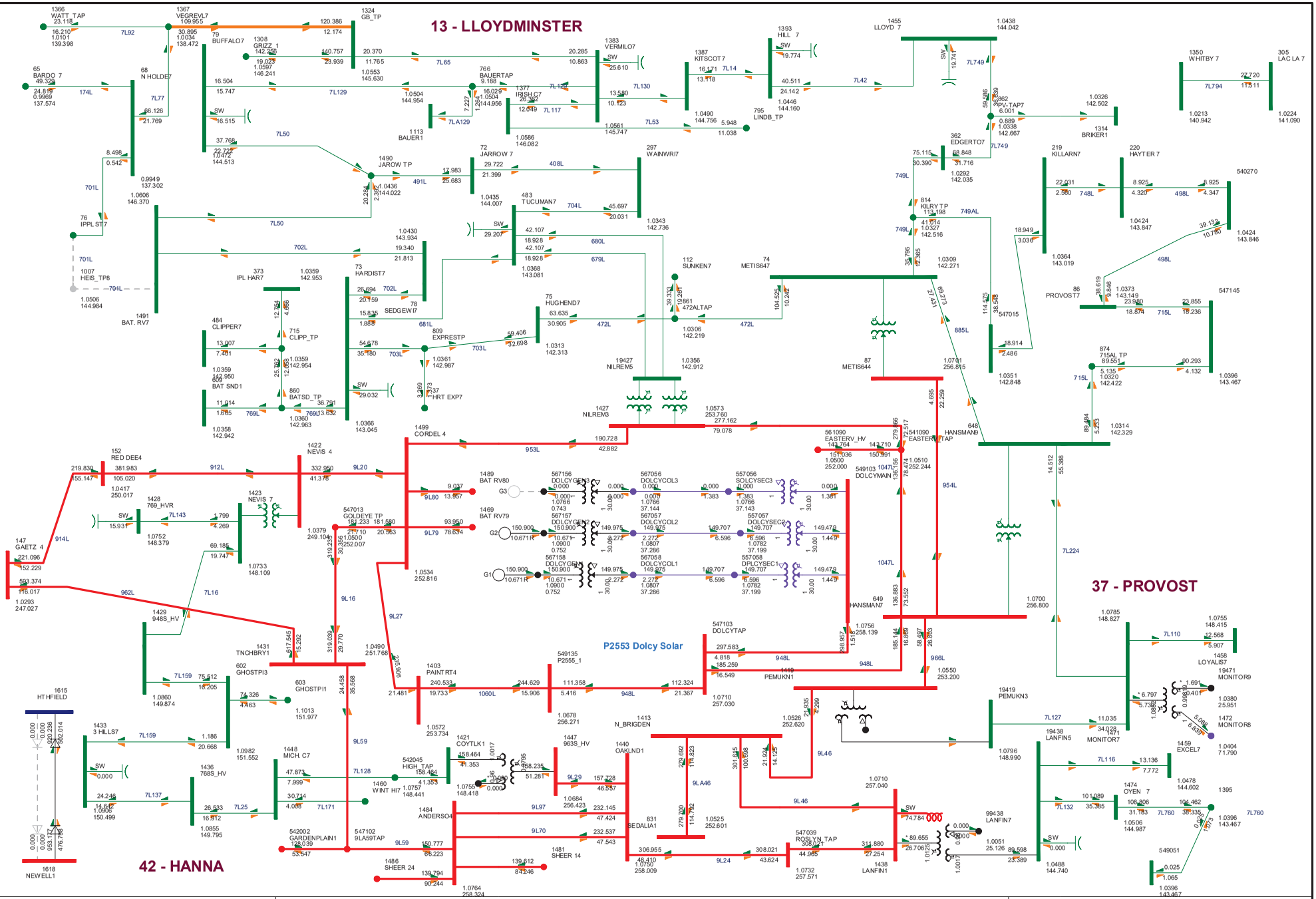
9LA46
9L24
7L16
7L143
7L159
7L137
7L25
7L171
7L128
7L224
7L110
7L116
7L127
7L132
7L760
1047L
948L
966L
1060L
954L
P2553 Dolcy Solar Battery MPC
FIGURE A3.2-15 N-1: EATL
2028 SUMMER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025
Page 177 of 615
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

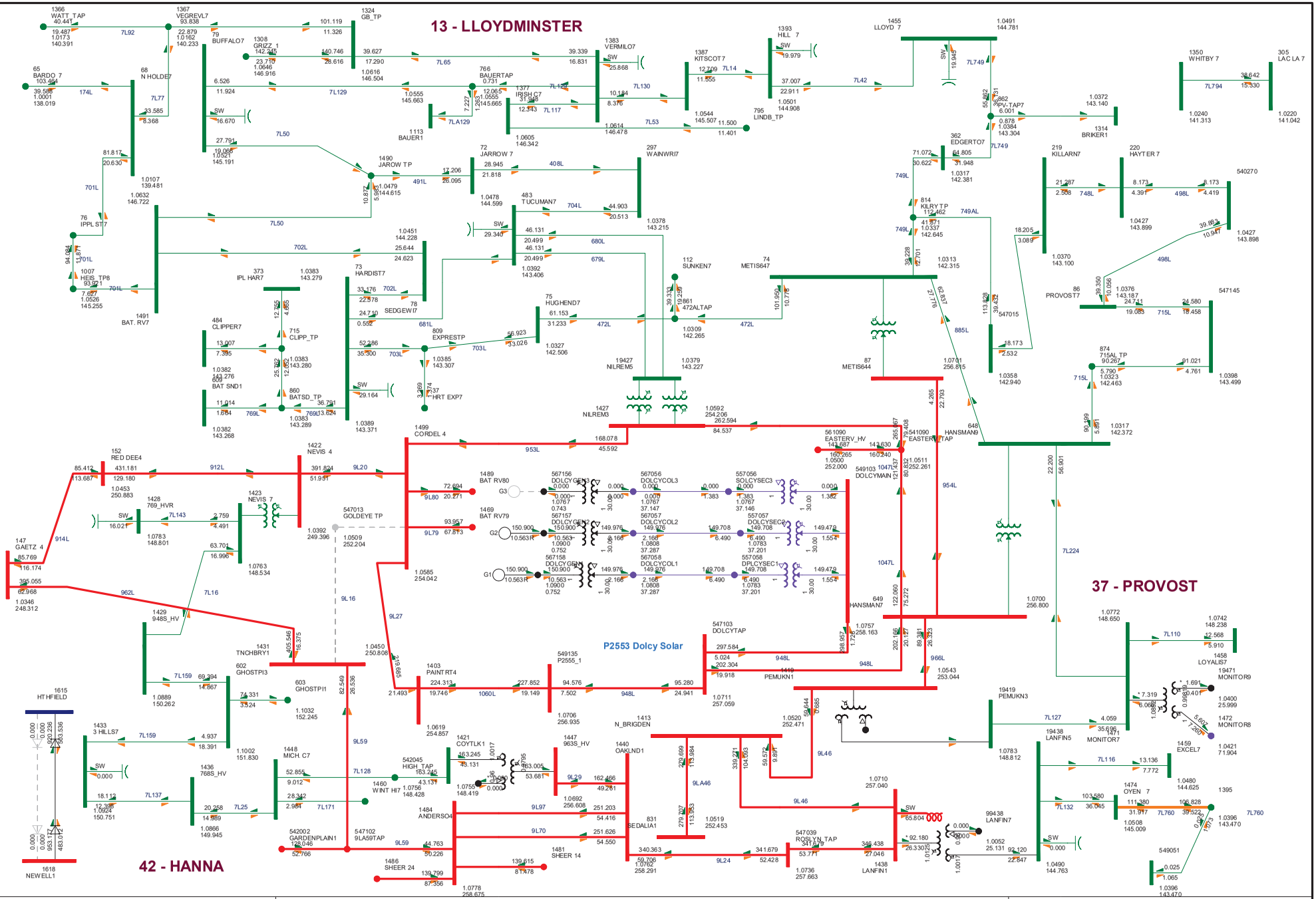


P2553 Dolcy Solar Battery MPC

FIGURE A3.2-16 N-1: 701L (STROME 223S TO BATTLE RIVER 757S)
2028 SUMMER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

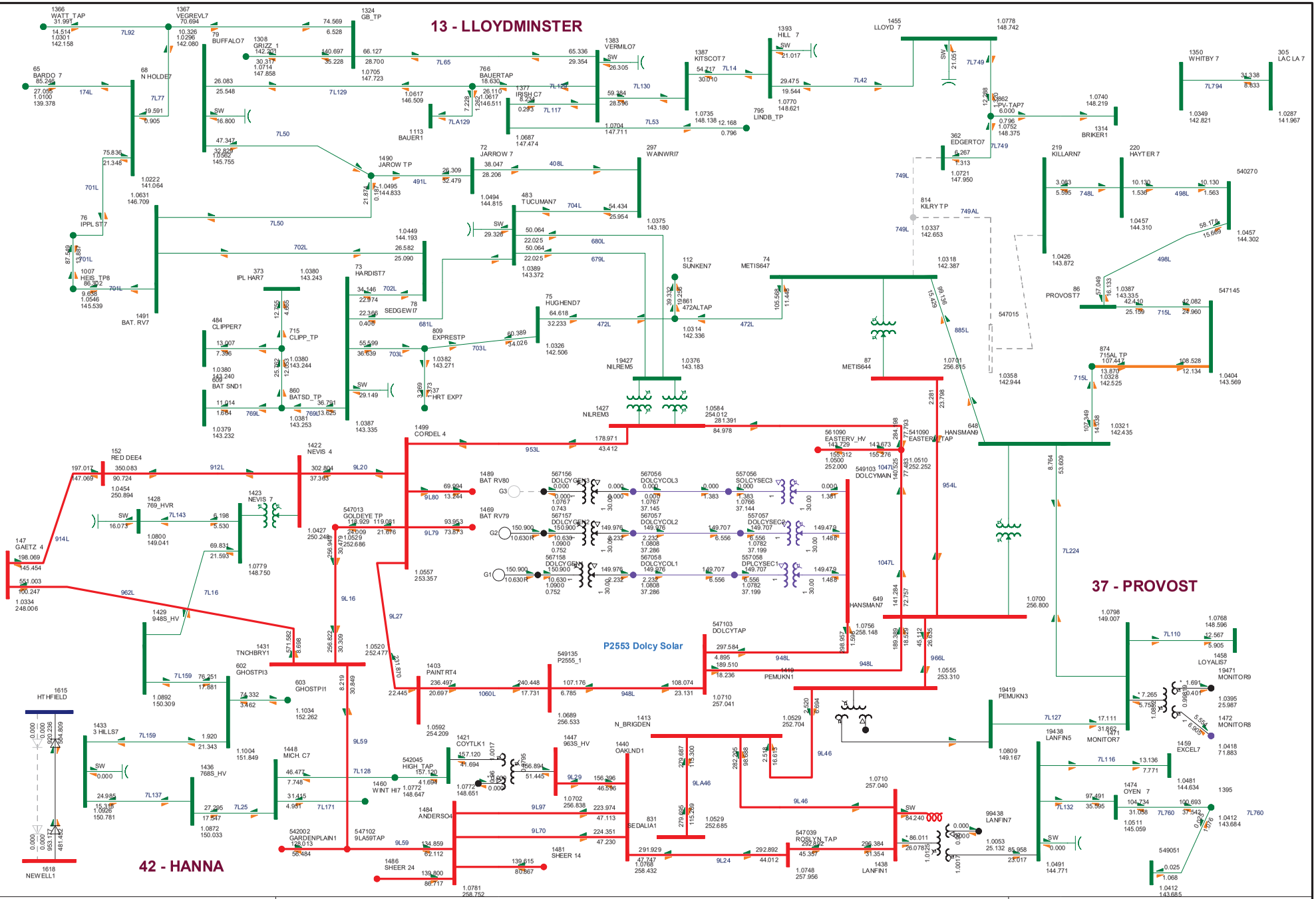


P2553 Dolcy Solar Battery MPC

FIGURE A3.2-17 N-1: 9L16 (TINCHERBRAY 972S TO CORDEL 755S)
2028 SUMMER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000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37 - PROVOST
42 - HANNA
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68 N HOLDE7
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1393 HILL 7
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1350 WHITBY 7
305 LAC LA 7
1490 JAROW TP
72 JARROW 7
297 WAINWRI7
766 BAUERTAP 18.630
1377 IRISH_C7
795 LINDB_TP
1362 PV-TAP7 6.000
362 EDGERTO7
219 KILLARN7
220 HAYTER 7
540270
814 KILRY TP
76 IPPL ST7
1007 HEIS_TP8 86.302
1491 BAT. RV7
483 TUCUMAN7
112 SUNKEN7
74 METIS647
87 METIS644
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
75 HUGHEND7
809 EXPRESTP
HRT EXP7
484 CLIPPER7
715 CLIPP_TP
BAT SND1
860 BATSD_TP 36.791
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1427 NILREM3
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547145
874 715AL TP 107.447
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649 HANSMAN7
152 RED DEE4 350.083
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1423 NEVIS 7
1428 769_HVR
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567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
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1615 HTHFIELD
1618 NEWELL1
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1486 SHEER 24
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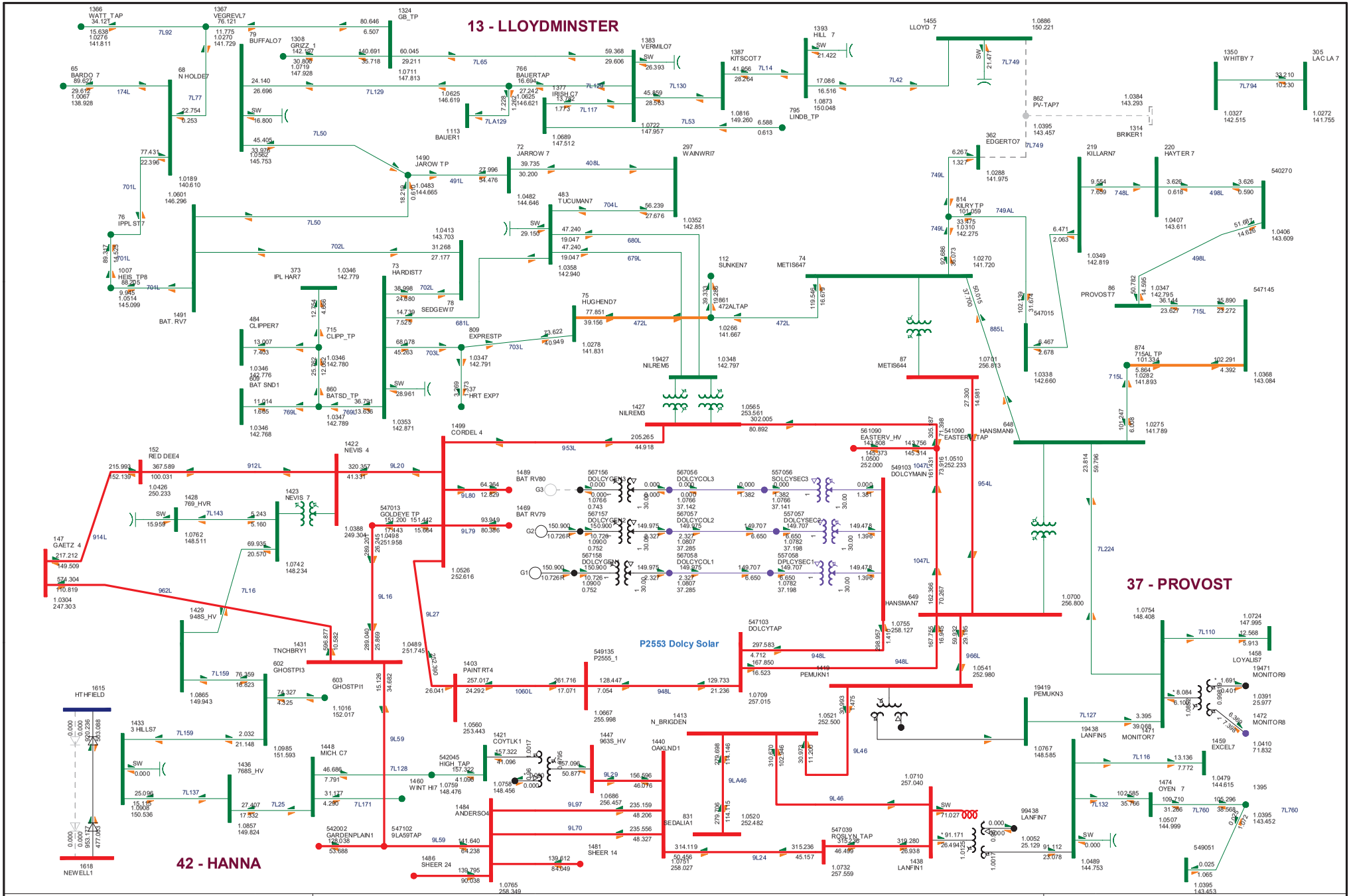
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42 - HANNA
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68 N HOLDE7
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766 BAUERTAP 16.694
1383 VERMILO7
1387 KITSCOT7 41.856
1393 HILL_7 21.422
1455 LLOYD_7
1350 WHITBY 7
305 LAC LA 7
862 PV-TAP7
362 EDGERTO7
1314 BRIKER1
219 KILLARN7
220 HAYTER 7
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814 KILRY TP 101.059
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874 715AL TP 101.334
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297 WAINWRI7
483 TUCUMAN7
112 SUNKEN7
74 METIS647
87 METIS644
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
484 CLIPPER7
715 CLIPP_TP
809 EXPRESTP
75 HUGHEND7
472ALTAP
1427 NILREM3
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1422 NEVIS 4
152 RED DEE4
1423 NEVIS 7
1428 769_HVR
147 GAETZ 4
574 304
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1403 PAINTRT4
1489 BAT RV80
1469 BAT RV79
547013 GOLDEYE TP
567156 DOLCYGEN3
567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 SOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
547103 DOLCYTAP
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1449 PEMUKN1
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648 HANSMAN8
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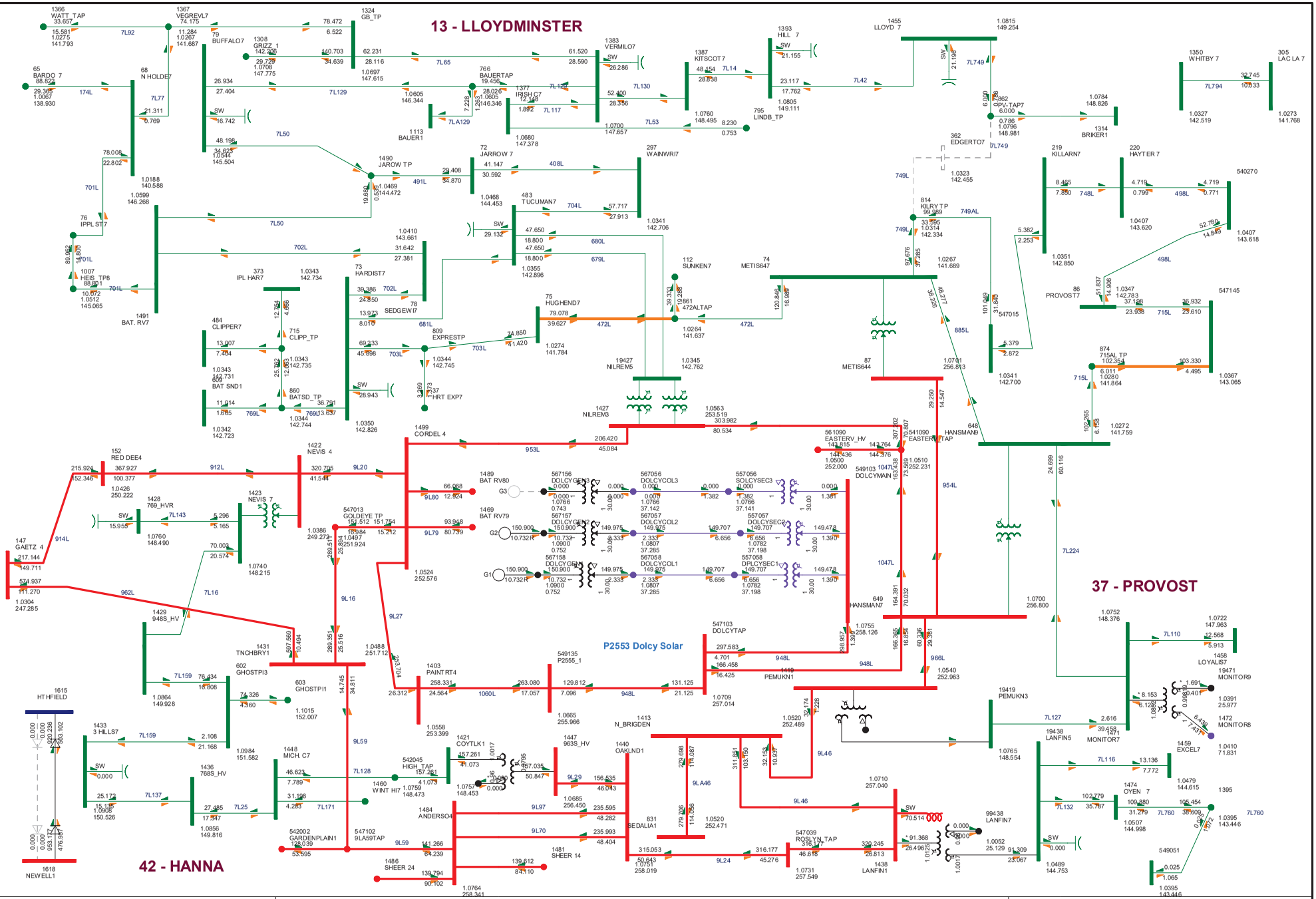
541090 EASTERV_TAP
549103 DOLCYMAIN
1615 HTHFIELD
1618 NEWELL1
1433 3 HILLS7
1436 768S_HV
1448 MICH. C7
1460 WINT HI7
542045 HIGH_TAP
1421 COYTLK1
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
1484 ANDERSO4
831 SEDALIA1
542002 GARDENPLAIN1
547102 9LA59TAP
1481 SHEER 14
1486 SHEER 24
547039 ROSLYN_TAP
1438 LANFIN1
99438 LANFIN7
19438 LANFIN5
19419 PEMUKN3
1459 EXCEL7
1474 OYEN 7
1471 MONITOR7
1472 MONITOR8
19471 MONITOR9
1458 LOYALIS7
549051
P2553 Dolcy Solar Battery MPC
FIGURE A3.2-19 N-1: 749L/7L749 (EDGERTON 899S TO LLOYDMINSTER 716S)
2028 SUMMER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
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1367 VEGREVL7 74.175
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1308 GRIZZ_1 142.426
1383 VERMILO7
1387 KITSCOT7
1393 HILL_7
1455 LLOYD 7
1350 WHITBY 7
305 LAC LA 7
65 BARDO_7 88.822
68 N HOLDE7
766 BAUERTAP 19.456
1377 IRISH C7 12.148
795 LINDB_TP
1113 BAUER1
1314 BRIKER1
362 EDGERT07
1490 JAROW TP
72 JARROW 7 41.147
297 WAINWRI7
483 TUCUMAN7
112 SUNKEN7
74 METIS647
814 KILRY TP 99.989
219 KILLARN7
220 HAYTER 7
540270
76 IPPL ST7
1007 HEIS_TP8 68.801
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
75 HUGHEND7
472ALTAP
484 CLIPPER7
715 CLIPP_TP
809 EXPRESTP
HRT EXP7
609 BAT SND1
860 BATSD_TP 36.791
547015
86 PROVOST7
874 715AL TP 102.354
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87 METIS644
19427 NILREM5
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649 HANSMAN7
1499 CORDEL 4
1422 NEVIS 4
152 RED DEE4
1423 NEVIS 7
1428 769_HVR
547013 GOLDEYE TP
1489 BAT RV80
1469 BAT RV79
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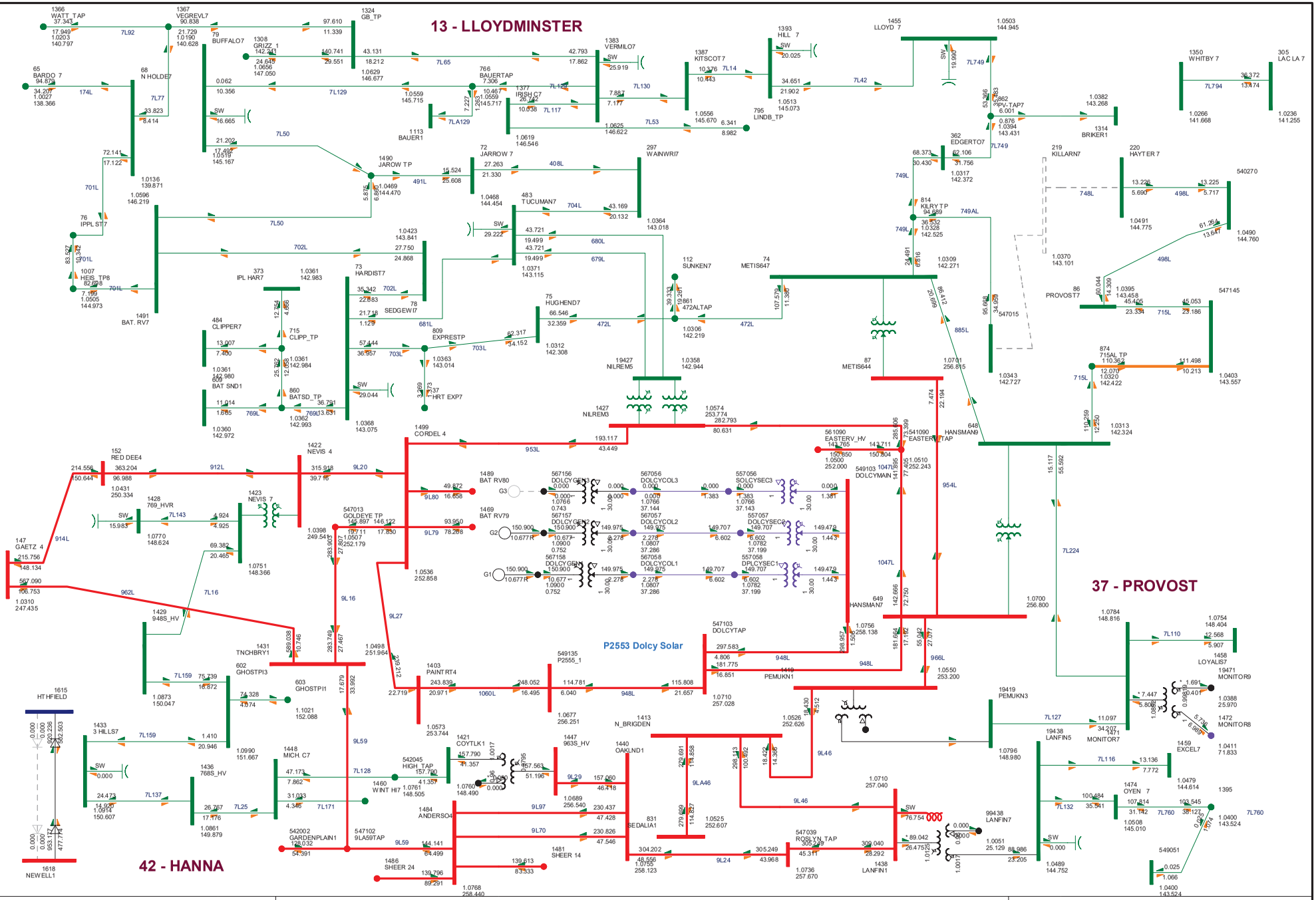
567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 SOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
147 GAETZ 4
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1403 PAINTRT4
549135 P2555_1
547103 DOLCYTAP
1419 PEMUKN1
1615 HTHFIELD
1618 NEWELL1
1433 3 HILLS7
1436 768S_HV
1448 MICH. C7
542045 HIGH_TAP
1460 WINT HI7
1421 COYTLK1
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
831 SEDALIA1
1484 ANDERSO4
542002 GARDENPLAIN1
547102 9LA59TAP
1481 SHEER 14
1486 SHEER 24
547039 ROSLYN_TAP
1438 LANFIN1
99438 LANFIN7
19438 LANFIN5
19419 PEMUKN3
1471 MONITOR7
1472 MONITOR8
19471 MONITOR9
1458 LOYALIS7
1459 EXCEL7
1474 OYEN 7
549051
914L
962L
912L
953L
954L
1047L
885L
472L
680L
679L
681L
703L
704L
702L
701L
748L
749L
498L
715L
7L224
P2553 Dolcy Solar Battery MPC
FIGURE A3.2-20 N-1: EDGERTON 899S TRANSFORMER T1
2028 SUMMER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

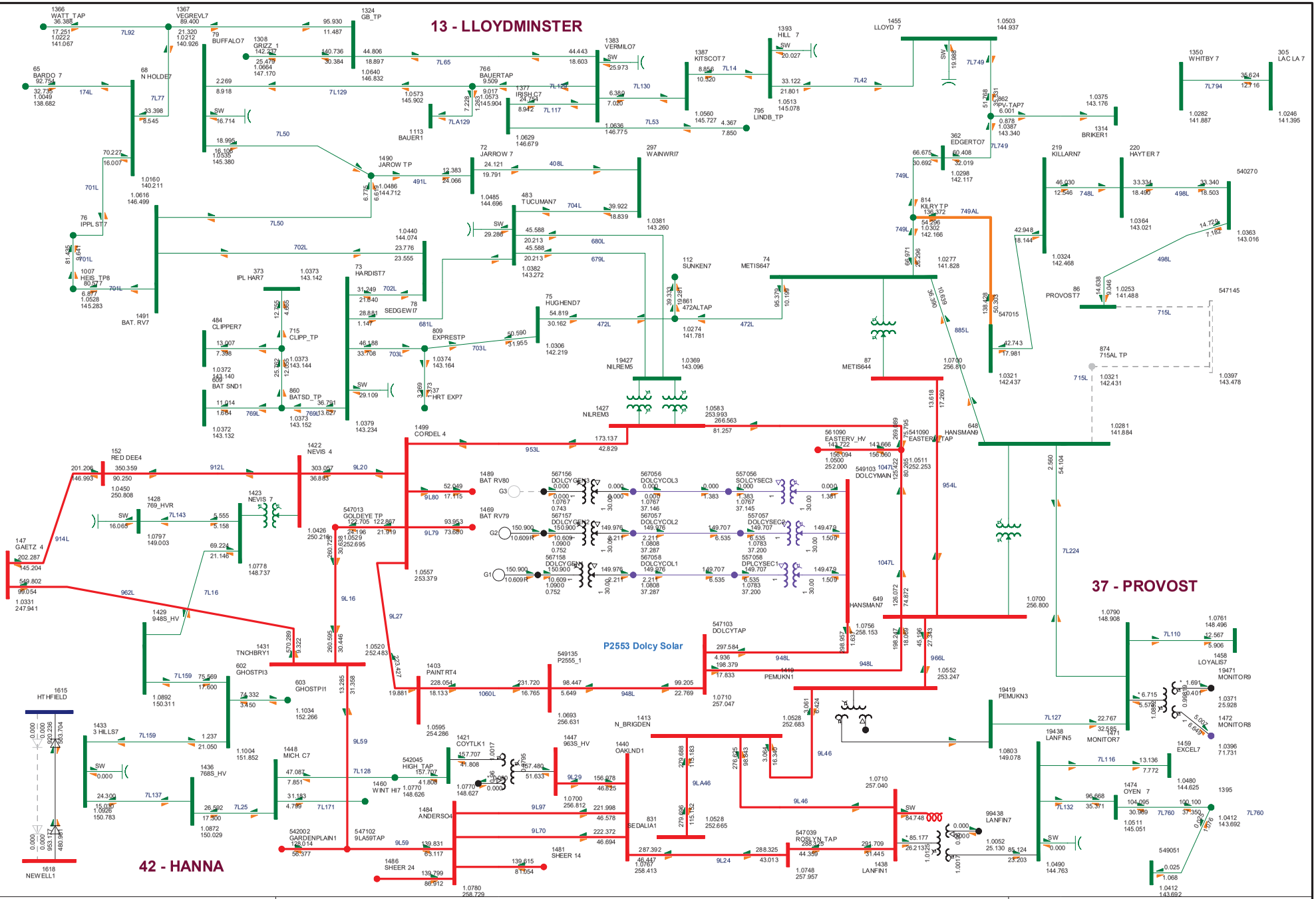


P2553 Dolcy Solar Battery MPC

FIGURE A3.2-21 N-1: KILLARNEY LAKE 267S TRANSFORMER T1
2028 SUMMER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

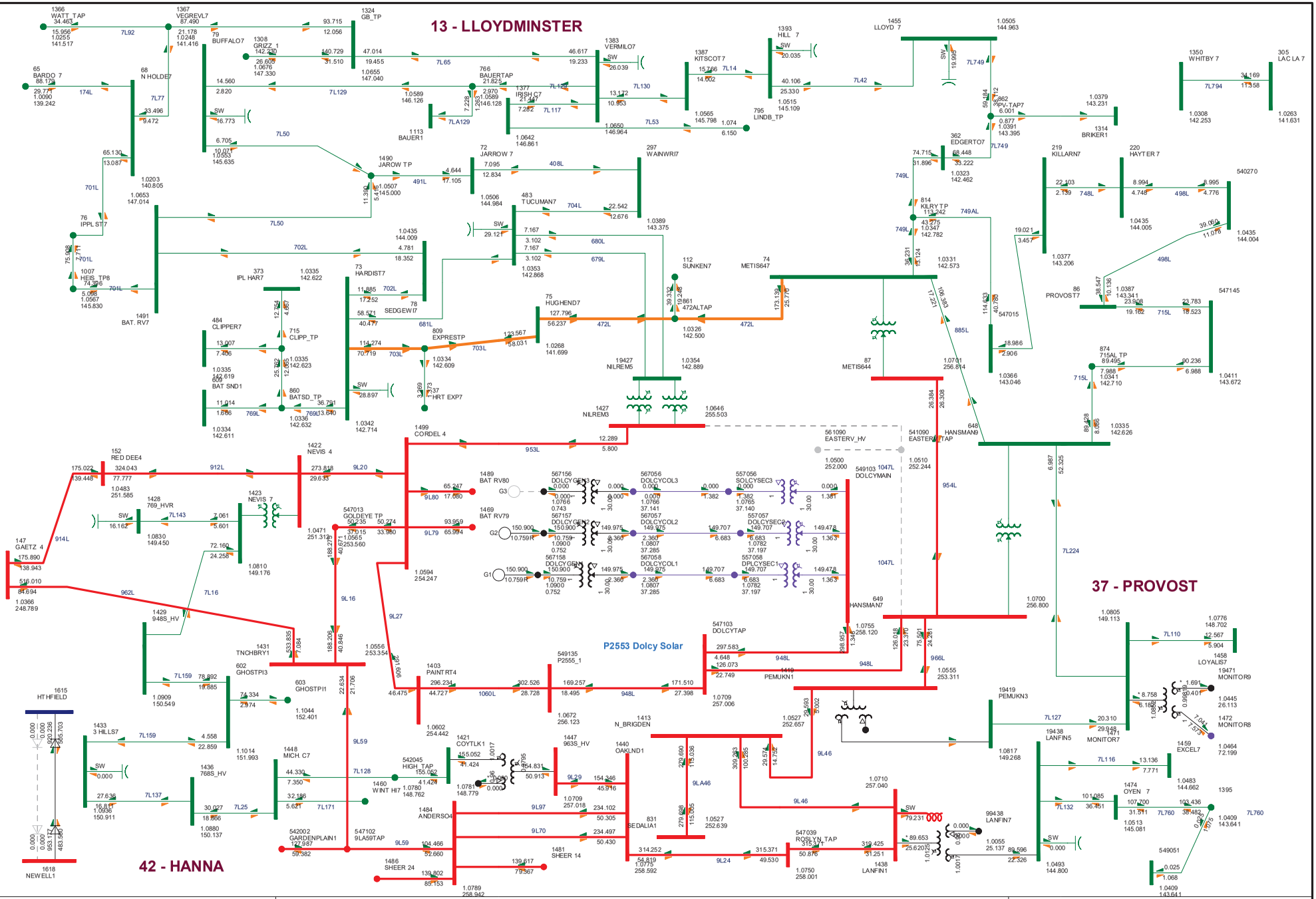


P2553 Dolcy Solar Battery MPC

FIGURE A3.2-22 N-1: 715L (HANSMAN LAKE 650S TO PROVOST 545S)
2028 SUMMER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

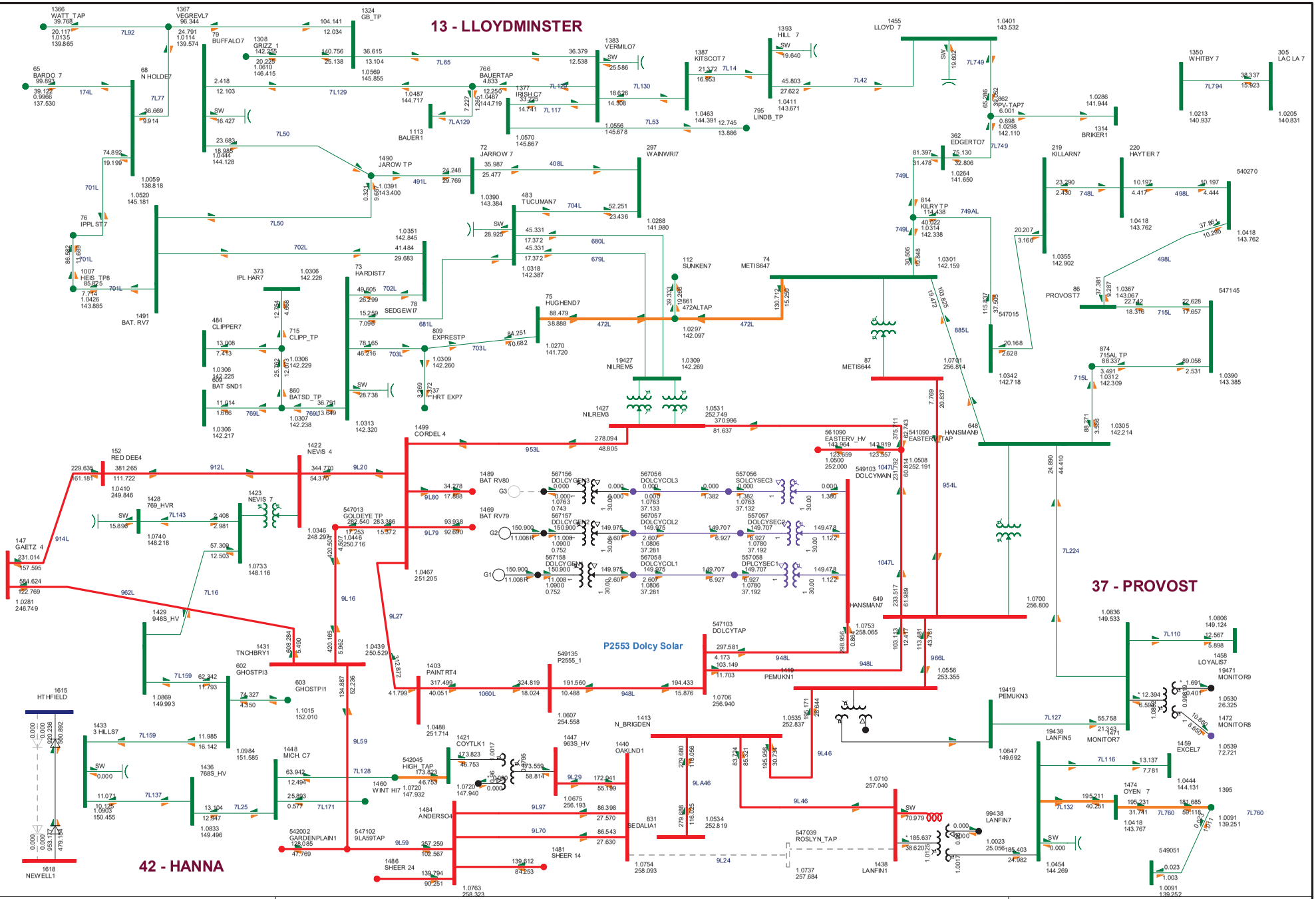


P2553 Dolcy Solar Battery MPC

FIGURE A3.2-23 N-1: 1047L (HANSMAN LAKE 650S TO NILREM 574S)
2028 SUMMER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000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37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
1366 WATT_TAP
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1324 GB_TP
65 BARDO 7
68 N HOLDE7
1308 GRIZZ 1
766 BAUERTAP
1383 VERMILO7
1387 KITSCOT7
1393 HILL 7
1455 LLOYD 7
1350 WHITBY 7
305 LAC LA 7
1490 JAROW TP
72 JARROW 7
297 WAINWRI7
483 TUCUMAN7
112 SUNKEN7
74 METIS647
87 METIS644
362 EDGERTO7
795 LINDB_TP
1113 BAUER1
1377 IRISH C7
76 IPPL ST7
1007 HEIS_TP8
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
484 CLIPPER7
715 CLIPP_TP
809 EXPRESTP
860 BATSD_TP
1499 CORDEL 4
1422 NEVIS 4
152 RED DEE4
1423 NEVIS 7
1428 769_HVR
147 GAETZ 4
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1403 PAINTRT4
1489 BAT RV80
1469 BAT RV79
567156 DOLCYGEN3
567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 SOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
547013 GOLDEYE TP
547103 DOLCYTAP
549135 P2555_1
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19427 NILREM5
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649 HANSMAN7
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19419 PEMUKN3
1458 LOYALIS7
19471 MONITOR9
1472 MONITOR8
1471 MONITOR7
1459 EXCEL7
1474 OYEN 7
1395
1433 3 HILLS7
1436 768S_HV
1448 MICH. C7
1460 WINT HI7
542045 HIGH_TAP
1421 COYTLK1
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
831 SEDALIA1
1484 ANDERSO4
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547102 9LA59TAP
1481 SHEER 14
1486 SHEER 24
1615 HTHFIELD
1618 NEWELL1
547039 ROSLYN_TAP
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1438 LANFIN1
19438 LANFIN5
1471 MONITOR7
1472 MONITOR8
1459 EXCEL7
1474 OYEN 7
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219 KILLARN7
220 HAYTER 7
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814 KILRY TP
86 PROVOST7
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547145
874 715AL_TP
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7L50
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7L117
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7L130
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7L50
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7L110
7L127
7L116
7L132
7L760
7L794
7L159
7L137
7L128
7L171
7L25
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748L
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715L
769L
491L
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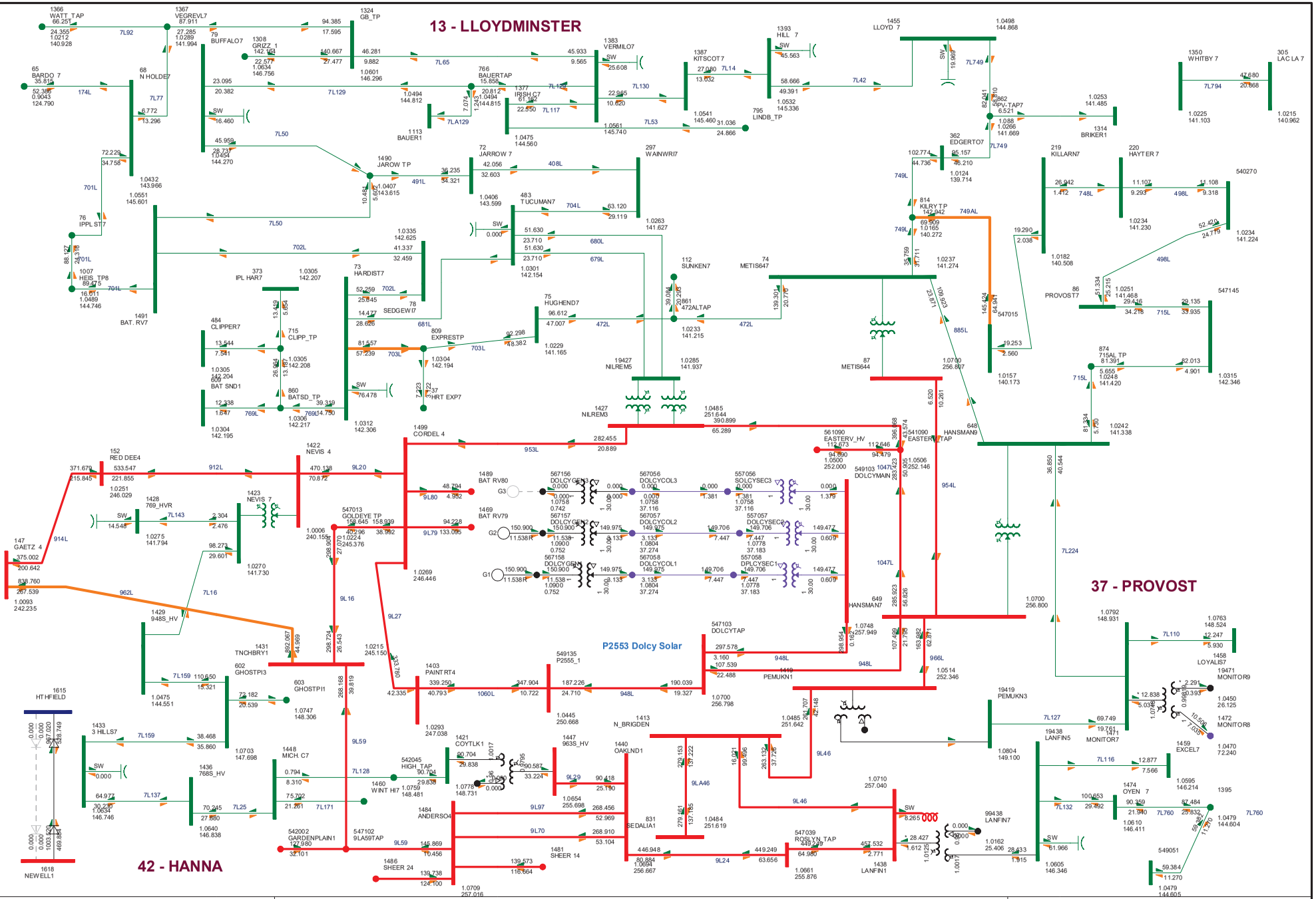
7L14

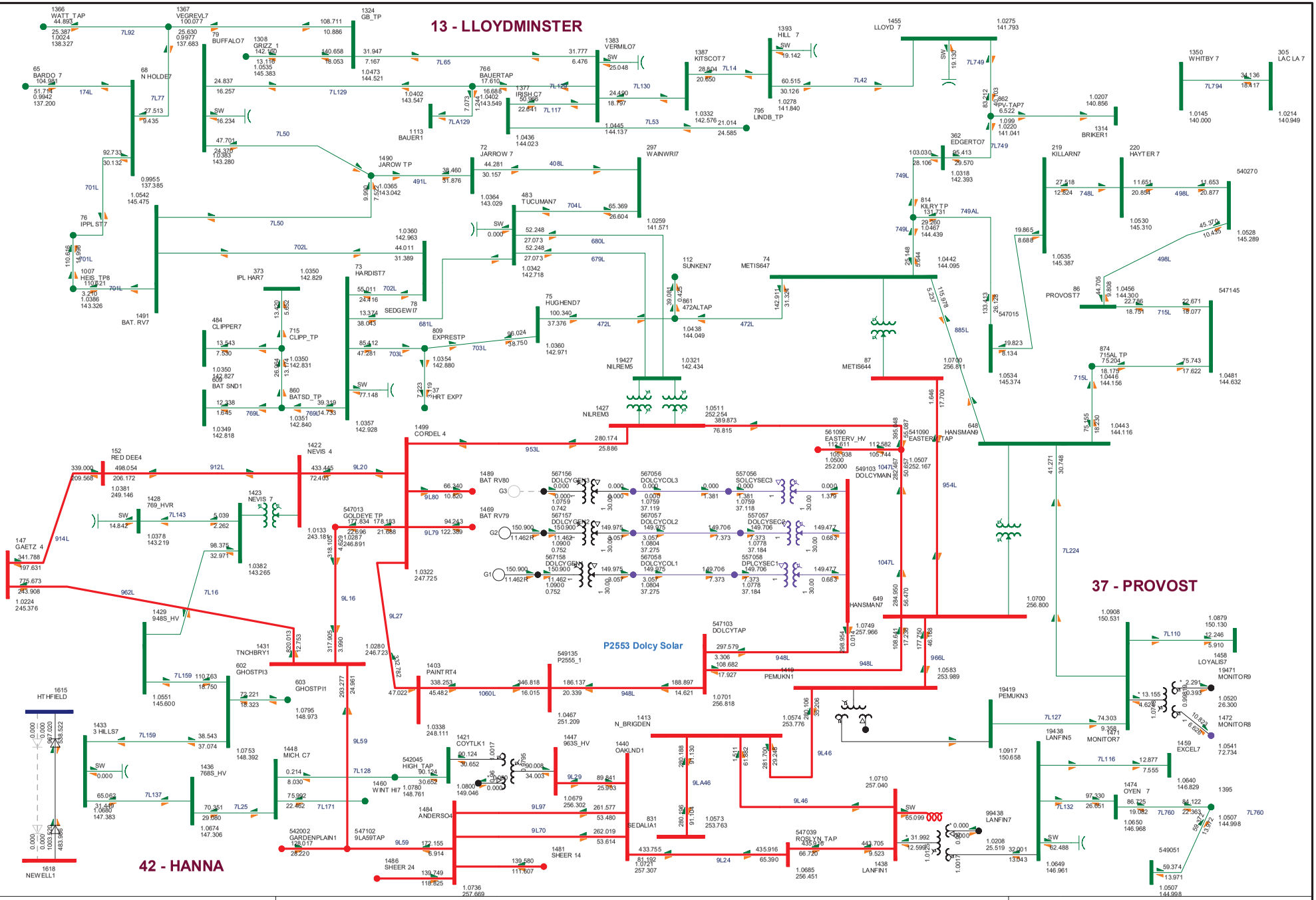


P2553 Dolcy Solar Battery MPC

FIGURE A3.3-0-N-0: NORMAL OPERATION
2028 WINTER PEAK HG (POST-CONNECTION), Pre-Curtailment
PRINTED ON TUESDAY 08. APRIL 2025

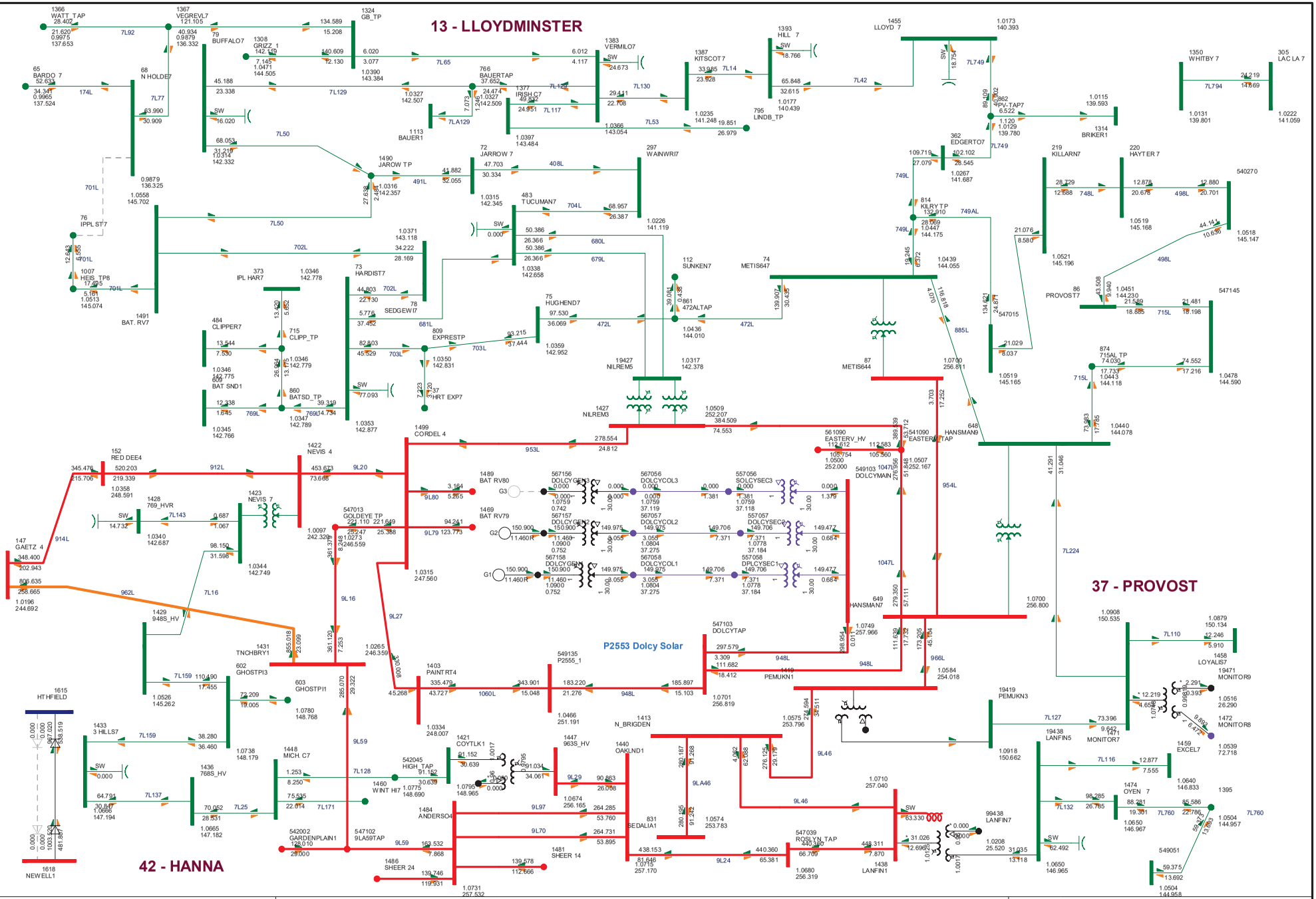
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000



P2553 Dolcy Solar Battery MPC

FIGURE A3.3-1-N-0: NORMAL OPERATION
2028 WINTER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

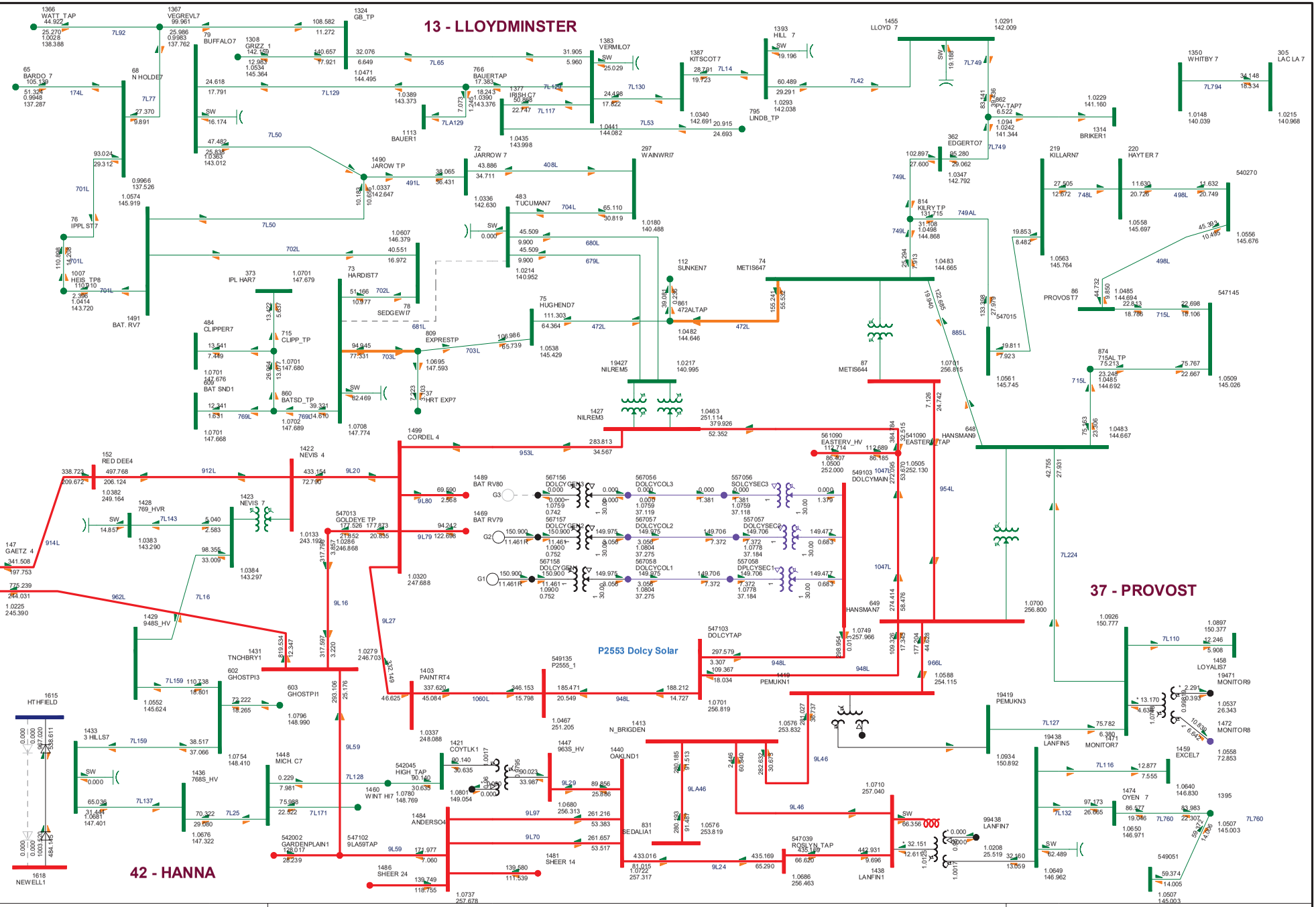


P2553 Dolcy Solar Battery MPC

FIGURE A3.3-2 N-1: 701L (NORTH HODEN 395S TO STROME 223S)
2028 WINTER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

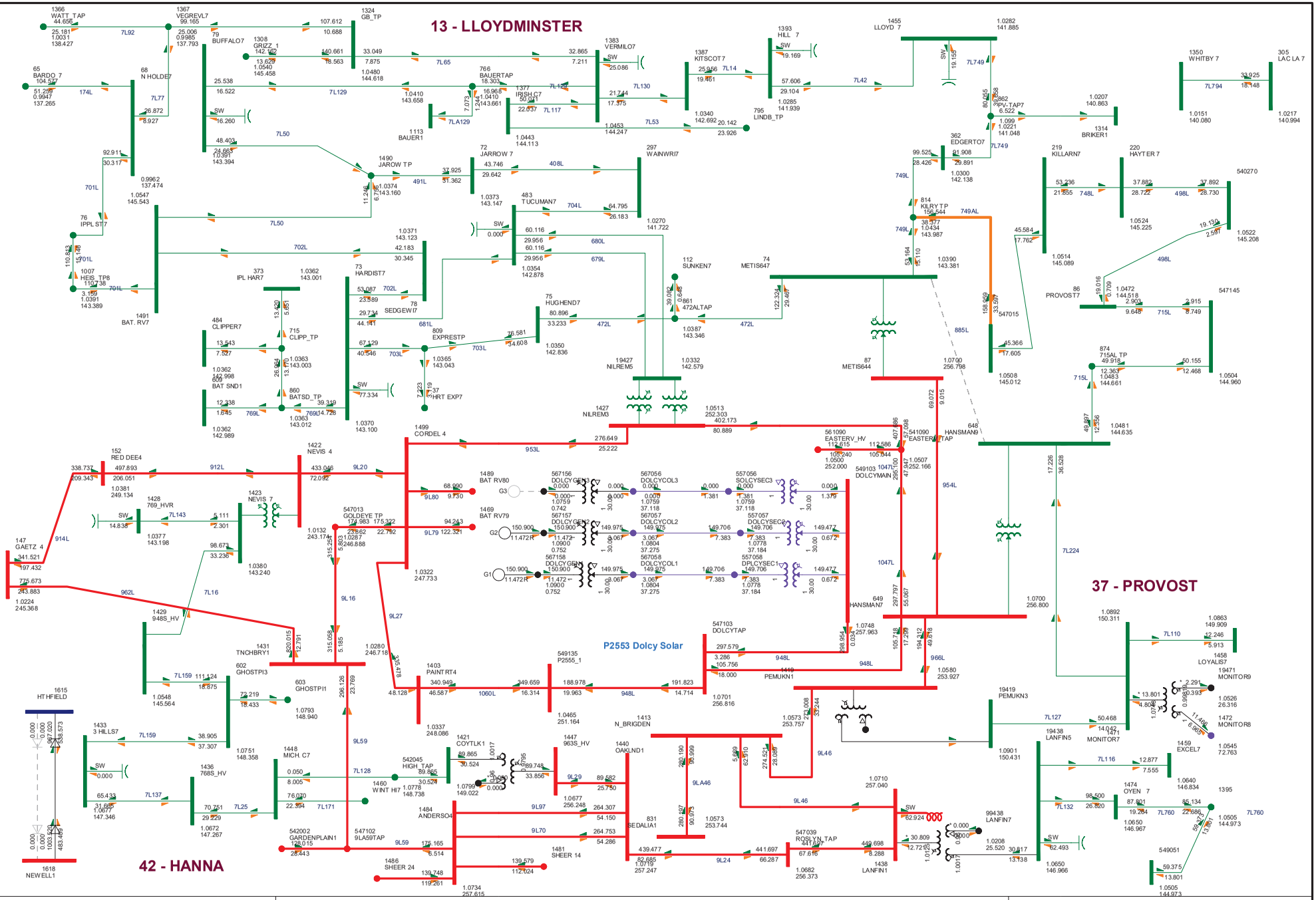


P2553 Dolcy Solar Battery MPC

FIGURE A3.3-3 N-1: 681L (HARDISTY 377S TO TUCUMAN 478S)
2028 WINTER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

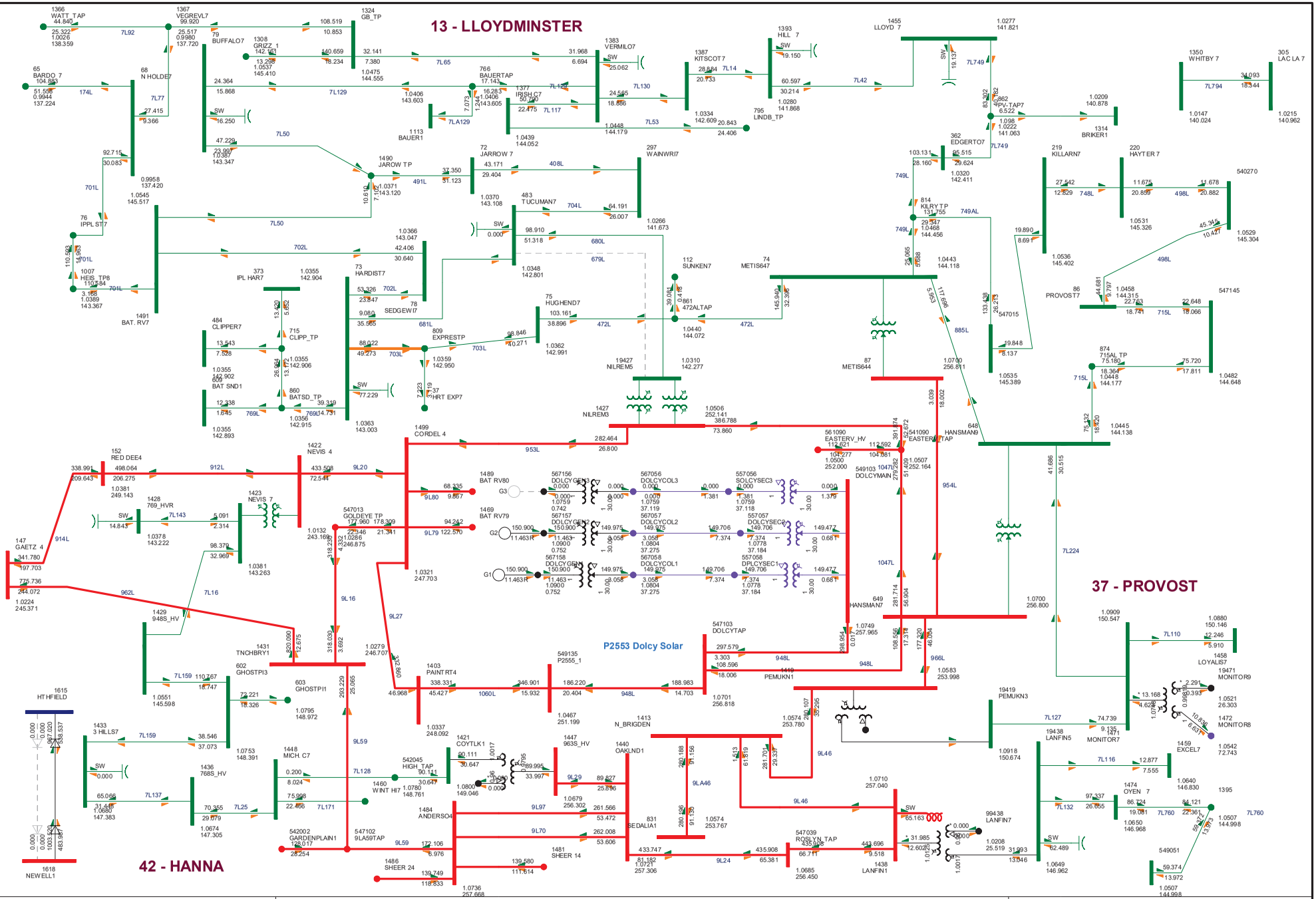


P2553 Dolcy Solar Battery MPC

FIGURE A3.3-4 N-1: 885L (METISKOW 648S TO HANSMAN LAKE 650S)
2028 WINTER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

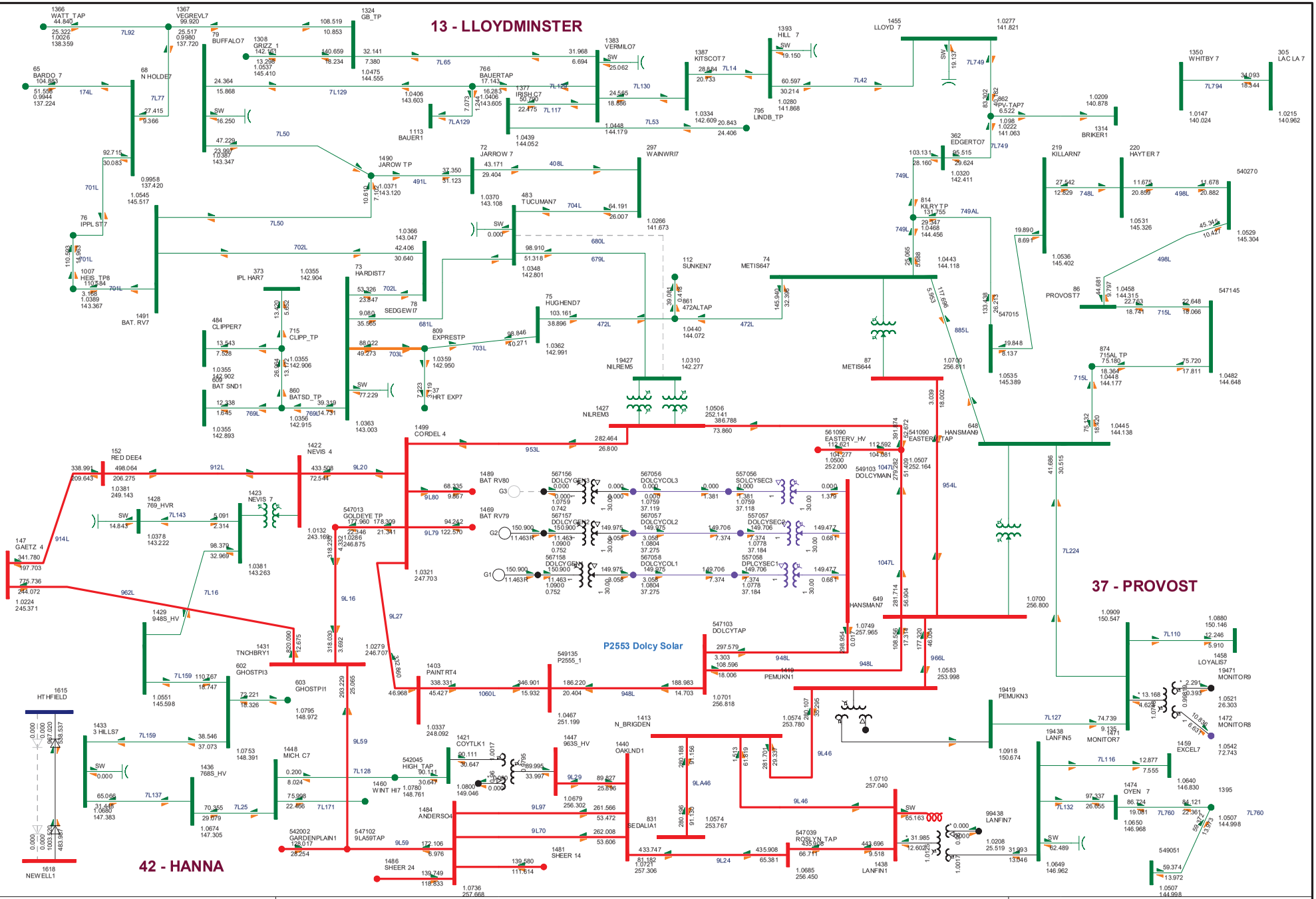


P2553 Dolcy Solar Battery MPC

FIGURE A3.3-5 N-1: 679L (NILREM 574S TO TUCUMAN 478S)
2028 WINTER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

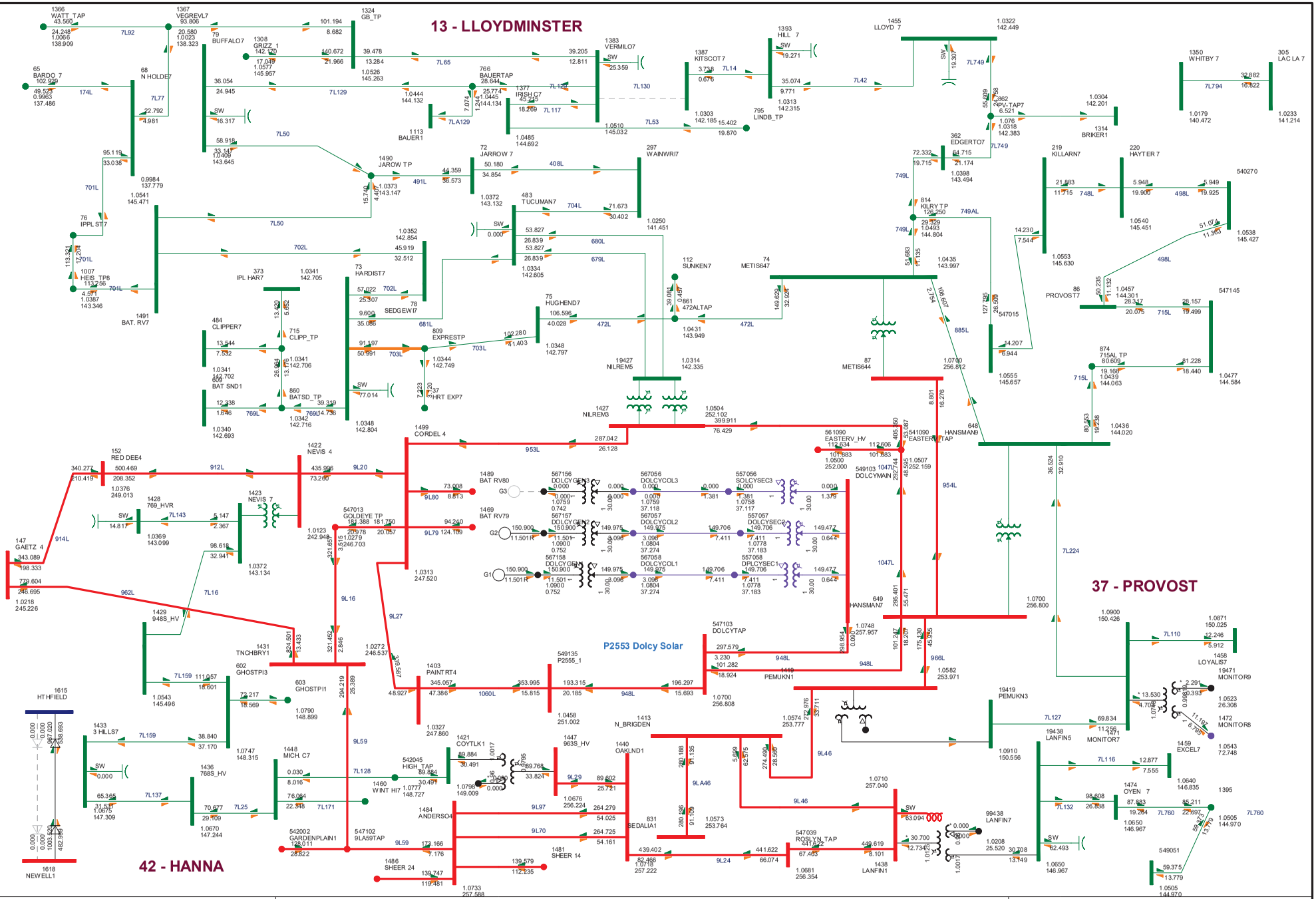


P2553 Dolcy Solar Battery MPC

FIGURE A3.3-6 N-1: 680L (NILREM 574S TO TUCUMAN 478S)
2028 WINTER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000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42 - HANNA
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1393 HILL_7
1455 LLOYD 7
1350 WHITBY 7
305 LAC LA 7
65 BARDO_7 102.929
68 N HOLDE7
766 BAUERTAP 28.644
1377 IRISH_C7 45.245
795 LINDB_TP
362 EDGERTO7
1314 BRIKER1
1113 BAUER1
1490 JAROW TP
72 JARROW 7
297 WAINWRI7
483 TUCUMAN7
112 SUNKEN7
74 METIS647
87 METIS644
76 IPPL ST7
1007 HEIS_TP8
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
484 CLIPPER7
715 CLIPP_TP
809 EXPRESTP
860 BATSD_TP
HRT EXP7
75 HUGHEND7
814 KILRY TP
219 KILLARN7
220 HAYTER 7
540270
86 PROVOST7
547145
547015
874 715AL TP
1427 NILREM3
19427 NILREM5
1499 CORDEL 4
1422 NEVIS 4
152 RED DEE4
1423 NEVIS 7
1428 769_HVR
147 GAETZ 4
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1615 HTHFIELD
1618 NEWELL1
1433 3 HILLS7
1436 768S_HV
1448 MICH_C7
1460 WINT HI7
542045 HIGH_TAP
1484 ANDERSO4
542002 GARDENPLAIN1
547102 9LA59TAP
1486 SHEER 24
1481 SHEER 14
1403 PAINTRT4
1421 COYTLK1
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
831 SEDALIA1
1438 LANFIN1
99438 LANFIN7
19438 LANFIN5
1471 MONITOR7
1472 MONITOR8
19471 MONITOR9
1458 LOYALIS7
1459 EXCEL7
1474 OYEN 7
1395
1505 144.970
549051
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1469 BAT RV79
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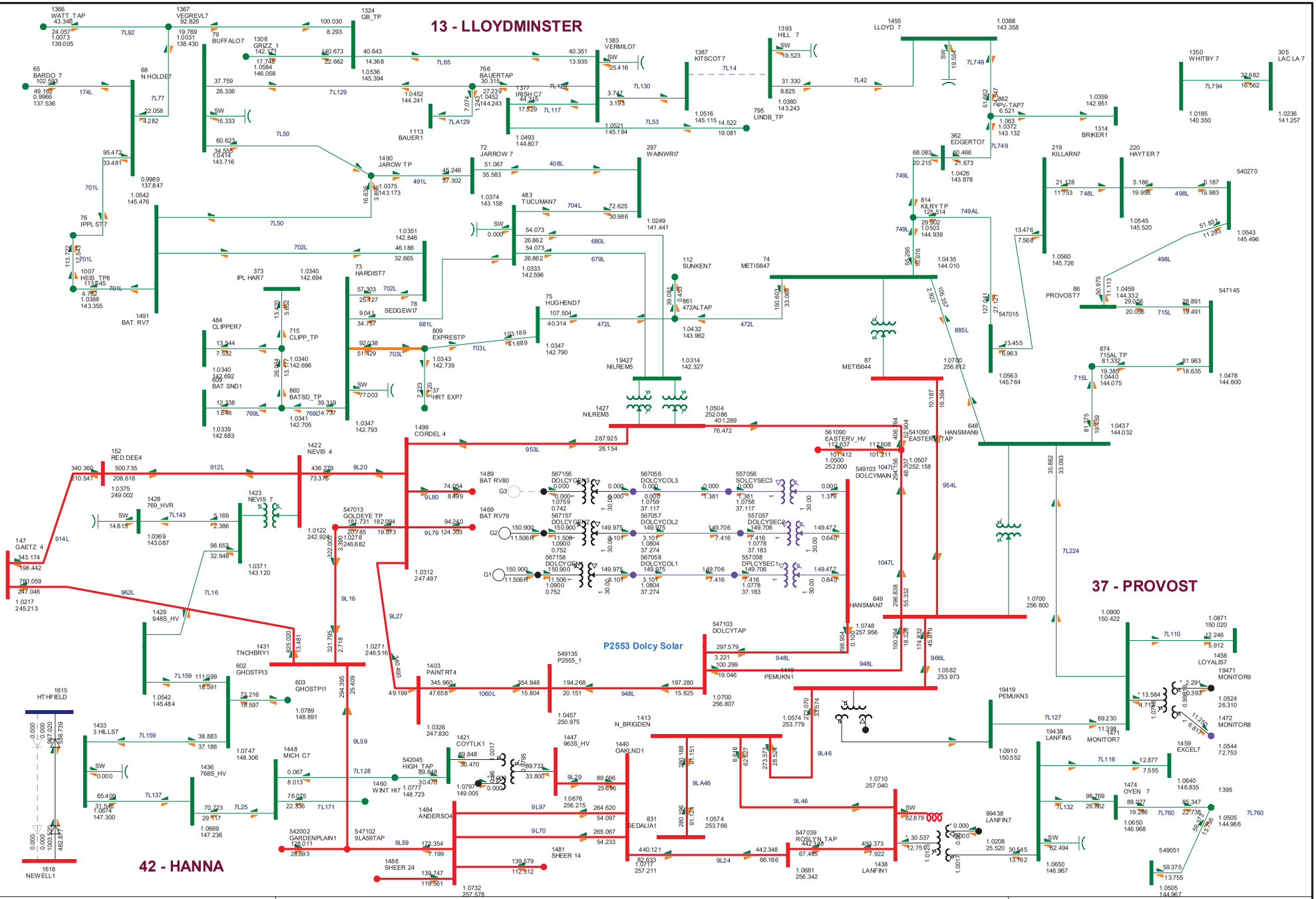
567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 DOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
547013 GOLDEYE TP
561090 EASTERV_HV
541090 EASTERV_TAP
549103 DOLCYMAIN
648 HANSMAN8
649 HANSMAN7
547103 DOLCYTAP
549135 P2555_1
1419 PEMUKN1
19419 PEMUKN3
547039 ROSLYN_TAP
441.622
441.619
441.622
P2553 Dolcy Solar Battery MPC
FIGURE A3.3-7 N-1: 7L130 (VERMILION 710S TO KITSCOTY 705S)
2028 WINTER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025
Page 194 of 615
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000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37 - PROVOST
42 - HANNA
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1367 VEGREVL7 92.826
1324 GB_TP
1308 GRIZZ_1 142.171
766 BAUERTAP 30.315
1383 VERMILO7
1387 KITSCOT7
1393 HILL_7
1455 LLOYD 7
1350 WHITBY 7
305 LAC LA 7
65 BARDO_7 102.593
68 N HOLDE7
795 LINDB_TP
362 EDGERTO7 60.466
219 KILLARN7
220 HAYTER 7
540270
1490 JAROW TP
72 JARROW 7 51.067
297 WAINWRI7
483 TUCUMAN7
814 KILRY TP 125.514
76 IPPL ST7
1007 HEIS_TP8 113.545
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
484 CLIPPER7
715 CLIPP_TP
809 EXPRESTP
75 HUGHEND7
112 SUNKEN7
74 METIS647
86 PROVOST7
547145
547015
874 715AL_TP 81.332
860 BATSD_TP 39.319
HRT EXP7
1499 CORDEL 4
1422 NEVIS 4
152 RED DEE4 500.735
1423 NEVIS 7
1428 769_HVR
547013 GOLDEYE TP 182.731 182.094
1489 BAT RV80
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567156 DOLCYGEN3
567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 DOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
19427 NILREM5
1427 NILREM3
87 METIS644
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541090 EASTERV_TAP 112.608
549103 DOLCYMAIN 294.335
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649 HANSMAN7
147 GAETZ 4 343.174
780 059 247.046
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1403 PAINTRT4
549135 P2555_1
547103 DOLCYTAP
1419 PEMUKN1
1615 HTHFIELD
1433 3 HILLS7
1436 768S_HV
1448 MICH_C7
1460 WINT HI7
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1421 COYTLK1
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
1484 ANDERSO4
542002 GARDENPLAIN1 128.011
547102 9LA59TAP
1486 SHEER 24
1481 SHEER 14
831 SEDALIA1
547039 ROSLYN_TAP 442.348
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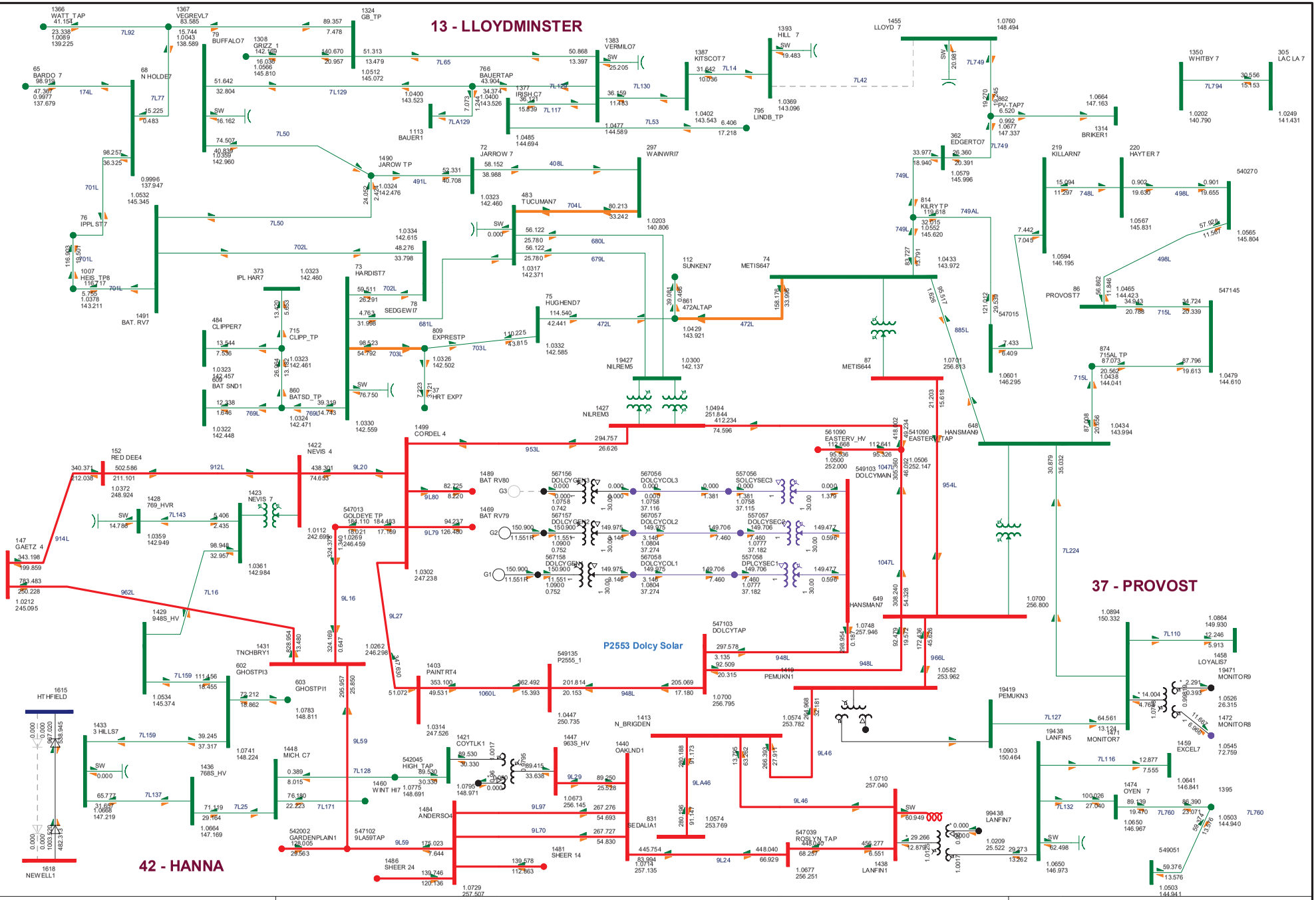
99438 LANFIN7
19438 LANFIN5
19419 PEMUKN3
1471 MONITOR7
1472 MONITOR8
1458 LOYALIS7
19471 MONITOR9
1459 EXCEL7
1474 OYEN 7
549051
1618 NEWELL1
P2553 Dolcy Solar Battery MPC
FIGURE A3.3-8 N-1: 7L14 (KITSCOTY 705S TO HILL 751S)
2028 WINTER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025
Page 195 of 615
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

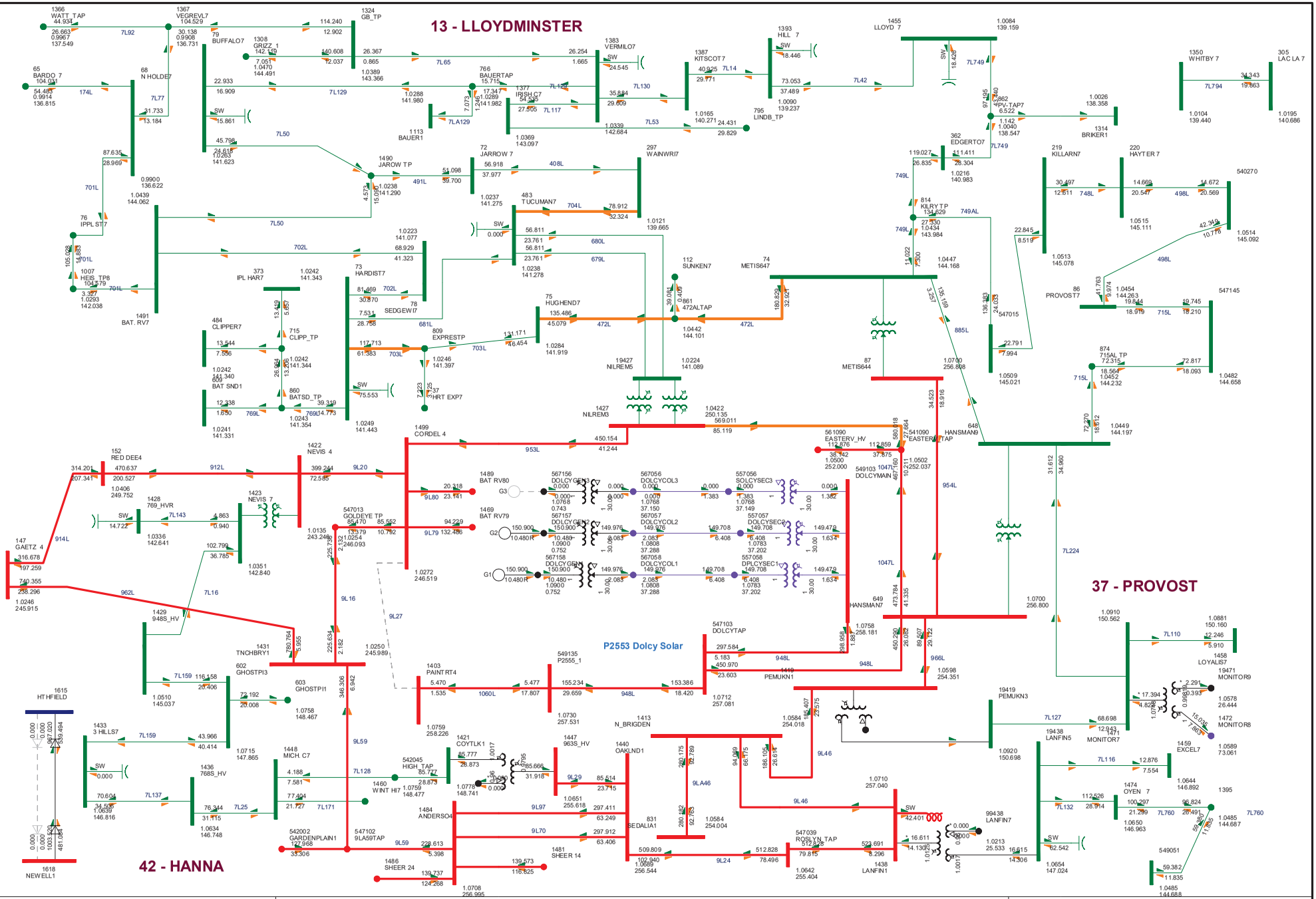


P2553 Dolcy Solar Battery MPC

FIGURE A3.3-9 N-1: 7L42 (HILL 751S TO LLOYDMINSTER 716S)
2028 WINTER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

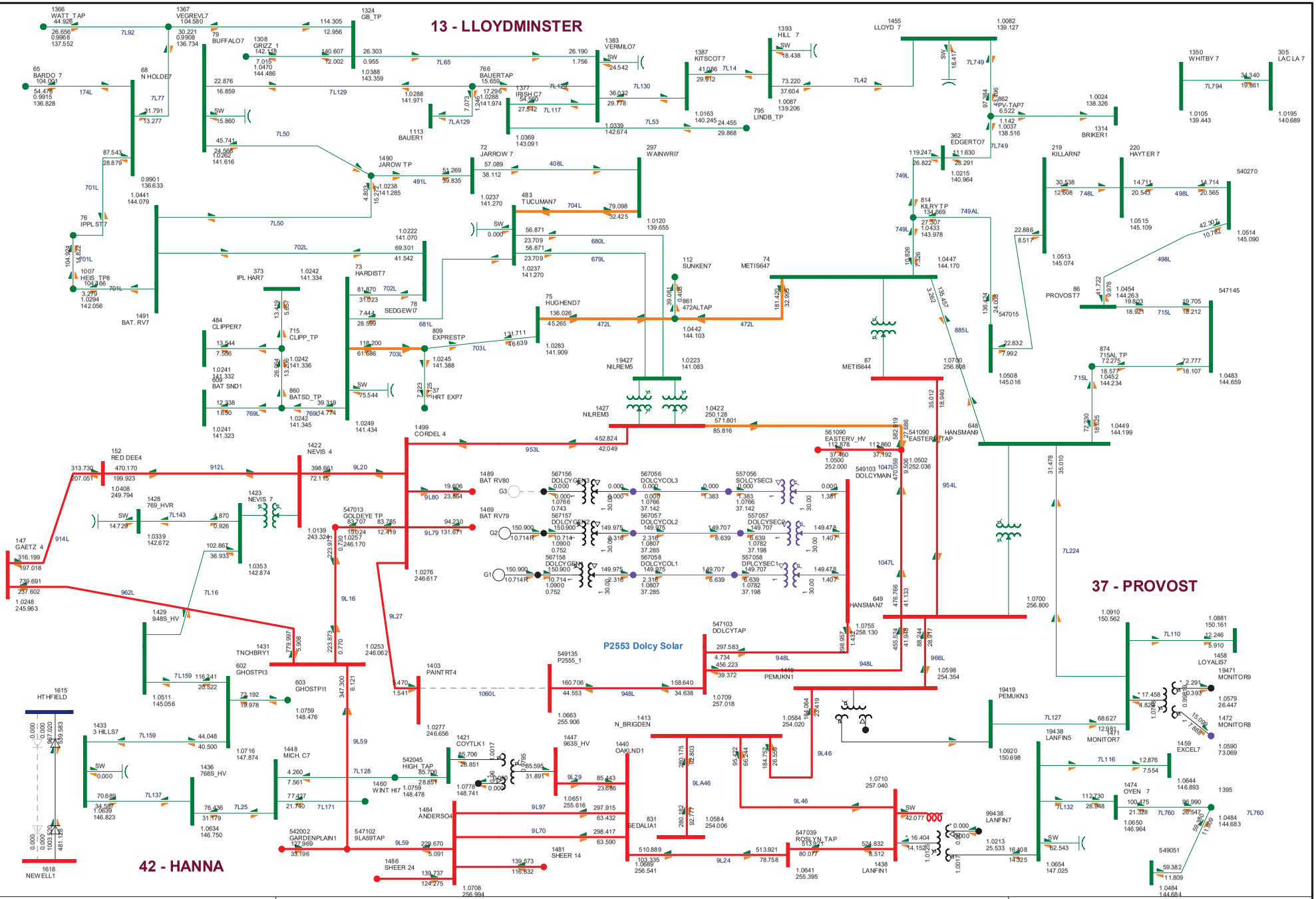
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000



P2553 Dolcy Solar Battery MPC

FIGURE A3.3-10 N-1: 9L27 (PAINTEARTH CREEK 863S TO CORDEL 755S)
2028 WINTER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
1366 WATT_TAP 44.926
1367 VEGREVL7 104.580
1324 GB_TP
1383 VERMILO7
1387 KITSCOT7
1393 HILL 7
1455 LLOYD 7
1350 WHITBY 7
305 LAC LA 7
65 BARDO 7 104.091
68 N HOLDE7
1308 GRIZZ 1 142.418
766 BAUERTAP 15.659
1377 IRISH_C7 54.500
795 LINDB_TP
362 EDGERTO7 411.630
1314 BRIKER1
1113 BAUER1
1490 JAROW TP
72 JARROW 7 57.089
297 WAINWRI7
483 TUCUMAN7
112 SUNKEN7
74 METIS647
219 KILLARN7
220 HAYTER 7
540270
814 KILRY TP 134.669
76 IPPL ST7
1007 HEIS_TP8 104.166
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
75 HUGHEND7
484 CLIPPER7
715 CLIPP_TP
809 EXPRESTP
860 BATSD_TP
609 BAT SND1
37 HRT EXP7
86 PROVOST7
547145
547015
874 715AL TP 72.275
87 METIS644
19427 NILREM5
1427 NILREM3
1499 CORDEL 4
152 RED DEE4
1422 NEVIS 4
1423 NEVIS 7
1428 769_HVR
147 GAETZ 4
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1403 PAINTRT4
1489 BAT RV80
1469 BAT RV79
567156 DOLCYGEN3
567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 DOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
547013 GOLDEYE TP
561090 EASTERV_HV
541090 EASTERV_TAP
549103 DOLCYMAIN
547103 DOLCYTAP
549135 P2555_1
1419 PEMUKN1
649 HANSMAN7
648 HANSMAN8
1615 HTHFIELD
1618 NEWELL1
1433 3 HILLS7
1436 768S_HV
1448 MICH_C7
1460 WINT HI7
542045 HIGH_TAP
1421 COYTLK1
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
831 SEDALIA1
1484 ANDERSO4
1481 SHEER 14
1486 SHEER 24
542002 GARDENPLAIN1
547102 9LA59TAP
547039 ROSLYN_TAP
1438 LANFIN1
99438 LANFIN7
19438 LANFIN5
19419 PEMUKN3
1471 MONITOR7
1472 MONITOR8
1458 LOYALIS7
1459 EXCEL7
1474 OYEN 7
549051
7L127
7L132
7L760
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7L110
7L116
7L159
7L137
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701L
702L
703L
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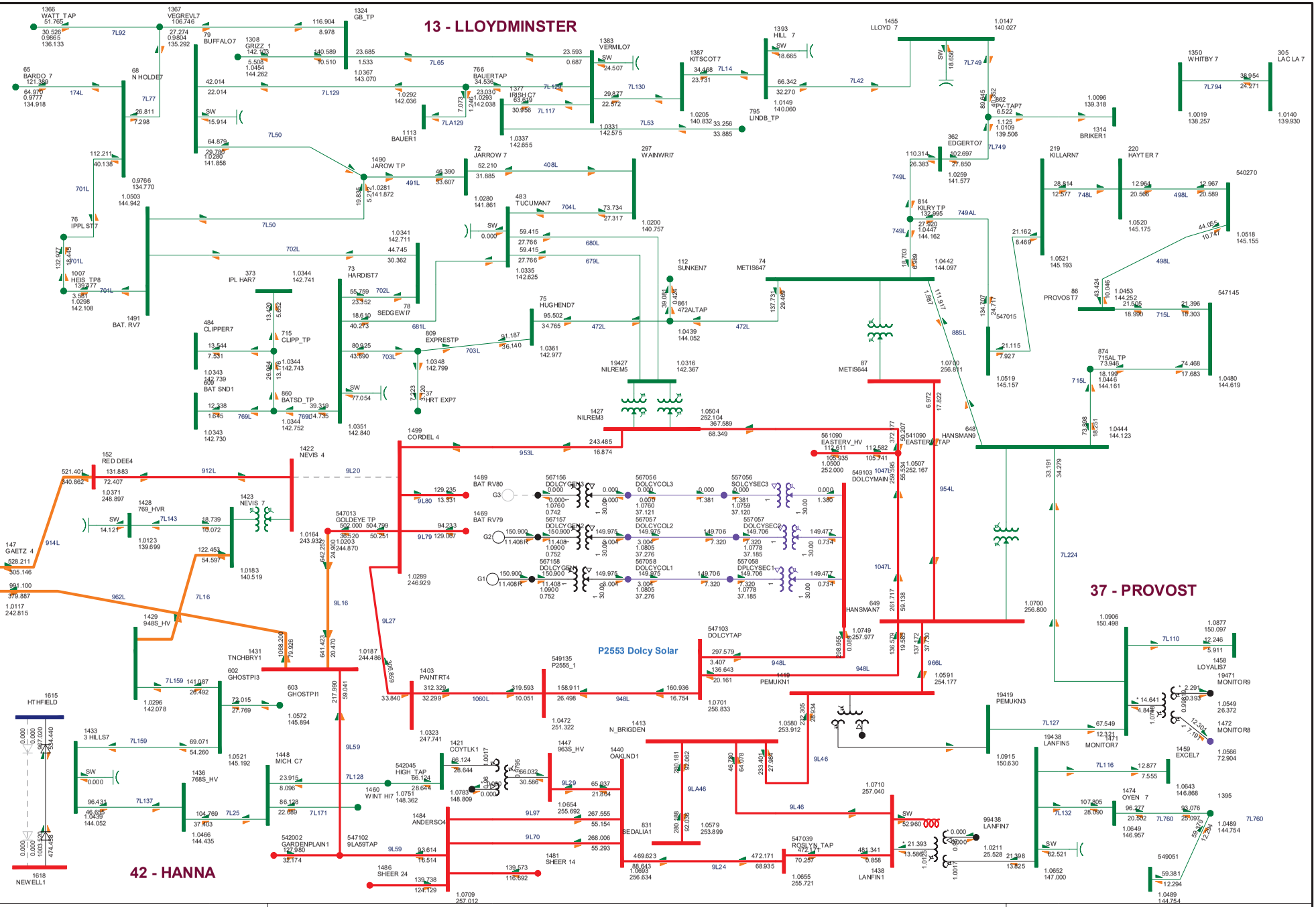
681L
408L
491L
472L
885L
912L
914L
962L
953L
9L20
9L80
9L79
9L16
9L27
9L59
9L29
9L97
9L70
9L59
9L24
9L46
9LA46
748L
749L
715L
498L
948L
966L
1047L
954L
1060L
P2553 Dolcy Solar Battery MPC
FIGURE A3.3-11 N-1: 1060L (PAINTEARTH 863S TO P2555 SWITCHING SUB)
2028 WINTER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
1366 WATT_TAP 51.765
1367 VEGREVL7 106.746
1324 GB_TP
1308 GRIZZ_1 142.103
1383 VERMILO7
1387 KITSCOT7
1393 HILL_7
1455 LLOYD 7
1350 WHITBY 7
305 LAC LA 7
65 BARDO_7 121.389
68 N HOLDE7
766 BAUERTAP 34.536
1377 IRISH_C7 63.649
795 LINDB_TP
1113 BAUER1
1314 BRIKER1
362 EDGERTO7
1490 JAROW TP
72 JARROW 7
297 WAINWRI7
483 TUCUMAN7
112 SUNKEN7
74 METIS647
814 KILRY TP 132.995
219 KILLARN7
220 HAYTER 7
540270
76 IPPL ST7
1007 HEIS_TP8 139.977
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
484 CLIPPER7
715 CLIPP_TP
809 EXPRESTP
75 HUGHEND7
472ALTAP
547015
86 PROVOST7
547145
874 715AL TP 73.946
19427 NILREM5
87 METIS644
1427 NILREM3
1499 CORDEL 4
561090 EASTERV_HV
541090 EASTERV_TAP
648 HANSMAN8
549103 DOLCYMAIN
152 RED DEE4
1422 NEVIS 4
1423 NEVIS 7
1428 769_HVR
1489 BAT RV80
1469 BAT RV79
567156 DOLCYGEN3
567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 DOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
547013 GOLDEYE TP
147 GAETZ 4
914L
962L
7L16
9L16
9L27
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1403 PAINTRT4
549135 P2555_1
547103 DOLCYTAP
649 HANSMAN7
1449 PEMUKN1
19419 PEMUKN3
1615 HTHFIELD
1433 3 HILLS7
1436 768S_HV
1448 MICH. C7
1460 WINT HI7
542045 HIGH_TAP
1421 COYTLK1
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
1484 ANDERSO4
831 SEDALIA1
542002 GARDENPLAIN1
547102 9LA59TAP
1481 SHEER 14
1486 SHEER 24
1618 NEWELL1
547039 ROSLYN_TAP
1438 LANFIN1
99438 LANFIN7
19438 LANFIN5
1471 MONITOR7
1472 MONITOR8
1458 LOYALIS7
19471 MONITOR9
1459 EXCEL7
1474 OYEN 7
1395
7L760
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7L224
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7L794
7L42
7L53
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7L50
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7L50
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7L159
7L137
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7L128
7L171
7L110
7L127
7L116
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9L59
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9L46
9L24
9LA46
953L
954L
1047L
966L
948L
1060L
680L
679L
472L
885L
715L
498L
749L
748L
701L
702L
703L
704L
681L
769L
408L
491L
912L
1068.209
641.423
698.906
217.990
59.041
79.926
20.470
P2553 Dolcy Solar Battery MPC
FIGURE A3.3-12 N-1: 9L20 (NEVIS 766S TO CORDEL 755S)
2028 WINTER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025
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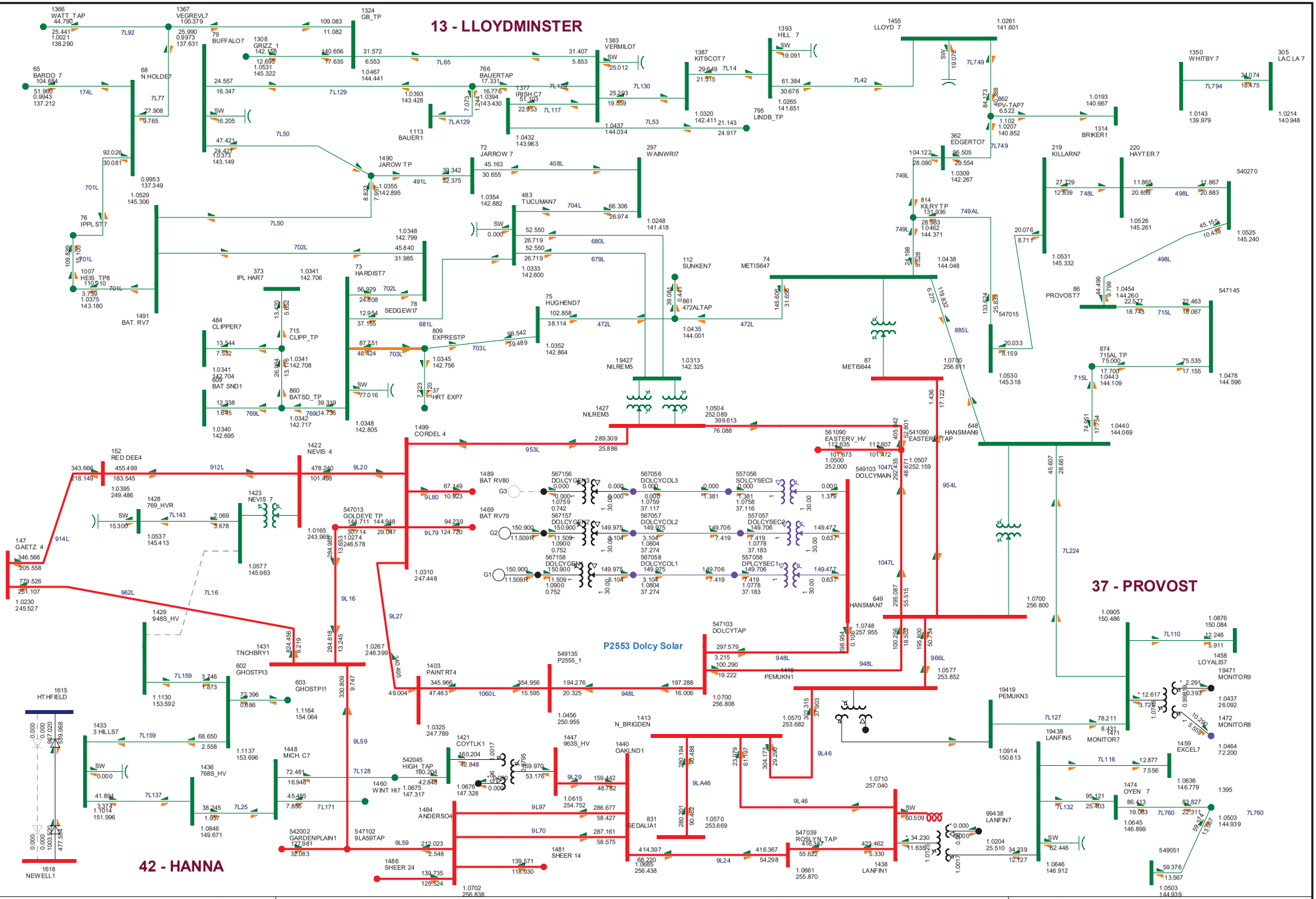
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

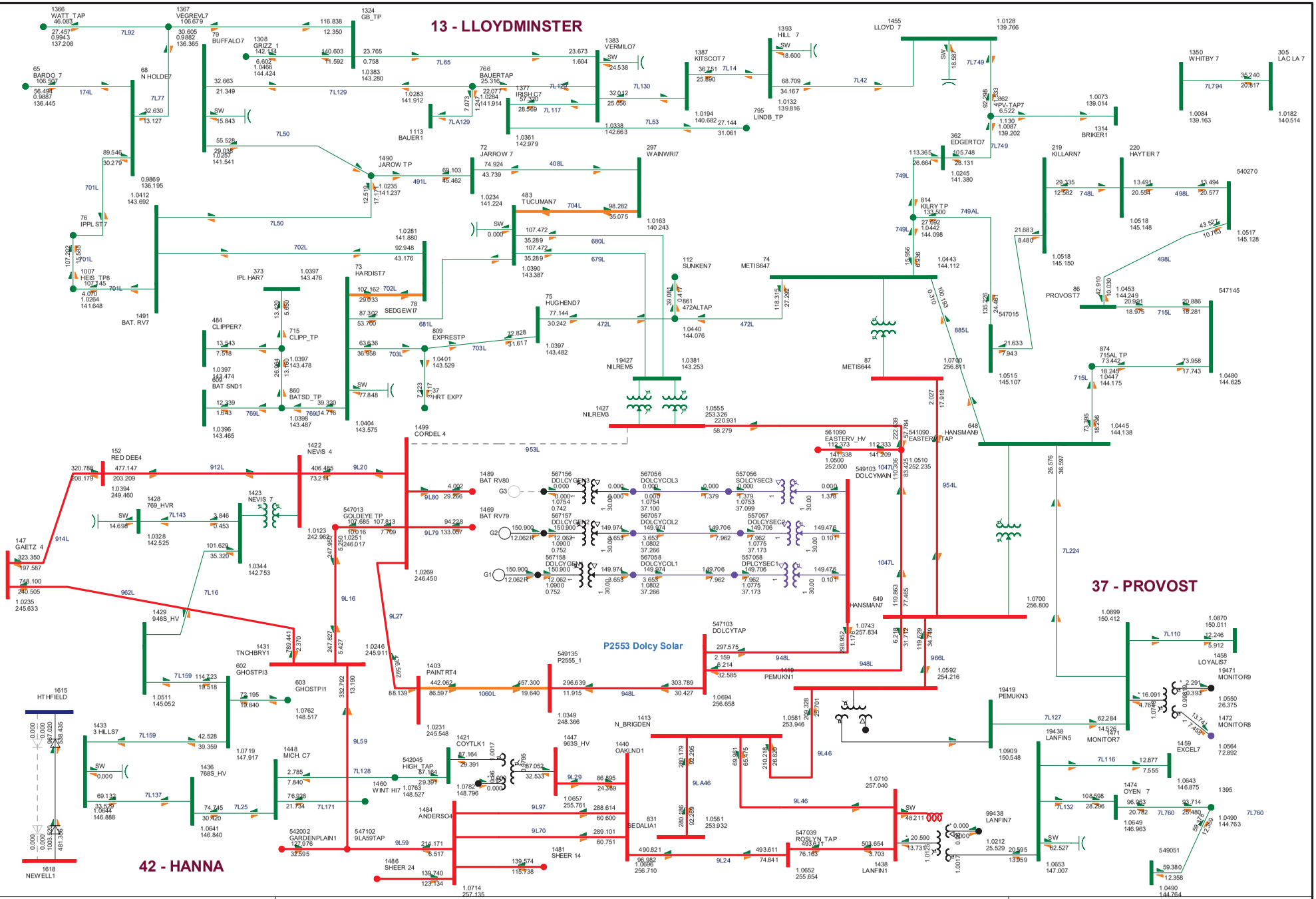


P2553 Dolcy Solar Battery MPC

FIGURE A3.3-13 N-1: 7L16 (NEVIS 766S TO HEATBURG 948S)
2028 WINTER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

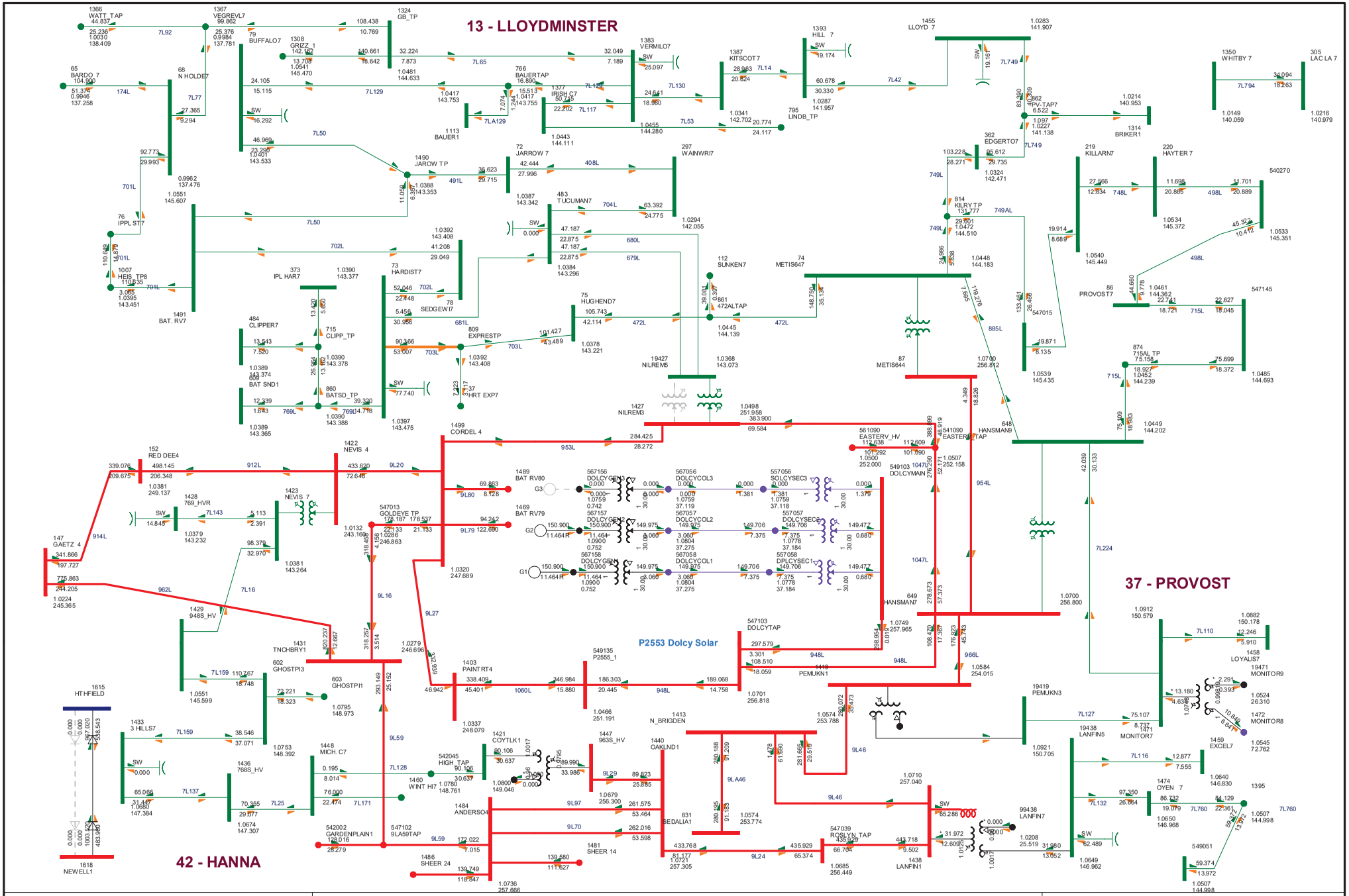


P2553 Dolcy Solar Battery MPC

FIGURE A3.3-14 N-1: 953L (NILREN 574S TO CORDEL 755S)
2028 WINTER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

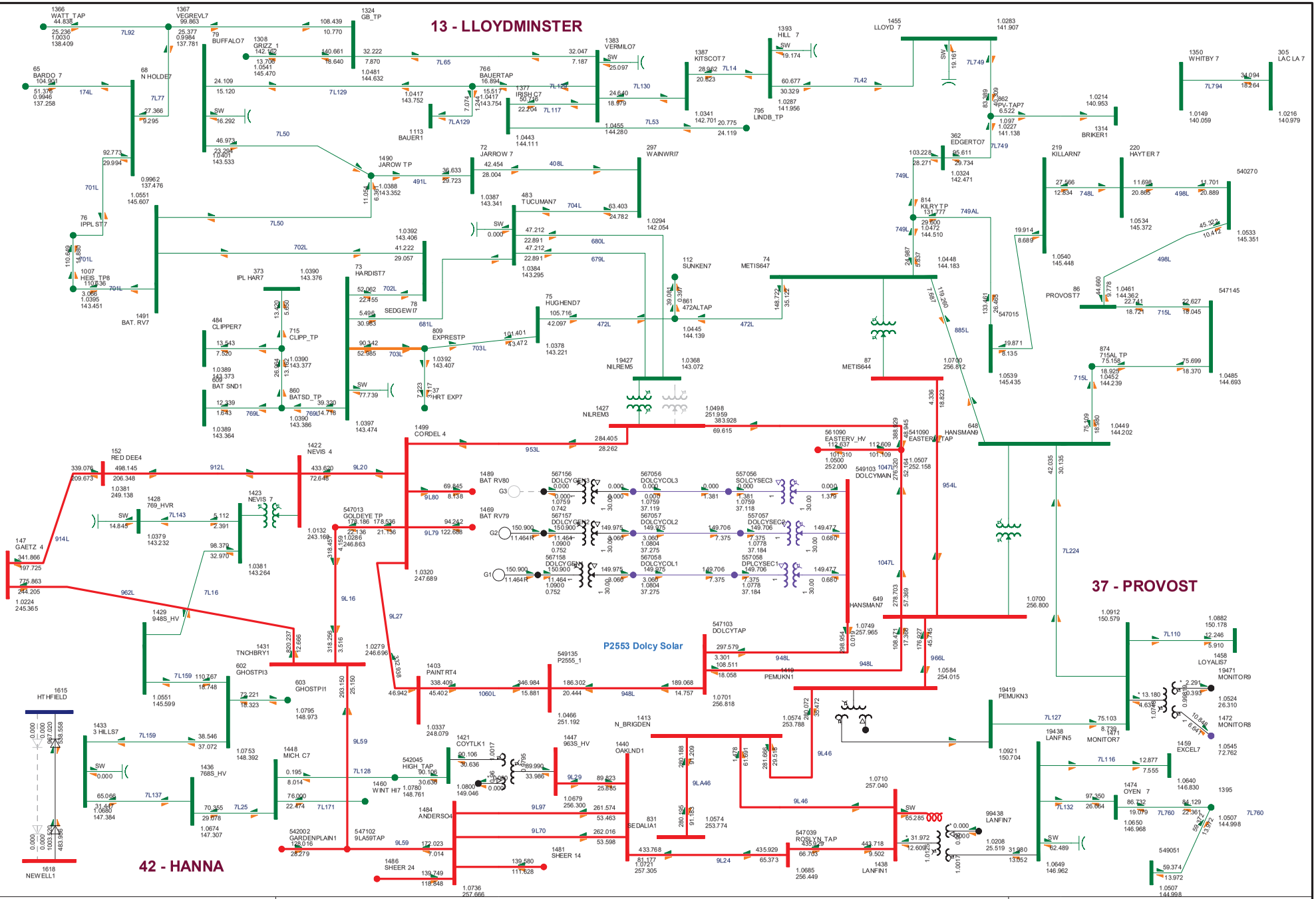


P2553 Dolcy Solar Battery MPC

FIGURE A3.3-15 N-1: NILREM 574S TRANSFORMER T1
2028 WINTER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
1366 WATT_TAP 44.838
1367 VEGREVL7 99.863
1324 GB_TP
1308 GRIZZ_1 142.422
1383 VERMILO7
1387 KITSCOT7
1393 HILL_7
1455 LLOYD_7
1350 WHITBY 7
305 LAC LA 7
65 BARDO_7 104.901
68 N HOLDE7
766 BAUERTAP 16.894
1377 IRISH_C7 50.246
795 LINDB_TP
1113 BAUER1
362 EDGERTO7
PV-TAP7 6.522
1314 BRIKER1
1490 JAROW TP
72 JARROW 7
297 WAINWRI7
483 TUCUMAN7
112 SUNKEN7
74 METIS647
87 METIS644
219 KILLARN7
220 HAYTER 7
540270
814 KILRY TP 131.777
86 PROVOST7
547145
547015
76 IPPL ST7
1007 HEIS_TP8 110.536
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
75 HUGHEND7
484 CLIPPER7
715 CLIPP_TP
809 EXPRESTP
HRT EXP7
860 BATSD_TP
BAT SND1
874 715AL_TP 75.158
19427 NILREM5
1427 NILREM3
1499 CORDEL 4
1422 NEVIS 4
152 RED DEE4
1423 NEVIS 7
1428 769_HVR
147 GAETZ 4
547013 GOLDEYE TP
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1403 PAINTRT4
1421 COYTLK1
542045 HIGH_TAP
1460 WINT HI7
1484 ANDERSO4
542002 GARDENPLAIN1
547102 9LA59TAP
1486 SHEER 24
1481 SHEER 14
1615 HTHFIELD
1618 NEWELL1
1433 3 HILLS7
1436 768S_HV
1448 MICH. C7
1489 BAT RV80
1469 BAT RV79
567156 DOLCYGEN3
567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 DOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
561090 EASTERV_HV
541090 EASTERV_TAP
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547103 DOLCYTAP
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649 HANSMAN7
648 HANSMAN8
1440 OAKLND1
1413 N_BRIGDEN
1447 963S_HV
831 SEDALIA1
547039 ROSLYN_TAP
1438 LANFIN1
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19471 MONITOR9
1472 MONITOR8
1471 MONITOR7
1459 EXCEL7
1474 OYEN 7
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549051
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1507 144.998
1524 26.310
1640 146.830
1650 146.968
1649 146.962
1507 144.998
1485 144.693
1449 144.202
1533 145.351
1540 145.448
1534 145.372
1461 144.362
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1368 143.072
1445 144.139
1392 143.407
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1397 143.474
1389 143.364
1379 143.232
1381 143.264
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1337 248.079
1466 251.192
1679 256.300
1721 257.305
1736 257.666
1685 256.449
1574 253.774
1701 256.818
1584 254.015
1574 253.788
1710 257.040
1700 256.812
1539 145.435
1498 251.959
1449 144.202
1507 144.998
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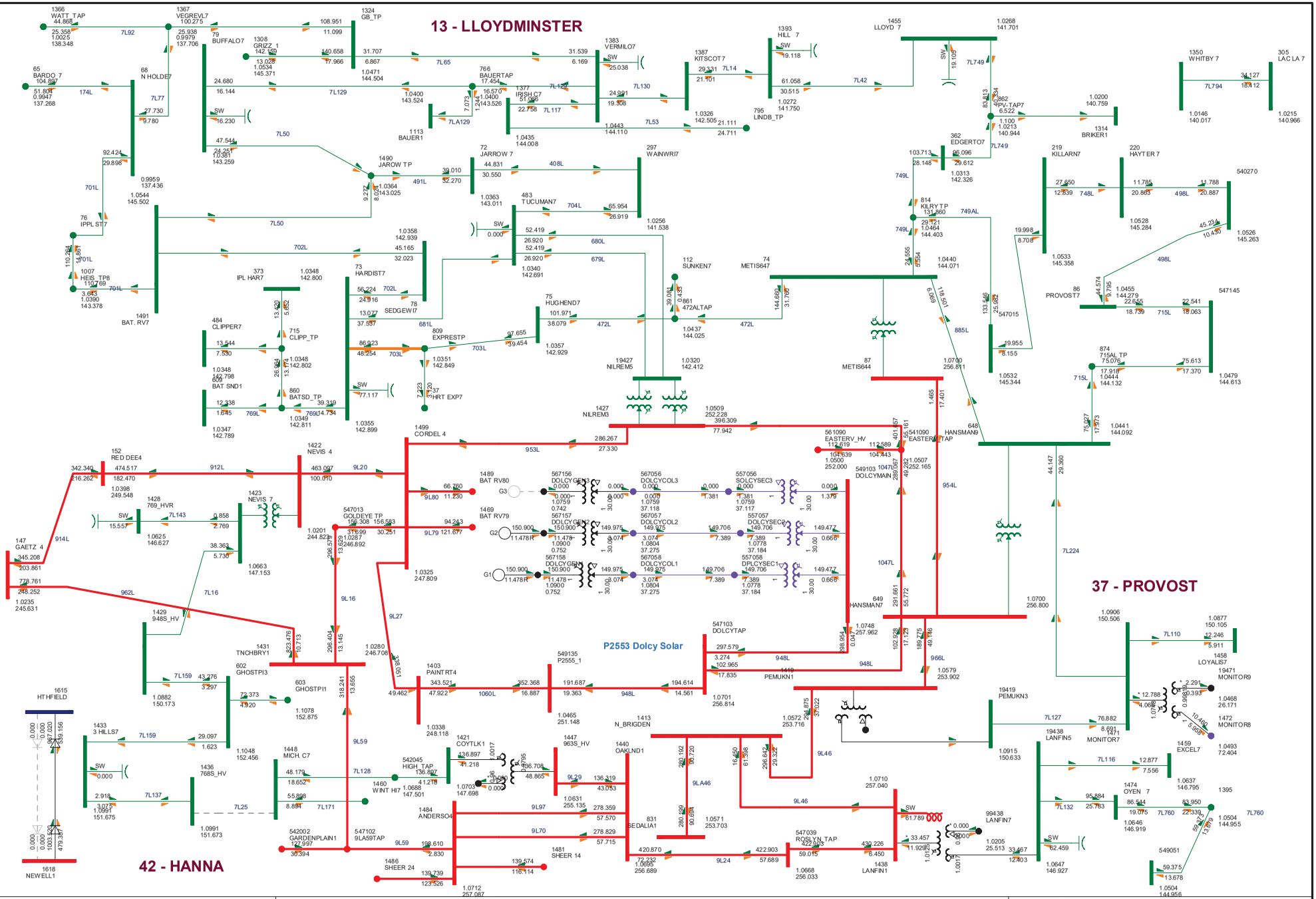
1507 144.998
1507 144.998


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
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1367 VEGREVL7 100.275
1324 GB_TP
65 BARDO_7 104.897
68 N HOLDE7
1308 GRIZZ_1 142.150
766 BAUERTAP 17.454
1383 VERMILO7
1387 KITSCOT7 29.331
1393 HILL_7
1455 LLOYD 7
1350 WHITBY 7
305 LAC LA 7
1113 BAUER1
1377 IRISH_C7 51.696
795 LINDB_TP
362 EDGERTO7
1314 BRIKER1
1490 JAROW TP
72 JARROW 7
297 WAINWRI7
219 KILLARN7
220 HAYTER 7
540270
76 IPPL ST7
1007 HEIS_TP8 110.769
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
483 TUCUMAN7
814 KILRY TP 131.960
484 CLIPPER7
715 CLIPP_TP
809 EXPRESTP
75 HUGHEND7
112 SUNKEN7
74 METIS647
86 PROVOST7
547145
547015
874 715AL TP 75.076
1499 CORDEL 4
1427 NILREM3
19427 NILREM5
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561090 EASTERV_HV 112.619
541090 EASTERV_TAP
648 HANSMAN8
549103 1047L DOLCYMAIN
152 RED DEE4
1422 NEVIS 4
1423 NEVIS 7
1428 769_HVR
547013 GOLDEYE TP 156.308 156.583
1489 BAT RV80
1469 BAT RV79
567156 DOLCYGEN3
567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 DOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
147 GAETZ 4
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1403 PAINTRT4
549135 P2555_1
547103 DOLCYTAP
649 HANSMAN7
1419 PEMUKN1
1615 HTHFIELD
1433 3 HILLS7
1436 768S_HV
1448 MICH. C7
542045 HIGH_TAP 136.897
1460 WINT HI7
1421 COYTLK1
1447 963S_HV
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831 SEDALIA1
542002 GARDENPLAIN1
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1481 SHEER 14
1486 SHEER 24
1618 NEWELL1
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19438 LANFIN5
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715L
769L
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9L70
9L46
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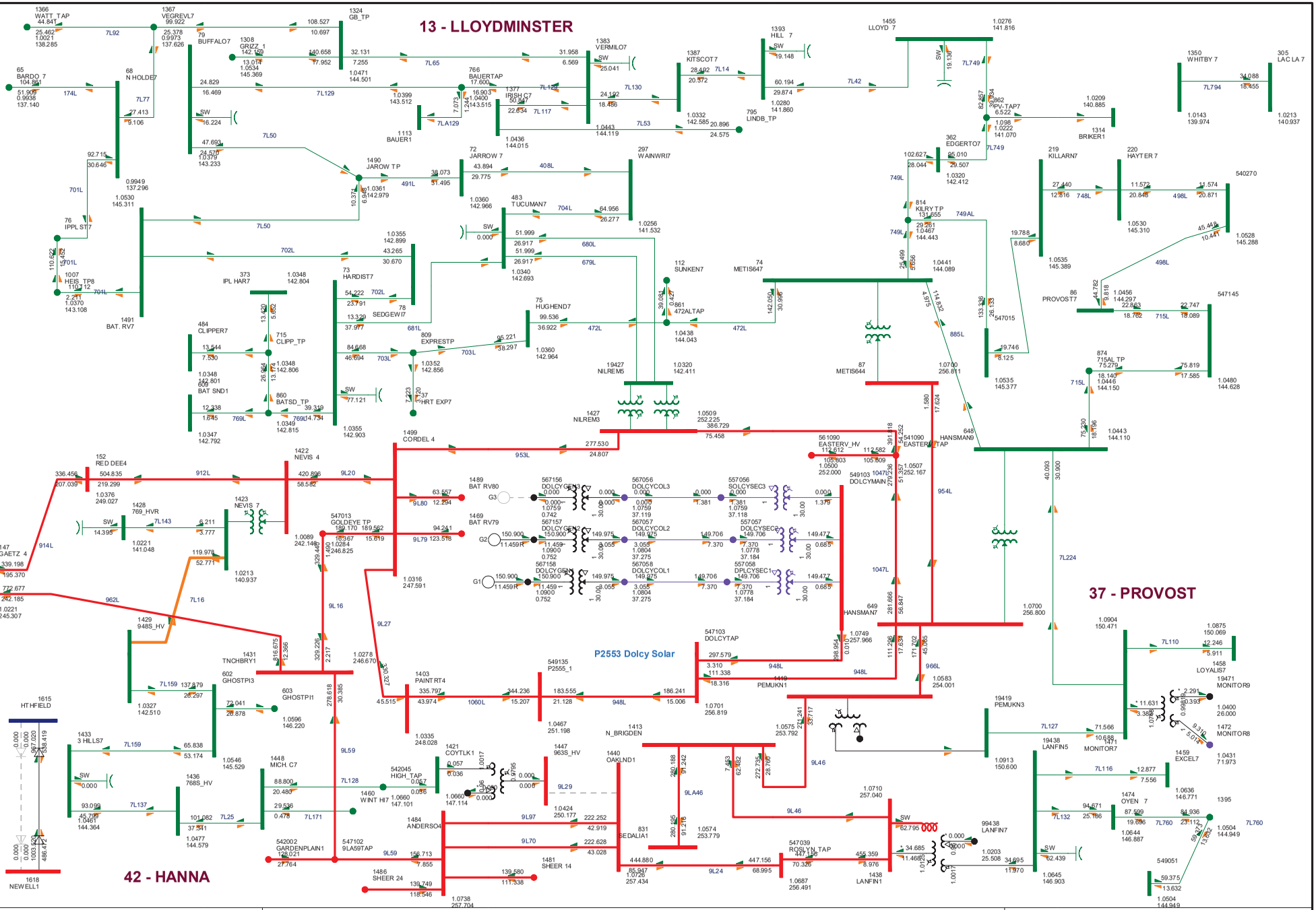
9L20
9L80
9L79
9LA46
P2553 Dolcy Solar Battery MPC
FIGURE A3.3-17 N-1: 7L25 (ROWLEY 768S TO MICHICHI CREEK 802S)
2028 WINTER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

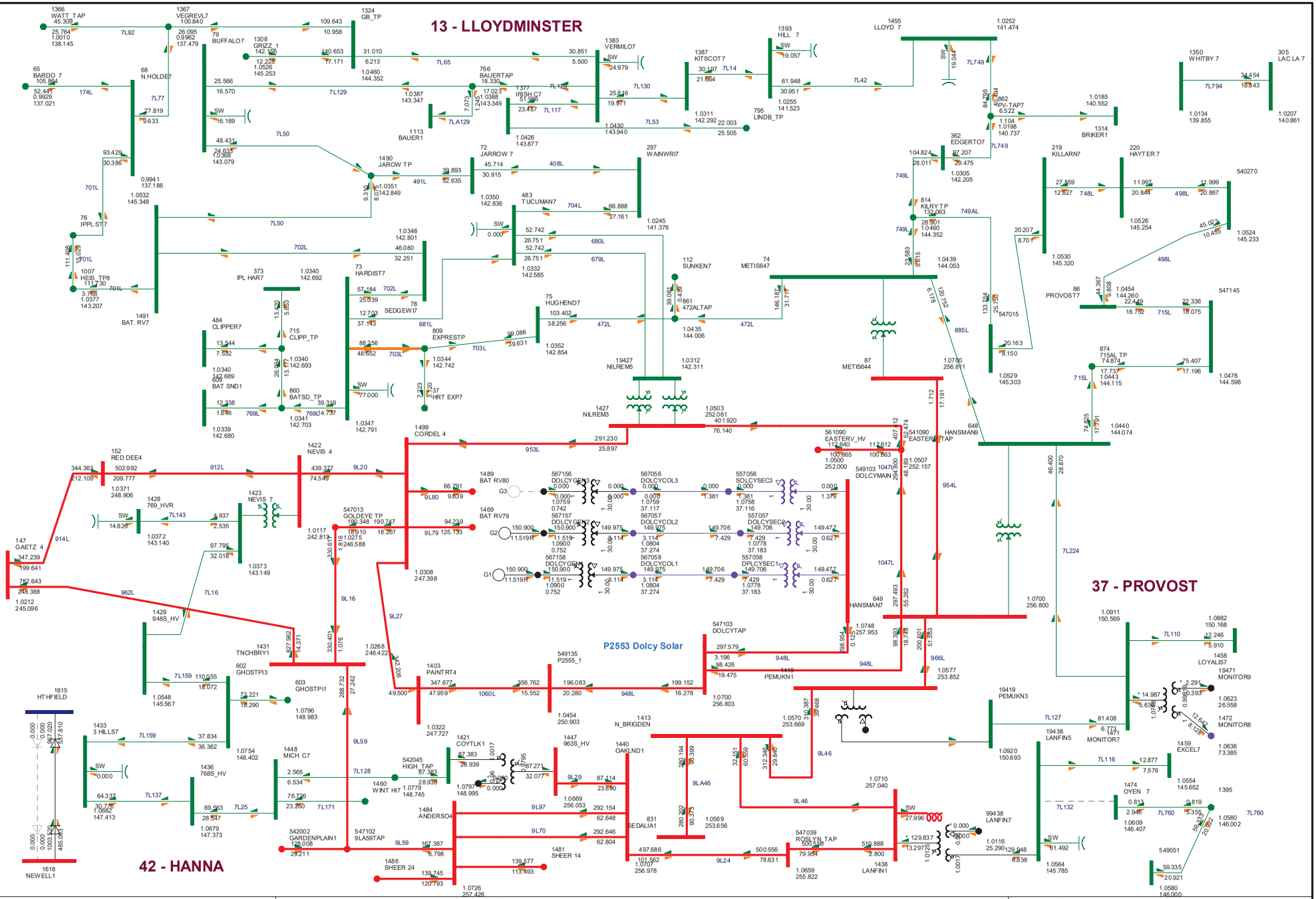


P2553 Dolcy Solar Battery MPC

FIGURE A3.3-18 N-1: 9L29 (OAKLAND 946S TO COYOTE LAKE 963S)
2028 WINTER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

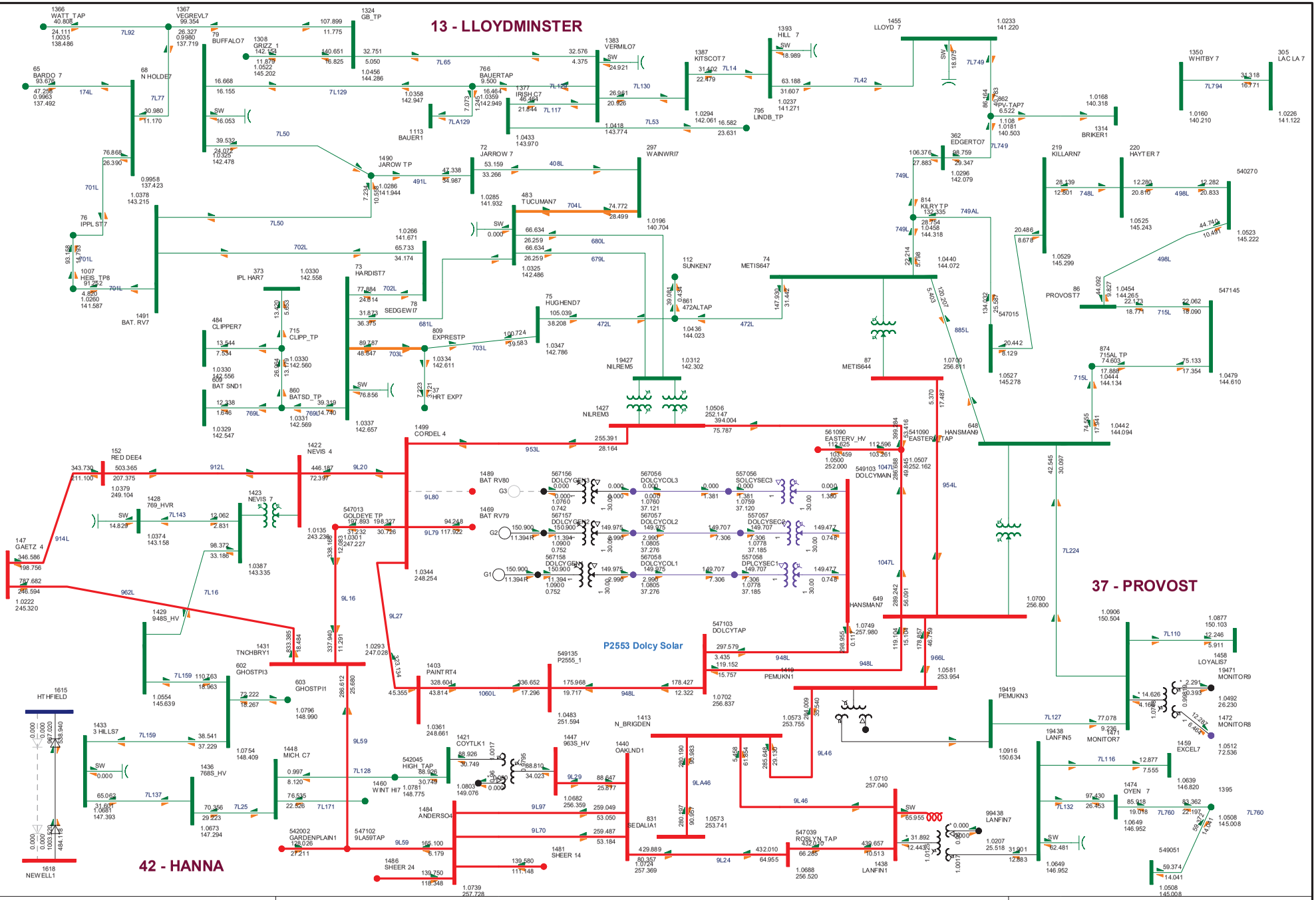


P2553 Dolcy Solar Battery MPC

FIGURE A3.3-19 N-1: 7L132 (LANFINE 959S TO OYEN 767S)
2028 WINTER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

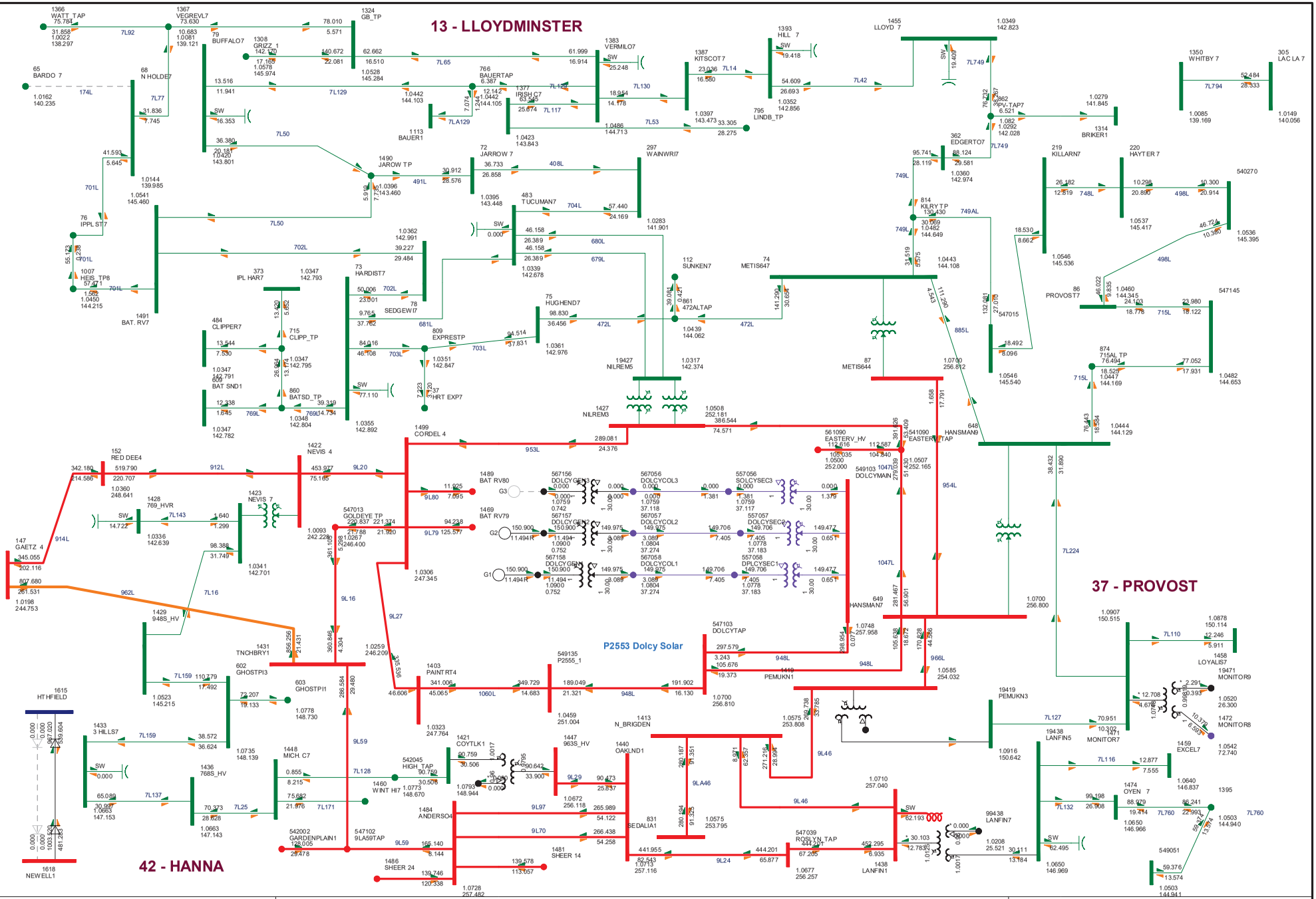


P2553 Dolcy Solar Battery MPC

FIGURE A3.3-20 N-1: 9L80 (BATTLE RIVER 757S TO CORDEL 755S)
2028 WINTER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

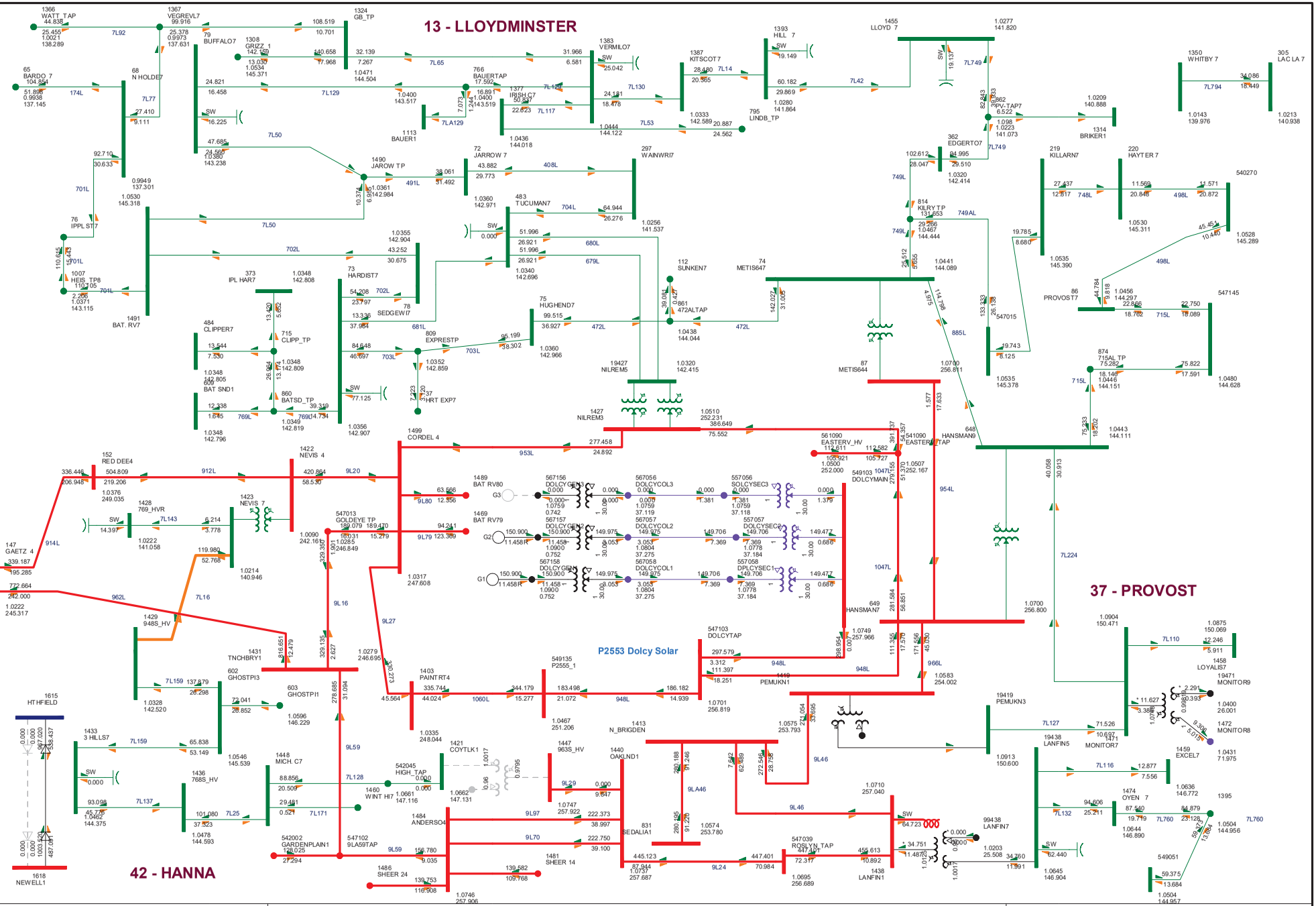


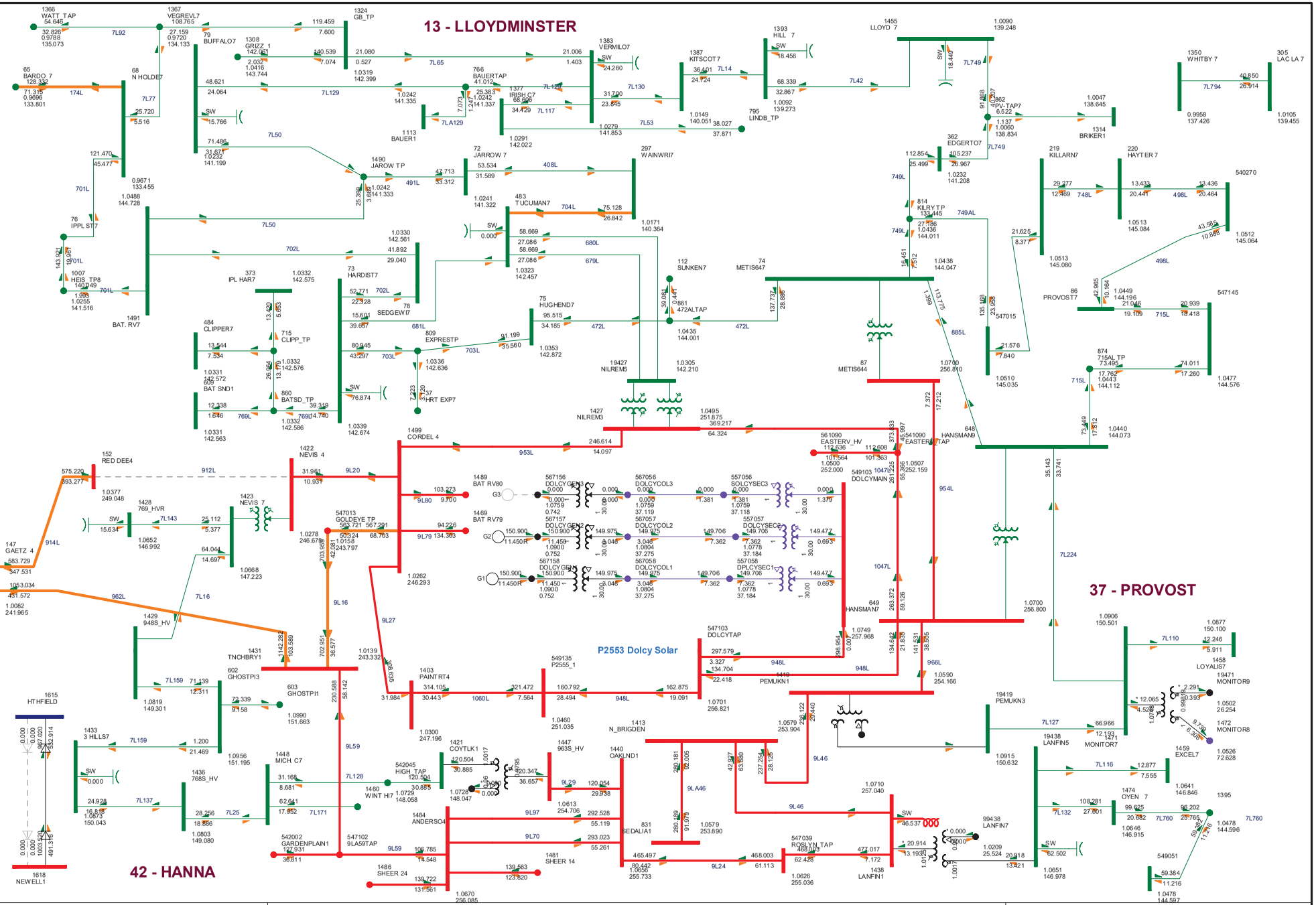
P2553 Dolcy Solar Battery MPC

FIGURE A3.3-21 N-1: 174L (NORTH HOLDEN 395S TO BARDO 197S)
2028 WINTER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
1366 WATT_TAP 44.838
1367 VEGREVL7 99.916
1324 GB_TP
1308 GRIZZ_1 142.120
1383 VERMILO7
1387 KITSCOT7 28.480
1393 HILL_7
1455 LLOYD_7
1350 WHITBY 7
305 LAC LA 7
65 BARDO_7 104.854
68 N HOLDE7
766 BAUERTAP 17.592
1377 IRISH_C7 50.847
795 LINDB_TP
1113 BAUER1
1490 JAROW TP
72 JARROW 7 43.882
297 WAINWRI7
483 TUCUMAN7
362 EDGERTO7
1314 BRIKER1
219 KILLARN7
220 HAYTER 7
540270
814 KILRY TP 131.553
76 IPPL ST7
1007 HEIS_TP8 110.705
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
484 CLIPPER7
715 CLIPP_TP
605 BAT SND1
860 BATSD_TP
809 EXPRESTP
75 HUGHEND7 99.515
112 SUNKEN7
74 METIS647
547015
86 PROVOST7
547145
874 715AL TP 75.282
1499 CORDEL 4
1427 NILREM3
19427 NILREM5
87 METIS644
561090 EASTERV_HV 112.511
541090 EASTERV_TAP
648 HANSMAN8
152 RED DEE4 504.809
1422 NEVIS 4
1423 NEVIS 7
1428 769_HVR
147 GAETZ 4 339.187
772.664 242.000
1429 948S_HV
1489 BAT RV80
1469 BAT RV79
567156 DOLCYGEN3
567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 DOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
549103 1047L DOLCYMAIN
547013 GOLDEYE TP 189.079 189.470
547103 DOLCYTAP
549135 P2555_1
1403 PAINTRT4
649 HANSMAN7
1419 PEMUKN1
19419 PEMUKN3
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1615 HTHFIELD
1433 3 HILLS7
1436 768S_HV
1448 MICH_C7
1460 WINT HI7
542045 HIGH_TAP
1421 COYTLK1
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
1484 ANDERSO4
831 SEDALIA1
542002 GARDENPLAIN1 128.025
547102 9LA59TAP
547039 ROSLYN_TAP 447.401
1438 LANFIN1
99438 LANFIN7
19438 LANFIN5
1471 MONITOR7
1472 MONITOR8
1474 OYEN 7
1459 EXCEL7
1458 LOYALIS7
19471 MONITOR9
1486 SHEER 24
1481 SHEER 14
1618 NEWELL1
549051
914L
962L
912L
953L
954L
1047L
948L
966L
7L16
9L16
9L27
9L59
9L97
9L70
9L24
9L46
9LA46
7L224
7L760
P2553 Dolcy Solar Battery MPC
FIGURE A3.3-22 N-1: 963S T1 (COYOTE LAKE 963S TRANSFORMER T1)
2028 WINTER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

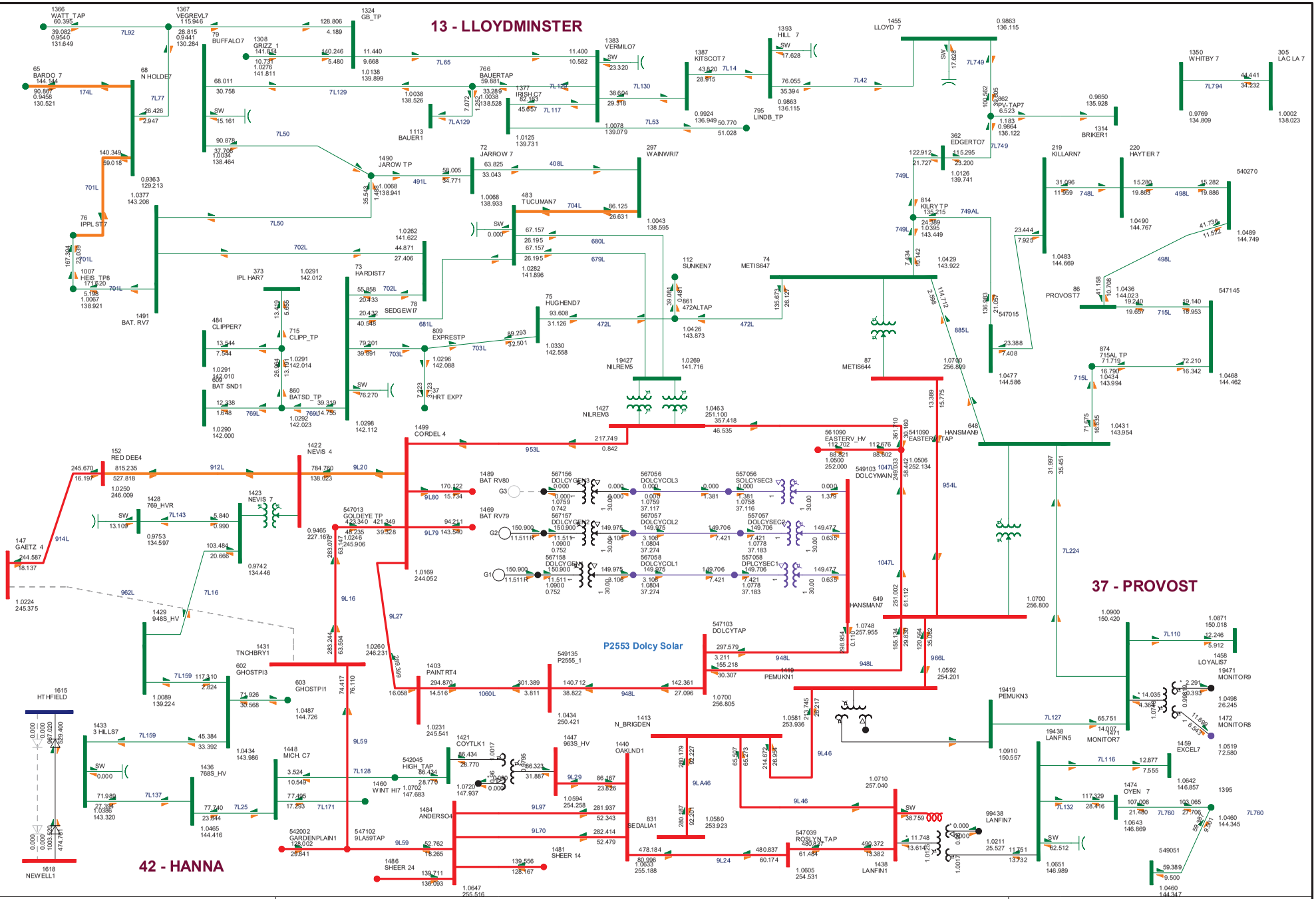


P2553 Dolcy Solar Battery MPC

FIGURE A3.3-23 N-1: 912L (NEVIS 766S TO RED DEER 63S)
2028 WINTER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

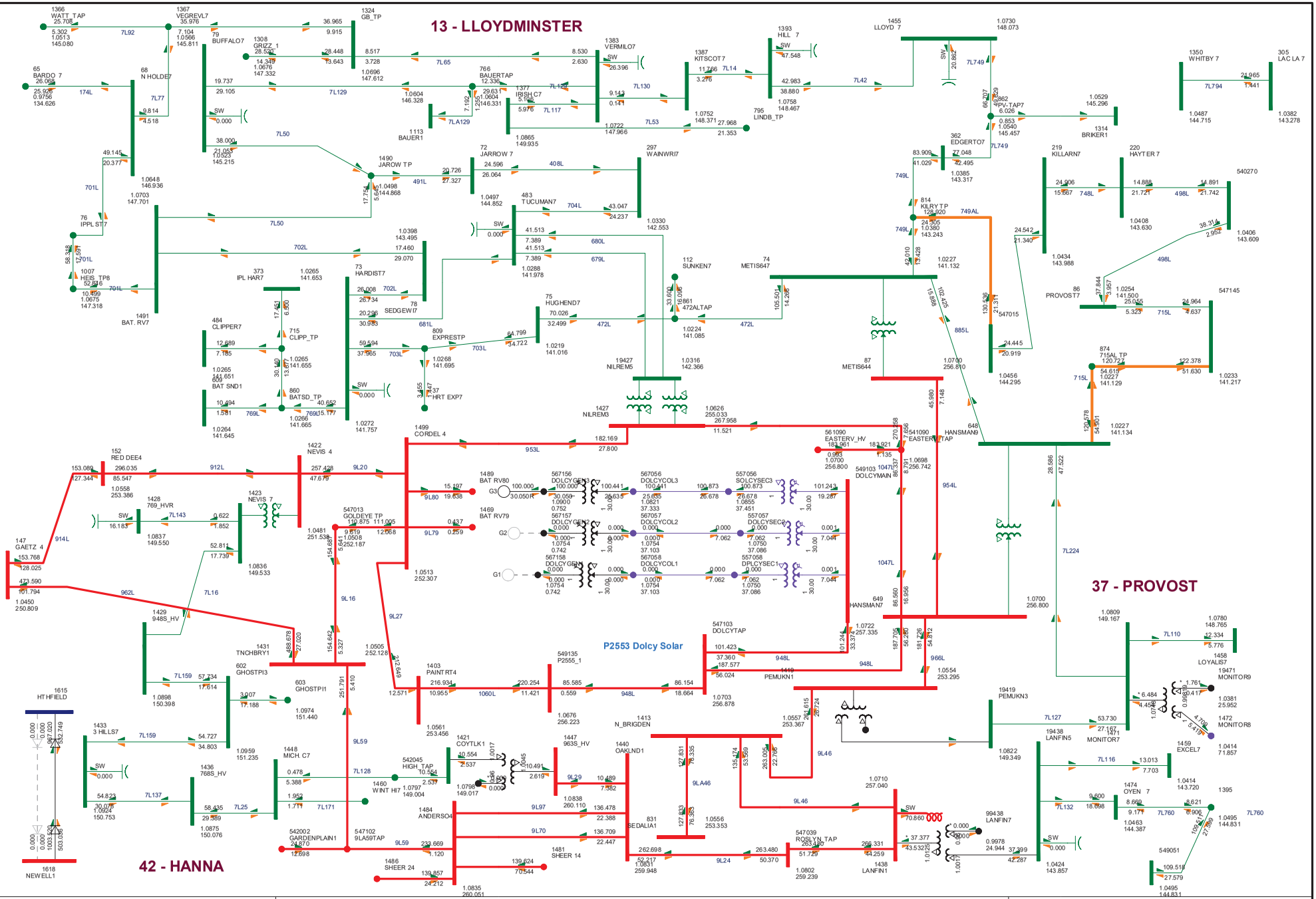
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000



P2553 Dolcy Solar Battery MPC

FIGURE A3.3-24 N-1: 962L/9L62 (TINCHEBRAY 972S TO GAETZ 87S)
2028 WINTER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

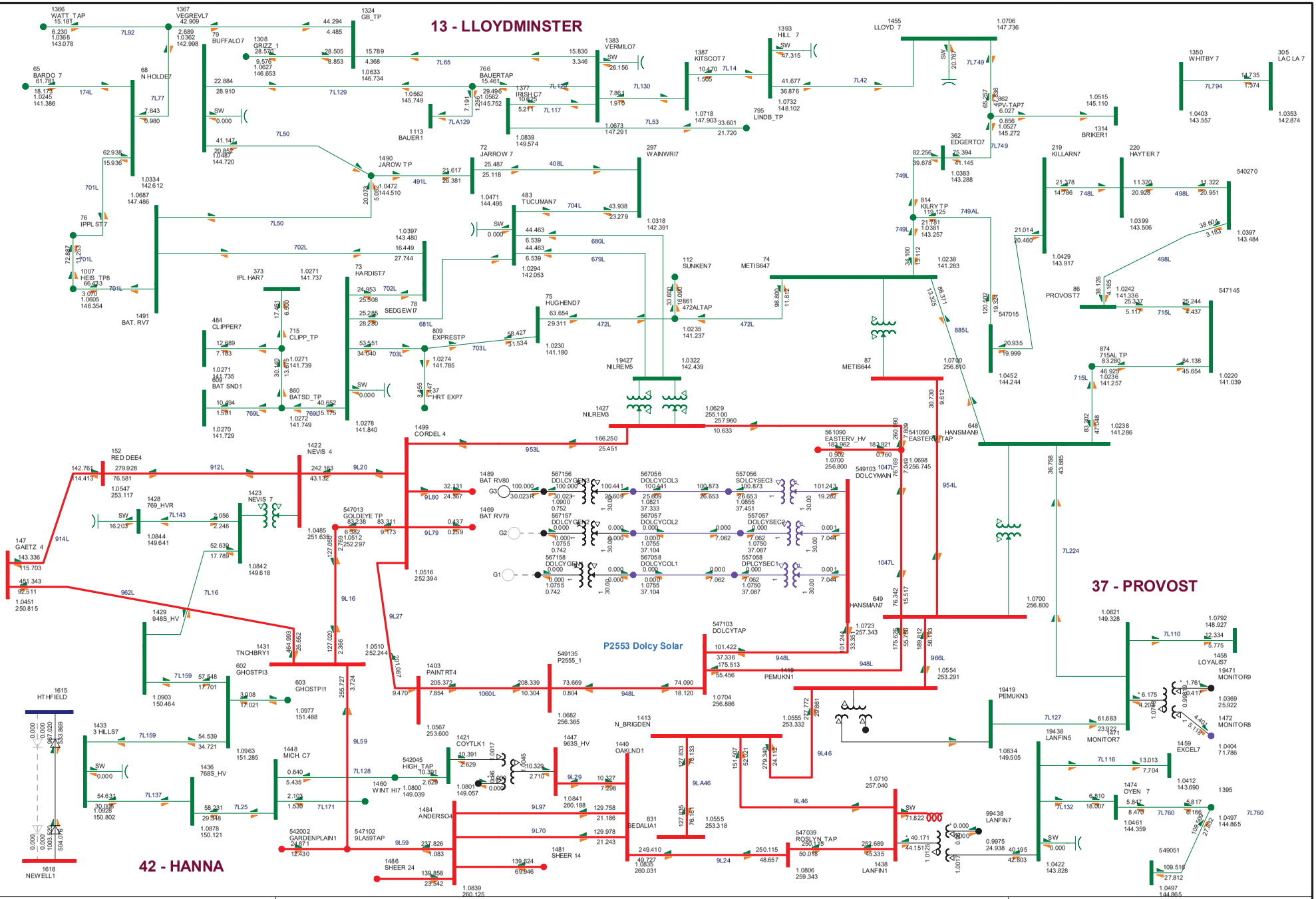


P2553 Dolcy Solar Battery MPC

FIGURE A3.4-0-N-0: NORMAL OPERATION
2028 SUMMER PEAK LG (POST-CONNECTION), Pre-Curtailment
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
1366 WATT_TAP 15.181
1367 VEGREVL7 42.909
1324 GB_TP
65 BARDO_7 61.784
68 N HOLDE7
79 BUFFALO7
1308 GRIZZ_1 28.574
766 BAUERTAP 15.461
1383 VERMILO7
1387 KITSCOT7
1393 HILL_7
1455 LLOYD 7
1350 WHITBY 7
305 LAC LA 7
1113 BAUER1
1377 IRISH_C7
795 LINDB_TP
362 EDGERTO7
1314 BRIKER1
1315 PV-TAP7 6.027
1490 JAROW TP
72 JARROW 7
297 WAINWRI7
483 TUCUMAN7
76 IPPL ST7
1007 HEIS_TP8
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
484 CLIPPER7
715 CLIPP_TP
809 EXPRESTP
HRT EXP7
75 HUGHEND7
112 SUNKEN7
74 METIS647
87 METIS644
814 KILRY TP
219 KILLARN7
220 HAYTER 7
540270
86 PROVOST7
547145
547015
874 715AL TP
152 RED DEE4
1422 NEVIS 4
1423 NEVIS 7
1428 769_HVR
147 GAETZ 4
1499 CORDEL 4
1427 NILREM3
19427 NILREM5
1489 BAT RV80
1469 BAT RV79
547013 GOLDEYE TP
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1403 PAINTRT4
549135 P2555_1
547103 DOLCYTAP
561090 EASTERV_HV
541090 EASTERV_TAP
549103 DOLCYMAIN
649 HANSMAN7
648 HANSMAN8
1615 HTHFIELD
1618 NEWELL1
1433 3 HILLS7
1436 768S_HV
1448 MICH. C7
1460 WINT HI7
542045 HIGH_TAP
1421 COYTLK1
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
831 SEDALIA1
1484 ANDERSO4
542002 GARDENPLAIN1
547102 9LA59TAP
1481 SHEER 14
1486 SHEER 24
547039 ROSLYN_TAP
1438 LANFIN1
99438 LANFIN7
19438 LANFIN5
19419 PEMUKN3
1449 PEMUKN1
1458 LOYALIS7
19471 MONITOR9
1472 MONITOR8
1471 MONITOR7
1459 EXCEL7
1474 OYEN 7
549051
914L
962L
912L
953L
954L
1047L
948L
966L
7L224
7L16
9L16
9L27
9L59
9L46
9L97
9L70
9L24
9L29
9L80
9L79
9L20
7L65
7L50
7L129
7L130
7L53
7L42
7L749
7L92
7L77
7L159
7L137
7L128
7L171
7L25
7L143
7L14
7L117
7L110
7L127
7L116
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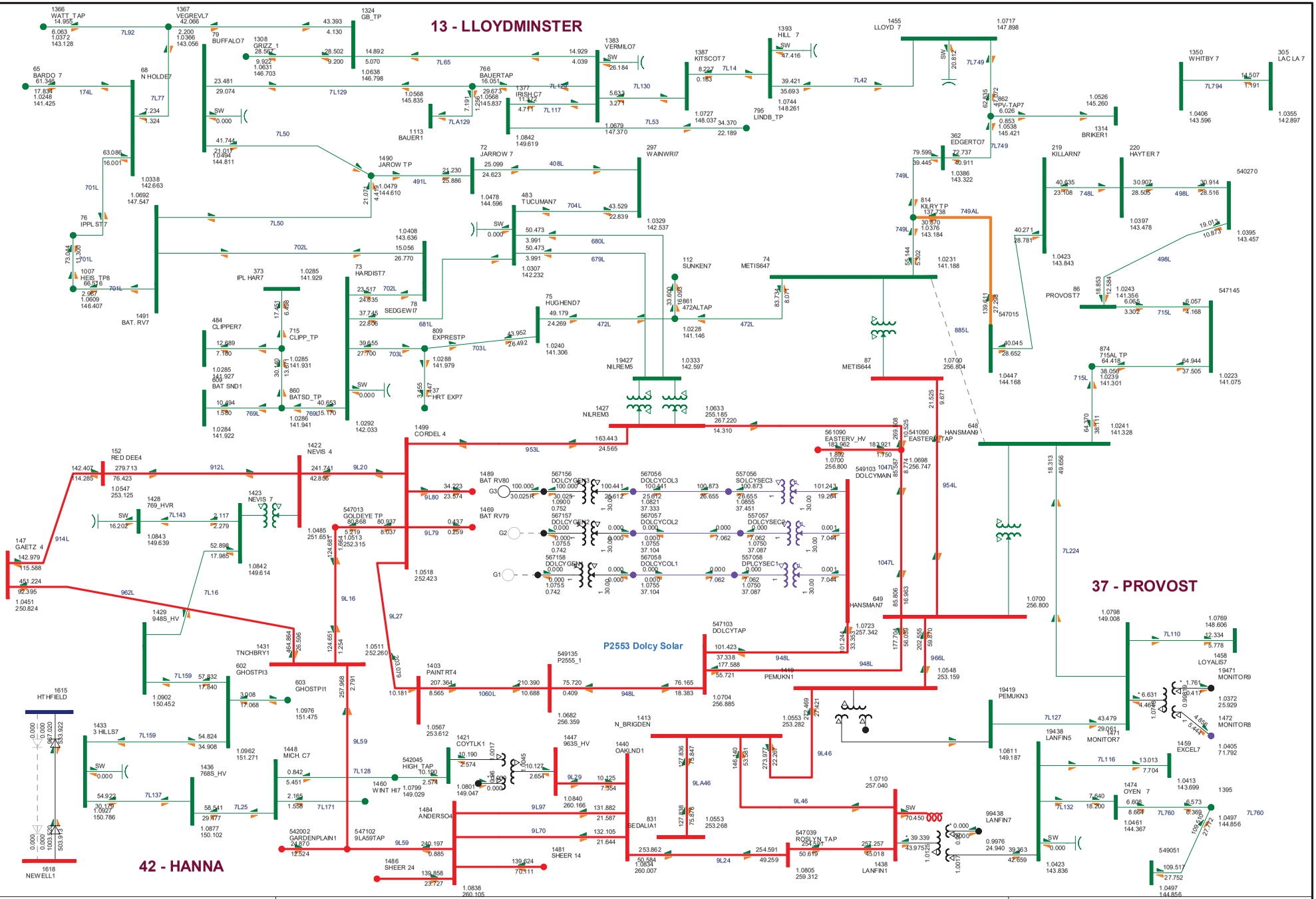
7L760
7L794
7L735
7L749
7L748
7L794
7L715
7L715
7L715

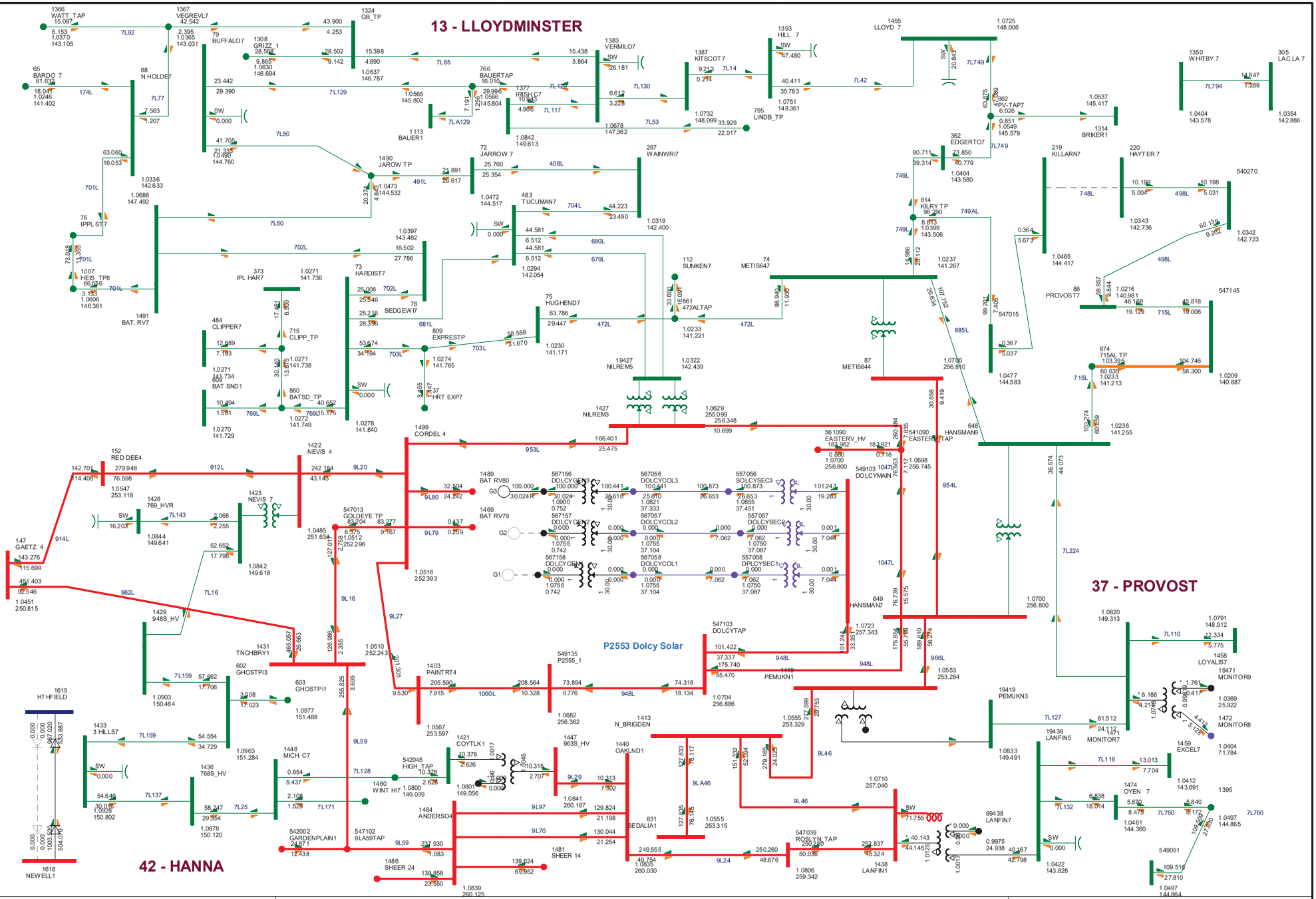


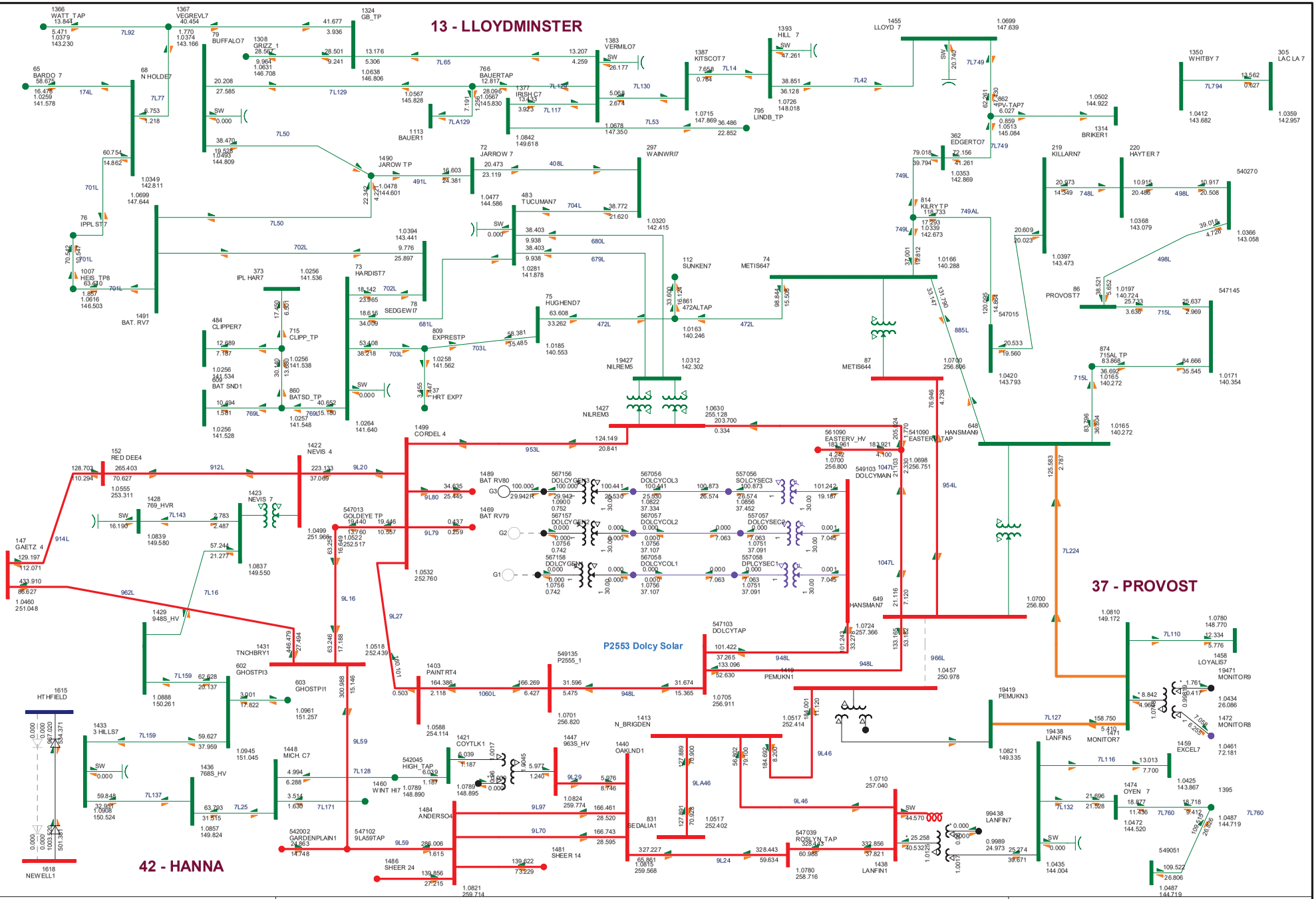
P2553 Dolcy Solar Battery MPC

FIGURE A3.4-2 N-1: 885L (METISKOW 648S TO HANSMAN LAKE 650S)
2028 SUMMER PEAK LG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
1366 WATT_TAP 15.097
1367 VEGREVL7 42.542
1324 GB_TP
1308 GRIZZ_1 28.562
1383 VERMILO7
1387 KITSCOT7 9.213
1393 HILL_7 17.480
1455 LLOYD_7
1350 WHITBY 7
305 LAC LA 7
65 BARDO_7 61.632
68 N HOLDE7
766 BAUERTAP 16.010
1377 IRISH_C7 10.443
1113 BAUER1
795 LINDB_TP
362 EDGERTO7 73.850
1314 BRIKER1
219 KILLARN7
220 HAYTER 7
540270
72 JARROW 7 25.760
1490 JAROW TP
297 WAINWRI7
483 TUCUMAN7
814 KILRY TP 98.290
76 IPPL ST7
1007 HEIS_TP8 66.556
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
112 SUNKEN7
74 METIS647
86 PROVOST7
547145
484 CLIPPER7
715 CLIPP_TP
809 EXPRESTP
75 HUGHEND7 63.786
472ALTAP
547015
874 715AL_TP 103.395
715L
869 BAT SND1
860 BATSD_TP 40.652
HRT EXP7
19427 NILREM5
87 METIS644
1427 NILREM3
1499 CORDEL 4
561090 EASTERV_HV 183.962
541090 EASTERV_TAP
648 HANSMAN8
152 RED DEE4 279.948
1422 NEVIS 4 242.184
1423 NEVIS 7
1428 769_HVR
1489 BAT RV80
1469 BAT RV79
549103 1047L DOLCYMAIN
567156 DOLCYGEN3
567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 DOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
547013 GOLDEYE TP
147 GAETZ 4
914L
962L
912L
953L
954L
1047L
7L16
7L224
649 HANSMAN7
547103 DOLCYTAP
1449 PEMUKN1
948L
966L
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1403 PAINTRT4
549135 P2555_1
1615 HTHFIELD
1618 NEWELL1
1433 3 HILLS7
1436 768S_HV
1448 MICH_C7
1460 WINT HI7
542045 HIGH_TAP
1421 COYTLK1
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
831 SEDALIA1
1484 ANDERSO4
542002 GARDENPLAIN1
547102 9LA59TAP
1486 SHEER 24
1481 SHEER 14
547039 ROSLYN_TAP
1438 LANFIN1
99438 LANFIN7
19438 LANFIN5
19419 PEMUKN3
1471 MONITOR7
1458 LOYALIS7
1459 EXCEL7
1474 OYEN 7
549051
1497 144.864
7L159
7L137
7L128
7L171
7L25
7L127
7L116
7L132
7L760
9L16
9L27
9L59
9L97
9L70
9L24
9L46
9LA46
9L29
P2553 Dolcy Solar Battery MPC
FIGURE A3.4-3 N-1: 748L (HAYTER 277S TO KILLARNEY LAKE 267S)
2028 SUMMER PEAK LG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025
Page 215 of 615
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

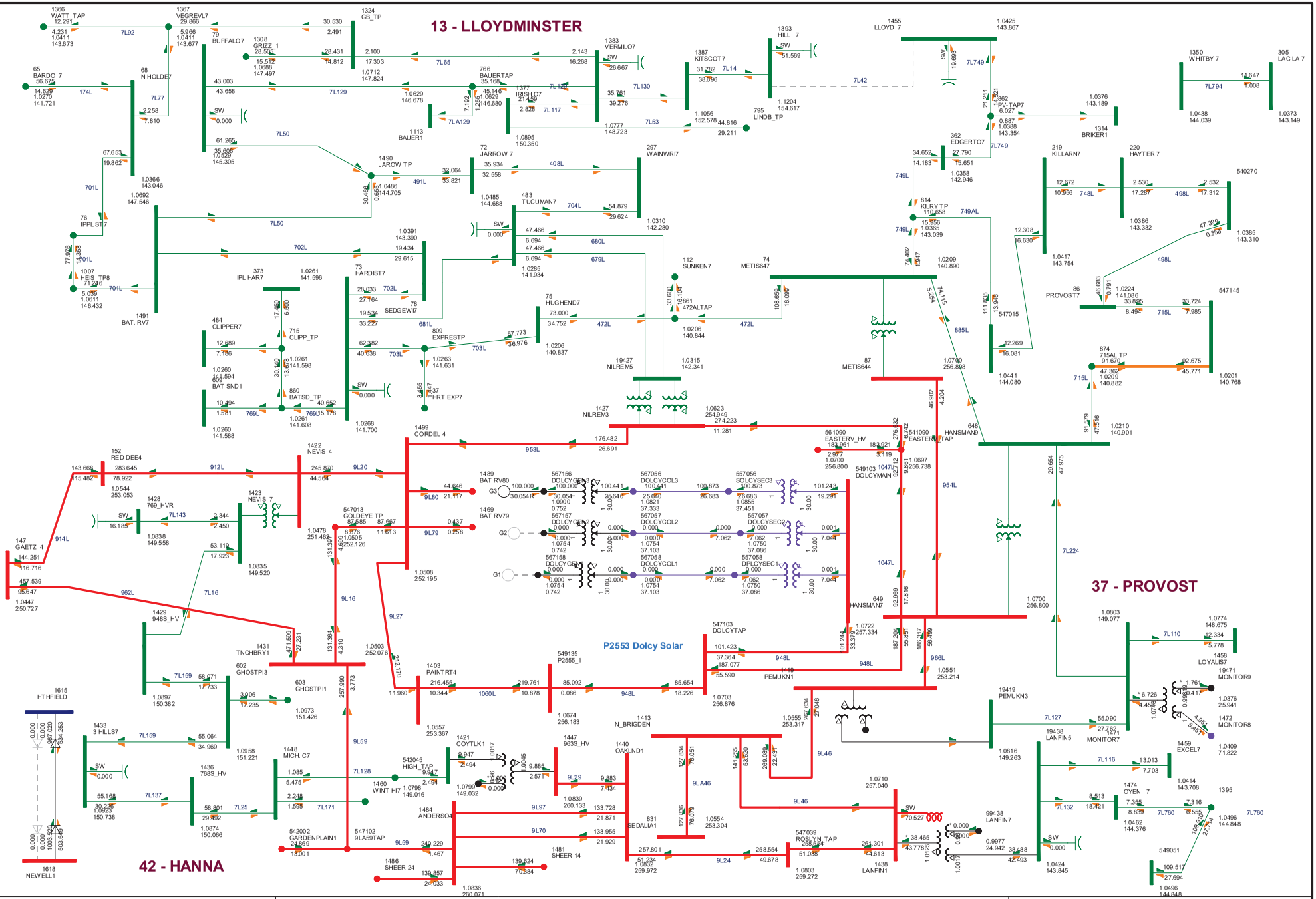


P2553 Dolcy Solar Battery MPC

FIGURE A3.4-4 N-1: 966L (HANSMAN LAKE 650S TO PEMUKAN 932S)
2028 SUMMER PEAK LG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

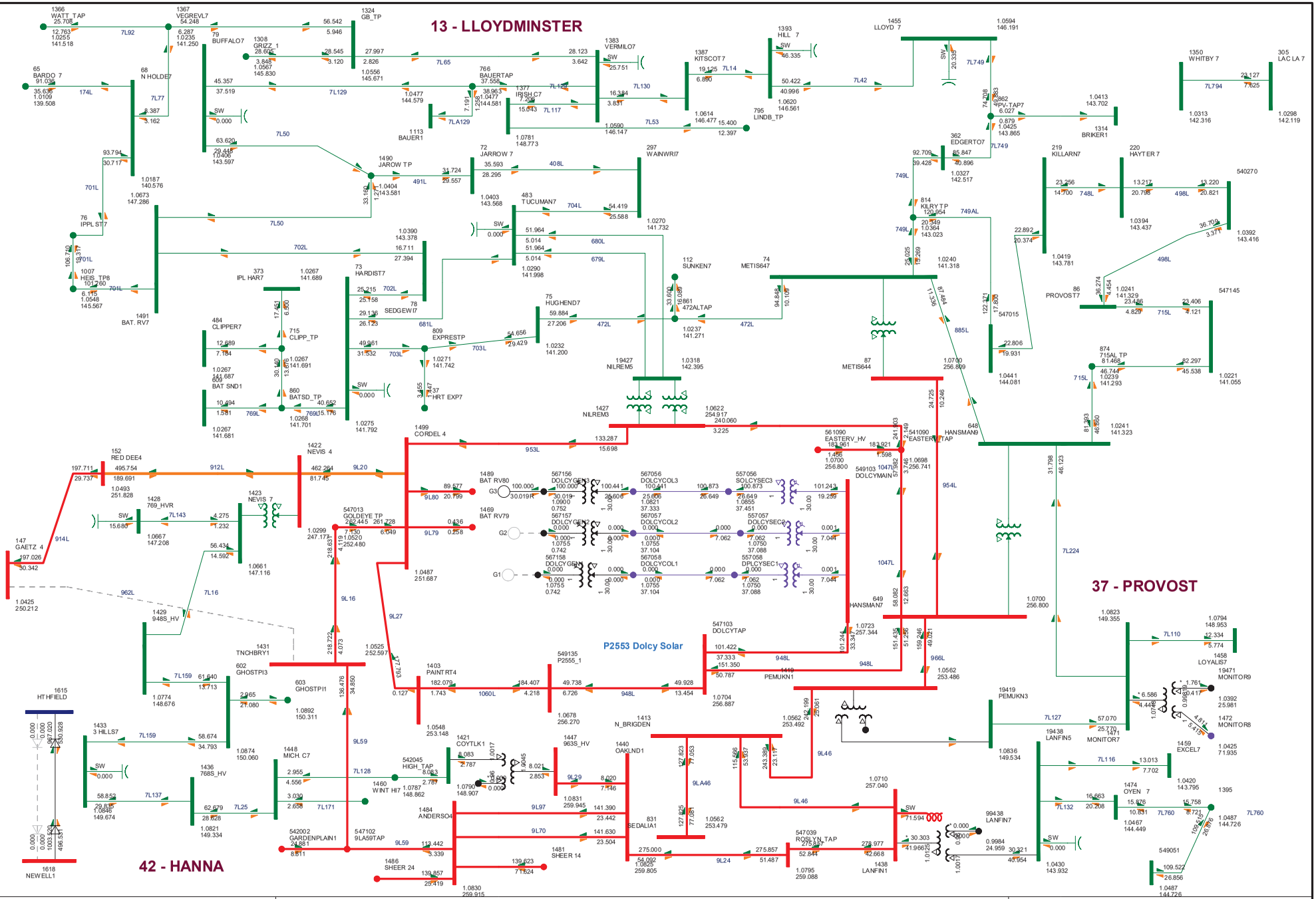


P2553 Dolcy Solar Battery MPC

FIGURE A3.4-5 N-1: 7L42 (HILL 751S TO LLOYDMINSTER 716S)
2028 SUMMER PEAK LG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

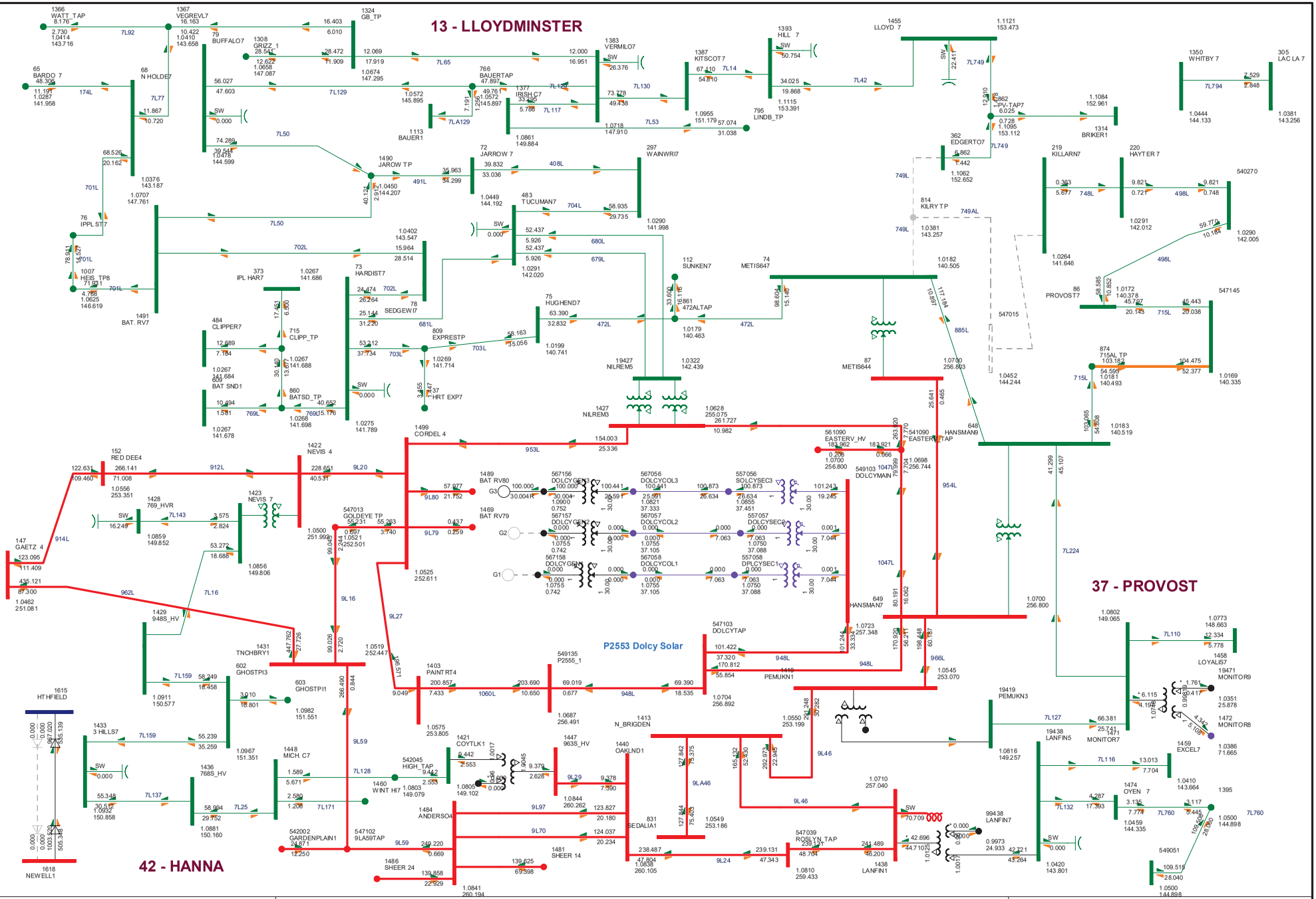


P2553 Dolcy Solar Battery MPC

FIGURE A3.4-6 N-1: 962L/9L62 (TINCHEBRAY 972S TO GAETZ 87S)
2028 SUMMER PEAK LG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
1366 WATT_TAP 8.176
1367 VEGREVL7 16.163
1324 GB_TP
65 BARDO 7 48.305
68 N HOLDE7
1308 GRIZZ 1 28.541
766 BAUERTAP 47.897
1383 VERMILO7
1387 KITSCOT7 67.410
1393 HILL 7
1455 LLOYD 7
1.1121 153.473
1350 WHITBY 7
305 LAC LA 7
1113 BAUER1
1377 IRISH_C7 33.255
795 LINDB_TP
362 EDGERTO7
1314 BRIKER1
1.1084 152.961
1.0444 144.133
1.0381 143.256
1490 JAROW TP
72 JARROW 7 39.832
297 WAINWRI7
483 TUCUMAN7
76 IPPL ST7
1007 HEIS_TP8 71.331
1491 BAT. RV7
1.0402 143.547
78 SEDGEWI7
373 IPL HAR7
73 HARDIST7
484 CLIPPER7
715 CLIPP_TP
809 EXPRESTP
860 BATSD_TP
HRT EXP7
75 HUGHEND7 63.390
112 SUNKEN7
74 METIS647
814 KILRY TP
219 KILLARN7
220 HAYTER 7
540270
86 PROVOST7
547145
547015
874 715AL TP 103.182
1.0700 256.803
87 METIS644
1.0452 144.244
1.0169 140.335
1.0183 140.519
19427 NILREM5
1427 NILREM3
1.0628 255.075 261.727
1499 CORDEL 4
1422 NEVIS 4
152 RED DEE4
147 GAETZ 4
1428 769_HVR
1423 NEVIS 7
547013 GOLDEYE TP
1489 BAT RV80
1469 BAT RV79
567156 DOLCYGEN3
567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 DOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
561090 EASTERV_HV
541090 EASTERV_TAP
549103 1047L DOLCYMAIN
HANSMAN8
649 HANSMAN7
1.0700 256.800
1.0802 149.065
1.0773 148.663
1458 LOYALIS7
19471 MONITOR9
1.0351 25.878
1472 MONITOR8
1471 MONITOR7
1.0386 71.665
1459 EXCEL7
1.0410 143.664
1474 OYEN 7
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1.0500 144.898
549051
1.0420 143.801
1.0816 149.257
19438 LANFIN5
99438 LANFIN7
1438 LANFIN1
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1.0810 259.433
1.0841 260.194
1.0545 253.070
1.0704 256.892
1.0723 257.348
1.0550 253.199
1.0687 256.491
1.0575 253.805
1.0519 252.447
1.0525 252.611
1.0500 251.992
1.0856 149.806
1.0859 149.852
1.0911 150.577
1.0967 151.351
1.0982 151.551
1.0803 149.079
1.0805 149.102
1.0845 149.045
1.0881 150.160
1.0932 150.858
1.0841 260.194
1.0462 251.081
1.0267 141.678
1.0268 141.698
1.0275 141.789
1.0269 141.714
1.0199 140.741
1.0179 140.463
1.0322 142.439
1.0290 141.998
1.0291 142.012
1.0264 141.646
1.0172 140.378
1.0181 140.493
1.0290 142.005
1.0182 140.505
1.0381 143.257
1.0376 143.187
1.0707 147.761
1.0267 141.686
1.0267 141.684
1.0267 141.688
1.0450 144.207
1.0449 144.192
1.0291 142.020
1.0718 147.910
1.0861 149.884
1.0572 145.895
1.0572 145.897
1.0955 151.179
1.1115 153.391
1.0862 152.652
1.0728 153.112
1.0862 153.026
1.0478 144.599
1.0414 143.716
1.0410 143.658
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1.0598 147.207
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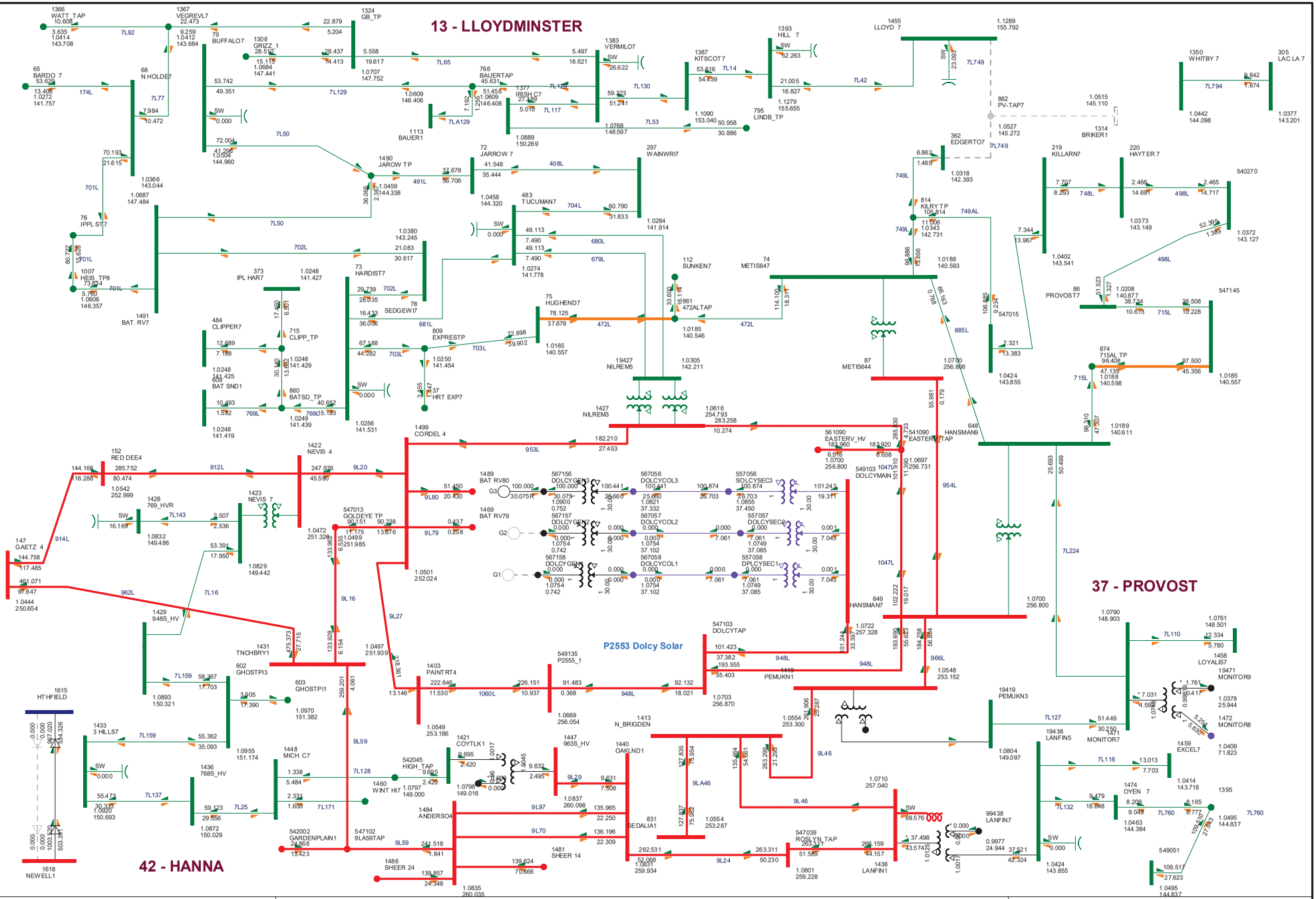
1.0603 147.020
1.0603 147.020


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
1366 WATT_TAP 10.605
1367 VEGREVL7 22.473
1324 GB_TP
65 BARDO_7 53.629
68 N HOLDE7
79 BUFFALO7
1308 GRIZZ_1 28.512
766 BAUERTAP 45.631
1383 VERMILO7
1387 KITSCOT7 53.616
1393 HILL_7 52.263
1455 LLOYD 7 1.1289 155.792
795 LINDB_TP
1113 BAUER1
1377 IRISH_C7 27.449
1490 JAROW TP
72 JARROW 7 41.548
297 WAINWRI7
483 TUCUMAN7
76 IPPL ST7
1007 HEIS_TP8 73.334
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
484 CLIPPER7
715 CLIPP_TP
809 EXPRESTP
860 BATSD_TP
1499 CORDEL 4
1422 NEVIS 4
152 RED DEE4
1423 NEVIS 7
1428 769_HVR
147 GAETZ 4
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1403 PAINTRT4
1421 COYTLK1
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
1615 HTHFIELD
1618 NEWELL1
1433 3 HILLS7
1436 768S_HV
1448 MICH. C7
1460 WINT HI7
1484 ANDERSO4
1486 SHEER 24
1481 SHEER 14
831 SEDALIA1
1438 LANFIN1
1427 NILREM3
1489 BAT RV80
1469 BAT RV79
112 SUNKEN7
74 METIS647
87 METIS644
1419 PEMUKN1
1458 LOYALIS7
1471 MONITOR7
1472 MONITOR8
1459 EXCEL7
1474 OYEN 7
1395
1350 WHITBY 7
305 LAC LA 7
219 KILLARN7
220 HAYTER 7
540270
814 KILRY TP
862 PV-TAP7
362 EDGERTO7
1314 BRIKER1
86 PROVOST7
874 715AL TP
547145
547015
561090 EASTERV_HV
541090 EASTERV_TAP
648 HANSMAN8
649 HANSMAN7
549103 DOLCYMAIN
547103 DOLCYTAP
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567156 DOLCYGEN3
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557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 DOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
547013 GOLDEYE TP
542045 HIGH_TAP
542002 GARDENPLAIN1
547102 9LA59TAP
547039 ROSLYN_TAP
99438 LANFIN7
19438 LANFIN5
19419 PEMUKN3
549051
1491 BAT. RV7
1427 NILREM3
19427 NILREM5
1472ALTAP
7L92
174L
7L77
7L50
7L129
7L65
7L50
7L117
7L53
7L42
7L749
7L794
7L749
701L
702L
703L
704L
679L
680L
681L
408L
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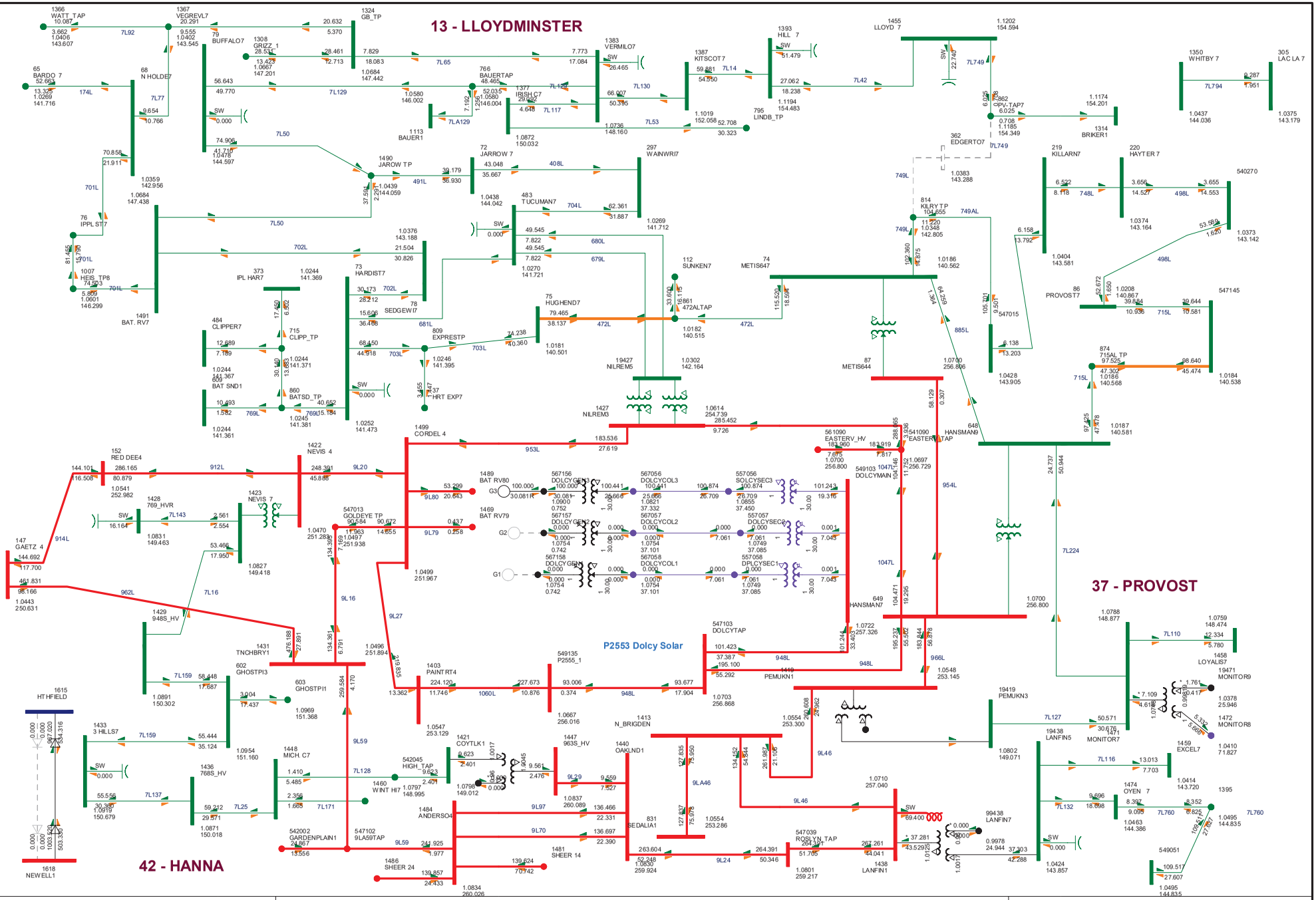
472L
885L
749L
748L
498L
715L
912L
914L
962L
953L
954L
1047L
948L
966L
7L16
9L16
9L27
9L20
9L80
9L79
9L59
9L97
9L70
9L29
9L46
9LA46
9L24
7L159
7L143
7L128
7L137
7L171
7L25
7L110
7L127
7L116
7L132
7L760
7L224
P2553 Dolcy Solar Battery MPC
FIGURE A3.4-8 N-1: 749L/7L749 (EDGERTON 899S TO LLOYDMINSTER 716S)
2028 SUMMER PEAK LG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

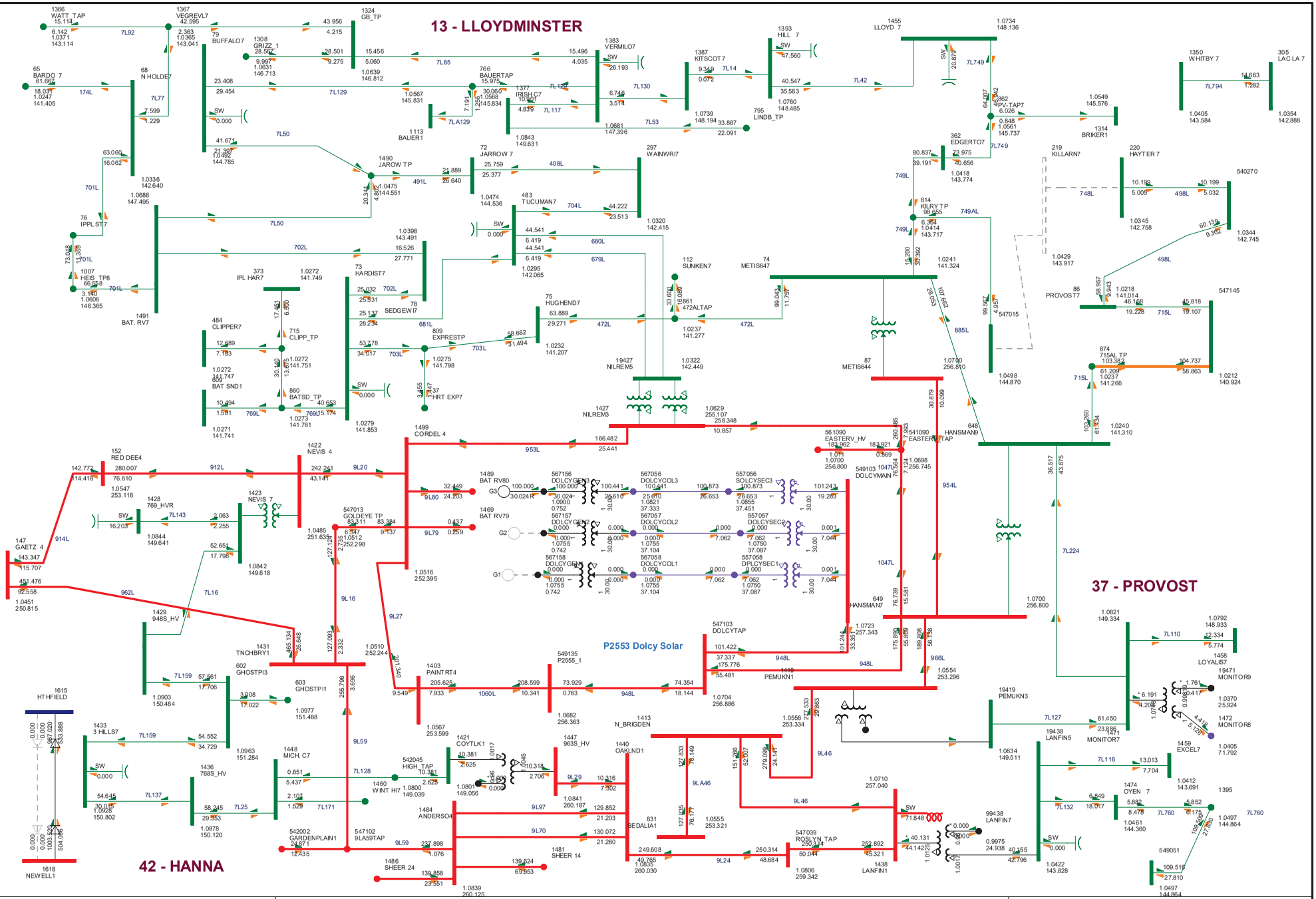


P2553 Dolcy Solar Battery MPC

FIGURE A3.4-9 N-1: EDGERTON 899S TRANSFORMER T1
2028 SUMMER PEAK LG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

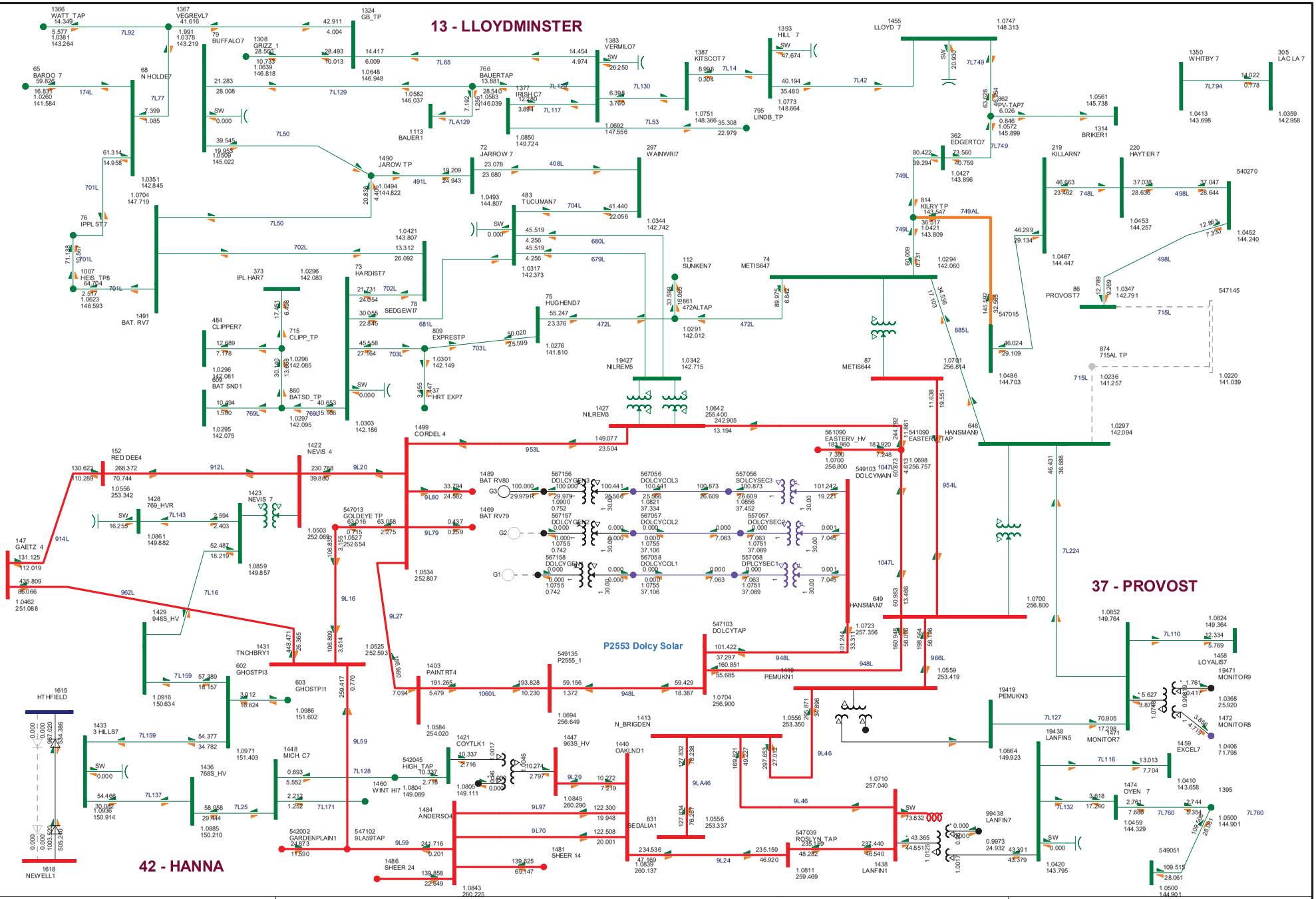
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000



P2553 Dolcy Solar Battery MPC

FIGURE A3.4-10 N-1: KILLARNEY LAKE 267S TRANSFORMER T1
2028 SUMMER PEAK LG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

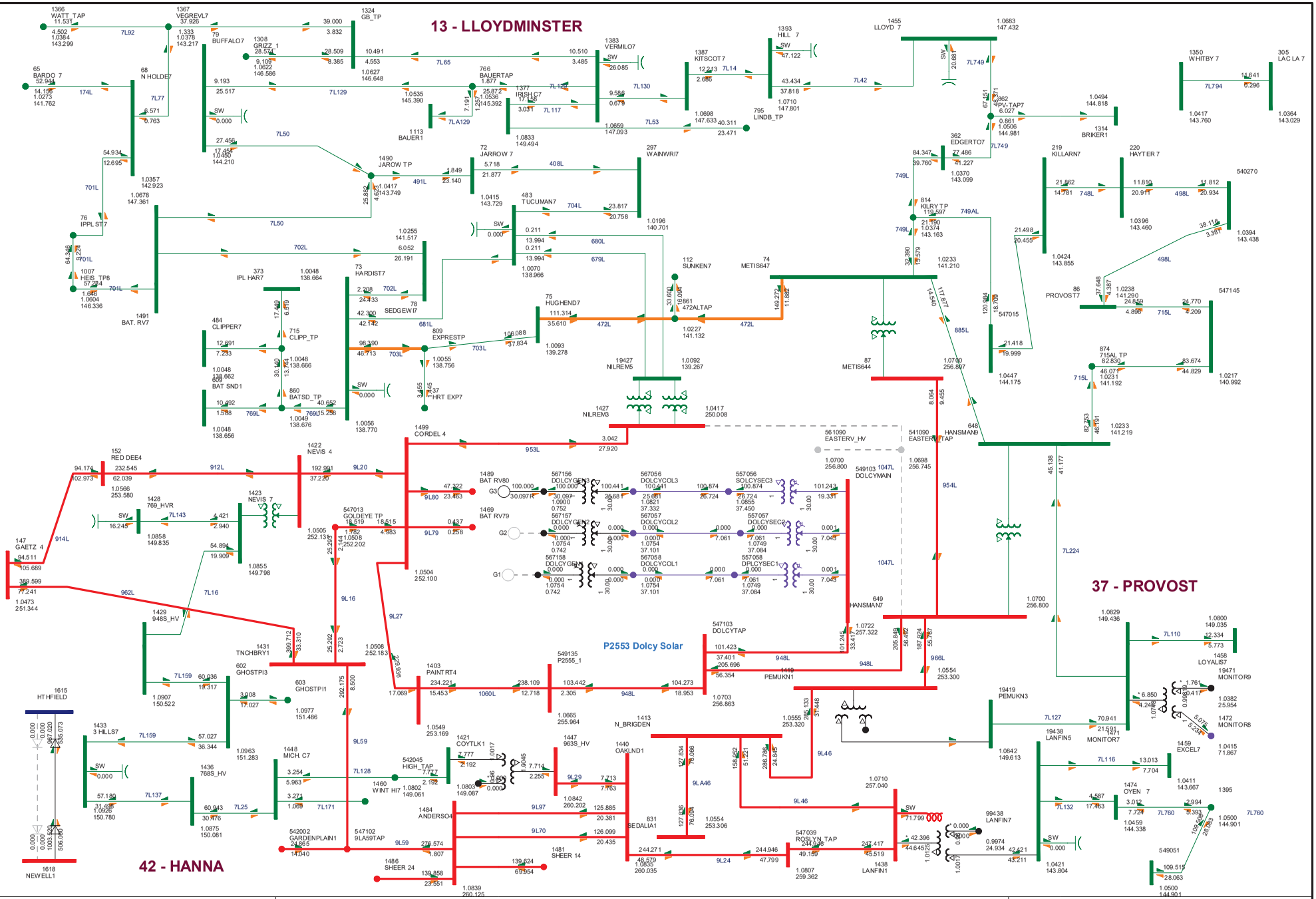


P2553 Dolcy Solar Battery MPC

FIGURE A3.4-11 N-1: 715L (HANSMAN LAKE 650S TO PROVOST 545S)
2028 SUMMER PEAK LG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
1366 WATT_TAP 11.531
1367 VEGREVL7 37.926
1324 GB_TP
1308 GRIZZ_1 28.574
1383 VERMILO7
1387 KITSCOT7 12.213
1393 HILL_7 47.122
1455 LLOYD_7
1350 WHITBY 7
305 LAC LA 7
65 BARDO_7 52.944
68 N HOLDE7
766 BAUERTAP 1.877
1377 IRISH_C7 17.158
795 LINDB_TP
1113 BAUER1
1490 JAROW TP
72 JARROW 7 5.718
297 WAINWRI7
483 TUCUMAN7
362 EDGERTO7 77.486
219 KILLARN7
220 HAYTER 7
540270
76 IPPL ST7
1007 HEIS_TP8 57.284
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
484 CLIPPER7
715 CLIPP_TP
609 BAT SND1
860 BATSD_TP
809 EXPRESTP
75 HUGHEND7 111.314
112 SUNKEN7
74 METIS647
814 KILRY TP 119.597
86 PROVOST7
547145
547015
874 715AL TP 82.830
87 METIS644
19427 NILREM5
1427 NILREM3
1499 CORDEL 4
1422 NEVIS 4
152 RED DEE4
1423 NEVIS 7
1428 769_HVR
147 GAETZ 4
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1403 PAINTRT4
1489 BAT RV80
1469 BAT RV79
547013 GOLDEYE TP
567156 DOLCYGEN3
567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 DOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
56090 EASTERV_HV
541090 EASTERV_TAP
549103 DOLCYMAIN
547103 DOLCYTAP
549135 P2555_1
649 HANSMAN7
648 HANSMAN8
1615 HTHFIELD
1618 NEWELL1
1433 3 HILLS7
1436 768S_HV
1448 MICH. C7
1460 WINT HI7
542045 HIGH_TAP
1421 COYTLK1
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
1484 ANDERSO4
542002 GARDENPLAIN1
547102 9LA59TAP
1486 SHEER 24
1481 SHEER 14
831 SEDALIA1
547039 ROSLYN_TAP
1438 LANFIN1
99438 LANFIN7
19438 LANFIN5
19419 PEMUKN3
1449 PEMUKN1
1471 MONITOR7
1472 MONITOR8
1459 EXCEL7
1458 LOYALIS7
19471 MONITOR9
1474 OYEN 7
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1395
1500 144.901
1501 144.901
1502 144.901
1503 144.901
1504 144.901
1505 144.901
1506 144.901
1507 144.901
1508 144.901
1509 144.901
1510 144.901
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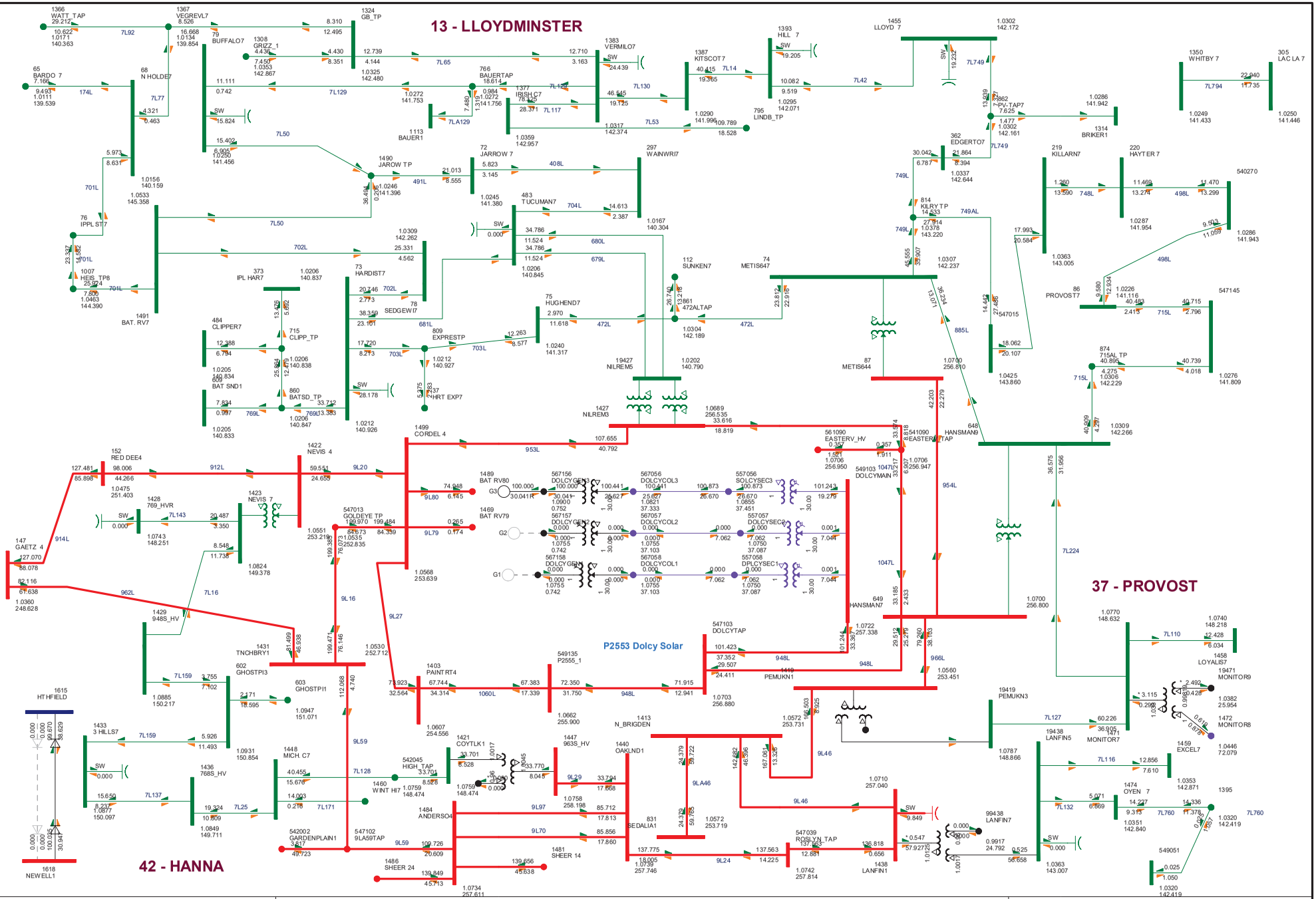
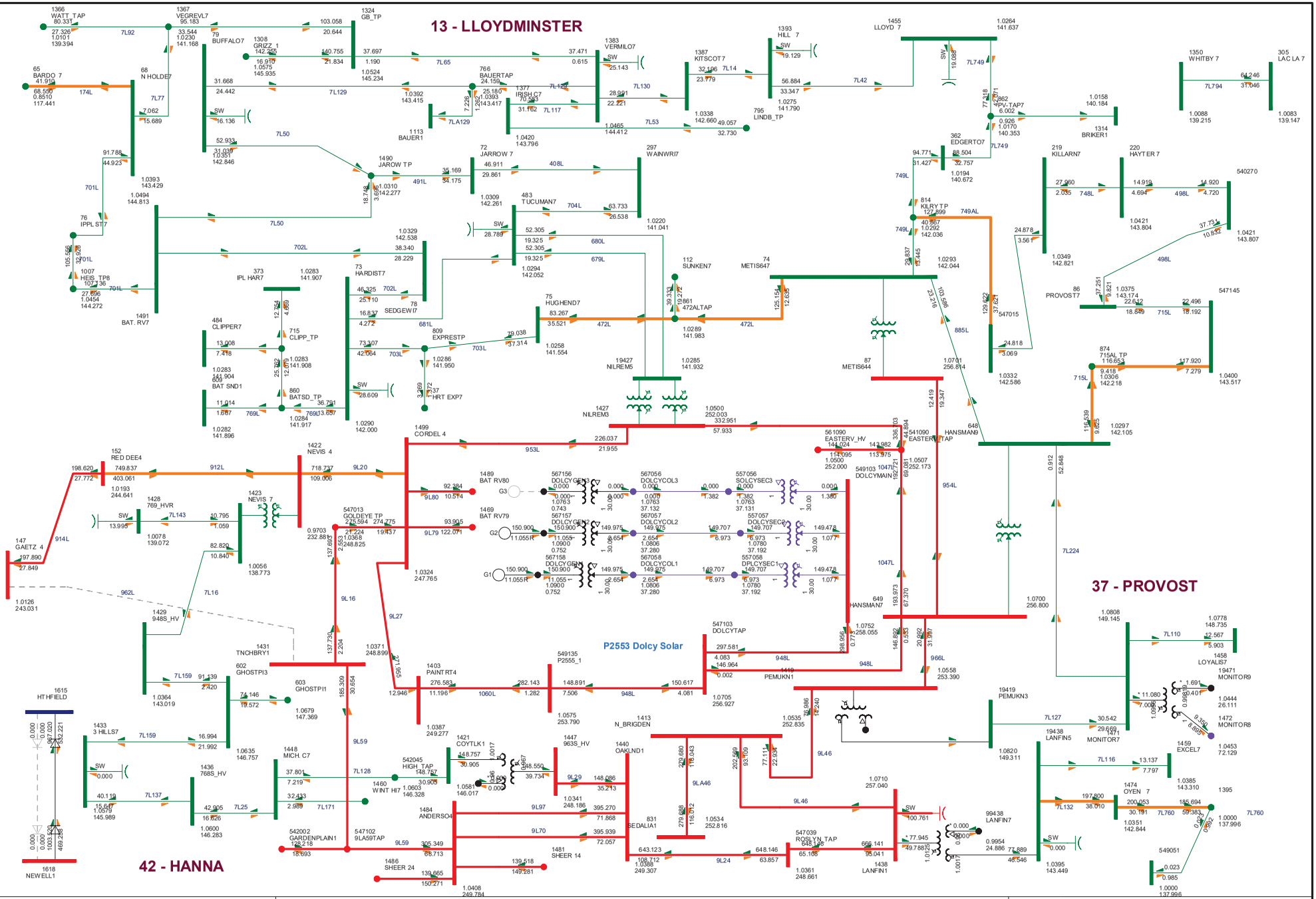
1519 144.901



P2553 Dolcy Solar Battery MPC

FIGURE A3.5-1-N-0: NORMAL OPERATION
2028 WINTER PEAK LG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025

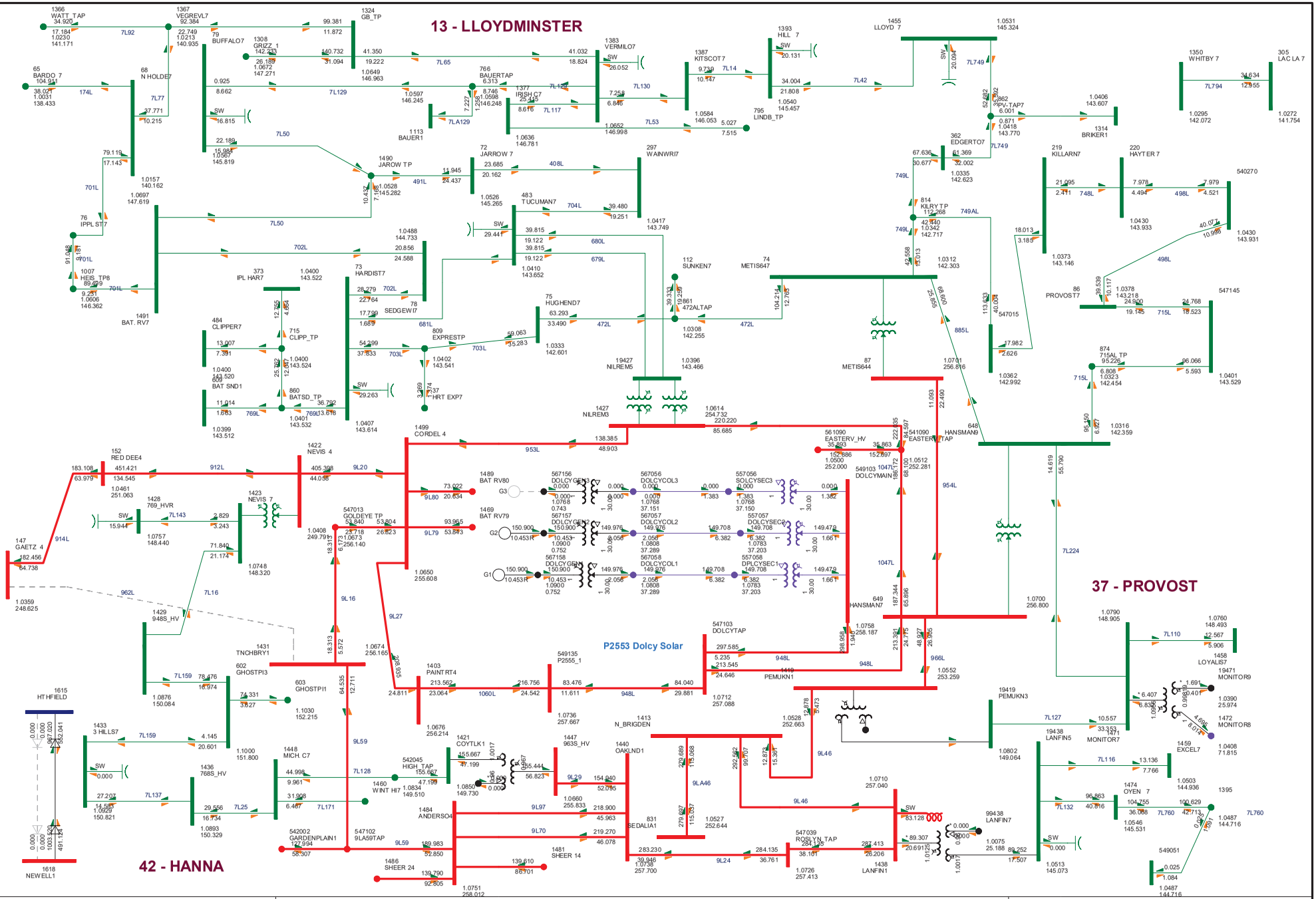


P2553 Dolcy Solar Battery MPC

FIGURE A3.6-0-N-0: NORMAL OPERATION
2028 SUMMER PEAK HG (POST-CONNECTION) - SENSITIVITY, Pre-Curtailment
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

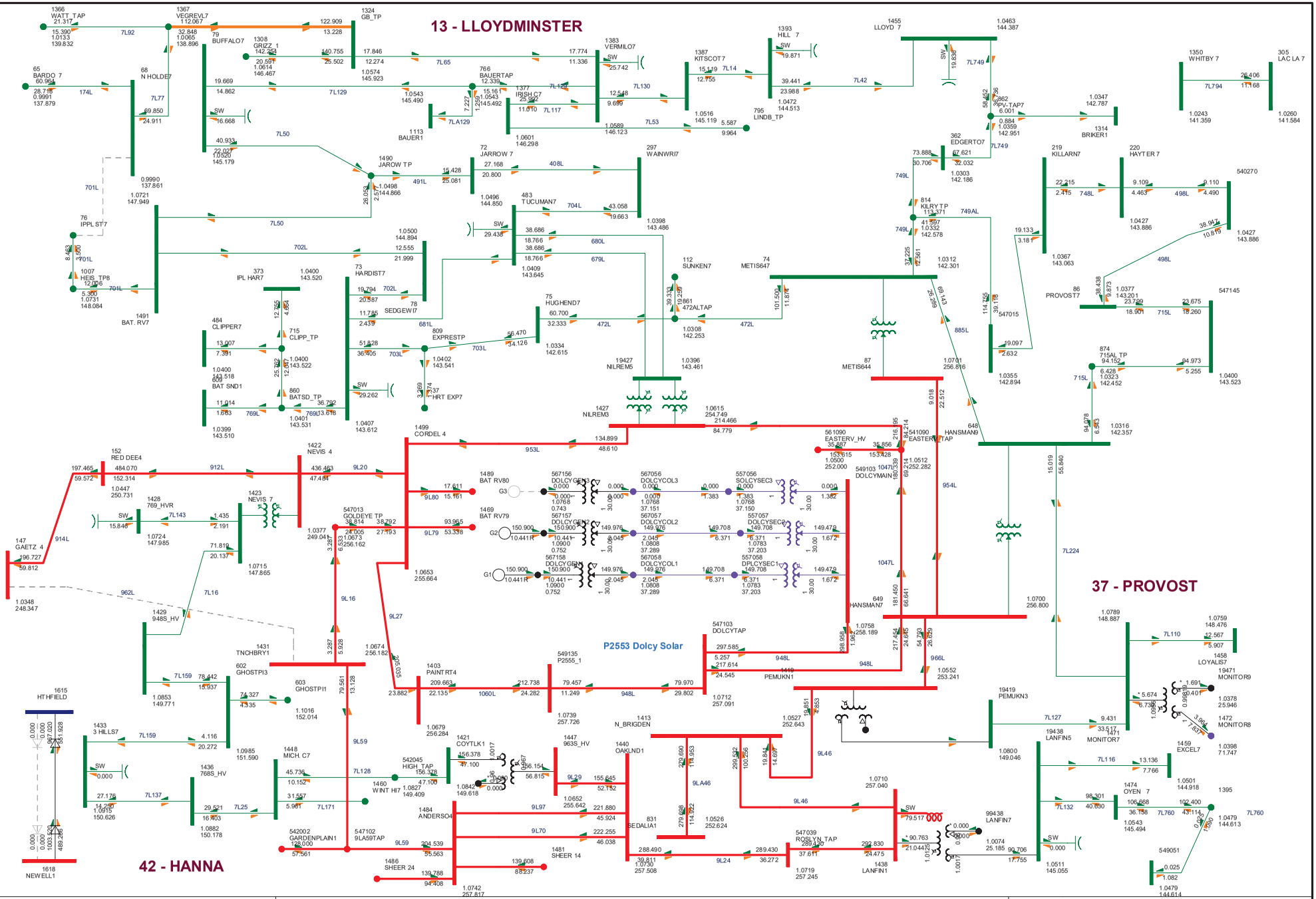


P2553 Dolcy Solar Battery MPC

FIGURE A3.6-1-N-0: NORMAL OPERATION
2028 SUMMER PEAK HG (POST-CONNECTION) - SENSITIVITY
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

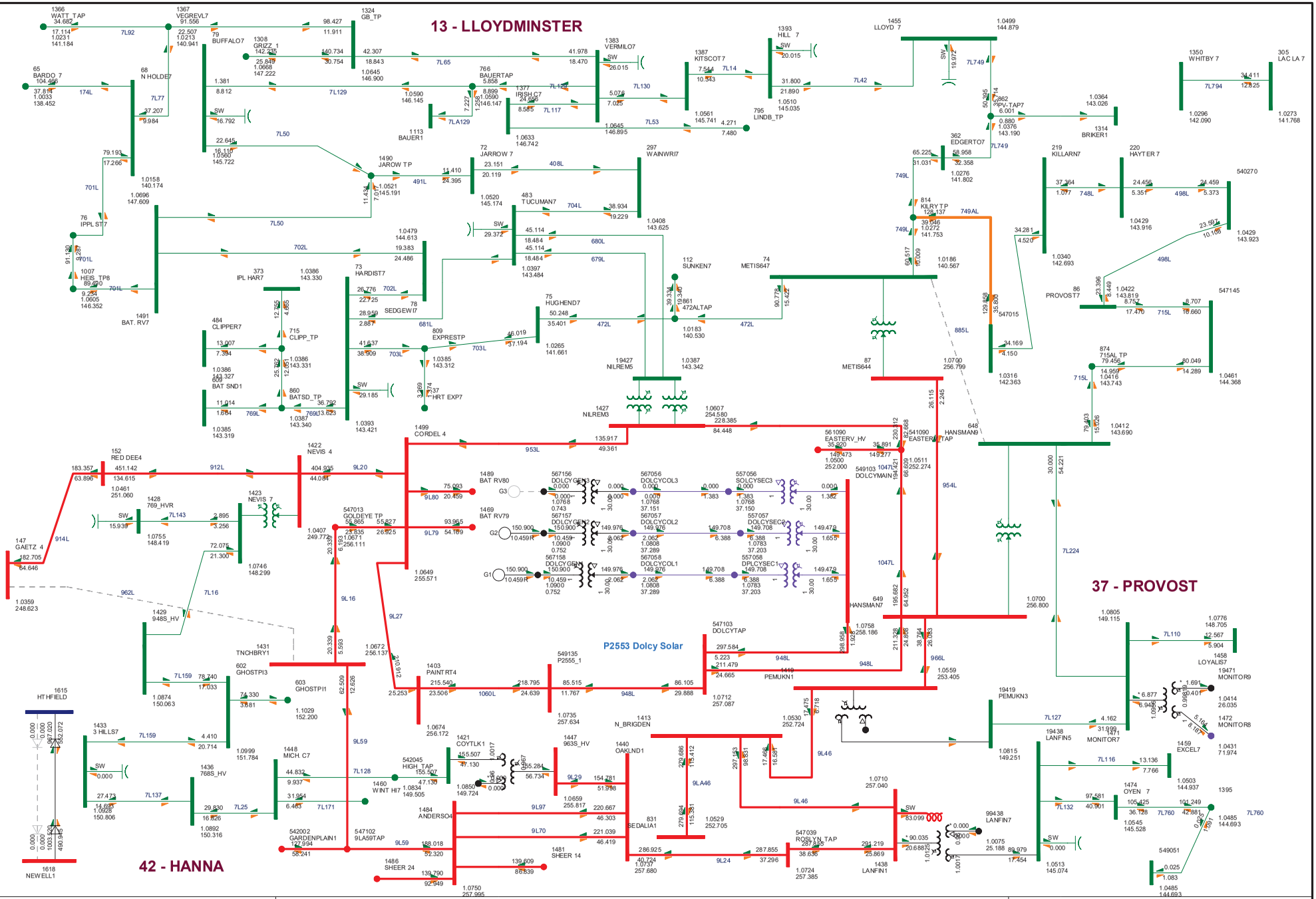


P2553 Dolcy Solar Battery MPC

FIGURE A3.6-2 N-1: 701L (NORTH HODEN 395S TO STROME 223S)
2028 SUMMER PEAK HG (POST-CONNECTION) - SENSITIVITY
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

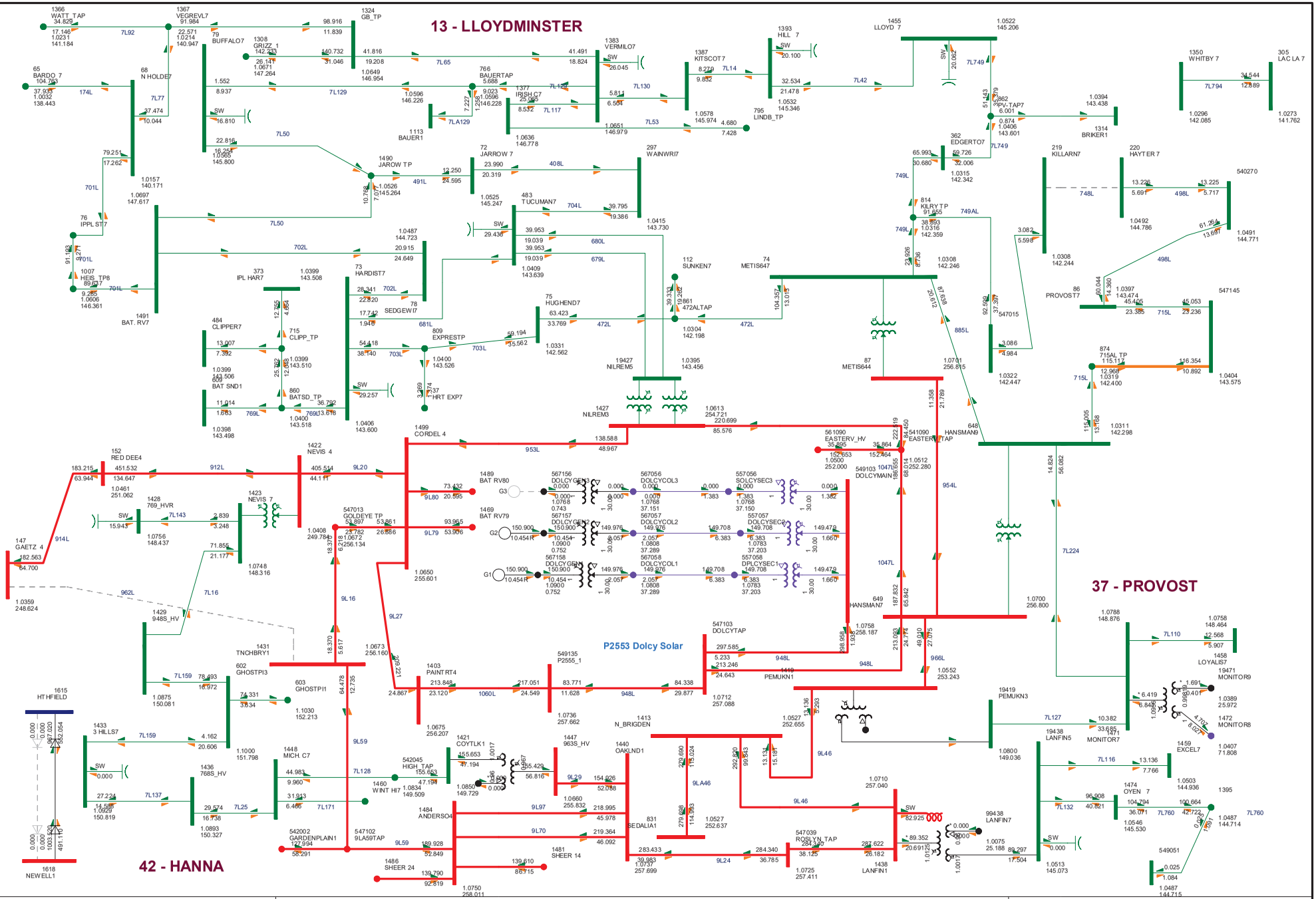


P2553 Dolcy Solar Battery MPC

FIGURE A3.6-3 N-1: 885L (METISKOW 648S TO HANSMAN LAKE 650S)
2028 SUMMER PEAK HG (POST-CONNECTION) - SENSITIVITY
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

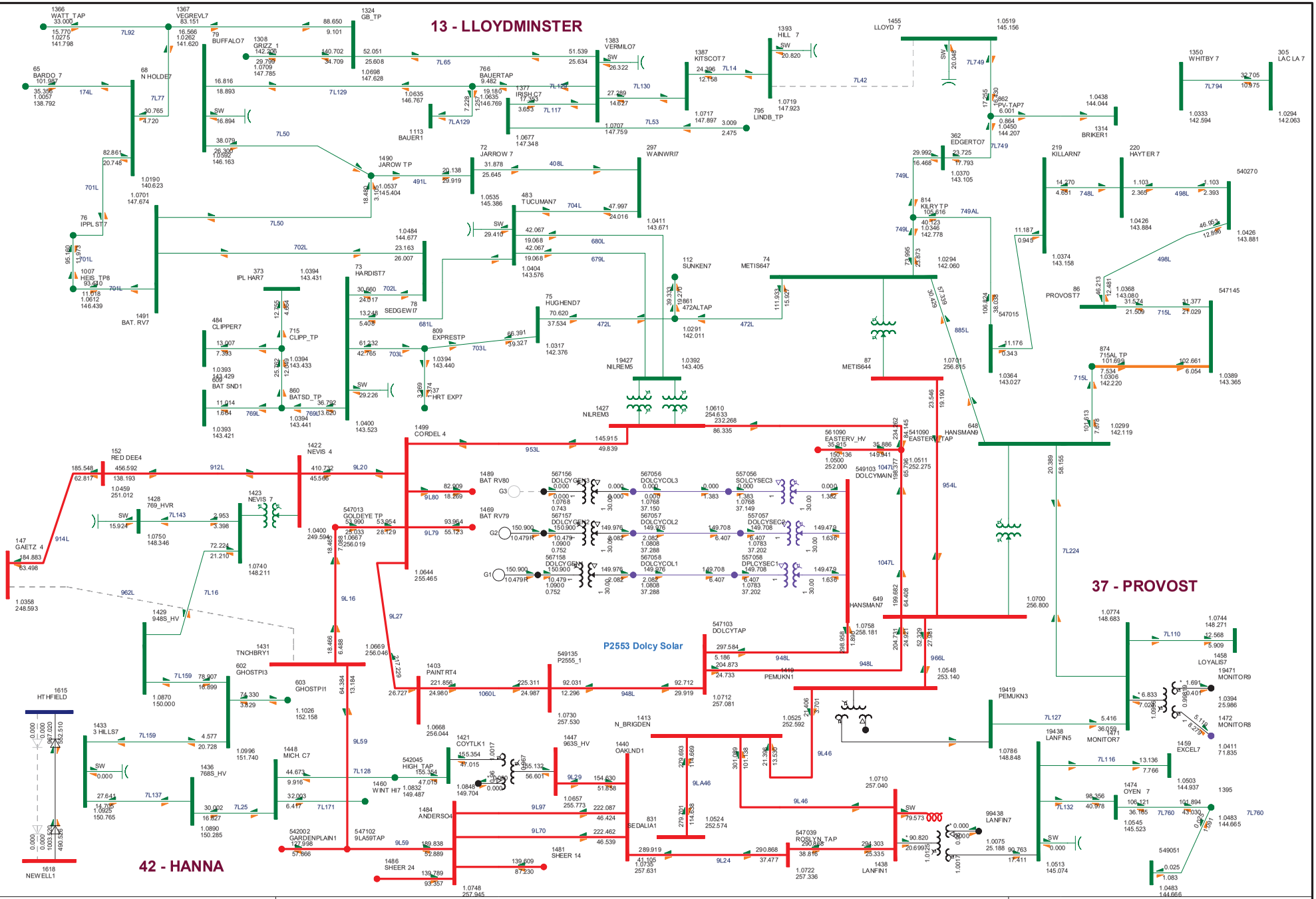


P2553 Dolcy Solar Battery MPC

FIGURE A3.6-4 N-1: 748L (HAYTER 277S TO KILLARNEY LAKE 267S)
2028 SUMMER PEAK HG (POST-CONNECTION) - SENSITIVITY
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

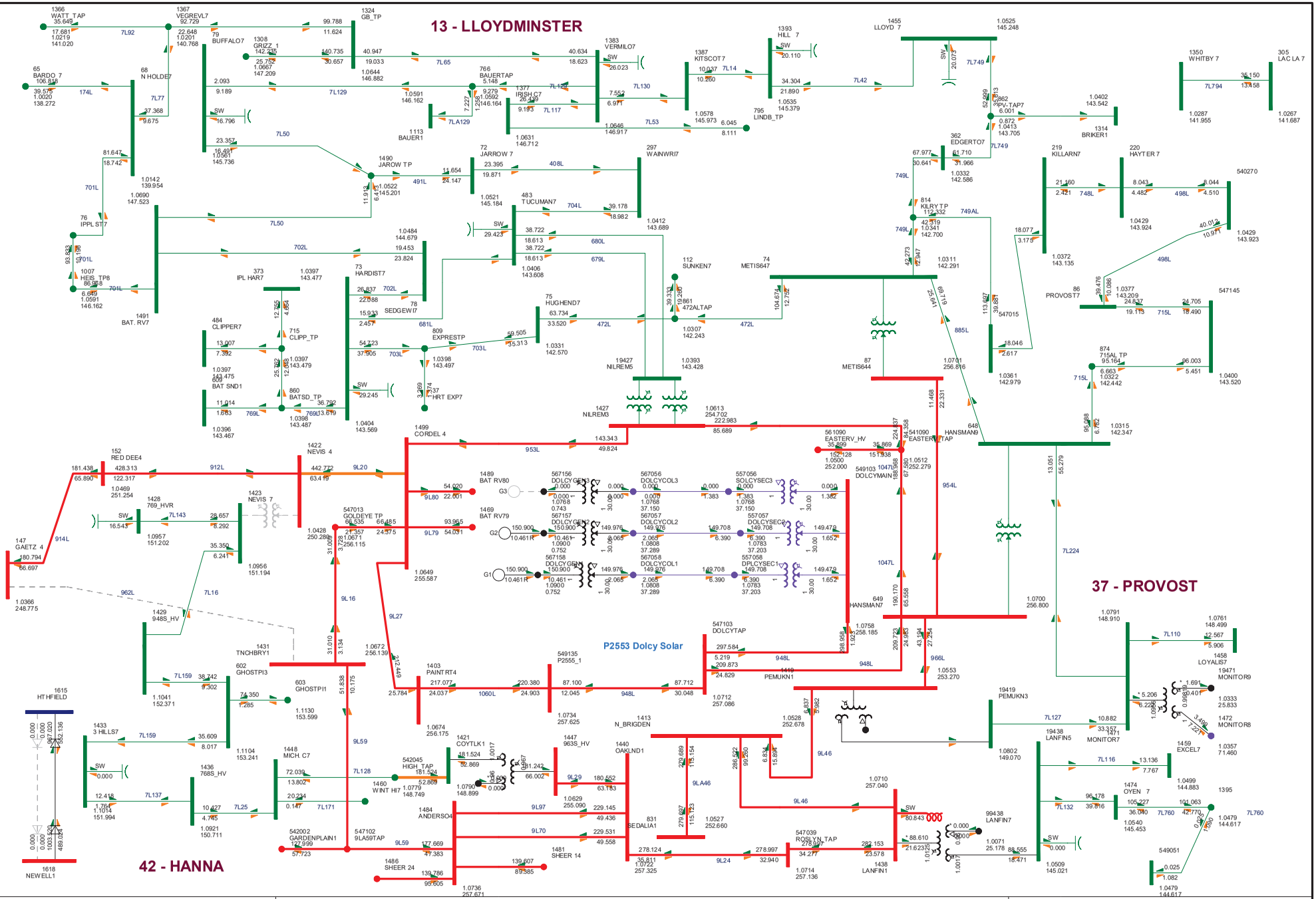


P2553 Dolcy Solar Battery MPC

FIGURE A3.6-5 N-1: 7L42 (HILL 751S TO LLOYDMINSTER 716S)
2028 SUMMER PEAK HG (POST-CONNECTION) - SENSITIVITY
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

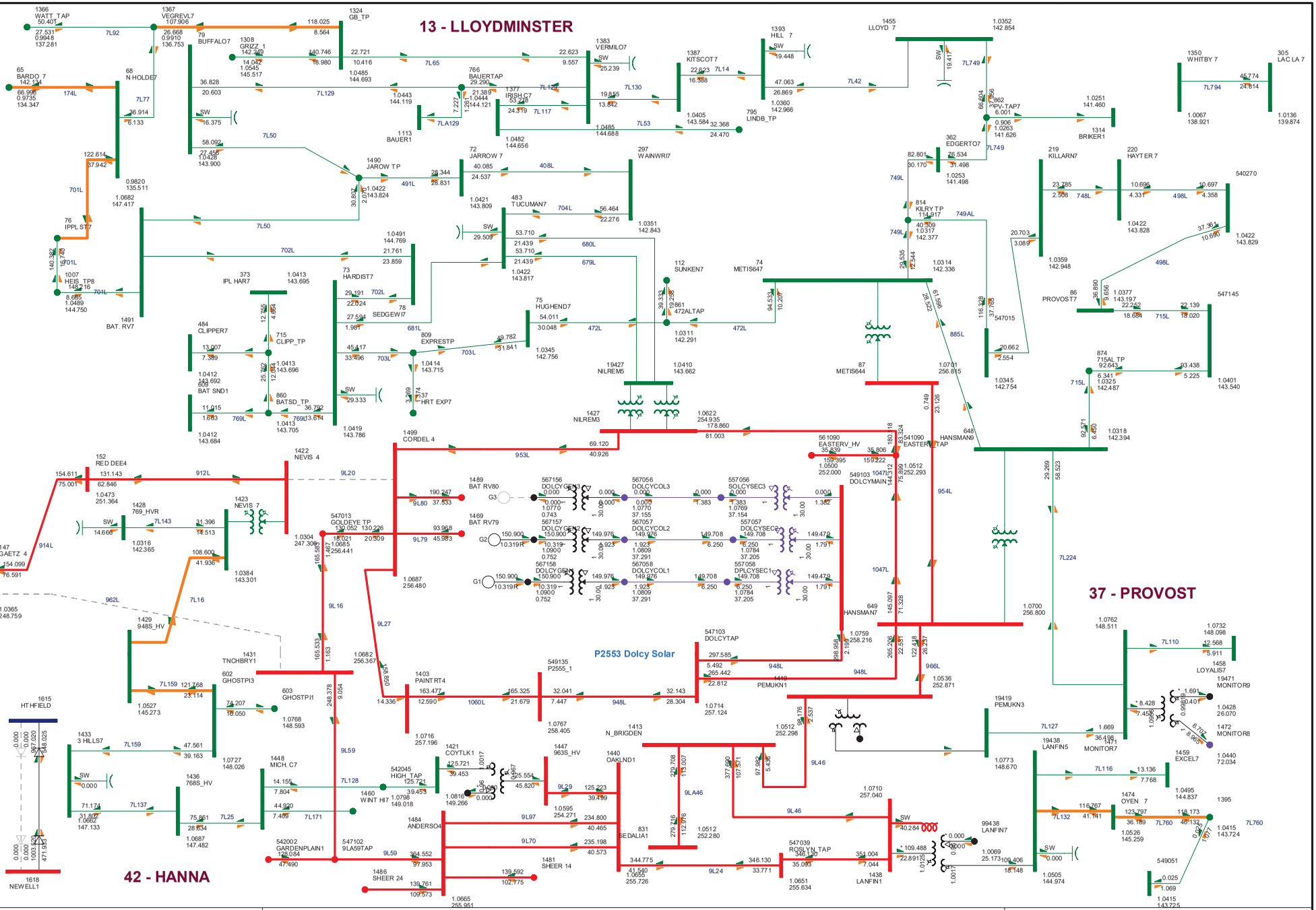


P2553 Dolcy Solar Battery MPC

FIGURE A3.6-6 N-1: 766S T1 (NEVIS 766S 240/138 KV TRANSFORMER)
2028 SUMMER PEAK HG (POST-CONNECTION) - SENSITIVITY
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
1366 WATT_TAP
1367 VEGREVL7
1324 GB_TP
1308 GRIZZ_1
1383 VERMILO7
1387 KITSCOT7
1393 HILL_7
1455 LLOYD 7
1350 WHITBY 7
305 LAC LA 7
65 BARDO_7
68 N HOLDE7
766 BAUERTAP
1377 IRISH_C7
795 LINDB_TP
362 EDGERTO7
1314 BRIKER1
1113 BAUER1
1490 JAROW TP
72 JARROW 7
297 WAINWRI7
483 TUCUMAN7
112 SUNKEN7
74 METIS647
87 METIS644
76 IPPL ST7
1007 HEIS_TP8
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
75 HUGHEND7
484 CLIPPER7
715 CLIPP_TP
809 EXPRESTP
HRT EXP7
609 BAT SND1
860 BATSD_TP
472ALTAP
814 KILRY TP
219 KILLARN7
220 HAYTER 7
540270
86 PROVOST7
547015
547145
874 715AL TP
19427 NILREM5
1427 NILREM3
561090 EASTERV_HV
541090 EASTERV_TAP
HANSMAN8
549103 DOLCYMAIN
1499 CORDEL 4
1422 NEVIS 4
152 RED DEE4
1428 769_HVR
1423 NEVIS 7
147 GAETZ 4
547013 GOLDEYE TP
1489 BAT RV80
1469 BAT RV79
567156 DOLCYGEN3
567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 DOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
547103 DOLCYTAP
649 HANSMAN7
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1403 PAINTRT4
549135 P2555_1
1449 PEMUKN1
19419 PEMUKN3
1615 HTHFIELD
1433 3 HILLS7
1436 768S_HV
1448 MICH. C7
542045 HIGH_TAP
1460 WINT HI7
1421 COYTLK1
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
831 SEDALIA1
1484 ANDERSO4
542002 GARDENPLAIN1
547102 9LA59TAP
1481 SHEER 14
1486 SHEER 24
1618 NEWELL1
547039 ROSLYN_TAP
1438 LANFIN1
19438 LANFIN5
1471 MONITOR7
1472 MONITOR8
1458 LOYALIS7
19471 MONITOR9
1459 EXCEL7
1474 OYEN 7
549051
P-TAP7
BPV-TAP7
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174L
7L77
7L50
7L129
7L65
7L117
7L53
7L42
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7L794
7L748
7L749L
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7L1
7LA129
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702L
703L
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680L
681L
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715L
885L
749L
749AL
748L
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9L24
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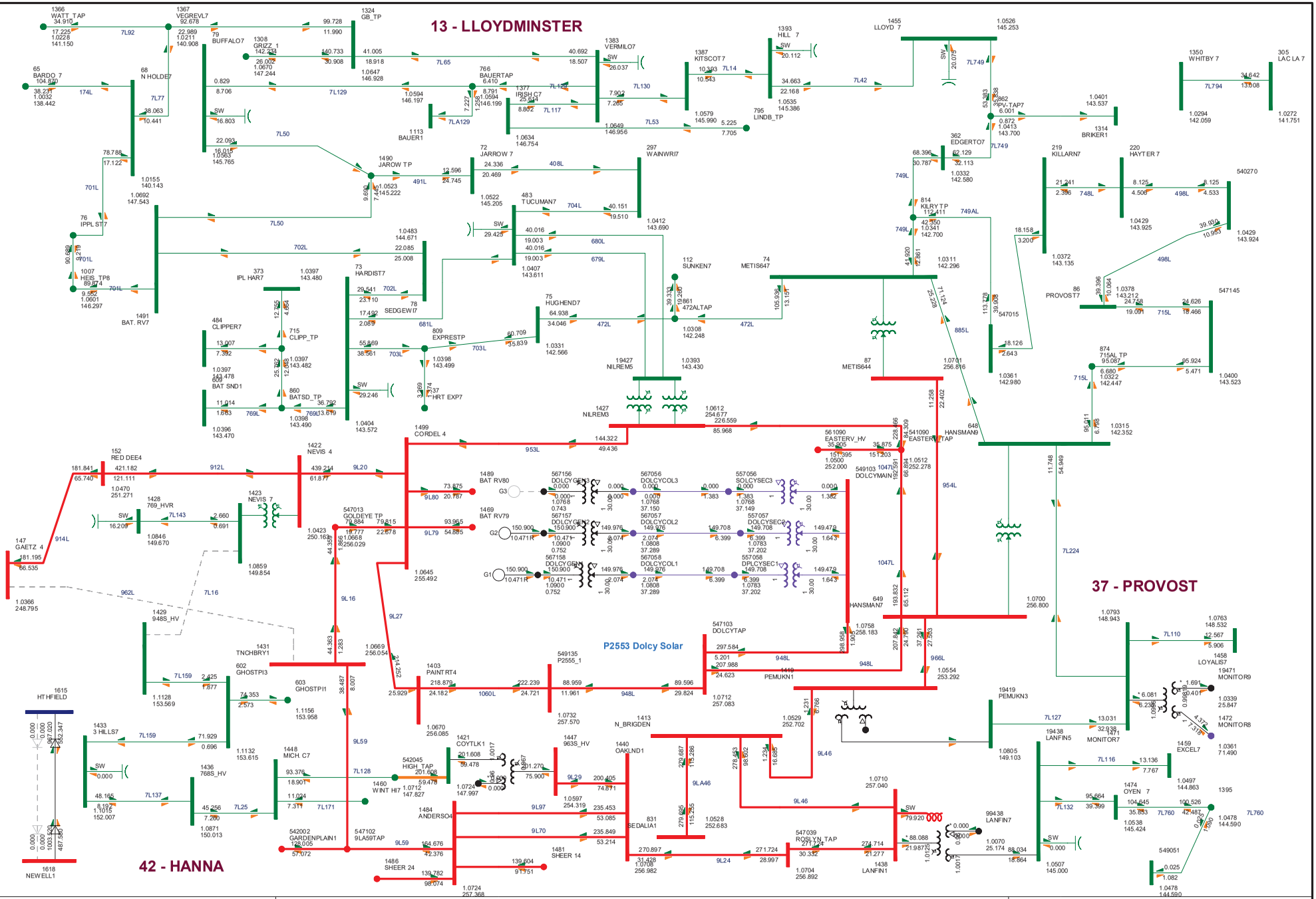
7L171
7L128
1060L
948L
966L
1047L
954L
7L224
7L110
7L127
7L116
7L132
7L760
P2553 Dolcy Solar Battery MPC
FIGURE A3.6-7 N-1: 9L20 (NEVIS 766S TO CORDEL 755S)
2028 SUMMER PEAK HG (POST-CONNECTION) - SENSITIVITY
PRINTED ON TUESDAY 08. APRIL 2025
Page 233 of 615
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

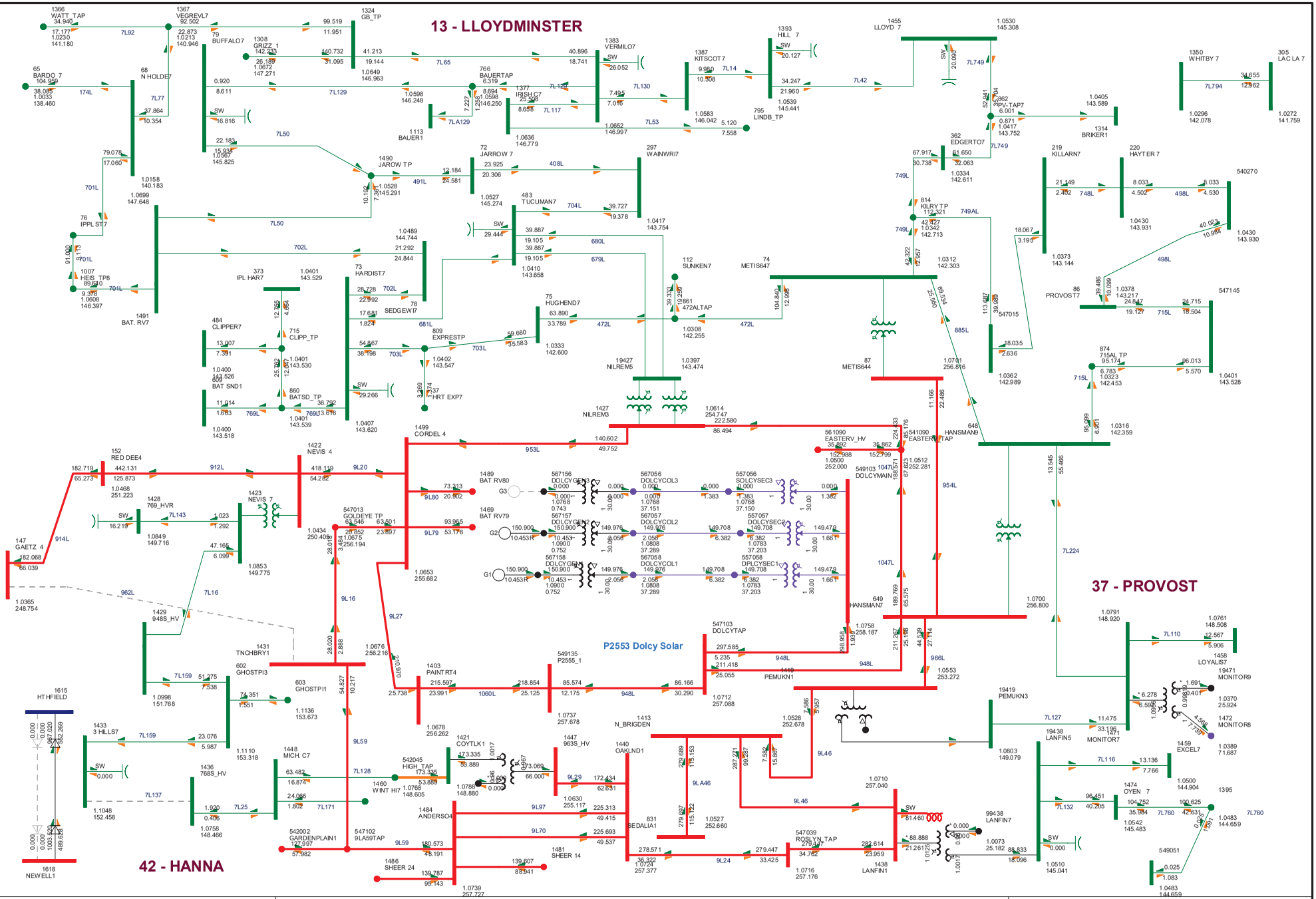


P2553 Dolcy Solar Battery MPC

FIGURE A3.6-8 N-1: 7L16 (NEVIS 766S TO HEATBURG 948S)
2028 SUMMER PEAK HG (POST-CONNECTION) - SENSITIVITY
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
1366 WATT_TAP 34.940
1367 VEGREVL7 92.502
1324 GB_TP
65 BARDO_7 104.959
68 N HOLDE7
1308 GRIZZ_1 142.233
766 BAUERTAP 6.319
1383 VERMILO7
1387 KITSCOT7 9.980 10.308
1393 HILL_7 20.127
1455 LLOYD 7
1350 WHITBY 7
305 LAC LA 7
1113 BAUER1
795 LINDB_TP
362 EDGERTO7 61.650 32.063
1314 BRIKER1
1490 JAROW TP
72 JARROW 7 23.925 20.306
297 WAINWRI7
483 TUCUMAN7
76 IPPL ST7
1007 HEIS_TP8 89.910
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
484 CLIPPER7 13.007 7.391
715 CLIPP_TP
809 EXPRESTP
75 HUGHEND7 63.890 33.789
112 SUNKEN7
74 METIS647
814 KILRY TP 112.321
219 KILLARN7 21.149 2.452
220 HAYTER 7 8.033 4.502
540270 8.033 4.530
86 PROVOST7 39.486 10.099
547145
547015
860 BATSD_TP 36.792
859 BAT SND1 11.014 1.883
874 715AL TP 95.174 6.783
147 GAETZ 4 182.068 66.039
152 RED DEE4 442.131 125.873
1422 NEVIS 4 418.119 54.282
1423 NEVIS 7
1428 769_HVR
547013 GOLDEYE TP 63.546 63.501 20.852 23.897
1499 CORDEL 4
1427 NILREM3
19427 NILREM5
87 METIS644
561090 EASTERV_HV 35.892 152.988 1.0500 252.000
541090 EASTERV_TAP 35.862 152.799 1.0500 252.281
648 HANSMAN8
649 HANSMAN7
549103 1047L DOLCYMAIN
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1403 PAINTRT4 215.597 23.991
549135 P2555_1
547103 DOLCYTAP 297.585 5.235 211.418 25.055
1419 PEMUKN1
19419 PEMUKN3
1615 HTHFIELD
1433 3 HILLS7
1436 768S_HV
1448 MICH. C7
542045 HIGH_TAP 173.335 53.889
1460 WINT HI7
1421 COYTLK1 473.335 53.889
1413 N_BRIGDEN
1440 OAKLND1
1447 963S_HV
1484 ANDERSO4
831 SEDALIA1
542002 GARDENPLAIN1 127.997 57.982
547102 9LA59TAP
1486 SHEER 24
1481 SHEER 14
547039 ROSLYN_TAP 279.447 34.762
1438 LANFIN1
99438 LANFIN7
19438 LANFIN5
1471 MONITOR7
1472 MONITOR8
19471 MONITOR9
1458 LOYALIS7
1459 EXCEL7
1474 OYEN 7
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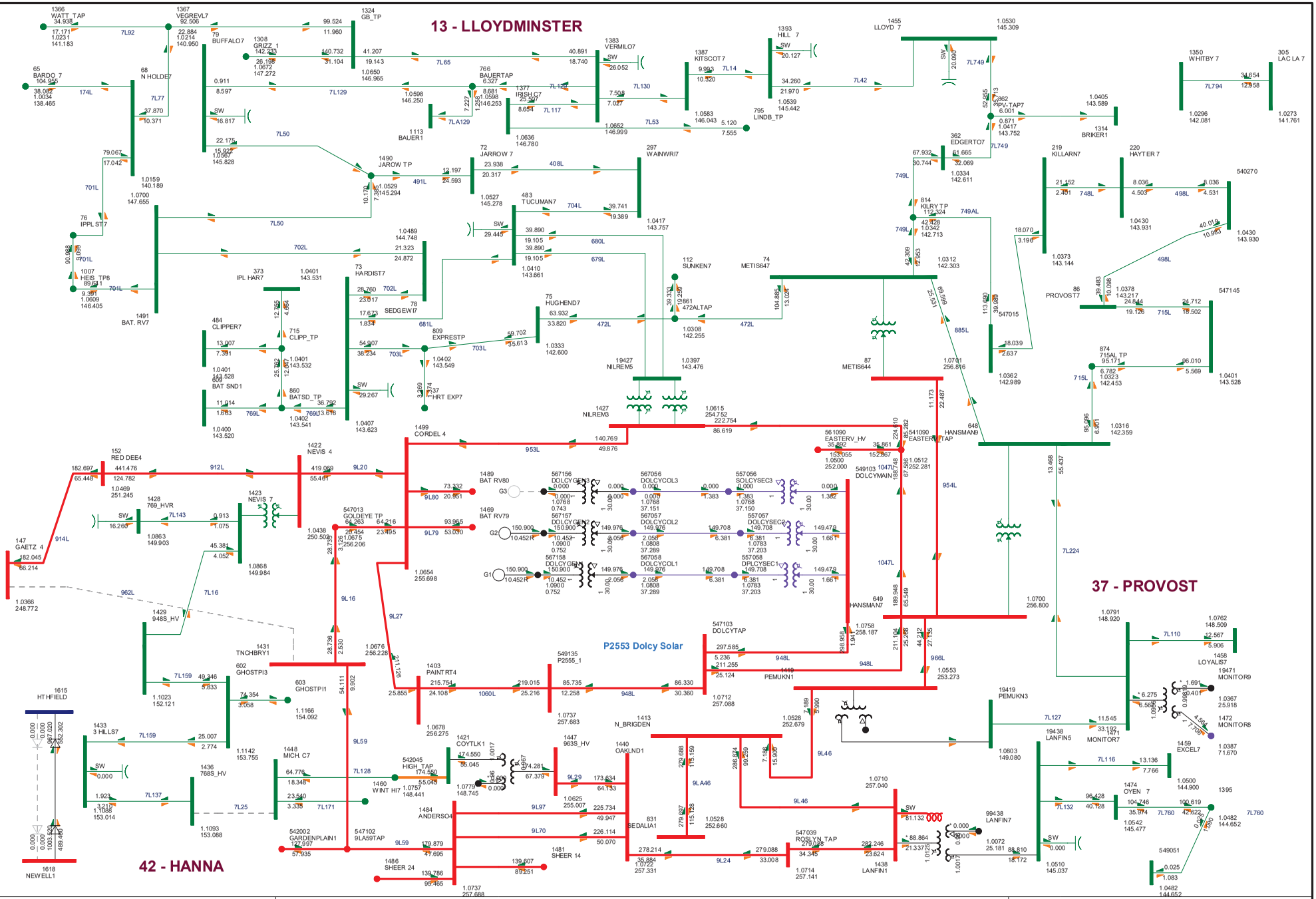
7L117
7L14
7L749
7L794
7L143
7L16
7L159
7L137
7L128
7L171
7L25
7L9
7L20
7L80
7L79
7L27
7L46
7L29
7L97
7L70
7L24
7L224
7L110
7L127
7L116
7L132
7L760
P2553 Dolcy Solar Battery MPC
FIGURE A3.6-9 N-1: 7L137 (THREE HILLS 770S TO ROWLEY 768S) - SENSITIVITY
2028 SUMMER PEAK HG (POST-CONNECTION)
PRINTED ON TUESDAY 08. APRIL 2025
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000 <=144.000 <=240.000 <=500.000 >500.000


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
1366 WATT_TAP 34.938
1367 VEGREVL7 92.506
1324 GB_TP
1308 GRIZZ_1 142.233
1383 VERMILO7
1387 KITSCOT7
1393 HILL_7
1455 LLOYD 7
1350 WHITBY 7
305 LAC LA 7
65 BARDO_7 104.955
68 N HOLDE7
766 BAUERTAP 6.327
1377 IRISH_C7 25.397
795 LINDB_TP
1113 BAUER1
362 EDGERTO7
1314 BRIKER1
1490 JAROW TP
72 JARROW 7
297 WAINWRI7
483 TUCUMAN7
112 SUNKEN7
74 METIS647
814 KILRY TP 112.324
219 KILLARN7
220 HAYTER 7
540270
76 IPPL ST7
1007 HEIS_TP8
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
75 HUGHEND7
472ALTAP
484 CLIPPER7
715 CLIPP_TP
809 EXPRESTP
HRT EXP7
860 BATSD_TP
BAT SND1
86 PROVOST7
547145
547015
874 715AL TP 95.171
87 METIS644
19427 NILREM5
1427 NILREM3
1499 CORDEL 4
1422 NEVIS 4
561090 EASTERV_HV
541090 EASTERV_TAP
648 HANSMAN8
549103 DOLCYMAIN
152 RED DEE4
1428 769_HVR
1423 NEVIS 7
1489 BAT RV80
1469 BAT RV79
567156 DOLCYGEN3
567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 SOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 SOLCYSEC1
547013 GOLDEYE TP
147 GAETZ 4
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1403 PAINTRT4
549135 P2555_1
547103 DOLCYTAP
649 HANSMAN7
1419 PEMUKN1
19419 PEMUKN3
1615 HTHFIELD
1618 NEWELL1
1433 3 HILLS7
1436 768S_HV
1448 MICH. C7
1460 WINT HI7
542045 HIGH_TAP
1421 COYTLK1
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
831 SEDALIA1
1484 ANDERSO4
1481 SHEER 14
1486 SHEER 24
542002 GARDENPLAIN1
547102 9LA59TAP
547039 ROSLYN_TAP
99438 LANFIN7
1438 LANFIN1
19438 LANFIN5
1471 MONITOR7
1472 MONITOR8
1459 EXCEL7
1474 OYEN 7
549051
7L25
7L50
7L92
7L65
7L129
7L130
7L53
7L42
7L749
7L794
7L749
7L14
7L117
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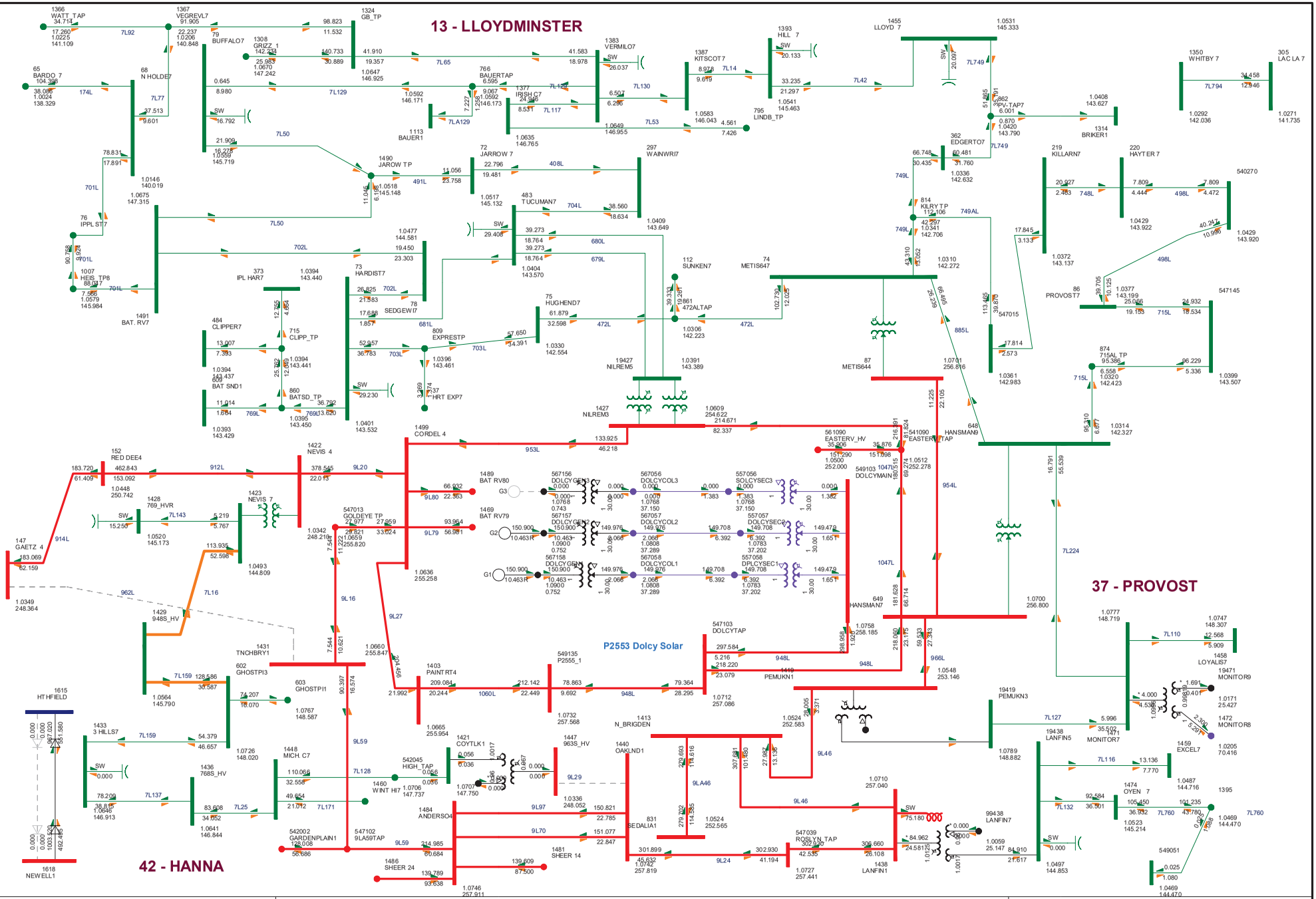
7L50
7L77
7L129
7L129
7L50
7L50
7L50

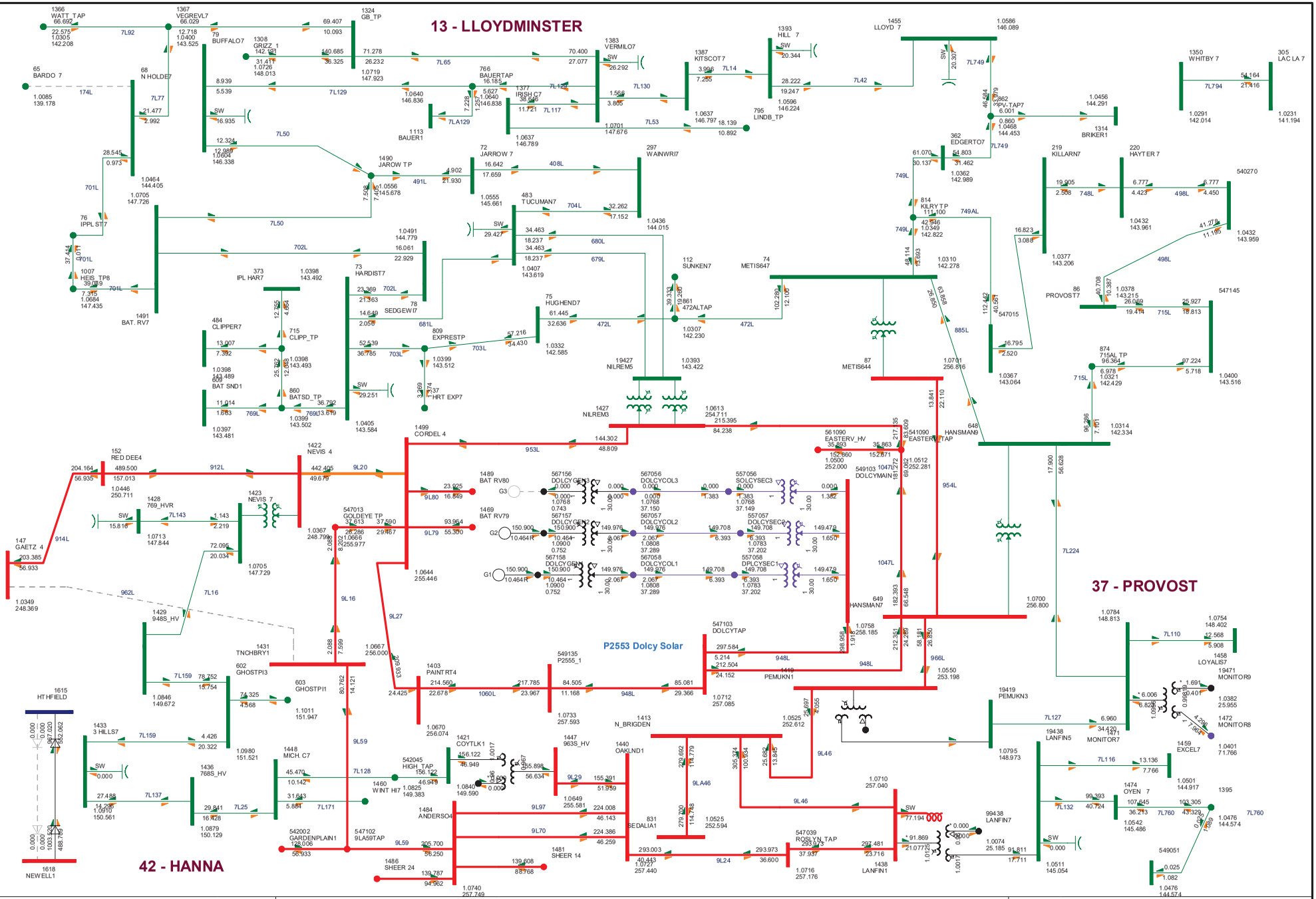


P2553 Dolcy Solar Battery MPC

FIGURE A3.6-11 N-1: 9L29 (OAKLAND 946S TO COYOTE LAKE 963S)
2028 SUMMER PEAK HG (POST-CONNECTION) - SENSITIVITY
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

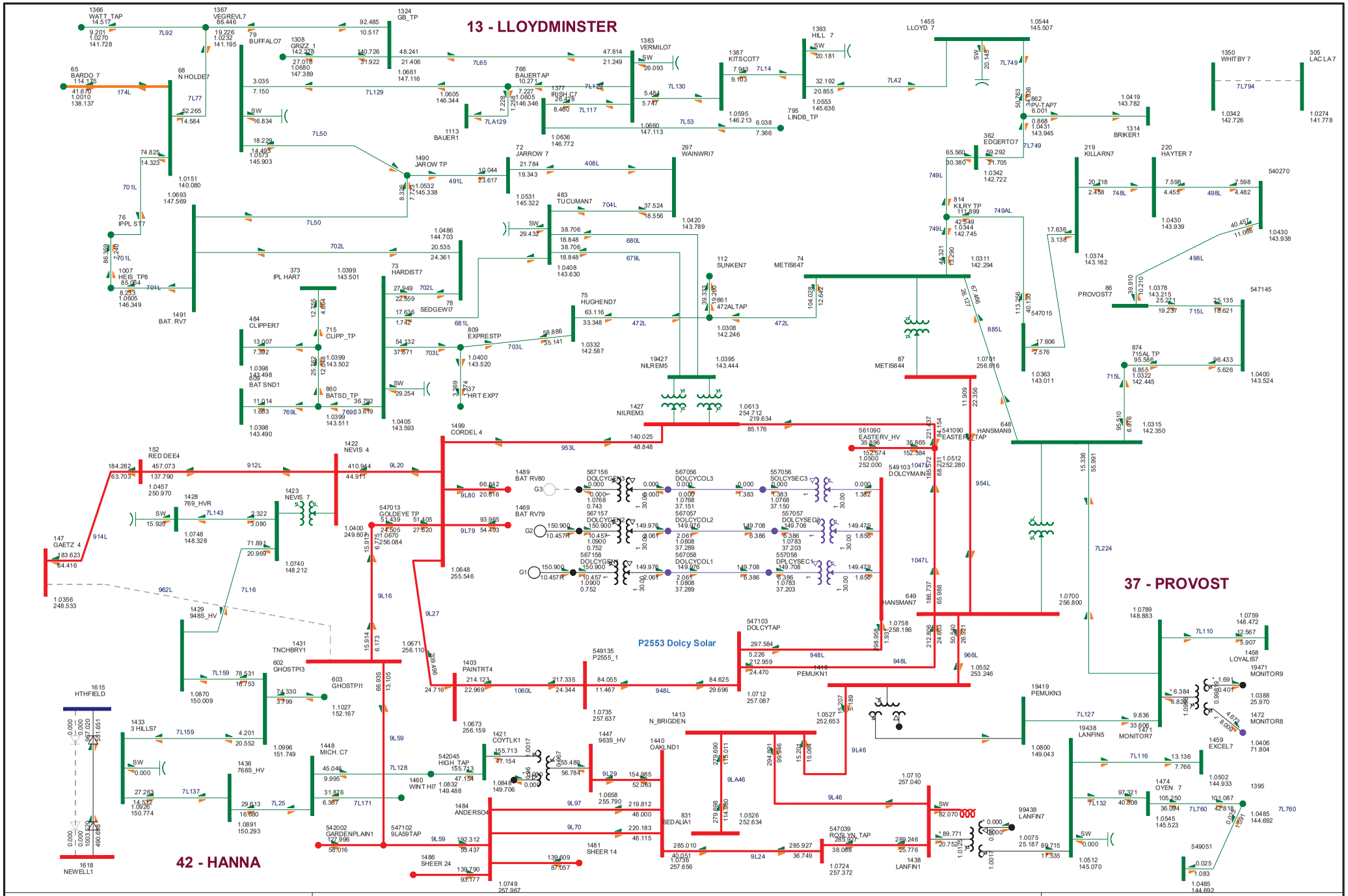


P2553 Dolcy Solar Battery MPC

FIGURE A3.6-12 N-1: 174L (NORTH HOLDEN 395S TO BARDO 197S)
2028 SUMMER PEAK HG (POST-CONNECTION) - SENSITIVITY
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

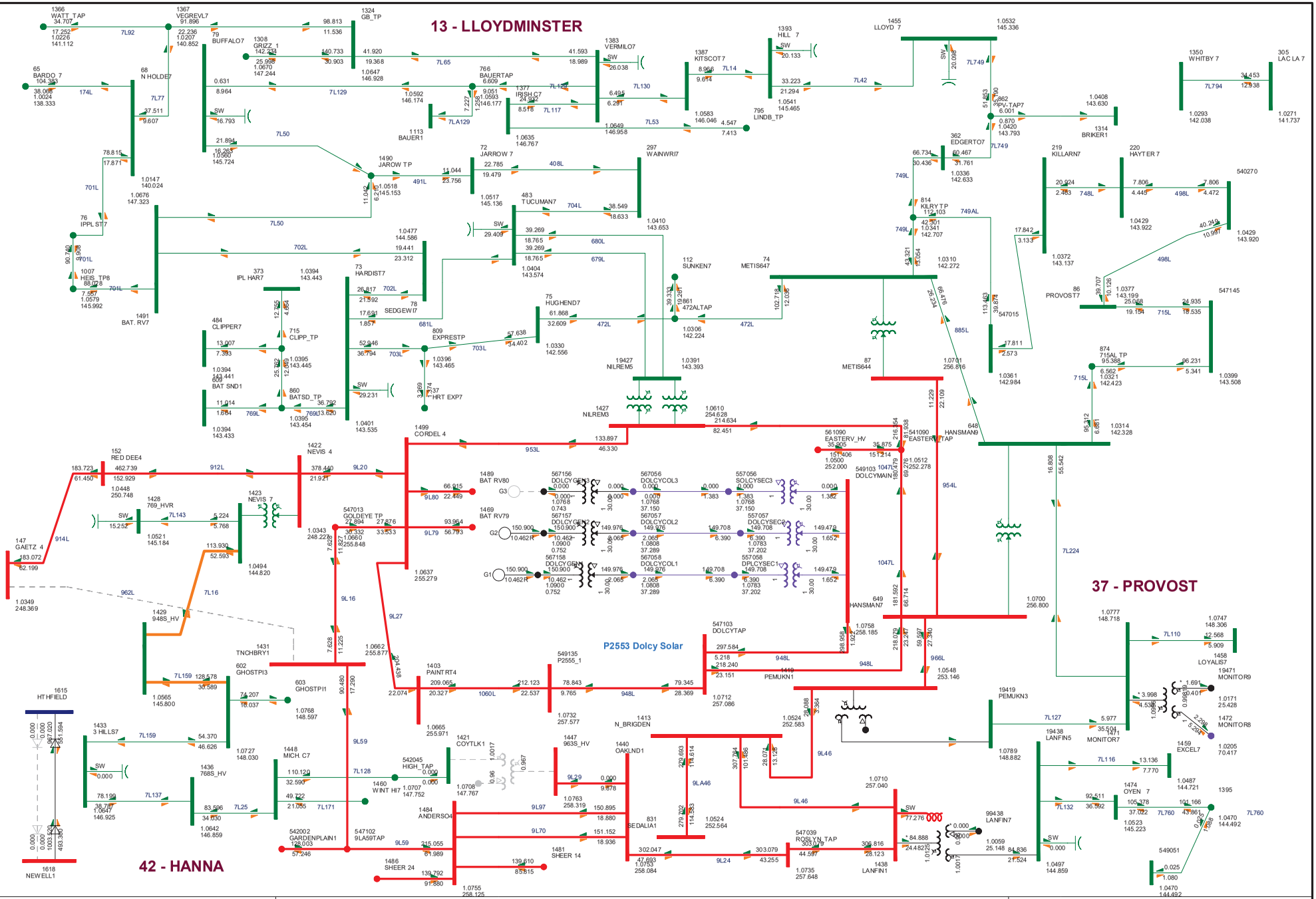


P2553 Dolcy Solar Battery MPC

FIGURE A3.6-13 N-1: 7L794 (LAC LA BICHE 157S TO WHITBY LAKE 819S)
2028 SUMMER PEAK HG (POST-CONNECTION) - SENSITIVITY
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

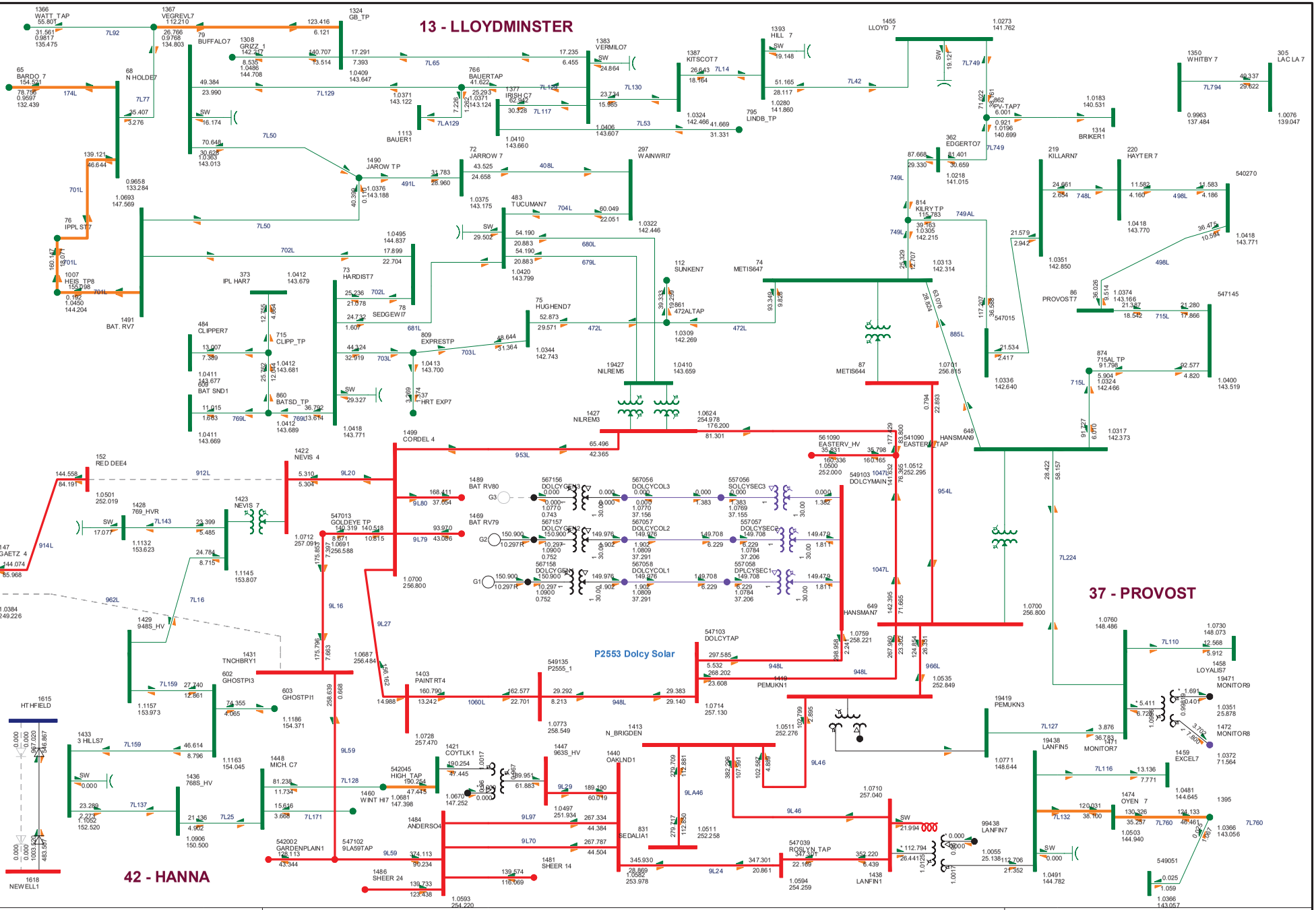


P2553 Dolcy Solar Battery MPC

FIGURE A3.6-14 N-1: 963S T1 (COYOTE LAKE 963S TRANSFORMER T1)
2028 SUMMER PEAK HG (POST-CONNECTION) - SENSITIVITY
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

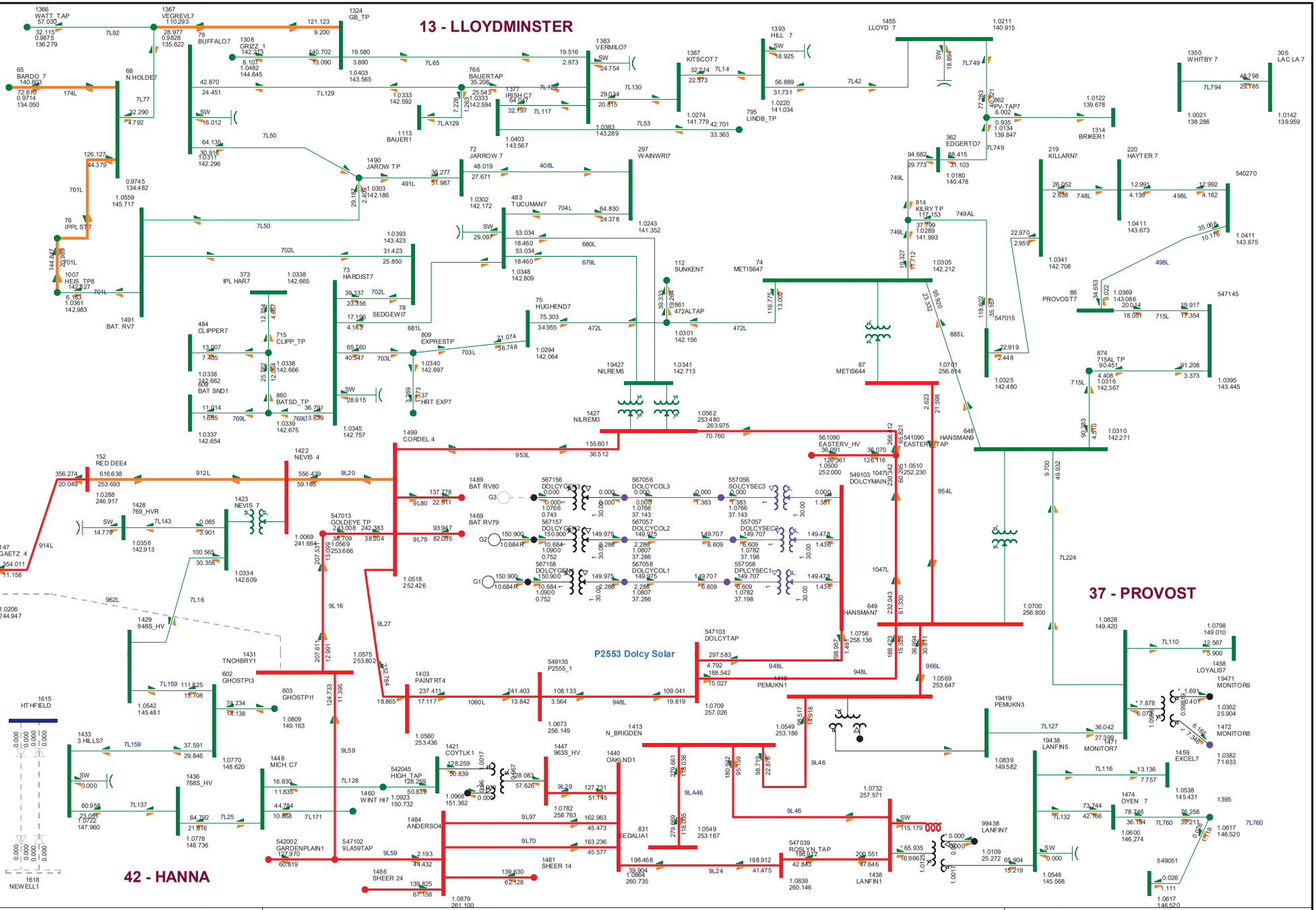


P2553 Dolcy Solar Battery MPC

FIGURE A3.6-15 N-1: 912L (NEVIS 766S TO RED DEER 63S)
2028 SUMMER PEAK HG (POST-CONNECTION) - SENSITIVITY
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

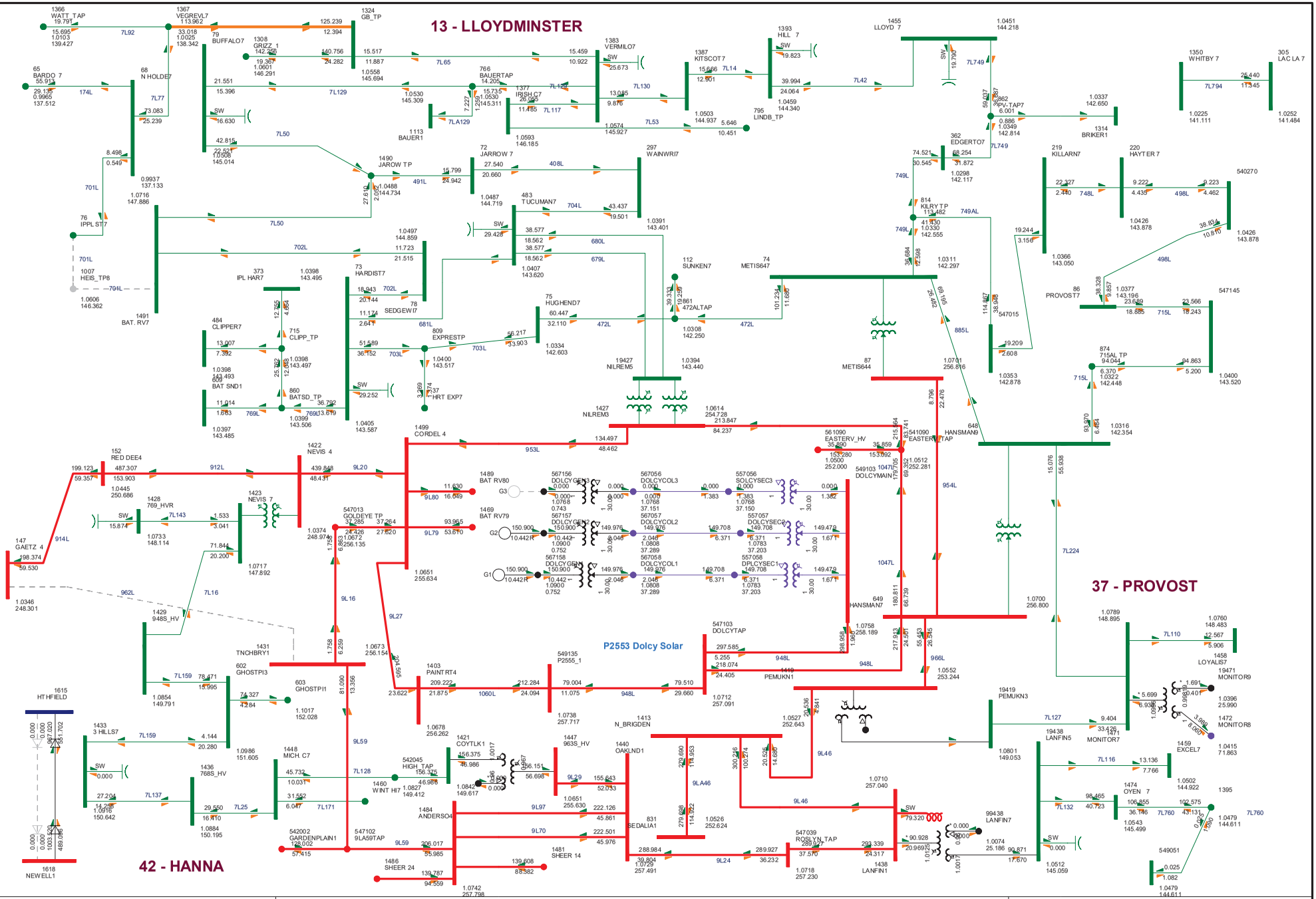


P2553 Dolcy Solar Battery MPC

FIGURE A3.6-16 N-1: EATL
2028 SUMMER PEAK HG (POST-CONNECTION) - SENSITIVITY
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

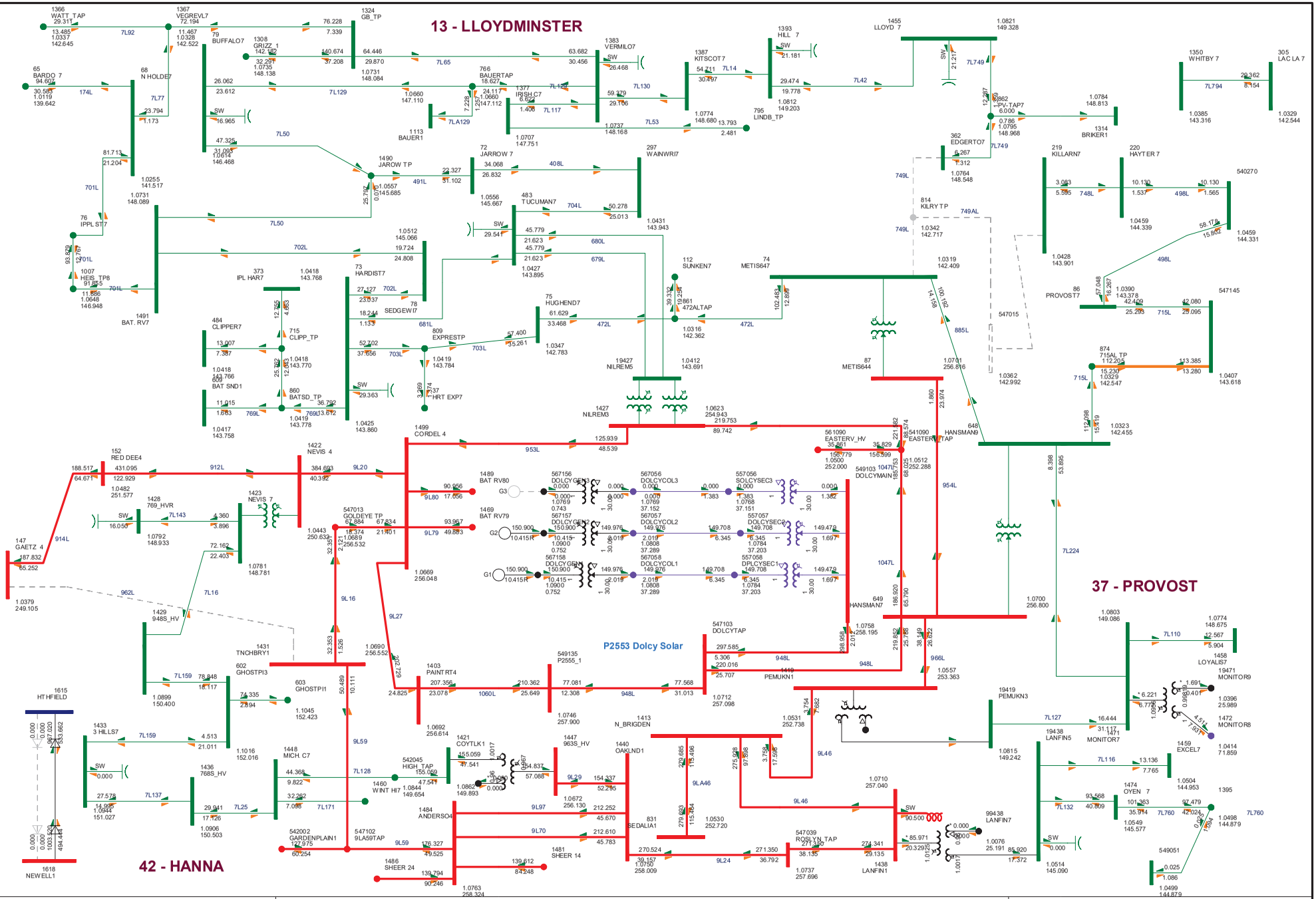


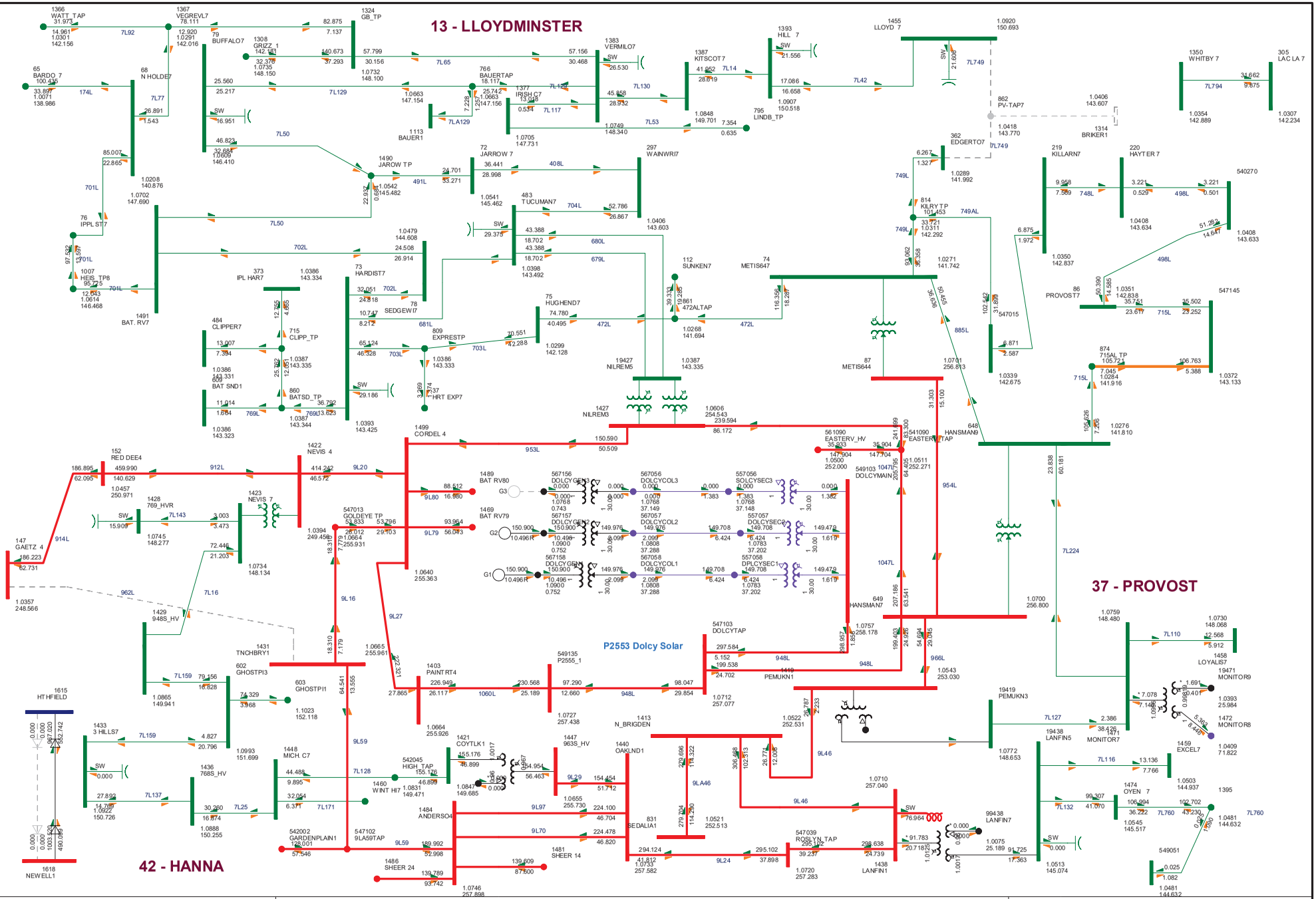
P2553 Dolcy Solar Battery MPC

FIGURE A3.6-17 N-1: 701L (STROME 223S TO BATTLE RIVER 757S)
2028 SUMMER PEAK HG (POST-CONNECTION) - SENSITIVITY
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
1366 WATT_TAP 29.317
1367 VEGREVL7 72.194
1324 GB_TP
65 BARDO_7 94.607
68 N HOLDE7
1308 GRIZZ_1 142.122
766 BAUERTAP 18.627
1383 VERMILO7
1387 KITSCOT7 54.211
1393 HILL_7
1455 LLOYD 7
1350 WHITBY 7
305 LAC LA 7
1113 BAUER1
795 LINDB_TP
362 EDGERTO7
1314 BRIKER1
219 KILLARN7
220 HAYTER 7
540270
1490 JAROW TP
72 JARROW 7
297 WAINWRI7
483 TUCUMAN7
814 KILRY TP
76 IPPL ST7
1007 HEIS_TP8 91.855
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
112 SUNKEN7
74 METIS647
86 PROVOST7
547145
484 CLIPPER7
715 CLIPP_TP
809 EXPRESTP
75 HUGHEND7
472ALTAP
87 METIS644
874 715AL_TP 112.205
547015
1499 CORDEL 4
19427 NILREM5
1427 NILREM3
561090 EASTERV_HV
541090 EASTERV_TAP
648 HANSMAN8
549103 DOLCYMAIN
152 RED DEE4
1422 NEVIS 4
1423 NEVIS 7
1428 769_HVR
147 GAETZ 4
547013 GOLDEYE TP
1489 BAT RV80
1469 BAT RV79
567156 DOLCYGEN3
567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 DOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
649 HANSMAN7
547103 DOLCYTAP
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1403 PAINTRT4
549135 P2555_1
1449 PEMUKN1
19419 PEMUKN3
1615 HTHFIELD
1433 3 HILLS7
1436 768S_HV
1448 MICH. C7
1421 COYTLK1
542045 HIGH_TAP
1460 WINT HI7
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
1484 ANDERSO4
542002 GARDENPLAIN1
547102 9LA59TAP
1481 SHEER 14
1486 SHEER 24
831 SEDALIA1
547039 ROSLYN_TAP
1438 LANFIN1
99438 LANFIN7
19438 LANFIN5
1458 LOYALIS7
19471 MONITOR9
1472 MONITOR8
1471 MONITOR7
1459 EXCEL7
1474 OYEN 7
549051
1618 NEWELL1
P2553 Dolcy Solar Battery MPC
FIGURE A3.6-18 N-1: 749L (METISKOW 648S TO EDGERTON 899S)
2028 SUMMER PEAK HG (POST-CONNECTION) - SENSITIVITY
PRINTED ON TUESDAY 08. APRIL 2025
Page 244 of 615
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

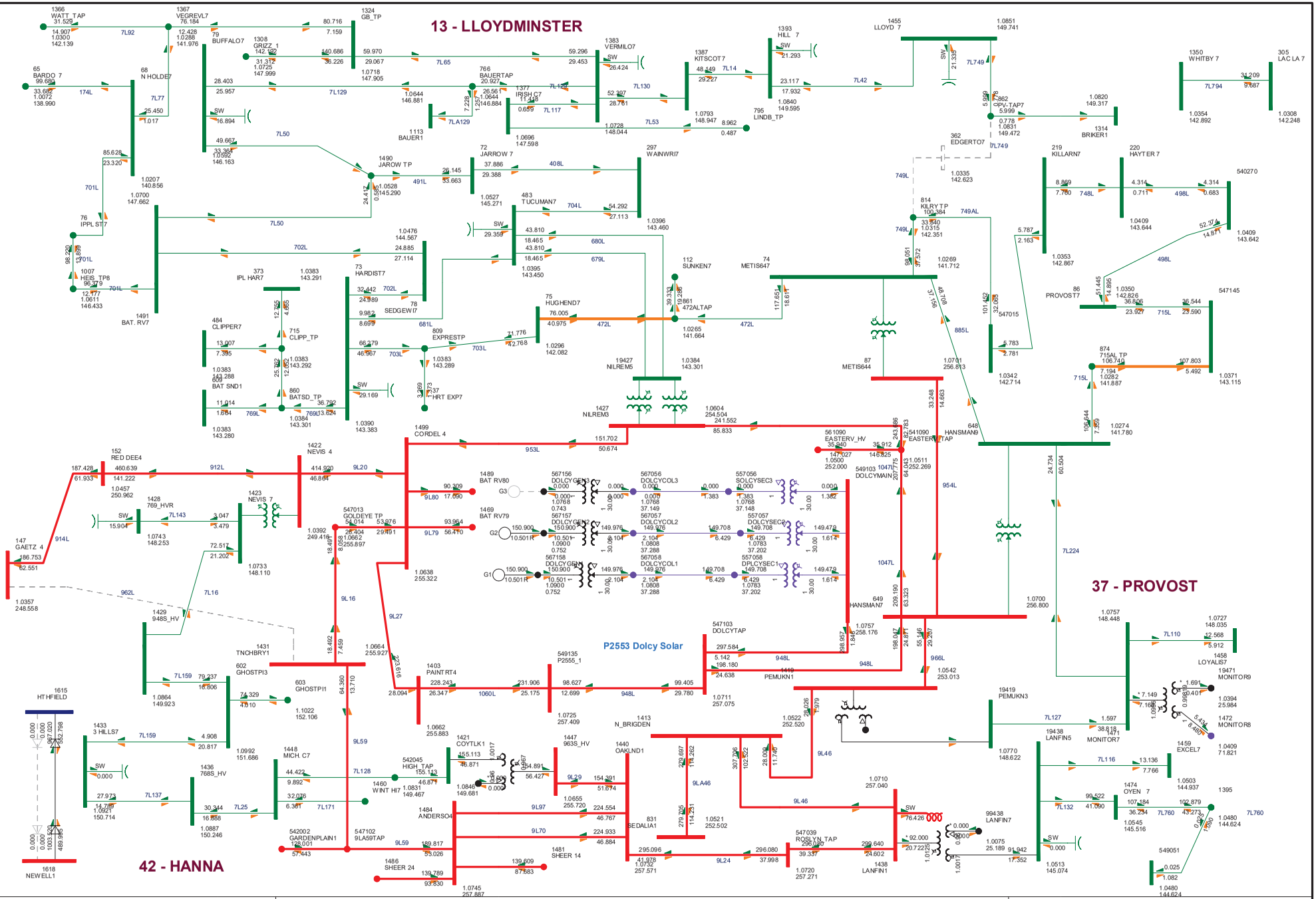


P2553 Dolcy Solar Battery MPC

FIGURE A3.6-19 N-1: 749L/7L749 (EDGERTON 899S TO LLOYDMINSTER 716S)
2028 SUMMER PEAK HG (POST-CONNECTION) - SENSITIVITY
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

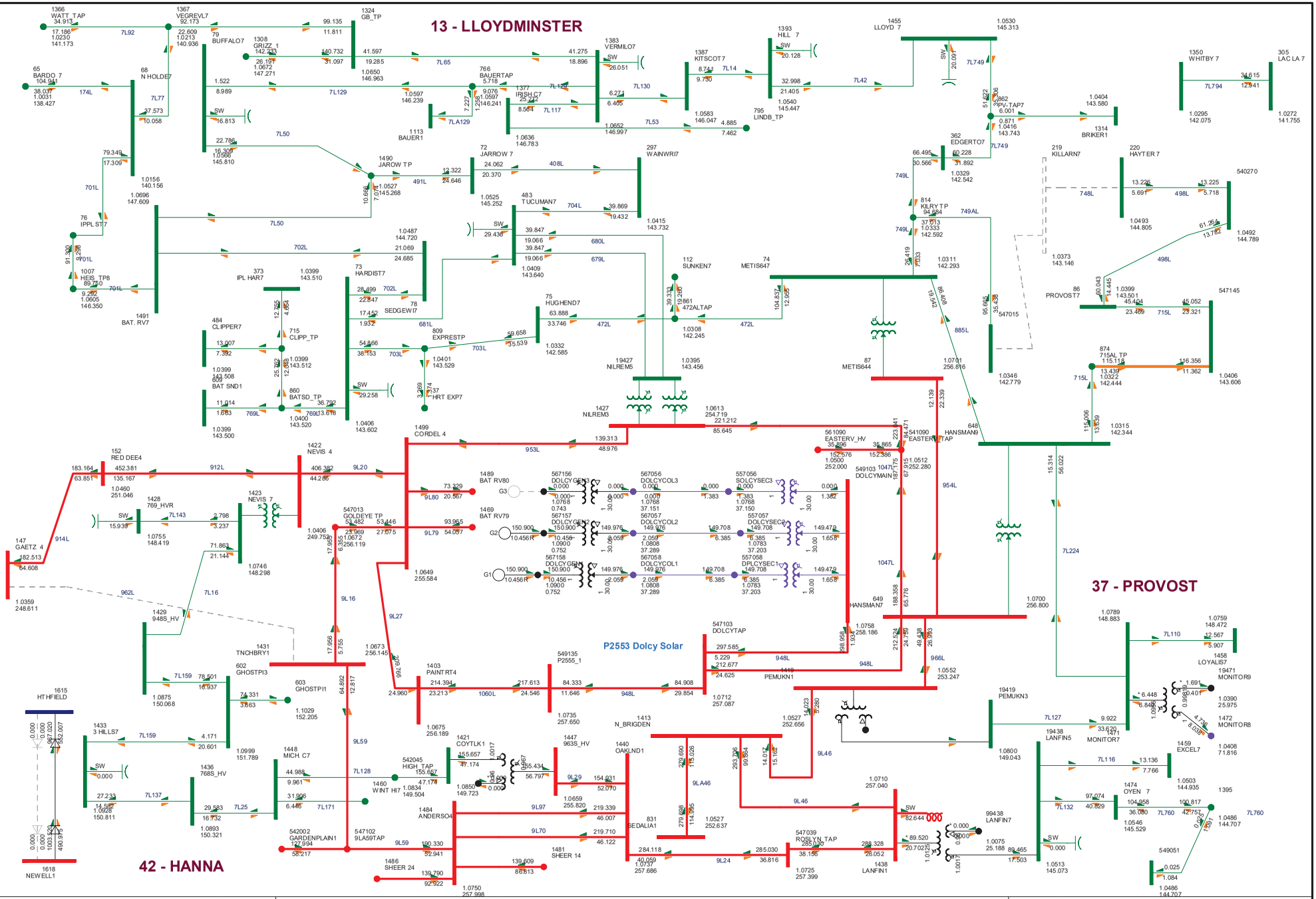


P2553 Dolcy Solar Battery MPC

FIGURE A3.6-20 N-1: EDGERTON 899S TRANSFORMER T1
2028 SUMMER PEAK HG (POST-CONNECTION) - SENSITIVITY
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

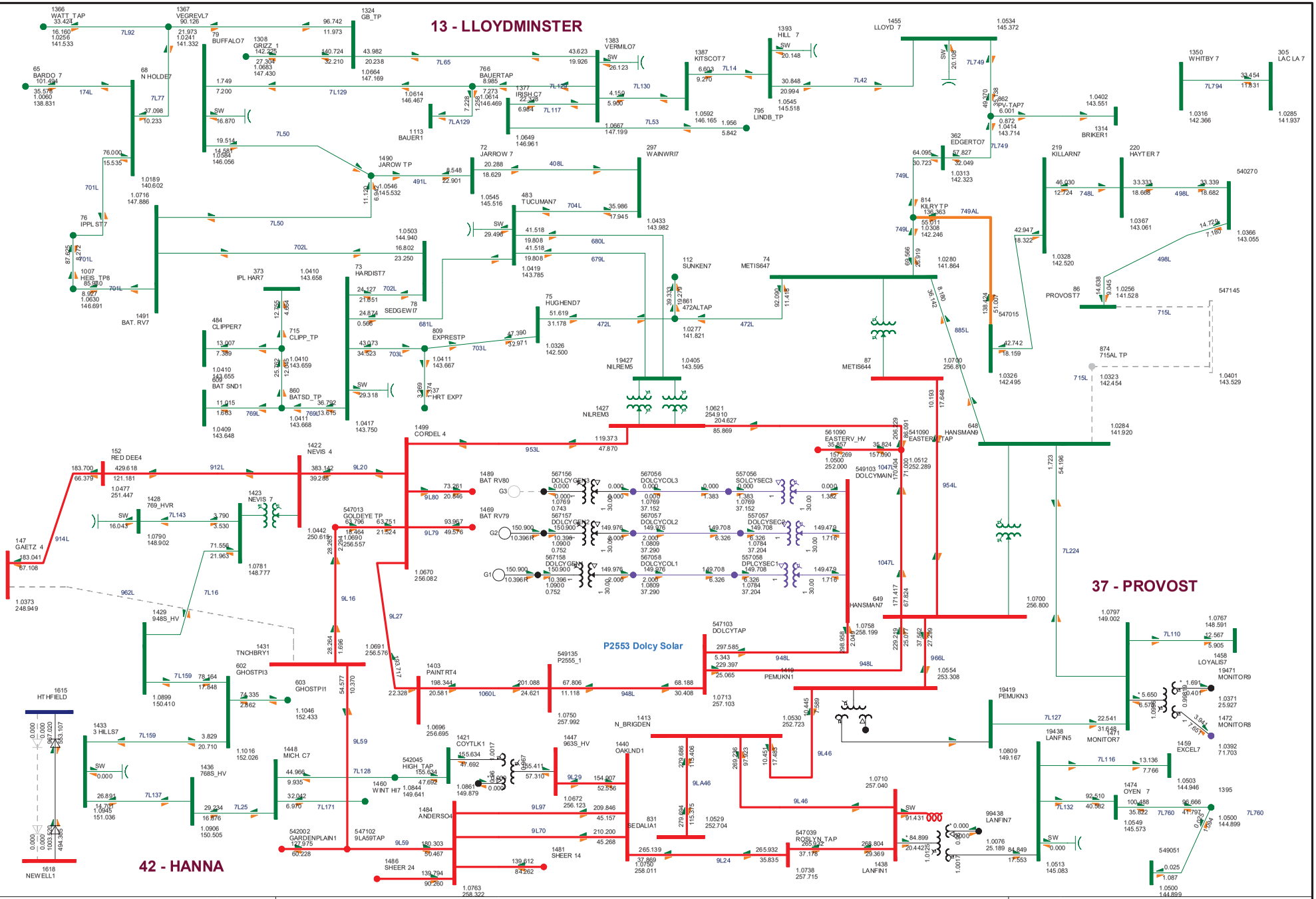


P2553 Dolcy Solar Battery MPC

FIGURE A3.6-21 N-1: KILLARNEY LAKE 267S TRANSFORMER T1
2028 SUMMER PEAK HG (POST-CONNECTION) - SENSITIVITY
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

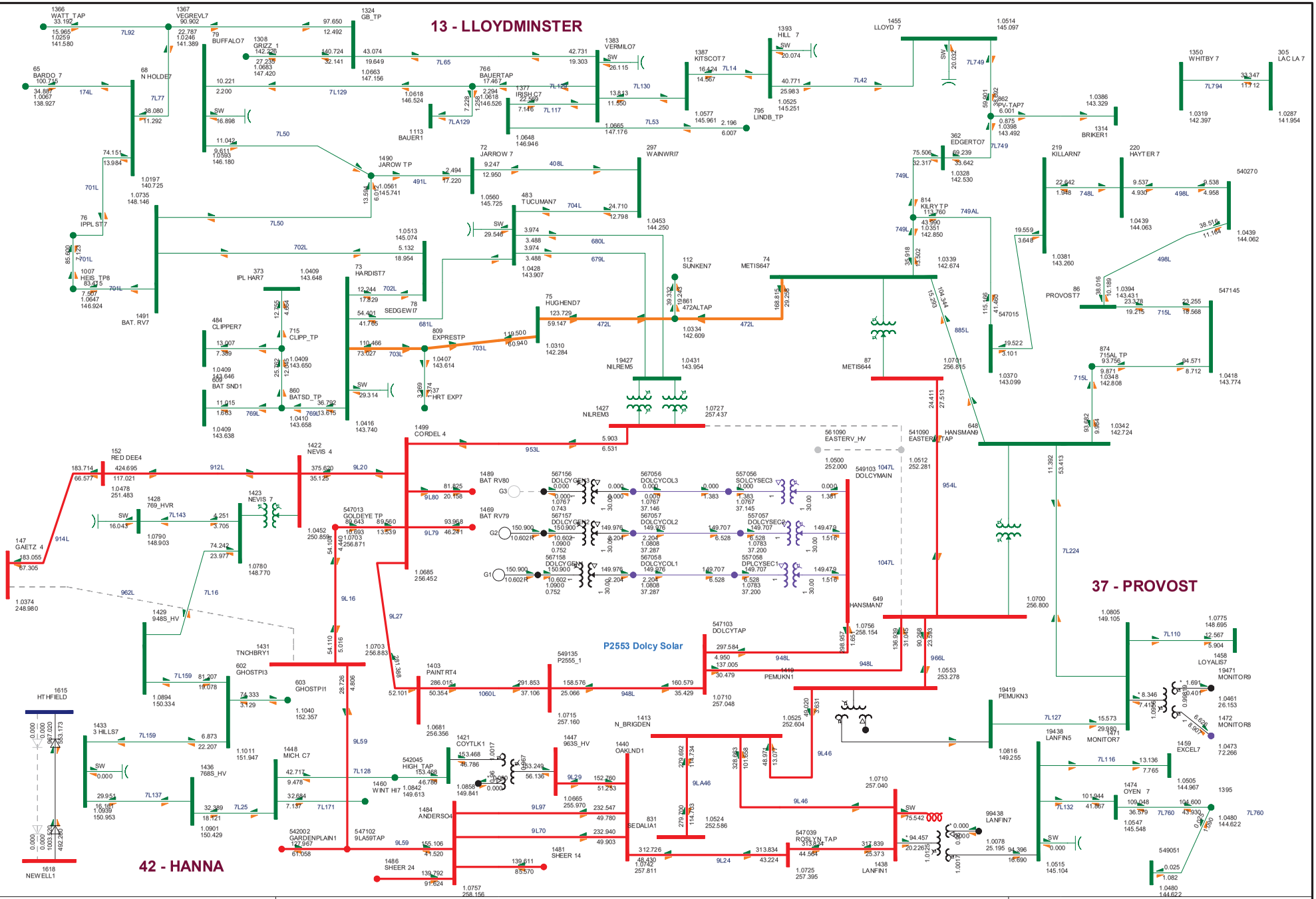


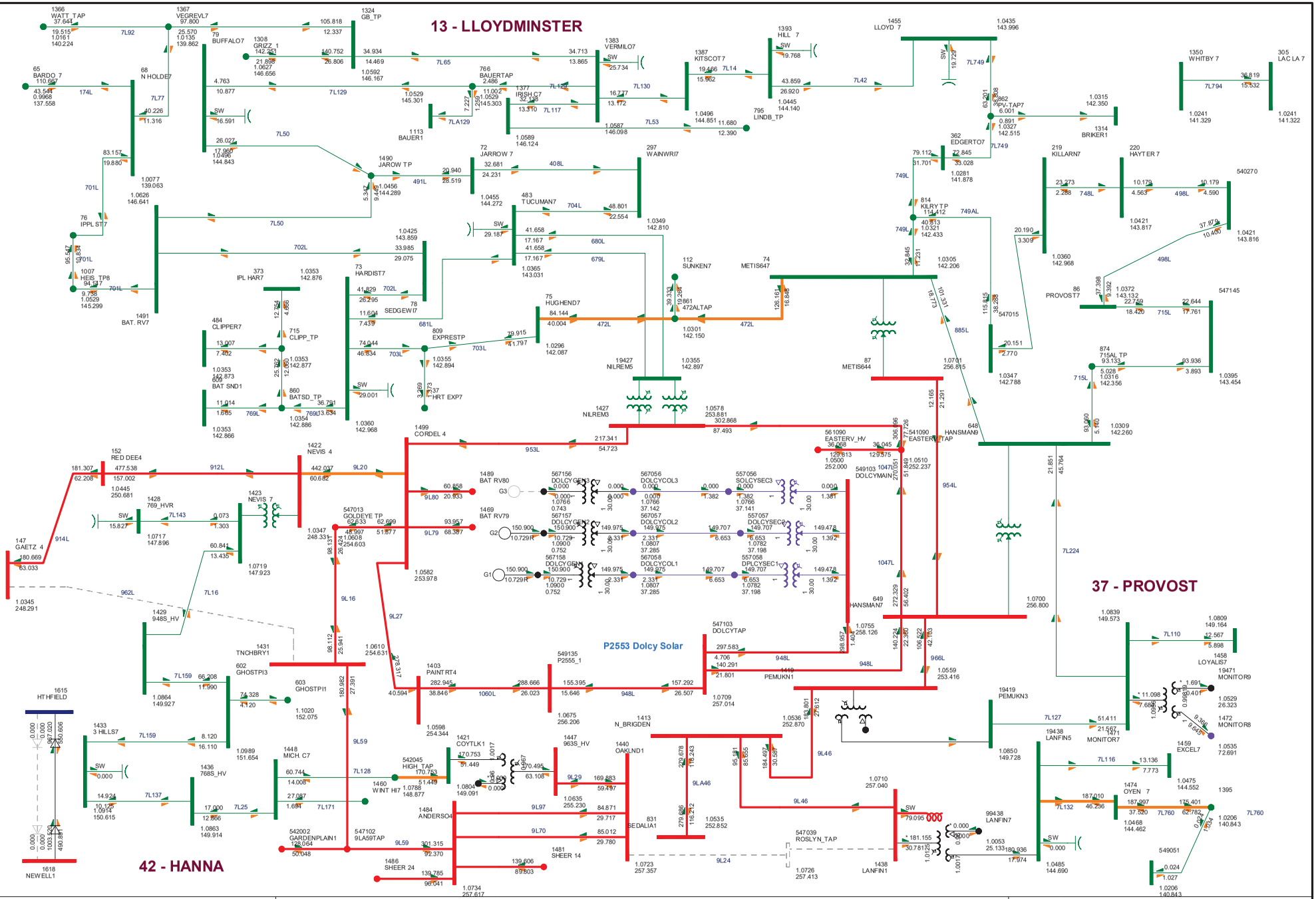
P2553 Dolcy Solar Battery MPC

FIGURE A3.6-22 N-1: 715L (HANSMAN LAKE 650S TO PROVOST 545S)
2028 SUMMER PEAK HG (POST-CONNECTION) - SENSITIVITY
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
1366 WATT_TAP 33.192
1367 VEGREVL7 90.902
1324 GB_TP
1308 GRIZZ_1 142.226
1383 VERMILO7
1387 KITSCOT7
1393 HILL_7
1455 LLOYD_7
1350 WHITBY 7
305 LAC LA 7
65 BARDO_7 100.745
68 N HOLDE7
766 BAUERTAP 17.467
1377 IRISH_C7 22.599
795 LINDB_TP
1113 BAUER1
1490 JAROW TP
72 JARROW 7
297 WAINWRI7
483 TUCUMAN7
112 SUNKEN7
74 METIS647
362 EDGERTO7
PV-TAP7 6.001
1314 BRIKER1
219 KILLARN7
220 HAYTER 7
540270
814 KILRY TP 113.760
76 IPPL ST7
1007 HEIS_TP8 63.415
1491 BAT. RV7
484 CLIPPER7
715 CLIPP_TP
609 BAT SND1
860 BATSD_TP 36.792
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
809 EXPRESTP
HRT EXP7
75 HUGHEND7
472ALTAP
472AL TP 113.760
86 PROVOST7
547145
547015
874 715AL TP 93.756
87 METIS644
19427 NILREM5
1427 NILREM3
1499 CORDEL 4
1422 NEVIS 4
152 RED DEE4
147 GAETZ_4
1428 769_HVR
1423 NEVIS_7
547013 GOLDEYE TP
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1403 PAINTRT4
549135 P2555_1
1489 BAT RV80
1469 BAT RV79
567156 DOLCYGEN3
567157 DOLCYGEN2
567158 DOLCYGEN1
567056 DOLCYCOL3
567057 DOLCYCOL2
567058 DOLCYCOL1
557056 SOLCYSEC3
557057 SOLCYSEC2
557058 DPLCYSEC1
541090 EASTERV_HV
541090 EASTERV_TAP
549103 DOLCYMAIN
547103 DOLCYTAP
1419 PEMUKN1
649 HANSMAN7
648 HANSMAN8
1615 HTHFIELD
1618 NEWELL1
1433 3 HILLS7
1436 768S_HV
1448 MICH. C7
542045 HIGH_TAP
1460 WINT HI7
542002 GARDENPLAIN1
547102 9LA59TAP
1421 COYTLK1
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
1484 ANDERSO4
831 SEDALIA1
1481 SHEER 14
1486 SHEER 24
547039 ROSLYN_TAP
1438 LANFIN1
99438 LANFIN7
19438 LANFIN5
19419 PEMUKN3
1471 MONITOR7
1472 MONITOR8
19471 MONITOR9
1458 LOYALIS7
1459 EXCEL7
1474 OYEN 7
1395
549051
1480 144.622
P2553 Dolcy Solar Battery MPC
FIGURE A3.6-23 N-1: 1047L (HANSMAN LAKE 650S TO NILREM 574S)
2028 SUMMER PEAK HG (POST-CONNECTION) - SENSITIVITY
PRINTED ON TUESDAY 08. APRIL 2025
Page 249 of 615
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

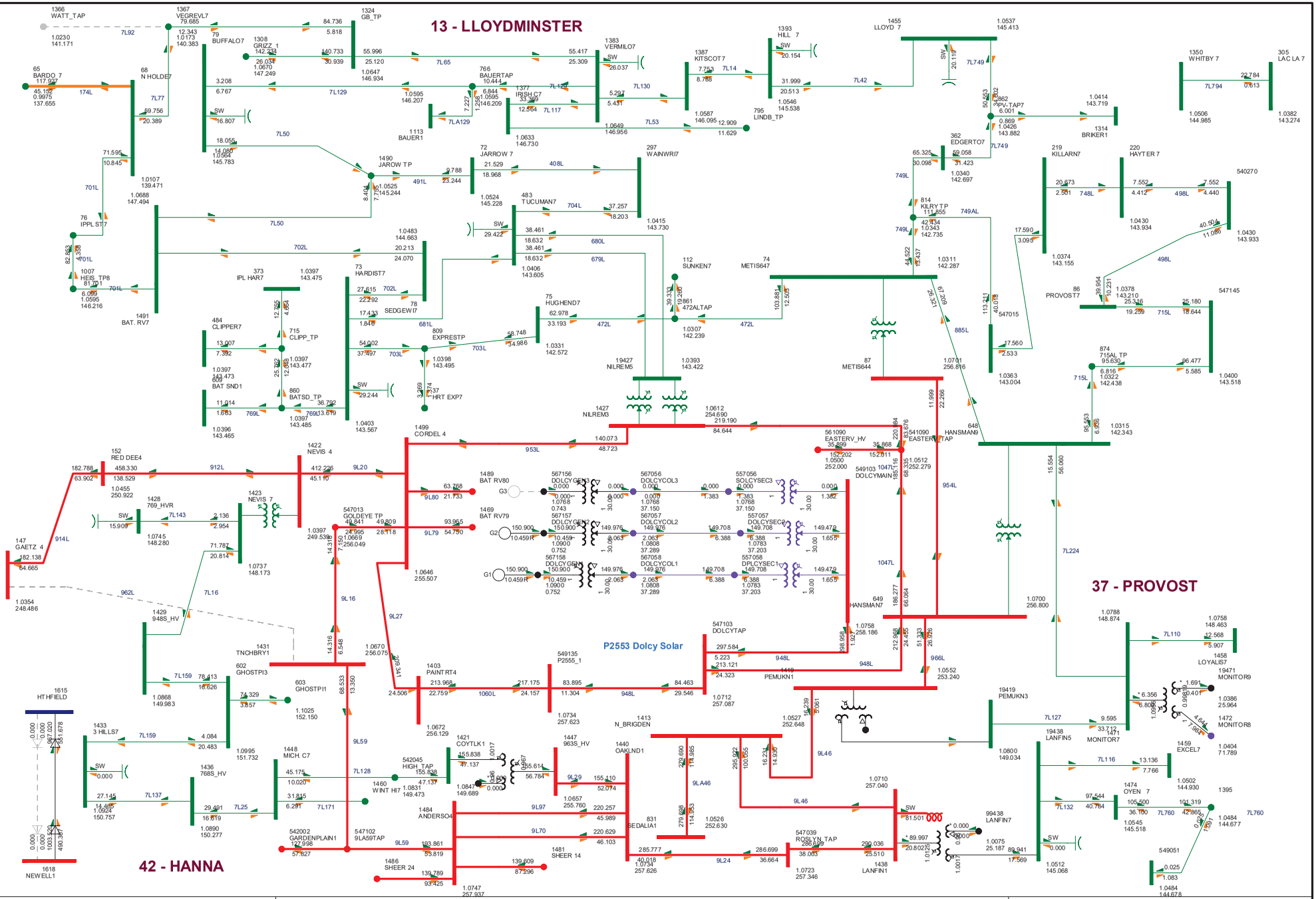


P2553 Dolcy Solar Battery MPC

FIGURE A3.6-24 N-1: 9L24 (OAKLAND 946S - LANFINE 959S)
2028 SUMMER PEAK HG (POST-CONNECTION) - SENSITIVITY
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000



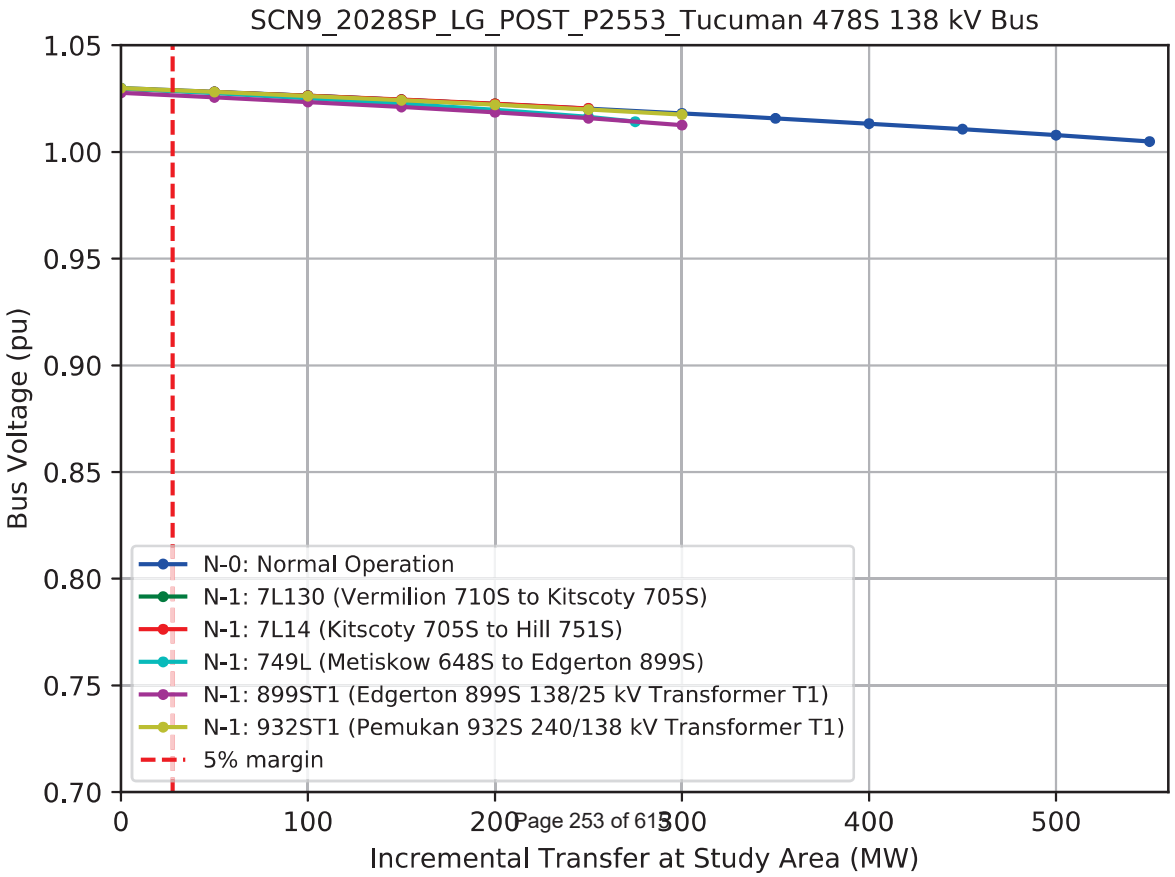
P2553 Dolcy Solar Battery MPC

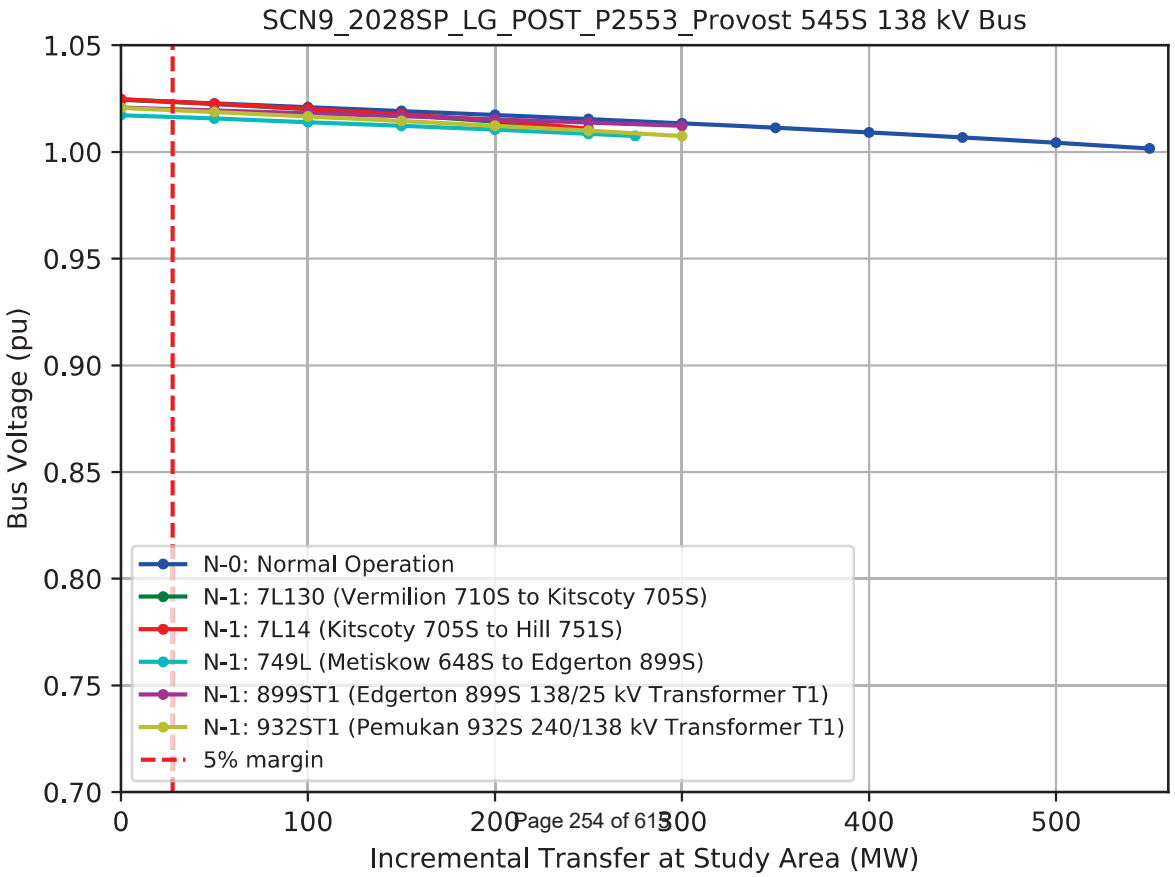
FIGURE A3.6-25 N-1: 7L92 (VEGREVILLE 709S TO WHITBY LAKE 819S)
2028 SUMMER PEAK HG (POST-CONNECTION) - SENSITIVITY
PRINTED ON TUESDAY 08. APRIL 2025

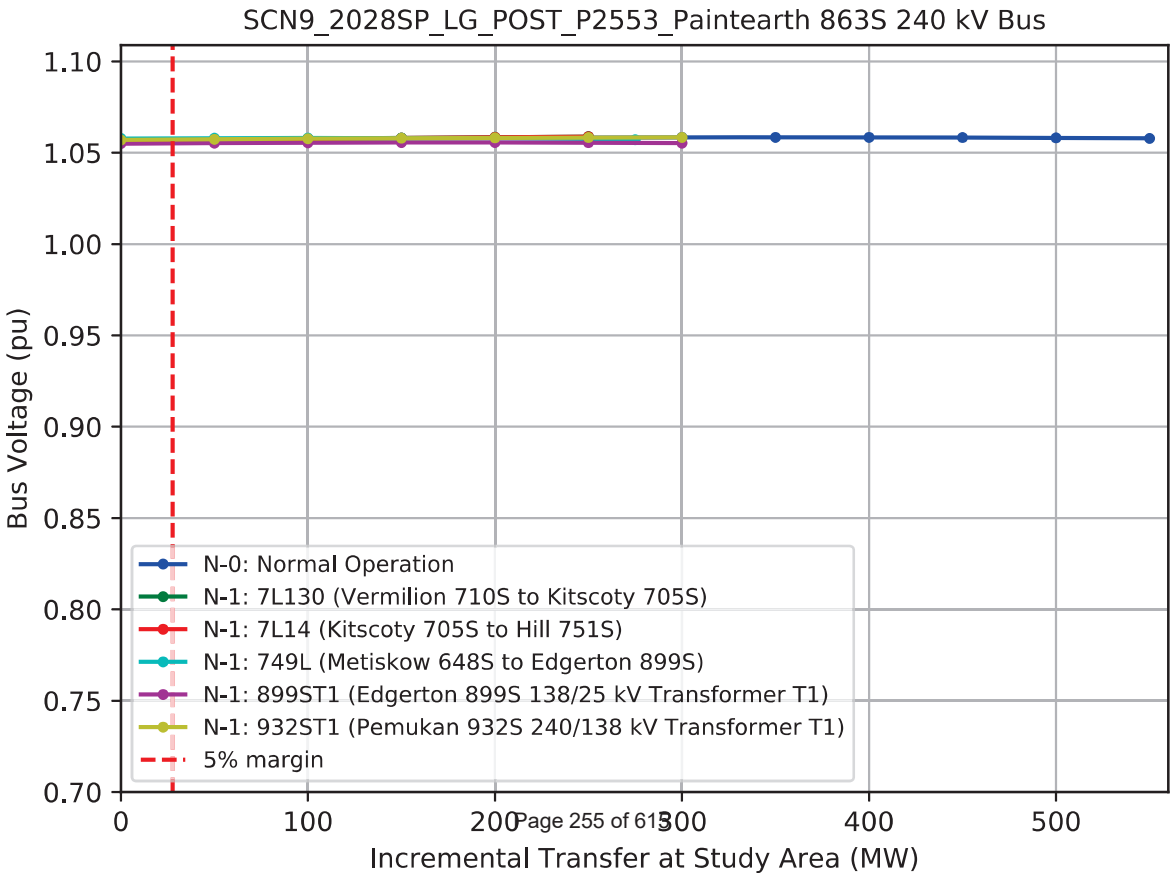
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

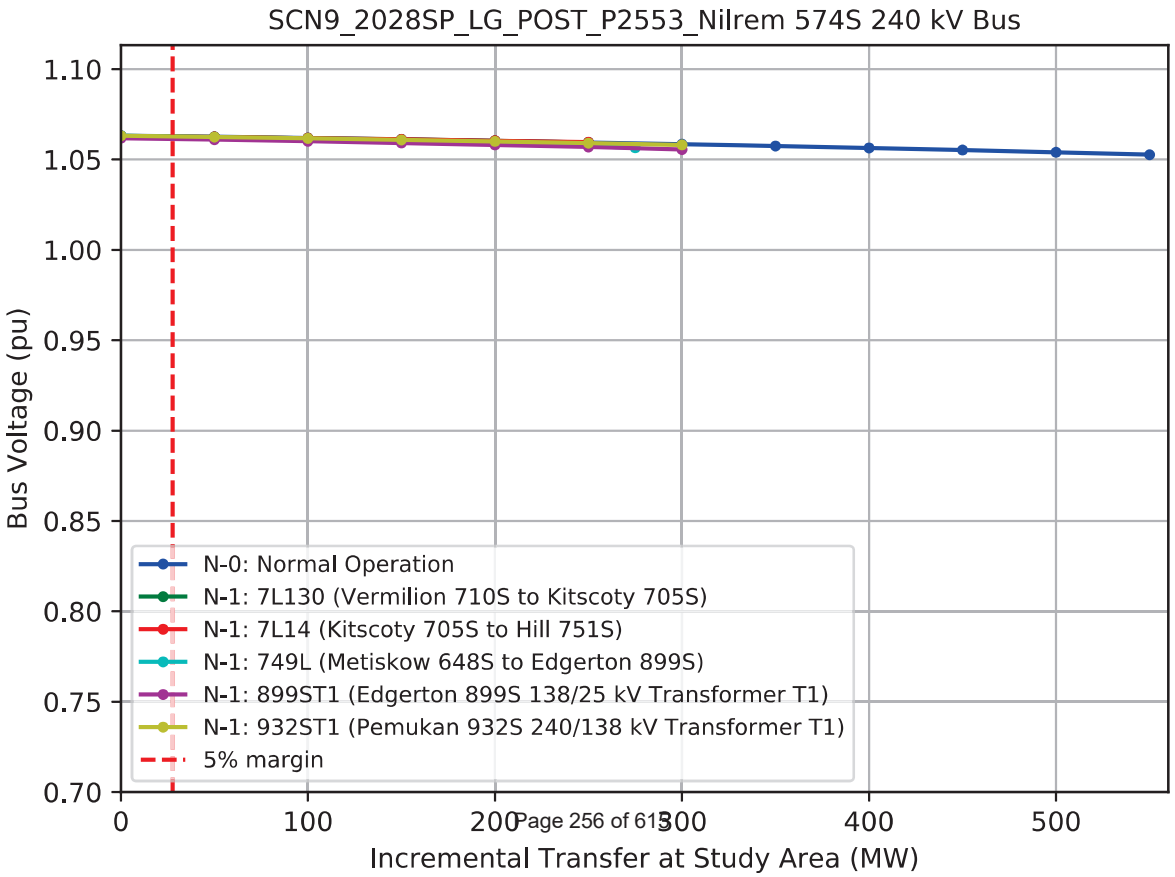
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

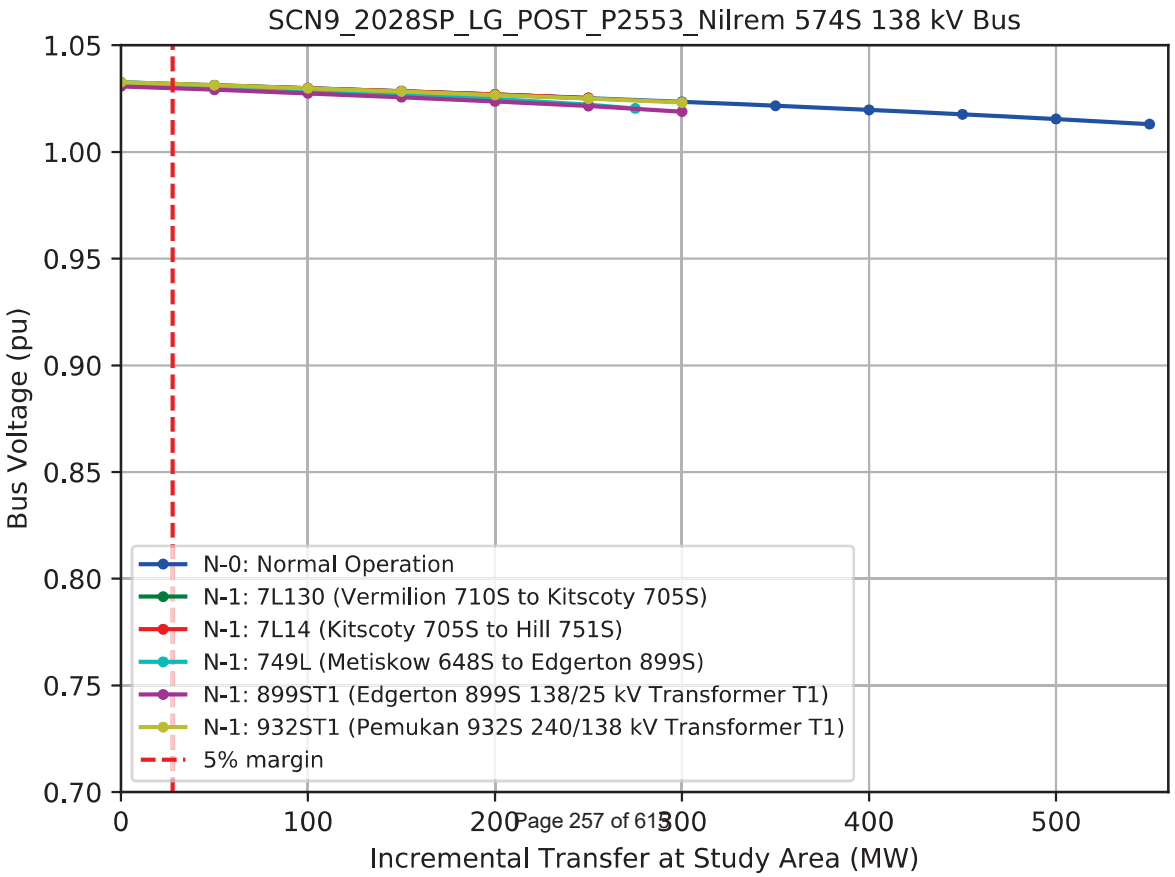
Attachment A4
Post-Project Voltage Stability Diagrams

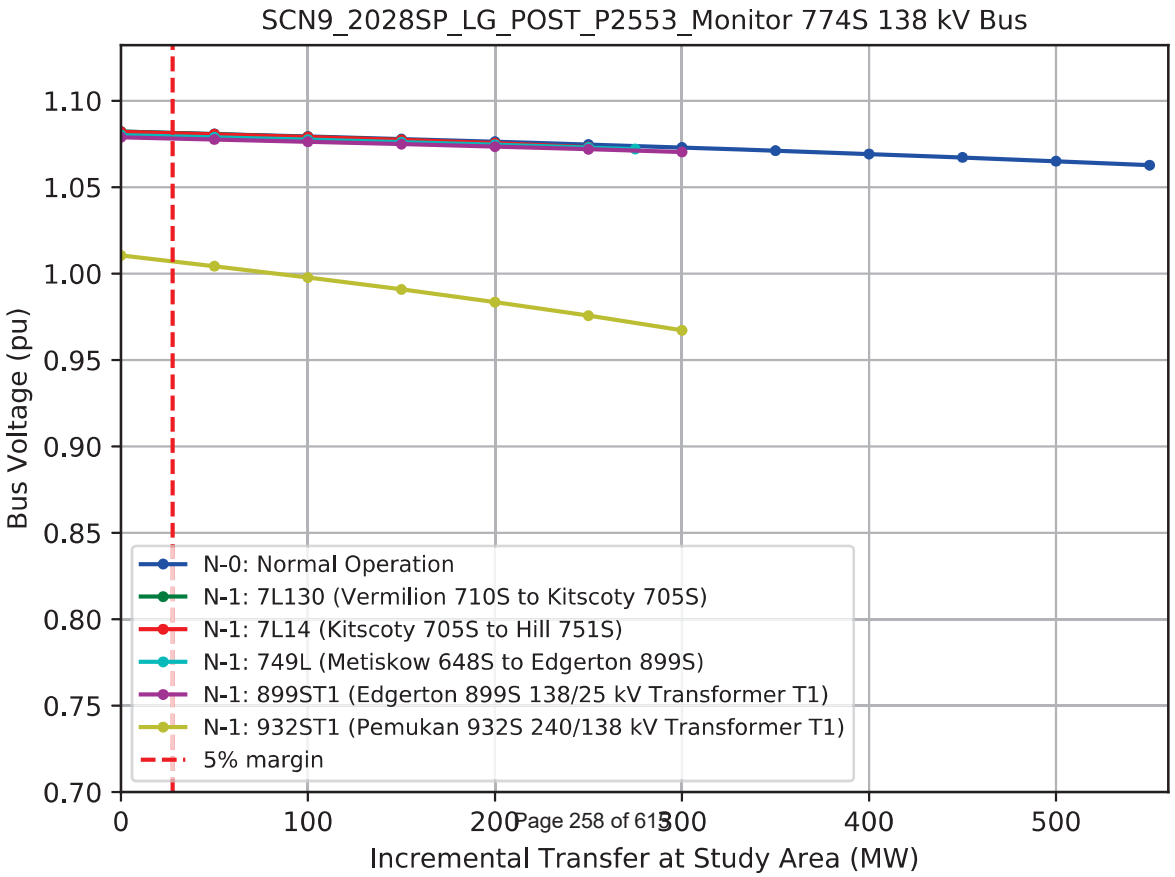

SCN9_2028SP_LG_POST_P2553_Tucuman 478S 138 kV Bus
Bus Voltage (pu)
1.05
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0
100
200
300
400
500
Incremental Transfer at Study Area (MW)
N-0: Normal Operation
N-1: 7L130 (Vermilion 710S to Kitscoty 705S)
N-1: 7L14 (Kitscoty 705S to Hill 751S)
N-1: 749L (Metiskow 648S to Edgerton 899S)
N-1: 899ST1 (Edgerton 899S 138/25 kV Transformer T1)
N-1: 932ST1 (Pemukan 932S 240/138 kV Transformer T1)
5% margin

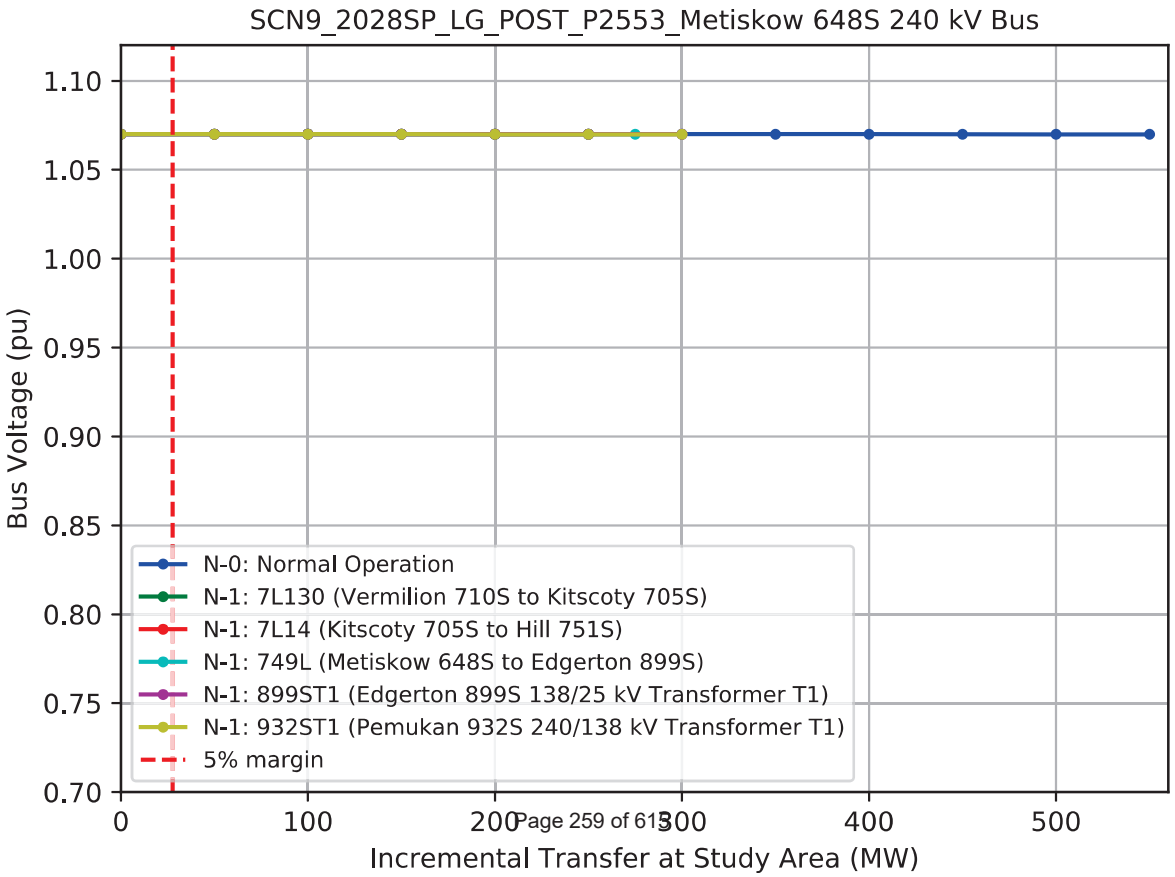

SCN9_2028SP_LG_POST_P2553_Provost 545S 138 kV Bus
Bus Voltage (pu)
1.05
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0
100
200
300
400
500
Incremental Transfer at Study Area (MW)
N-0: Normal Operation
N-1: 7L130 (Vermilion 710S to Kitscoty 705S)
N-1: 7L14 (Kitscoty 705S to Hill 751S)
N-1: 749L (Metiskow 648S to Edgerton 899S)
N-1: 899ST1 (Edgerton 899S 138/25 kV Transformer T1)
N-1: 932ST1 (Pemukan 932S 240/138 kV Transformer T1)
5% margin

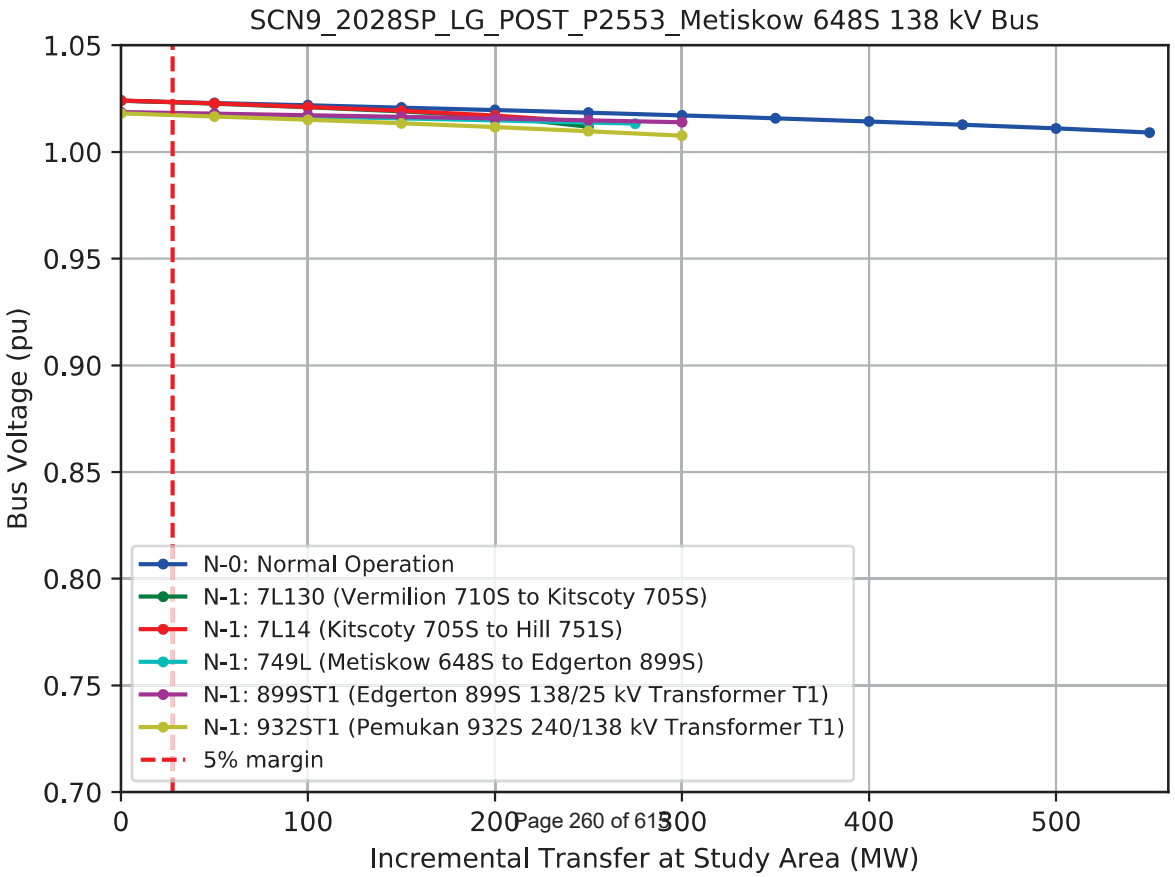

SCN9_2028SP_LG_POST_P2553_Paintearth 863S 240 kV Bus
Bus Voltage (pu)
1.10
1.05
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0
100
200
300
400
500
Incremental Transfer at Study Area (MW)
N-0: Normal Operation
N-1: 7L130 (Vermilion 710S to Kitscoty 705S)
N-1: 7L14 (Kitscoty 705S to Hill 751S)
N-1: 749L (Metiskow 648S to Edgerton 899S)
N-1: 899ST1 (Edgerton 899S 138/25 kV Transformer T1)
N-1: 932ST1 (Pemukan 932S 240/138 kV Transformer T1)
5% margin

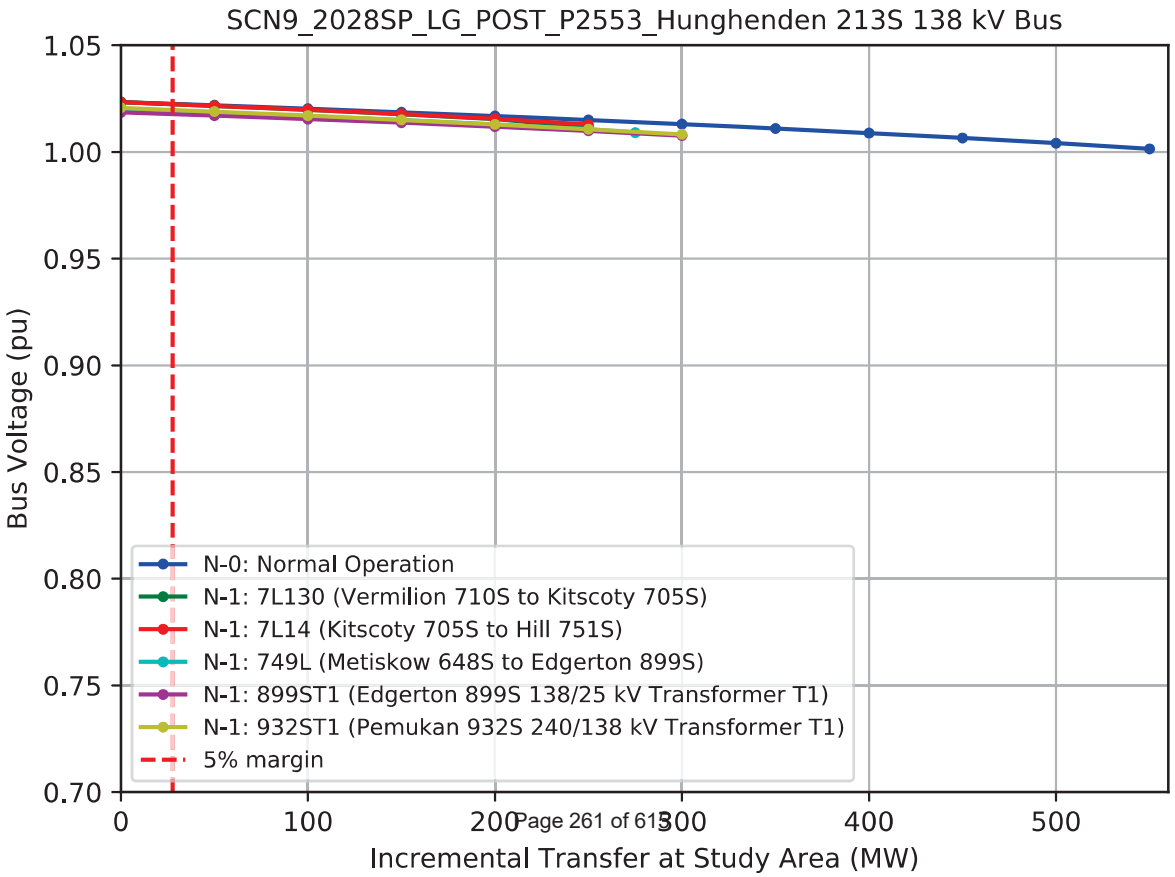

SCN9_2028SP_LG_POST_P2553_Nilrem 574S 240 kV Bus
Bus Voltage (pu)
1.10
1.05
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0
100
200
300
400
500
Incremental Transfer at Study Area (MW)
N-0: Normal Operation
N-1: 7L130 (Vermilion 710S to Kitscoty 705S)
N-1: 7L14 (Kitscoty 705S to Hill 751S)
N-1: 749L (Metiskow 648S to Edgerton 899S)
N-1: 899ST1 (Edgerton 899S 138/25 kV Transformer T1)
N-1: 932ST1 (Pemukan 932S 240/138 kV Transformer T1)
5% margin

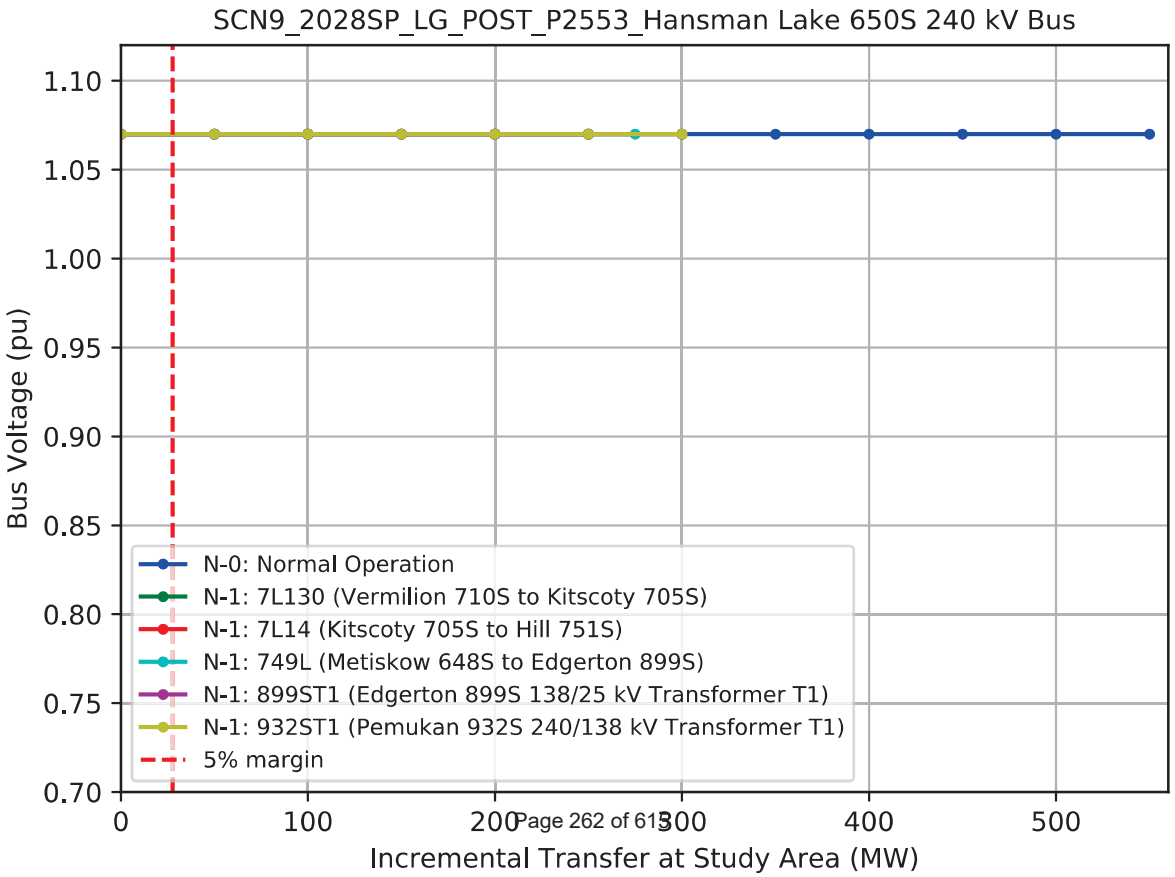

SCN9_2028SP_LG_POST_P2553_Nilrem 574S 138 kV Bus
Bus Voltage (pu)
1.05
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0
100
200
300
400
500
Incremental Transfer at Study Area (MW)
N-0: Normal Operation
N-1: 7L130 (Vermilion 710S to Kitscoty 705S)
N-1: 7L14 (Kitscoty 705S to Hill 751S)
N-1: 749L (Metiskow 648S to Edgerton 899S)
N-1: 899ST1 (Edgerton 899S 138/25 kV Transformer T1)
N-1: 932ST1 (Pemukan 932S 240/138 kV Transformer T1)
5% margin

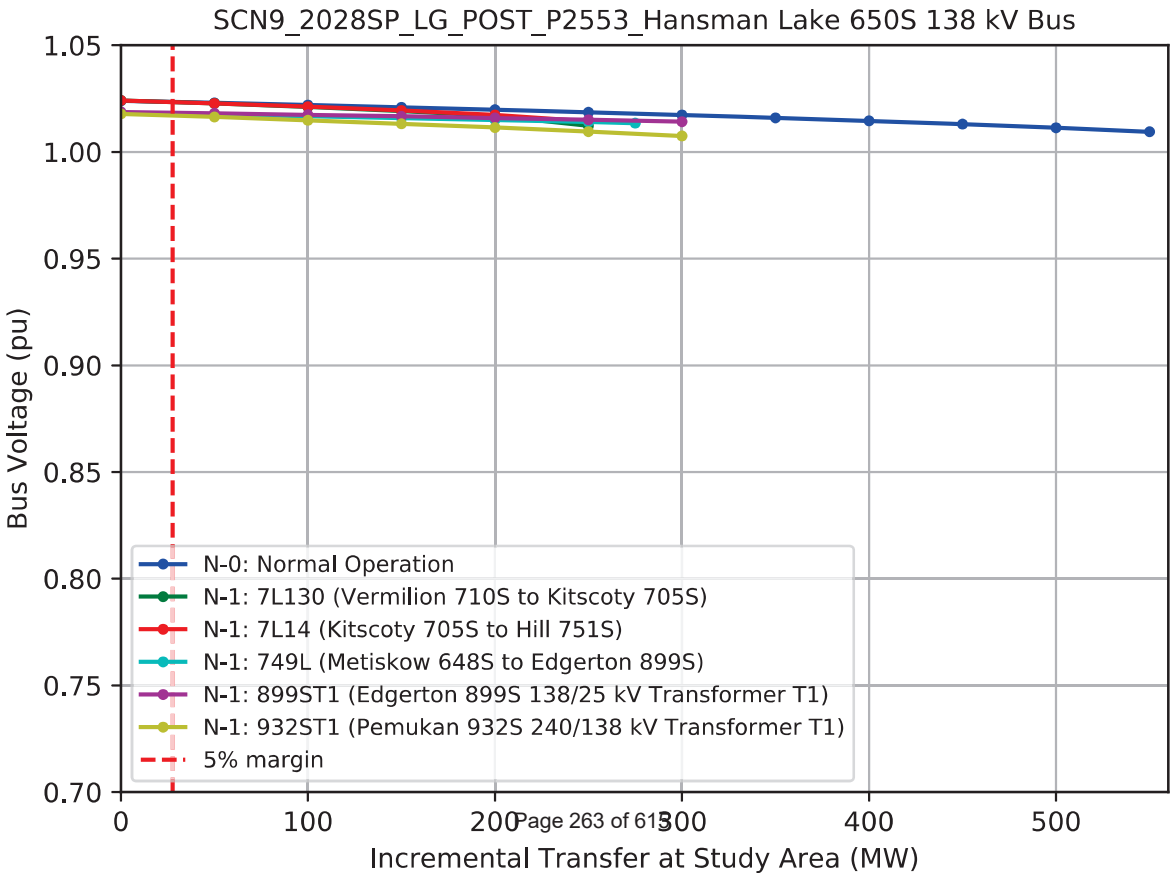

SCN9_2028SP_LG_POST_P2553_Monitor 774S 138 kV Bus
Bus Voltage (pu)
1.10
1.05
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0
100
200
300
400
500
Incremental Transfer at Study Area (MW)
N-0: Normal Operation
N-1: 7L130 (Vermilion 710S to Kitscoty 705S)
N-1: 7L14 (Kitscoty 705S to Hill 751S)
N-1: 749L (Metiskow 648S to Edgerton 899S)
N-1: 899ST1 (Edgerton 899S 138/25 kV Transformer T1)
N-1: 932ST1 (Pemukan 932S 240/138 kV Transformer T1)
5% margin

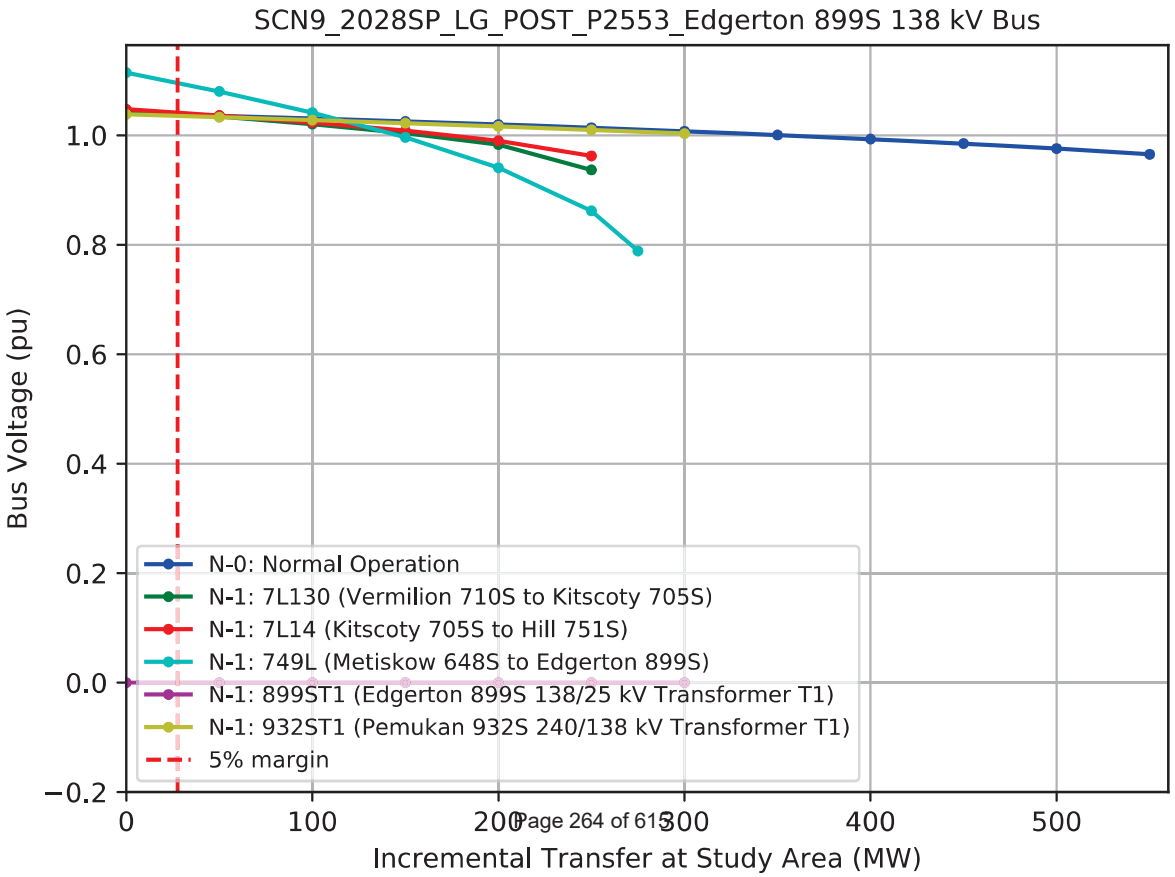

SCN9_2028SP_LG_POST_P2553_Metiskow 648S 240 kV Bus
Bus Voltage (pu)
1.10
1.05
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0
100
200
300
400
500
Incremental Transfer at Study Area (MW)
N-0: Normal Operation
N-1: 7L130 (Vermilion 710S to Kitscoty 705S)
N-1: 7L14 (Kitscoty 705S to Hill 751S)
N-1: 749L (Metiskow 648S to Edgerton 899S)
N-1: 899ST1 (Edgerton 899S 138/25 kV Transformer T1)
N-1: 932ST1 (Pemukan 932S 240/138 kV Transformer T1)
5% margin

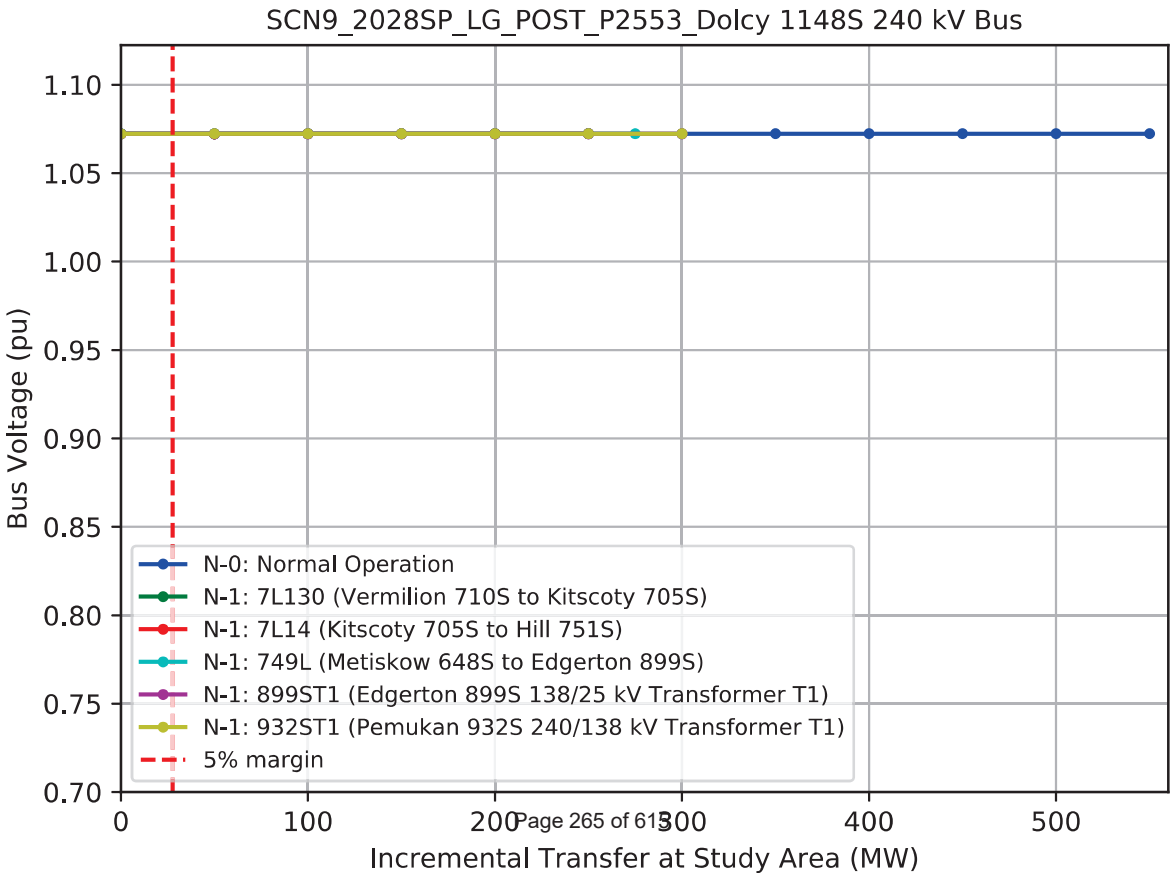

SCN9_2028SP_LG_POST_P2553_Metiskow 648S 138 kV Bus
Bus Voltage (pu)
1.05
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0
100
200
300
400
500
Incremental Transfer at Study Area (MW)
N-0: Normal Operation
N-1: 7L130 (Vermilion 710S to Kitscoty 705S)
N-1: 7L14 (Kitscoty 705S to Hill 751S)
N-1: 749L (Metiskow 648S to Edgerton 899S)
N-1: 899ST1 (Edgerton 899S 138/25 kV Transformer T1)
N-1: 932ST1 (Pemukan 932S 240/138 kV Transformer T1)
5% margin

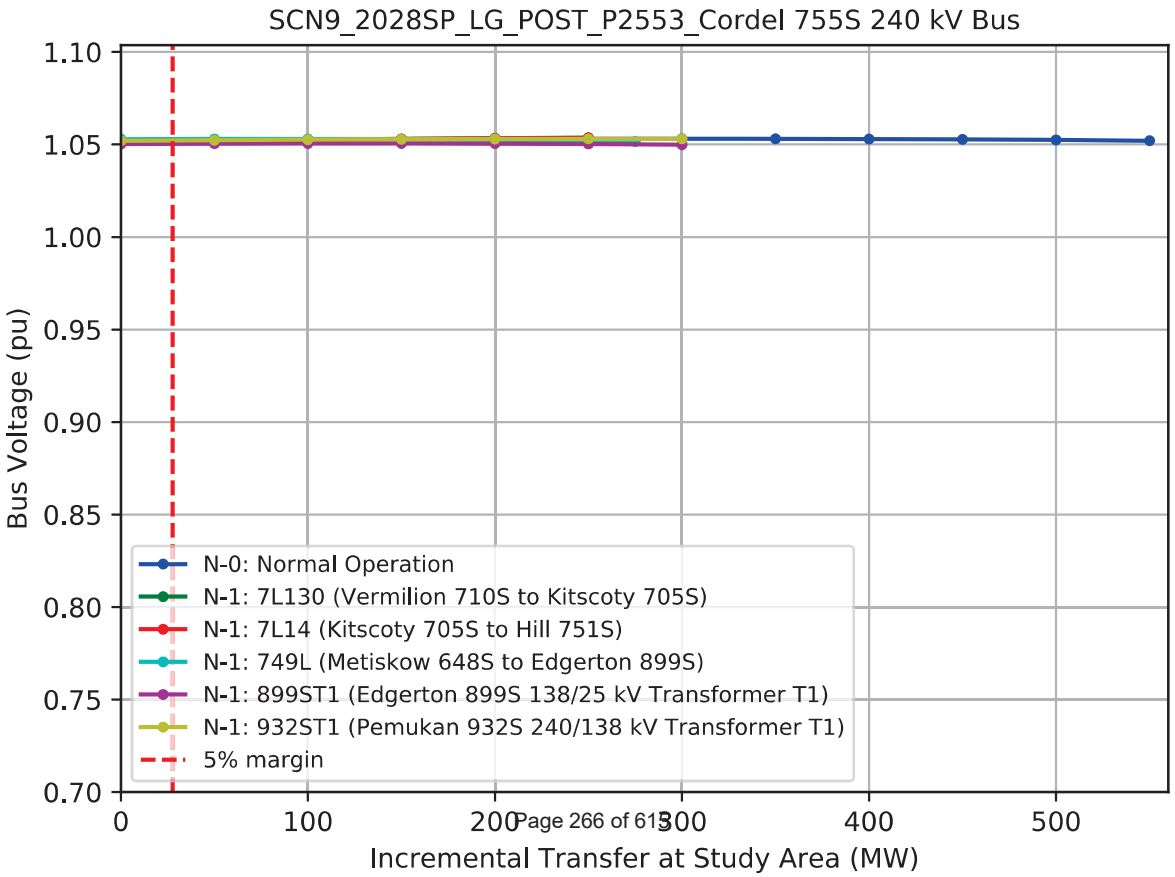

SCN9_2028SP_LG_POST_P2553_Hunghenden 213S 138 kV Bus
Bus Voltage (pu)
1.05
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0
100
200
300
400
500
Incremental Transfer at Study Area (MW)
N-0: Normal Operation
N-1: 7L130 (Vermilion 710S to Kitscoty 705S)
N-1: 7L14 (Kitscoty 705S to Hill 751S)
N-1: 749L (Metiskow 648S to Edgerton 899S)
N-1: 899ST1 (Edgerton 899S 138/25 kV Transformer T1)
N-1: 932ST1 (Pemukan 932S 240/138 kV Transformer T1)
5% margin

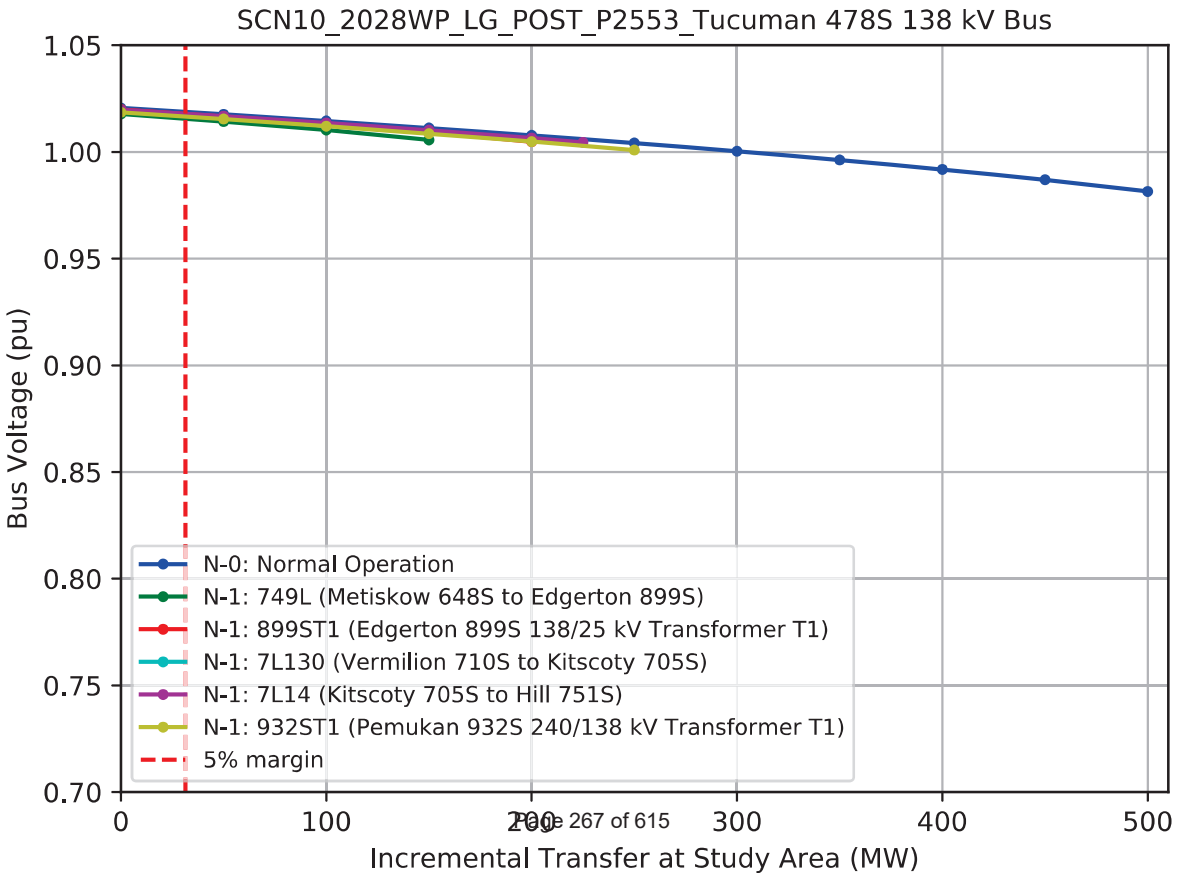

SCN9_2028SP_LG_POST_P2553_Hansman Lake 650S 240 kV Bus
Bus Voltage (pu)
1.10
1.05
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0
100
200
300
400
500
Incremental Transfer at Study Area (MW)
N-0: Normal Operation
N-1: 7L130 (Vermilion 710S to Kitscoty 705S)
N-1: 7L14 (Kitscoty 705S to Hill 751S)
N-1: 749L (Metiskow 648S to Edgerton 899S)
N-1: 899ST1 (Edgerton 899S 138/25 kV Transformer T1)
N-1: 932ST1 (Pemukan 932S 240/138 kV Transformer T1)
5% margin

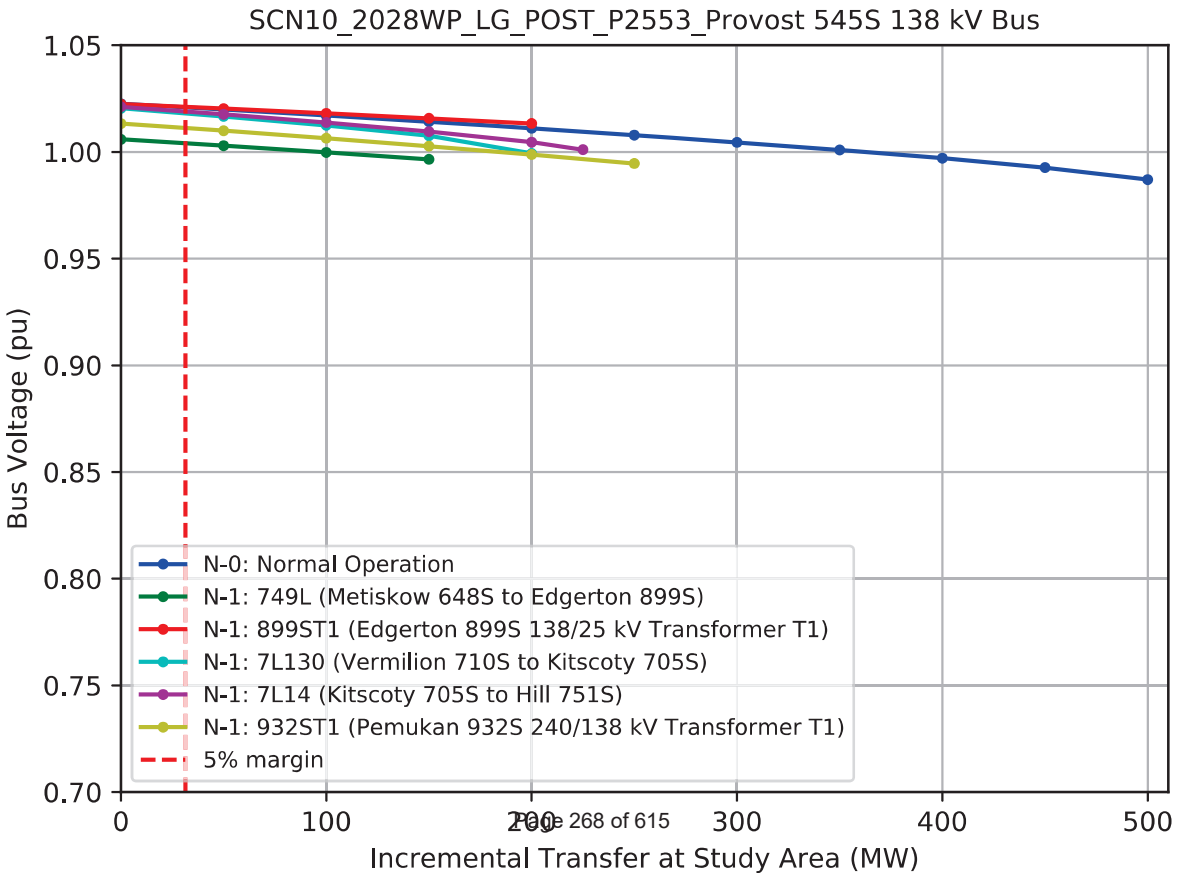

SCN9_2028SP_LG_POST_P2553_Hansman Lake 650S 138 kV Bus
Bus Voltage (pu)
1.05
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0
100
200
300
400
500
Incremental Transfer at Study Area (MW)
N-0: Normal Operation
N-1: 7L130 (Vermilion 710S to Kitscoty 705S)
N-1: 7L14 (Kitscoty 705S to Hill 751S)
N-1: 749L (Metiskow 648S to Edgerton 899S)
N-1: 899ST1 (Edgerton 899S 138/25 kV Transformer T1)
N-1: 932ST1 (Pemukan 932S 240/138 kV Transformer T1)
5% margin

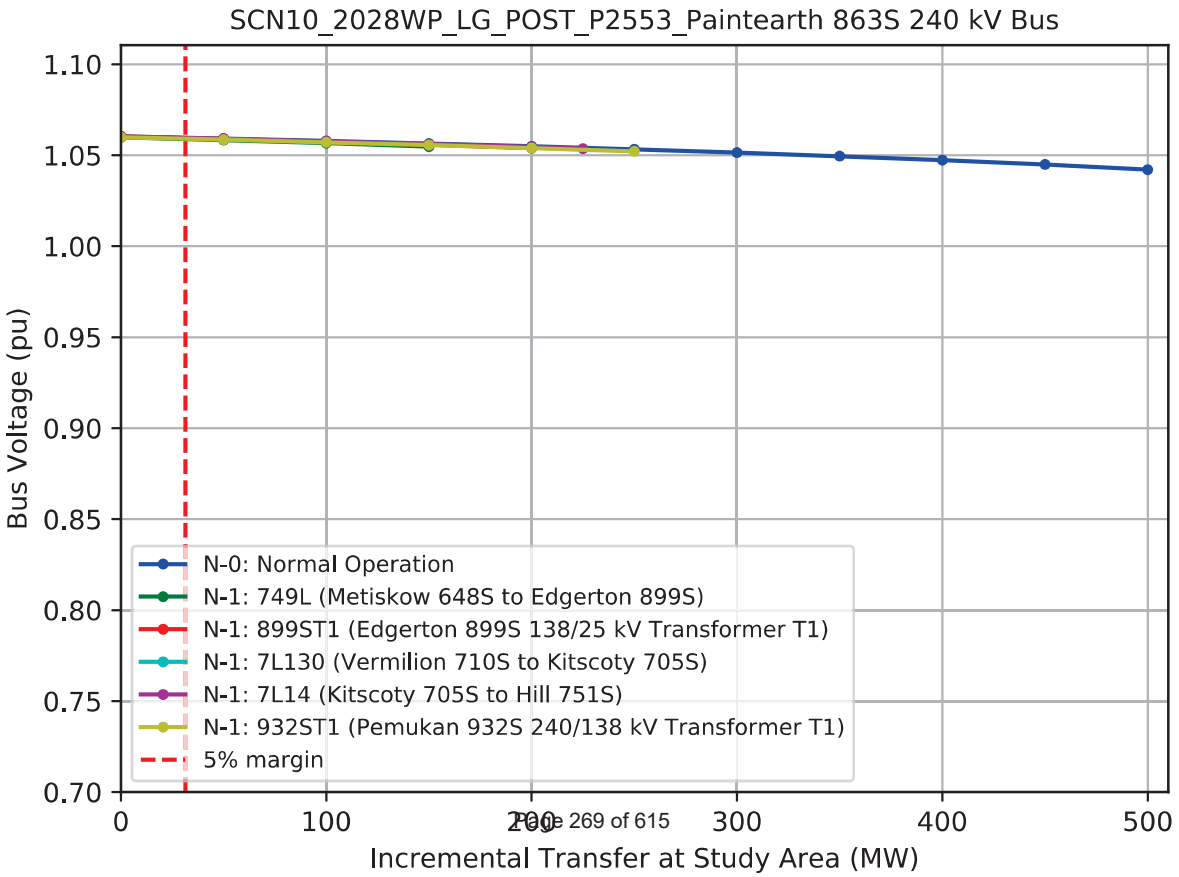

SCN9_2028SP_LG_POST_P2553_Edgerton 899S 138 kV Bus
Bus Voltage (pu)
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
0
100
200
300
400
500
Incremental Transfer at Study Area (MW)
N-0: Normal Operation
N-1: 7L130 (Vermilion 710S to Kitscoty 705S)
N-1: 7L14 (Kitscoty 705S to Hill 751S)
N-1: 749L (Metiskow 648S to Edgerton 899S)
N-1: 899ST1 (Edgerton 899S 138/25 kV Transformer T1)
N-1: 932ST1 (Pemukan 932S 240/138 kV Transformer T1)
5% margin

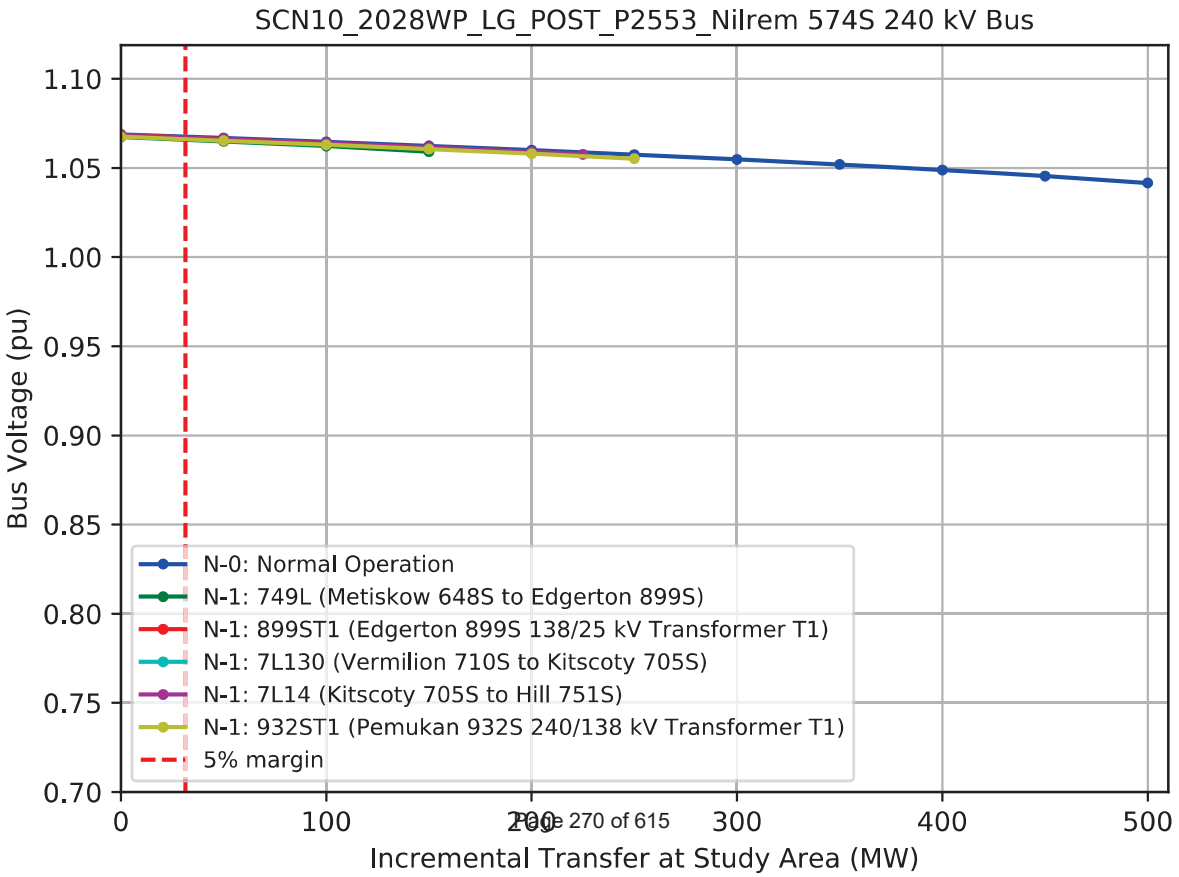

SCN9_2028SP_LG_POST_P2553_Dolcy 1148S 240 kV Bus
Bus Voltage (pu)
1.10
1.05
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0
100
200
300
400
500
Incremental Transfer at Study Area (MW)
N-0: Normal Operation
N-1: 7L130 (Vermilion 710S to Kitscoty 705S)
N-1: 7L14 (Kitscoty 705S to Hill 751S)
N-1: 749L (Metiskow 648S to Edgerton 899S)
N-1: 899ST1 (Edgerton 899S 138/25 kV Transformer T1)
N-1: 932ST1 (Pemukan 932S 240/138 kV Transformer T1)
5% margin

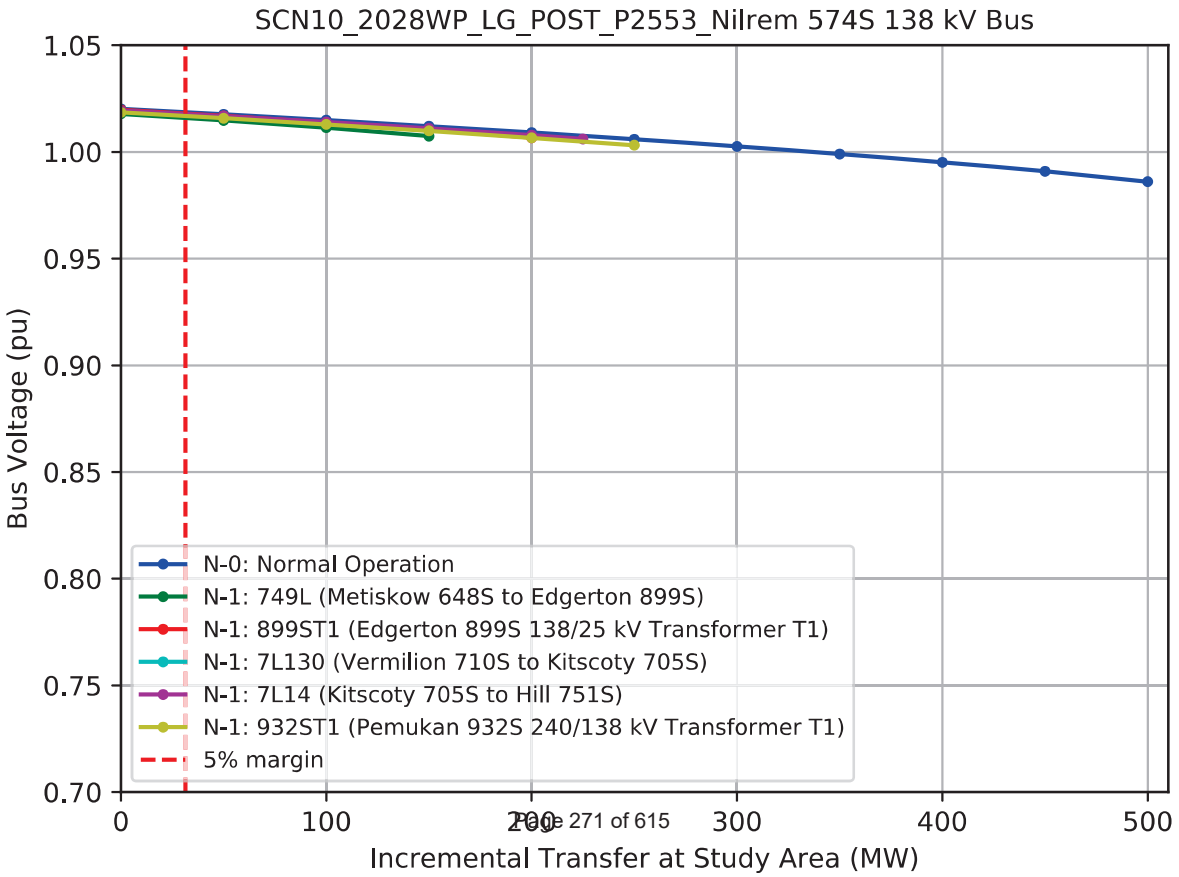

SCN9_2028SP_LG_POST_P2553_Cordel 755S 240 kV Bus
Bus Voltage (pu)
1.10
1.05
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0
100
200
300
400
500
Incremental Transfer at Study Area (MW)
N-0: Normal Operation
N-1: 7L130 (Vermilion 710S to Kitscoty 705S)
N-1: 7L14 (Kitscoty 705S to Hill 751S)
N-1: 749L (Metiskow 648S to Edgerton 899S)
N-1: 899ST1 (Edgerton 899S 138/25 kV Transformer T1)
N-1: 932ST1 (Pemukan 932S 240/138 kV Transformer T1)
5% margin

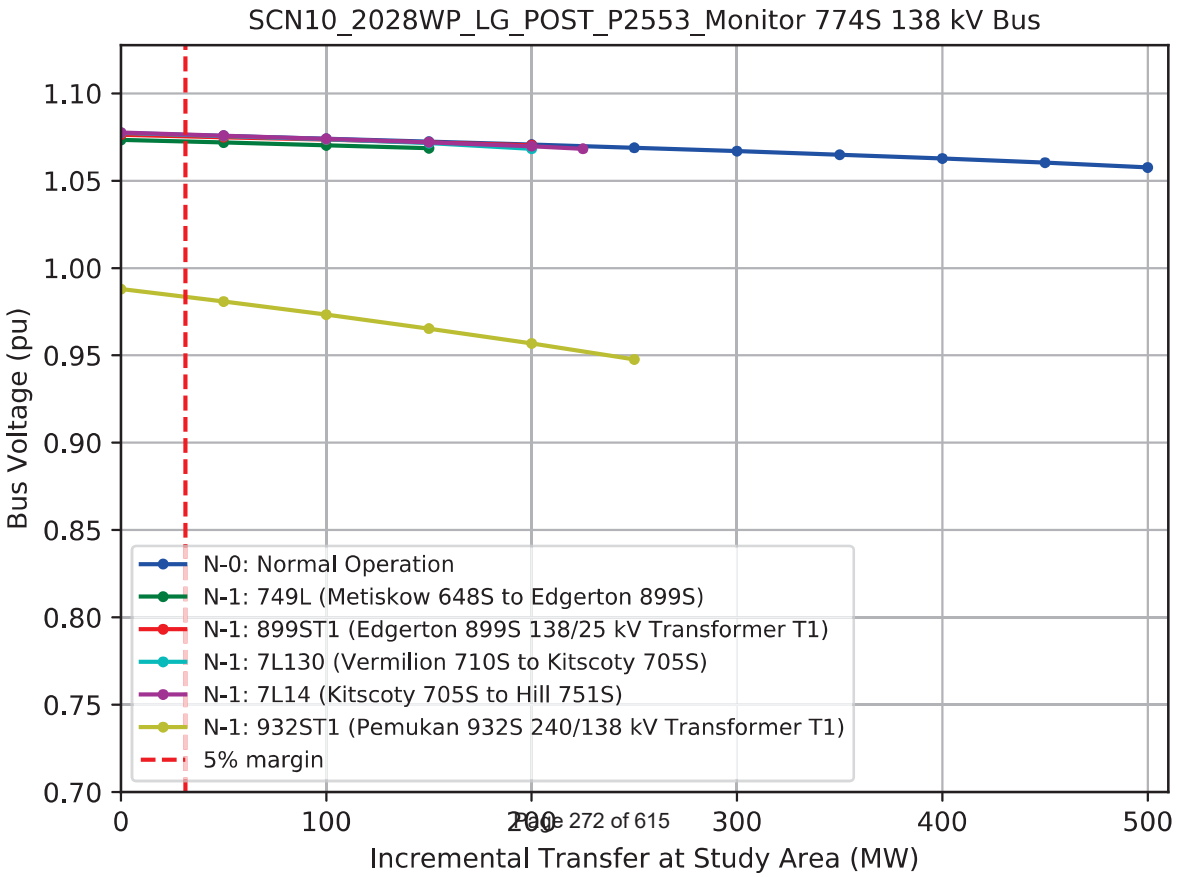

SCN10_2028WP_LG_POST_P2553_Tucuman 478S 138 kV Bus
Bus Voltage (pu)
1.05
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0
100
200
300
400
500
Incremental Transfer at Study Area (MW)
N-0: Normal Operation
N-1: 749L (Metiskow 648S to Edgerton 899S)
N-1: 899ST1 (Edgerton 899S 138/25 kV Transformer T1)
N-1: 7L130 (Vermilion 710S to Kitscoty 705S)
N-1: 7L14 (Kitscoty 705S to Hill 751S)
N-1: 932ST1 (Pemukan 932S 240/138 kV Transformer T1)
5% margin

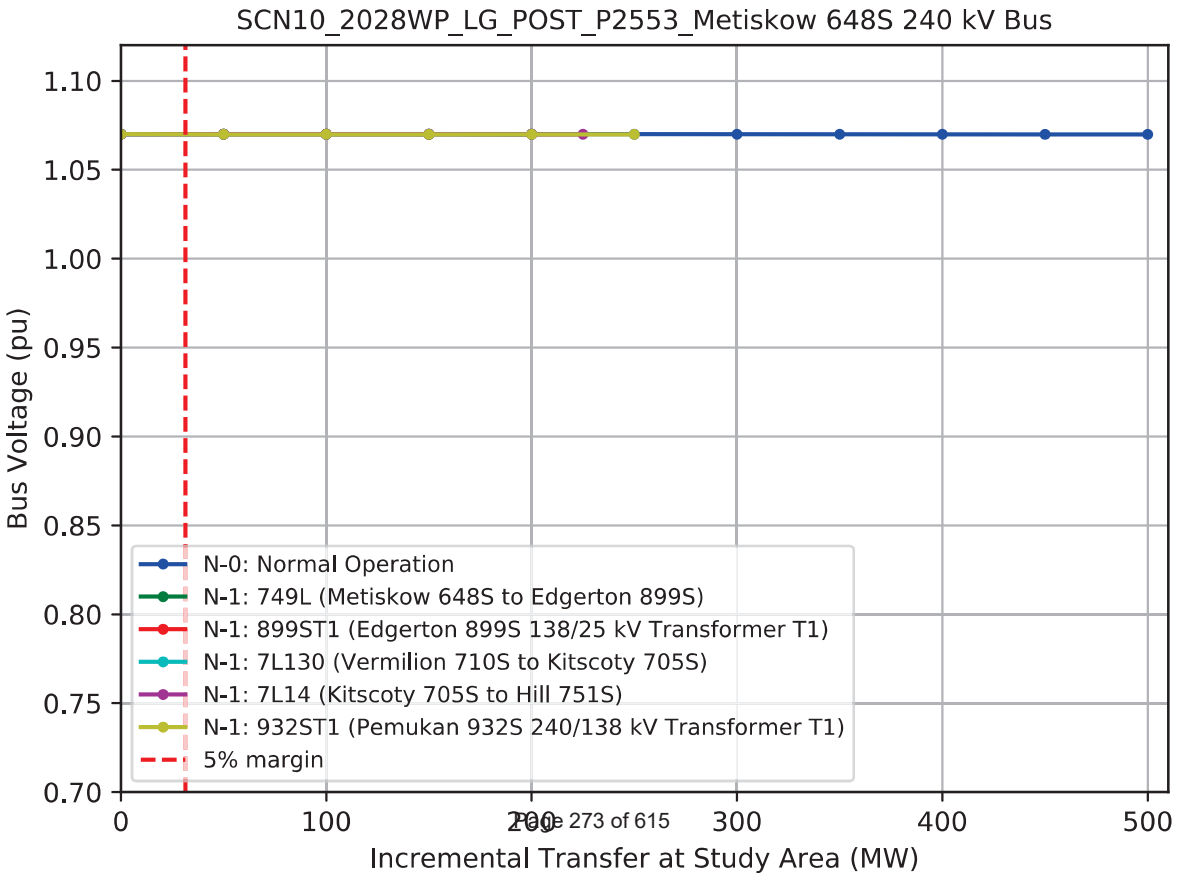

SCN10_2028WP_LG_POST_P2553_Provost 545S 138 kV Bus
Bus Voltage (pu)
1.05
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0
100
200
300
400
500
Incremental Transfer at Study Area (MW)
N-0: Normal Operation
N-1: 749L (Metiskow 648S to Edgerton 899S)
N-1: 899ST1 (Edgerton 899S 138/25 kV Transformer T1)
N-1: 7L130 (Vermilion 710S to Kitscoty 705S)
N-1: 7L14 (Kitscoty 705S to Hill 751S)
N-1: 932ST1 (Pemukan 932S 240/138 kV Transformer T1)
5% margin

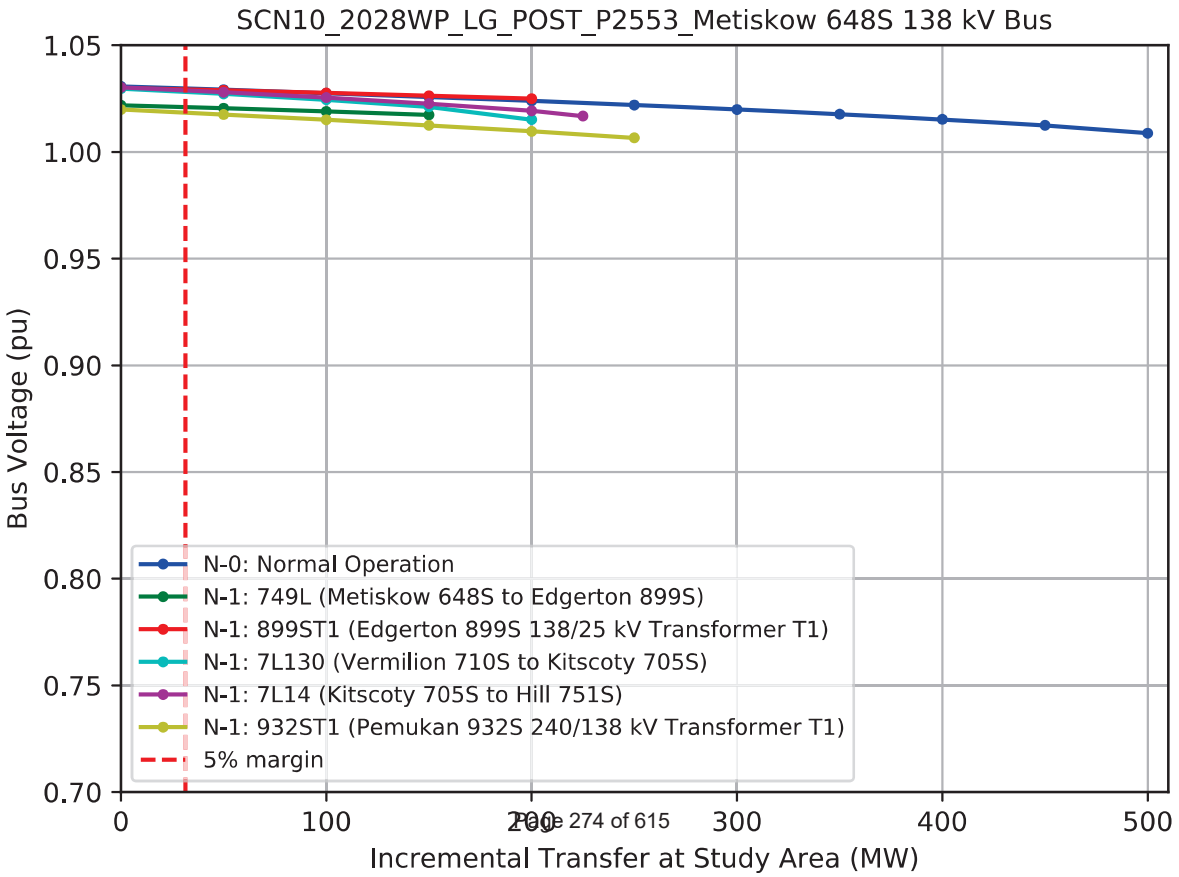

SCN10_2028WP_LG_POST_P2553_Paintearth 863S 240 kV Bus
Bus Voltage (pu)
1.10
1.05
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0
100
200
300
400
500
Incremental Transfer at Study Area (MW)
N-0: Normal Operation
N-1: 749L (Metiskow 648S to Edgerton 899S)
N-1: 899ST1 (Edgerton 899S 138/25 kV Transformer T1)
N-1: 7L130 (Vermilion 710S to Kitscoty 705S)
N-1: 7L14 (Kitscoty 705S to Hill 751S)
N-1: 932ST1 (Pemukan 932S 240/138 kV Transformer T1)
5% margin

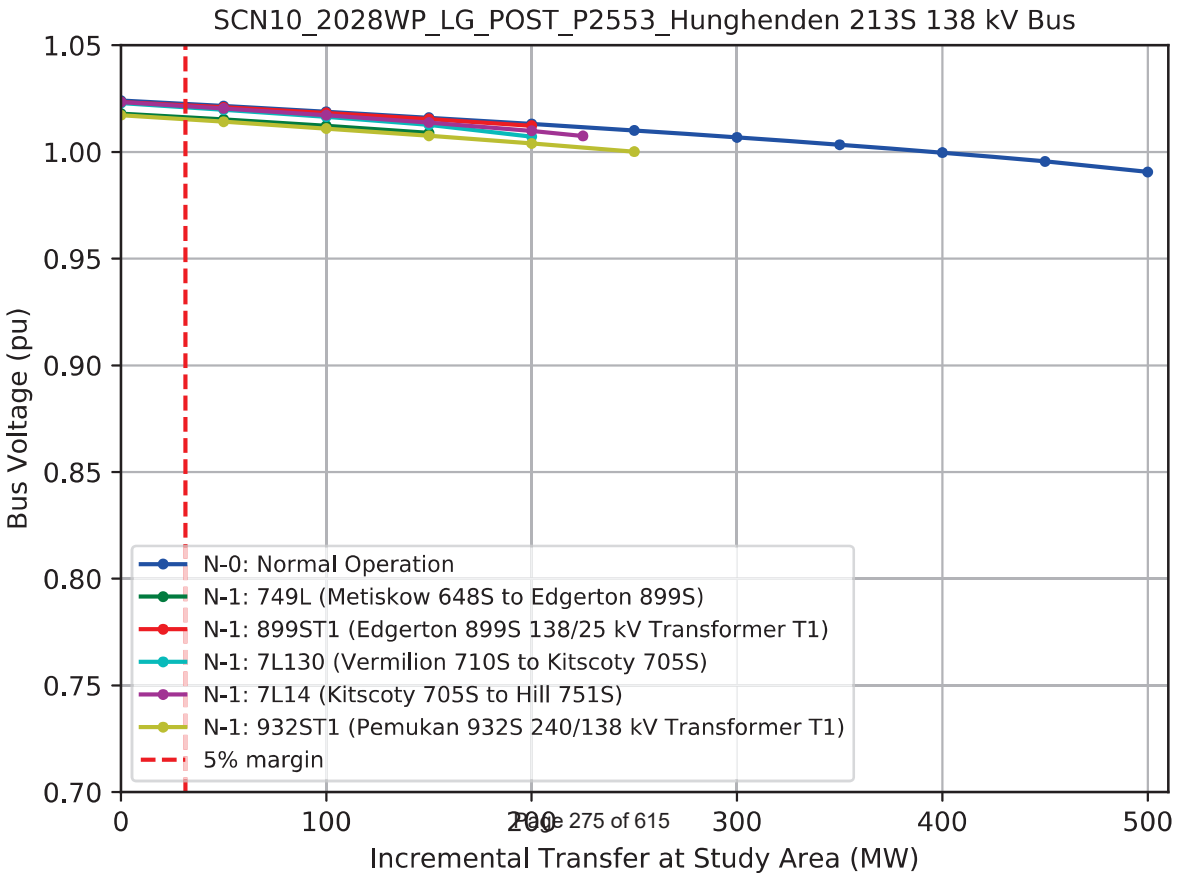

SCN10_2028WP_LG_POST_P2553_Nilrem 574S 240 kV Bus
Bus Voltage (pu)
1.10
1.05
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0
100
200
300
400
500
Incremental Transfer at Study Area (MW)
N-0: Normal Operation
N-1: 749L (Metiskow 648S to Edgerton 899S)
N-1: 899ST1 (Edgerton 899S 138/25 kV Transformer T1)
N-1: 7L130 (Vermilion 710S to Kitscoty 705S)
N-1: 7L14 (Kitscoty 705S to Hill 751S)
N-1: 932ST1 (Pemukan 932S 240/138 kV Transformer T1)
5% margin

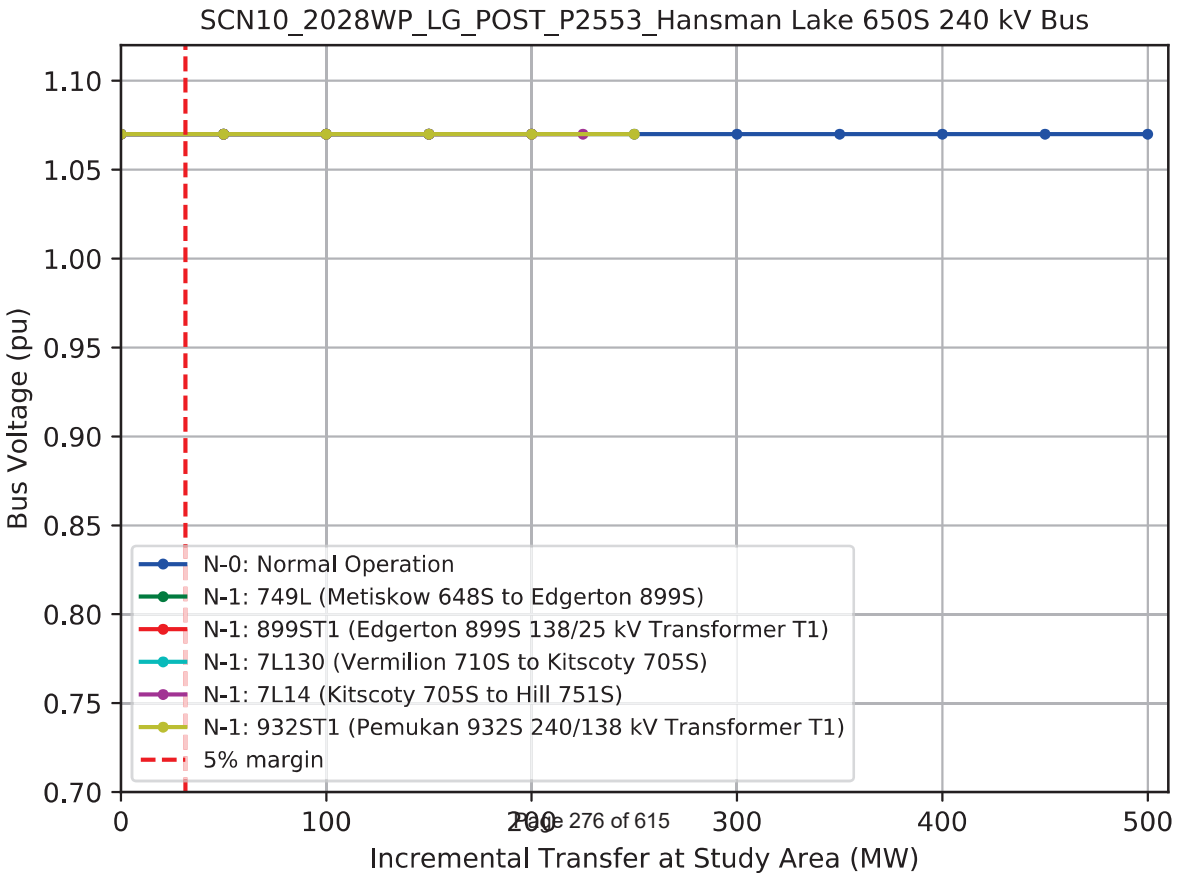

SCN10_2028WP_LG_POST_P2553_Nilrem 574S 138 kV Bus
Bus Voltage (pu)
1.05
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0
100
200
300
400
500
Incremental Transfer at Study Area (MW)
N-0: Normal Operation
N-1: 749L (Metiskow 648S to Edgerton 899S)
N-1: 899ST1 (Edgerton 899S 138/25 kV Transformer T1)
N-1: 7L130 (Vermilion 710S to Kitscoty 705S)
N-1: 7L14 (Kitscoty 705S to Hill 751S)
N-1: 932ST1 (Pemukan 932S 240/138 kV Transformer T1)
5% margin

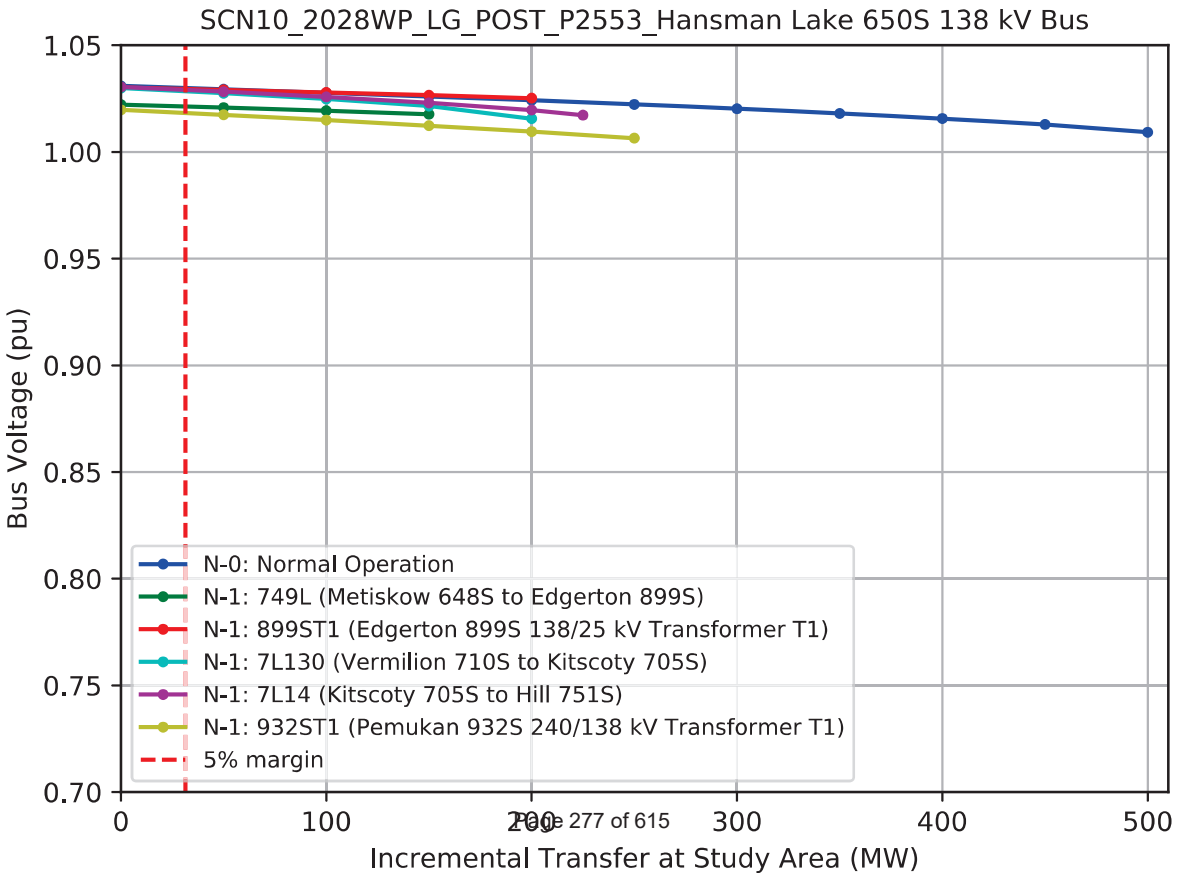

SCN10_2028WP_LG_POST_P2553_Monitor 774S 138 kV Bus
Bus Voltage (pu)
1.10
1.05
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0
100
200
300
400
500
Incremental Transfer at Study Area (MW)
N-0: Normal Operation
N-1: 749L (Metiskow 648S to Edgerton 899S)
N-1: 899ST1 (Edgerton 899S 138/25 kV Transformer T1)
N-1: 7L130 (Vermilion 710S to Kitscoty 705S)
N-1: 7L14 (Kitscoty 705S to Hill 751S)
N-1: 932ST1 (Pemukan 932S 240/138 kV Transformer T1)
5% margin

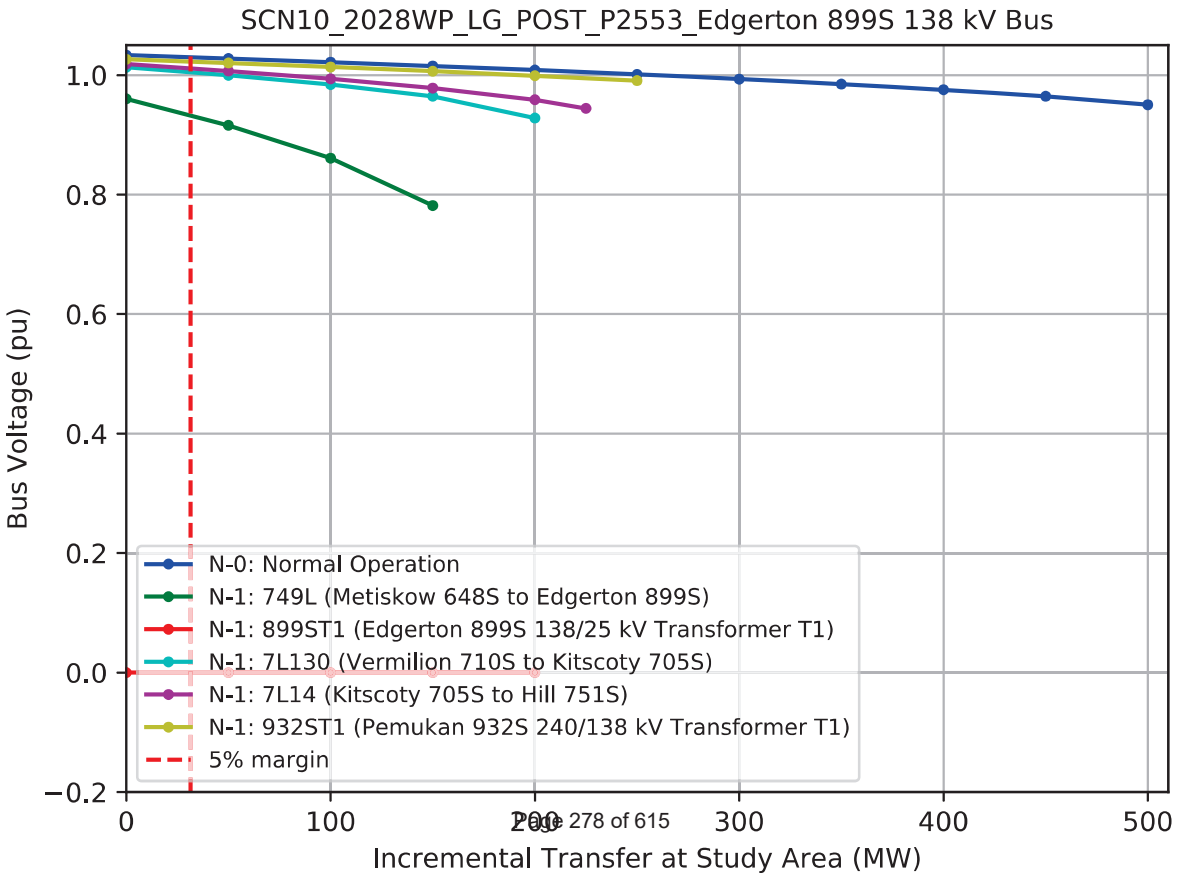

SCN10_2028WP_LG_POST_P2553_Metiskow 648S 240 kV Bus
Bus Voltage (pu)
1.10
1.05
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0
100
200
300
400
500
Incremental Transfer at Study Area (MW)
N-0: Normal Operation
N-1: 749L (Metiskow 648S to Edgerton 899S)
N-1: 899ST1 (Edgerton 899S 138/25 kV Transformer T1)
N-1: 7L130 (Vermilion 710S to Kitscoty 705S)
N-1: 7L14 (Kitscoty 705S to Hill 751S)
N-1: 932ST1 (Pemukan 932S 240/138 kV Transformer T1)
5% margin

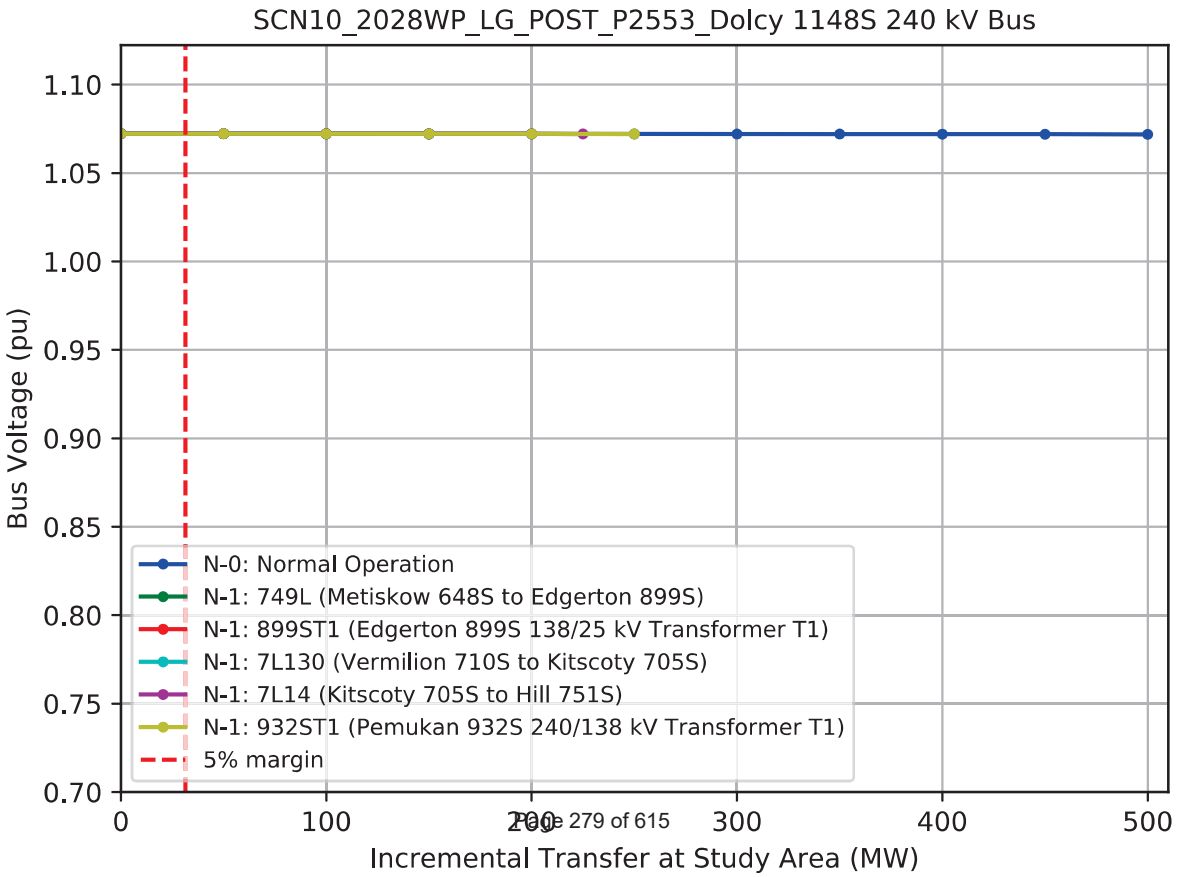

SCN10_2028WP_LG_POST_P2553_Metiskow 648S 138 kV Bus
Bus Voltage (pu)
1.05
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0
100
200
300
400
500
Incremental Transfer at Study Area (MW)
N-0: Normal Operation
N-1: 749L (Metiskow 648S to Edgerton 899S)
N-1: 899ST1 (Edgerton 899S 138/25 kV Transformer T1)
N-1: 7L130 (Vermilion 710S to Kitscoty 705S)
N-1: 7L14 (Kitscoty 705S to Hill 751S)
N-1: 932ST1 (Pemukan 932S 240/138 kV Transformer T1)
5% margin

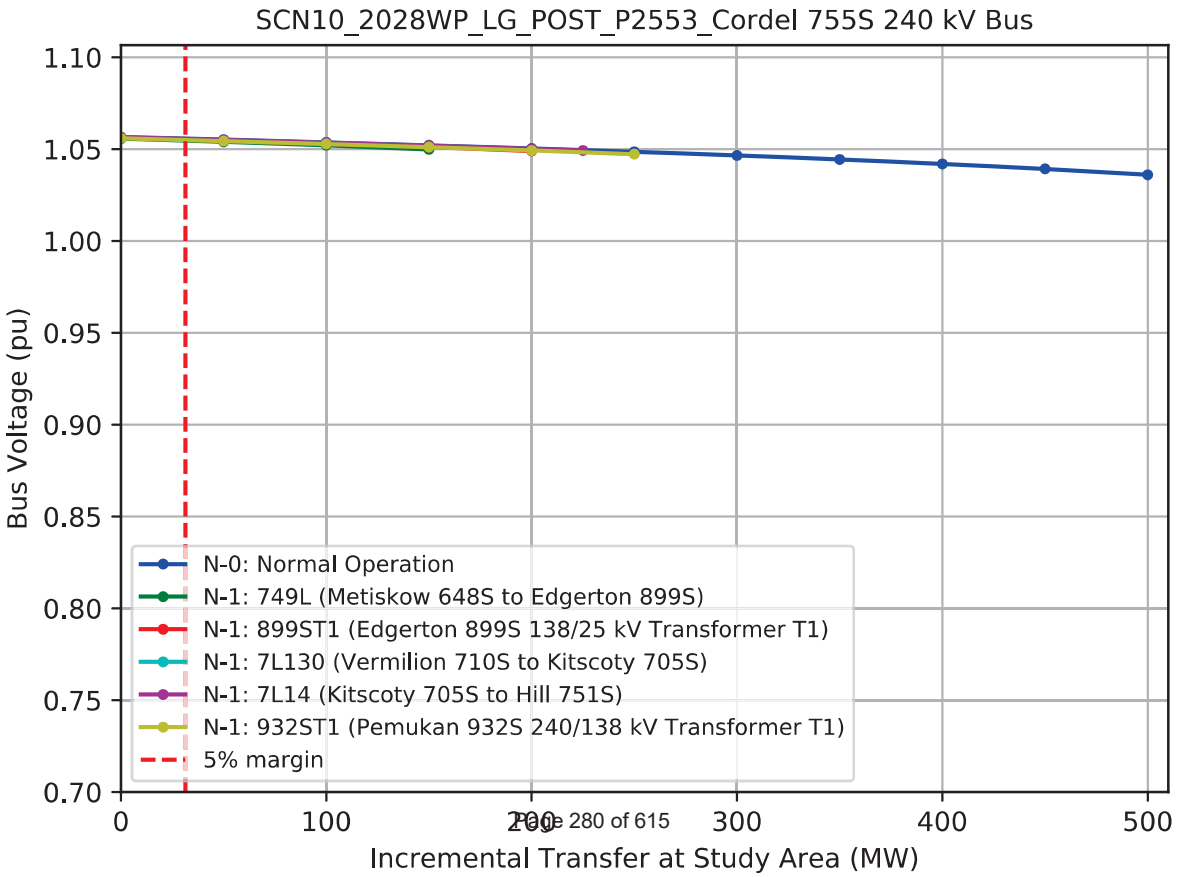

SCN10_2028WP_LG_POST_P2553_Hunghenden 213S 138 kV Bus
Bus Voltage (pu)
1.05
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0
100
200
300
400
500
Incremental Transfer at Study Area (MW)
N-0: Normal Operation
N-1: 749L (Metiskow 648S to Edgerton 899S)
N-1: 899ST1 (Edgerton 899S 138/25 kV Transformer T1)
N-1: 7L130 (Vermilion 710S to Kitscoty 705S)
N-1: 7L14 (Kitscoty 705S to Hill 751S)
N-1: 932ST1 (Pemukan 932S 240/138 kV Transformer T1)
5% margin


SCN10_2028WP_LG_POST_P2553_Hansman Lake 650S 240 kV Bus
Bus Voltage (pu)
1.10
1.05
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0
100
200
300
400
500
Incremental Transfer at Study Area (MW)
N-0: Normal Operation
N-1: 749L (Metiskow 648S to Edgerton 899S)
N-1: 899ST1 (Edgerton 899S 138/25 kV Transformer T1)
N-1: 7L130 (Vermilion 710S to Kitscoty 705S)
N-1: 7L14 (Kitscoty 705S to Hill 751S)
N-1: 932ST1 (Pemukan 932S 240/138 kV Transformer T1)
5% margin


SCN10_2028WP_LG_POST_P2553_Hansman Lake 650S 138 kV Bus
Bus Voltage (pu)
1.05
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0
100
200
300
400
500
Incremental Transfer at Study Area (MW)
N-0: Normal Operation
N-1: 749L (Metiskow 648S to Edgerton 899S)
N-1: 899ST1 (Edgerton 899S 138/25 kV Transformer T1)
N-1: 7L130 (Vermilion 710S to Kitscoty 705S)
N-1: 7L14 (Kitscoty 705S to Hill 751S)
N-1: 932ST1 (Pemukan 932S 240/138 kV Transformer T1)
5% margin


SCN10_2028WP_LG_POST_P2553_Edgerton 899S 138 kV Bus
Bus Voltage (pu)
Incremental Transfer at Study Area (MW)
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
0
100
200
300
400
500
N-0: Normal Operation
N-1: 749L (Metiskow 648S to Edgerton 899S)
N-1: 899ST1 (Edgerton 899S 138/25 kV Transformer T1)
N-1: 7L130 (Vermilion 710S to Kitscoty 705S)
N-1: 7L14 (Kitscoty 705S to Hill 751S)
N-1: 932ST1 (Pemukan 932S 240/138 kV Transformer T1)
5% margin


SCN10_2028WP_LG_POST_P2553_Dolcy 1148S 240 kV Bus
Bus Voltage (pu)
1.10
1.05
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0
100
200
300
400
500
Incremental Transfer at Study Area (MW)
N-0: Normal Operation
N-1: 749L (Metiskow 648S to Edgerton 899S)
N-1: 899ST1 (Edgerton 899S 138/25 kV Transformer T1)
N-1: 7L130 (Vermilion 710S to Kitscoty 705S)
N-1: 7L14 (Kitscoty 705S to Hill 751S)
N-1: 932ST1 (Pemukan 932S 240/138 kV Transformer T1)
5% margin


SCN10_2028WP_LG_POST_P2553_Cordel 755S 240 kV Bus
Bus Voltage (pu)
1.10
1.05
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0
100
200
300
400
500
Incremental Transfer at Study Area (MW)
N-0: Normal Operation
N-1: 749L (Metiskow 648S to Edgerton 899S)
N-1: 899ST1 (Edgerton 899S 138/25 kV Transformer T1)
N-1: 7L130 (Vermilion 710S to Kitscoty 705S)
N-1: 7L14 (Kitscoty 705S to Hill 751S)
N-1: 932ST1 (Pemukan 932S 240/138 kV Transformer T1)
5% margin

Attachment A5
Post-Project Transient Stability Diagrams

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_00_NOFAULT

FILE: Scn6_2028SL_00_nofault.out

WED, JAN 22 2025 9:15

ACTIVE POWER

CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1] 1.7090 1.3090
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2] 1.7090 1.3090
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2] 1.6000 1.2000
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1] 1.6000 1.2000
CHNL# 191: [POWR 1497[BAT #5 21.000]G5] 1.1480 0.74800
CHNL# 190: [POWR 1496[BAT #4 16.000]4] 0.51000 0.11000

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_00_NOFAULT

FILE: Scn6_2028SL_00_nofault.out

WED, JAN 22 2025 9:15

TERMINAL VOLTAGE

CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1] 1.1900 0.99000
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2] 1.1900 0.99000
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2] 1.1000 0.90000
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1] 1.1000 0.90000
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5] 1.1150 0.91500
CHNL# 451: [ETRM 1496[BAT #4 16.000]4] 1.1050 0.90500

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_00_NOFAULT

FILE: Scn6_2028SL_00_nofault.out

WED, JAN 22 2025 9:15

ROTOR ANGLE

CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2] 47.011 -52.99
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1] 42.976 -57.02
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5] 42.436 -57.56
CHNL# 16: [ANGL 1496[BAT #4 16.000]4] 36.342 -63.66

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_00_NOFAULT

FILE: Scn6_2028SL_00_nofault.out

WED, JAN 22 2025 9:15

REACTIVE POWER

CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1] 0.60960 -0.3904
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2] 0.60960 -0.3904
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2] 0.92600 -0.0740
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1] 0.91090 -0.0892
CHNL# 278: [VARS 1497[BAT #5 21.000]G5] 0.79710 -0.2029
CHNL# 277: [VARS 1496[BAT #4 16.000]4] 0.50700 -0.4930

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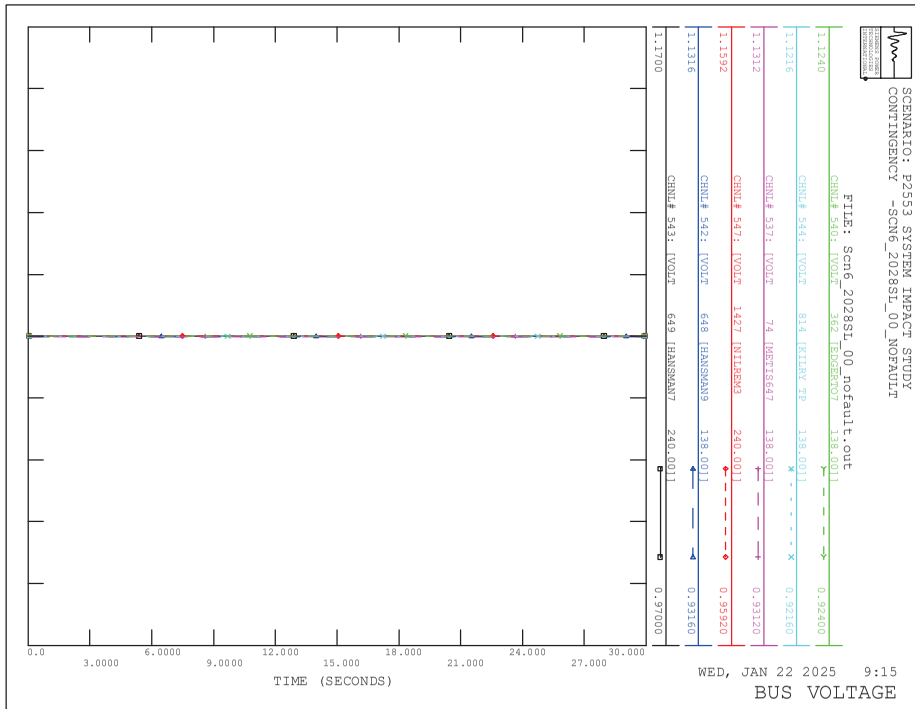
TIME (SECONDS)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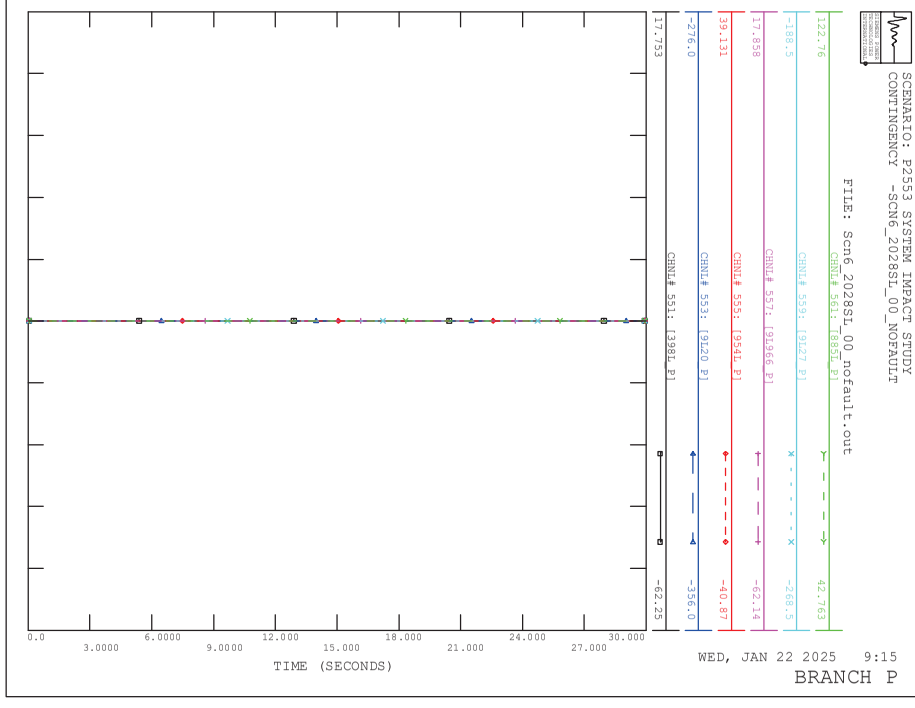
CONTINGENCY -SCN6_2028SL_00_NOFAULT
FILE: Scn6_2028SL_00_nofault.out
CHNL# 540: [VOLT 362 [BDGSNT07 138.00]
CHNL# 541: [VOLT 493 [TRUCMAN7 138.00]
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]
CHNL# 544: [VOLT 814 [KILBY TP 138.00]
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]
CHNL# 547: [VOLT 1427 [NILERM3 240.00]
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]
CHNL# 550: [VOLT 547103 [DOLCVTAP 240.00]
CHNL# 537: [VOLT 74 [MSTIS647 138.00]
1.1240
1.1216
1.1312
1.1316
1.1592
1.1700
1.1706
1.1320
1.1441
1.1542
1.1515
1.1319
0.92400
0.97060
0.93200
0.94410
0.95150
0.95420
0.93190
0.97000
0.93160
0.95920
0.93120
0.92160
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000
TIME (SECONDS)
WED, JAN 22 2025 9:15
BUS VOLTAGE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CHNL# 553: [9L20 P1 -356.0
CHNL# 554: [9L20 Q1 15.829
CHNL# 555: [954L P1 -40.87
CHNL# 556: [954L Q1 -62.82
CHNL# 557: [9L966 P1 -62.14
CHNL# 558: [9L966 Q1 -79.10
CHNL# 559: [9L27 P1 -268.5
CHNL# 560: [9L27 Q1 -11.11
CHNL# 561: [88SL P1 42.763
CHNL# 562: [88SL Q1 -16.56
CHNL# 551: [39L P1 -62.25
28.430
95.829
17.753
-276.0
39.131
17.858
-188.5
122.76
63.444
68.888
0.90340
117.17
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000
TIME (SECONDS)
WED, JAN 22 2025 9:15
BRANCH P
BRANCH Q

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_00_NOFAULT

FILE: Scn6_2028SL_00_nofault.out

WED, JAN 22 2025 9:15

BRANCH Q

CHNL# 576: [1047L Q]
140.14 60.138

CHNL# 574: [749L Q]
55.845 -24.15

CHNL# 572: [715L Q]
48.463 -31.54

CHNL# 568: [948L Q]
26.937 -53.06

CHNL# 566: [7L224 Q]
-14.99 -94.99

CHNL# 564: [748L Q]
37.242 -42.76

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_00_NOFAULT

FILE: Scn6_2028SL_00_nofault.out

WED, JAN 22 2025 9:15

BRANCH Q

CHNL# 584: [9L16 Q]
6.8869 -73.11

CHNL# 582: [9L59 Q]
65.092 -14.91

CHNL# 580: [953L Q]
-2.509 -82.51

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_00_NOFAULT

FILE: Scn6_2028SL_00_nofault.out

WED, JAN 22 2025 9:15

BRANCH P

CHNL# 575: [1047L P]
-290.0 -370.0

CHNL# 573: [749L P]
48.515 -31.48

CHNL# 571: [715L P]
-48.70 -128.7

CHNL# 567: [948L P]
-76.17 -156.2

CHNL# 565: [7L224 P]
43.732 -36.27

CHNL# 563: [748L P]
28.965 -51.03

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_00_NOFAULT

FILE: Scn6_2028SL_00_nofault.out

WED, JAN 22 2025 9:15

BRANCH P

CHNL# 583: [9L16 P]
225.07 145.07

CHNL# 581: [9L59 P]
-39.46 -119.5

CHNL# 579: [953L P]
279.92 199.92

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_01_749L_KILLARNEY

FILE: Scn6_2028SL_01_749L_Killarney.out

WED, JAN 22 2025 9:15

ACTIVE POWER

CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1] 2.2798 0.64710
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2] 2.2797 0.64710
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2] 1.8953 0.84640
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1] 1.9194 0.83480
CHNL# 191: [POWR 1497[BAT #5 21.000]G5] 1.6631 0.18570
CHNL# 190: [POWR 1496[BAT #4 16.000]4] 0.87850 -0.2309

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_01_749L_KILLARNEY

FILE: Scn6_2028SL_01_749L_Killarney.out

WED, JAN 22 2025 9:15

TERMINAL VOLTAGE

CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1] 1.5367 0.64210
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2] 1.5369 0.64210
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2] 1.1516 0.85950
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1] 1.1477 0.86190
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5] 1.1985 0.84300
CHNL# 451: [ETRM 1496[BAT #4 16.000]4] 1.1881 0.84250

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TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_01_749L_KILLARNEY

FILE: Scn6_2028SL_01_749L_Killarney.out

WED, JAN 22 2025 9:15

ROTOR ANGLE

CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2] 50.575 -57.94
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1] 46.318 -61.82
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5] 43.978 -64.78
CHNL# 16: [ANGL 1496[BAT #4 16.000]4] 37.847 -73.36

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_01_749L_KILLARNEY

FILE: Scn6_2028SL_01_749L_Killarney.out

WED, JAN 22 2025 9:15

REACTIVE POWER

CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1] 1.1754 -0.4254
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2] 1.1780 -0.4254
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2] 1.5653 -1.009
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1] 1.6358 -1.133
CHNL# 278: [VARS 1497[BAT #5 21.000]G5] 2.1534 -1.532
CHNL# 277: [VARS 1496[BAT #4 16.000]4] 1.0910 -0.9077

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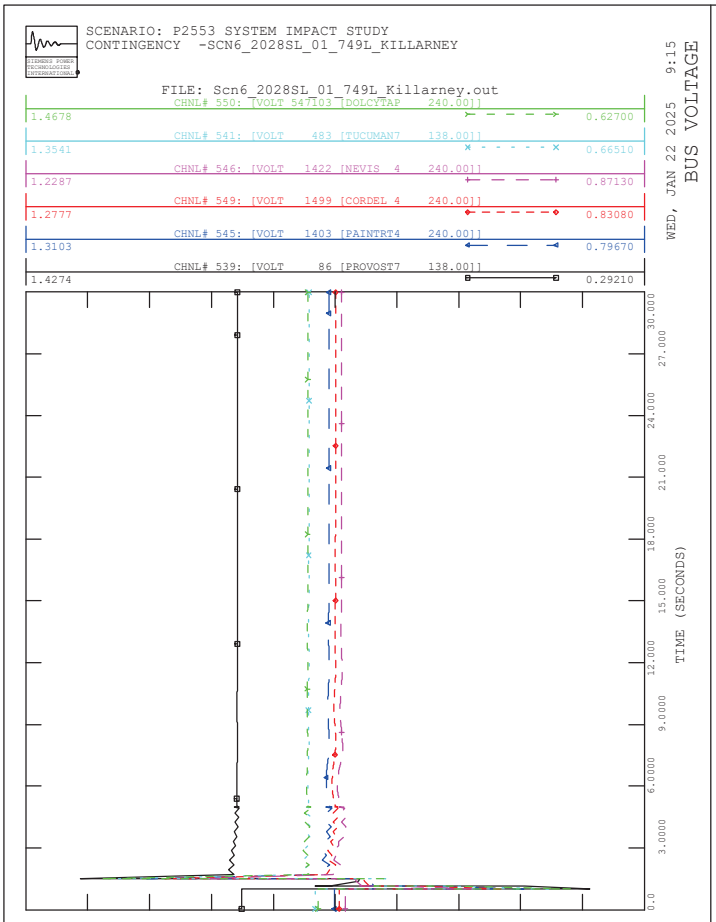
TIME (SECONDS)


SCENARIO: P2553 SYSTEM IMPACT STUDY
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FILE: Scn6_2028SL_01_749L_Killarney.out
CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]] 1.4678 0.62700
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]] 1.3541 0.66510
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]] 1.2287 0.87130
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]] 1.2777 0.83080
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]] 1.3103 0.79670
CHNL# 539: [VOLT 86 [PROVOST7 138.00]] 1.4274 0.29210
BUS VOLTAGE
WED, JAN 22 2025 9:15
TIME (SECONDS)
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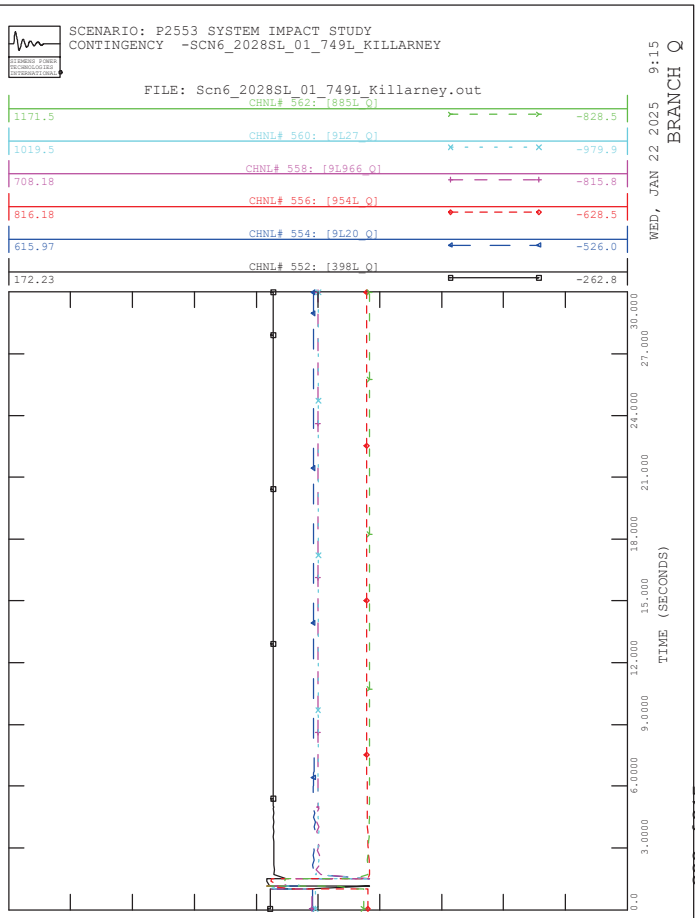
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CONTINGENCY -SCN6_2028SL_01_749L_KILLARNEY
FILE: Scn6_2028SL_01_749L_Killarney.out
CHNL# 562: [885L_Q] 1171.5 -828.5
CHNL# 560: [9L27_Q] 1019.5 -979.9
CHNL# 558: [9L966_Q] 708.18 -815.8
CHNL# 556: [954L_Q] 816.18 -628.5
CHNL# 554: [9L20_Q] 615.97 -526.0
CHNL# 552: [398L_Q] 172.23 -262.8
BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
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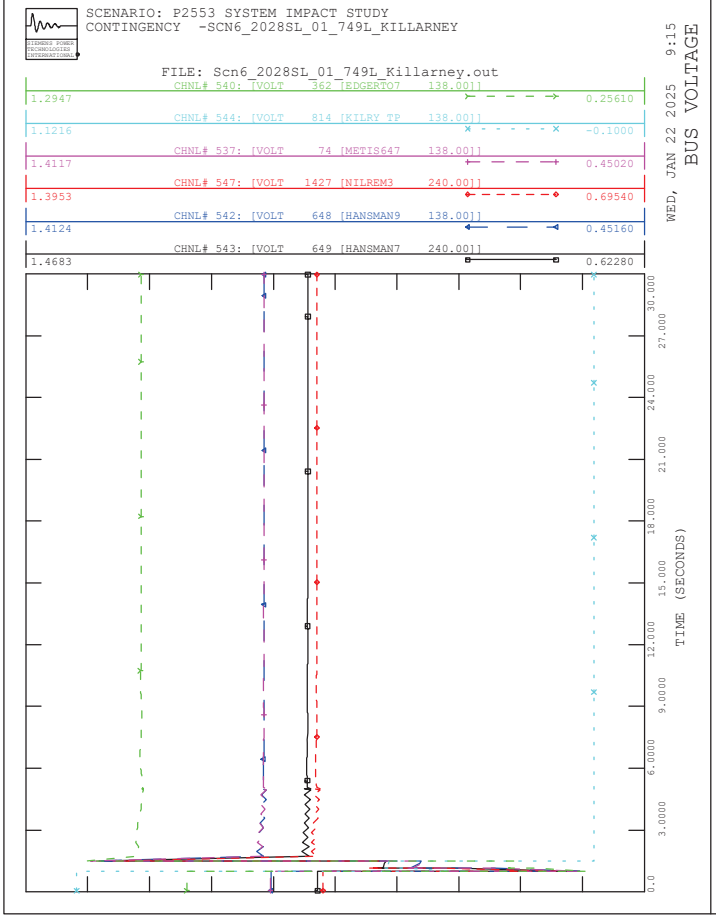
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CHNL# 540: [VOLT 362 [EDGERTO7 138.00]] 1.2947 0.25610
CHNL# 544: [VOLT 814 [KILRY TP 138.00]] 1.1216 -0.1000
CHNL# 537: [VOLT 74 [METIS647 138.00]] 1.4117 0.45020
CHNL# 547: [VOLT 1427 [NILREM3 240.00]] 1.3953 0.69540
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]] 1.4124 0.45160
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]] 1.4683 0.62280
BUS VOLTAGE
WED, JAN 22 2025 9:15
TIME (SECONDS)
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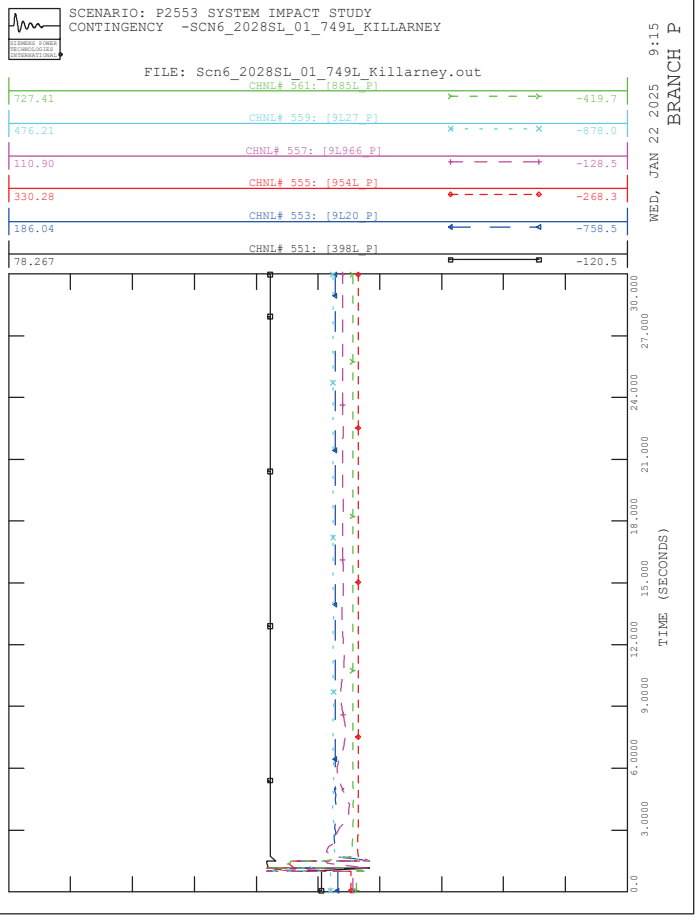
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CHNL# 561: [885L_P] 727.41 -419.7
CHNL# 559: [9L27_P] 476.21 -878.0
CHNL# 557: [9L966_P] 110.90 -128.5
CHNL# 555: [954L_P] 330.28 -268.3
CHNL# 553: [9L20_P] 186.04 -758.5
CHNL# 551: [398L_P] 78.267 -120.5
BRANCH P
WED, JAN 22 2025 9:15
TIME (SECONDS)
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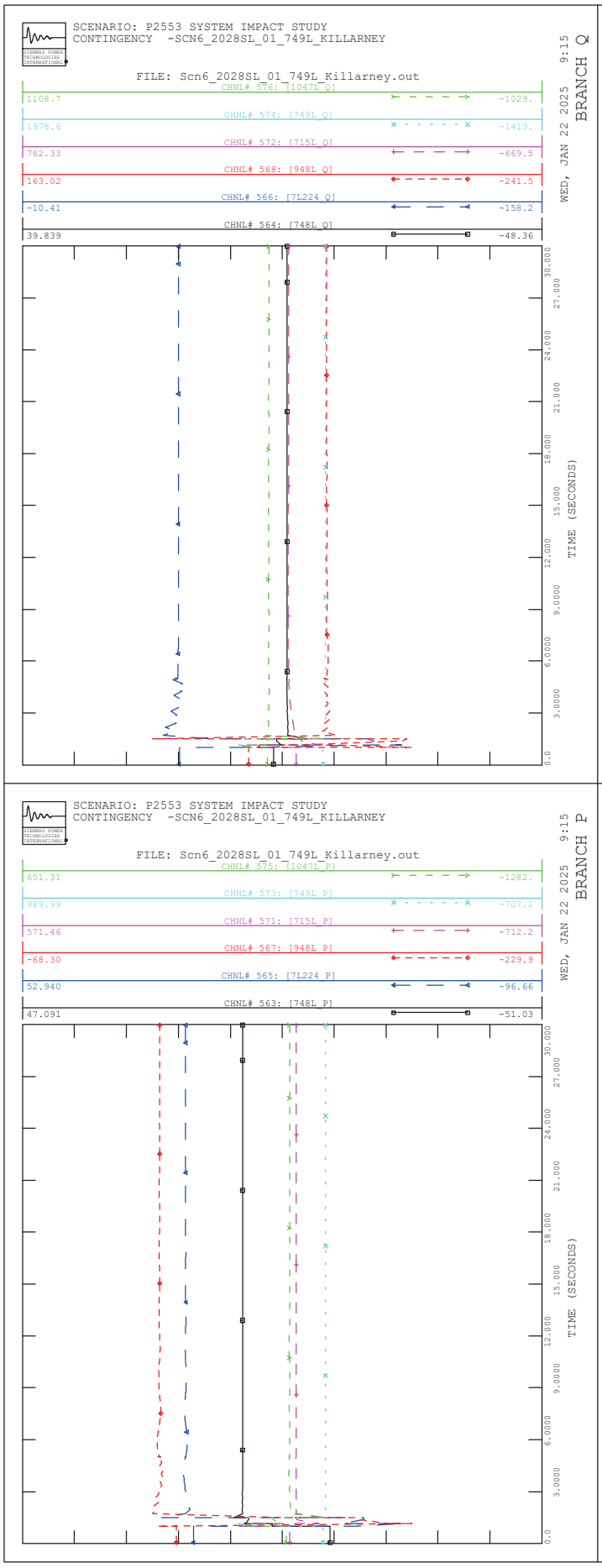
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_01_749L_KILLARNEY
FILE: Scn6_2028SL_01_749L_Killarney.out
CHNL# 576: [1047L_Q]
1108.7
-1029.
CHNL# 574: [749L_Q]
1978.6
-1413.
CHNL# 572: [715L_Q]
762.33
-669.5
CHNL# 568: [948L_Q]
163.02
-241.5
CHNL# 566: [7L224_Q]
-10.41
-158.2
CHNL# 564: [748L_Q]
39.839
-48.36
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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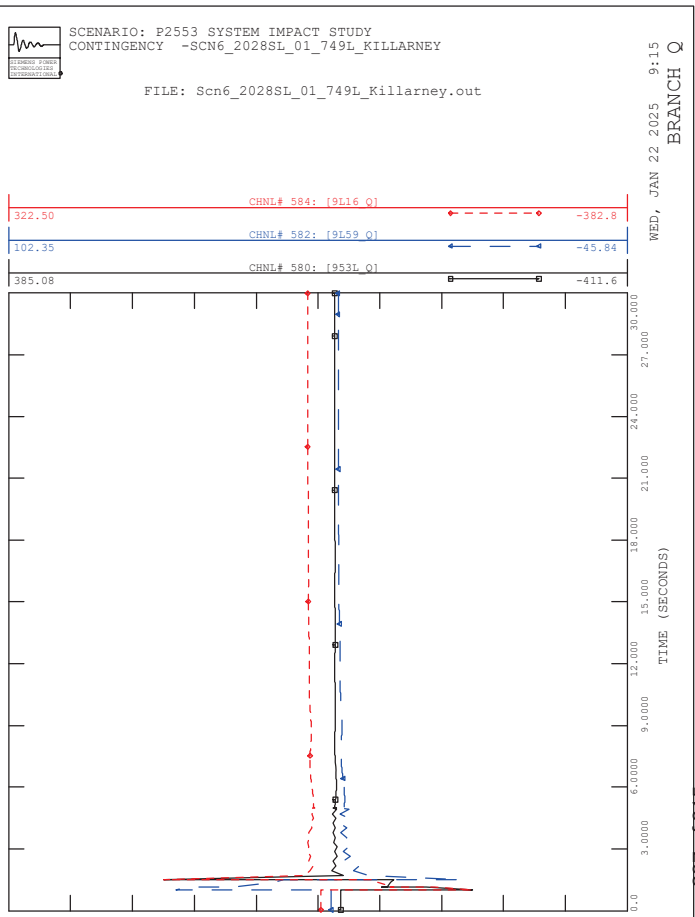
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_01_749L_KILLARNEY
FILE: Scn6_2028SL_01_749L_Killarney.out
CHNL# 584: [9L16_Q]
322.50
-382.8
CHNL# 582: [9L59_Q]
102.35
-45.84
CHNL# 580: [953L_Q]
385.08
-411.6
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_01_749L_KILLARNEY
FILE: Scn6_2028SL_01_749L_Killarney.out
CHNL# 575: [1047L_P]
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-1282.
CHNL# 573: [749L_P]
989.99
-707.1
CHNL# 571: [715L_P]
571.46
-712.2
CHNL# 567: [948L_P]
-68.30
-229.9
CHNL# 565: [7L224_P]
52.940
-96.66
CHNL# 563: [748L_P]
47.091
-51.03
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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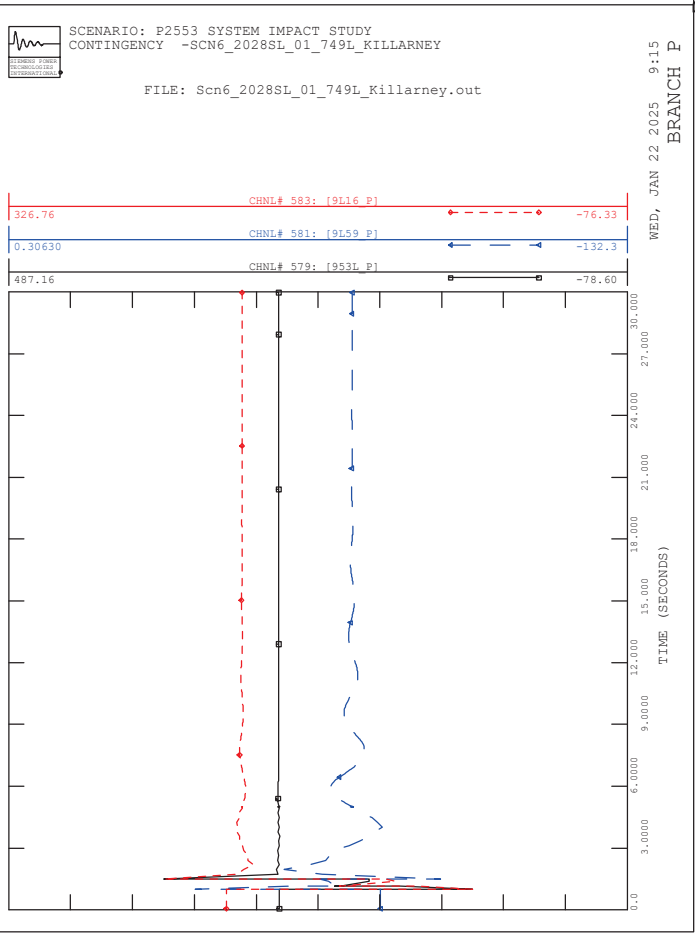
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_01_749L_KILLARNEY
FILE: Scn6_2028SL_01_749L_Killarney.out
CHNL# 583: [9L16_P]
326.76
-76.33
CHNL# 581: [9L59_P]
0.30630
-132.3
CHNL# 579: [953L_P]
487.16
-78.60
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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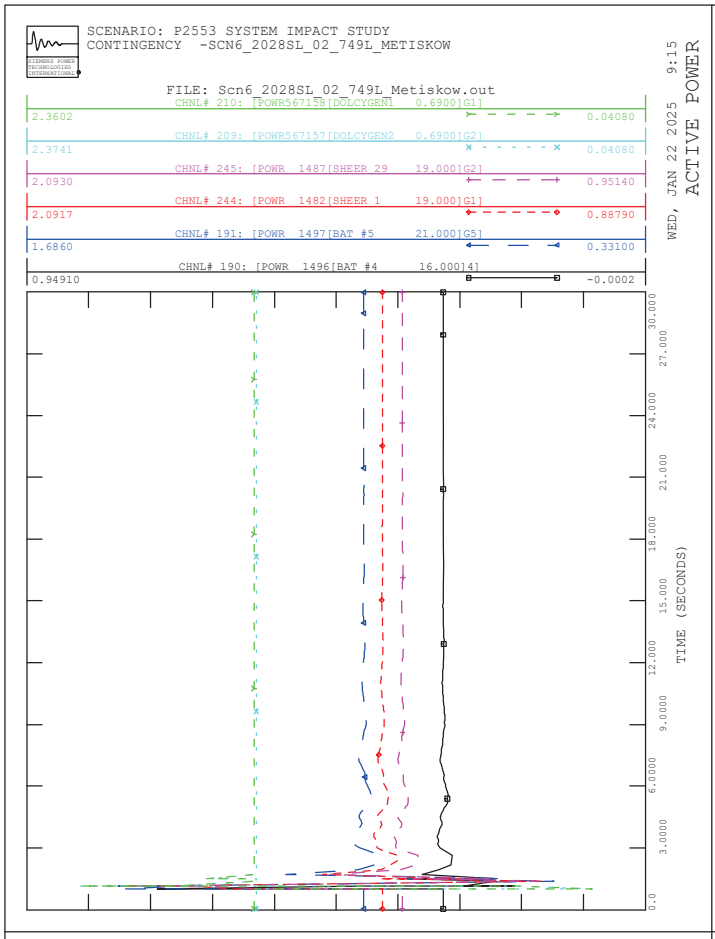
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_02_749L_METISKOW
FILE: Scn6_2028SL_02_749L_Metiskow.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.3602
0.04080
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.3741
0.04080
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
2.0930
0.95140
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
2.0917
0.88790
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.6860
0.33100
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.94910
-0.0002
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
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3.0000
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18.000
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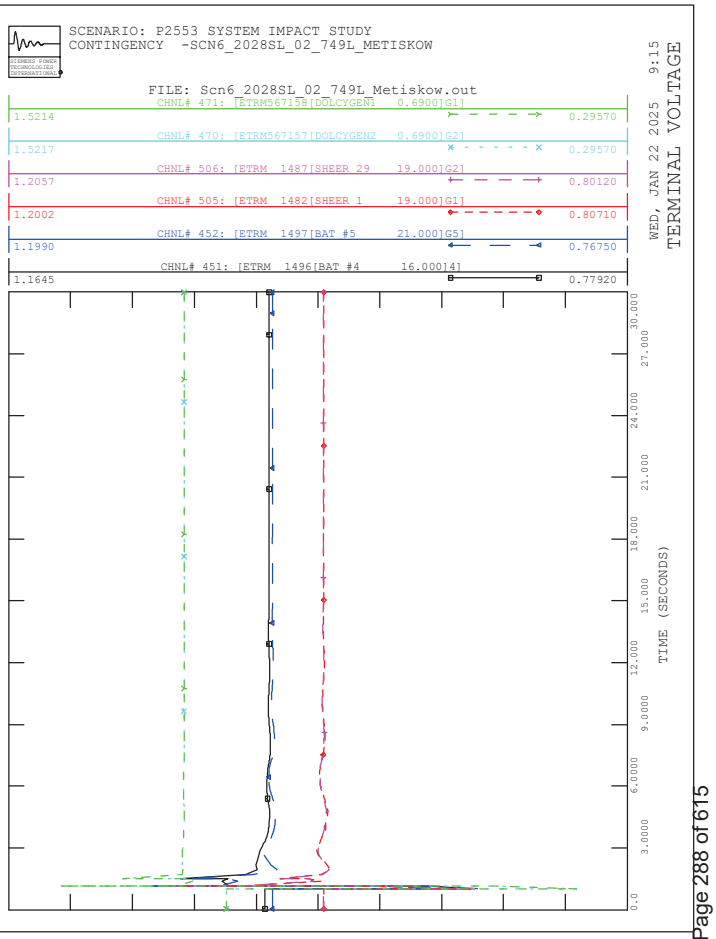
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_02_749L_METISKOW
FILE: Scn6_2028SL_02_749L_Metiskow.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.5214
0.29570
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.5217
0.29570
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.2057
0.80120
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.2002
0.80710
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1990
0.76750
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1645
0.77920
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
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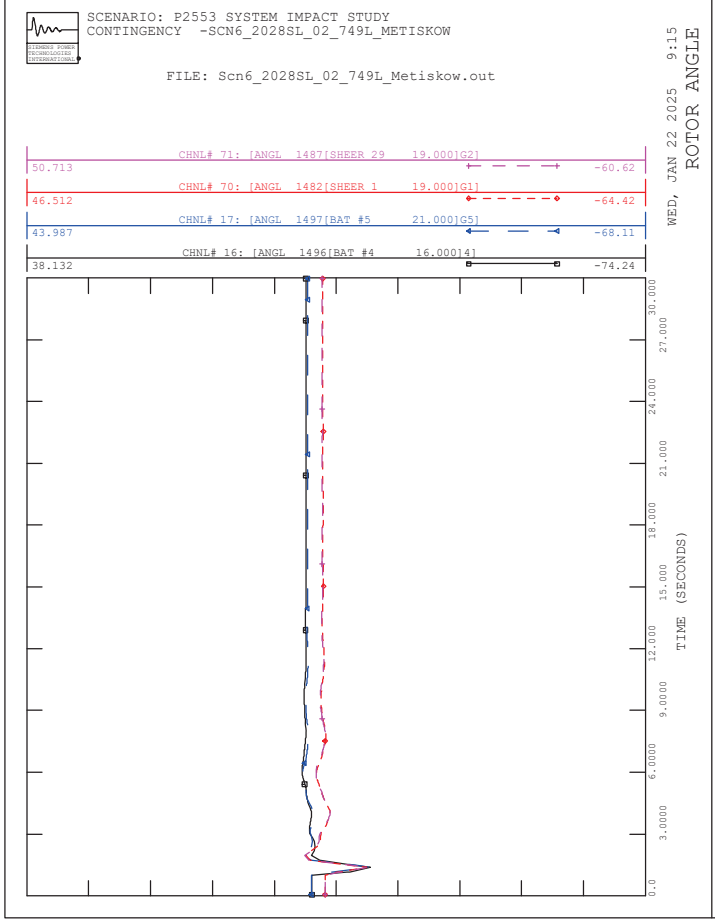
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_02_749L_METISKOW
FILE: Scn6_2028SL_02_749L_Metiskow.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
50.713
-60.62
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
46.512
-64.42
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
43.987
-68.11
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
38.132
-74.24
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
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3.0000
6.0000
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12.000
15.000
18.000
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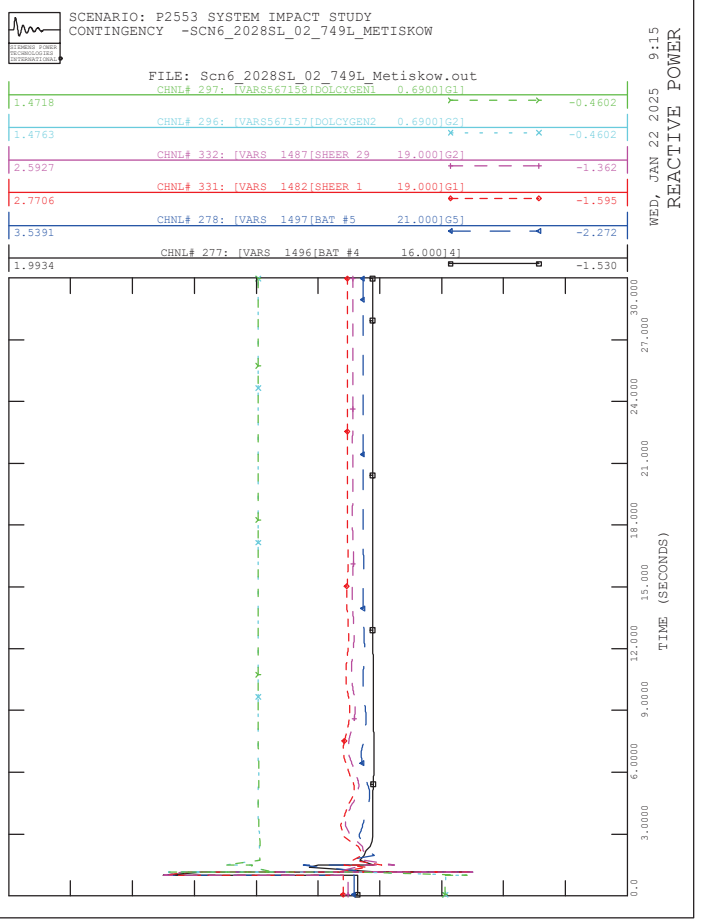
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_02_749L_METISKOW
FILE: Scn6_2028SL_02_749L_Metiskow.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.4718
-0.4602
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.4763
-0.4602
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
2.5927
-1.362
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
2.7706
-1.595
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
3.5391
-2.272
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
1.9934
-1.530
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
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12.000
15.000
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21.000
24.000
27.000
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_02_749L_METISKOW

FILE: Scn6_2028SL_02_749L_Metiskow.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.4326 0.28830

CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.3270 0.39970

CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.2451 0.78560

CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2862 0.70230

CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.3135 0.63120

CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.2613 -0.0386

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_02_749L_METISKOW

FILE: Scn6_2028SL_02_749L_Metiskow.out

WED, JAN 22 2025 9:15

BRANCH Q

CHNL# 562: [885L Q]
465.88 -501.2

CHNL# 560: [9L27 Q]
1474.0 -1300.

CHNL# 558: [9L966 Q]
785.64 -771.3

CHNL# 556: [954L Q]
1130.1 -849.6

CHNL# 554: [9L20 Q]
849.03 -687.8

CHNL# 552: [398L Q]
819.63 -1138.

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_02_749L_METISKOW

FILE: Scn6_2028SL_02_749L_Metiskow.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.2170 0.06310

CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.1216 -0.1000

CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.3028 -0.0886

CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.3854 0.43100

CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.3018 -0.0764

CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.4314 0.28120

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_02_749L_METISKOW

FILE: Scn6_2028SL_02_749L_Metiskow.out

WED, JAN 22 2025 9:15

BRANCH P

CHNL# 561: [885L P]
649.64 -641.4

CHNL# 559: [9L27 P]
565.86 -860.0

CHNL# 557: [9L966 P]
506.87 -400.0

CHNL# 555: [954L P]
542.25 -413.2

CHNL# 553: [9L20 P]
315.19 -788.7

CHNL# 551: [398L P]
543.86 -765.9

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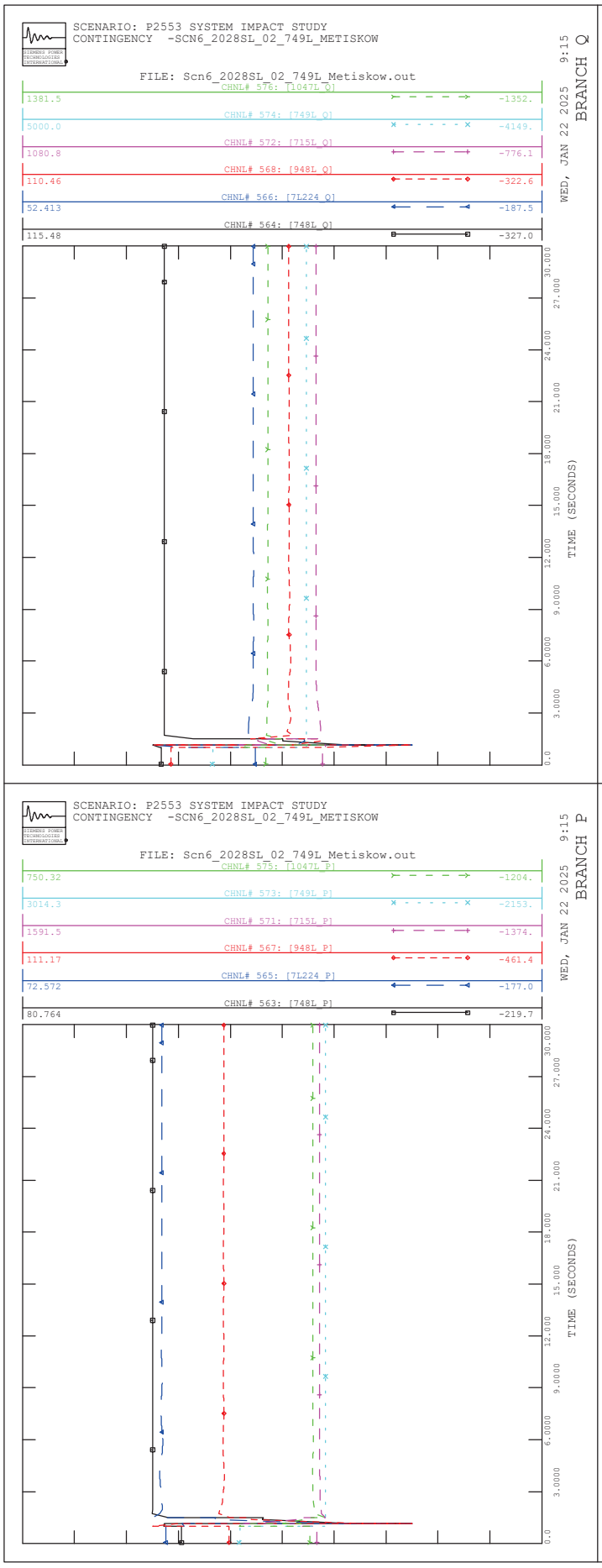
TIME (SECONDS)


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_02_749L_METISKOW
FILE: Scn6_2028SL_02_749L_Metiskow.out
CHNL# 576: [1047L Q]
1381.5
-1352.
CHNL# 574: [749L Q]
5000.0
-4149.
CHNL# 572: [715L Q]
1080.8
-776.1
CHNL# 568: [948L Q]
110.46
-322.6
CHNL# 566: [7L224 Q]
52.413
-187.5
CHNL# 564: [748L Q]
115.48
-327.0
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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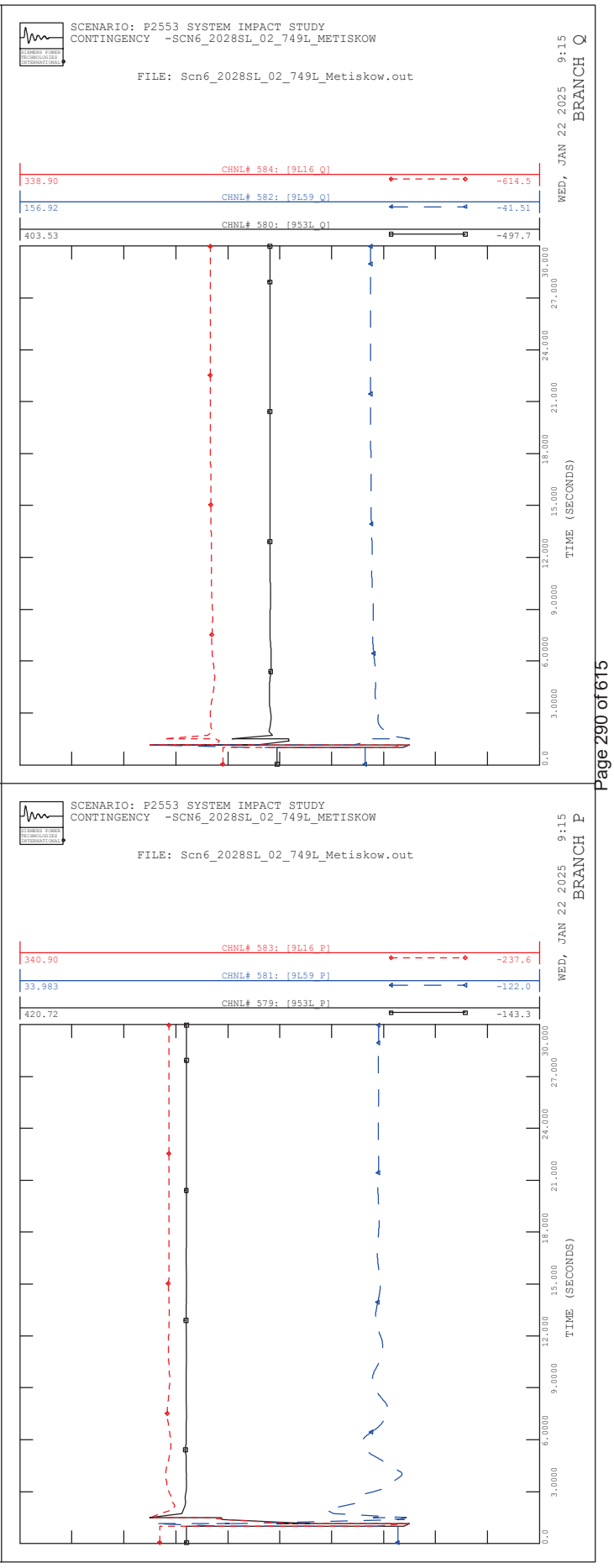
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_02_749L_METISKOW
FILE: Scn6_2028SL_02_749L_Metiskow.out
CHNL# 584: [9L16 Q]
338.90
-614.5
CHNL# 582: [9L59 Q]
156.92
-41.51
CHNL# 580: [953L Q]
403.53
-497.7
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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3.0000
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12.000
15.000
18.000
21.000
24.000
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_02_749L_METISKOW
FILE: Scn6_2028SL_02_749L_Metiskow.out
CHNL# 575: [1047L P]
750.32
-1204.
CHNL# 573: [749L P]
3014.3
-2153.
CHNL# 571: [715L P]
1591.5
-1374.
CHNL# 567: [948L P]
111.17
-461.4
CHNL# 565: [7L224 P]
72.572
-177.0
CHNL# 563: [748L P]
80.764
-219.7
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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3.0000
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_02_749L_METISKOW
FILE: Scn6_2028SL_02_749L_Metiskow.out
CHNL# 583: [9L16 P]
340.90
-237.6
CHNL# 581: [9L59 P]
33.983
-122.0
CHNL# 579: [953L P]
420.72
-143.3
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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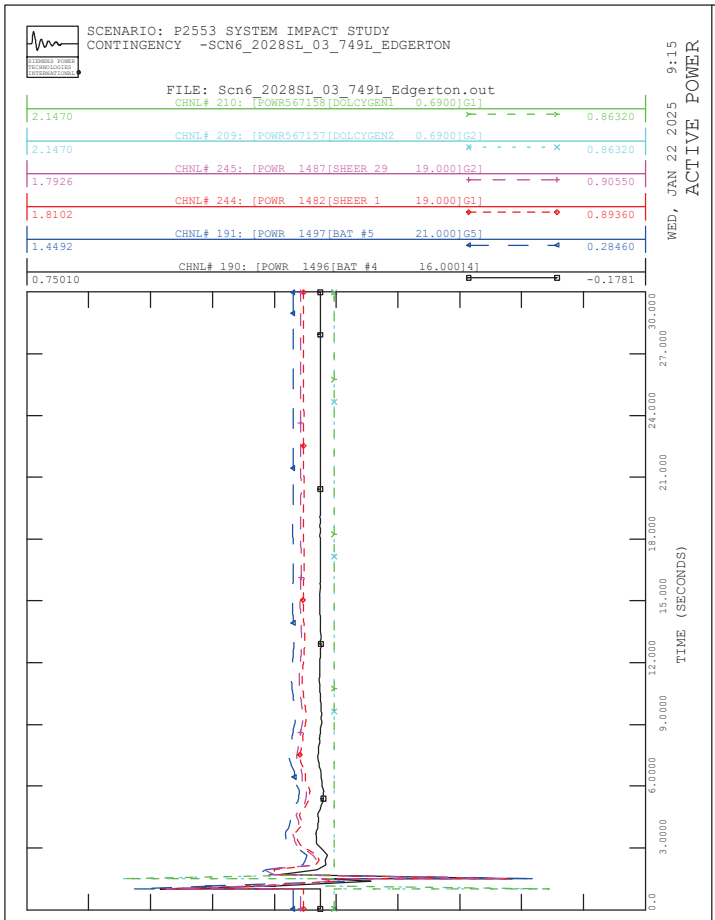
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_03_749L_EDGERTON
FILE: Scn6_2028SL_03_749L_Edgerton.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.1470
0.86320
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.1470
0.86320
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.7926
0.90550
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.8102
0.89360
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.4492
0.28460
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.75010
-0.1781
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
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18.000
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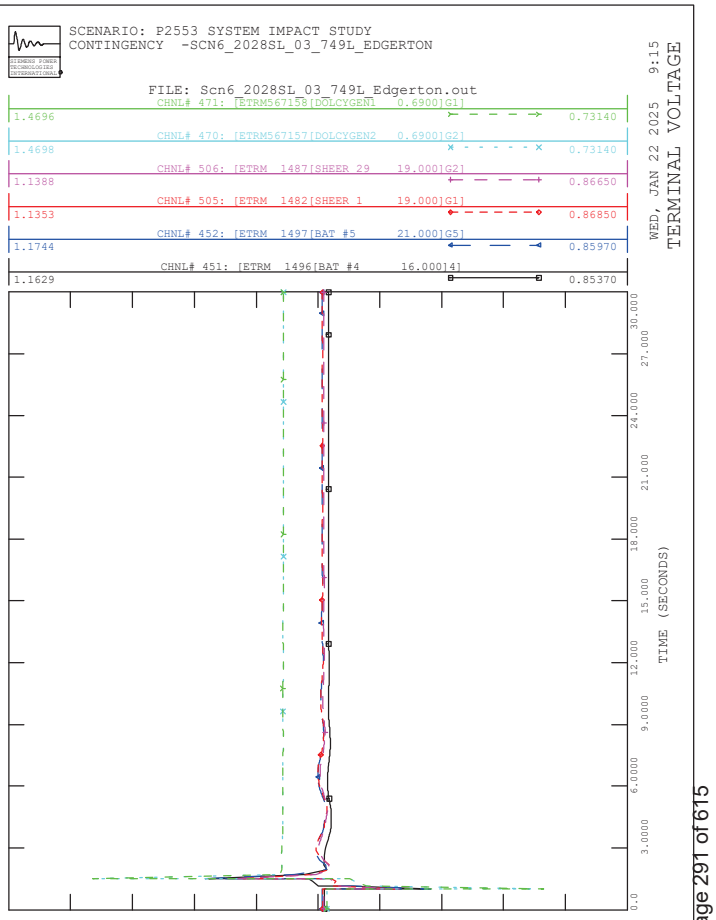
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_03_749L_EDGERTON
FILE: Scn6_2028SL_03_749L_Edgerton.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.4696
0.73140
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.4698
0.73140
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1388
0.86650
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1353
0.86850
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1744
0.85970
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1629
0.85370
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
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18.000
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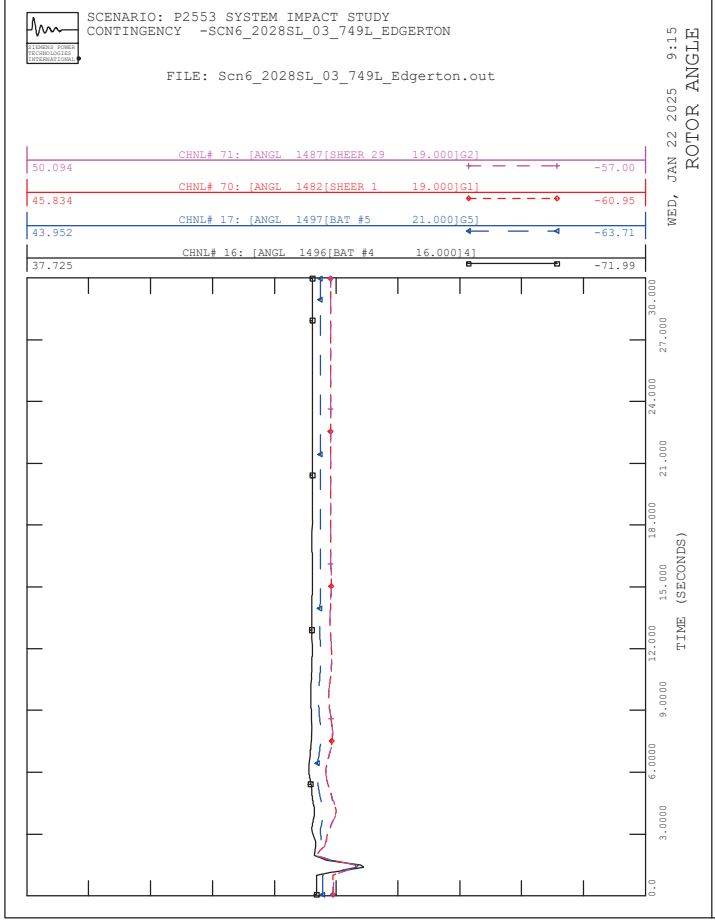
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_03_749L_EDGERTON
FILE: Scn6_2028SL_03_749L_Edgerton.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
50.094
-57.00
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
45.834
-60.95
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
43.952
-63.71
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
37.725
-71.99
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
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12.000
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18.000
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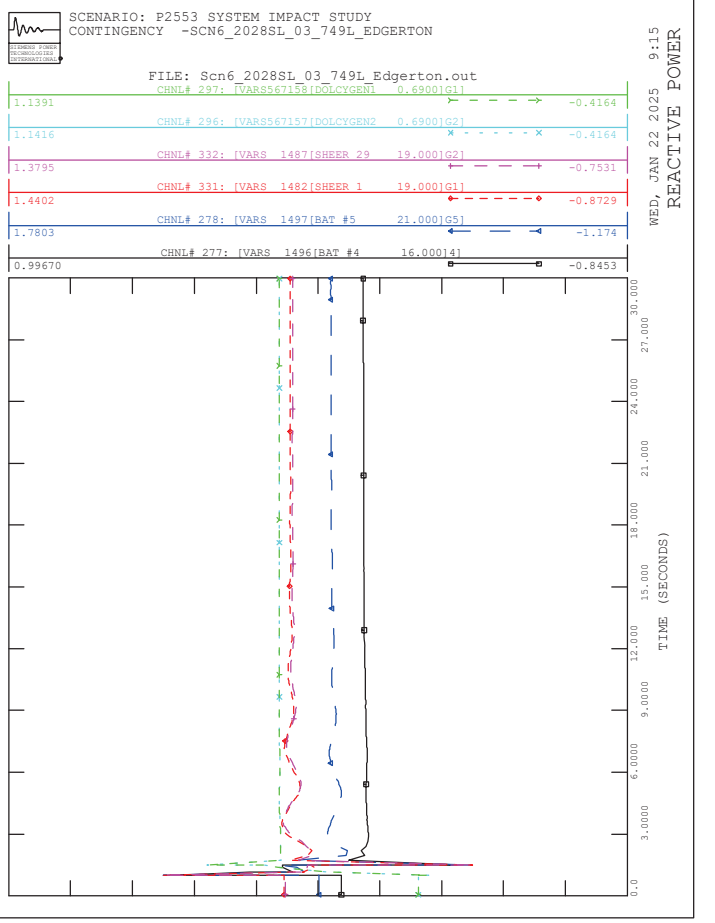
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_03_749L_EDGERTON
FILE: Scn6_2028SL_03_749L_Edgerton.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.1391
-0.4164
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.1416
-0.4164
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
1.3795
-0.7531
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
1.4402
-0.8729
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
1.7803
-1.174
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
0.99670
-0.8453
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
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3.0000
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12.000
15.000
18.000
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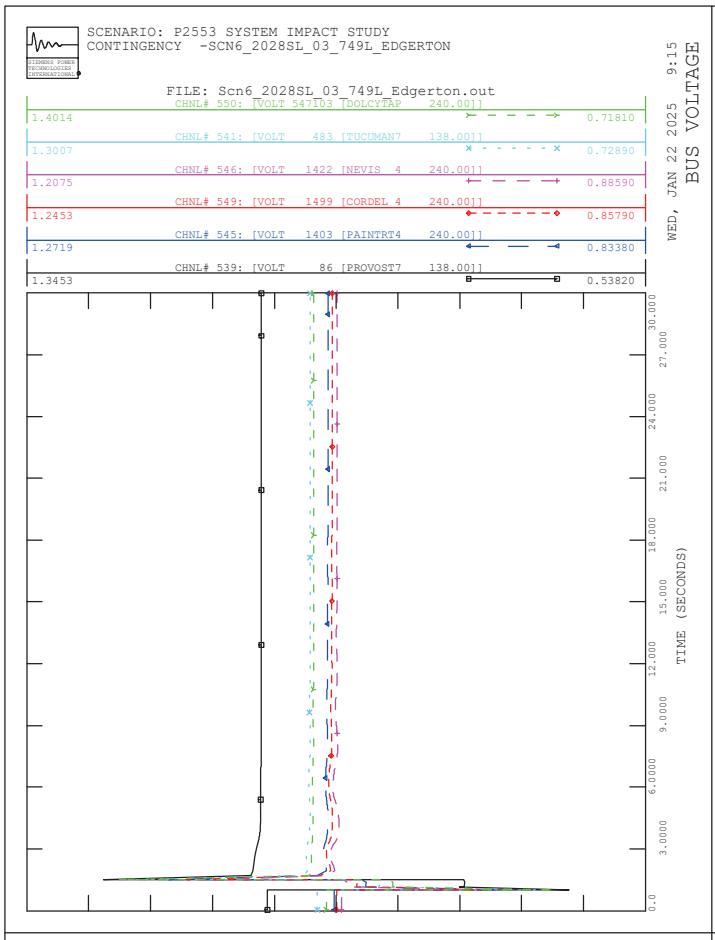
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_03_749L_EDGERTON
FILE: Scn6_2028SL_03_749L_Edgerton.out
CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.4014
0.71810
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.3007
0.72890
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.2075
0.88590
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2453
0.85790
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.2719
0.83380
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.3453
0.53820
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
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6.0000
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21.000
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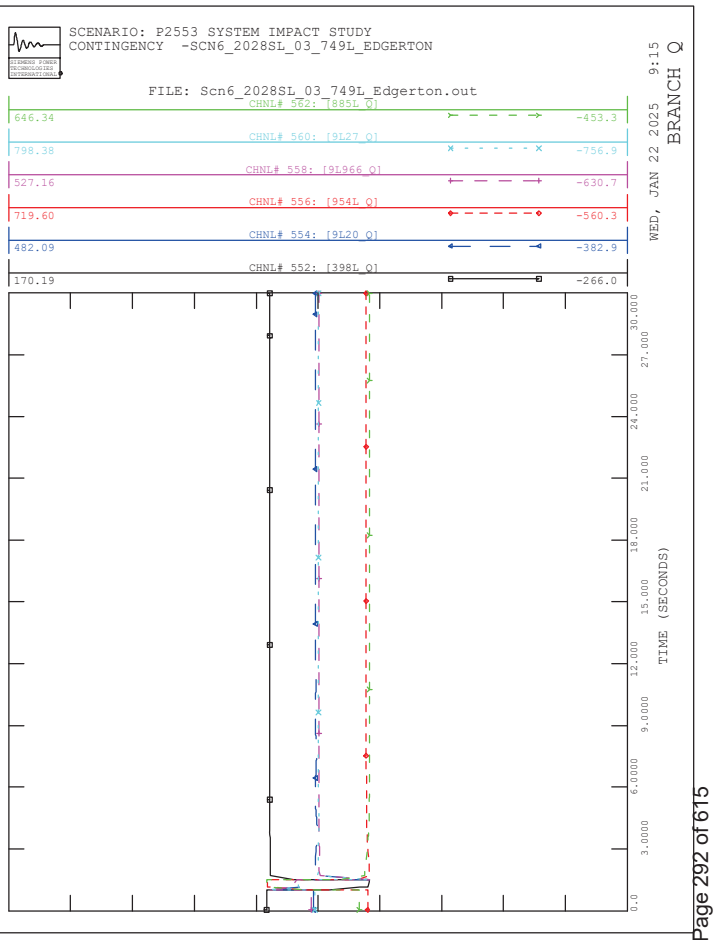
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CONTINGENCY -SCN6_2028SL_03_749L_EDGERTON
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CHNL# 562: [885L Q]
646.34
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CHNL# 560: [9L27 Q]
798.38
-756.9
CHNL# 558: [9L966 Q]
527.16
-630.7
CHNL# 556: [954L Q]
719.60
-560.3
CHNL# 554: [9L20 Q]
482.09
-382.9
CHNL# 552: [398L Q]
170.19
-266.0
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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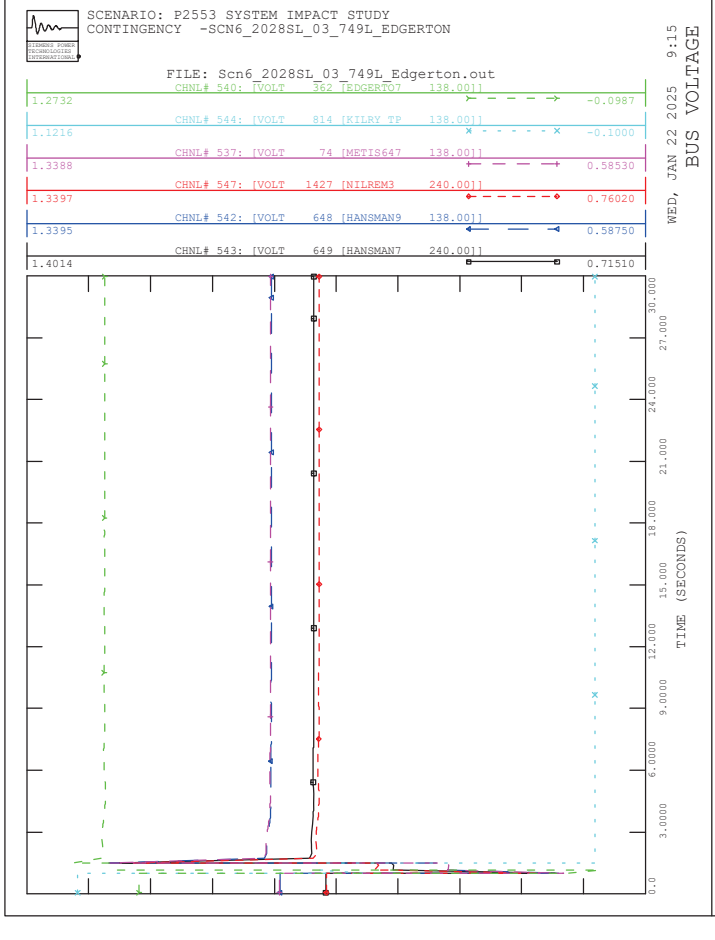
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_03_749L_EDGERTON
FILE: Scn6_2028SL_03_749L_Edgerton.out
CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.2732
-0.0987
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.1216
-0.1000
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.3388
0.58530
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.3397
0.76020
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.3395
0.58750
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.4014
0.71510
WED, JAN 22 2025 9:15
BUS VOLTAGE
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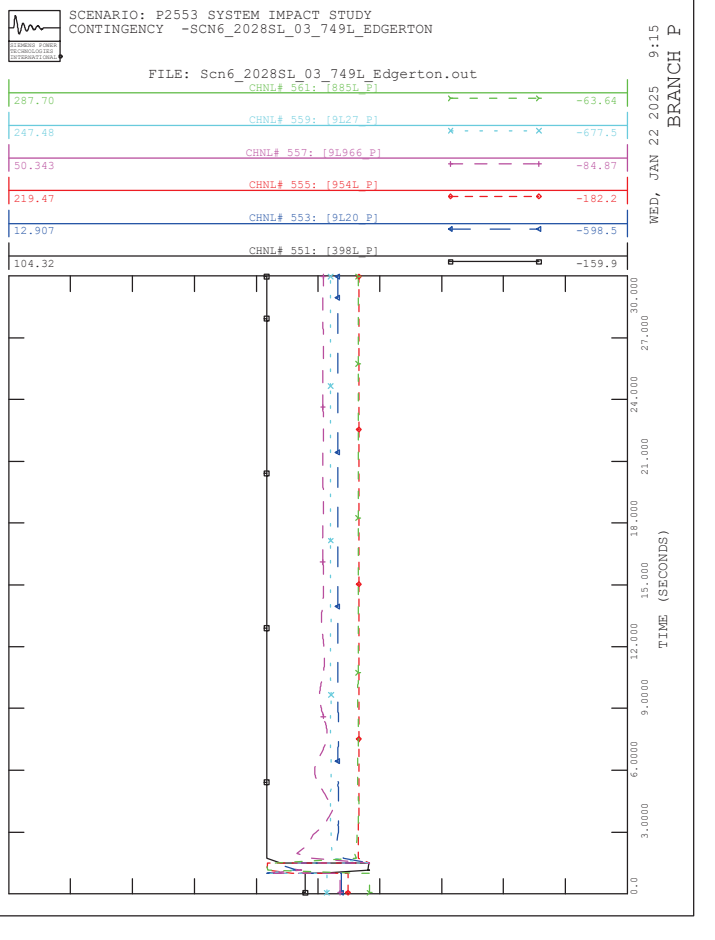
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_03_749L_EDGERTON
FILE: Scn6_2028SL_03_749L_Edgerton.out
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287.70
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CHNL# 559: [9L27 P]
247.48
-677.5
CHNL# 557: [9L966 P]
50.343
-84.87
CHNL# 555: [954L P]
219.47
-182.2
CHNL# 553: [9L20 P]
12.907
-598.5
CHNL# 551: [398L P]
104.32
-159.9
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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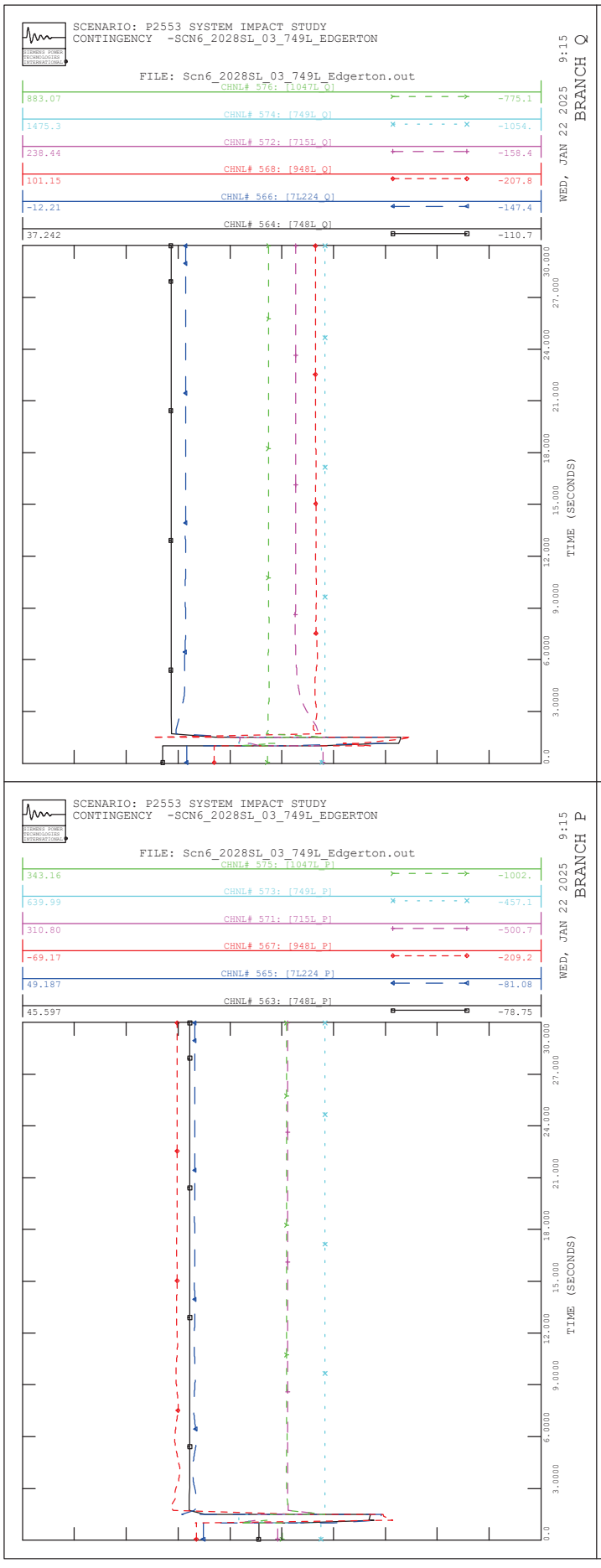
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CONTINGENCY -SCN6_2028SL_03_749L_EDGERTON
FILE: Scn6_2028SL_03_749L_Edgerton.out
CHNL# 576: [1047L Q]
883.07
-775.1
CHNL# 574: [749L Q]
1475.3
-1054.
CHNL# 572: [715L Q]
238.44
-158.4
CHNL# 568: [948L Q]
101.15
-207.8
CHNL# 566: [7L224 Q]
-12.21
-147.4
CHNL# 564: [748L Q]
37.242
-110.7
BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
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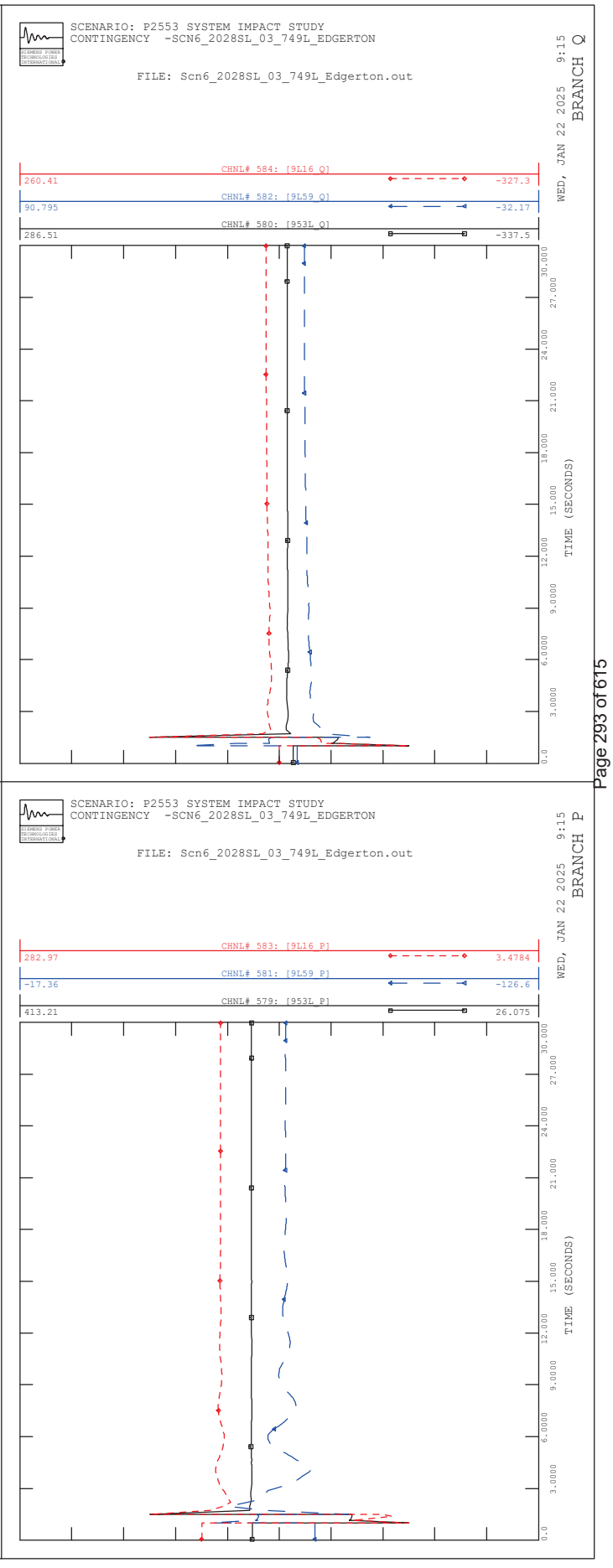
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CONTINGENCY -SCN6_2028SL_03_749L_EDGERTON
FILE: Scn6_2028SL_03_749L_Edgerton.out
CHNL# 584: [9L16 Q]
260.41
-327.3
CHNL# 582: [9L59 Q]
90.795
-32.17
CHNL# 580: [953L Q]
286.51
-337.5
BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
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3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
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30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_03_749L_EDGERTON
FILE: Scn6_2028SL_03_749L_Edgerton.out
CHNL# 575: [1047L P]
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-1002.
CHNL# 573: [749L P]
639.99
-457.1
CHNL# 571: [715L P]
310.80
-500.7
CHNL# 567: [948L P]
-69.17
-209.2
CHNL# 565: [7L224 P]
49.187
-81.08
CHNL# 563: [748L P]
45.597
-78.75
BRANCH P
WED, JAN 22 2025 9:15
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_03_749L_EDGERTON
FILE: Scn6_2028SL_03_749L_Edgerton.out
CHNL# 583: [9L16 P]
282.97
3.4784
CHNL# 581: [9L59 P]
-17.36
-126.6
CHNL# 579: [953L P]
413.21
26.075
BRANCH P
WED, JAN 22 2025 9:15
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_04_748L_KILLARNEY

FILE: Scn6_2028SL_04_748L_Killarney.out

CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.2677 0.64890
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.2801 0.64890
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.8951 0.95060
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.9192 0.95000
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.6623 0.34820
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.87780 -0.1126

WED, JAN 22 2025 9:15
ACTIVE POWER

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_04_748L_KILLARNEY

FILE: Scn6_2028SL_04_748L_Killarney.out

CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.4522 0.64290
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.4524 0.64290
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1422 0.85960
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1391 0.86200
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1734 0.84310
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1568 0.84260

WED, JAN 22 2025 9:15
TERMINAL VOLTAGE

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_04_748L_KILLARNEY

FILE: Scn6_2028SL_04_748L_Killarney.out

CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
49.656 -56.81
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
45.466 -60.77
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
43.980 -63.37
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
37.297 -70.72

WED, JAN 22 2025 9:15
ROTOR ANGLE

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_04_748L_KILLARNEY

FILE: Scn6_2028SL_04_748L_Killarney.out

CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.0384 -0.4253
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.0407 -0.4253
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
1.5192 -0.8741
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
1.5803 -0.9705
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
2.0785 -1.316
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
1.0896 -0.8394

WED, JAN 22 2025 9:15
REACTIVE POWER

TIME (SECONDS)
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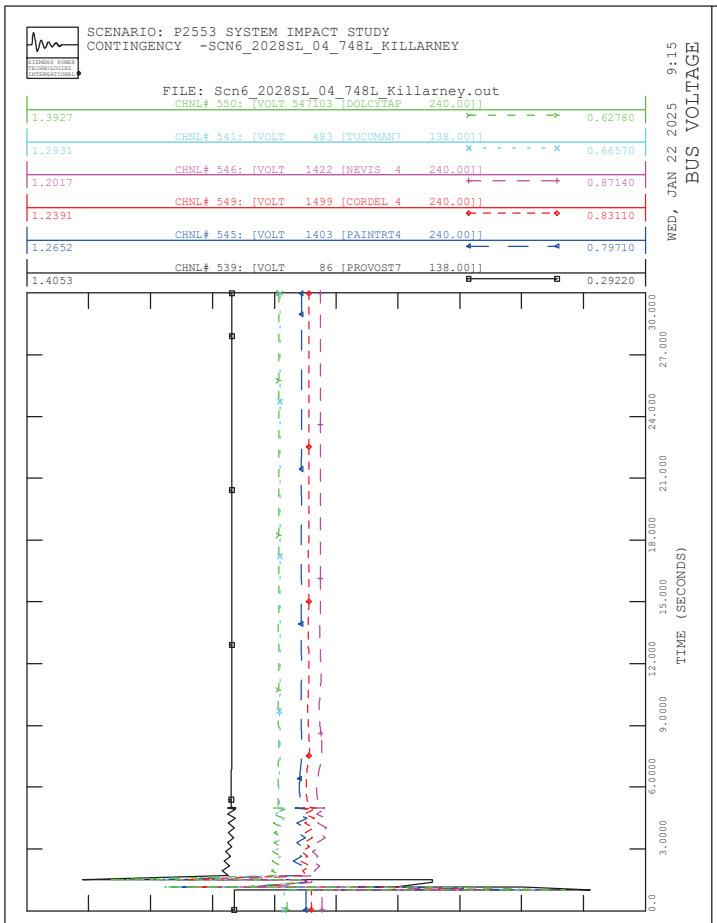
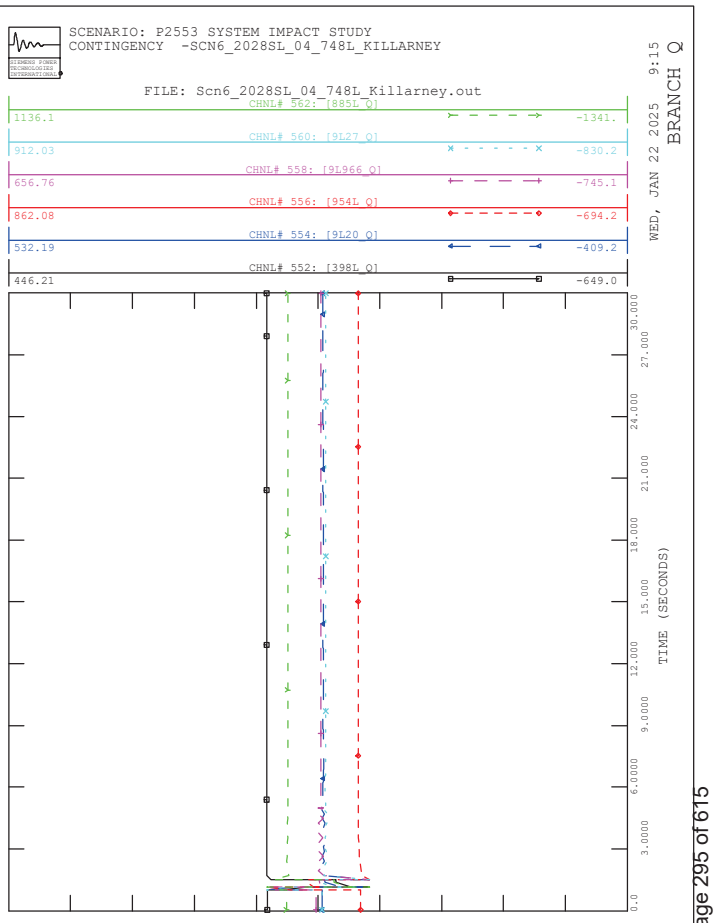

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_04_748L_KILLARNEY
FILE: Scn6_2028SL_04_748L_Killarney.out
CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]] 1.3927 0.62780
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]] 1.2931 0.66570
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]] 1.2017 0.87140
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]] 1.2391 0.83110
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]] 1.2652 0.79710
CHNL# 539: [VOLT 86 [PROVOST7 138.00]] 1.4053 0.29220
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_04_748L_KILLARNEY
FILE: Scn6_2028SL_04_748L_Killarney.out
CHNL# 562: [885L_Q] 1136.1 -1341.
CHNL# 560: [9L27_Q] 912.03 -830.2
CHNL# 558: [9L966_Q] 656.76 -745.1
CHNL# 556: [954L_Q] 862.08 -694.2
CHNL# 554: [9L20_Q] 532.19 -409.2
CHNL# 552: [398L_Q] 446.21 -649.0
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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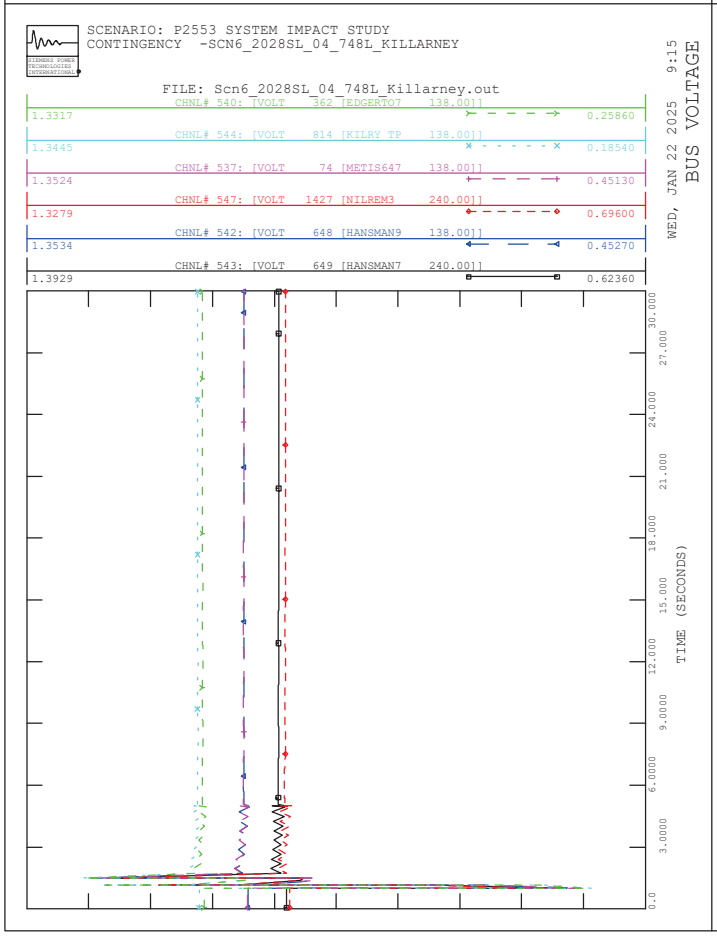
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_04_748L_KILLARNEY
FILE: Scn6_2028SL_04_748L_Killarney.out
CHNL# 540: [VOLT 362 [EDGERTO7 138.00]] 1.3317 0.25860
CHNL# 544: [VOLT 814 [KILRY TP 138.00]] 1.3445 0.18540
CHNL# 537: [VOLT 74 [METIS647 138.00]] 1.3524 0.45130
CHNL# 547: [VOLT 1427 [NILREM3 240.00]] 1.3279 0.69600
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]] 1.3534 0.45270
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]] 1.3929 0.62360
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BUS VOLTAGE
TIME (SECONDS)
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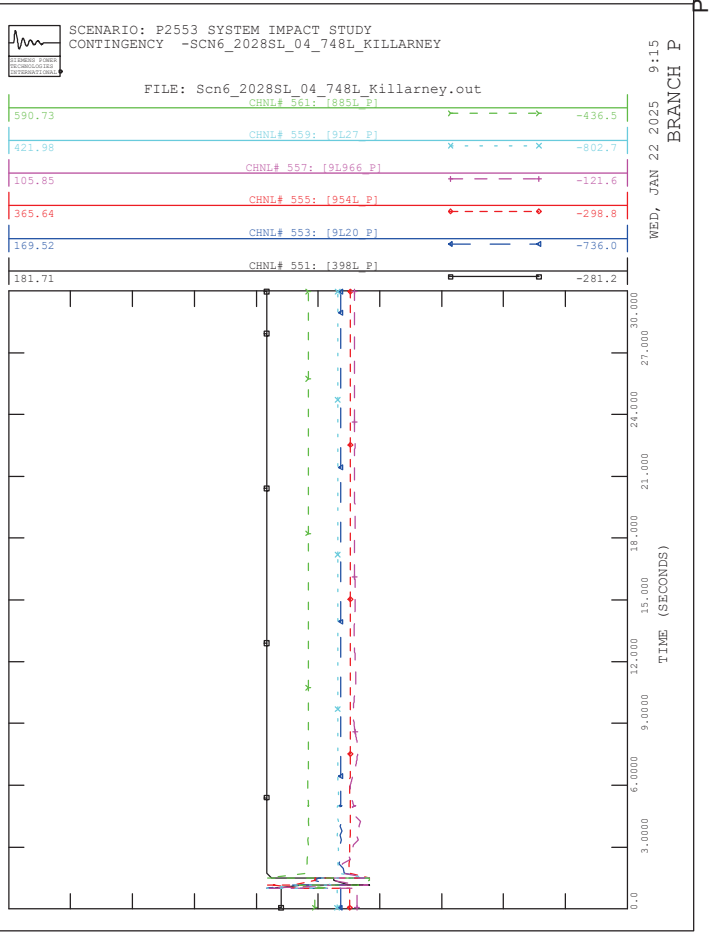
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CONTINGENCY -SCN6_2028SL_04_748L_KILLARNEY
FILE: Scn6_2028SL_04_748L_Killarney.out
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CHNL# 559: [9L27_P] 421.98 -802.7
CHNL# 557: [9L966_P] 105.85 -121.6
CHNL# 555: [954L_P] 365.64 -298.8
CHNL# 553: [9L20_P] 169.52 -736.0
CHNL# 551: [398L_P] 181.71 -281.2
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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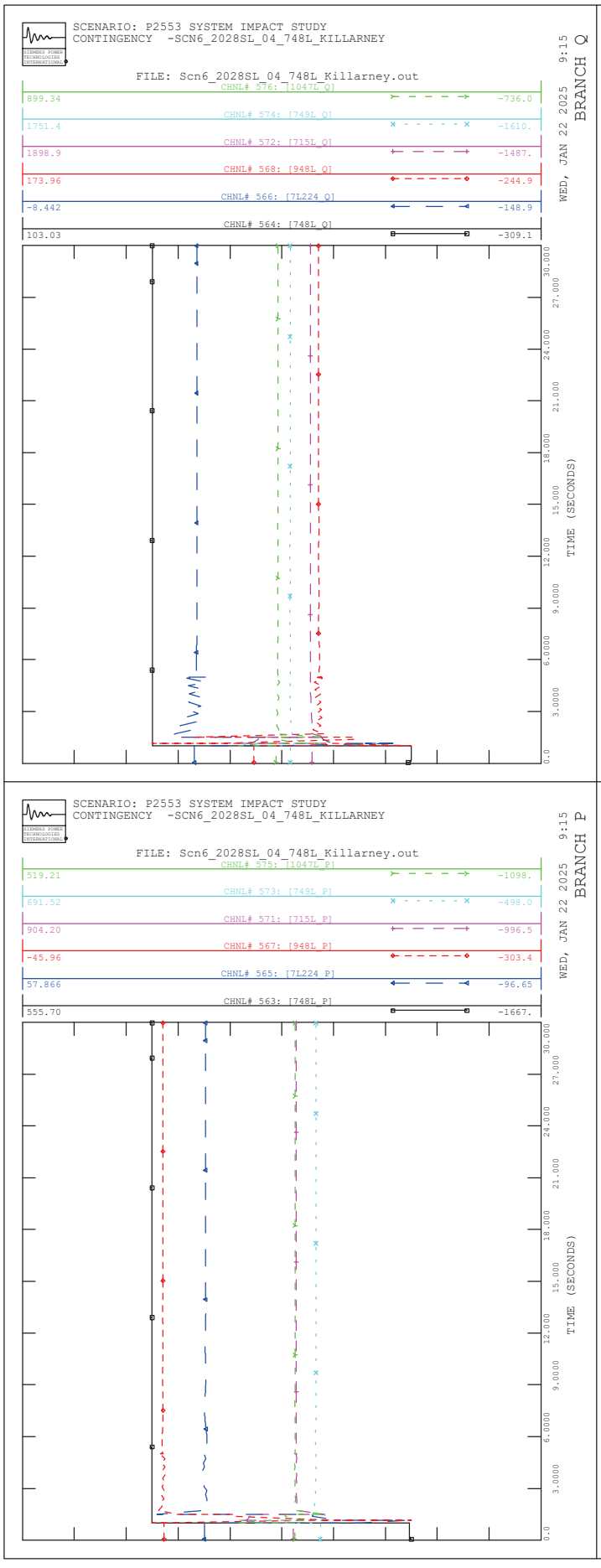
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_04_748L_KILLARNEY
FILE: Scn6_2028SL_04_748L_Killarney.out
CHNL# 576: [1047L Q]
899.34
-736.0
CHNL# 574: [749L Q]
1751.4
-1610.
CHNL# 572: [715L Q]
1898.9
-1487.
CHNL# 568: [948L Q]
173.96
-244.9
CHNL# 566: [7L224 Q]
-8.442
-148.9
CHNL# 564: [748L Q]
103.03
-309.1
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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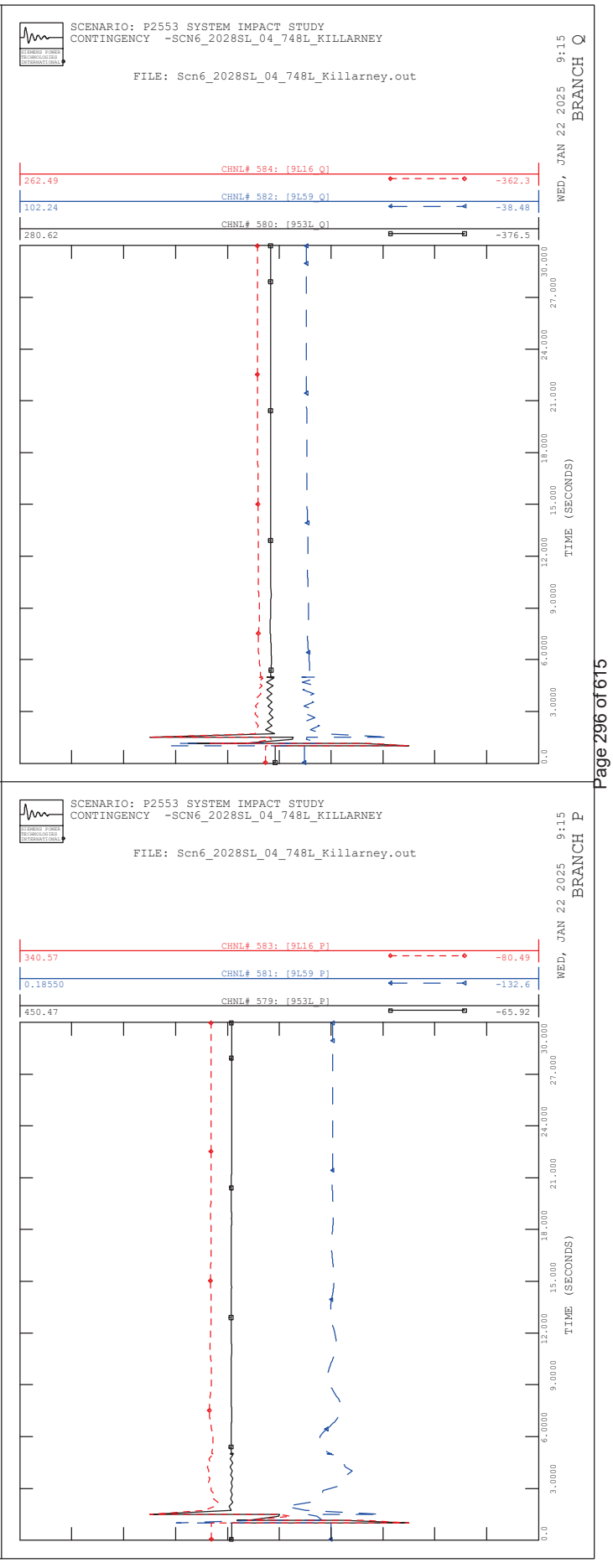
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_04_748L_KILLARNEY
FILE: Scn6_2028SL_04_748L_Killarney.out
CHNL# 584: [9L16 Q]
262.49
-362.3
CHNL# 582: [9L59 Q]
102.24
-38.48
CHNL# 580: [953L Q]
280.62
-376.5
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_04_748L_KILLARNEY
FILE: Scn6_2028SL_04_748L_Killarney.out
CHNL# 575: [1047L P]
519.21
-1098.
CHNL# 573: [749L P]
691.52
-498.0
CHNL# 571: [715L P]
904.20
-996.5
CHNL# 567: [948L P]
-45.96
-303.4
CHNL# 565: [7L224 P]
57.866
-96.65
CHNL# 563: [748L P]
555.70
-1667.
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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3.0000
6.0000
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_04_748L_KILLARNEY
FILE: Scn6_2028SL_04_748L_Killarney.out
CHNL# 583: [9L16 P]
340.57
-80.49
CHNL# 581: [9L59 P]
0.18550
-132.6
CHNL# 579: [953L P]
450.47
-65.92
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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12.000
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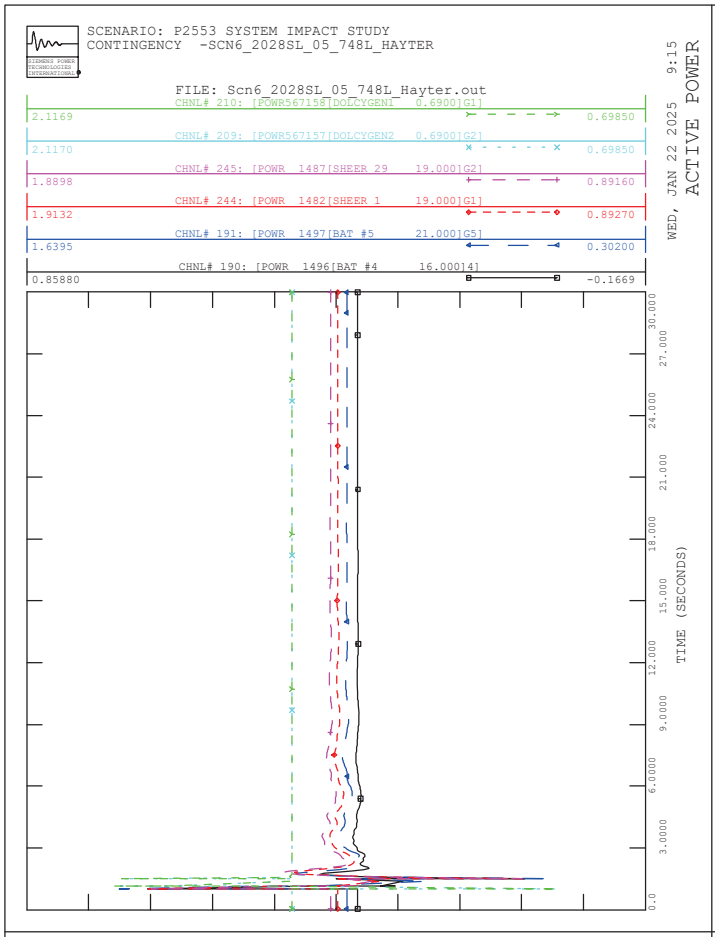
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CONTINGENCY -SCN6_2028SL_05_748L_HAYTER
FILE: Scn6_2028SL_05_748L_Hayter.out
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2.1169
0.69850
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.1170
0.69850
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.8898
0.89160
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.9132
0.89270
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.6395
0.30200
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.85880
-0.1669
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
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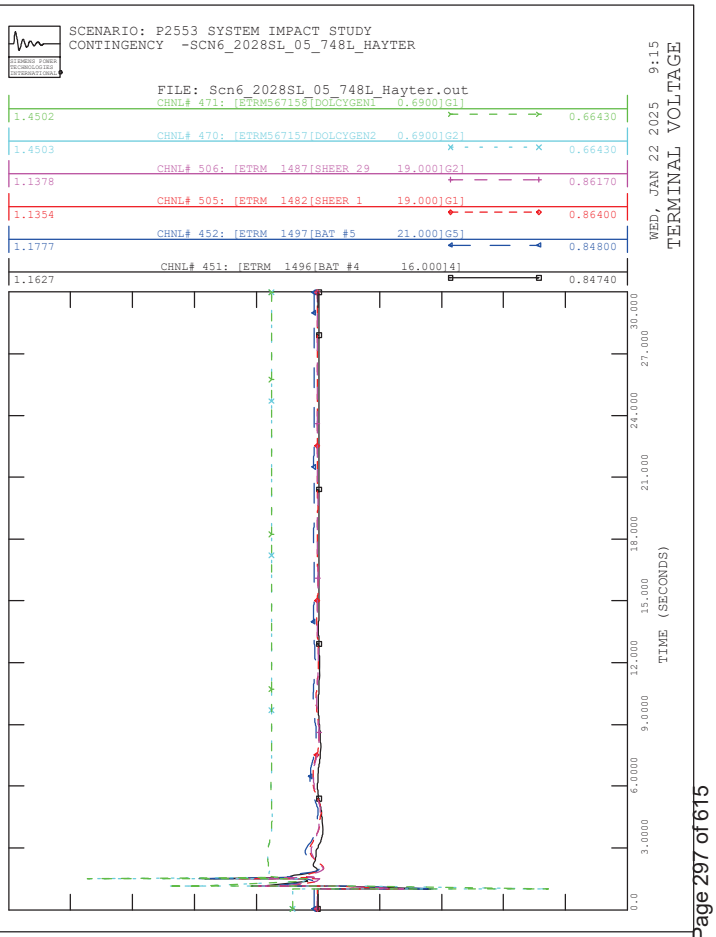
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_05_748L_HAYTER
FILE: Scn6_2028SL_05_748L_Hayter.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.4502
0.66430
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.4503
0.66430
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1378
0.86170
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1354
0.86400
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1777
0.84800
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1627
0.84740
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
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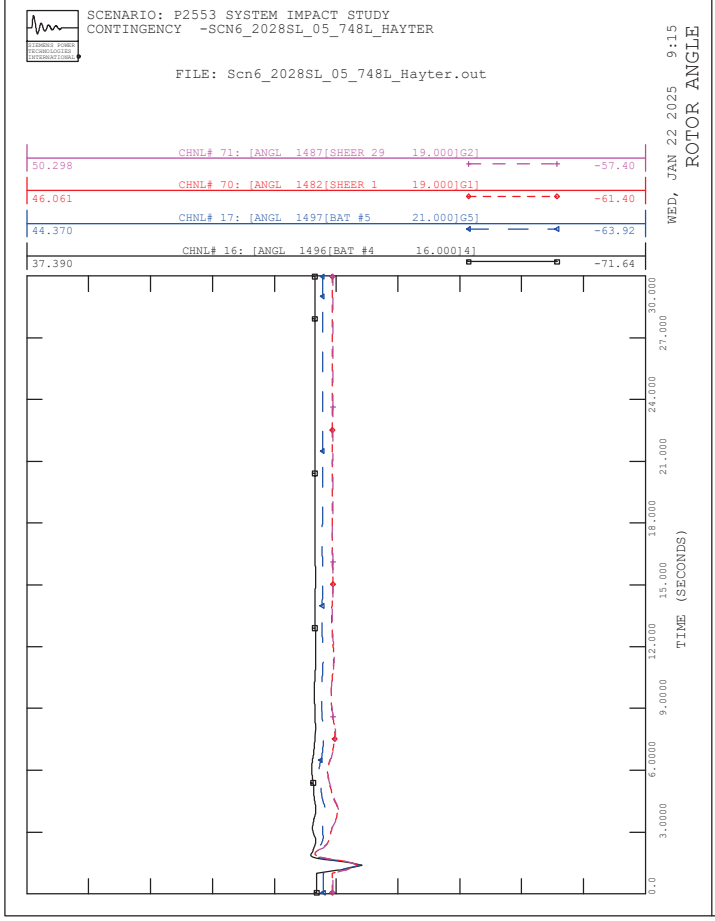
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_05_748L_HAYTER
FILE: Scn6_2028SL_05_748L_Hayter.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
50.298
-57.40
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
46.061
-61.40
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
44.370
-63.92
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
37.390
-71.64
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
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3.0000
6.0000
9.0000
12.000
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18.000
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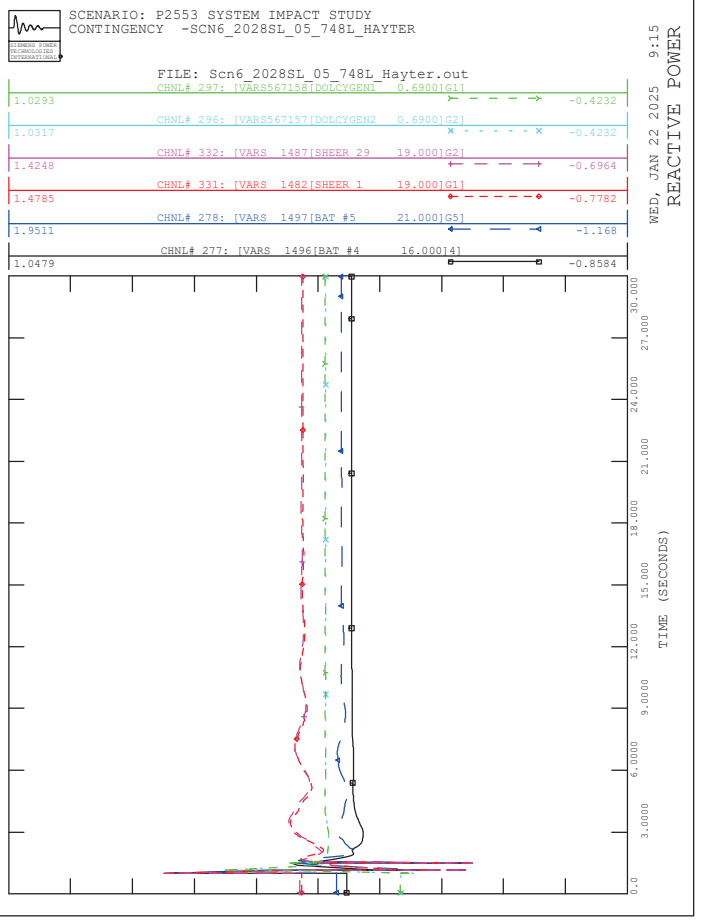
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_05_748L_HAYTER
FILE: Scn6_2028SL_05_748L_Hayter.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.0293
-0.4232
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.0317
-0.4232
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
1.4248
-0.6964
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
1.4785
-0.7782
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
1.9511
-1.168
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
1.0479
-0.8584
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
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3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
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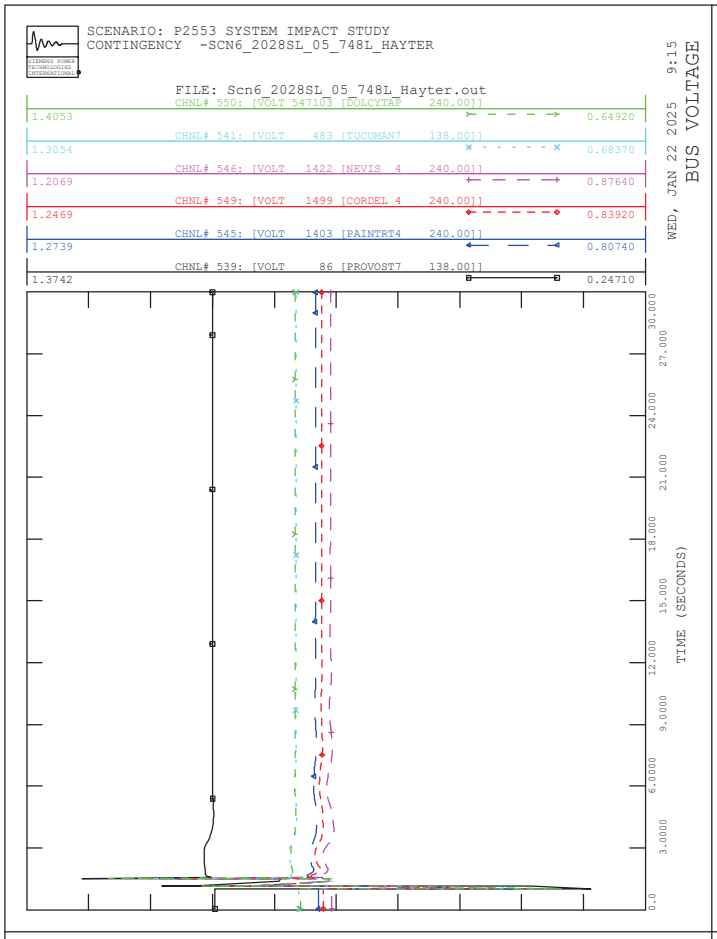
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_05_748L_HAYTER
FILE: Scn6_2028SL_05_748L_Hayter.out
CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.4053
0.64920
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.3054
0.68370
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.2069
0.87640
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2469
0.83920
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.2739
0.80740
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.3742
0.24710
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
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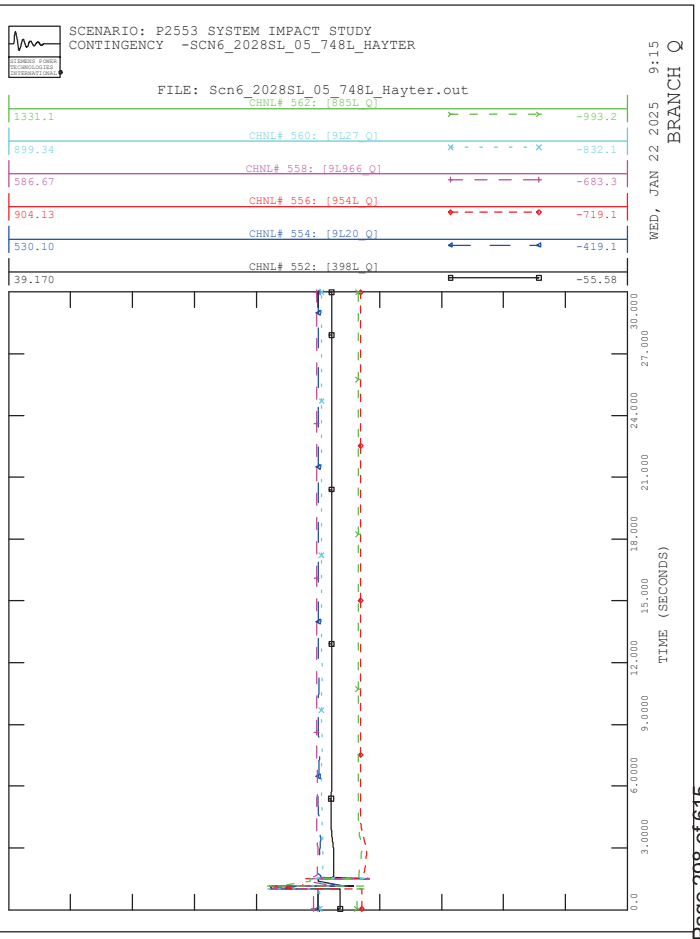
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_05_748L_HAYTER
FILE: Scn6_2028SL_05_748L_Hayter.out
CHNL# 562: [885L_Q]
1331.1
-993.2
CHNL# 560: [9L27_Q]
899.34
-832.1
CHNL# 558: [9L966_Q]
586.67
-683.3
CHNL# 556: [954L_Q]
904.13
-719.1
CHNL# 554: [9L20_Q]
530.10
-419.1
CHNL# 552: [398L_Q]
39.170
-55.58
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
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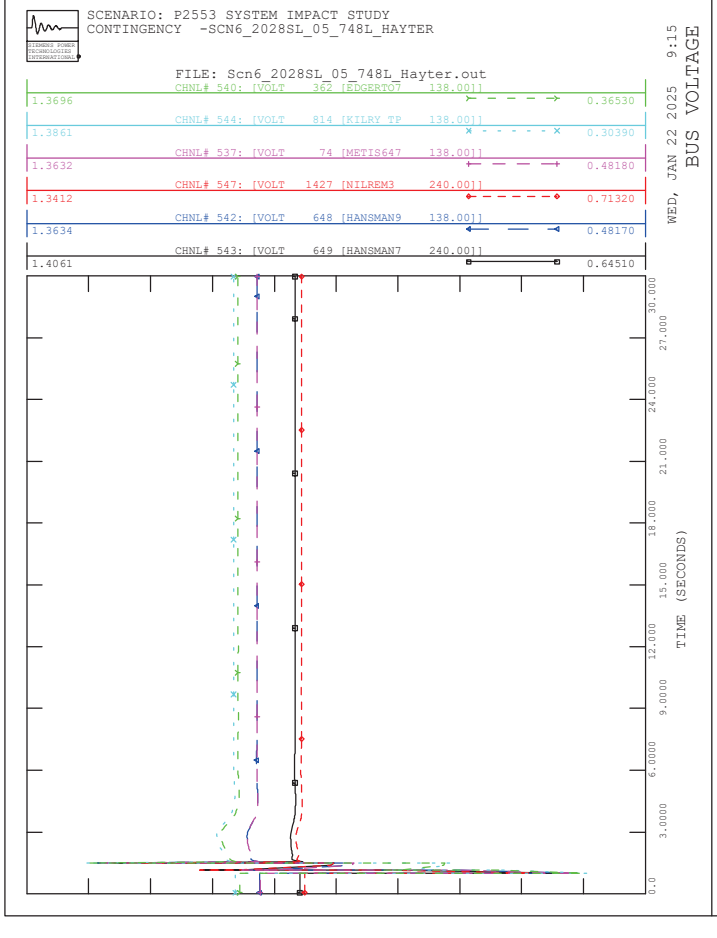
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_05_748L_HAYTER
FILE: Scn6_2028SL_05_748L_Hayter.out
CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.3696
0.36530
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.3861
0.30390
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.3632
0.48180
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.3412
0.71320
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.3634
0.48170
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.4061
0.64510
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
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6.0000
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12.000
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18.000
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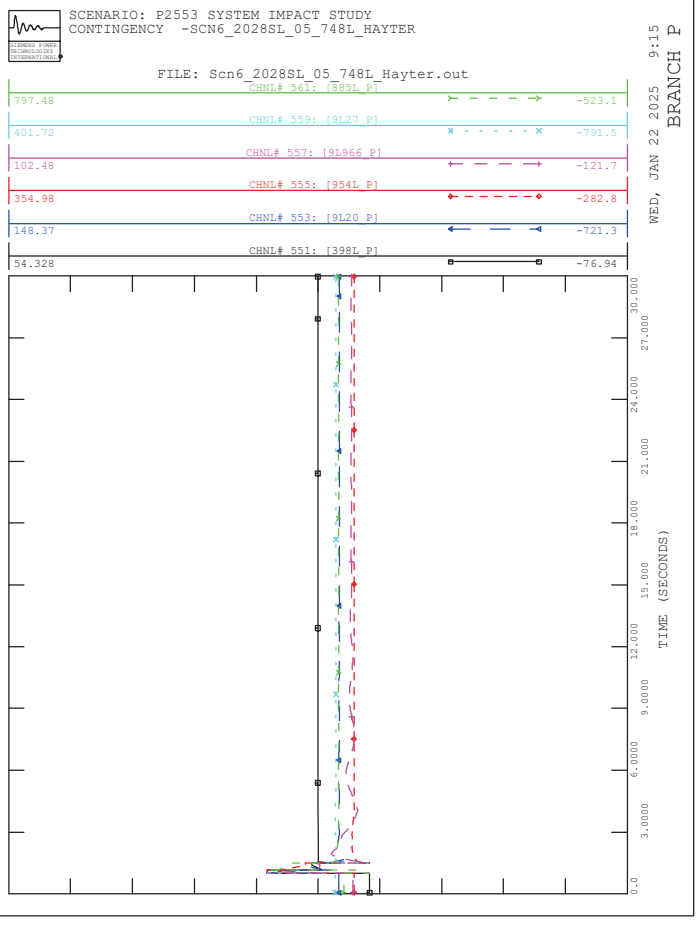
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_05_748L_HAYTER
FILE: Scn6_2028SL_05_748L_Hayter.out
CHNL# 561: [885L_P]
797.48
-523.1
CHNL# 559: [9L27_P]
401.72
-791.5
CHNL# 557: [9L966_P]
102.48
-121.7
CHNL# 555: [954L_P]
354.98
-282.8
CHNL# 553: [9L20_P]
148.37
-721.3
CHNL# 551: [398L_P]
54.328
-76.94
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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3.0000
6.0000
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12.000
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18.000
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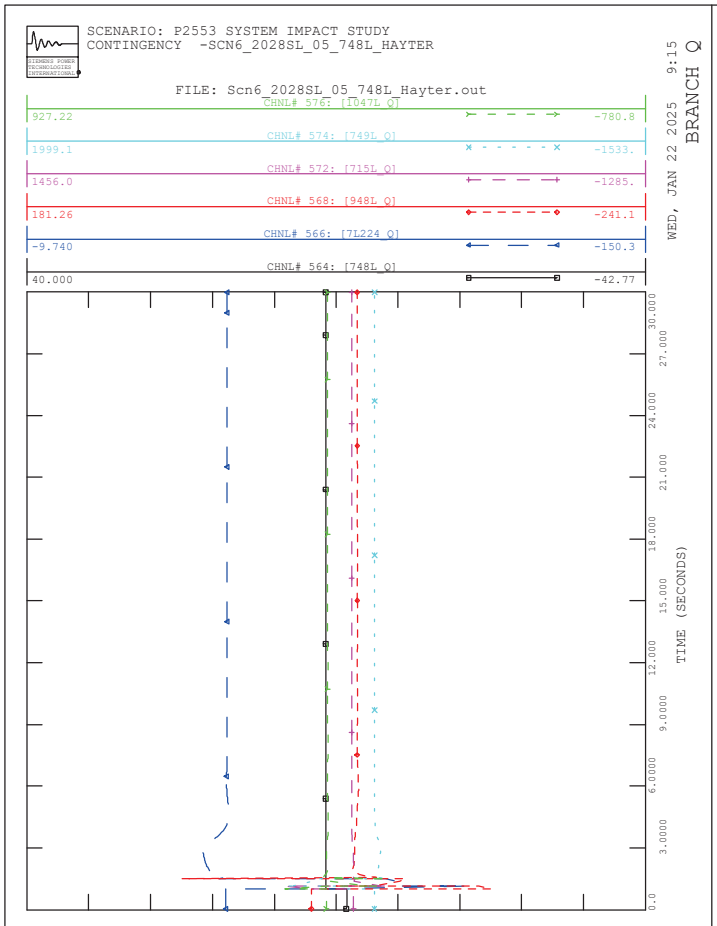
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_05_748L_HAYTER
FILE: Scn6_2028SL_05_748L_Hayter.out
CHNL# 576: [1047L Q]
927.22
-780.8
CHNL# 574: [749L Q]
1999.1
-1533.
CHNL# 572: [715L Q]
1456.0
-1285.
CHNL# 568: [948L Q]
181.26
-241.1
CHNL# 566: [7L224 Q]
-9.740
-150.3
CHNL# 564: [748L Q]
40.000
-42.77
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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6.0000
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12.000
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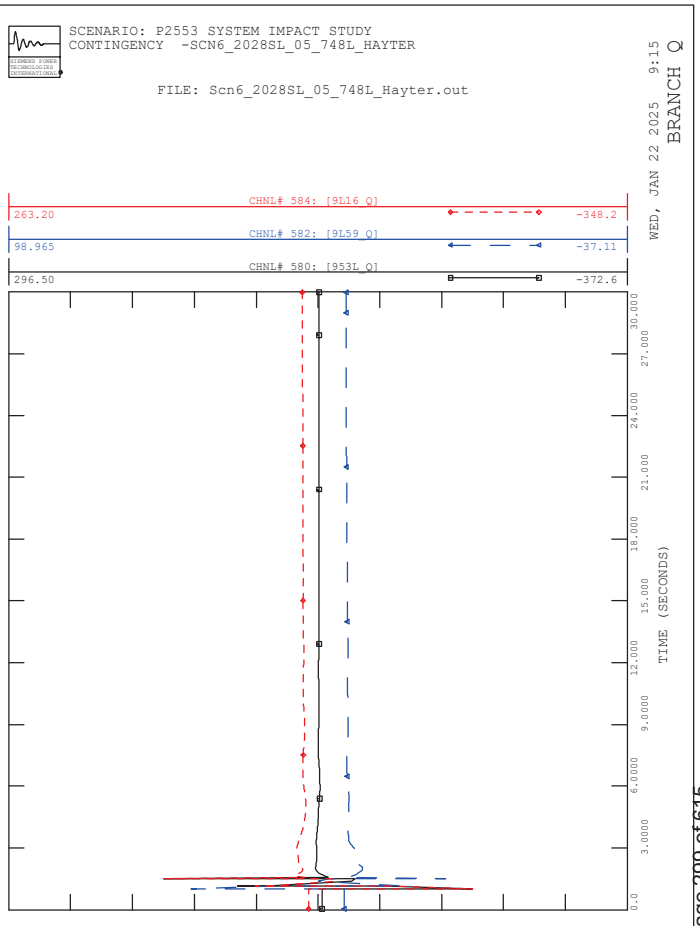
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_05_748L_HAYTER
FILE: Scn6_2028SL_05_748L_Hayter.out
CHNL# 584: [9L16 Q]
263.20
-348.2
CHNL# 582: [9L59 Q]
98.965
-37.11
CHNL# 580: [953L Q]
296.50
-372.6
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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3.0000
6.0000
9.0000
12.000
15.000
18.000
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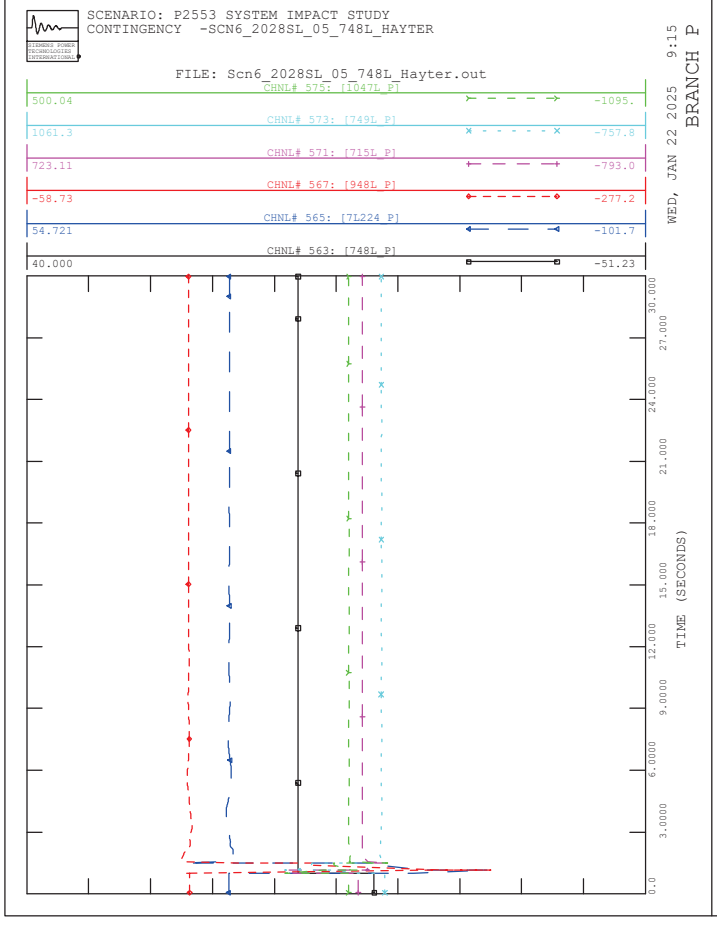
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_05_748L_HAYTER
FILE: Scn6_2028SL_05_748L_Hayter.out
CHNL# 575: [1047L P]
500.04
-1095.
CHNL# 573: [749L P]
1061.3
-757.8
CHNL# 571: [715L P]
723.11
-793.0
CHNL# 567: [948L P]
-58.73
-277.2
CHNL# 565: [7L224 P]
54.721
-101.7
CHNL# 563: [748L P]
40.000
-51.23
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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3.0000
6.0000
9.0000
12.000
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18.000
21.000
24.000
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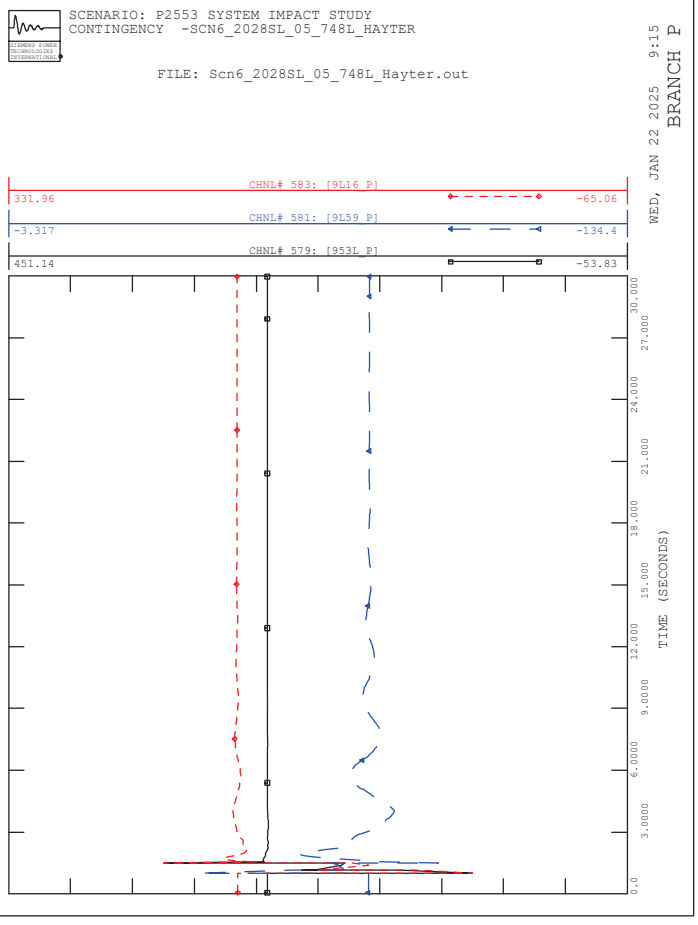
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_05_748L_HAYTER
FILE: Scn6_2028SL_05_748L_Hayter.out
CHNL# 583: [9L16 P]
331.96
-65.06
CHNL# 581: [9L59 P]
-3.317
-134.4
CHNL# 579: [953L P]
451.14
-53.83
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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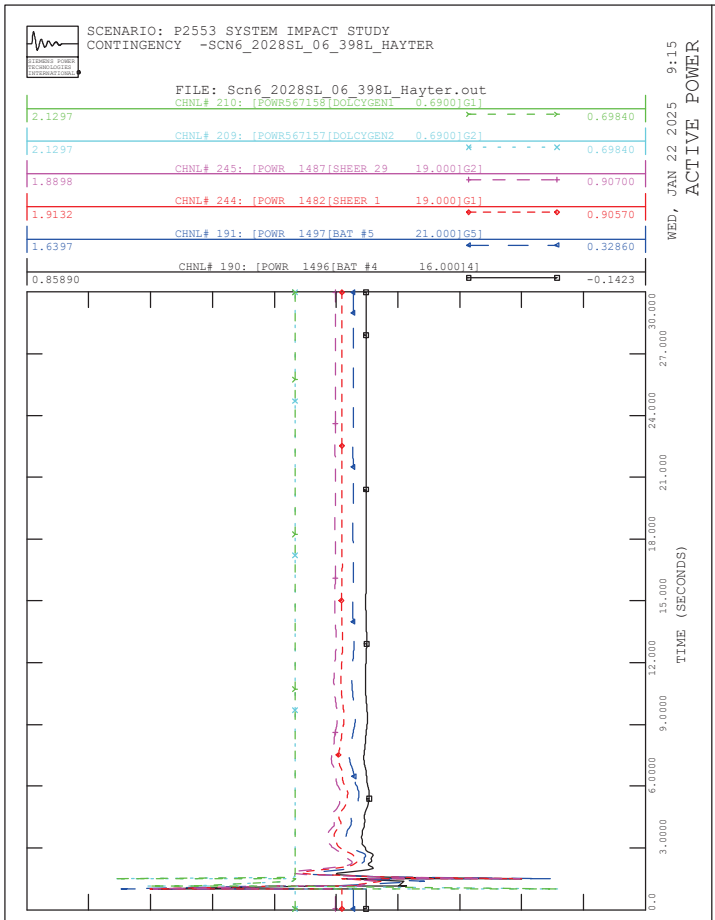
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_06_398L_HAYTER
FILE: Scn6_2028SL_06_398L_Hayter.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.1297
0.69840
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.1297
0.69840
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.8898
0.90700
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.9132
0.90570
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.6397
0.32860
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.85890
-0.1423
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
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6.0000
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12.000
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18.000
21.000
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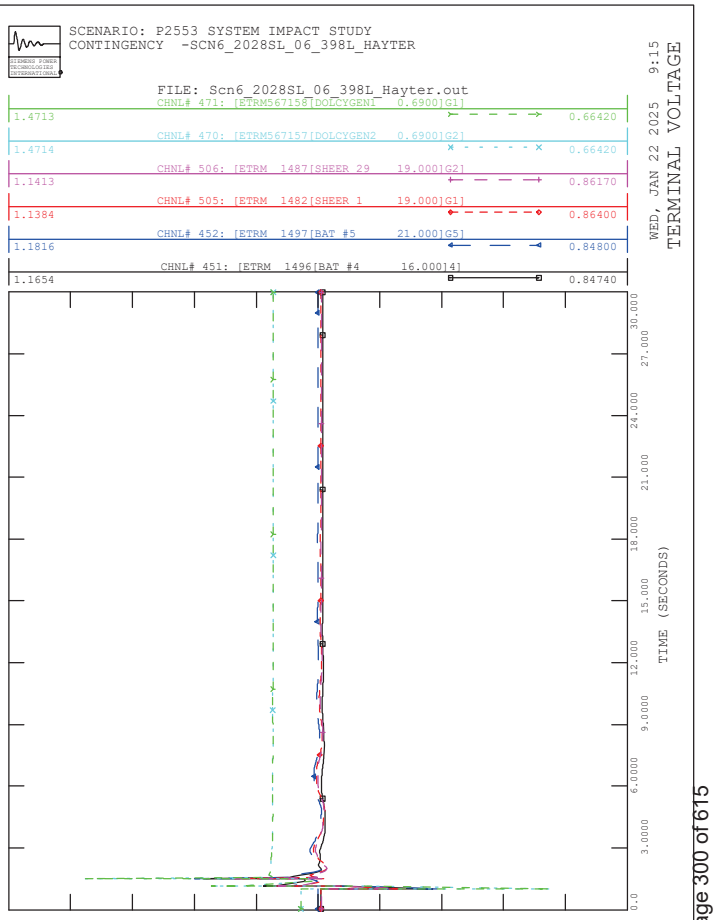
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_06_398L_HAYTER
FILE: Scn6_2028SL_06_398L_Hayter.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.4713
0.66420
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.4714
0.66420
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1413
0.86170
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1384
0.86400
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1816
0.84800
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1654
0.84740
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
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6.0000
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12.000
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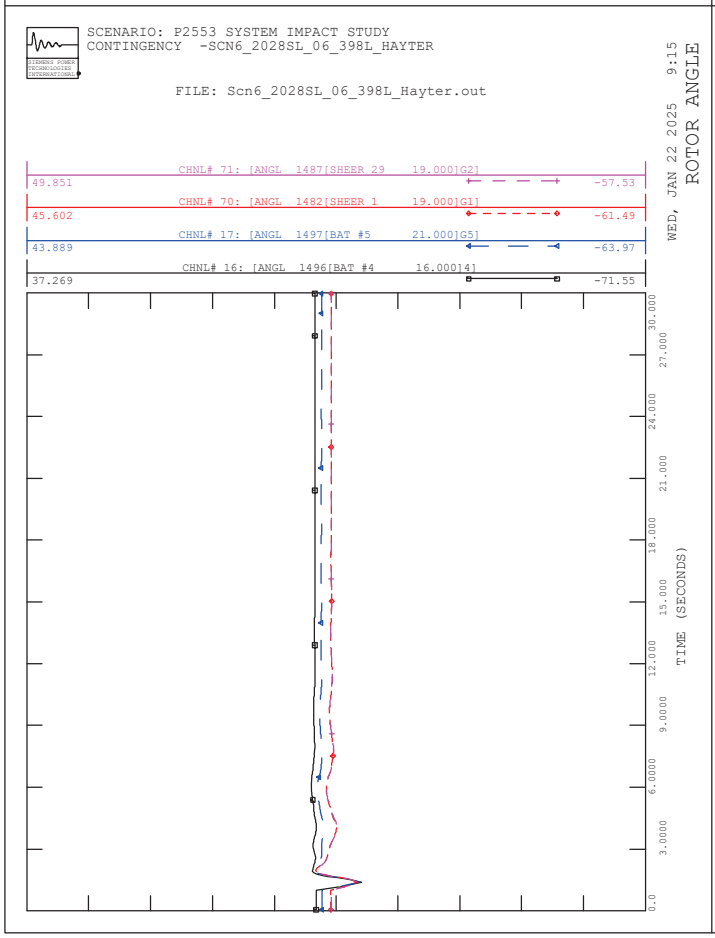
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_06_398L_HAYTER
FILE: Scn6_2028SL_06_398L_Hayter.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
49.851
-57.53
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
45.602
-61.49
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
43.889
-63.97
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
37.269
-71.55
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
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6.0000
9.0000
12.000
15.000
18.000
21.000
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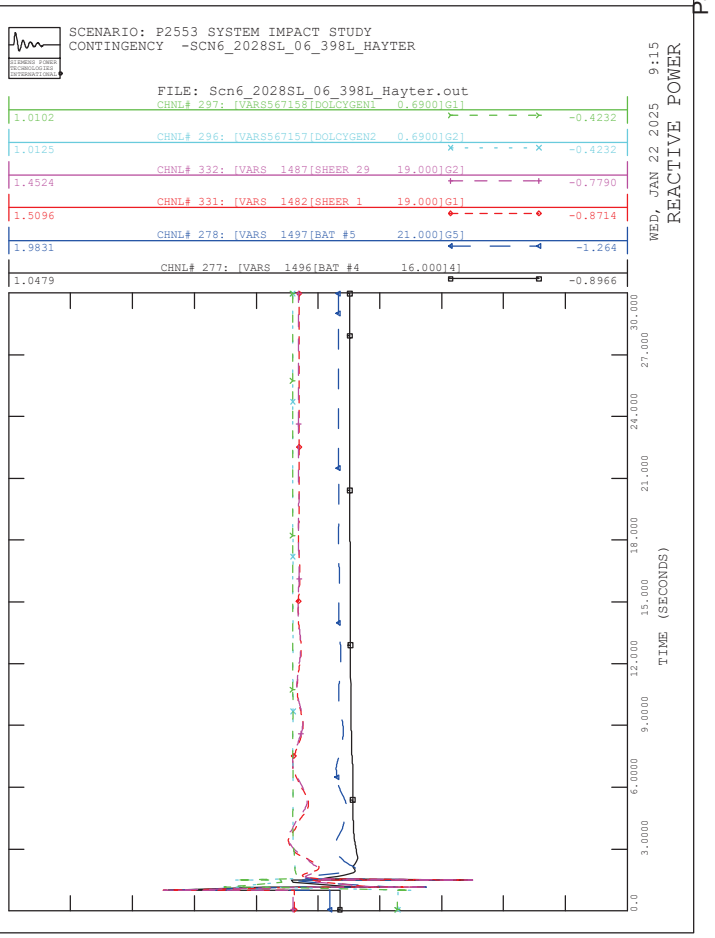
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_06_398L_HAYTER
FILE: Scn6_2028SL_06_398L_Hayter.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.0102
-0.4232
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.0125
-0.4232
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
1.4524
-0.7790
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
1.5096
-0.8714
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
1.9831
-1.264
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
1.0479
-0.8966
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_06_398L_HAYTER

FILE: Scn6_2028SL_06_398L_Hayter.out

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.4171 0.64910
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.3146 0.68360
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.2121 0.87640
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2536 0.83920
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.2818 0.80740
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.3908 0.24600

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

WED, JAN 22 2025 9:15
BUS VOLTAGE

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_06_398L_HAYTER

FILE: Scn6_2028SL_06_398L_Hayter.out

CHNL# 562: [885L_Q]
1057.1 -1312.
CHNL# 560: [9L27_Q]
923.37 -865.7
CHNL# 558: [9L966_Q]
591.63 -690.2
CHNL# 556: [954L_Q]
892.31 -702.1
CHNL# 554: [9L20_Q]
545.18 -440.2
CHNL# 552: [398L_Q]
2892.8 -4050.

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

WED, JAN 22 2025 9:15
BRANCH Q

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_06_398L_HAYTER

FILE: Scn6_2028SL_06_398L_Hayter.out

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.3441 0.36590
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.3562 0.30450
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.3680 0.48170
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.3516 0.71310
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.3689 0.48160
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.4175 0.64510

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

WED, JAN 22 2025 9:15
BUS VOLTAGE

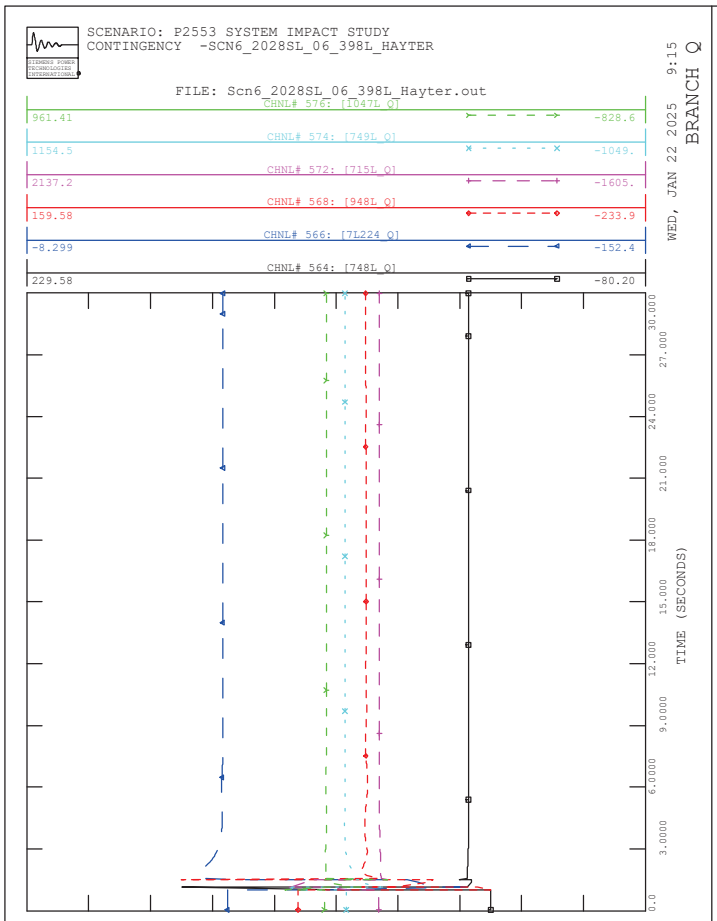
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_06_398L_HAYTER

FILE: Scn6_2028SL_06_398L_Hayter.out

CHNL# 561: [885L_P]
623.01 -525.3
CHNL# 559: [9L27_P]
386.67 -770.4
CHNL# 557: [9L966_P]
91.627 -106.5
CHNL# 555: [954L_P]
322.58 -237.5
CHNL# 553: [9L20_P]
141.58 -711.8
CHNL# 551: [398L_P]
5000.0 -5000.

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

WED, JAN 22 2025 9:15
BRANCH P


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_06_398L_HAYTER
FILE: Scn6_2028SL_06_398L_Hayter.out
CHNL# 576: [I047L_Q]
961.41
-828.6
CHNL# 574: [749L_Q]
1154.5
-1049.
CHNL# 572: [715L_Q]
2137.2
-1605.
CHNL# 568: [948L_Q]
159.58
-233.9
CHNL# 566: [7L224_Q]
-8.299
-152.4
CHNL# 564: [748L_Q]
229.58
-80.20
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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3.0000
6.0000
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12.000
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18.000
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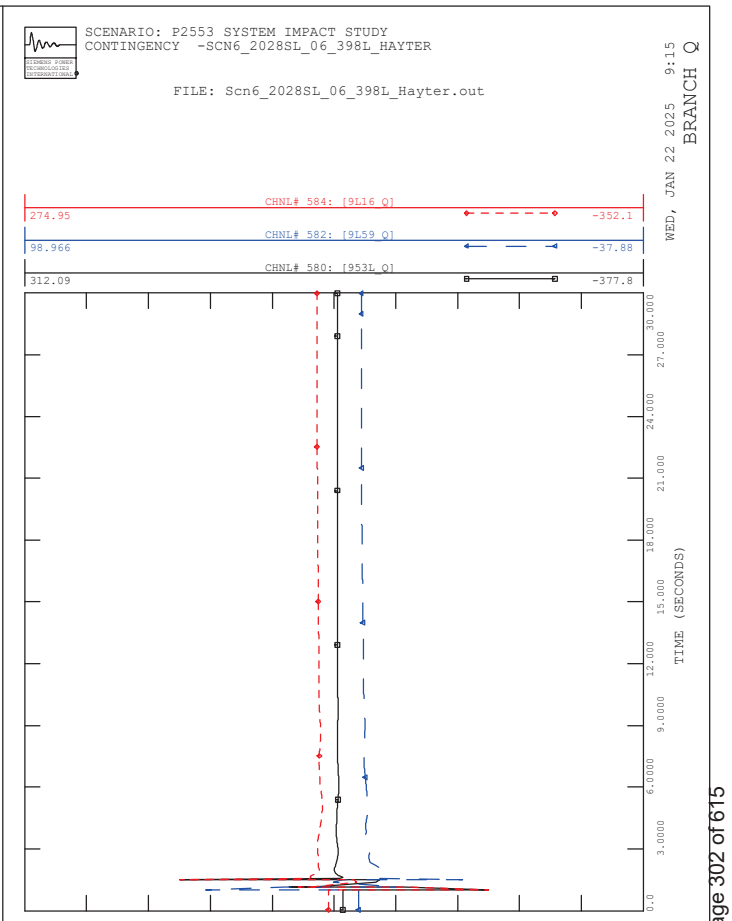
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_06_398L_HAYTER
FILE: Scn6_2028SL_06_398L_Hayter.out
CHNL# 584: [9L16_Q]
274.95
-352.1
CHNL# 582: [9L59_Q]
98.966
-37.88
CHNL# 580: [953L_Q]
312.09
-377.8
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
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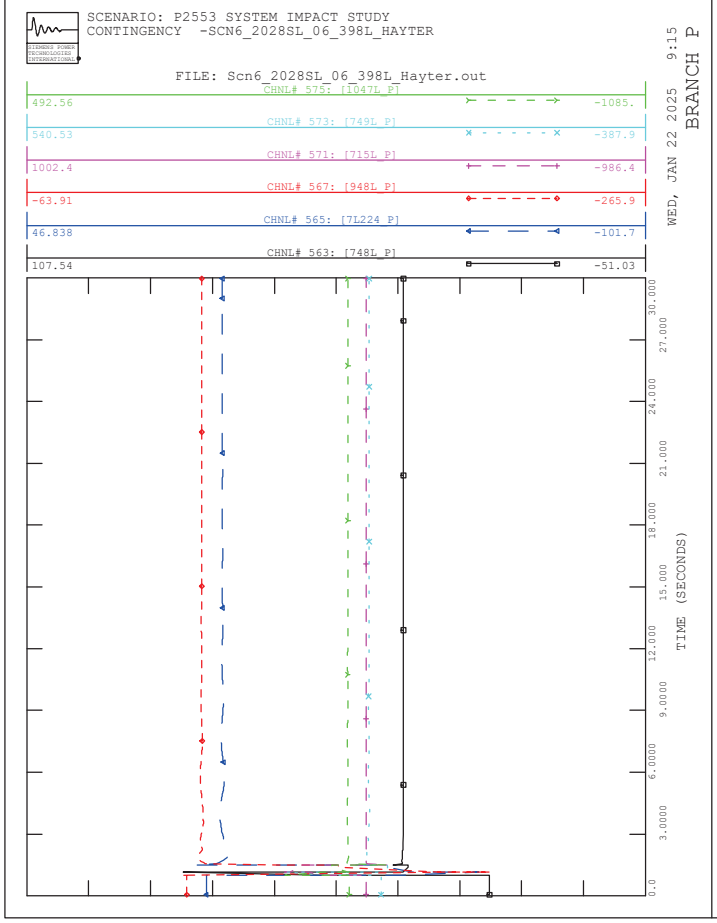
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492.56
-1085.
CHNL# 573: [749L_P]
540.53
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CHNL# 571: [715L_P]
1002.4
-986.4
CHNL# 567: [948L_P]
-63.91
-265.9
CHNL# 565: [7L224_P]
46.838
-101.7
CHNL# 563: [748L_P]
107.54
-51.03
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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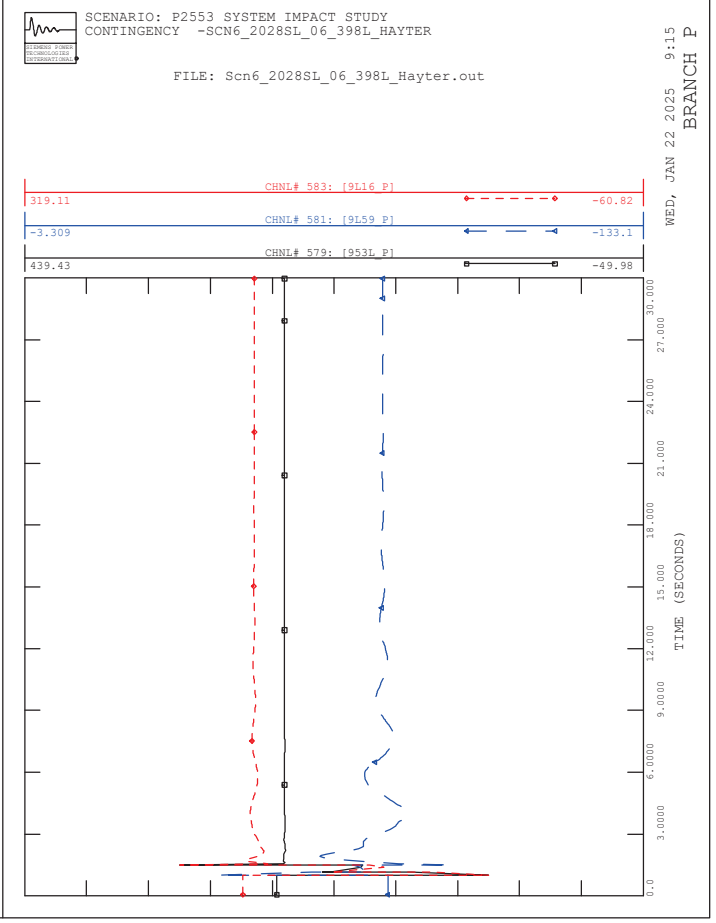
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CONTINGENCY -SCN6_2028SL_06_398L_HAYTER
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319.11
-60.82
CHNL# 581: [9L59_P]
-3.309
-133.1
CHNL# 579: [953L_P]
439.43
-49.98
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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21.000
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30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_07_398L_PROVOST

FILE: Scn6_2028SL_07_398L_Provost.out

CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.3554 0.50720

CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.3684 0.50720

CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.9351 1.0099

CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.9634 1.0094

CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.7432 0.44700

CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.93280 -0.1390

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

WED, JAN 22 2025 9:15
ACTIVE POWER

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_07_398L_PROVOST

FILE: Scn6_2028SL_07_398L_Provost.out

CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.4012 0.57810

CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.4012 0.57810

CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1496 0.84980

CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1458 0.85280

CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1673 0.82970

CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1570 0.83230

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TIME (SECONDS)

WED, JAN 22 2025 9:15
TERMINAL VOLTAGE

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_07_398L_PROVOST

FILE: Scn6_2028SL_07_398L_Provost.out

CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
49.791 -57.67

CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
45.561 -61.56

CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
43.887 -64.51

CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
37.350 -71.91

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TIME (SECONDS)

WED, JAN 22 2025 9:15
ROTOR ANGLE

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_07_398L_PROVOST

FILE: Scn6_2028SL_07_398L_Provost.out

CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
0.97880 -0.4318

CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
0.98070 -0.4318

CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
1.7601 -1.136

CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
1.8407 -1.255

CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
2.4066 -1.676

CHNL# 277: [VARS 1496[BAT #4 16.000]4]
1.1994 -0.8920

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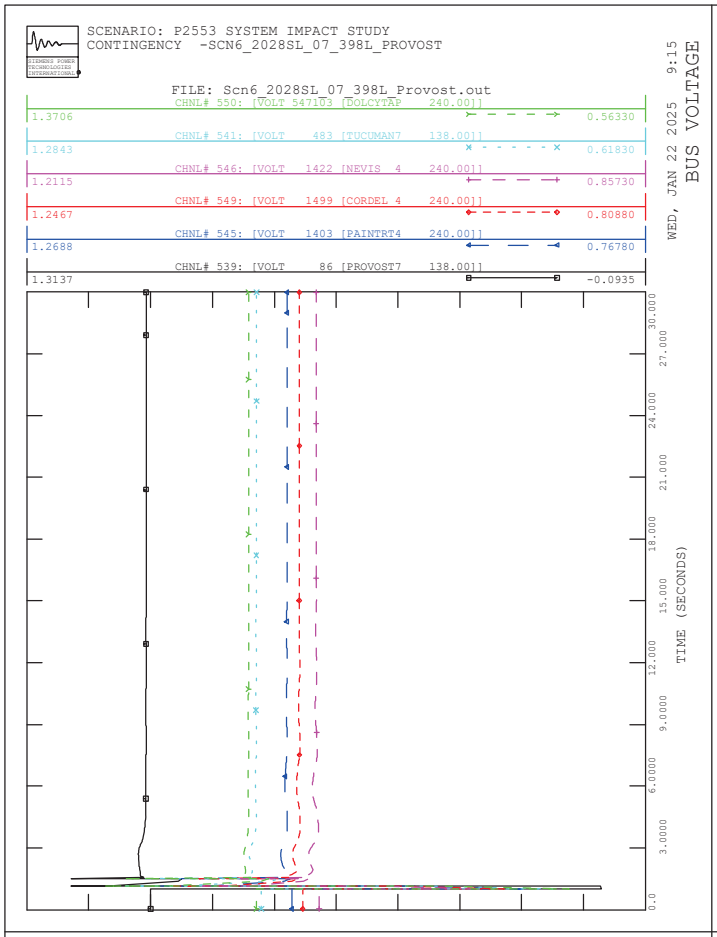
TIME (SECONDS)

WED, JAN 22 2025 9:15
REACTIVE POWER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0.56330
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.2843
0.61830
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.2115
0.85730
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2467
0.80880
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.2688
0.76780
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.3137
-0.0935
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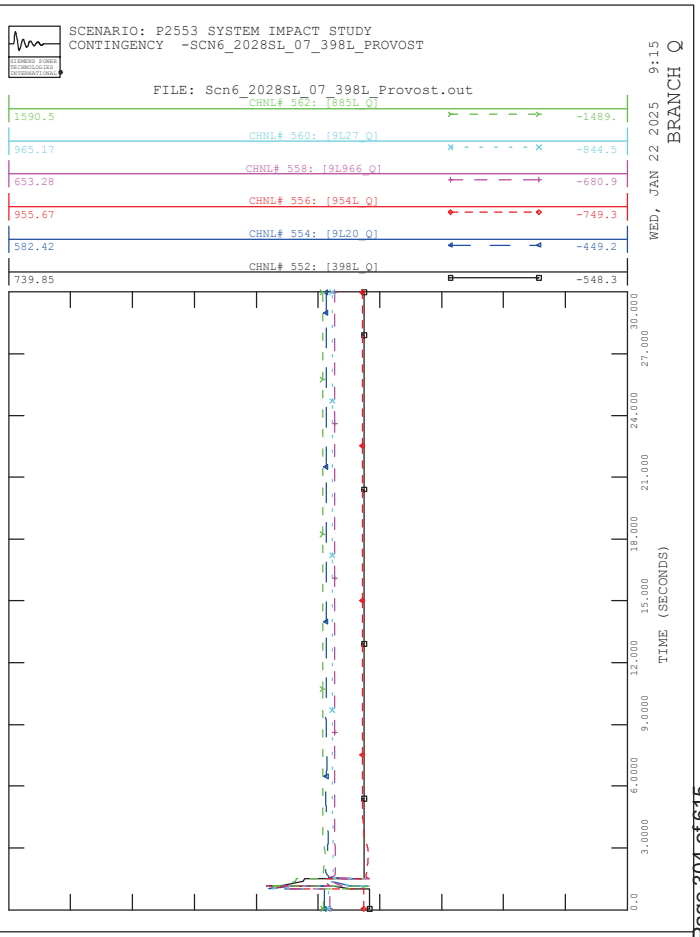
WED, JAN 22 2025 9:15
BUS VOLTAGE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CHNL# 560: [9L27 Q]
965.17
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CHNL# 558: [9L966 Q]
653.28
-680.9
CHNL# 556: [954L Q]
955.67
-749.3
CHNL# 554: [9L20 Q]
582.42
-449.2
CHNL# 552: [398L Q]
739.85
-548.3
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3.0000
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TIME (SECONDS)
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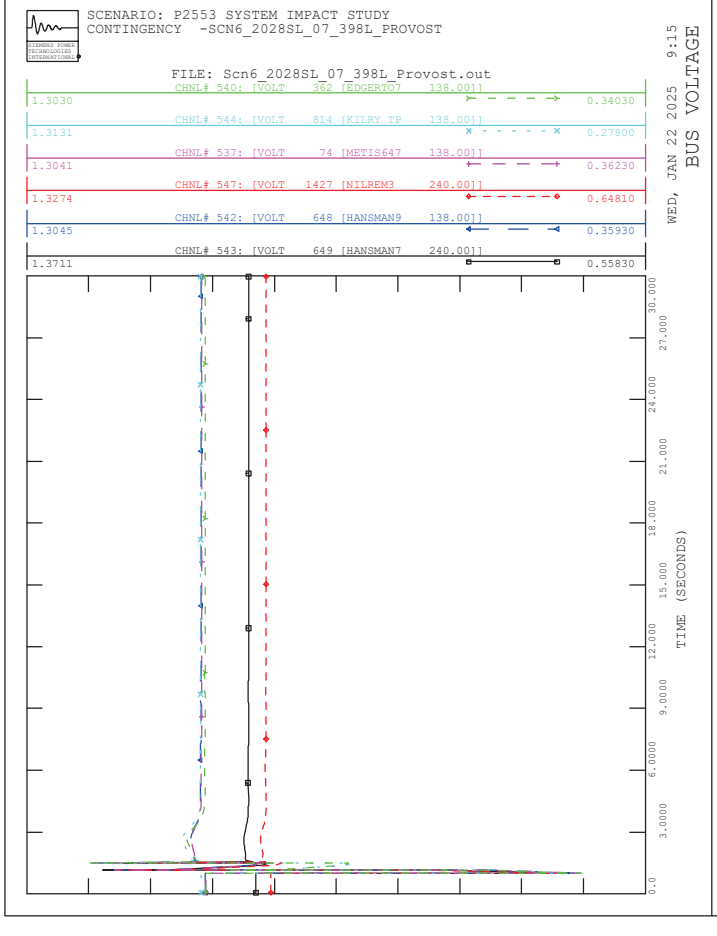
BRANCH Q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CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.3030
0.34030
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.3131
0.27800
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.3041
0.36230
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.3274
0.64810
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.3045
0.35930
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.3711
0.55830
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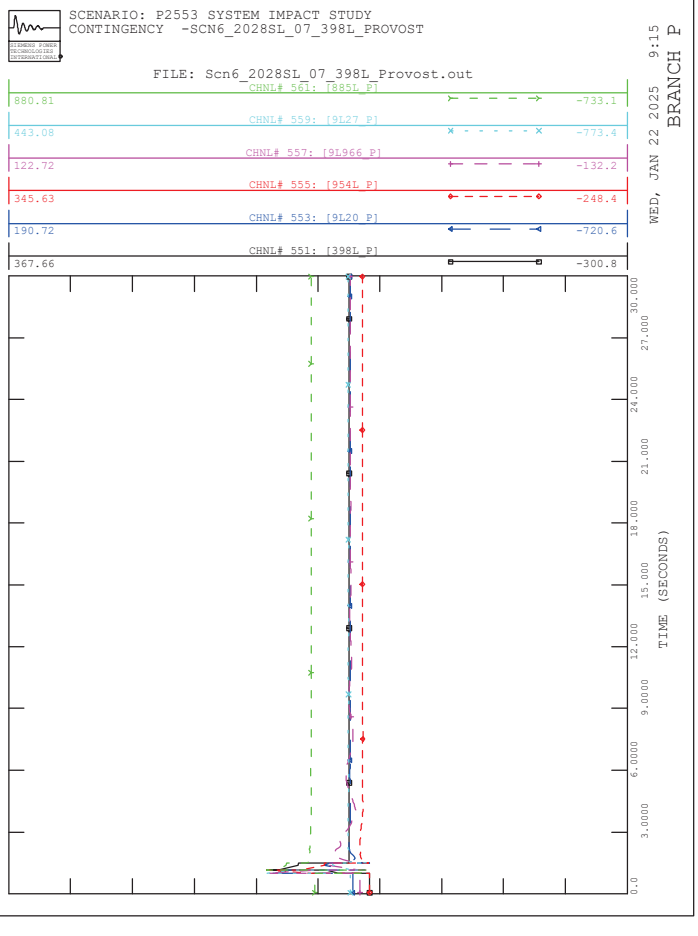
TIME (SECONDS)
WED, JAN 22 2025 9:15
BUS VOLTAGE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FILE: Scn6_2028SL_07_398L_Provost.out
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880.81
-733.1
CHNL# 559: [9L27 P]
443.08
-773.4
CHNL# 557: [9L966 P]
122.72
-132.2
CHNL# 555: [954L P]
345.63
-248.4
CHNL# 553: [9L20 P]
190.72
-720.6
CHNL# 551: [398L P]
367.66
-300.8
0.0
3.0000
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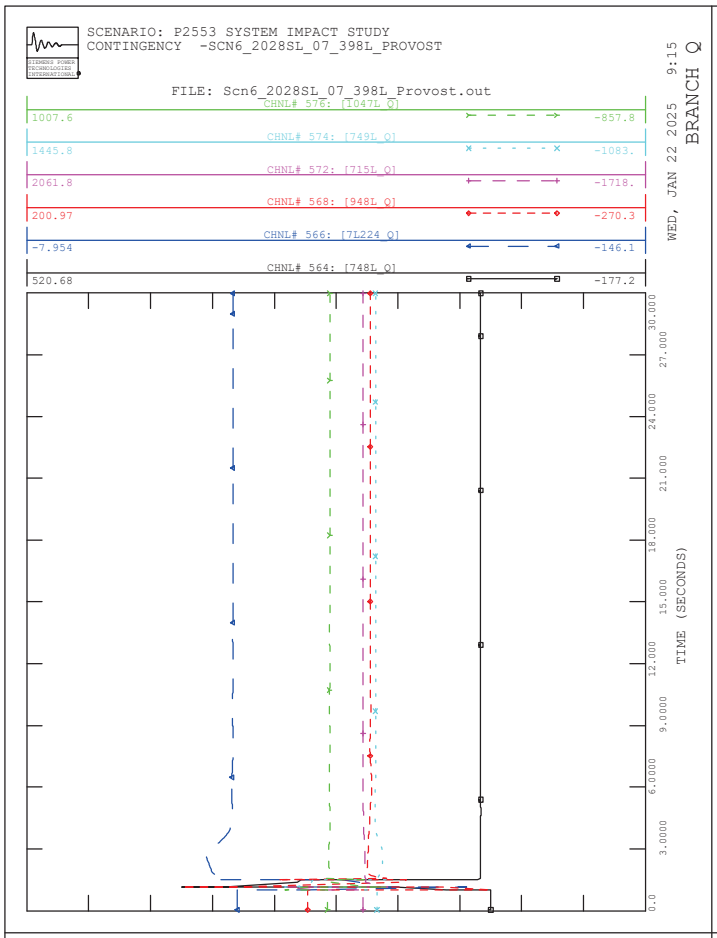
TIME (SECONDS)
WED, JAN 22 2025 9:15
BRANCH P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CHNL# 574: [749L Q]
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CHNL# 572: [715L Q]
2061.8
-1718.
CHNL# 568: [948L Q]
200.97
-270.3
CHNL# 566: [7L224 Q]
-7.954
-146.1
CHNL# 564: [748L Q]
520.68
-177.2
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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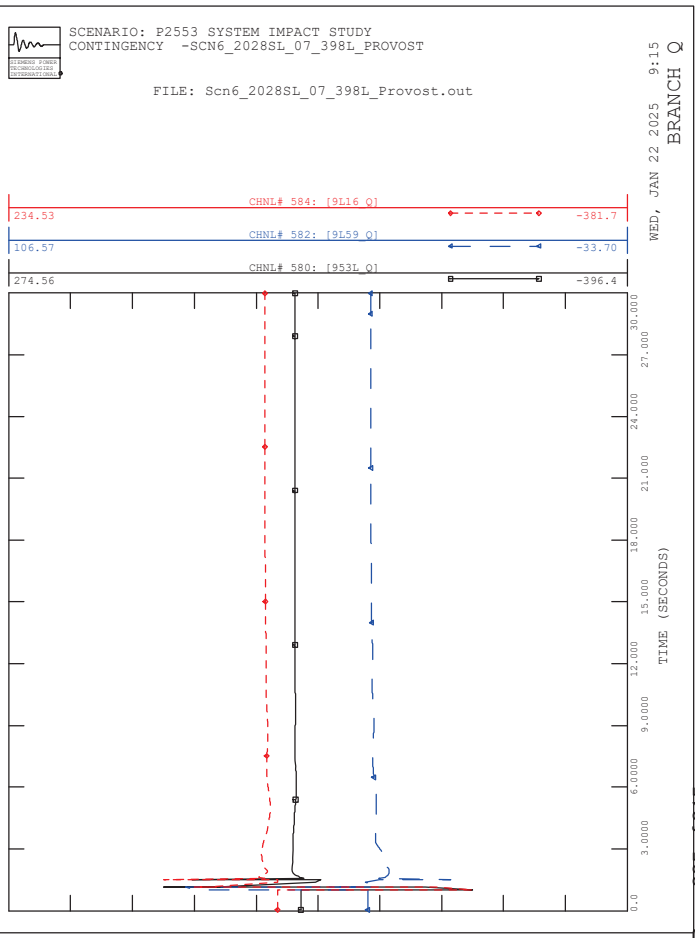
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CONTINGENCY -SCN6_2028SL_07_398L_PROVOST
FILE: Scn6_2028SL_07_398L_Provost.out
CHNL# 584: [9L16 Q]
234.53
-381.7
CHNL# 582: [9L59 Q]
106.57
-33.70
CHNL# 580: [953L Q]
274.56
-396.4
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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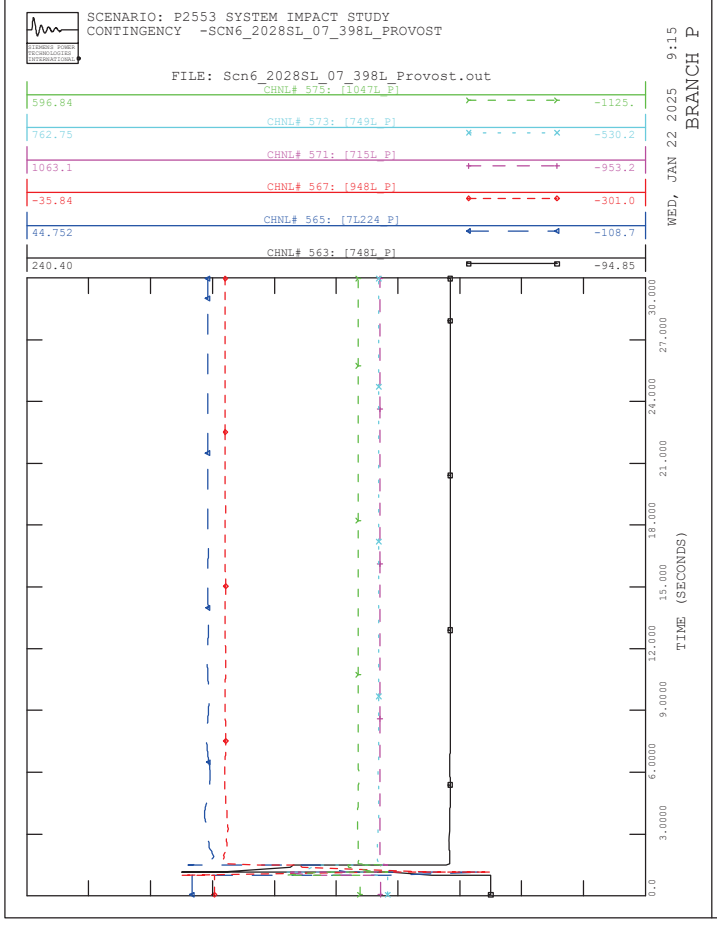
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596.84
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762.75
-530.2
CHNL# 571: [715L P]
1063.1
-953.2
CHNL# 567: [948L P]
-35.84
-301.0
CHNL# 565: [7L224 P]
44.752
-108.7
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240.40
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WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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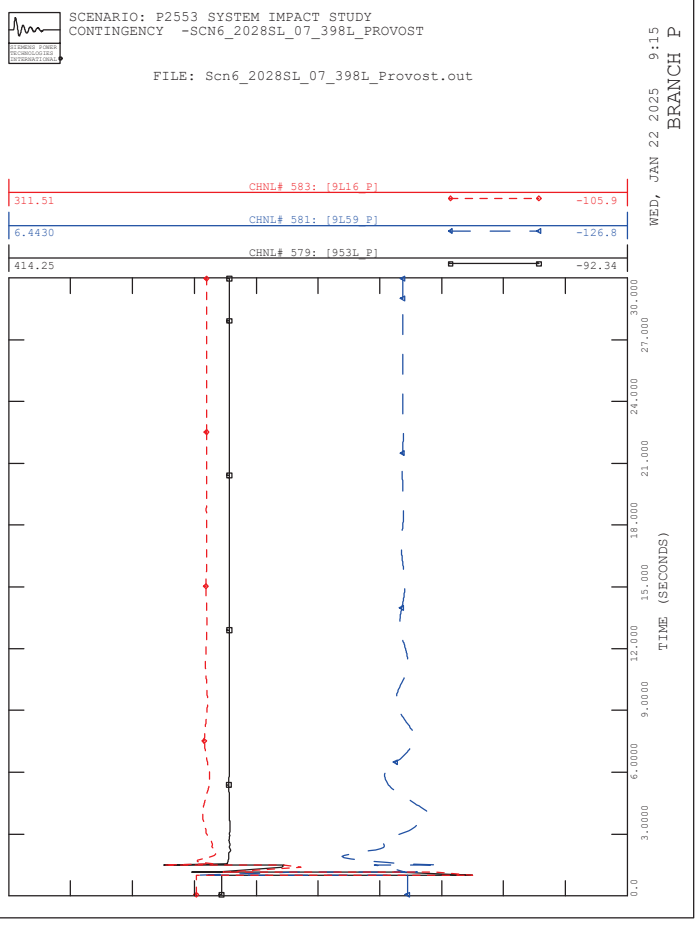
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CONTINGENCY -SCN6_2028SL_07_398L_PROVOST
FILE: Scn6_2028SL_07_398L_Provost.out
CHNL# 583: [9L16 P]
311.51
-105.9
CHNL# 581: [9L59 P]
6.4430
-126.8
CHNL# 579: [953L P]
414.25
-92.34
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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3.0000
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27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_08_954L_METISKOW

FILE: Scn6_2028SL_08_954L_Metiskow.out

WED, JAN 22 2025 9:15

ACTIVE POWER

CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1] 1.8269 -0.1987
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2] 1.8403 -0.1987
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2] 2.2594 0.88980
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1] 2.1019 0.84920
CHNL# 191: [POWR 1497[BAT #5 21.000]G5] 1.7787 0.37740
CHNL# 190: [POWR 1496[BAT #4 16.000]4] 1.0326 0.00620

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_08_954L_METISKOW

FILE: Scn6_2028SL_08_954L_Metiskow.out

WED, JAN 22 2025 9:15

TERMINAL VOLTAGE

CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1] 1.6632 -0.0713
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2] 1.6639 -0.0713
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2] 1.1996 0.73860
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1] 1.1886 0.74850
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5] 1.1969 0.68830
CHNL# 451: [ETRM 1496[BAT #4 16.000]4] 1.1470 0.71980

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TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_08_954L_METISKOW

FILE: Scn6_2028SL_08_954L_Metiskow.out

WED, JAN 22 2025 9:15

ROTOR ANGLE

CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2] 50.035 -58.57
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1] 45.707 -62.14
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5] 43.228 -64.70
CHNL# 16: [ANGL 1496[BAT #4 16.000]4] 37.123 -70.14

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TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_08_954L_METISKOW

FILE: Scn6_2028SL_08_954L_Metiskow.out

WED, JAN 22 2025 9:15

REACTIVE POWER

CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1] 3.0363 -1.008
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2] 3.0520 -1.013
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2] 3.4967 -1.617
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1] 3.8272 -2.085
CHNL# 278: [VARS 1497[BAT #5 21.000]G5] 4.8423 -3.407
CHNL# 277: [VARS 1496[BAT #4 16.000]4] 2.7831 -2.254

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_08_954L_METISKOW

FILE: Scn6_2028SL_08_954L_Metiskow.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.4903 -0.0835

CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.3465 0.21070

CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.2570 0.69600

CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.3073 0.56970

CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.3411 0.45900

CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.3418 -0.0099

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_08_954L_METISKOW

FILE: Scn6_2028SL_08_954L_Metiskow.out

WED, JAN 22 2025 9:15

BRANCH Q

CHNL# 562: [885L Q]
1466.7 -1189.

CHNL# 560: [9L27 Q]
2091.6 -1813.

CHNL# 558: [9L966 Q]
1160.0 -979.4

CHNL# 556: [954L Q]
574.18 -803.9

CHNL# 554: [9L20 Q]
1065.8 -878.9

CHNL# 552: [398L Q]
405.63 -557.5

TIME (SECONDS)

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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_08_954L_METISKOW

FILE: Scn6_2028SL_08_954L_Metiskow.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.2388 0.07370

CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.2346 0.00330

CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.3414 -0.0141

CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.3952 0.19720

CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.3448 -0.0144

CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.4870 -0.0952

TIME (SECONDS)

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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_08_954L_METISKOW

FILE: Scn6_2028SL_08_954L_Metiskow.out

WED, JAN 22 2025 9:15

BRANCH P

CHNL# 561: [885L P]
481.89 -340.5

CHNL# 559: [9L27 P]
819.75 -979.5

CHNL# 557: [9L966 P]
486.76 -387.3

CHNL# 555: [954L P]
40.000 -49.14

CHNL# 553: [9L20 P]
575.83 -981.0

CHNL# 551: [398L P]
118.56 -167.6

TIME (SECONDS)

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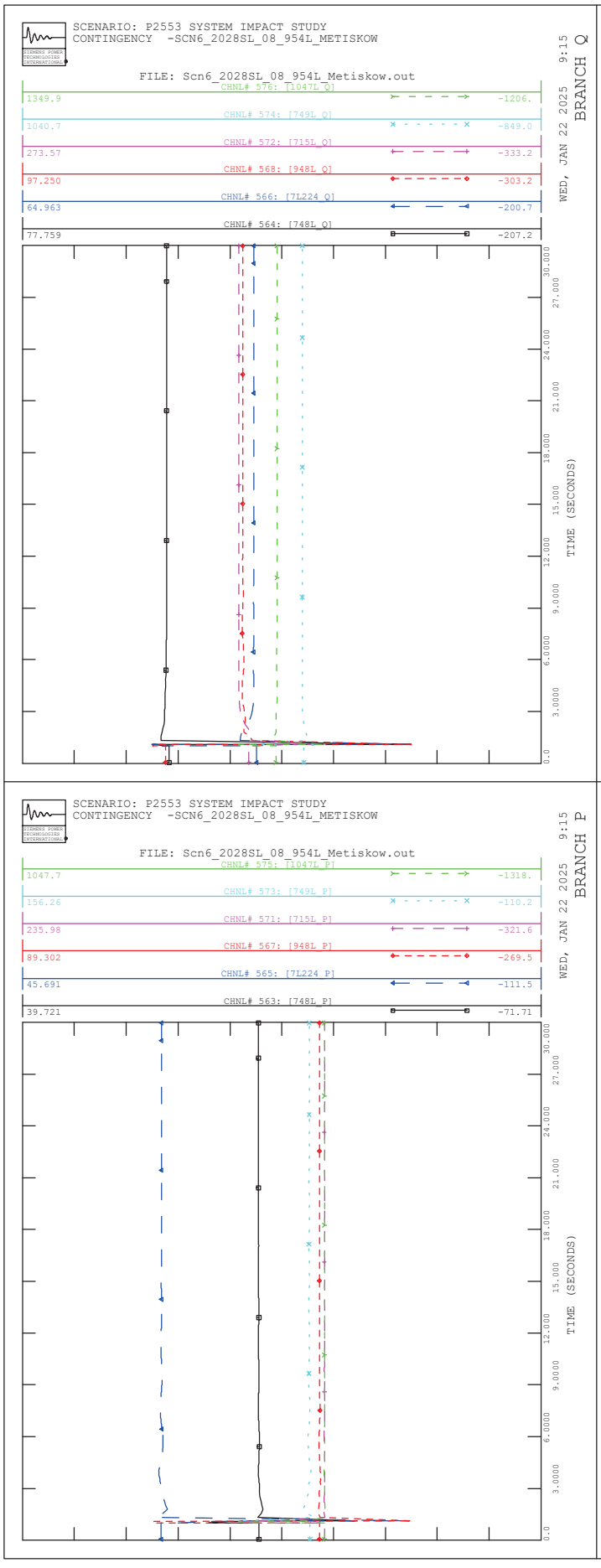
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1349.9
-1206.
CHNL# 574: [749L Q]
1040.7
-849.0
CHNL# 572: [715L Q]
273.57
-333.2
CHNL# 568: [948L Q]
97.250
-303.2
CHNL# 566: [7L224 Q]
64.963
-200.7
CHNL# 564: [748L Q]
77.759
-207.2
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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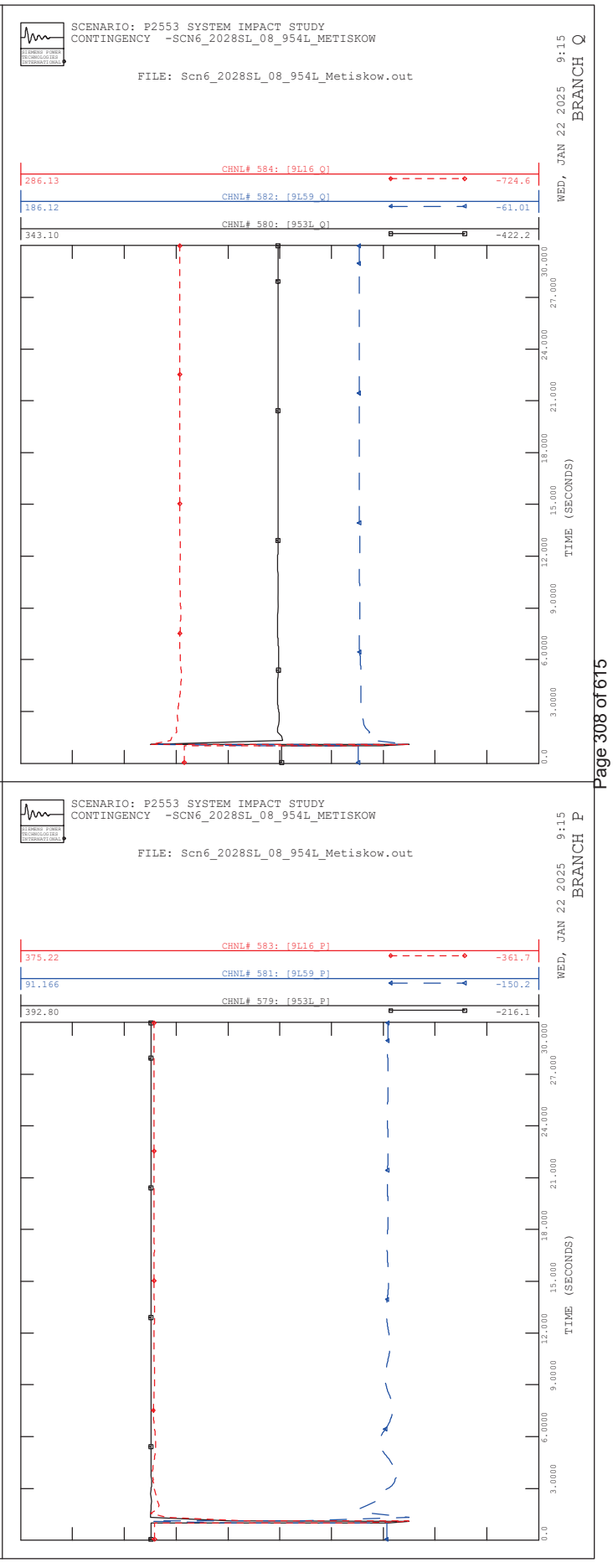
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_08_954L_METISKOW
FILE: Scn6_2028SL_08_954L_Metiskow.out
CHNL# 584: [9L16 Q]
286.13
-724.6
CHNL# 582: [9L59 Q]
186.12
-61.01
CHNL# 580: [953L Q]
343.10
-422.2
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_08_954L_METISKOW
FILE: Scn6_2028SL_08_954L_Metiskow.out
CHNL# 575: [1047L P]
1047.7
-1318.
CHNL# 573: [749L P]
156.26
-110.2
CHNL# 571: [715L P]
235.98
-321.6
CHNL# 567: [948L P]
89.302
-269.5
CHNL# 565: [7L224 P]
45.691
-111.5
CHNL# 563: [748L P]
39.721
-71.71
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_08_954L_METISKOW
FILE: Scn6_2028SL_08_954L_Metiskow.out
CHNL# 583: [9L16 P]
375.22
-361.7
CHNL# 581: [9L59 P]
91.166
-150.2
CHNL# 579: [953L P]
392.80
-216.1
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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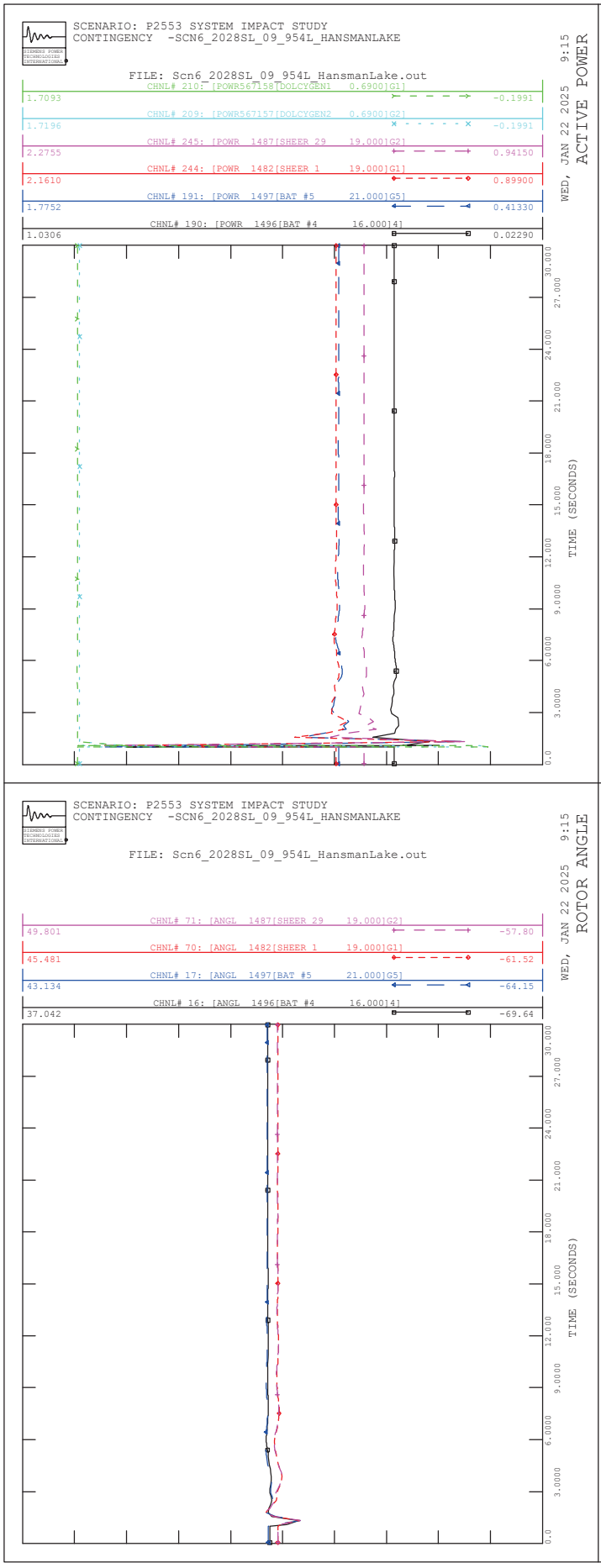
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_09_954L_HANSMANLAKE
FILE: Scn6_2028SL_09_954L_HansmanLake.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
1.7093
-0.1991
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
1.7196
-0.1991
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
2.2755
0.94150
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
2.1610
0.89900
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.7752
0.41330
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
1.0306
0.02290
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
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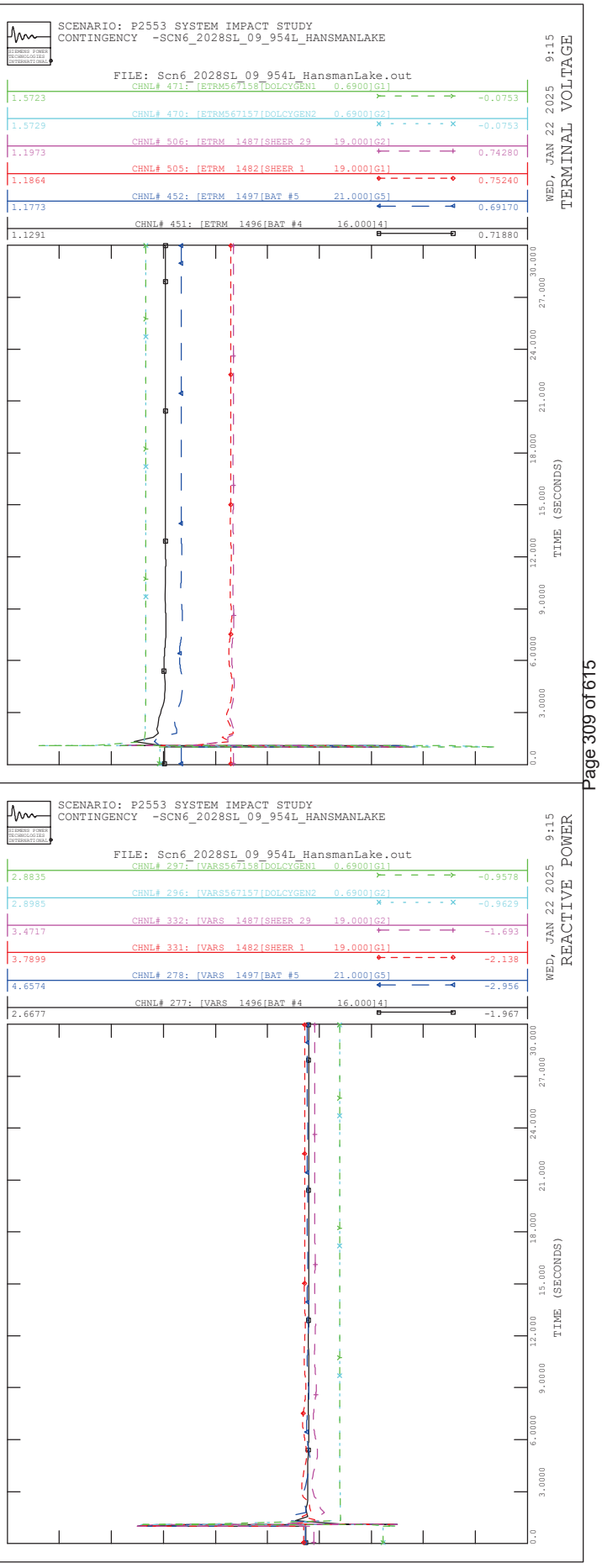
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_09_954L_HANSMANLAKE
FILE: Scn6_2028SL_09_954L_HansmanLake.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.5723
-0.0753
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.5729
-0.0753
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1973
0.74280
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1864
0.75240
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1773
0.69170
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1291
0.71880
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_09_954L_HANSMANLAKE
FILE: Scn6_2028SL_09_954L_HansmanLake.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
49.801
-57.80
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
45.481
-61.52
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
43.134
-64.15
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
37.042
-69.64
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_09_954L_HANSMANLAKE
FILE: Scn6_2028SL_09_954L_HansmanLake.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
2.8835
-0.9578
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
2.8985
-0.9629
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
3.4717
-1.693
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
3.7899
-2.138
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
4.6574
-2.956
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
2.6677
-1.967
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_09_954L_HANSMANLAKE

FILE: Scn6_2028SL_09_954L_HansmanLake.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]] 1.4009 -0.0845
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]] 1.2664 0.21340
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]] 1.2370 0.70070
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]] 1.2754 0.57530
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]] 1.2988 0.46340
CHNL# 539: [VOLT 86 [PROVOST7 138.00]] 1.2106 -0.0040

TIME (SECONDS) 0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_09_954L_HANSMANLAKE

FILE: Scn6_2028SL_09_954L_HansmanLake.out

WED, JAN 22 2025 9:15

BRANCH Q

CHNL# 562: [885L Q] 3226.6 -2313.
CHNL# 560: [9L27 Q] 1883.8 -1541.
CHNL# 558: [9L966 Q] 1010.8 -859.9
CHNL# 556: [954L Q] 58.170 -81.44
CHNL# 554: [9L20 Q] 986.38 -764.8
CHNL# 552: [398L Q] 268.38 -367.6

TIME (SECONDS) 0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_09_954L_HANSMANLAKE

FILE: Scn6_2028SL_09_954L_HansmanLake.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]] 1.1557 0.07840
CHNL# 544: [VOLT 814 [KILRY TP 138.00]] 1.1540 0.00820
CHNL# 537: [VOLT 74 [METIS647 138.00]] 1.1934 -0.0105
CHNL# 547: [VOLT 1427 [NILREM3 240.00]] 1.3531 0.19950
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]] 1.1950 -0.0109
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]] 1.3968 -0.0999

TIME (SECONDS) 0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_09_954L_HANSMANLAKE

FILE: Scn6_2028SL_09_954L_HansmanLake.out

WED, JAN 22 2025 9:15

BRANCH P

CHNL# 561: [885L P] 317.97 -222.7
CHNL# 559: [9L27 P] 816.01 -976.5
CHNL# 557: [9L966 P] 516.44 -408.0
CHNL# 555: [954L P] 40.000 -40.92
CHNL# 553: [9L20 P] 542.58 -940.3
CHNL# 551: [398L P] 95.552 -136.0

TIME (SECONDS) 0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_09_954L_HANSMANLAKE

FILE: Scn6_2028SL_09_954L_HansmanLake.out

WED, JAN 22 2025 9:15

BRANCH Q

CHNL# 576: [1047L Q]
1648.5 -1686.

CHNL# 574: [749L Q]
780.05 -835.8

CHNL# 572: [715L Q]
499.09 -649.6

CHNL# 568: [948L Q]
125.06 -375.4

CHNL# 566: [7L224 Q]
117.12 -378.3

CHNL# 564: [748L Q]
61.277 -138.5

TIME (SECONDS)

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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_09_954L_HANSMANLAKE

FILE: Scn6_2028SL_09_954L_HansmanLake.out

WED, JAN 22 2025 9:15

BRANCH Q

CHNL# 584: [9L16 Q]
230.35 -704.5

CHNL# 582: [9L59 Q]
180.23 -52.30

CHNL# 580: [953L Q]
300.45 -398.6

TIME (SECONDS)

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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_09_954L_HANSMANLAKE

FILE: Scn6_2028SL_09_954L_HansmanLake.out

WED, JAN 22 2025 9:15

BRANCH P

CHNL# 575: [1047L P]
1035.6 -1309.

CHNL# 573: [749L P]
58.962 -46.29

CHNL# 571: [715L P]
239.10 -324.0

CHNL# 567: [948L P]
78.131 -233.4

CHNL# 565: [7L224 P]
47.187 -119.5

CHNL# 563: [748L P]
39.572 -68.45

TIME (SECONDS)

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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_09_954L_HANSMANLAKE

FILE: Scn6_2028SL_09_954L_HansmanLake.out

WED, JAN 22 2025 9:15

BRANCH P

CHNL# 583: [9L16 P]
375.31 -363.5

CHNL# 581: [9L59 P]
87.751 -146.4

CHNL# 579: [953L P]
394.15 -217.6

TIME (SECONDS)

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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_10_885L_METISKOW

FILE: Scn6_2028SL_10_885L_Metiskow.out

CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.6472 -0.0186
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.6623 -0.0186
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.9706 0.61810
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.9708 0.60110
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.7629 -0.1879
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
1.0077 -0.4142

WED, JAN 22 2025 9:15
ACTIVE POWER

TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_10_885L_METISKOW

FILE: Scn6_2028SL_10_885L_Metiskow.out

CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.6081 0.24340
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.6083 0.24340
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1963 0.78510
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1893 0.79210
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.2687 0.74870
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.2562 0.76410

WED, JAN 22 2025 9:15
TERMINAL VOLTAGE

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_10_885L_METISKOW

FILE: Scn6_2028SL_10_885L_Metiskow.out

CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
53.535 -64.65
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
49.253 -67.79
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
44.268 -73.45
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
37.383 -79.99

WED, JAN 22 2025 9:15
ROTOR ANGLE

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_10_885L_METISKOW

FILE: Scn6_2028SL_10_885L_Metiskow.out

CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.0736 -0.4655
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.0760 -0.4655
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
2.9211 -1.689
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
3.1275 -1.954
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
3.5875 -1.722
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
1.9925 -1.093

WED, JAN 22 2025 9:15
REACTIVE POWER

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_10_885L_METISKOW

FILE: Scn6_2028SL_10_885L_Metiskow.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.5501 0.22990

CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.4188 0.35040

CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.2774 0.76390

CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.3413 0.67120

CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.3780 0.59610

CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.5755 -0.0832

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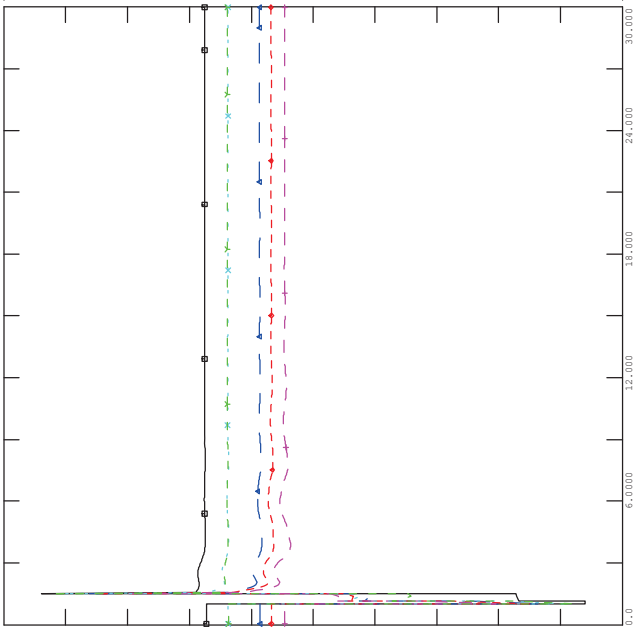
TIME (SECONDS)



SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_10_885L_METISKOW

FILE: Scn6_2028SL_10_885L_Metiskow.out

WED, JAN 22 2025 9:15

BRANCH Q

CHNL# 562: [885L Q]
5000.0 -5000.

CHNL# 560: [9L27 Q]
1598.3 -1463.

CHNL# 558: [9L966 Q]
828.11 -831.6

CHNL# 556: [954L Q]
1109.3 -832.4

CHNL# 554: [9L20 Q]
1020.9 -906.5

CHNL# 552: [398L Q]
589.18 -626.3

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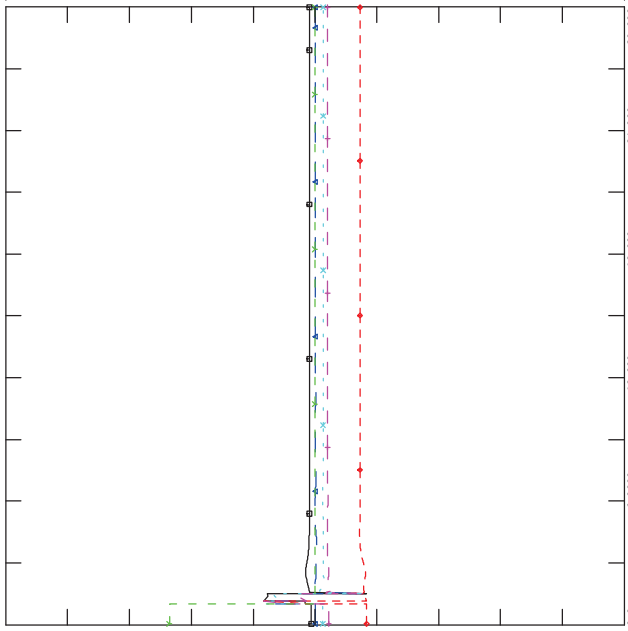
TIME (SECONDS)



SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_10_885L_METISKOW

FILE: Scn6_2028SL_10_885L_Metiskow.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.4582 0.03320

CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.4750 -0.0525

CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.4644 -0.0999

CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.4618 0.38340

CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.5595 -0.0916

CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.5511 0.22180

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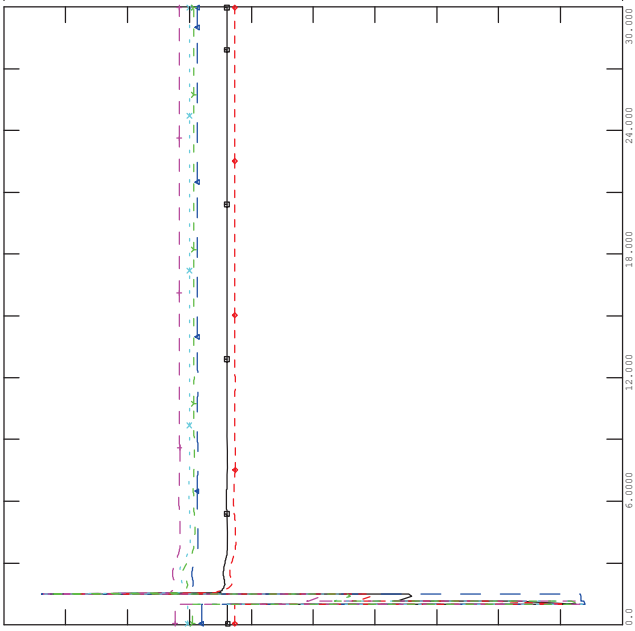
TIME (SECONDS)



SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_10_885L_METISKOW

FILE: Scn6_2028SL_10_885L_Metiskow.out

WED, JAN 22 2025 9:15

BRANCH P

CHNL# 561: [885L P]
5000.0 -5000.

CHNL# 559: [9L27 P]
757.01 -1074.

CHNL# 557: [9L966 P]
153.65 -147.7

CHNL# 555: [954L P]
268.63 -193.4

CHNL# 553: [9L20 P]
473.17 -954.4

CHNL# 551: [398L P]
278.31 -299.1

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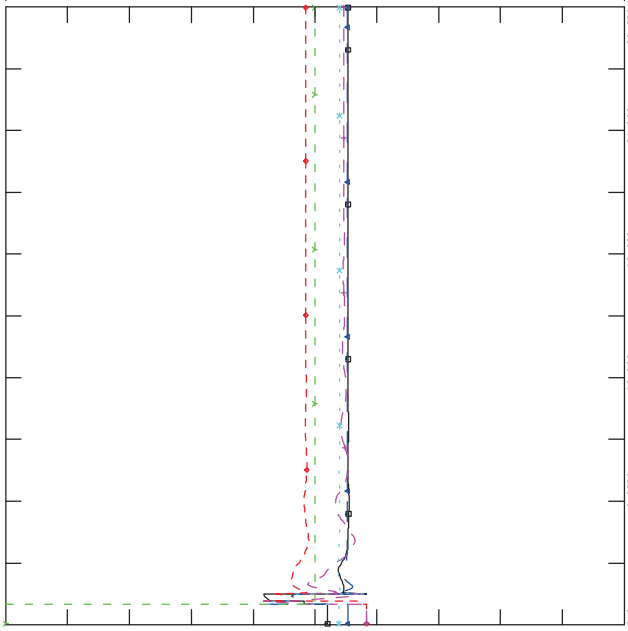
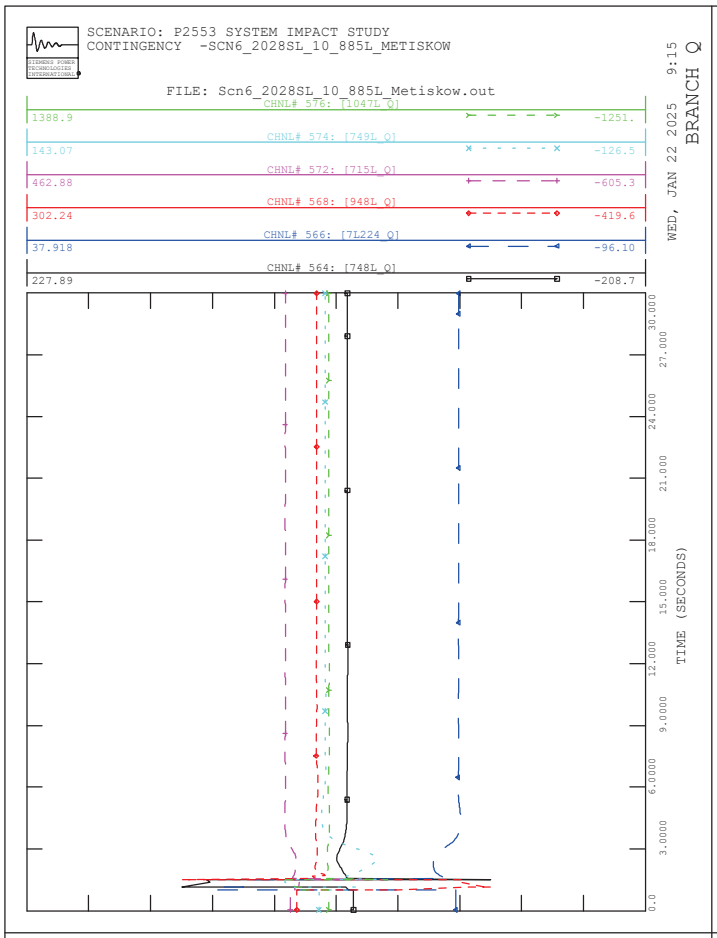
TIME (SECONDS)




SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_10_885L_METISKOW
FILE: Scn6_2028SL_10_885L_Metiskow.out
CHNL# 576: [1047L Q]
1388.9
-1251.
CHNL# 574: [749L Q]
143.07
-126.5
CHNL# 572: [715L Q]
462.88
-605.3
CHNL# 568: [948L Q]
302.24
-419.6
CHNL# 566: [7L224 Q]
37.918
-96.10
CHNL# 564: [748L Q]
227.89
-208.7
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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27.000
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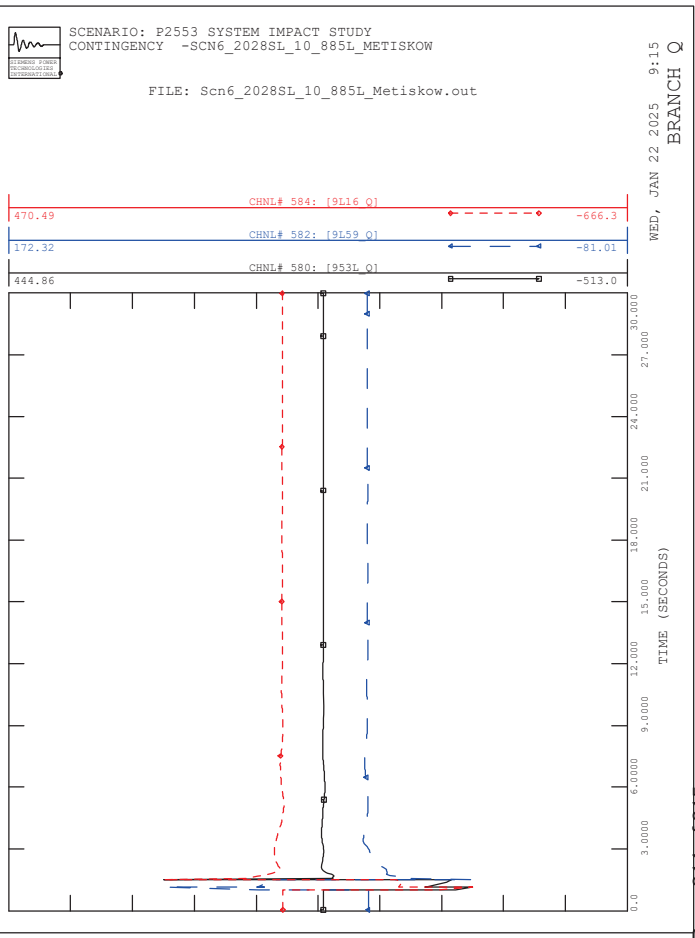
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_10_885L_METISKOW
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CHNL# 584: [9L16 Q]
470.49
-666.3
CHNL# 582: [9L59 Q]
172.32
-81.01
CHNL# 580: [953L Q]
444.86
-513.0
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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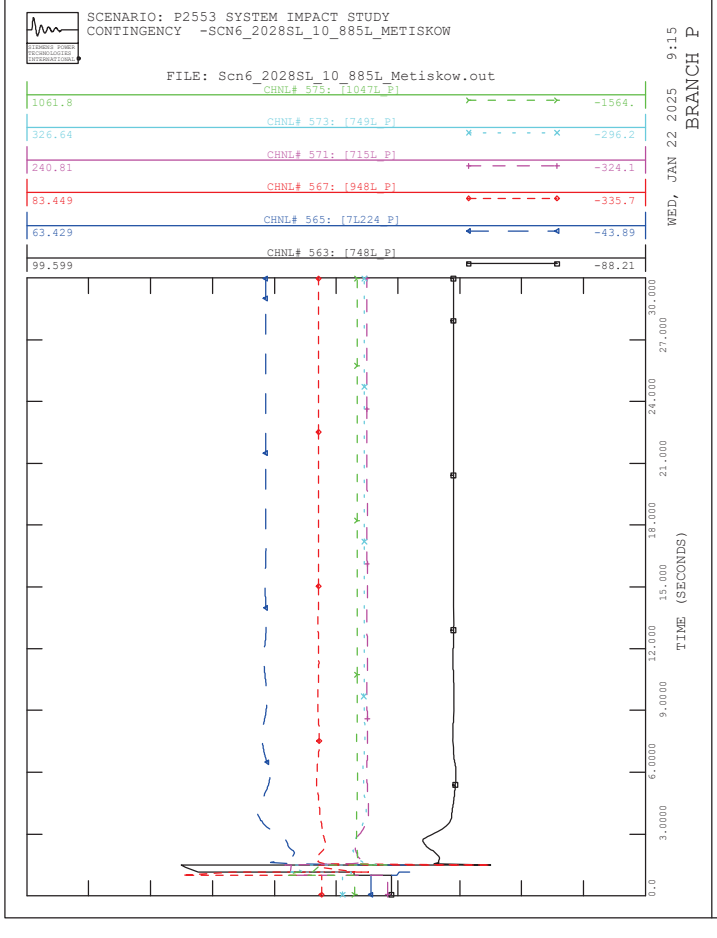
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_10_885L_METISKOW
FILE: Scn6_2028SL_10_885L_Metiskow.out
CHNL# 575: [1047L P]
1061.8
-1564.
CHNL# 573: [749L P]
326.64
-296.2
CHNL# 571: [715L P]
240.81
-324.1
CHNL# 567: [948L P]
83.449
-335.7
CHNL# 565: [7L224 P]
63.429
-43.89
CHNL# 563: [748L P]
99.599
-88.21
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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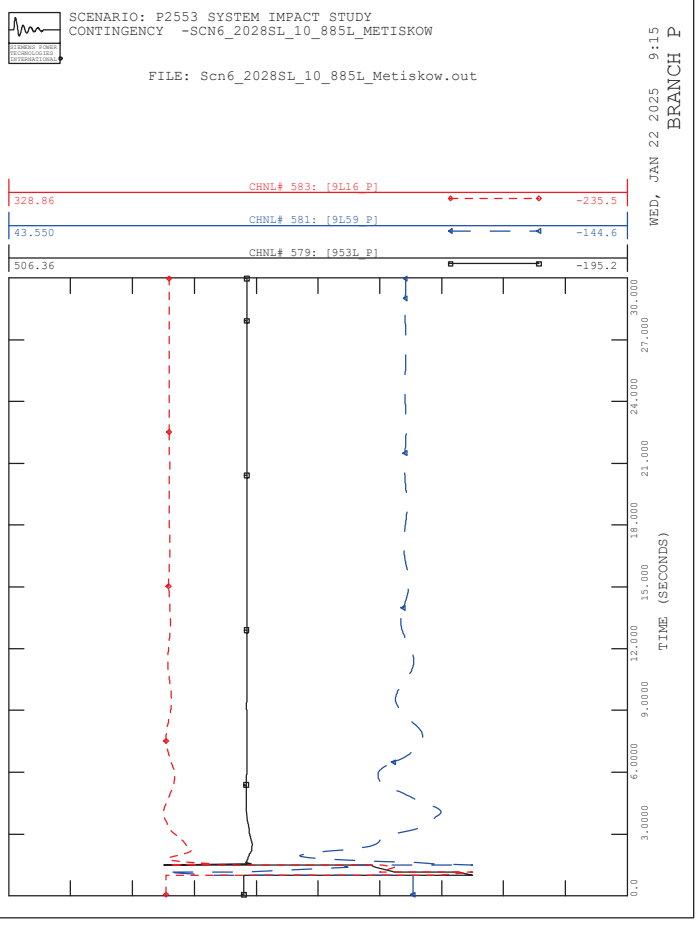
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_10_885L_METISKOW
FILE: Scn6_2028SL_10_885L_Metiskow.out
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328.86
-235.5
CHNL# 581: [9L59 P]
43.550
-144.6
CHNL# 579: [953L P]
506.36
-195.2
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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18.000
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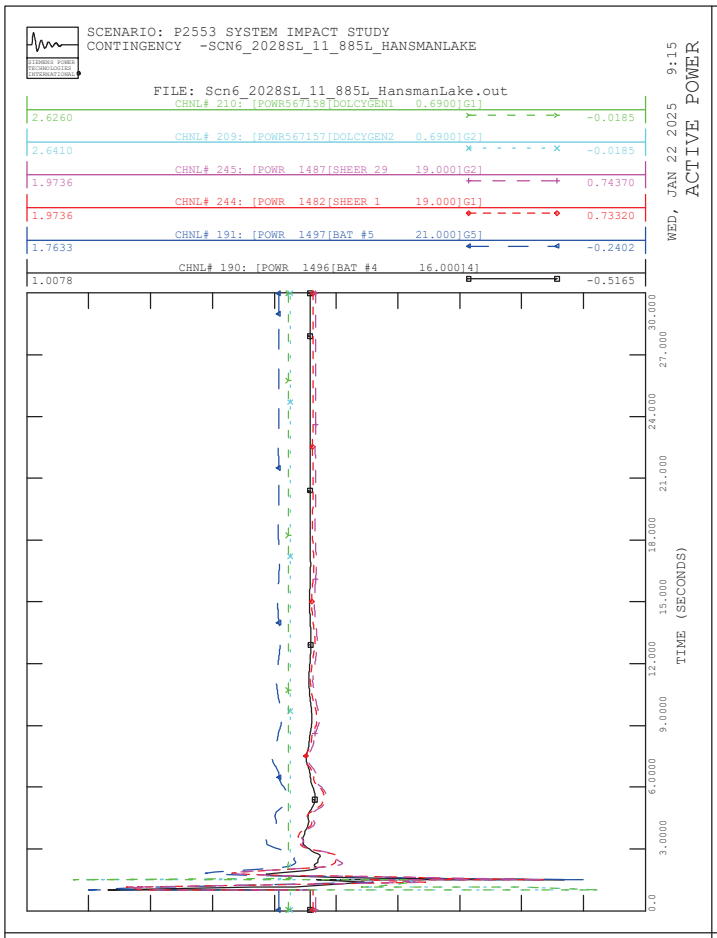
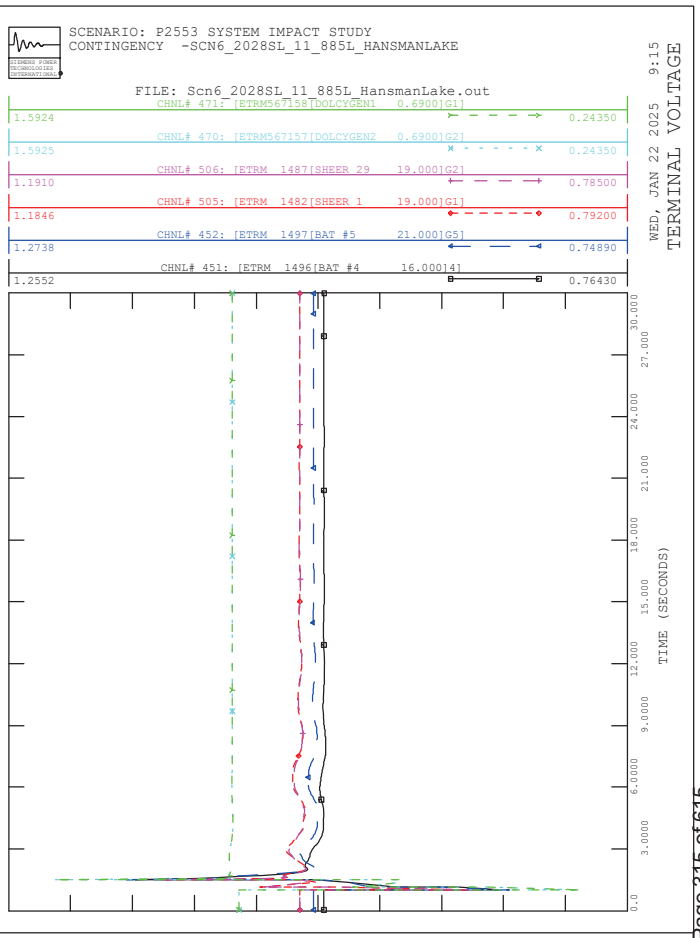
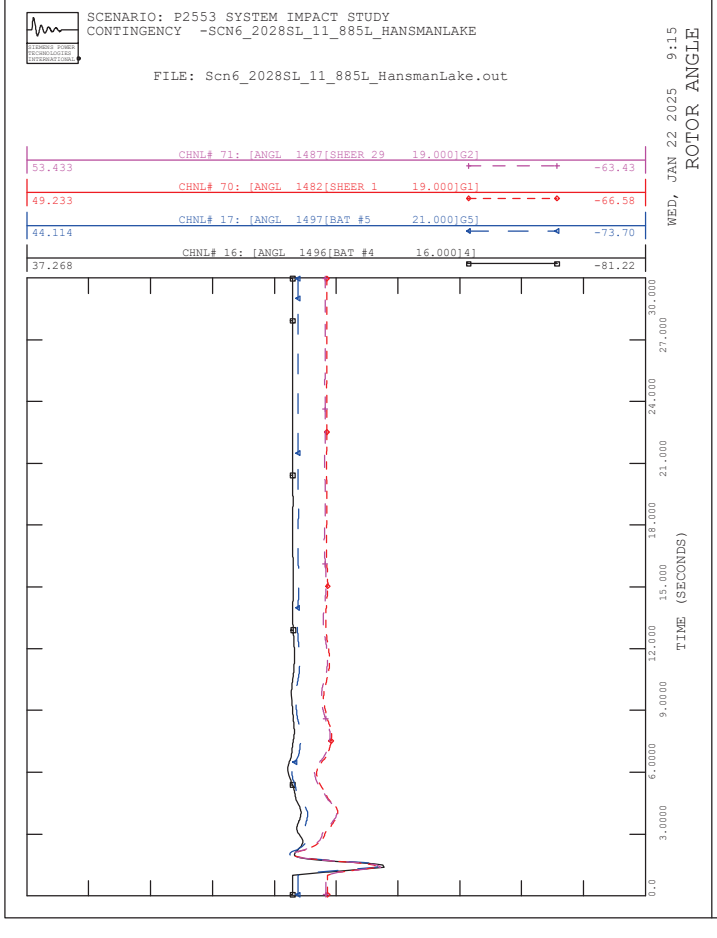

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_11_885L_HANSMANLAKE
FILE: Scn6_2028SL_11_885L_HansmanLake.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.6260
-0.0185
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.6410
-0.0185
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.9736
0.74370
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.9736
0.73320
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.7633
-0.2402
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
1.0078
-0.5165
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000
TIME (SECONDS)
WED, JAN 22 2025 9:15
ACTIVE POWER


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_11_885L_HANSMANLAKE
FILE: Scn6_2028SL_11_885L_HansmanLake.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.5924
0.24350
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.5925
0.24350
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1910
0.78500
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1846
0.79200
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.2738
0.74890
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.2552
0.76430
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000
TIME (SECONDS)
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_11_885L_HANSMANLAKE
FILE: Scn6_2028SL_11_885L_HansmanLake.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
53.433
-63.43
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
49.233
-66.58
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
44.114
-73.70
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
37.268
-81.22
0.0
3.0000
6.0000
9.0000
12.000
15.000
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21.000
24.000
27.000
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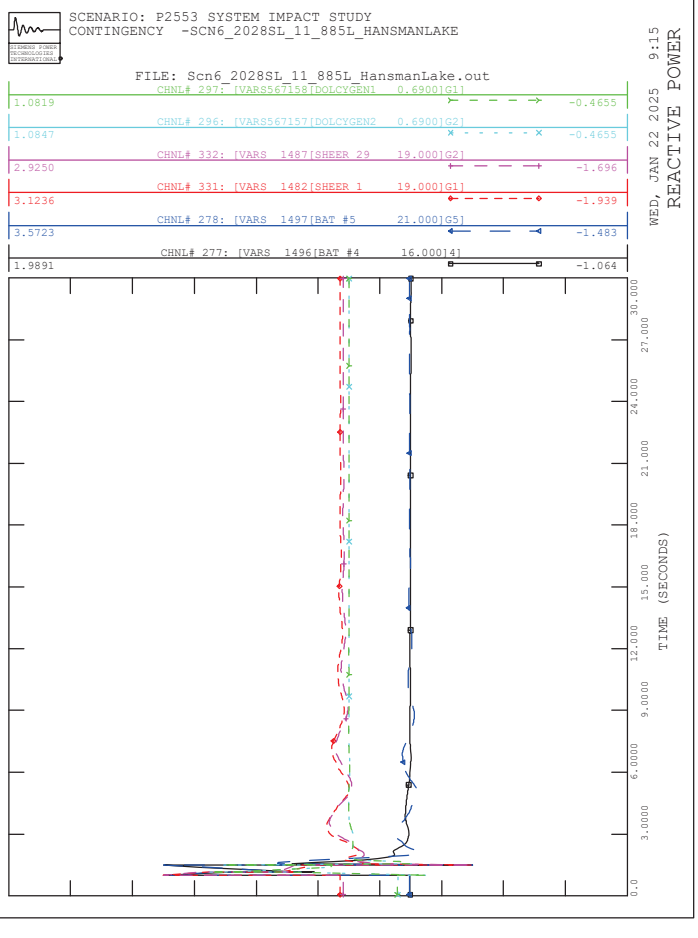
TIME (SECONDS)
WED, JAN 22 2025 9:15
ROTOR ANGLE


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_11_885L_HANSMANLAKE
FILE: Scn6_2028SL_11_885L_HansmanLake.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.0819
-0.4655
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.0847
-0.4655
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
2.9250
-1.696
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
3.1236
-1.939
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
3.5723
-1.483
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
1.9891
-1.064
0.0
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9.0000
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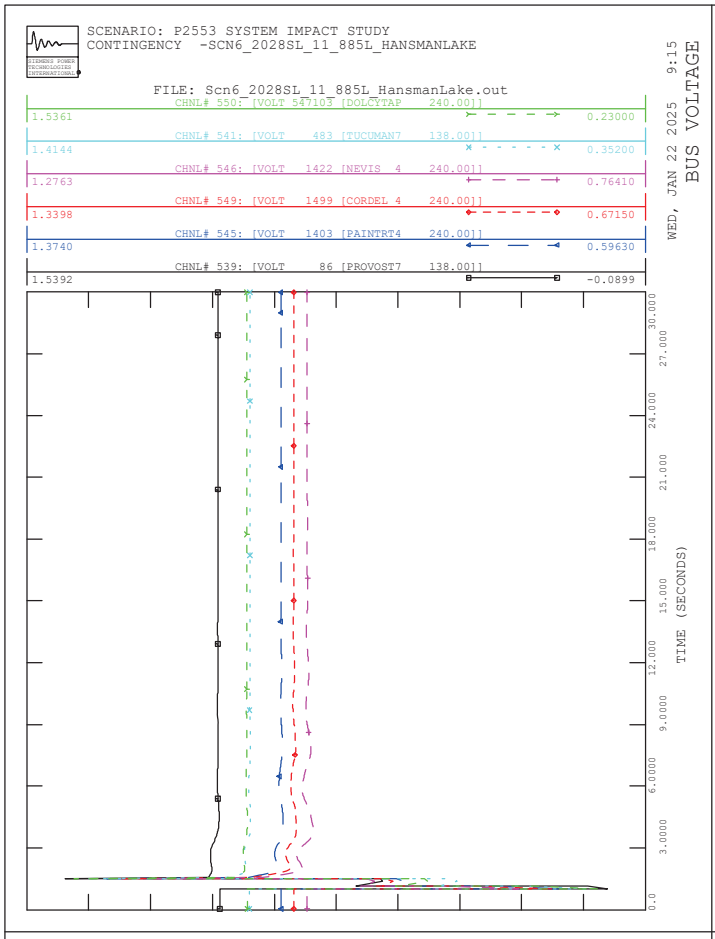
TIME (SECONDS)
WED, JAN 22 2025 9:15
REACTIVE POWER


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_11_885L_HANSMANLAKE
FILE: Scn6_2028SL_11_885L_HansmanLake.out
CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.5361
0.23000
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.4144
0.35200
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.2763
0.76410
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.3398
0.67150
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.3740
0.59630
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.5392
-0.0899
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
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18.000
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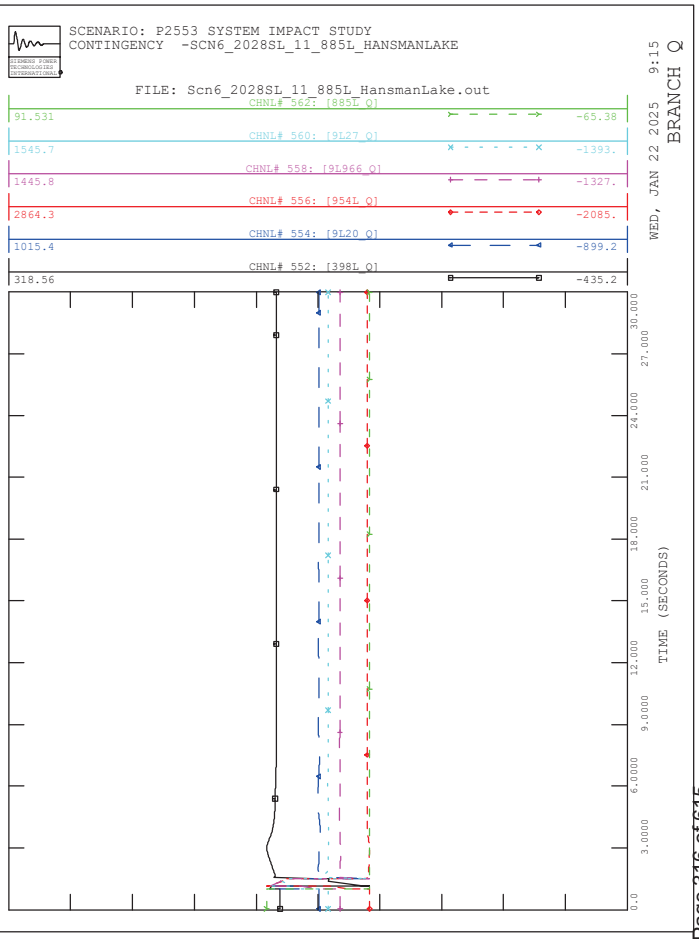
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_11_885L_HANSMANLAKE
FILE: Scn6_2028SL_11_885L_HansmanLake.out
CHNL# 562: [885L Q]
91.531
-65.38
CHNL# 560: [9L27 Q]
1545.7
-1393.
CHNL# 558: [9L966 Q]
1445.8
-1327.
CHNL# 556: [954L Q]
2864.3
-2085.
CHNL# 554: [9L20 Q]
1015.4
-899.2
CHNL# 552: [398L Q]
318.56
-435.2
WED, JAN 22 2025 9:15
BRANCH Q
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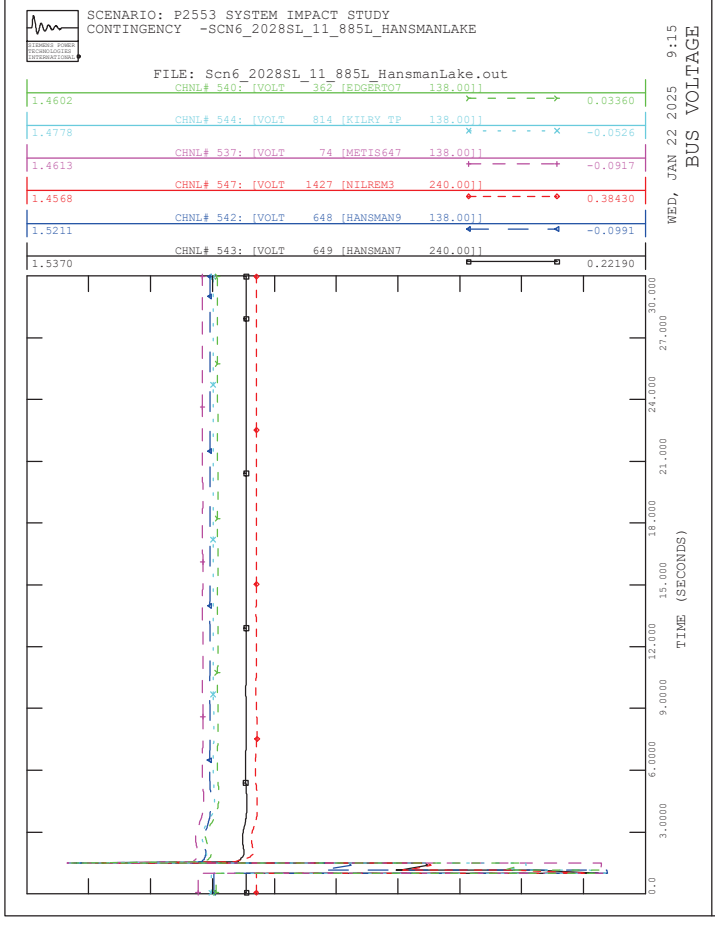
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_11_885L_HANSMANLAKE
FILE: Scn6_2028SL_11_885L_HansmanLake.out
CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.4602
0.03360
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.4778
-0.0526
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.4613
-0.0917
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.4568
0.38430
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.5211
-0.0991
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.5370
0.22190
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
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6.0000
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12.000
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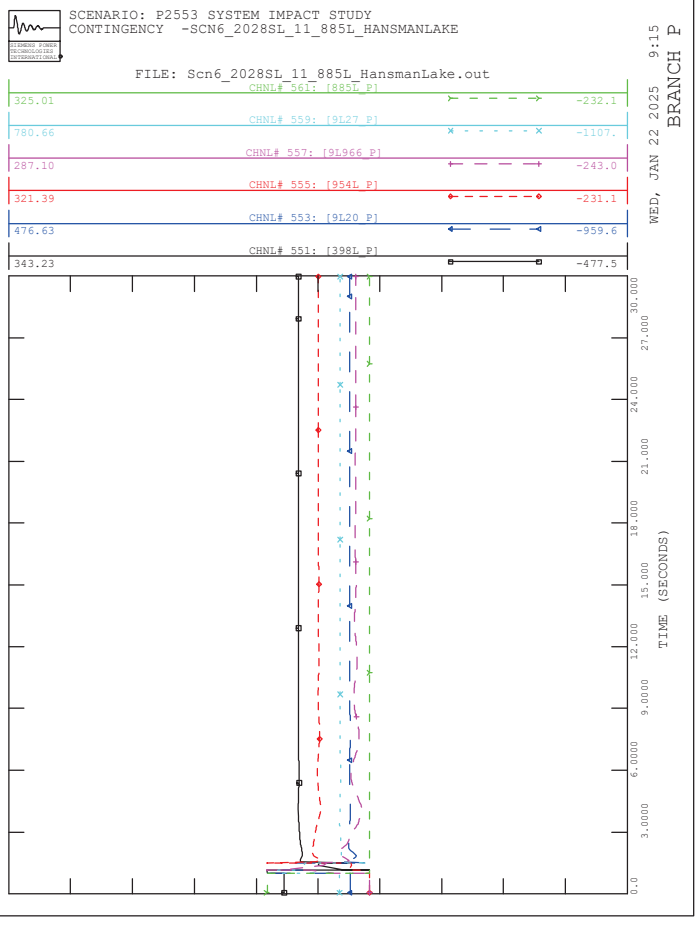
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_11_885L_HANSMANLAKE
FILE: Scn6_2028SL_11_885L_HansmanLake.out
CHNL# 561: [885L P]
325.01
-232.1
CHNL# 559: [9L27 P]
780.66
-1107.
CHNL# 557: [9L966 P]
287.10
-243.0
CHNL# 555: [954L P]
321.39
-231.1
CHNL# 553: [9L20 P]
476.63
-959.6
CHNL# 551: [398L P]
343.23
-477.5
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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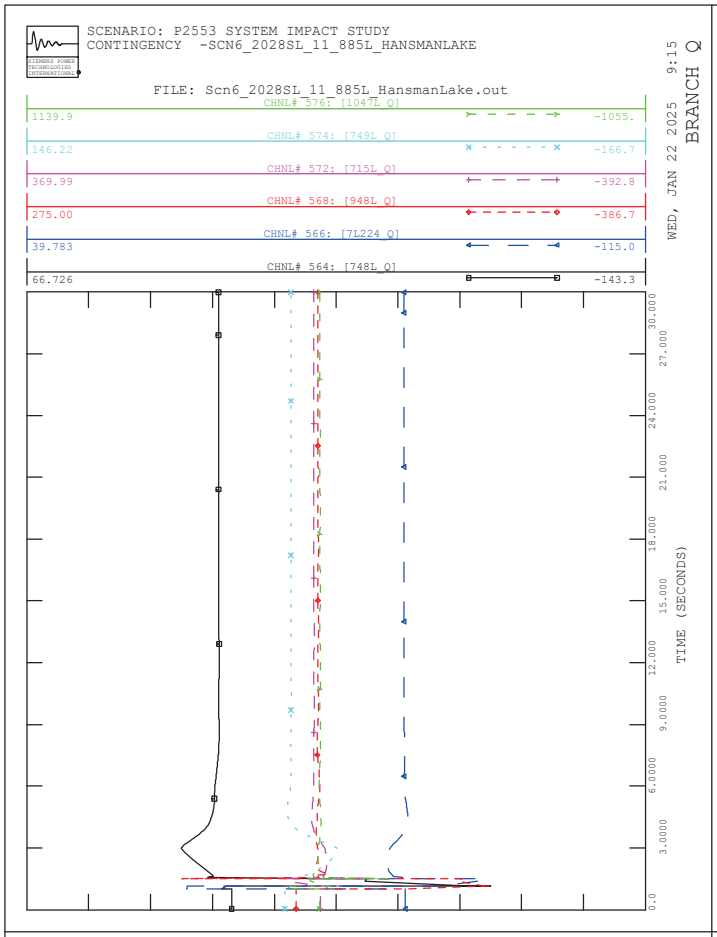
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_11_885L_HANSMANLAKE
FILE: Scn6_2028SL_11_885L_HansmanLake.out
CHNL# 576: [1047L Q]
1139.9
-1055.
CHNL# 574: [749L Q]
146.22
-166.7
CHNL# 572: [715L Q]
369.99
-392.8
CHNL# 568: [948L Q]
275.00
-386.7
CHNL# 566: [7L224 Q]
39.783
-115.0
CHNL# 564: [748L Q]
66.726
-143.3
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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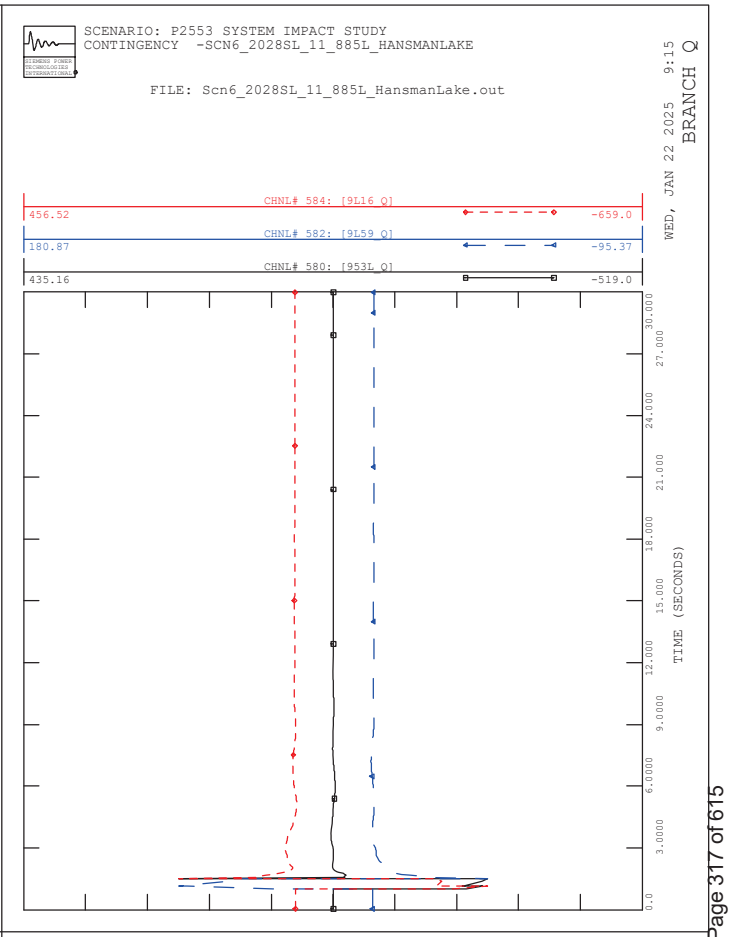
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_11_885L_HANSMANLAKE
FILE: Scn6_2028SL_11_885L_HansmanLake.out
CHNL# 584: [9L16 Q]
456.52
-659.0
CHNL# 582: [9L59 Q]
180.87
-95.37
CHNL# 580: [953L Q]
435.16
-519.0
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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6.0000
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12.000
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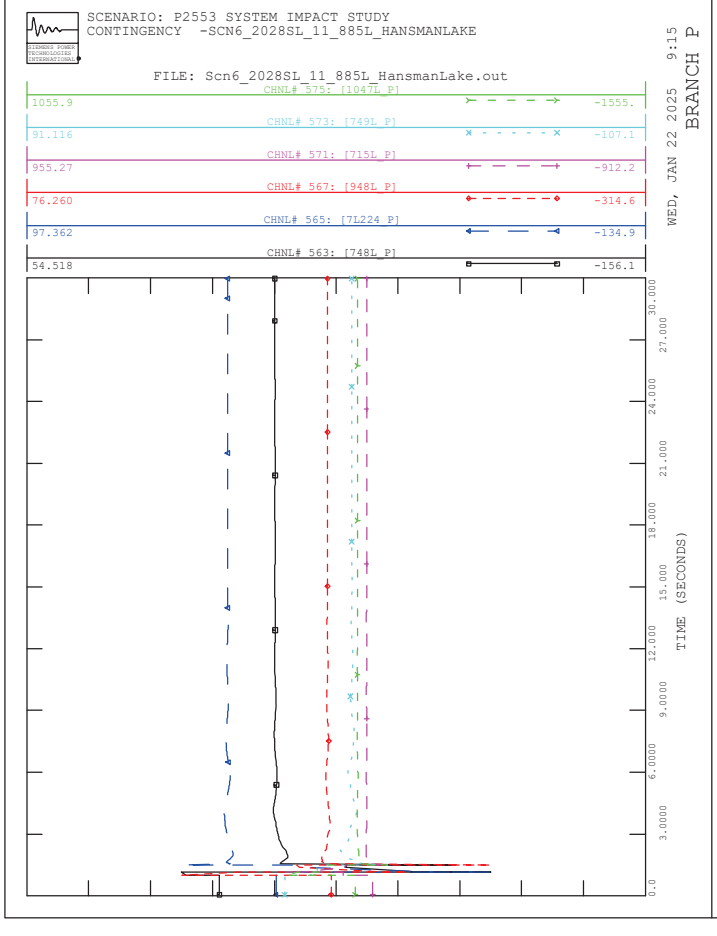
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_11_885L_HANSMANLAKE
FILE: Scn6_2028SL_11_885L_HansmanLake.out
CHNL# 575: [1047L P]
1055.9
-1555.
CHNL# 573: [749L P]
91.116
-107.1
CHNL# 571: [715L P]
955.27
-912.2
CHNL# 567: [948L P]
76.260
-314.6
CHNL# 565: [7L224 P]
97.362
-134.9
CHNL# 563: [748L P]
54.518
-156.1
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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6.0000
9.0000
12.000
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18.000
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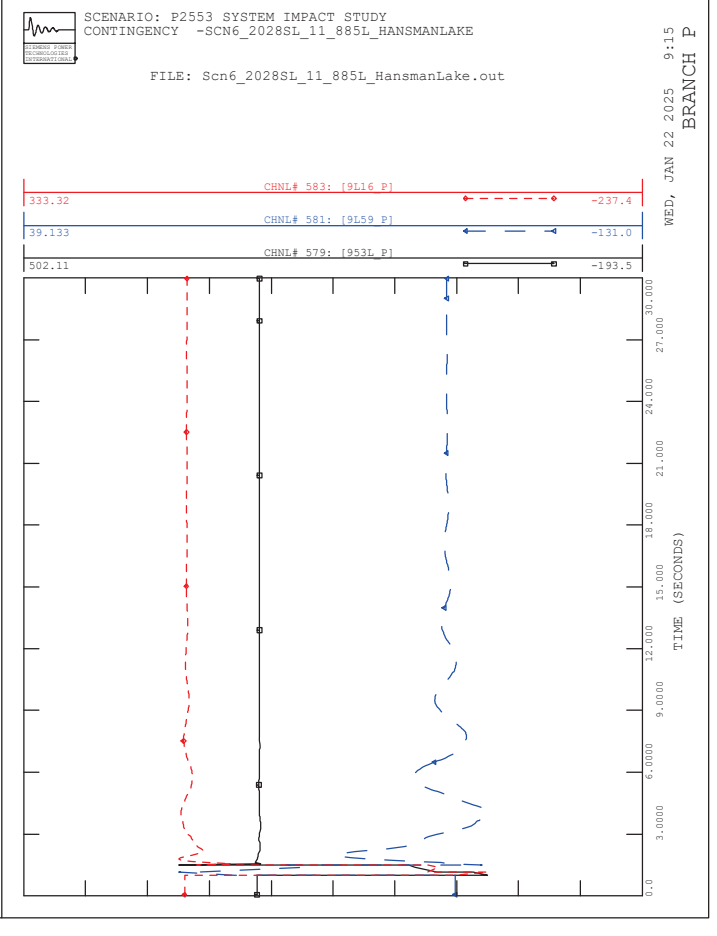
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_11_885L_HANSMANLAKE
FILE: Scn6_2028SL_11_885L_HansmanLake.out
CHNL# 583: [9L16 P]
333.32
-237.4
CHNL# 581: [9L59 P]
39.133
-131.0
CHNL# 579: [953L P]
502.11
-193.5
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_12_1047L_NILREM

FILE: Scn6_2028SL_12_1047L_Nilrem.out

WED, JAN 22 2025 9:15

ACTIVE POWER

CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1] 2.6555 -0.0751
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2] 2.6713 -0.0751
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2] 2.1223 0.95010
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1] 2.0139 0.95770
CHNL# 191: [POWR 1497[BAT #5 21.000]G5] 1.7496 0.36900
CHNL# 190: [POWR 1496[BAT #4 16.000]4] 0.97710 -0.0746

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_12_1047L_NILREM

FILE: Scn6_2028SL_12_1047L_Nilrem.out

WED, JAN 22 2025 9:15

TERMINAL VOLTAGE

CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1] 1.7136 0.18500
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2] 1.7139 0.18500
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2] 1.2127 0.75830
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1] 1.2021 0.76700
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5] 1.1935 0.66490
CHNL# 451: [ETRM 1496[BAT #4 16.000]4] 1.1461 0.68500

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_12_1047L_NILREM

FILE: Scn6_2028SL_12_1047L_Nilrem.out

WED, JAN 22 2025 9:15

ROTOR ANGLE

CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2] 48.734 -58.49
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1] 44.453 -62.24
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5] 42.437 -67.80
CHNL# 16: [ANGL 1496[BAT #4 16.000]4] 36.776 -74.22

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_12_1047L_NILREM

FILE: Scn6_2028SL_12_1047L_Nilrem.out

WED, JAN 22 2025 9:15

REACTIVE POWER

CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1] 1.5614 -0.4823
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2] 1.5687 -0.4847
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2] 3.1769 -1.376
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1] 3.4738 -1.817
CHNL# 278: [VARS 1497[BAT #5 21.000]G5] 5.0730 -3.337
CHNL# 277: [VARS 1496[BAT #4 16.000]4] 3.0049 -2.277

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_12_1047L_NILREM

FILE: Scn6_2028SL_12_1047L_Nilrem.out

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]] 1.6208 0.17170
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]] 1.3320 0.01060
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]] 1.2496 0.67330
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]] 1.2992 0.52840
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]] 1.3529 0.46720
CHNL# 539: [VOLT 86 [PROVOST7 138.00]] 1.5441 0.16360

WED, JAN 22 2025 9:15
BUS VOLTAGE

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_12_1047L_NILREM

FILE: Scn6_2028SL_12_1047L_Nilrem.out

CHNL# 562: [885L Q] 740.48 -574.8
CHNL# 560: [9L27 Q] 1914.6 -1821.
CHNL# 558: [9L966 Q] 1697.1 -1603.
CHNL# 556: [954L Q] 470.29 -548.2
CHNL# 554: [9L20 Q] 1150.5 -918.3
CHNL# 552: [398L Q] 200.31 -274.1

WED, JAN 22 2025 9:15
BRANCH Q

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_12_1047L_NILREM

FILE: Scn6_2028SL_12_1047L_Nilrem.out

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]] 1.4660 0.21310
CHNL# 544: [VOLT 814 [KILRY TP 138.00]] 1.4931 0.16740
CHNL# 537: [VOLT 74 [METIS647 138.00]] 1.5281 0.16180
CHNL# 547: [VOLT 1427 [NILREM3 240.00]] 1.3573 -0.0967
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]] 1.5299 0.16280
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]] 1.6228 0.16520

WED, JAN 22 2025 9:15
BUS VOLTAGE

TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_12_1047L_NILREM

FILE: Scn6_2028SL_12_1047L_Nilrem.out

CHNL# 561: [885L P] 783.47 -532.6
CHNL# 559: [9L27 P] 1015.3 -1439.
CHNL# 557: [9L966 P] 244.45 -216.8
CHNL# 555: [954L P] 194.06 -157.4
CHNL# 553: [9L20 P] 690.22 -1114.
CHNL# 551: [398L P] 99.431 -146.6

WED, JAN 22 2025 9:15
BRANCH P

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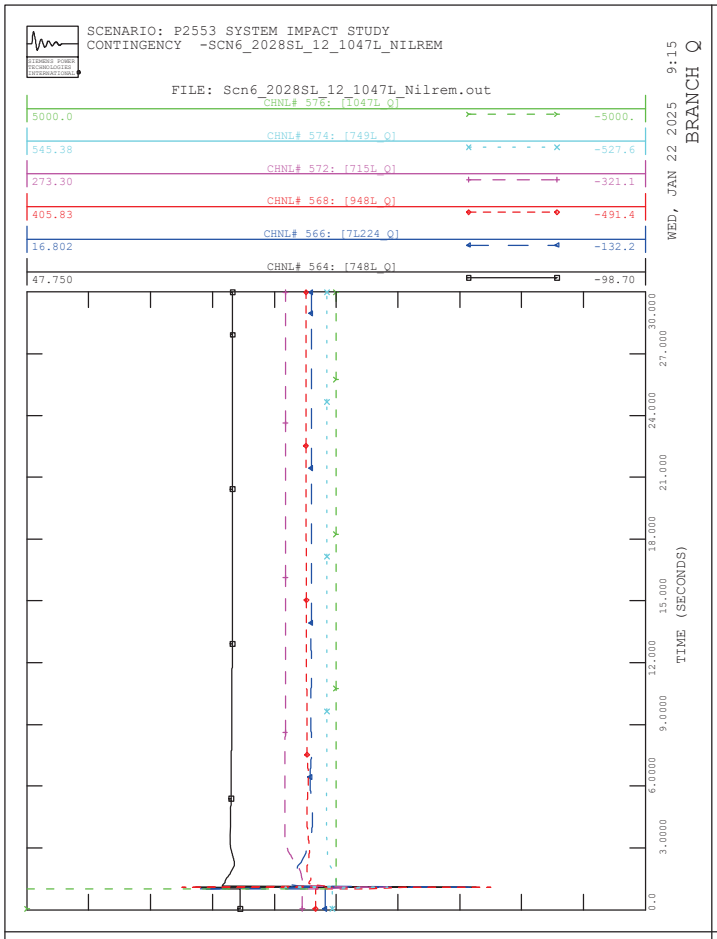
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CHNL# 574: [749L Q]
545.38
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CHNL# 572: [715L Q]
273.30
-321.1
CHNL# 568: [948L Q]
405.83
-491.4
CHNL# 566: [7L224 Q]
16.802
-132.2
CHNL# 564: [748L Q]
47.750
-98.70
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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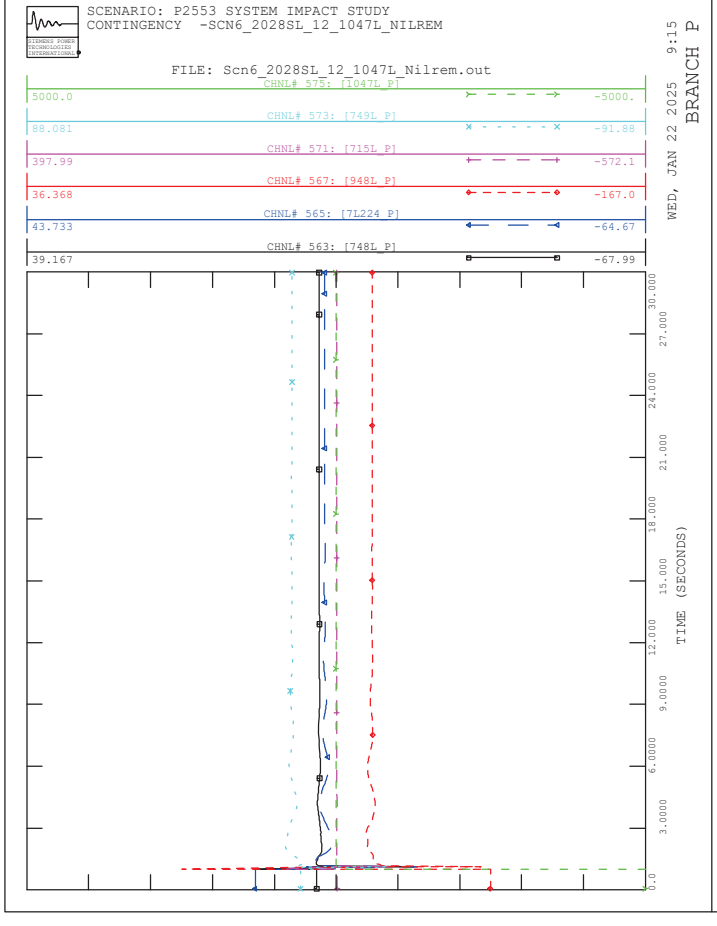
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CONTINGENCY -SCN6_2028SL_12_1047L_NILREM
FILE: Scn6_2028SL_12_1047L_Nilrem.out
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-5000.
CHNL# 573: [749L P]
88.081
-91.88
CHNL# 571: [715L P]
397.99
-572.1
CHNL# 567: [948L P]
36.368
-167.0
CHNL# 565: [7L224 P]
43.733
-64.67
CHNL# 563: [748L P]
39.167
-67.99
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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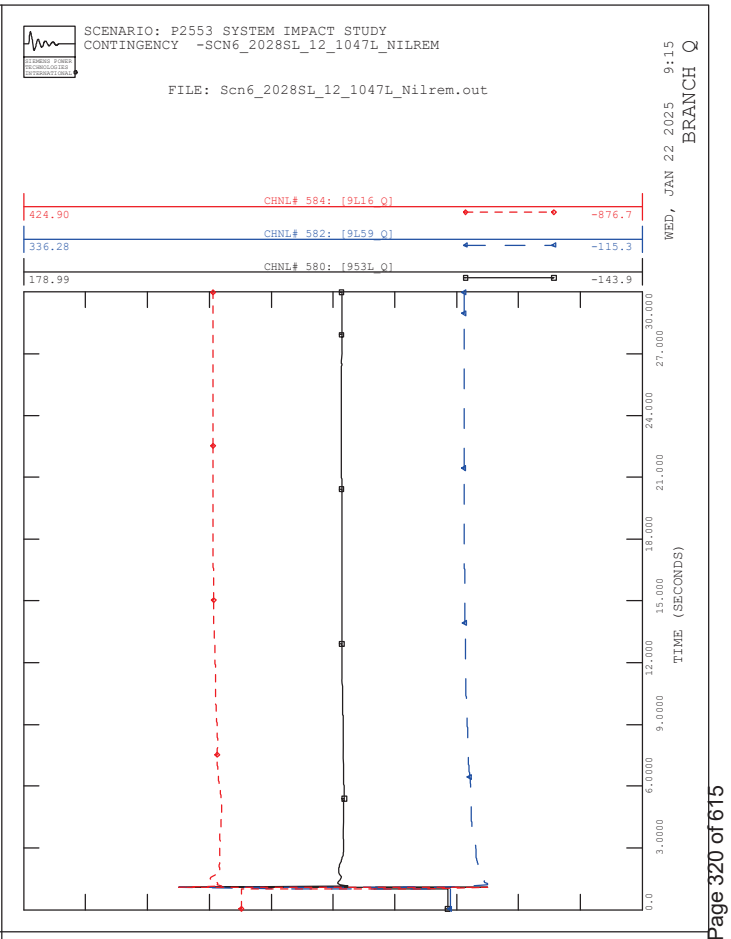
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CONTINGENCY -SCN6_2028SL_12_1047L_NILREM
FILE: Scn6_2028SL_12_1047L_Nilrem.out
CHNL# 584: [9L16 Q]
424.90
-876.7
CHNL# 582: [9L59 Q]
336.28
-115.3
CHNL# 580: [953L Q]
178.99
-143.9
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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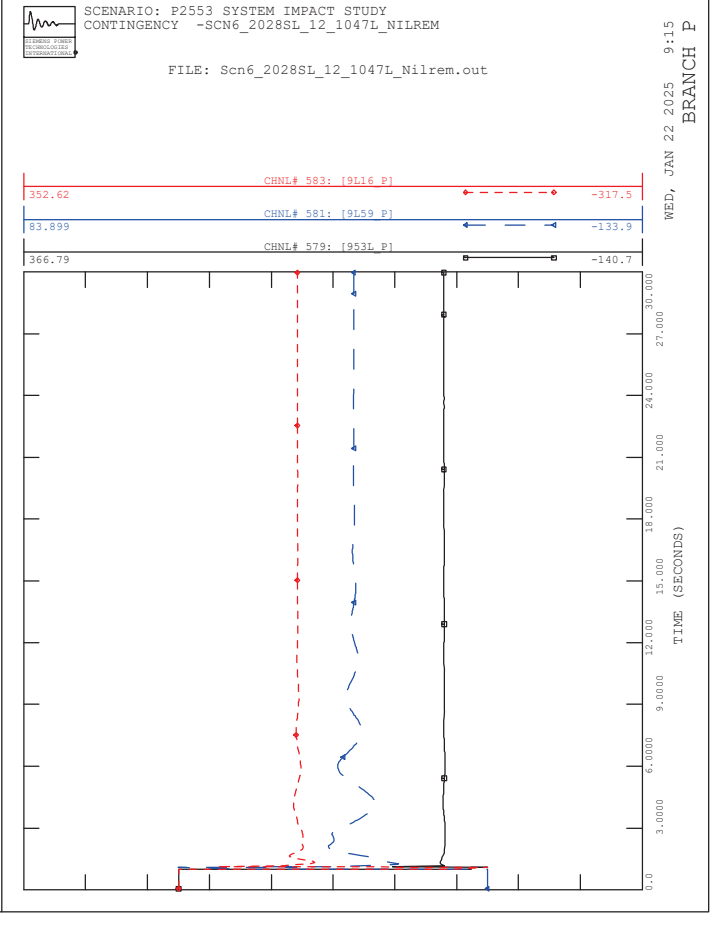
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FILE: Scn6_2028SL_12_1047L_Nilrem.out
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352.62
-317.5
CHNL# 581: [9L59 P]
83.899
-133.9
CHNL# 579: [953L P]
366.79
-140.7
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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6.0000
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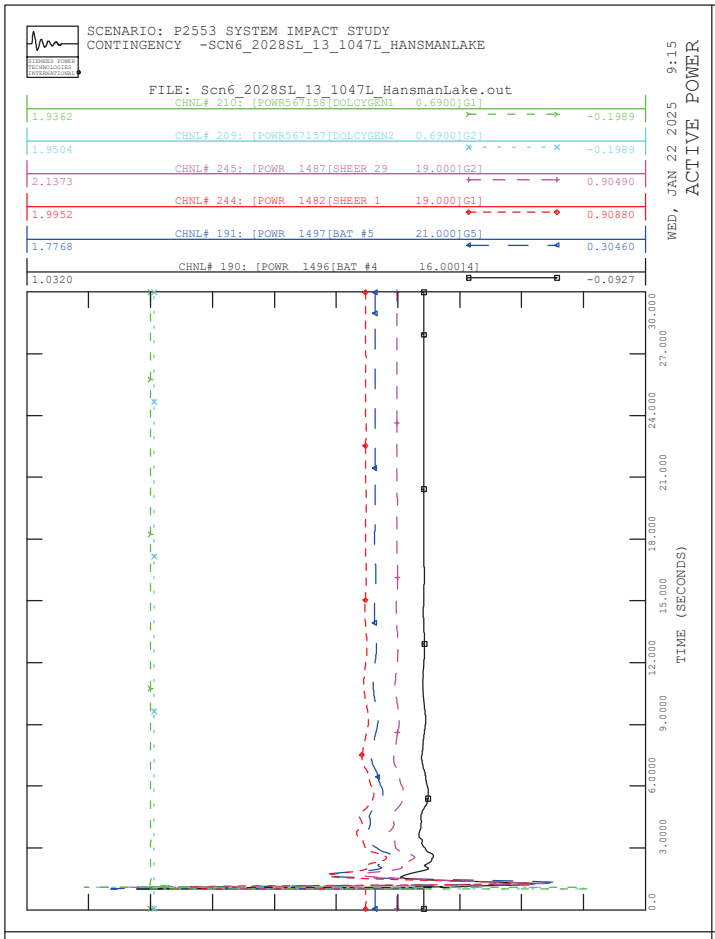
30.000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CONTINGENCY -SCN6_2028SL_13_1047L_HANSMANLAKE
FILE: Scn6_2028SL_13_1047L_HansmanLake.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
1.9362
-0.1989
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
1.9504
-0.1989
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
2.1373
0.90490
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.9952
0.90880
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.7768
0.30460
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
1.0320
-0.0927
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
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3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
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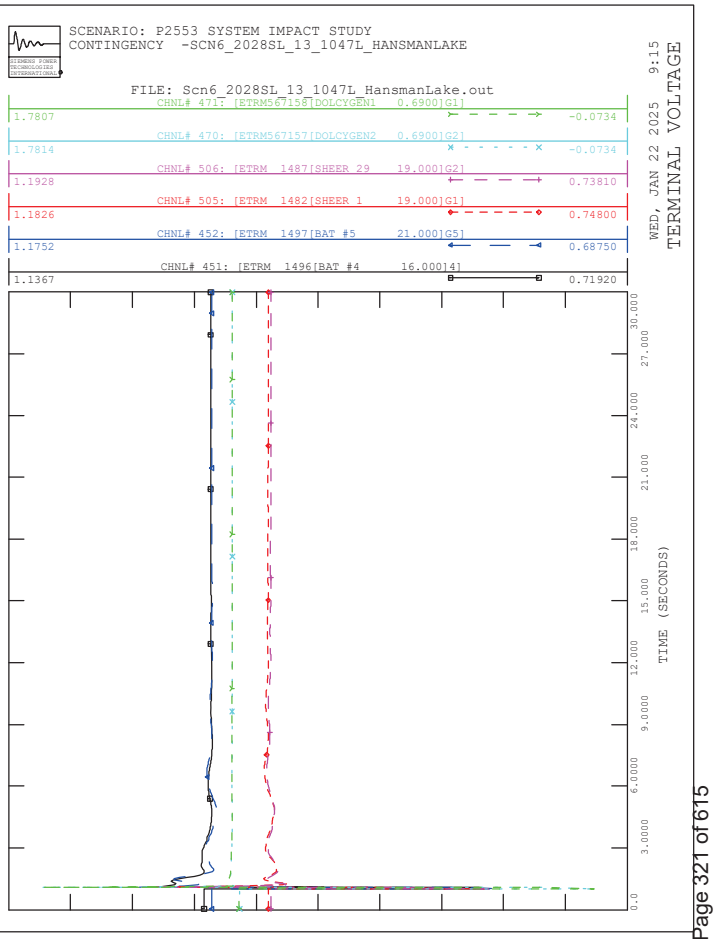
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_13_1047L_HANSMANLAKE
FILE: Scn6_2028SL_13_1047L_HansmanLake.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.7807
-0.0734
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.7814
-0.0734
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1928
0.73810
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1826
0.74800
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1752
0.68750
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1367
0.71920
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
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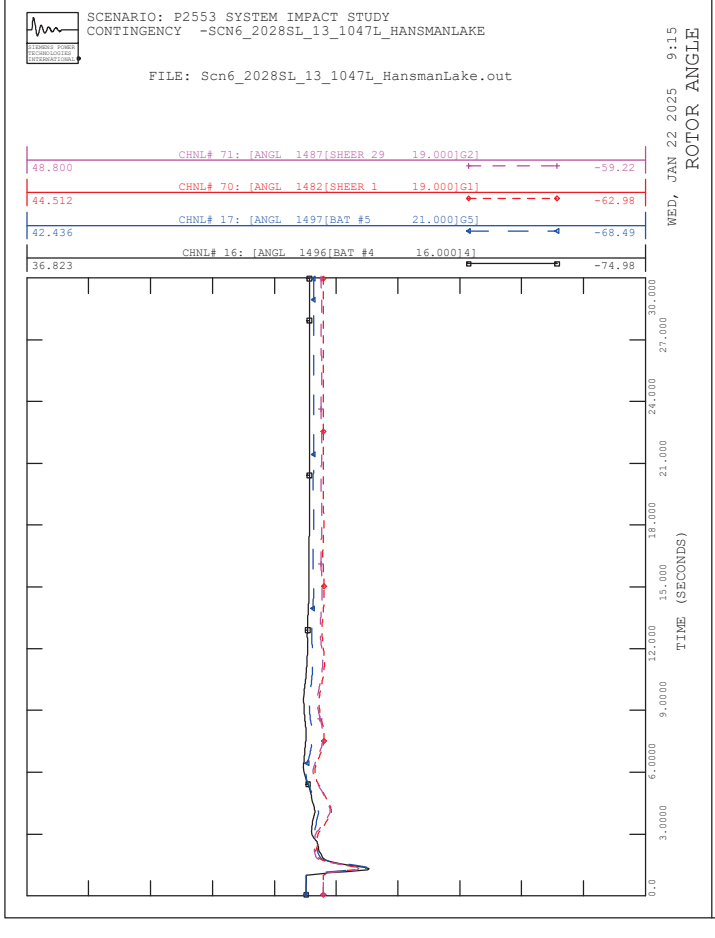
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_13_1047L_HANSMANLAKE
FILE: Scn6_2028SL_13_1047L_HansmanLake.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
48.800
-59.22
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
44.512
-62.98
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
42.436
-68.49
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
36.823
-74.98
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
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6.0000
9.0000
12.000
15.000
18.000
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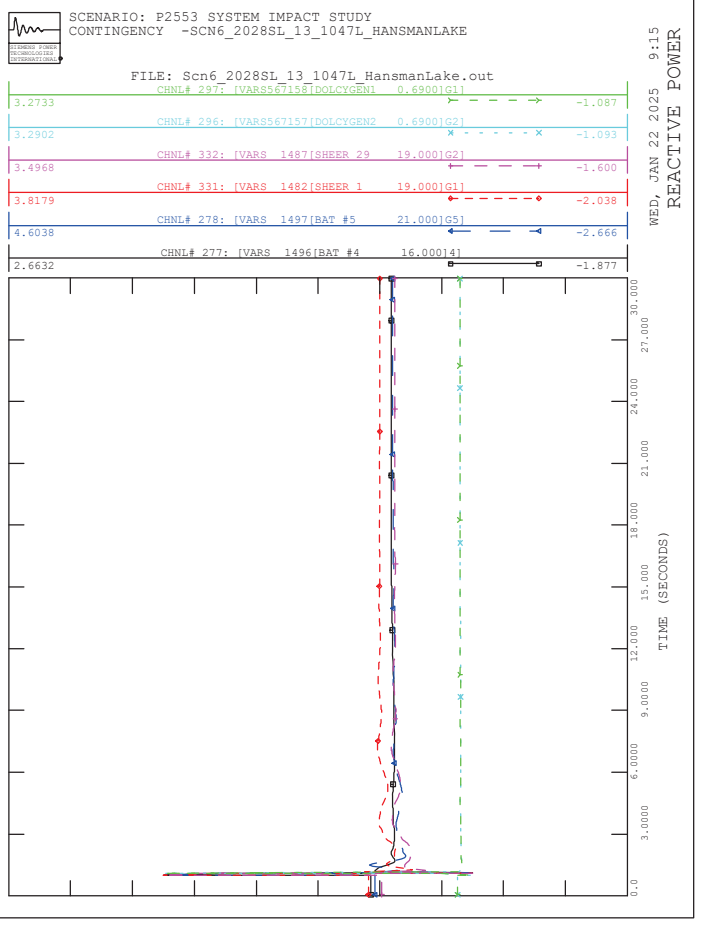
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_13_1047L_HANSMANLAKE
FILE: Scn6_2028SL_13_1047L_HansmanLake.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
3.2733
-1.087
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
3.2902
-1.093
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
3.4968
-1.600
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
3.8179
-2.038
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
4.6038
-2.666
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
2.6632
-1.877
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_13_1047L_HANSMANLAKE

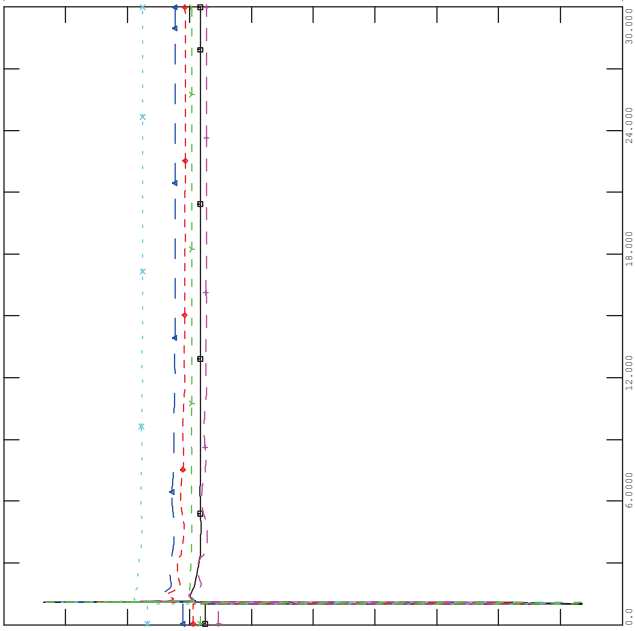
FILE: Scn6_2028SL_13_1047L_HansmanLake.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]] 1.6081 -0.0856
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]] 1.2805 0.20790
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]] 1.2298 0.69510
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]] 1.2648 0.56830
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]] 1.2974 0.45750
CHNL# 539: [VOLT 86 [PROVOST7 138.00]] 1.5340 -0.0101

TIME (SECONDS)



SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_13_1047L_HANSMANLAKE

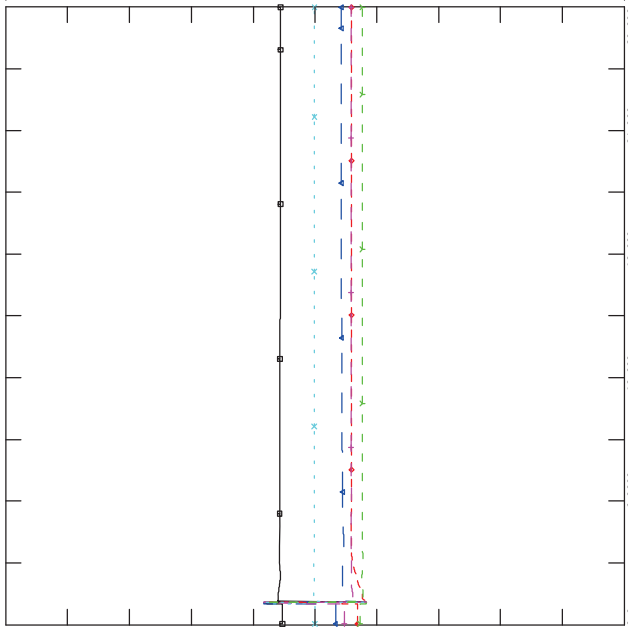
FILE: Scn6_2028SL_13_1047L_HansmanLake.out

WED, JAN 22 2025 9:15

BRANCH Q

CHNL# 562: [885L Q] 1475.5 -1062.
CHNL# 560: [9L27 Q] 2601.2 -2550.
CHNL# 558: [9L966 Q] 1101.4 -983.5
CHNL# 556: [954L Q] 470.95 -396.5
CHNL# 554: [9L20 Q] 972.01 -745.4
CHNL# 552: [398L Q] 208.62 -283.9

TIME (SECONDS)



SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_13_1047L_HANSMANLAKE

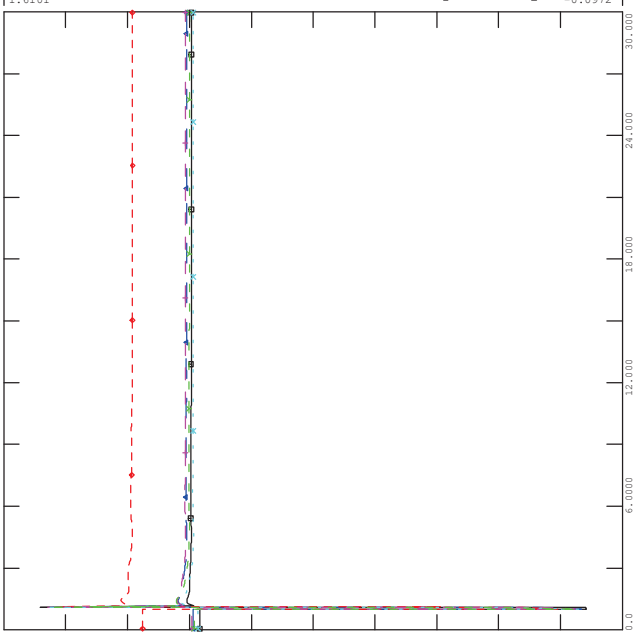
FILE: Scn6_2028SL_13_1047L_HansmanLake.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]] 1.4469 0.07330
CHNL# 544: [VOLT 814 [KILRY TP 138.00]] 1.4881 0.00310
CHNL# 537: [VOLT 74 [METIS647 138.00]] 1.4887 -0.0142
CHNL# 547: [VOLT 1427 [NILREM3 240.00]] 1.3092 0.19370
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]] 1.4923 -0.0147
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]] 1.6101 -0.0972

TIME (SECONDS)



SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_13_1047L_HANSMANLAKE

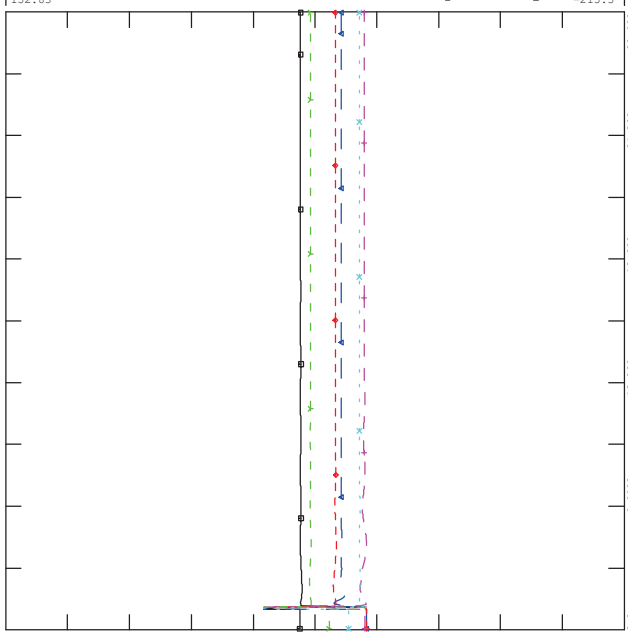
FILE: Scn6_2028SL_13_1047L_HansmanLake.out

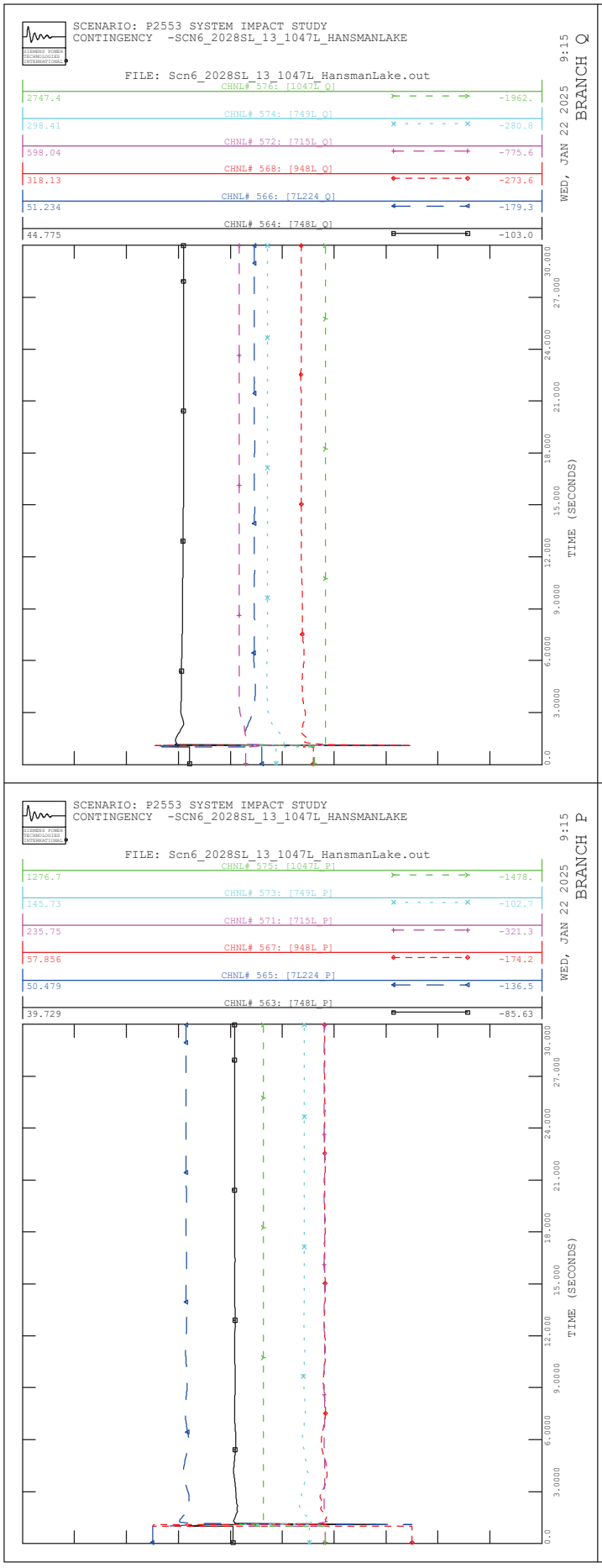
WED, JAN 22 2025 9:15

BRANCH P

CHNL# 561: [885L P] 775.89 -550.4
CHNL# 559: [9L27 P] 966.04 -1188.
CHNL# 557: [9L966 P] 463.41 -373.6
CHNL# 555: [954L P] 344.48 -247.5
CHNL# 553: [9L20 P] 536.73 -925.1
CHNL# 551: [398L P] 152.83 -215.5

TIME (SECONDS)

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CONTINGENCY -SCN6_2028SL_13_1047L_HANSMANLAKE
FILE: Scn6_2028SL_13_1047L_HansmanLake.out
CHNL# 576: [1047L Q]
2747.4
-1962.
CHNL# 574: [749L Q]
298.41
-280.8
CHNL# 572: [715L Q]
598.04
-775.6
CHNL# 568: [948L Q]
318.13
-273.6
CHNL# 566: [7L224 Q]
51.234
-179.3
CHNL# 564: [748L Q]
44.775
-103.0
BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
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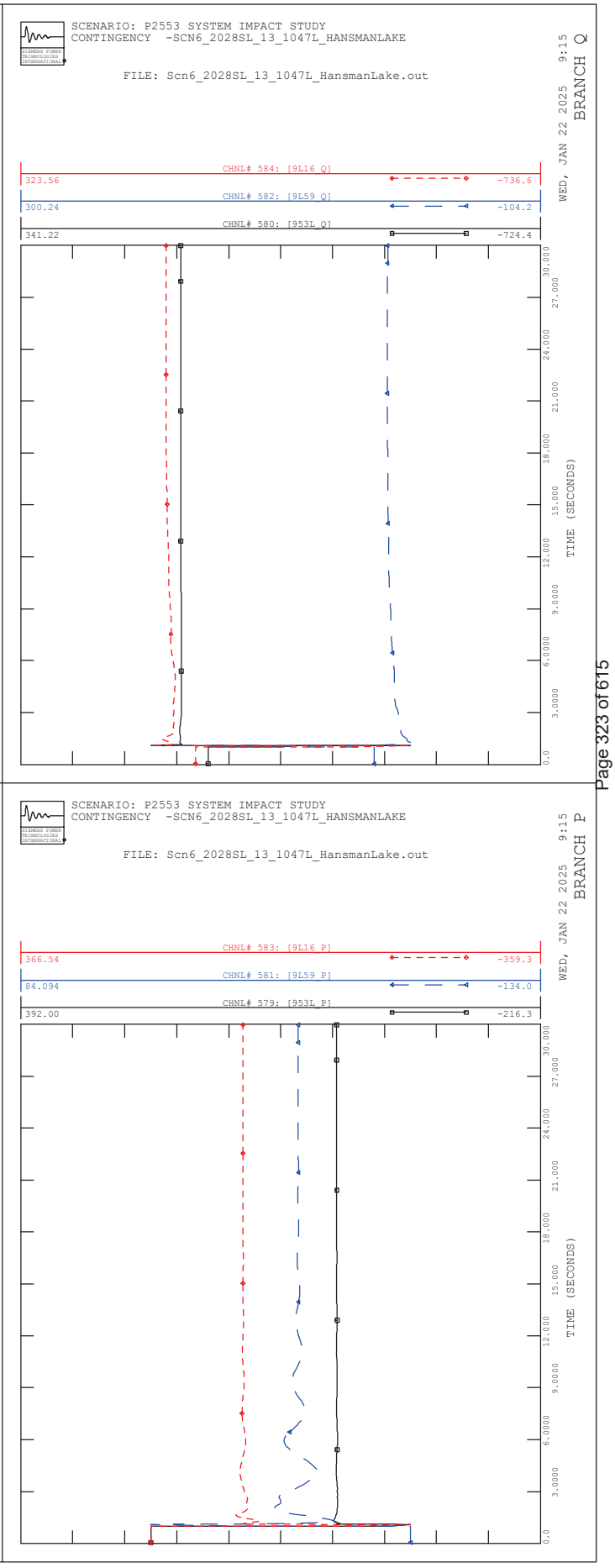
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CONTINGENCY -SCN6_2028SL_13_1047L_HANSMANLAKE
FILE: Scn6_2028SL_13_1047L_HansmanLake.out
CHNL# 584: [9L16 Q]
323.56
-736.6
CHNL# 582: [9L59 Q]
300.24
-104.2
CHNL# 580: [953L Q]
341.22
-724.4
BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
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12.000
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21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_13_1047L_HANSMANLAKE
FILE: Scn6_2028SL_13_1047L_HansmanLake.out
CHNL# 575: [1047L P]
1276.7
-1478.
CHNL# 573: [749L P]
145.73
-102.7
CHNL# 571: [715L P]
235.75
-321.3
CHNL# 567: [948L P]
57.856
-174.2
CHNL# 565: [7L224 P]
50.479
-136.5
CHNL# 563: [748L P]
39.729
-85.63
BRANCH P
WED, JAN 22 2025 9:15
TIME (SECONDS)
0.0
3.0000
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9.0000
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24.000
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_13_1047L_HANSMANLAKE
FILE: Scn6_2028SL_13_1047L_HansmanLake.out
CHNL# 583: [9L16 P]
366.54
-359.3
CHNL# 581: [9L59 P]
84.094
-134.0
CHNL# 579: [953L P]
392.00
-216.3
BRANCH P
WED, JAN 22 2025 9:15
TIME (SECONDS)
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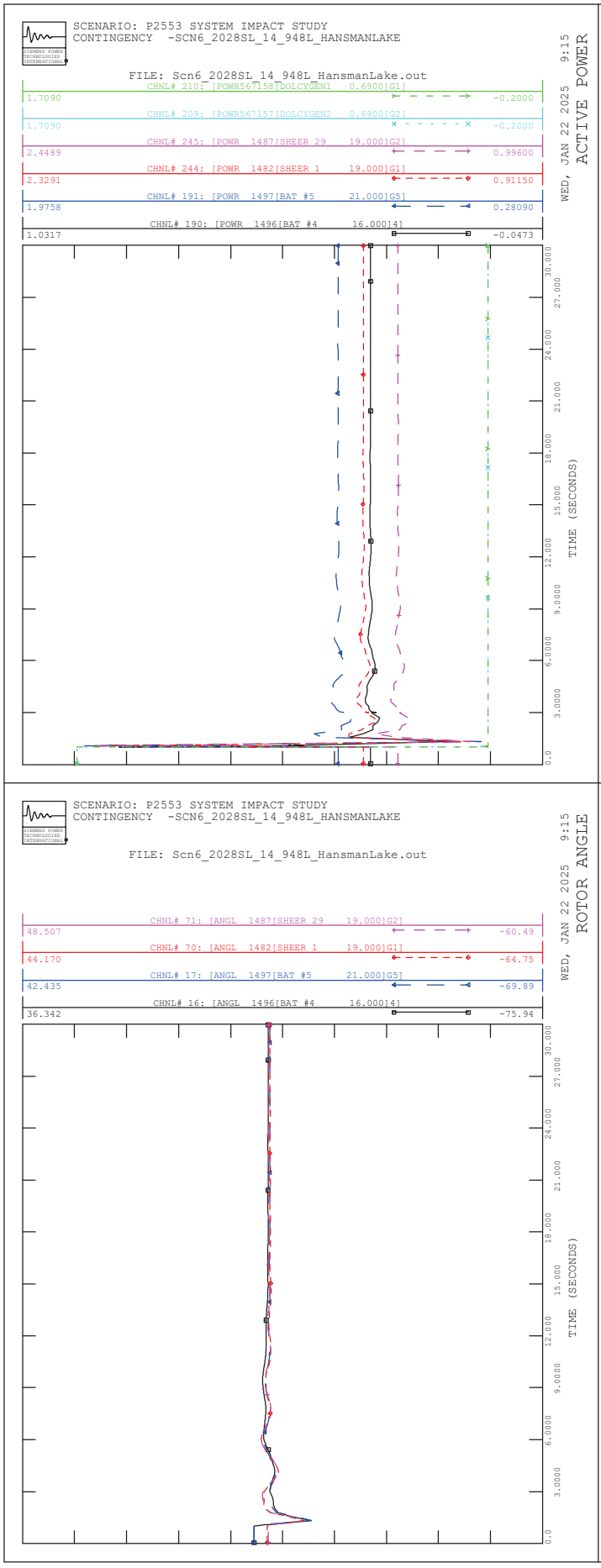
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_14_948L_HANSMANLAKE
FILE: Scn6_2028SL_14_948L_HansmanLake.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
1.7090
-0.2000
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
1.7090
-0.2000
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
2.4489
0.99600
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
2.3291
0.91150
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.9758
0.28090
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
1.0317
-0.0473
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
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6.0000
9.0000
12.000
15.000
18.000
21.000
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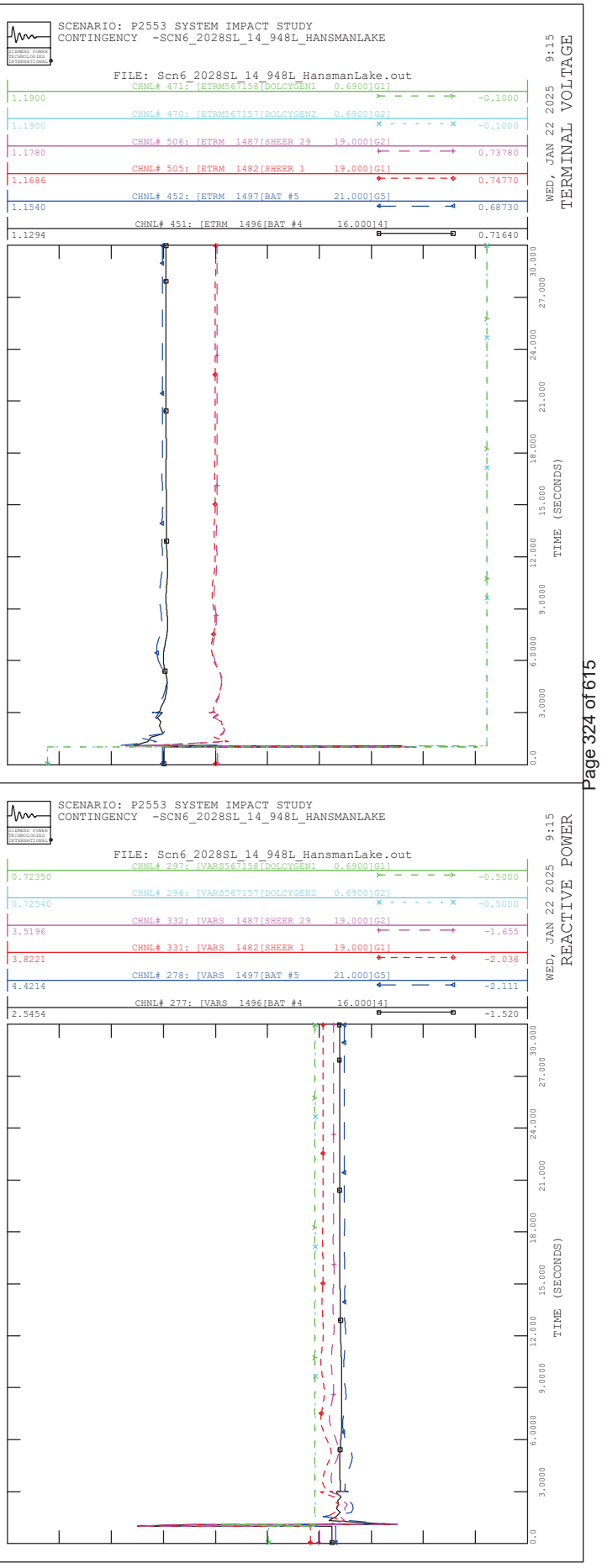
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_14_948L_HANSMANLAKE
FILE: Scn6_2028SL_14_948L_HansmanLake.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.1900
-0.1000
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.1900
-0.1000
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1780
0.73780
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1686
0.74770
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1540
0.68730
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1294
0.71640
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_14_948L_HANSMANLAKE
FILE: Scn6_2028SL_14_948L_HansmanLake.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
48.507
-60.49
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
44.170
-64.75
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
42.435
-69.89
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
36.342
-75.94
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_14_948L_HANSMANLAKE
FILE: Scn6_2028SL_14_948L_HansmanLake.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
0.72350
-0.5000
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
0.72540
-0.5000
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
3.5196
-1.655
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
3.8221
-2.036
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
4.4214
-2.111
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
2.5454
-1.520
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_14_948L_HANSMANLAKE

FILE: Scn6_2028SL_14_948L_HansmanLake.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.1706 -0.1000
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.3679 0.20790
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.2073 0.69480
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2280 0.56790
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.2283 0.45670
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.5348 -0.0115

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_14_948L_HANSMANLAKE

FILE: Scn6_2028SL_14_948L_HansmanLake.out

WED, JAN 22 2025 9:15

BRANCH Q

CHNL# 562: [885L Q]
786.79 -570.3
CHNL# 560: [9L27 Q]
3308.1 -2374.
CHNL# 558: [9L966 Q]
1120.2 -1017.
CHNL# 556: [954L Q]
180.38 -252.6
CHNL# 554: [9L20 Q]
903.32 -650.0
CHNL# 552: [398L Q]
266.30 -364.5

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_14_948L_HANSMANLAKE

FILE: Scn6_2028SL_14_948L_HansmanLake.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.4578 0.07210
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.4798 0.00220
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.5012 -0.0159
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.4111 0.19410
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.5031 -0.0163
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.5631 -0.0997

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_14_948L_HANSMANLAKE

FILE: Scn6_2028SL_14_948L_HansmanLake.out

WED, JAN 22 2025 9:15

BRANCH P

CHNL# 561: [885L P]
433.00 -305.6
CHNL# 559: [9L27 P]
1195.4 -1246.
CHNL# 557: [9L966 P]
970.48 -731.2
CHNL# 555: [954L P]
99.697 -96.84
CHNL# 553: [9L20 P]
537.17 -925.5
CHNL# 551: [398L P]
133.91 -188.8

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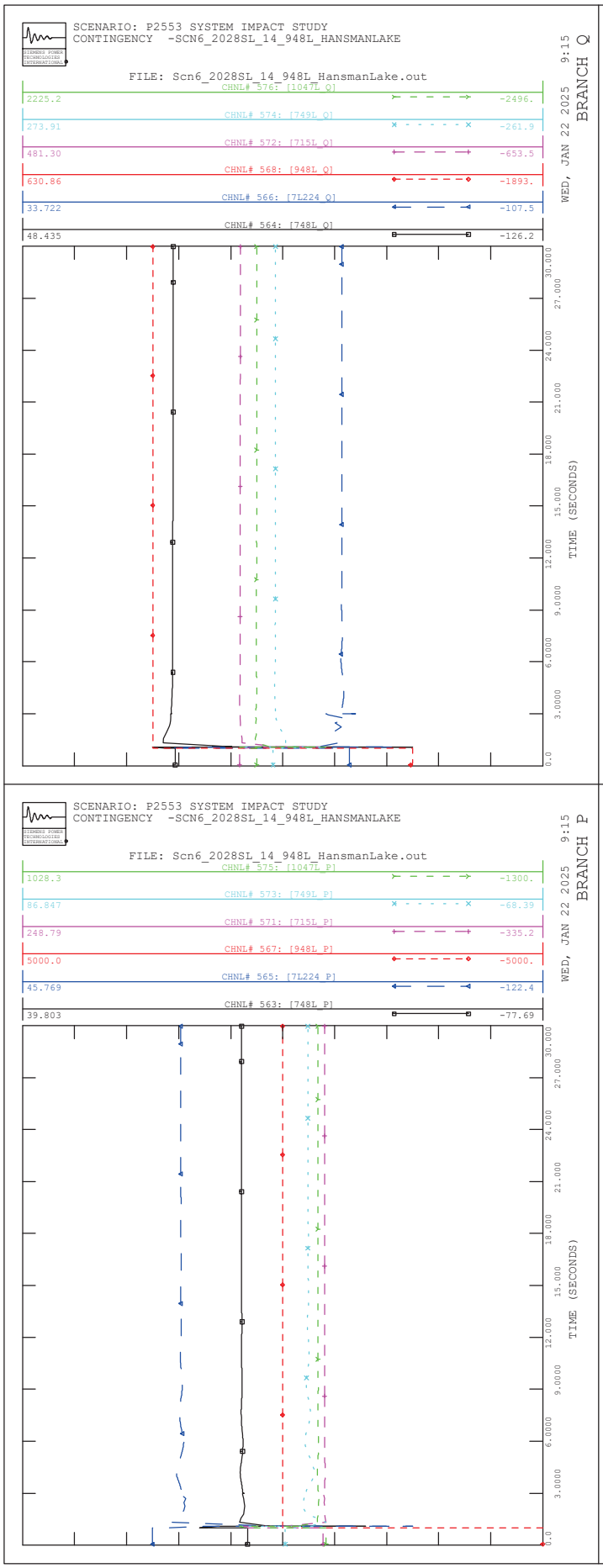
TIME (SECONDS)


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_14_948L_HANSMANLAKE
FILE: Scn6_2028SL_14_948L_HansmanLake.out
CHNL# 576: [1047L Q]
2225.2
-2496.
CHNL# 574: [749L Q]
273.91
-261.9
CHNL# 572: [715L Q]
481.30
-653.5
CHNL# 568: [948L Q]
630.86
-1893.
CHNL# 566: [7L224 Q]
33.722
-107.5
CHNL# 564: [748L Q]
48.435
-126.2
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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9.0000
12.000
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18.000
21.000
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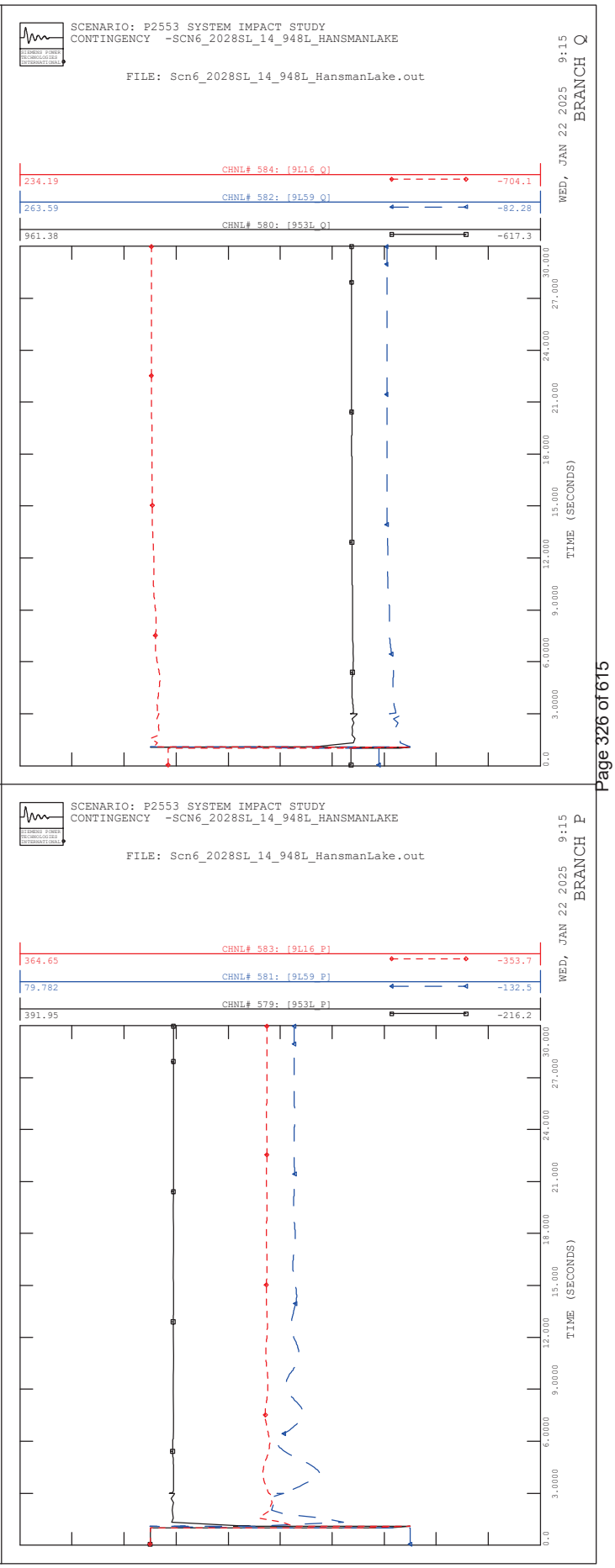
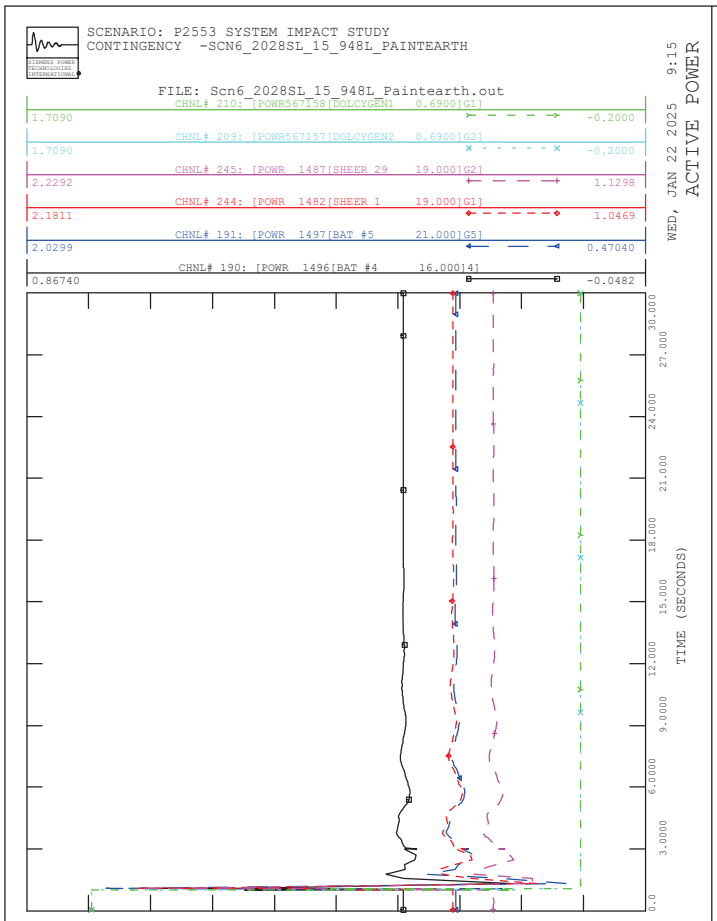
30.000




SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_15_948L_PAINTEARTH
FILE: Scn6_2028SL_15_948L_Paintearth.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
1.7090
-0.2000
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
1.7090
-0.2000
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
2.2292
1.1298
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
2.1811
1.0469
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
2.0299
0.47040
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.86740
-0.0482
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
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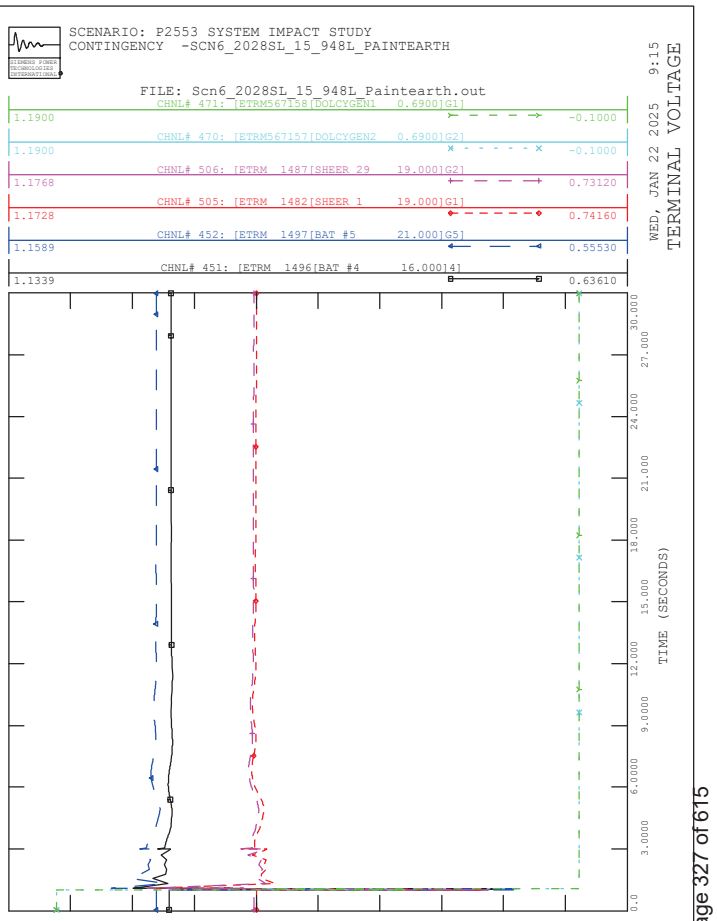
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_15_948L_PAINTEARTH
FILE: Scn6_2028SL_15_948L_Paintearth.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.1900
-0.1000
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.1900
-0.1000
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1768
0.73120
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1728
0.74160
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1589
0.55530
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1339
0.63610
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
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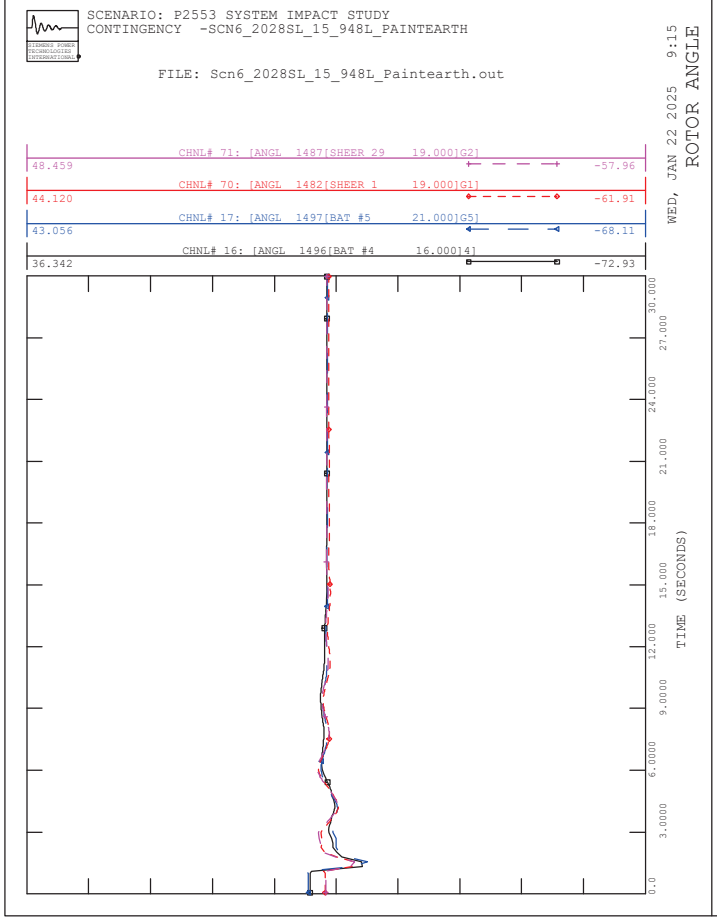
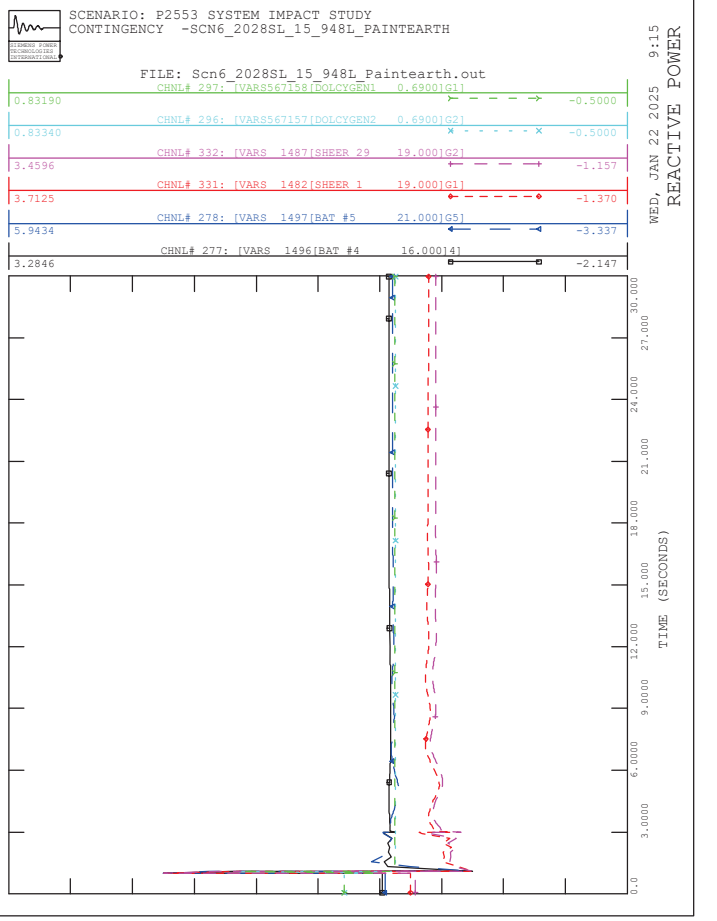
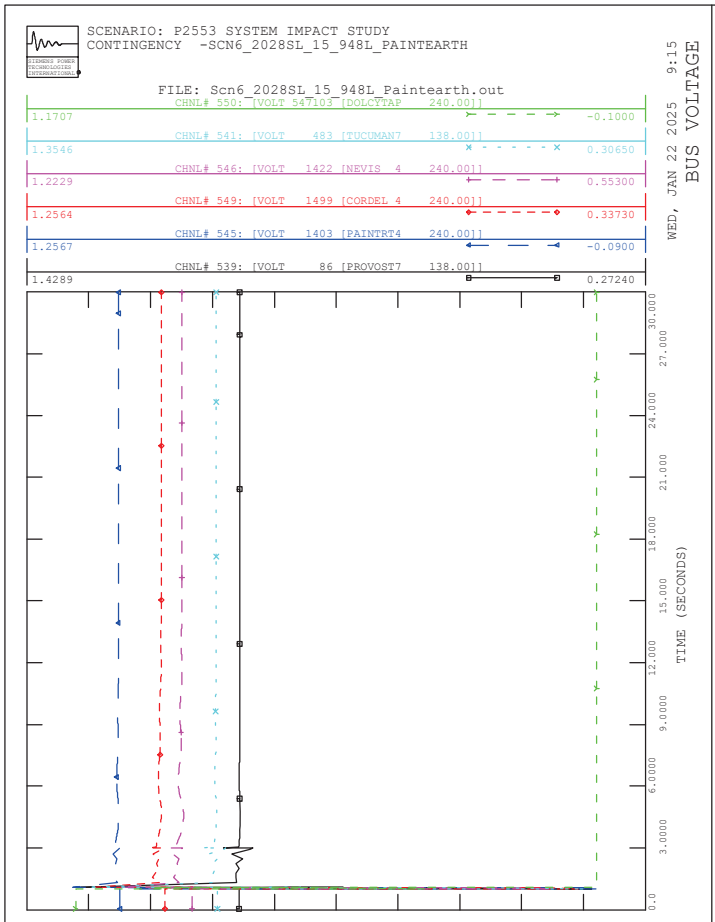
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_15_948L_PAINTEARTH
FILE: Scn6_2028SL_15_948L_Paintearth.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
48.459
-57.96
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
44.120
-61.91
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
43.056
-68.11
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
36.342
-72.93
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_15_948L_PAINTEARTH
FILE: Scn6_2028SL_15_948L_Paintearth.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
0.83190
-0.5000
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
0.83340
-0.5000
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
3.4596
-1.157
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
3.7125
-1.370
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
5.9434
-3.337
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
3.2846
-2.147
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_15_948L_PAINTEARTH
FILE: Scn6_2028SL_15_948L_Paintearth.out
CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.1707
-0.1000
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.3546
0.30650
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.2229
0.55300
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2564
0.33730
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.2567
-0.0900
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.4289
0.27240
BUS VOLTAGE
WED, JAN 22 2025 9:15
TIME (SECONDS)
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18.000
21.000
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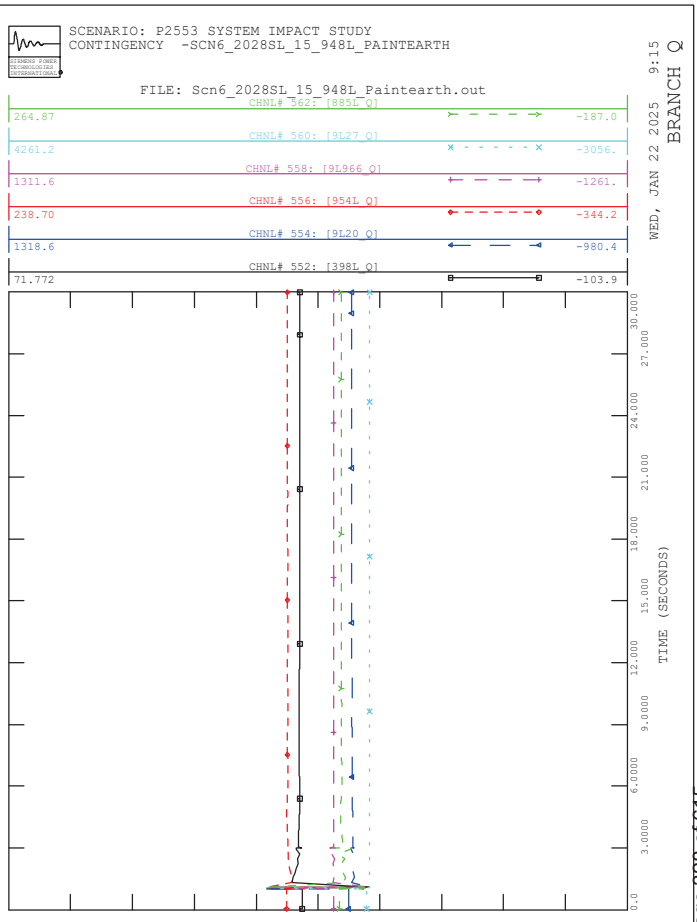
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_15_948L_PAINTEARTH
FILE: Scn6_2028SL_15_948L_Paintearth.out
CHNL# 562: [885L_Q]
264.87
-187.0
CHNL# 560: [9L27_Q]
4261.2
-3056.
CHNL# 558: [9L966_Q]
1311.6
-1261.
CHNL# 556: [954L_Q]
238.70
-344.2
CHNL# 554: [9L20_Q]
1318.6
-980.4
CHNL# 552: [398L_Q]
71.772
-103.9
BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
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6.0000
9.0000
12.000
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18.000
21.000
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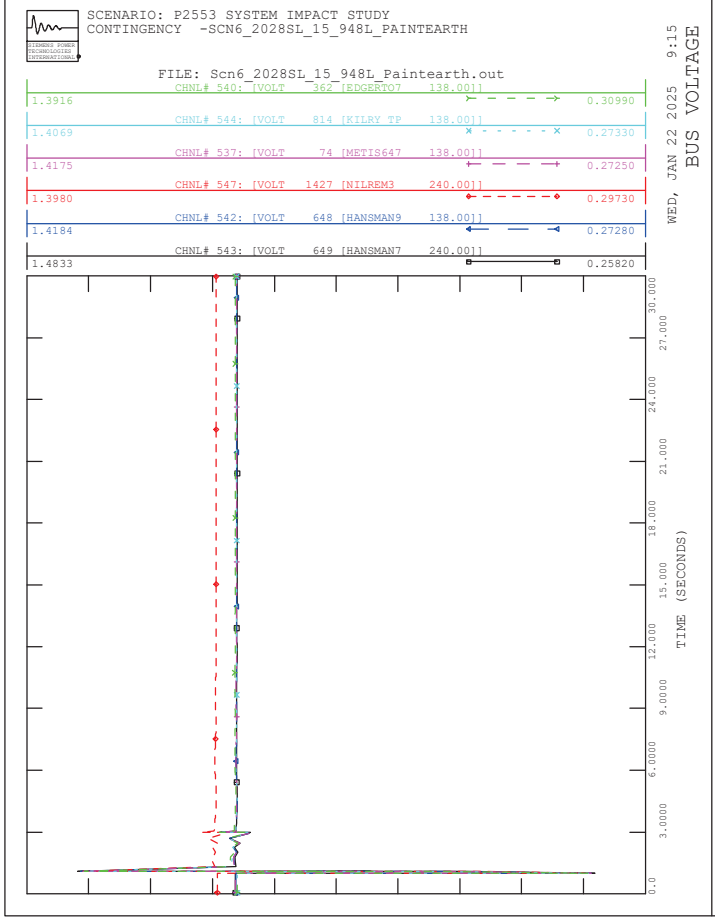
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_15_948L_PAINTEARTH
FILE: Scn6_2028SL_15_948L_Paintearth.out
CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.3916
0.30990
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.4069
0.27330
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.4175
0.27250
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.3980
0.29730
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.4184
0.27280
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.4833
0.25820
BUS VOLTAGE
WED, JAN 22 2025 9:15
TIME (SECONDS)
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3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
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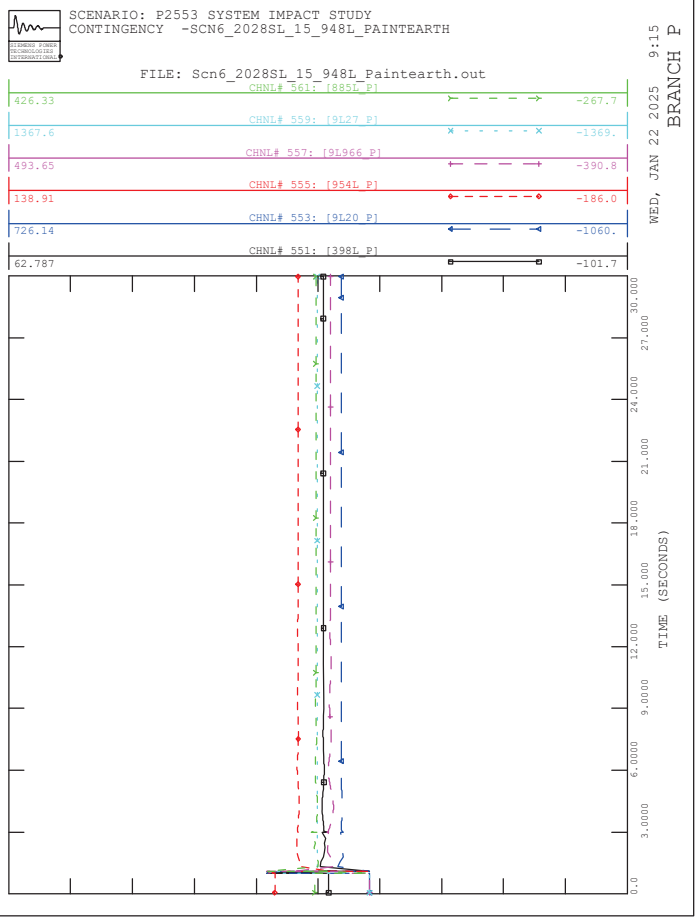
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_15_948L_PAINTEARTH
FILE: Scn6_2028SL_15_948L_Paintearth.out
CHNL# 561: [885L_P]
426.33
-267.7
CHNL# 559: [9L27_P]
1367.6
-1369.
CHNL# 557: [9L966_P]
493.65
-390.8
CHNL# 555: [954L_P]
138.91
-186.0
CHNL# 553: [9L20_P]
726.14
-1060.
CHNL# 551: [398L_P]
62.787
-101.7
BRANCH P
WED, JAN 22 2025 9:15
TIME (SECONDS)
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3.0000
6.0000
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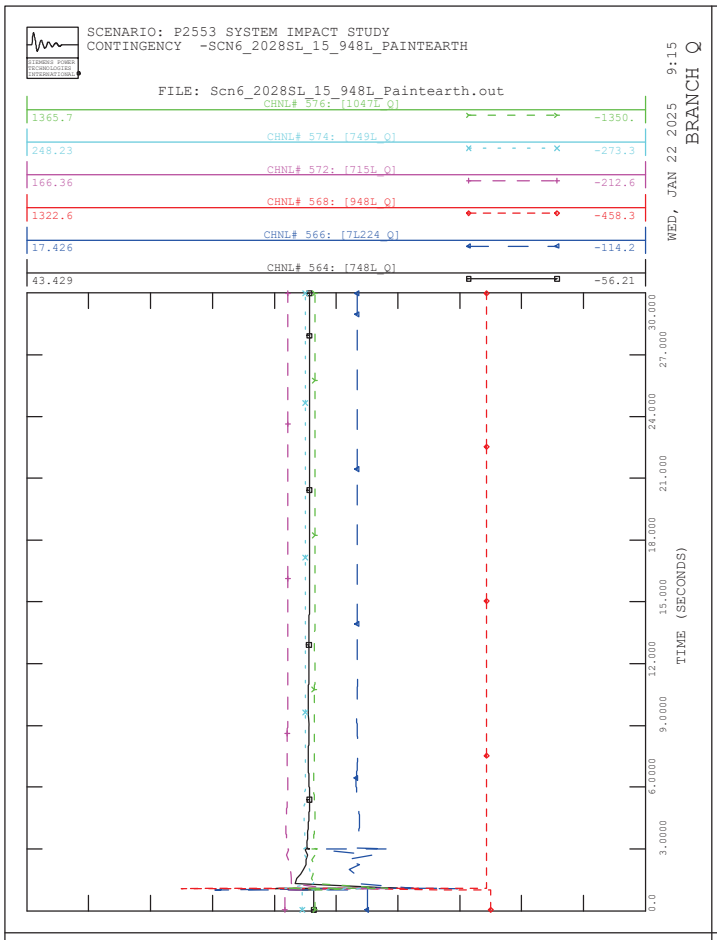
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_15_948L_PAINTEARTH
FILE: Scn6_2028SL_15_948L_Paintearth.out
CHNL# 576: [1047L Q]
1365.7
-1350.
CHNL# 574: [749L Q]
248.23
-273.3
CHNL# 572: [715L Q]
166.36
-212.6
CHNL# 568: [948L Q]
1322.6
-458.3
CHNL# 566: [7L224 Q]
17.426
-114.2
CHNL# 564: [748L Q]
43.429
-56.21
0.0
3.0000
6.0000
9.0000
12.000
15.000
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21.000
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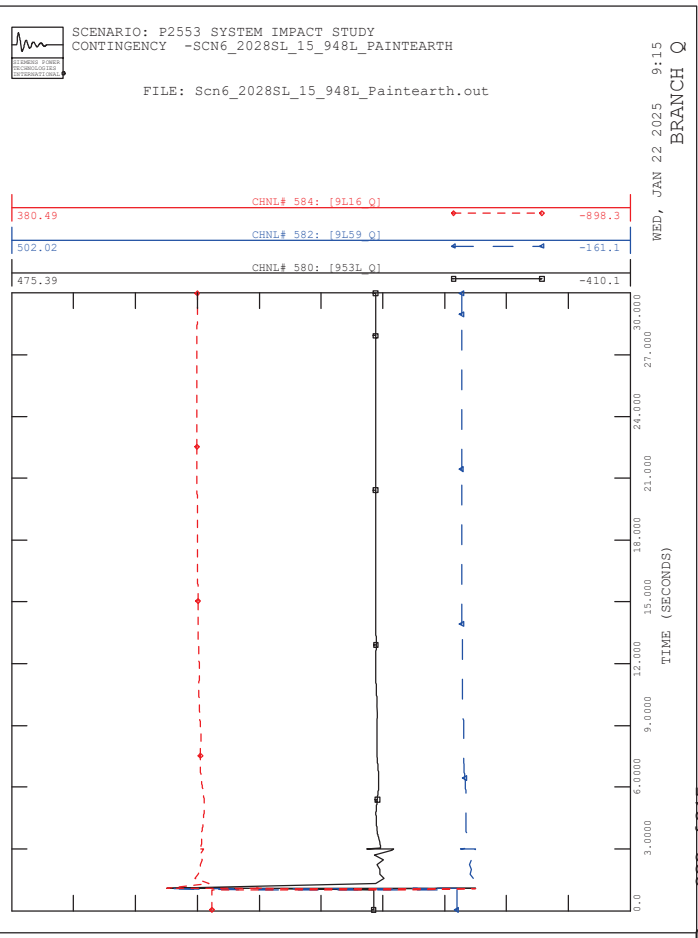
27.000
30.000
TIME (SECONDS)
WED, JAN 22 2025 9:15
BRANCH Q


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_15_948L_PAINTEARTH
FILE: Scn6_2028SL_15_948L_Paintearth.out
CHNL# 584: [9L16 Q]
380.49
-898.3
CHNL# 582: [9L59 Q]
502.02
-161.1
CHNL# 580: [953L Q]
475.39
-410.1
0.0
3.0000
6.0000
9.0000
12.000
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21.000
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27.000
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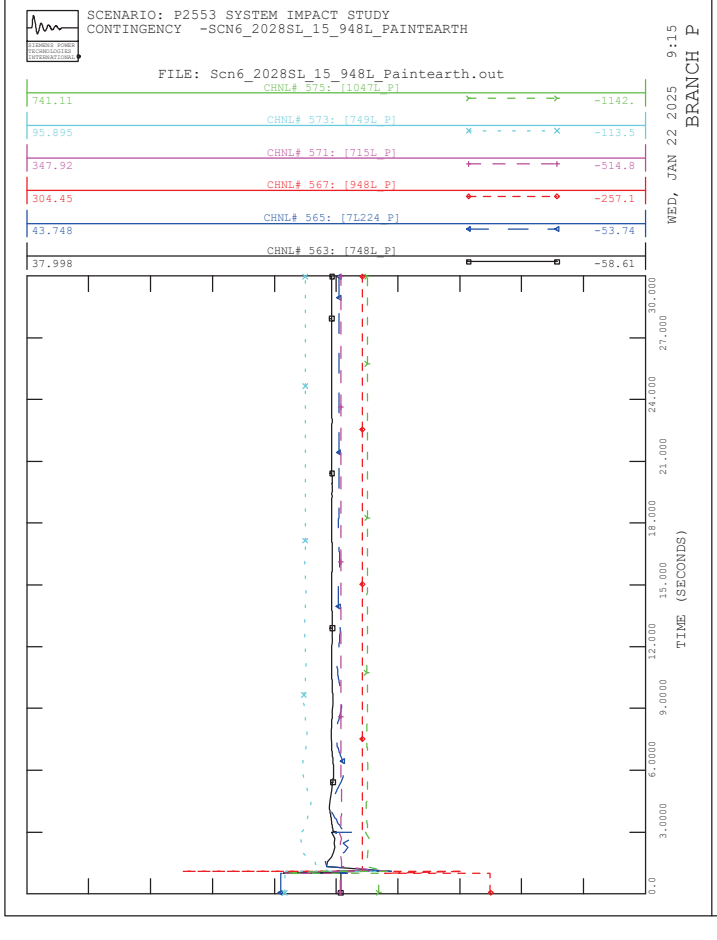
TIME (SECONDS)
WED, JAN 22 2025 9:15
BRANCH Q


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_15_948L_PAINTEARTH
FILE: Scn6_2028SL_15_948L_Paintearth.out
CHNL# 575: [1047L P]
741.11
-1142.
CHNL# 573: [749L P]
95.895
-113.5
CHNL# 571: [715L P]
347.92
-514.8
CHNL# 567: [948L P]
304.45
-257.1
CHNL# 565: [7L224 P]
43.748
-53.74
CHNL# 563: [748L P]
37.998
-58.61
0.0
3.0000
6.0000
9.0000
12.000
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27.000
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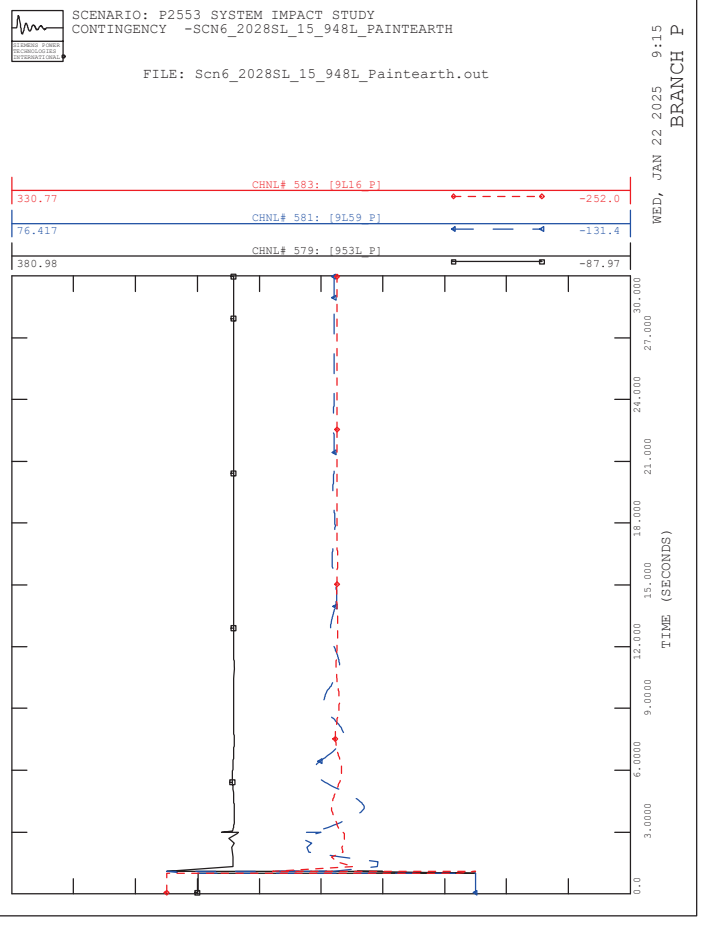
TIME (SECONDS)
WED, JAN 22 2025 9:15
BRANCH P


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_15_948L_PAINTEARTH
FILE: Scn6_2028SL_15_948L_Paintearth.out
CHNL# 583: [9L16 P]
330.77
-252.0
CHNL# 581: [9L59 P]
76.417
-131.4
CHNL# 579: [953L P]
380.98
-87.97
0.0
3.0000
6.0000
9.0000
12.000
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21.000
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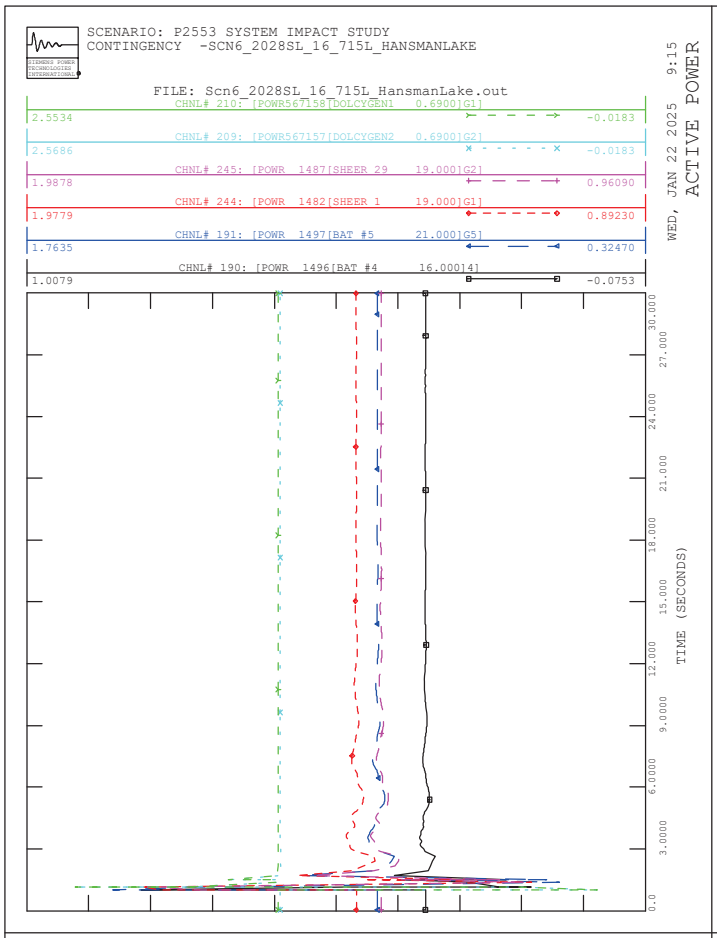
27.000
30.000
TIME (SECONDS)
WED, JAN 22 2025 9:15
BRANCH P


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_16_715L_HANSMANLAKE
FILE: Scn6_2028SL_16_715L_HansmanLake.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.5534
-0.0183
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.5686
-0.0183
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.9878
0.96090
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.9779
0.89230
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.7635
0.32470
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
1.0079
-0.0753
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
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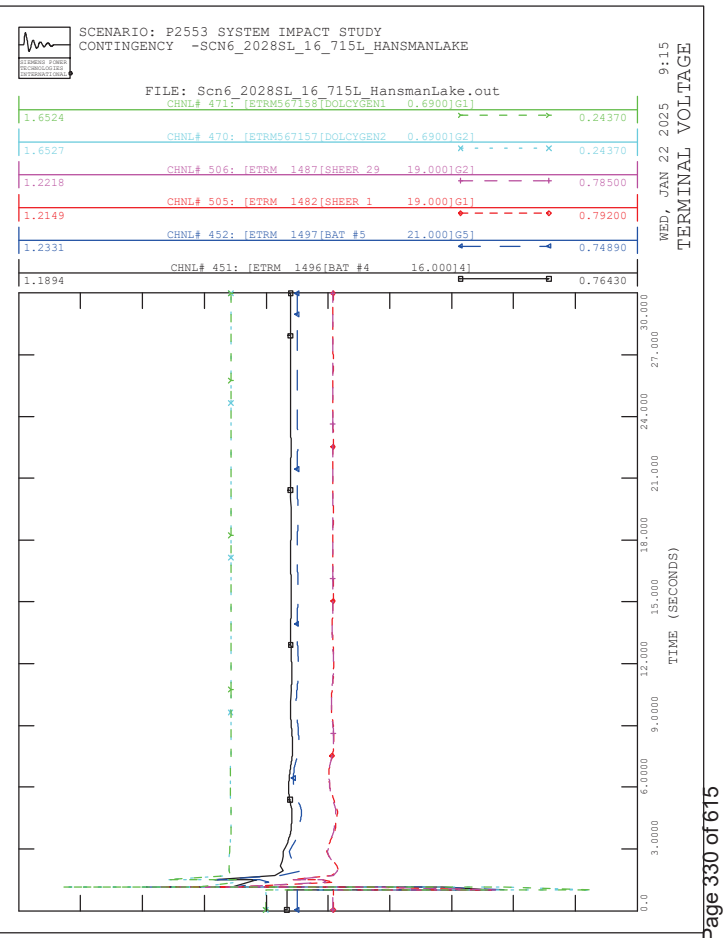
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_16_715L_HANSMANLAKE
FILE: Scn6_2028SL_16_715L_HansmanLake.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.6524
0.24370
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.6527
0.24370
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.2218
0.78500
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.2149
0.79200
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.2331
0.74890
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1894
0.76430
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
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3.0000
6.0000
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18.000
21.000
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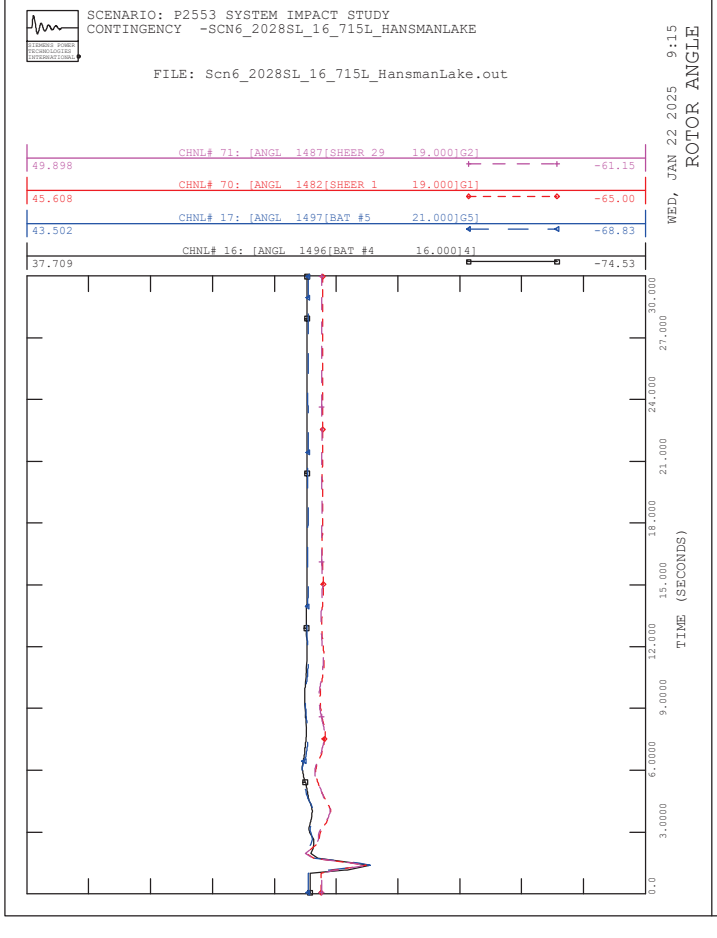
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_16_715L_HANSMANLAKE
FILE: Scn6_2028SL_16_715L_HansmanLake.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
49.898
-61.15
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
45.608
-65.00
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
43.502
-68.83
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
37.709
-74.53
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
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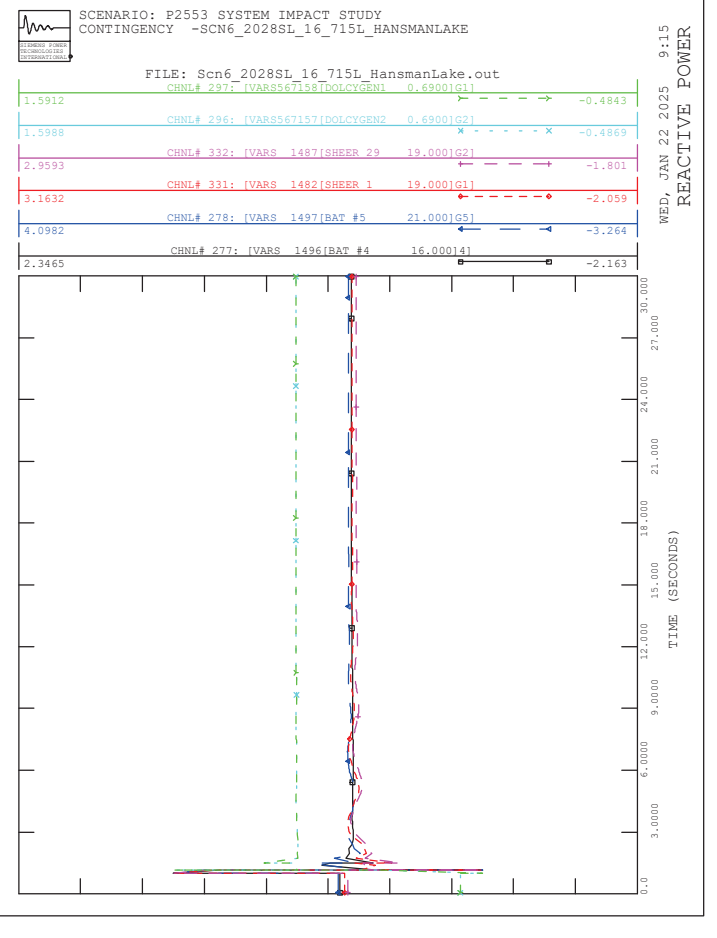
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_16_715L_HANSMANLAKE
FILE: Scn6_2028SL_16_715L_HansmanLake.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.5912
-0.4843
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.5988
-0.4869
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
2.9593
-1.801
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
3.1632
-2.059
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
4.0982
-3.264
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
2.3465
-2.163
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
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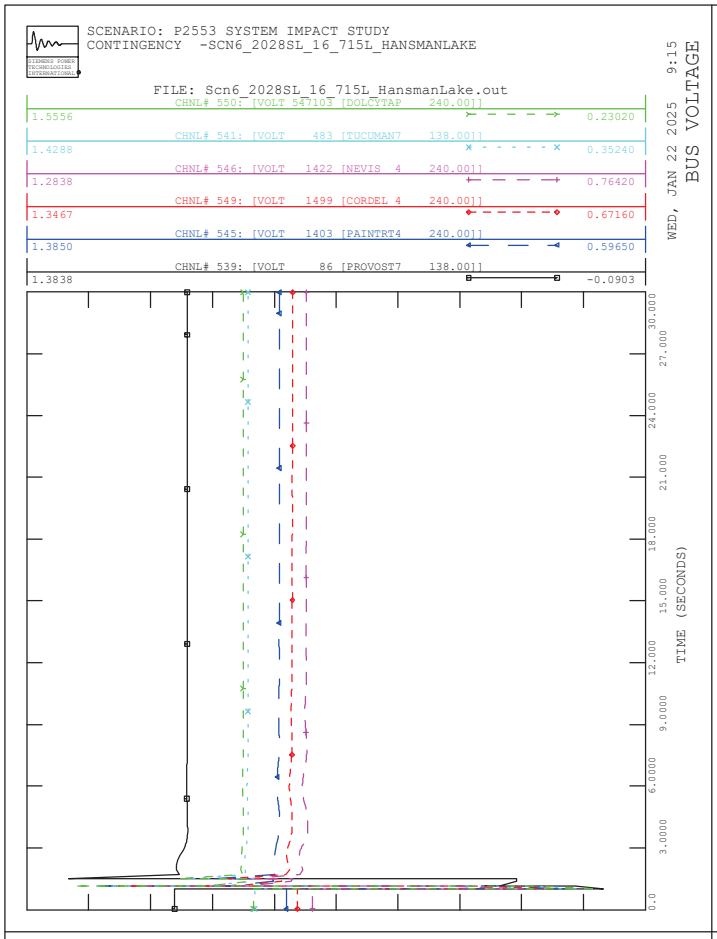
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_16_715L_HANSMANLAKE
FILE: Scn6_2028SL_16_715L_HansmanLake.out
CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.5556
0.23020
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.4288
0.35240
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.2838
0.76420
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.3467
0.67160
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.3850
0.59650
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.3838
-0.0903
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
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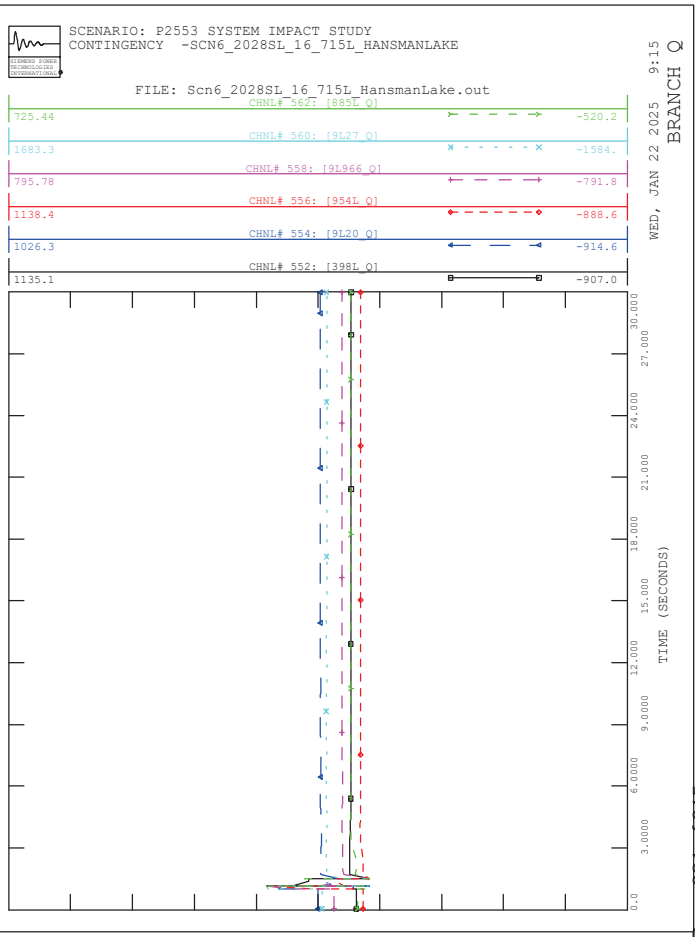
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_16_715L_HANSMANLAKE
FILE: Scn6_2028SL_16_715L_HansmanLake.out
CHNL# 562: [885L Q]
725.44
-520.2
CHNL# 560: [9L27 Q]
1683.3
-1584.
CHNL# 558: [9L966 Q]
795.78
-791.8
CHNL# 556: [954L Q]
1138.4
-888.6
CHNL# 554: [9L20 Q]
1026.3
-914.6
CHNL# 552: [398L Q]
1135.1
-907.0
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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12.000
15.000
18.000
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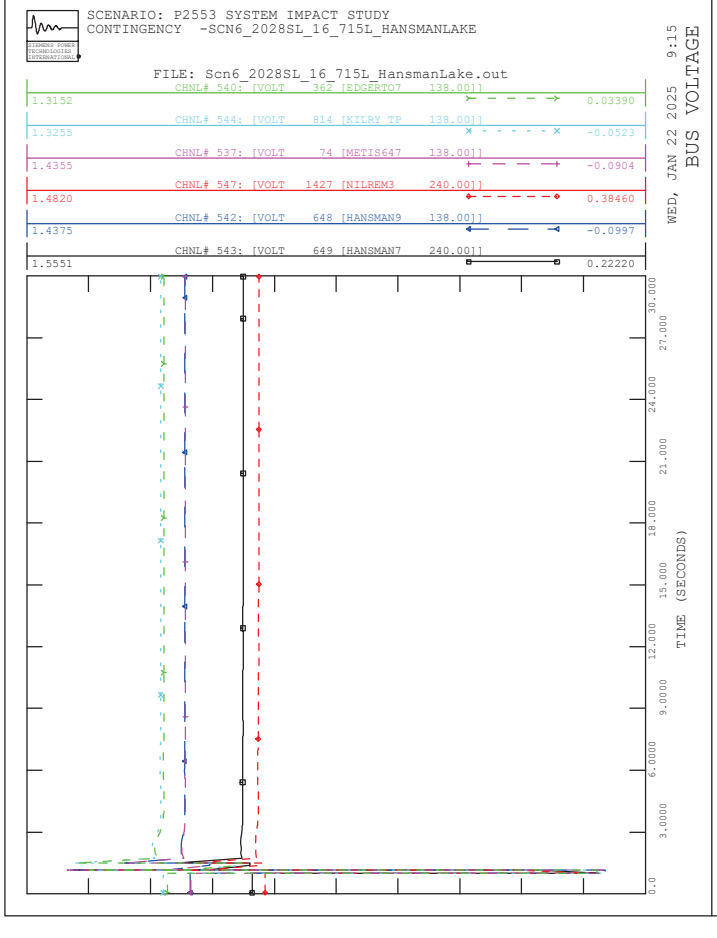
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_16_715L_HANSMANLAKE
FILE: Scn6_2028SL_16_715L_HansmanLake.out
CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.3152
0.03390
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.3255
-0.0523
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.4355
-0.0904
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.4820
0.38460
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.4375
-0.0997
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.5551
0.22220
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
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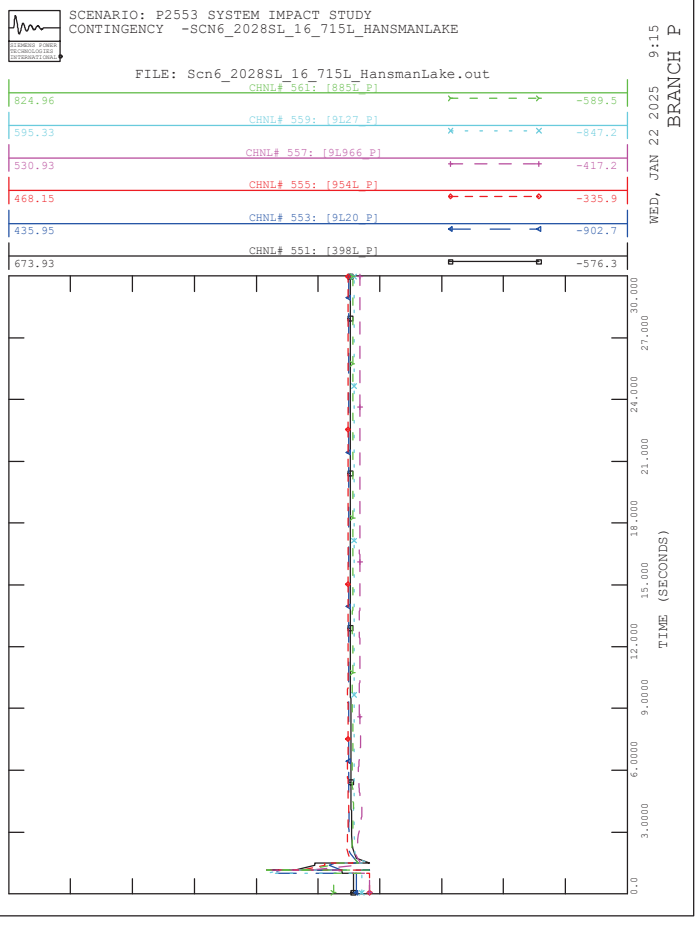
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_16_715L_HANSMANLAKE
FILE: Scn6_2028SL_16_715L_HansmanLake.out
CHNL# 561: [885L P]
824.96
-589.5
CHNL# 559: [9L27 P]
595.33
-847.2
CHNL# 557: [9L966 P]
530.93
-417.2
CHNL# 555: [954L P]
468.15
-335.9
CHNL# 553: [9L20 P]
435.95
-902.7
CHNL# 551: [398L P]
673.93
-576.3
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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3.0000
6.0000
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12.000
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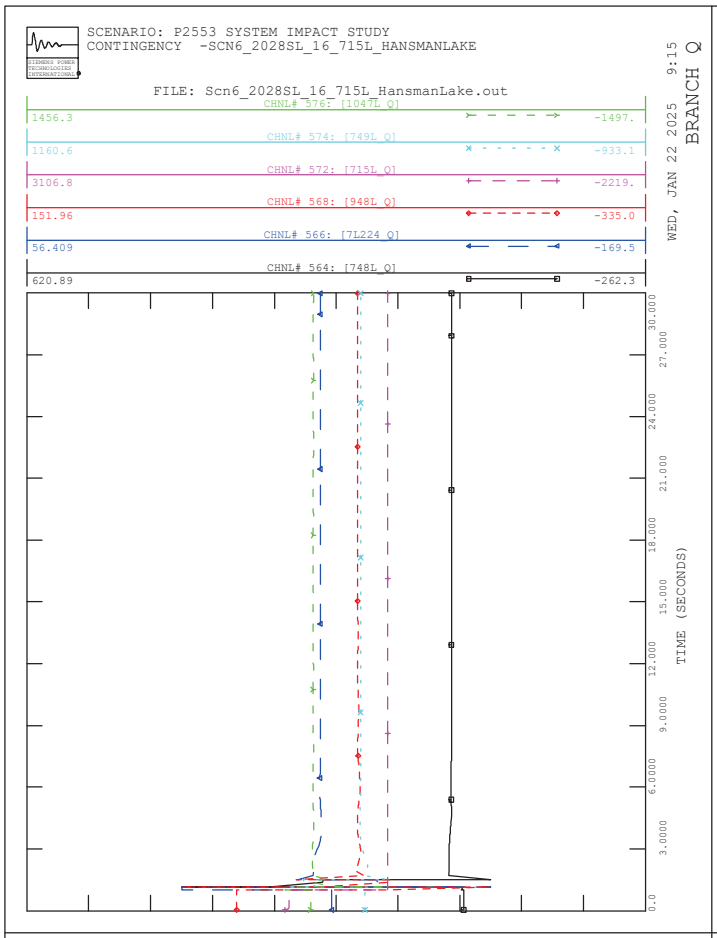
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_16_715L_HANSMANLAKE
FILE: Scn6_2028SL_16_715L_HansmanLake.out
CHNL# 576: [1047L Q]
1456.3
-1497.
CHNL# 574: [749L Q]
1160.6
-933.1
CHNL# 572: [715L Q]
3106.8
-2219.
CHNL# 568: [948L Q]
151.96
-335.0
CHNL# 566: [7L224 Q]
56.409
-169.5
CHNL# 564: [748L Q]
620.89
-262.3
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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6.0000
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12.000
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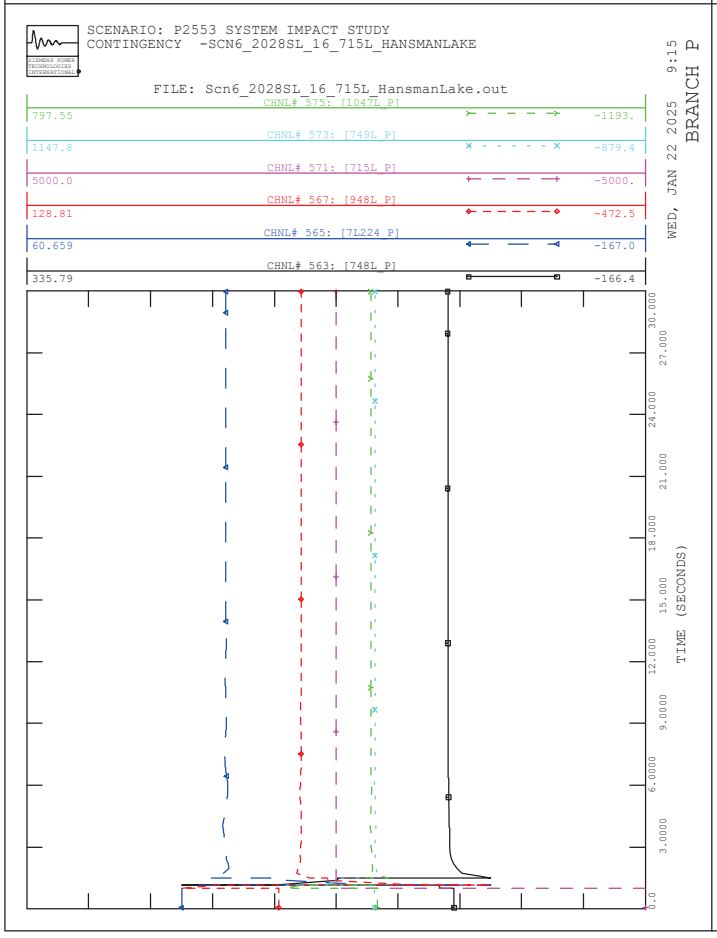
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_16_715L_HANSMANLAKE
FILE: Scn6_2028SL_16_715L_HansmanLake.out
CHNL# 575: [1047L P]
797.55
-1193.
CHNL# 573: [749L P]
1147.8
-879.4
CHNL# 571: [715L P]
5000.0
-5000.
CHNL# 567: [948L P]
128.81
-472.5
CHNL# 565: [7L224 P]
60.659
-167.0
CHNL# 563: [748L P]
335.79
-166.4
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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12.000
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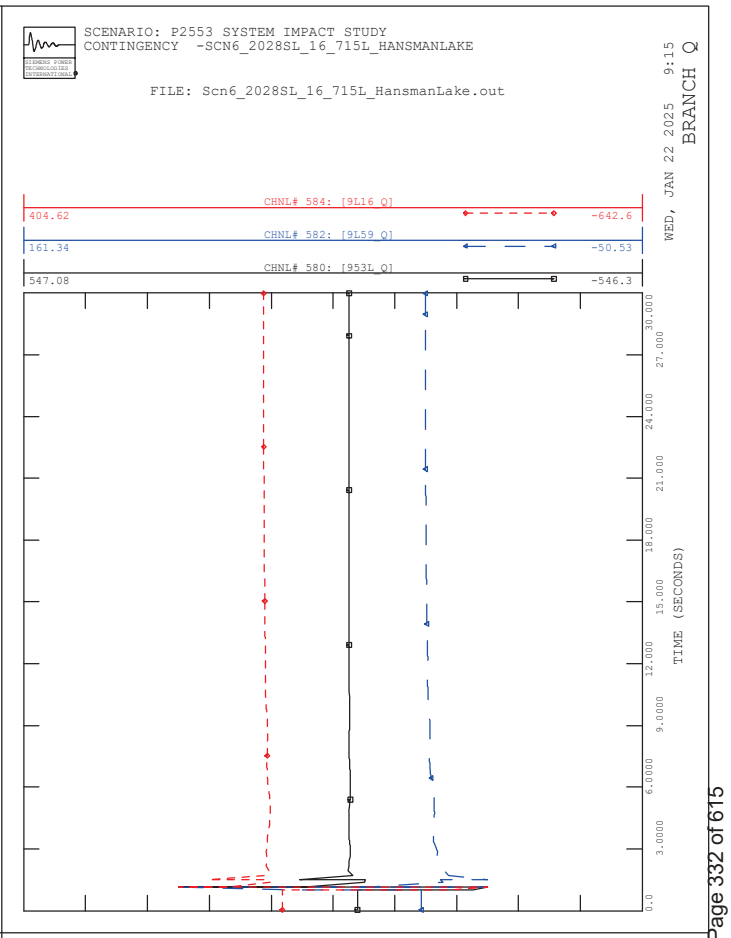
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_16_715L_HANSMANLAKE
FILE: Scn6_2028SL_16_715L_HansmanLake.out
CHNL# 584: [9L16 Q]
404.62
-642.6
CHNL# 582: [9L59 Q]
161.34
-50.53
CHNL# 580: [953L Q]
547.08
-546.3
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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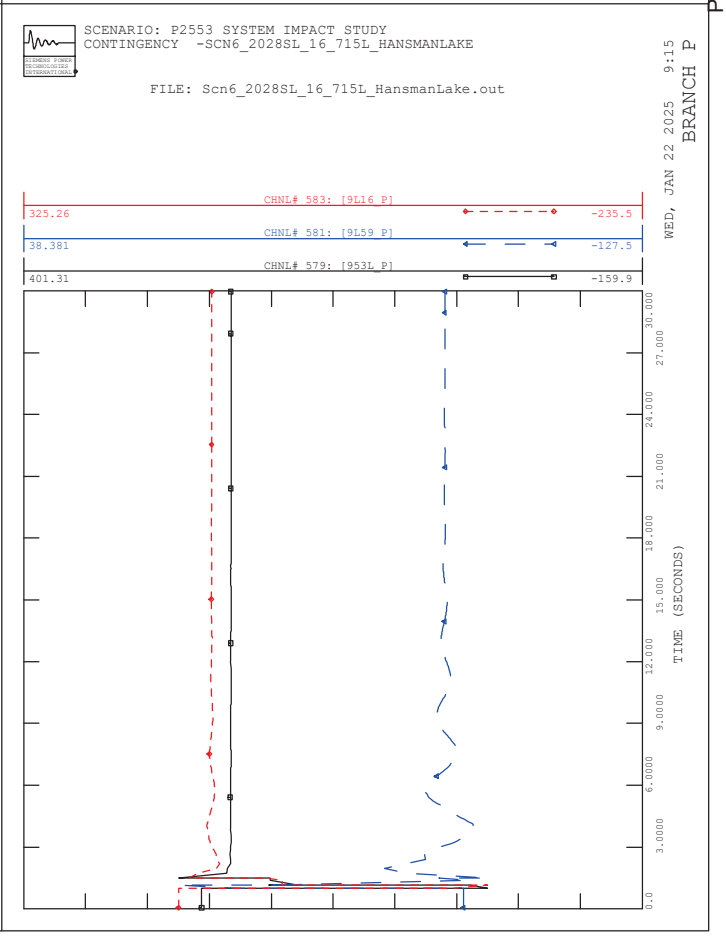
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_16_715L_HANSMANLAKE
FILE: Scn6_2028SL_16_715L_HansmanLake.out
CHNL# 583: [9L16 P]
325.26
-235.5
CHNL# 581: [9L59 P]
38.381
-127.5
CHNL# 579: [953L P]
401.31
-159.9
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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12.000
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18.000
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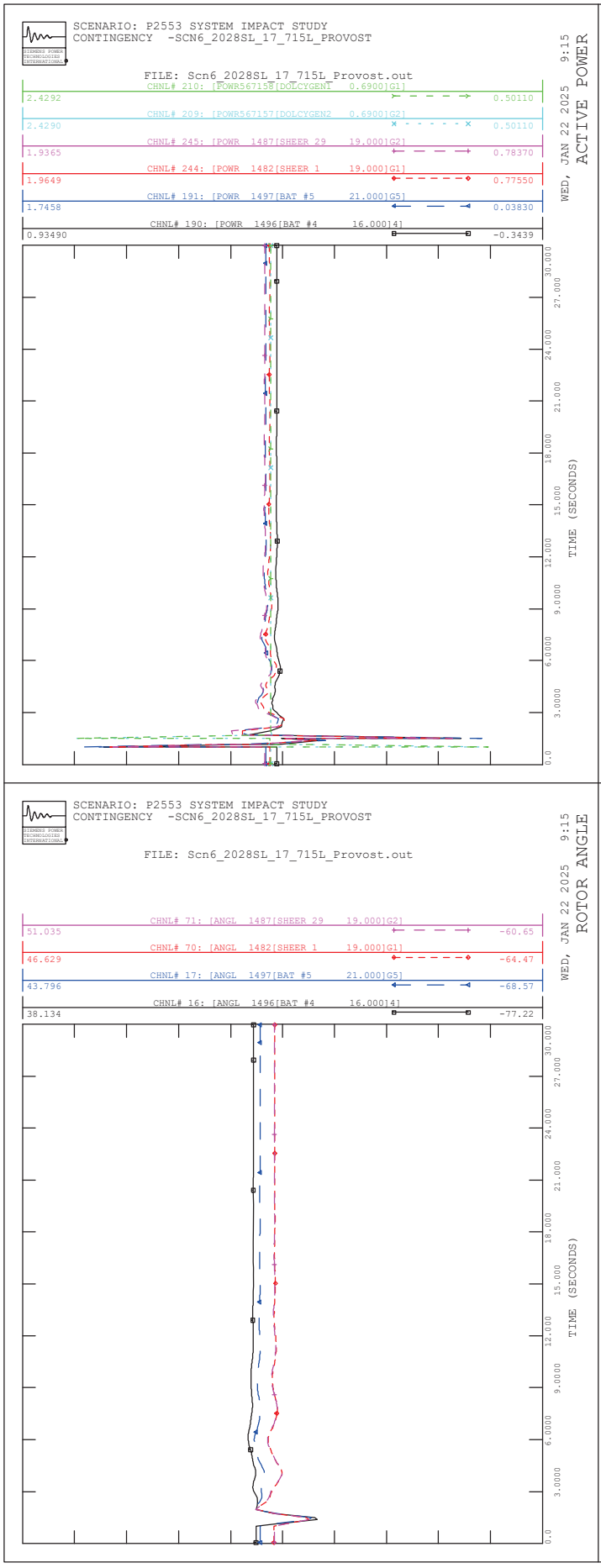
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_17_715L_PROVOST
FILE: Scn6_2028SL_17_715L_Provost.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.4292
0.50110
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.4290
0.50110
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.9365
0.78370
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.9649
0.77550
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.7458
0.03830
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.93490
-0.3439
0.0
3.0000
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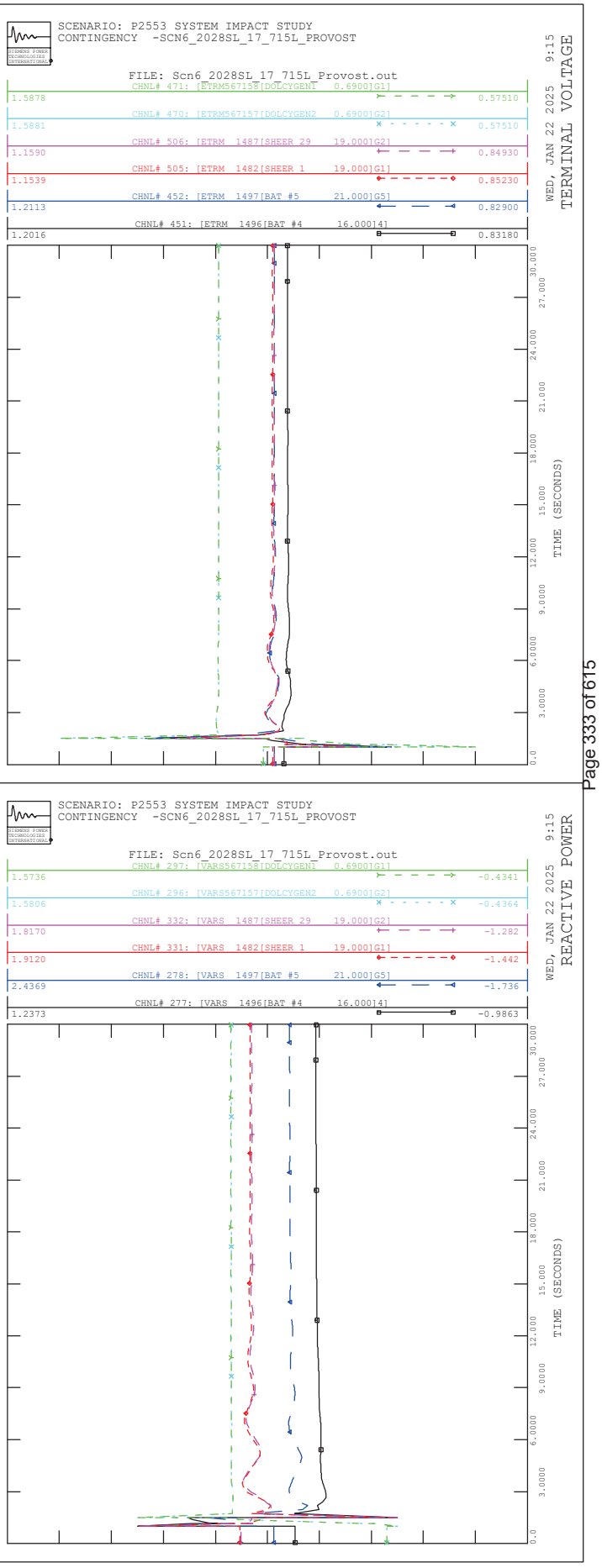
TIME (SECONDS)
WED, JAN 22 2025 9:15
ACTIVE POWER


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_17_715L_PROVOST
FILE: Scn6_2028SL_17_715L_Provost.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
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0.57510
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.5881
0.57510
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1590
0.84930
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1539
0.85230
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.2113
0.82900
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.2016
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18.000
21.000
24.000
27.000
30.000
TIME (SECONDS)
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_17_715L_PROVOST
FILE: Scn6_2028SL_17_715L_Provost.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
51.035
-60.65
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
46.629
-64.47
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
43.796
-68.57
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
38.134
-77.22
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000
TIME (SECONDS)
WED, JAN 22 2025 9:15
ROTOR ANGLE

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_17_715L_PROVOST
FILE: Scn6_2028SL_17_715L_Provost.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.5736
-0.4341
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.5806
-0.4364
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
1.8170
-1.282
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
1.9120
-1.442
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
2.4369
-1.736
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
1.2373
-0.9863
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3.0000
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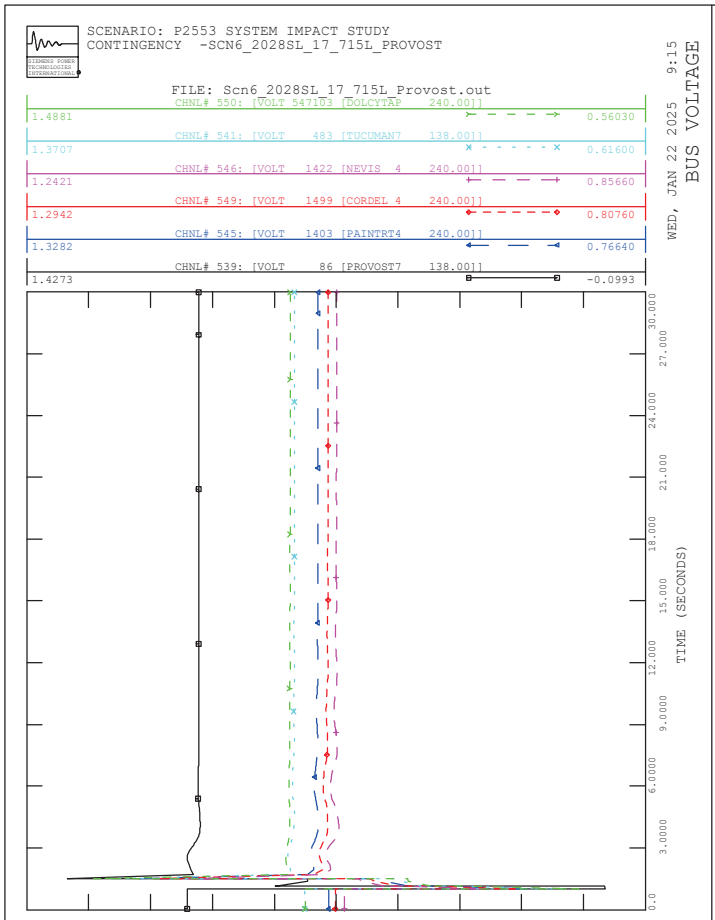
TIME (SECONDS)
WED, JAN 22 2025 9:15
REACTIVE POWER


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_17_715L_PROVOST
FILE: Scn6_2028SL_17_715L_Provost.out
CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.4881
0.56030
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.3707
0.61600
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.2421
0.85660
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2942
0.80760
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.3282
0.76640
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.4273
-0.0993
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3.0000
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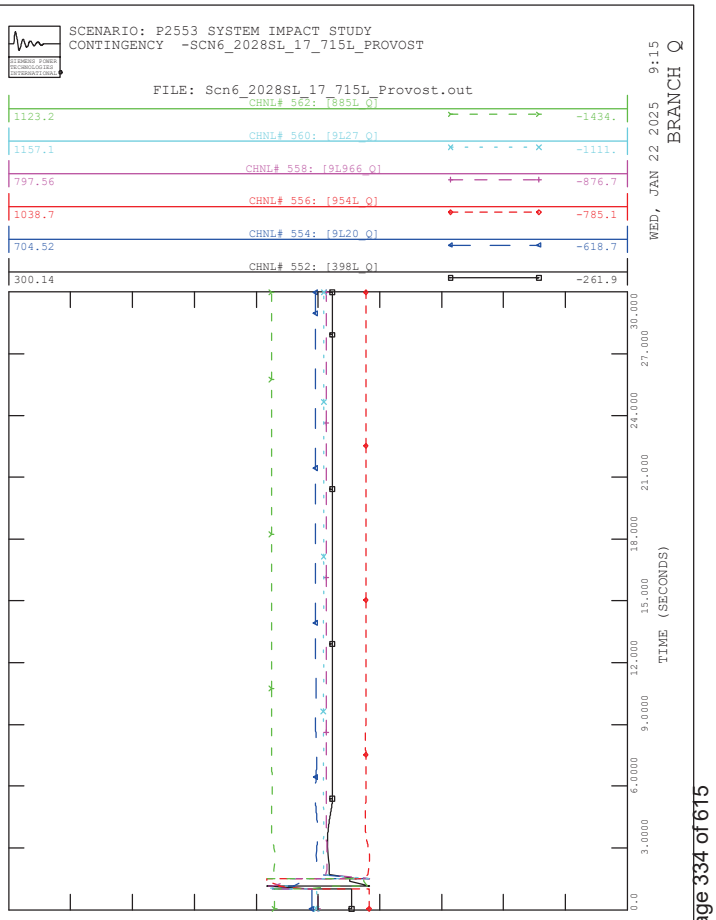
TIME (SECONDS)
WED, JAN 22 2025 9:15
BUS VOLTAGE


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_17_715L_PROVOST
FILE: Scn6_2028SL_17_715L_Provost.out
CHNL# 562: [885L Q]
1123.2
-1434.
CHNL# 560: [9L27 Q]
1157.1
-1111.
CHNL# 558: [9L966 Q]
797.56
-876.7
CHNL# 556: [954L Q]
1038.7
-785.1
CHNL# 554: [9L20 Q]
704.52
-618.7
CHNL# 552: [398L Q]
300.14
-261.9
0.0
3.0000
6.0000
9.0000
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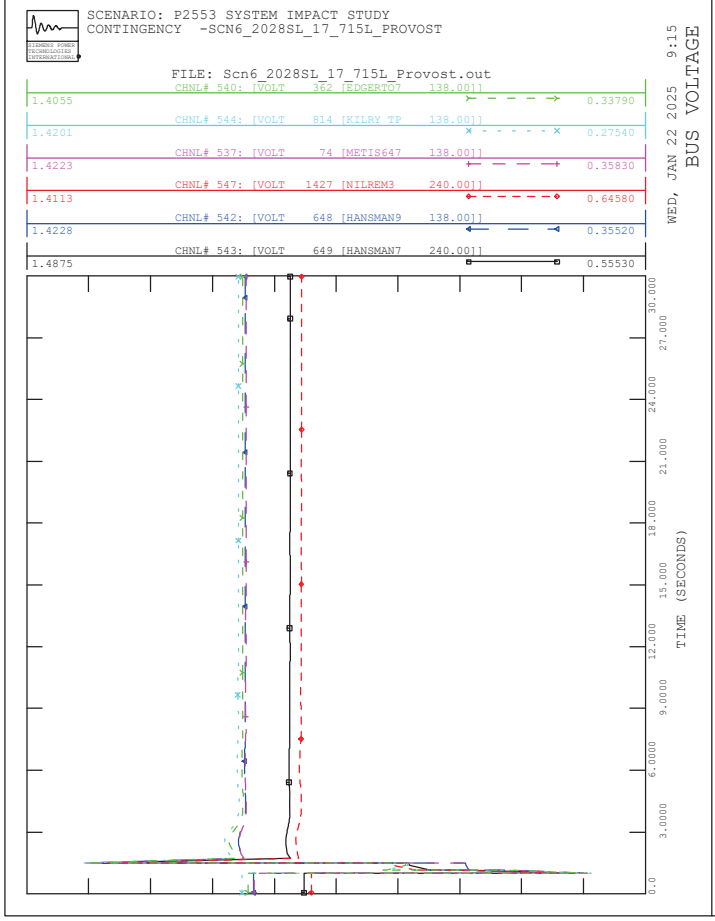
TIME (SECONDS)
WED, JAN 22 2025 9:15
BRANCH Q


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_17_715L_PROVOST
FILE: Scn6_2028SL_17_715L_Provost.out
CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.4055
0.33790
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.4201
0.27540
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.4223
0.35830
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.4113
0.64580
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.4228
0.35520
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.4875
0.55530
0.0
3.0000
6.0000
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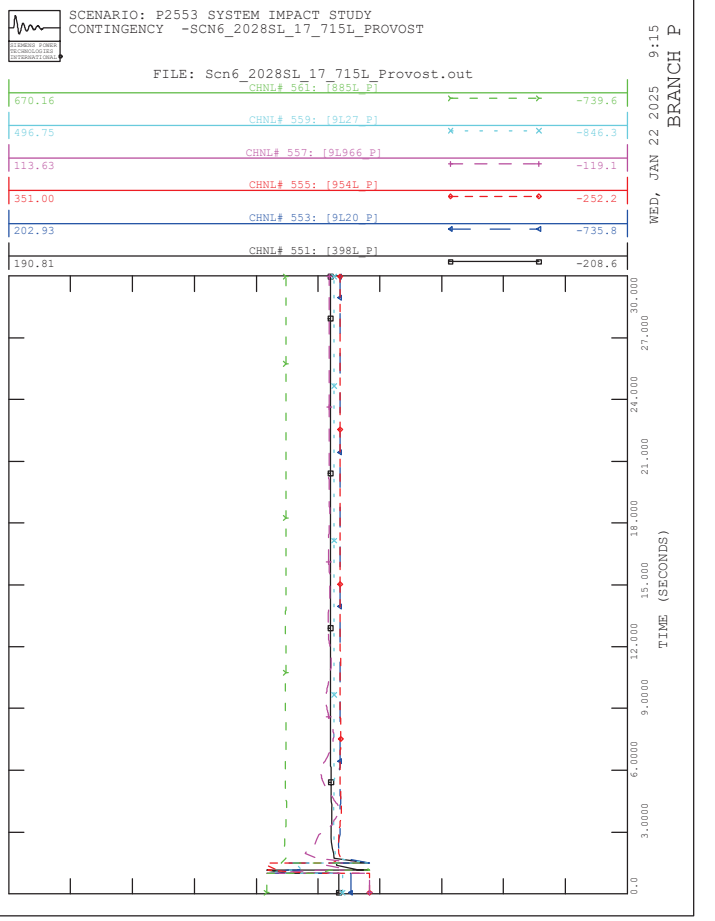
15.000
18.000
21.000
24.000
27.000
30.000
TIME (SECONDS)
WED, JAN 22 2025 9:15
BUS VOLTAGE


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_17_715L_PROVOST
FILE: Scn6_2028SL_17_715L_Provost.out
CHNL# 561: [885L P]
670.16
-739.6
CHNL# 559: [9L27 P]
496.75
-846.3
CHNL# 557: [9L966 P]
113.63
-119.1
CHNL# 555: [954L P]
351.00
-252.2
CHNL# 553: [9L20 P]
202.93
-735.8
CHNL# 551: [398L P]
190.81
-208.6
0.0
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30.000
TIME (SECONDS)
WED, JAN 22 2025 9:15
BRANCH P

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_17_715L_PROVOST

FILE: Scn6_2028SL_17_715L_Provost.out

WED, JAN 22 2025 9:15

BRANCH Q

CHNL# 576: [1047L Q]
1151.5 -1059.
CHNL# 574: [749L Q]
493.86 -541.9
CHNL# 572: [715L Q]
2333.9 -1667.
CHNL# 568: [948L Q]
102.47 -308.6
CHNL# 566: [7L224 Q]
-6.369 -156.1
CHNL# 564: [748L Q]
165.04 -83.04

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_17_715L_PROVOST

FILE: Scn6_2028SL_17_715L_Provost.out

WED, JAN 22 2025 9:15

BRANCH Q

CHNL# 584: [9L16 Q]
350.88 -421.8
CHNL# 582: [9L59 Q]
107.40 -49.22
CHNL# 580: [953L Q]
402.41 -439.9

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_17_715L_PROVOST

FILE: Scn6_2028SL_17_715L_Provost.out

WED, JAN 22 2025 9:15

BRANCH P

CHNL# 575: [1047L P]
681.81 -1241.
CHNL# 573: [749L P]
326.55 -317.9
CHNL# 571: [715L P]
1300.3 -1081.
CHNL# 567: [948L P]
-47.37 -264.4
CHNL# 565: [7L224 P]
43.733 -111.0
CHNL# 563: [748L P]
82.982 -72.66

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_17_715L_PROVOST

FILE: Scn6_2028SL_17_715L_Provost.out

WED, JAN 22 2025 9:15

BRANCH P

CHNL# 583: [9L16 P]
283.28 -97.83
CHNL# 581: [9L59 P]
6.6706 -135.4
CHNL# 579: [953L P]
453.83 -107.0

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_18_9L666_HANSMANLAKE

FILE: Scn6_2028SL_18_9L666_HansmanLake.out

WED, JAN 22 2025 9:15

ACTIVE POWER

CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
1.9430 -0.1987

CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
1.9569 -0.1987

CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
2.1427 0.92180

CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
2.0461 0.88800

CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
2.1965 0.37180

CHNL# 190: [POWR 1496[BAT #4 16.000]4]
1.0325 -0.1431

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_18_9L666_HANSMANLAKE

FILE: Scn6_2028SL_18_9L666_HansmanLake.out

WED, JAN 22 2025 9:15

TERMINAL VOLTAGE

CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.7761 -0.0704

CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.7767 -0.0704

CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1917 0.73800

CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1851 0.74800

CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.2085 0.68840

CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1612 0.71830

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_18_9L666_HANSMANLAKE

FILE: Scn6_2028SL_18_9L666_HansmanLake.out

WED, JAN 22 2025 9:15

ROTOR ANGLE

CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
49.345 -57.23

CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
45.036 -61.09

CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
43.338 -63.52

CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
37.245 -70.75

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_18_9L666_HANSMANLAKE

FILE: Scn6_2028SL_18_9L666_HansmanLake.out

WED, JAN 22 2025 9:15

REACTIVE POWER

CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
3.2248 -1.071

CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
3.2416 -1.077

CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
3.4554 -1.473

CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
3.7292 -1.768

CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
5.0427 -4.010

CHNL# 277: [VARS 1496[BAT #4 16.000]4]
2.9002 -2.608

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_18_9L666_HANSMANLAKE

FILE: Scn6_2028SL_18_9L666_HansmanLake.out

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]] 1.6054 -0.0826
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]] 1.4482 0.21150
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]] 1.2704 0.69600
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]] 1.3369 0.56980
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]] 1.3862 0.45920
CHNL# 539: [VOLT 86 [PROVOST7 138.00]] 1.4858 -0.0081

WED, JAN 22 2025 9:15
BUS VOLTAGE

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_18_9L666_HANSMANLAKE

FILE: Scn6_2028SL_18_9L666_HansmanLake.out

CHNL# 562: [885L_Q] 1090.0 -1227.
CHNL# 560: [9L27_Q] 2366.7 -2229.
CHNL# 558: [9L966_Q] 5000.0 -5000.
CHNL# 556: [954L_Q] 919.40 -776.8
CHNL# 554: [9L20_Q] 1210.1 -1082.
CHNL# 552: [398L_Q] 145.99 -196.1

WED, JAN 22 2025 9:15
BRANCH Q

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_18_9L666_HANSMANLAKE

FILE: Scn6_2028SL_18_9L666_HansmanLake.out

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]] 1.4503 0.07540
CHNL# 544: [VOLT 814 [KILRY TP 138.00]] 1.4629 0.00510
CHNL# 537: [VOLT 74 [METIS647 138.00]] 1.4380 -0.0122
CHNL# 547: [VOLT 1427 [NILREM3 240.00]] 1.5103 0.19790
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]] 1.4358 -0.0126
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]] 1.6035 -0.0943

WED, JAN 22 2025 9:15
BUS VOLTAGE

TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_18_9L666_HANSMANLAKE

FILE: Scn6_2028SL_18_9L666_HansmanLake.out

CHNL# 561: [885L_P] 489.00 -345.5
CHNL# 559: [9L27_P] 825.24 -992.1
CHNL# 557: [9L966_P] 5000.0 -5000.
CHNL# 555: [954L_P] 239.68 -191.1
CHNL# 553: [9L20_P] 560.87 -960.4
CHNL# 551: [398L_P] 123.93 -175.1

WED, JAN 22 2025 9:15
BRANCH P

TIME (SECONDS)
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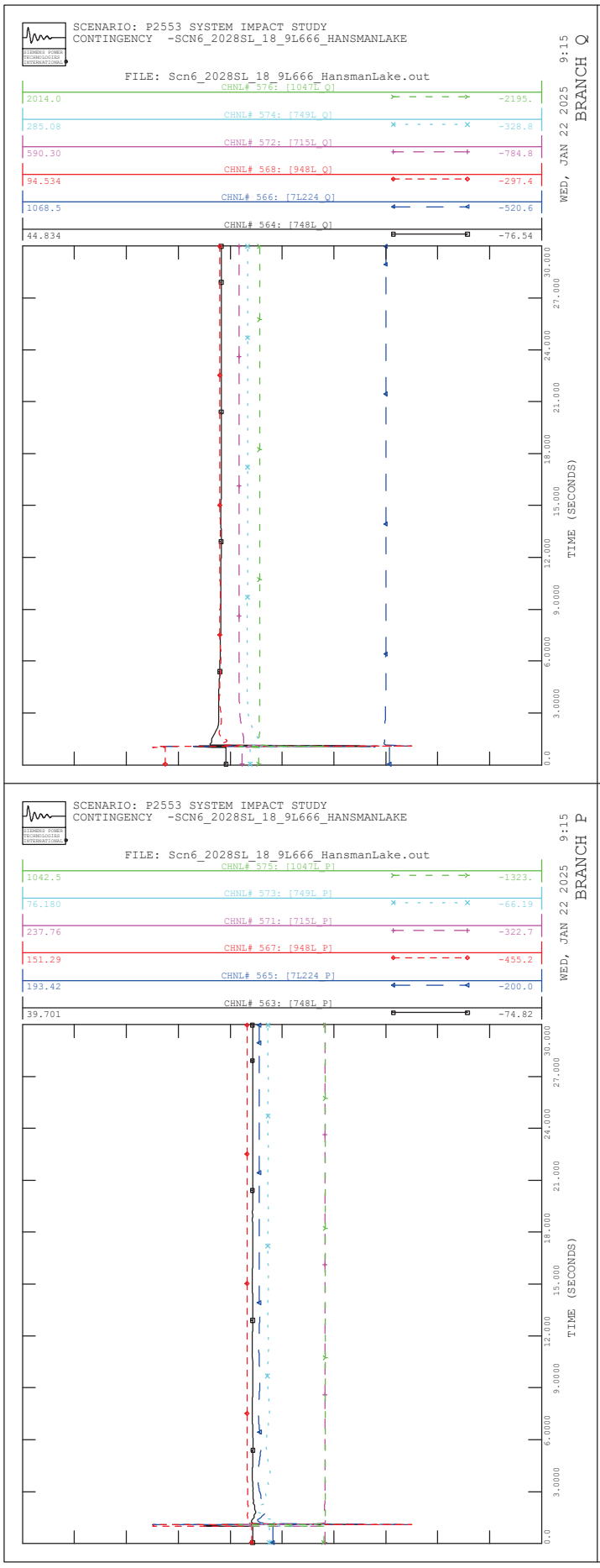
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CONTINGENCY -SCN6_2028SL_18_9L666_HANSMANLAKE
FILE: Scn6_2028SL_18_9L666_HansmanLake.out
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CHNL# 574: [749L Q]
285.08
-328.8
CHNL# 572: [715L Q]
590.30
-784.8
CHNL# 568: [948L Q]
94.534
-297.4
CHNL# 566: [7L224 Q]
1068.5
-520.6
CHNL# 564: [748L Q]
44.834
-76.54
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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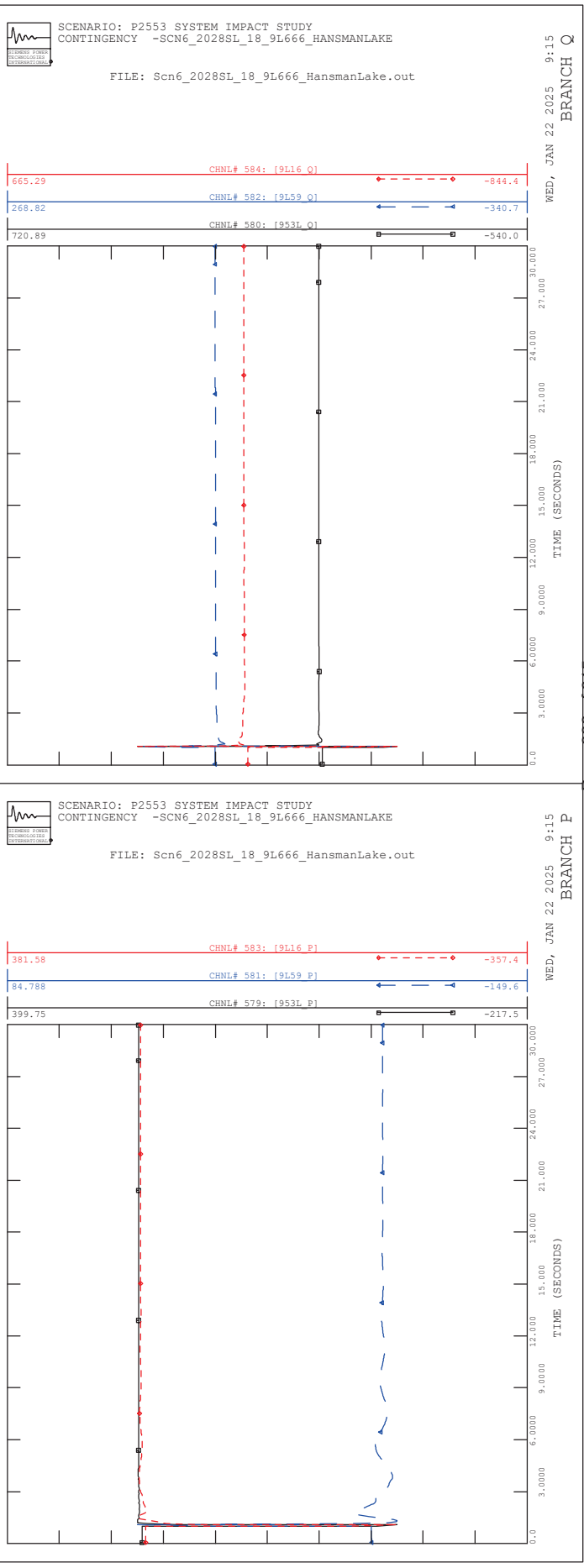
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CONTINGENCY -SCN6_2028SL_18_9L666_HANSMANLAKE
FILE: Scn6_2028SL_18_9L666_HansmanLake.out
CHNL# 584: [9L16 Q]
665.29
-844.4
CHNL# 582: [9L59 Q]
268.82
-340.7
CHNL# 580: [953L Q]
720.89
-540.0
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_18_9L666_HANSMANLAKE
FILE: Scn6_2028SL_18_9L666_HansmanLake.out
CHNL# 575: [1047L P]
1042.5
-1323.
CHNL# 573: [749L P]
76.180
-66.19
CHNL# 571: [715L P]
237.76
-322.7
CHNL# 567: [948L P]
151.29
-455.2
CHNL# 565: [7L224 P]
193.42
-200.0
CHNL# 563: [748L P]
39.701
-74.82
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_18_9L666_HANSMANLAKE
FILE: Scn6_2028SL_18_9L666_HansmanLake.out
CHNL# 583: [9L16 P]
381.58
-357.4
CHNL# 581: [9L59 P]
84.788
-149.6
CHNL# 579: [953L P]
399.75
-217.5
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_19_9L666_PEMUKAN

FILE: Scn6_2028SL_19_9L666_Pemukan.out

CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1] 2.5981 -0.0302
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2] 2.6133 -0.0302
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2] 2.0293 0.94180
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1] 1.9779 0.92420
CHNL# 191: [POWR 1497[BAT #5 21.000]G5] 1.8180 0.45000
CHNL# 190: [POWR 1496[BAT #4 16.000]4] 1.0205 -0.1698

WED, JAN 22 2025 9:15
ACTIVE POWER

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_19_9L666_PEMUKAN

FILE: Scn6_2028SL_19_9L666_Pemukan.out

CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1] 1.6539 0.23220
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2] 1.6541 0.23220
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2] 1.1833 0.72960
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1] 1.1787 0.74000
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5] 1.2134 0.74210
CHNL# 451: [ETRM 1496[BAT #4 16.000]4] 1.1788 0.76420

WED, JAN 22 2025 9:15
TERMINAL VOLTAGE

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_19_9L666_PEMUKAN

FILE: Scn6_2028SL_19_9L666_Pemukan.out

CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2] 48.935 -56.80
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1] 44.668 -60.70
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5] 43.321 -62.62
CHNL# 16: [ANGL 1496[BAT #4 16.000]4] 37.109 -69.57

WED, JAN 22 2025 9:15
ROTOR ANGLE

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_19_9L666_PEMUKAN

FILE: Scn6_2028SL_19_9L666_Pemukan.out

CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1] 1.4324 -0.4666
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2] 1.4366 -0.4666
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2] 3.4898 -1.300
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1] 3.7776 -1.604
CHNL# 278: [VARS 1497[BAT #5 21.000]G5] 4.1271 -3.122
CHNL# 277: [VARS 1496[BAT #4 16.000]4] 2.2887 -1.990

WED, JAN 22 2025 9:15
REACTIVE POWER

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_19_9L666_PEMUKAN

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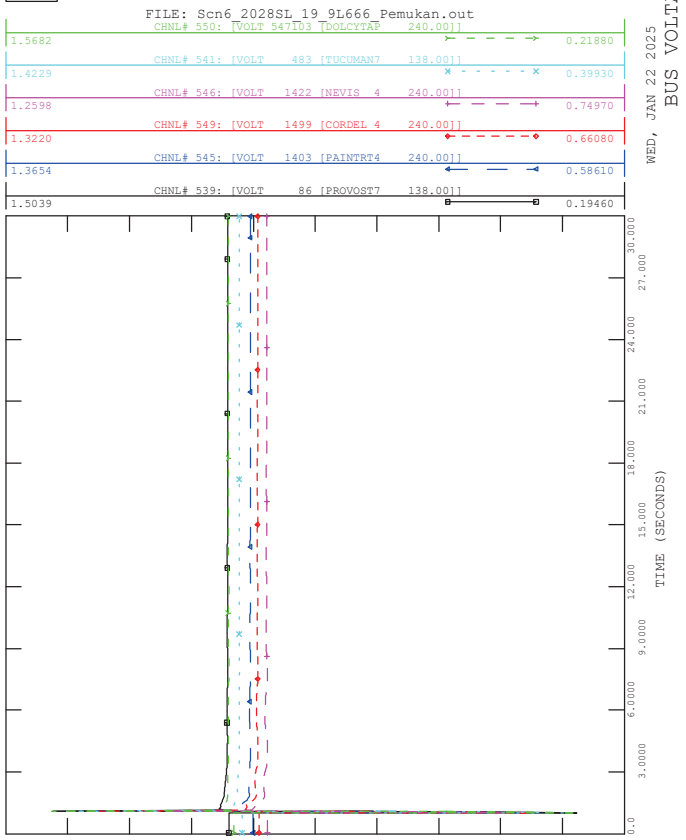
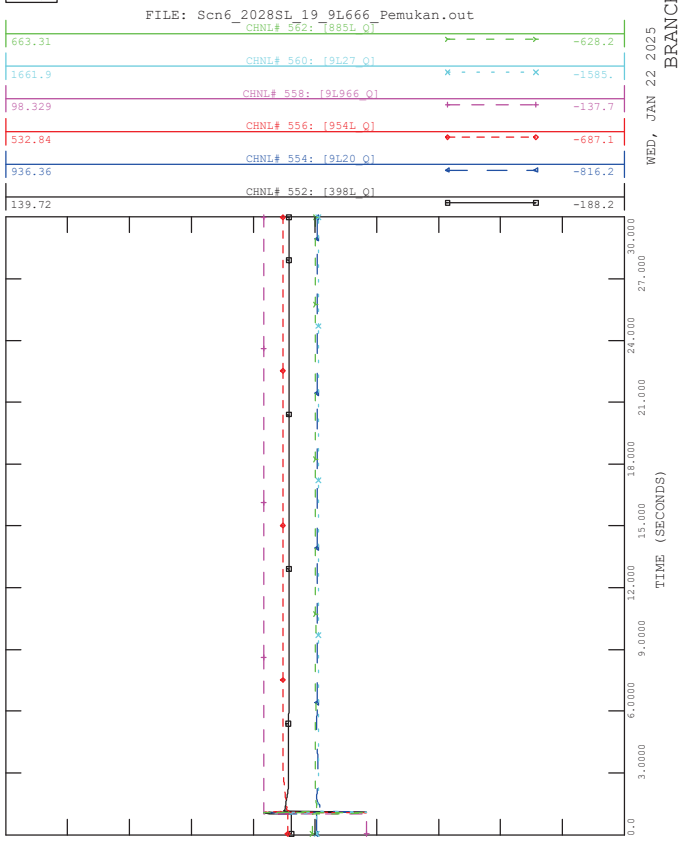


WED, JAN 22 2025 9:15
BUS VOLTAGE

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_19_9L666_PEMUKAN

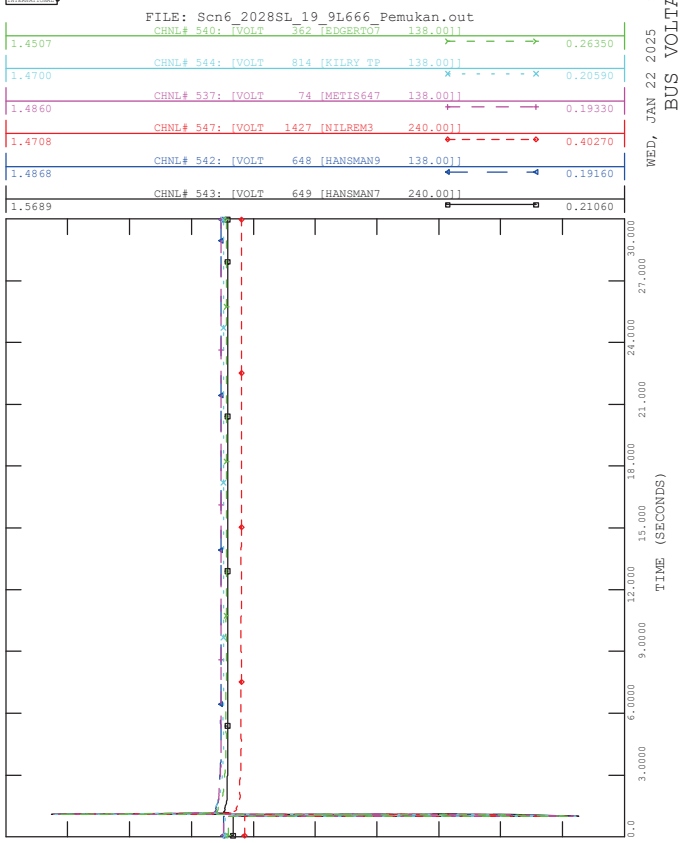
FILE: Scn6_2028SL_19_9L666_Pemukan.out



WED, JAN 22 2025 9:15
BRANCH Q

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_19_9L666_PEMUKAN

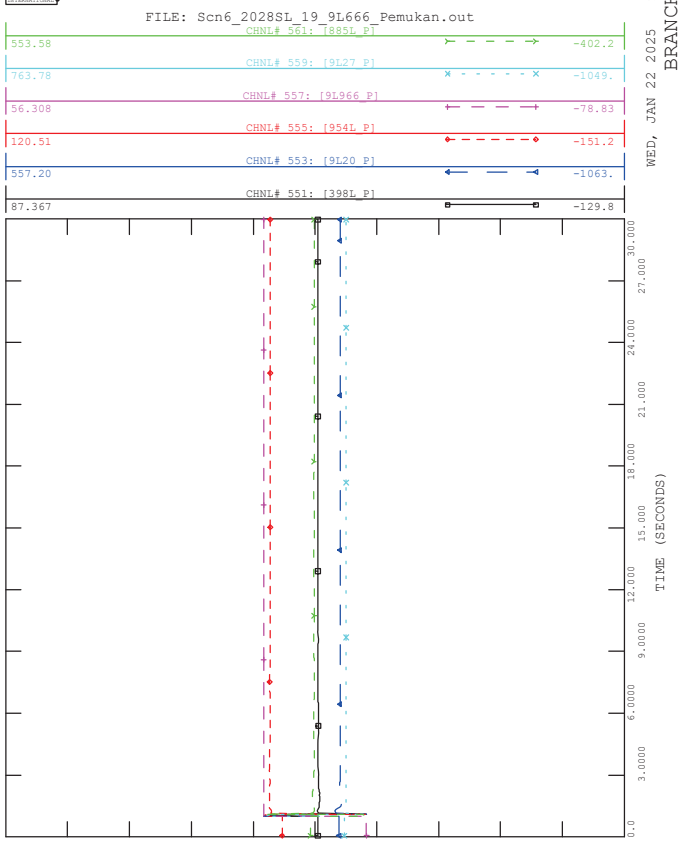
FILE: Scn6_2028SL_19_9L666_Pemukan.out



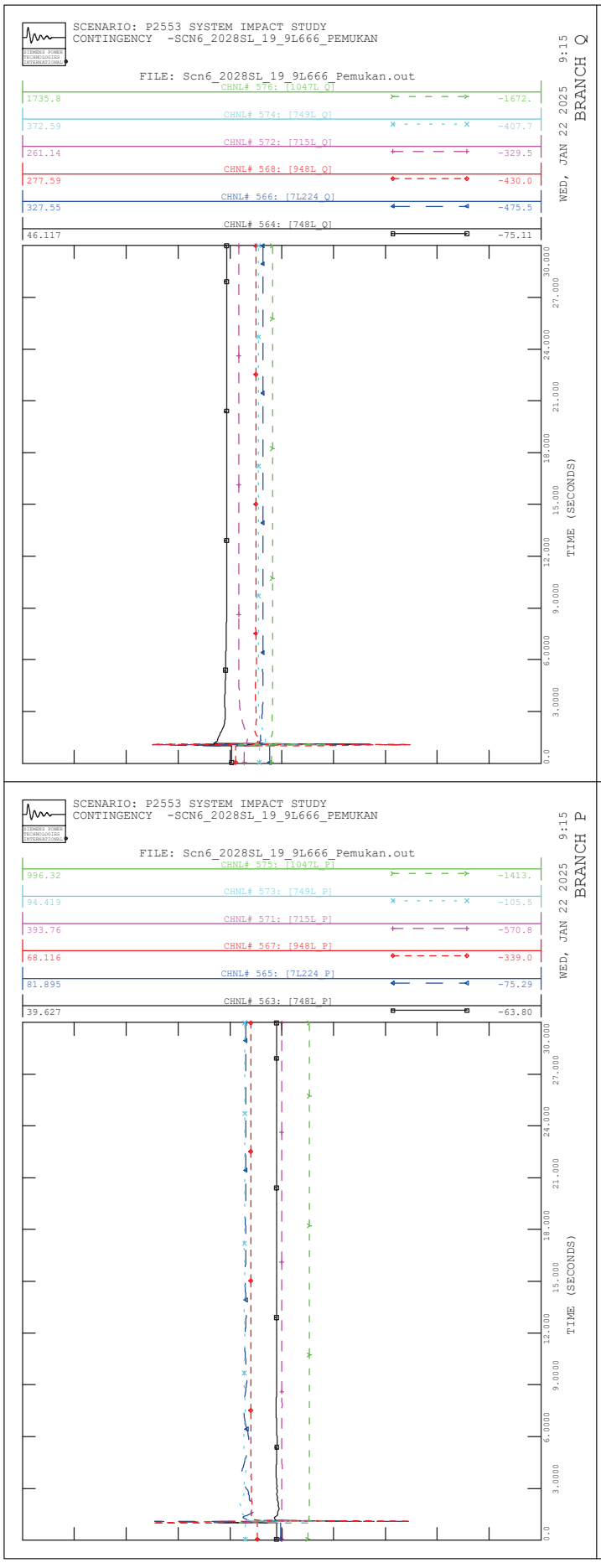
WED, JAN 22 2025 9:15
BUS VOLTAGE

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_19_9L666_PEMUKAN

FILE: Scn6_2028SL_19_9L666_Pemukan.out



WED, JAN 22 2025 9:15
BRANCH P


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_19_9L666_PEMUKAN
FILE: Scn6_2028SL_19_9L666_Pemukan.out
CHNL# 576: [1047L_Q]
1735.8
-1672.
CHNL# 574: [749L_Q]
372.59
-407.7
CHNL# 572: [715L_Q]
261.14
-329.5
CHNL# 568: [948L_Q]
277.59
-430.0
CHNL# 566: [7L224_Q]
327.55
-475.5
CHNL# 564: [748L_Q]
46.117
-75.11
BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
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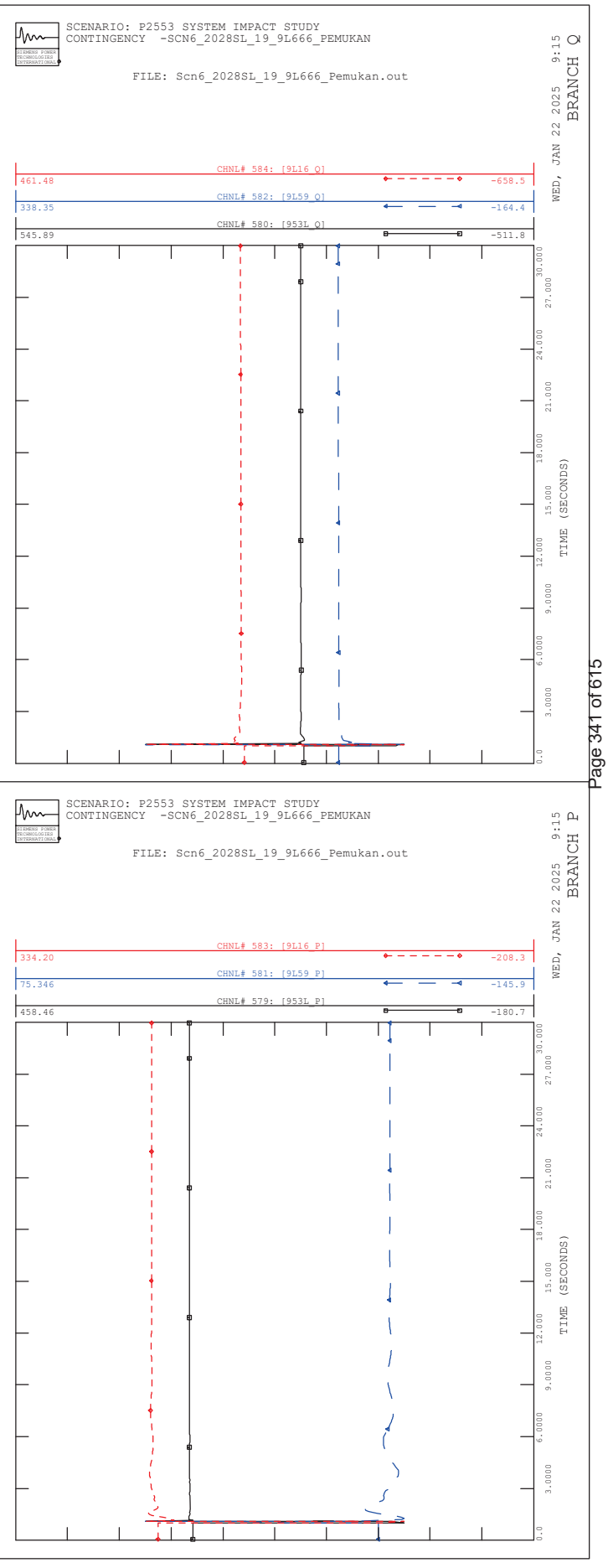
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_19_9L666_PEMUKAN
FILE: Scn6_2028SL_19_9L666_Pemukan.out
CHNL# 584: [9L16_Q]
461.48
-658.5
CHNL# 582: [9L59_Q]
338.35
-164.4
CHNL# 580: [953L_Q]
545.89
-511.8
BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_19_9L666_PEMUKAN
FILE: Scn6_2028SL_19_9L666_Pemukan.out
CHNL# 575: [1047L_P]
996.32
-1413.
CHNL# 573: [749L_P]
94.419
-105.5
CHNL# 571: [715L_P]
393.76
-570.8
CHNL# 567: [948L_P]
68.116
-339.0
CHNL# 565: [7L224_P]
81.895
-75.29
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39.627
-63.80
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WED, JAN 22 2025 9:15
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SCENARIO: P2553 SYSTEM IMPACT STUDY
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334.20
-208.3
CHNL# 581: [9L59_P]
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-145.9
CHNL# 579: [953L_P]
458.46
-180.7
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WED, JAN 22 2025 9:15
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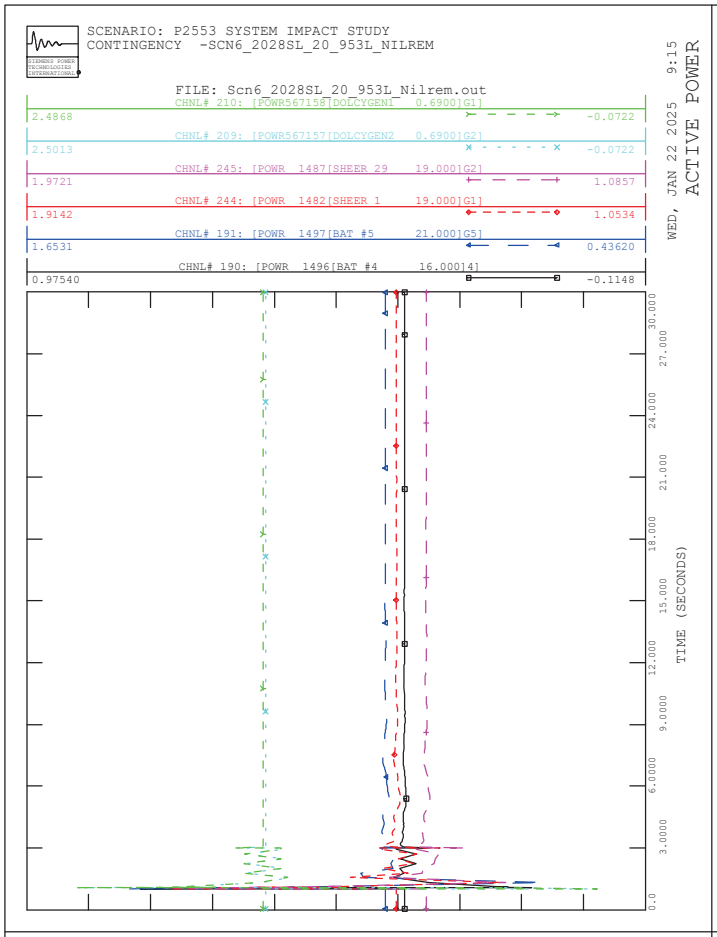
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CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.5013
-0.0722
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.9721
1.0857
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.9142
1.0534
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.6531
0.43620
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.97540
-0.1148
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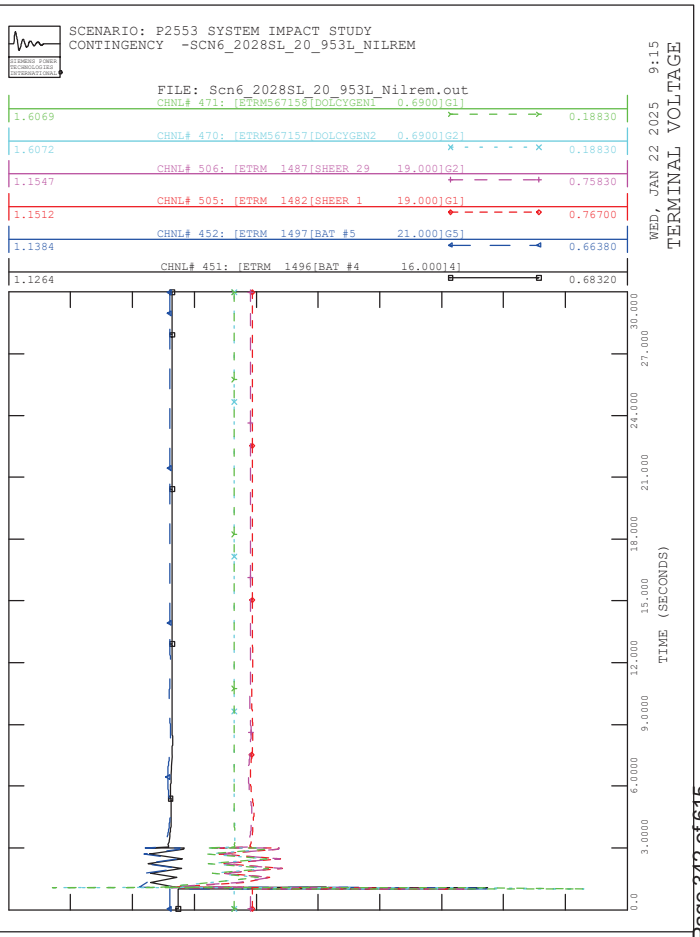
WED, JAN 22 2025 9:15
ACTIVE POWER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CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.6072
0.18830
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1547
0.75830
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1512
0.76700
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1384
0.66380
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
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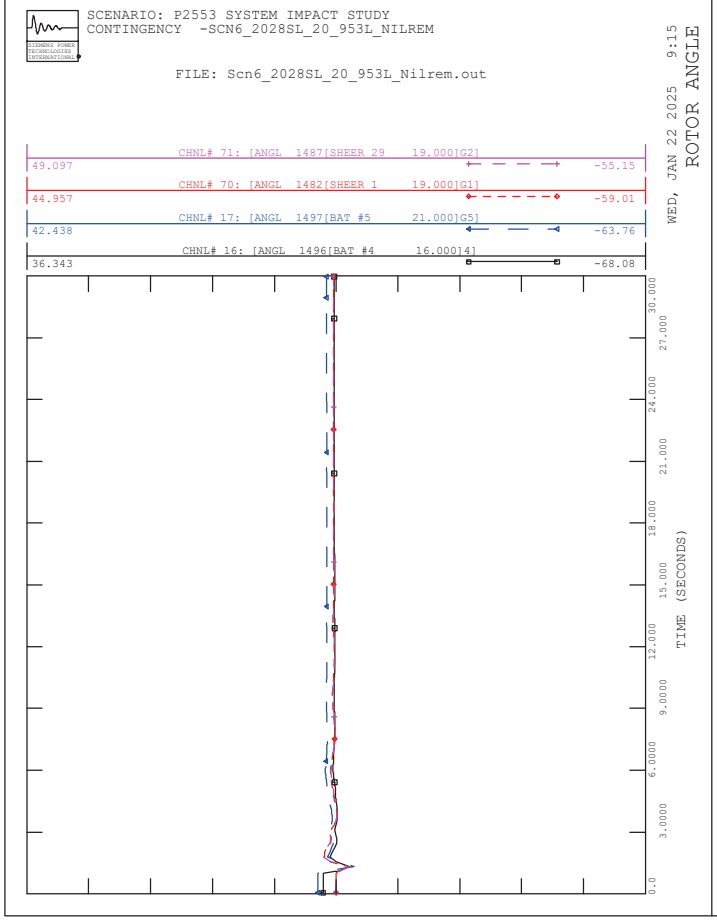
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE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CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
44.957
-59.01
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
42.438
-63.76
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
36.343
-68.08
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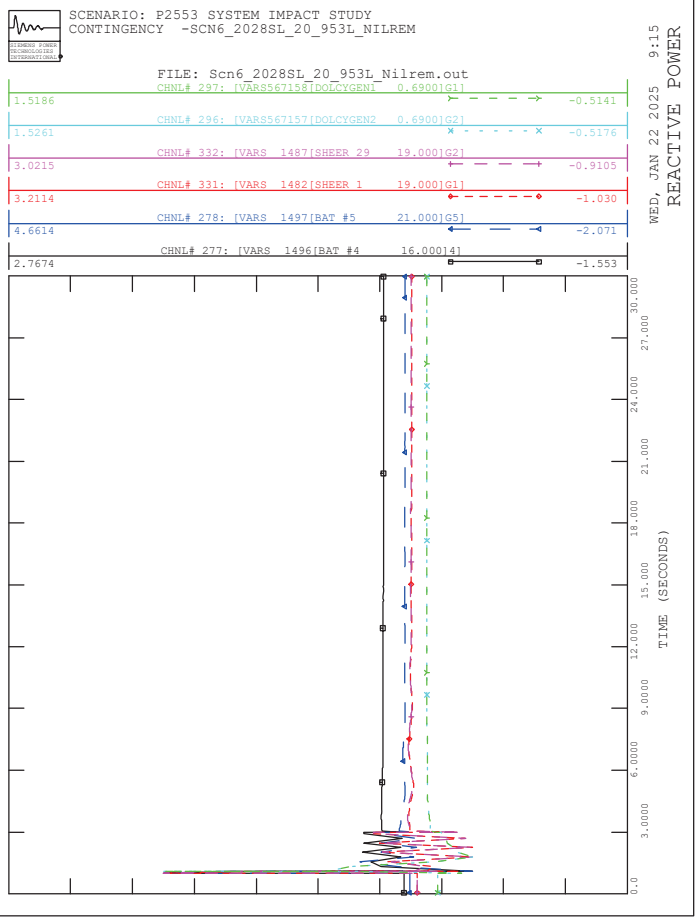
TIME (SECONDS)
WED, JAN 22 2025 9:15
ROTOR ANGLE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1.5186
-0.5141
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.5261
-0.5176
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
3.0215
-0.9105
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
3.2114
-1.030
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
4.6614
-2.071
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
2.7674
-1.553
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TIME (SECONDS)
WED, JAN 22 2025 9:15
REACTIVE POWER

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_20_953L_NILREM

FILE: Scn6_2028SL_20_953L_Nilrem.out

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.5128 0.17500
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.4202 0.01230
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.1874 0.67230
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2069 0.52660
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.2213 0.46630
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.4903 0.16640

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TIME (SECONDS)

WED, JAN 22 2025 9:15
BUS VOLTAGE

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_20_953L_NILREM

FILE: Scn6_2028SL_20_953L_Nilrem.out

CHNL# 562: [885L Q]
390.42 -254.6
CHNL# 560: [9L27 Q]
1599.3 -1748.
CHNL# 558: [9L966 Q]
1224.1 -1134.
CHNL# 556: [954L Q]
153.62 -224.4
CHNL# 554: [9L20 Q]
953.59 -643.9
CHNL# 552: [398L Q]
162.27 -226.2

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TIME (SECONDS)

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BRANCH Q

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_20_953L_NILREM

FILE: Scn6_2028SL_20_953L_Nilrem.out

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.4201 0.21540
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.4488 0.17010
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.4638 0.16460
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.5008 -0.0946
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.4650 0.16560
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.5183 0.16850

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BUS VOLTAGE

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_20_953L_NILREM

FILE: Scn6_2028SL_20_953L_Nilrem.out

CHNL# 561: [885L P]
472.34 -309.9
CHNL# 559: [9L27 P]
823.40 -1172.
CHNL# 557: [9L966 P]
363.74 -396.9
CHNL# 555: [954L P]
61.293 -79.64
CHNL# 553: [9L20 P]
587.08 -968.6
CHNL# 551: [398L P]
88.628 -131.6

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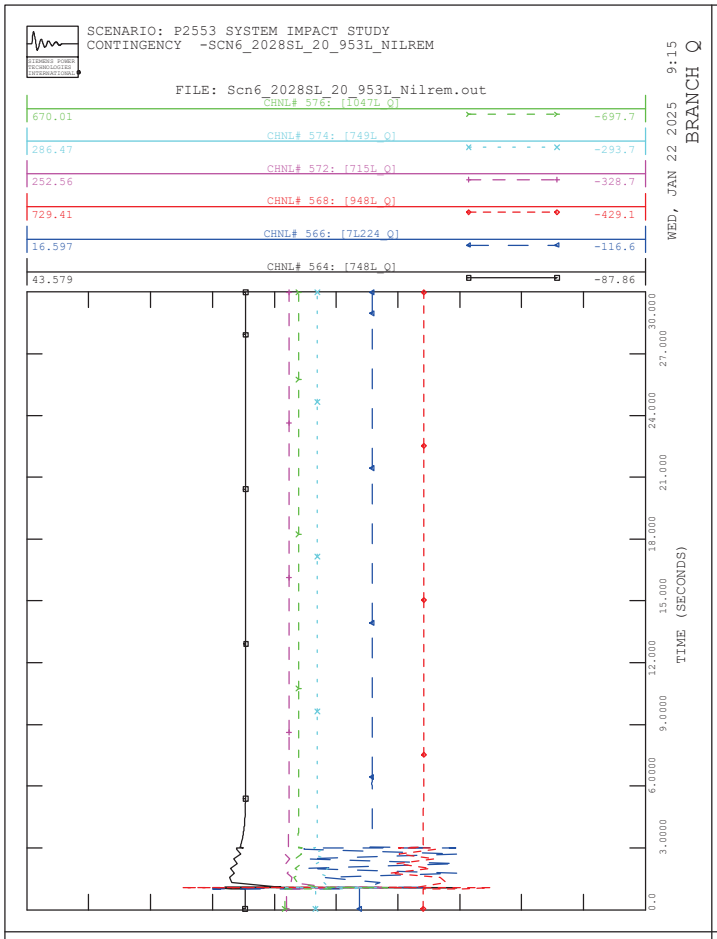
BRANCH P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-697.7
CHNL# 574: [749L_Q]
286.47
-293.7
CHNL# 572: [715L_Q]
252.56
-328.7
CHNL# 568: [948L_Q]
729.41
-429.1
CHNL# 566: [7L224_Q]
16.597
-116.6
CHNL# 564: [748L_Q]
43.579
-87.86
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BRANCH Q
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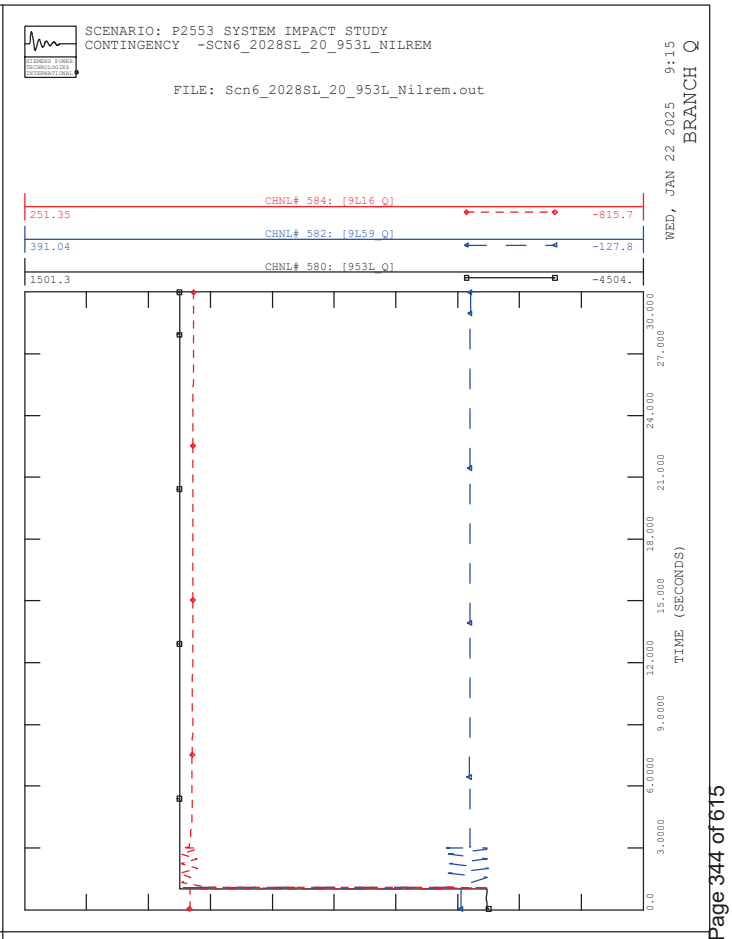
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FILE: Scn6_2028SL_20_953L_Nilrem.out
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251.35
-815.7
CHNL# 582: [9L59_Q]
391.04
-127.8
CHNL# 580: [953L_Q]
1501.3
-4504.
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BRANCH Q
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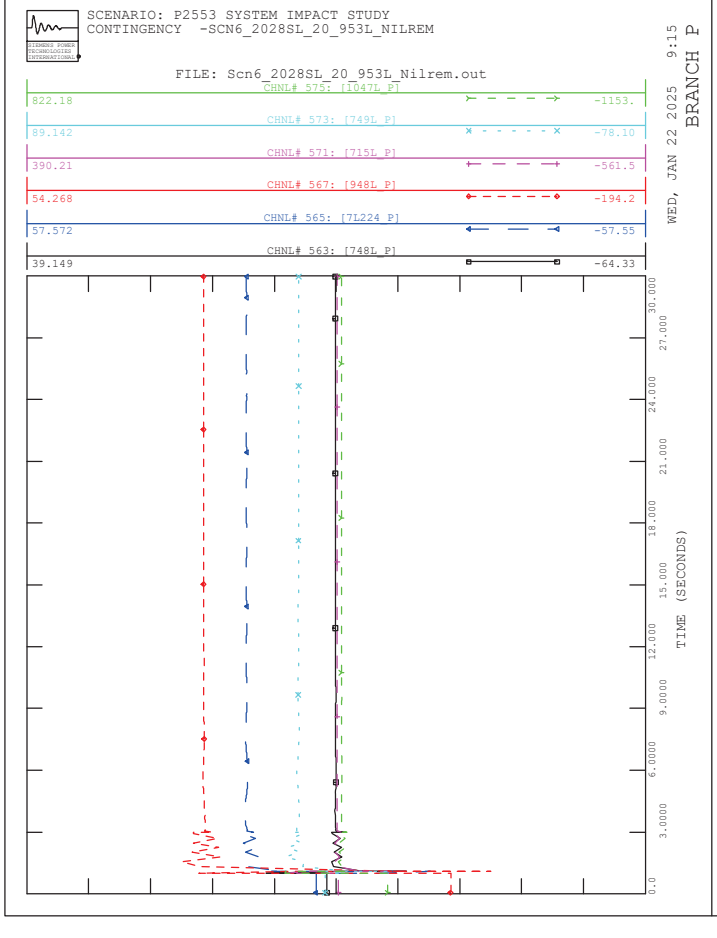
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822.18
-1153.
CHNL# 573: [749L_P]
89.142
-78.10
CHNL# 571: [715L_P]
390.21
-561.5
CHNL# 567: [948L_P]
54.268
-194.2
CHNL# 565: [7L224_P]
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-57.55
CHNL# 563: [748L_P]
39.149
-64.33
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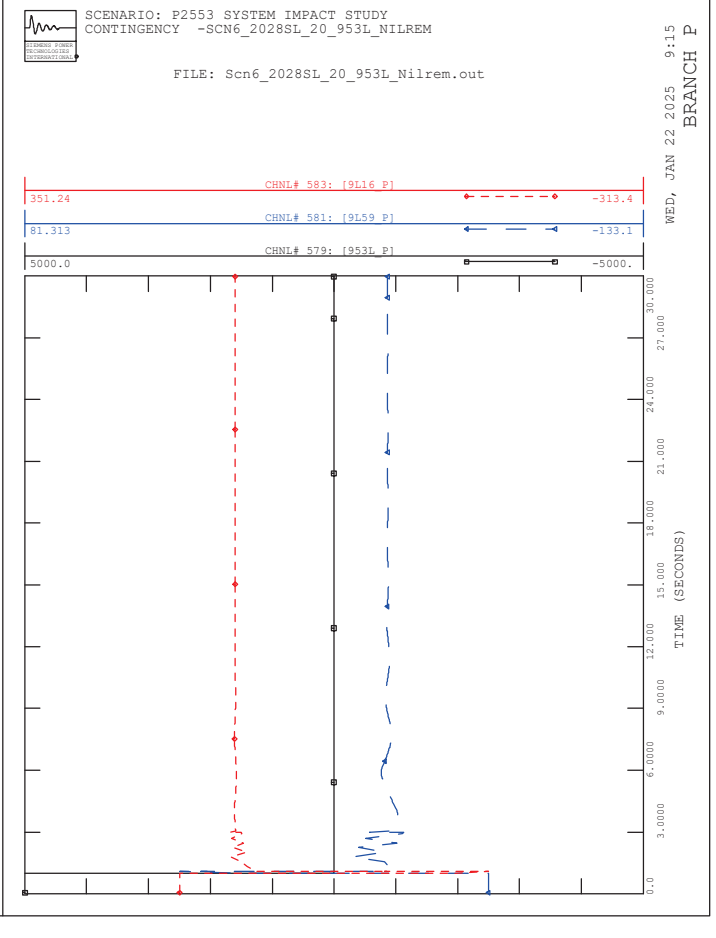
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CHNL# 583: [9L16_P]
351.24
-313.4
CHNL# 581: [9L59_P]
81.313
-133.1
CHNL# 579: [953L_P]
5000.0
-5000.
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_21_953L_CORDEL

FILE: Scn6_2028SL_21_953L_Cordel.out

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2.4276 -0.1411
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.4355 -0.1411
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
2.8015 0.41370
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
2.8259 0.33600
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.8500 -0.1040
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.79400 -0.0874

WED, JAN 22 2025 9:15
ACTIVE POWER

TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_21_953L_CORDEL

FILE: Scn6_2028SL_21_953L_Cordel.out

CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.5325 0.09570
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.5327 0.09570
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.2245 0.69980
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.2115 0.71260
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1718 0.26190
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1291 0.41360

WED, JAN 22 2025 9:15
TERMINAL VOLTAGE

TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_21_953L_CORDEL

FILE: Scn6_2028SL_21_953L_Cordel.out

CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
73.216 -58.82
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
68.738 -62.38
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
54.637 -68.12
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
47.486 -71.12

WED, JAN 22 2025 9:15
ROTOR ANGLE

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_21_953L_CORDEL

FILE: Scn6_2028SL_21_953L_Cordel.out

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1.3518 -0.8599
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.3587 -0.8657
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
4.6239 -3.296
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
4.9953 -3.768
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
6.4130 -4.096
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
4.1615 -2.537

WED, JAN 22 2025 9:15
REACTIVE POWER

TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_21_953L_CORDEL

FILE: Scn6_2028SL_21_953L_Cordel.out

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.4593 0.08210
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.3773 0.04560
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.1870 0.30380
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2118 -0.0761
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.2511 -0.0513
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.4045 0.09390

WED, JAN 22 2025 9:15
BUS VOLTAGE

TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_21_953L_CORDEL

FILE: Scn6_2028SL_21_953L_Cordel.out

CHNL# 562: [885L Q]
500.60 -341.3
CHNL# 560: [9L27 Q]
933.18 -934.8
CHNL# 558: [9L966 Q]
1486.4 -1399.
CHNL# 556: [954L Q]
142.44 -209.2
CHNL# 554: [9L20 Q]
1193.3 -811.4
CHNL# 552: [398L Q]
108.50 -153.8

WED, JAN 22 2025 9:15
BRANCH Q

TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_21_953L_CORDEL

FILE: Scn6_2028SL_21_953L_Cordel.out

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.3483 0.12770
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.3697 0.09240
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.3960 0.09380
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.4357 0.01730
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.3968 0.09440
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.4609 0.08450

WED, JAN 22 2025 9:15
BUS VOLTAGE

TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_21_953L_CORDEL

FILE: Scn6_2028SL_21_953L_Cordel.out

CHNL# 561: [885L P]
520.79 -355.5
CHNL# 559: [9L27 P]
968.74 -1362.
CHNL# 557: [9L966 P]
629.98 -589.5
CHNL# 555: [954L P]
76.050 -83.97
CHNL# 553: [9L20 P]
1178.4 -1489.
CHNL# 551: [398L P]
87.424 -127.6

WED, JAN 22 2025 9:15
BRANCH P

TIME (SECONDS)
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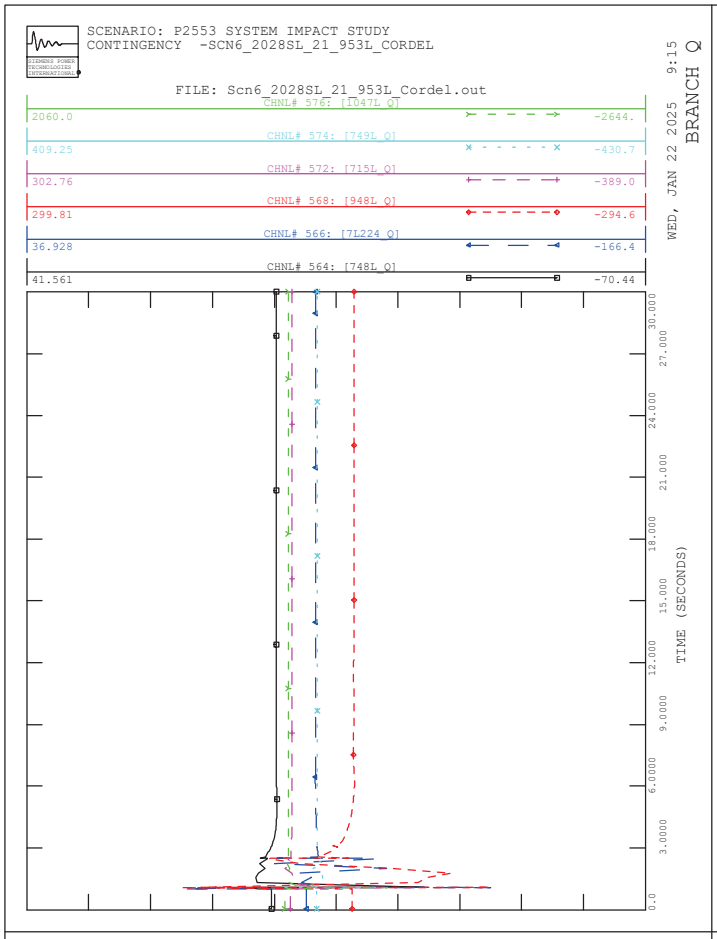
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CONTINGENCY -SCN6_2028SL_21_953L_CORDEL
FILE: Scn6_2028SL_21_953L_Cordel.out
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2060.0
-2644.
CHNL# 574: [749L_Q]
409.25
-430.7
CHNL# 572: [715L_Q]
302.76
-389.0
CHNL# 568: [948L_Q]
299.81
-294.6
CHNL# 566: [7L224_Q]
36.928
-166.4
CHNL# 564: [748L_Q]
41.561
-70.44
BRANCH Q
WED, JAN 22 2025 9:15
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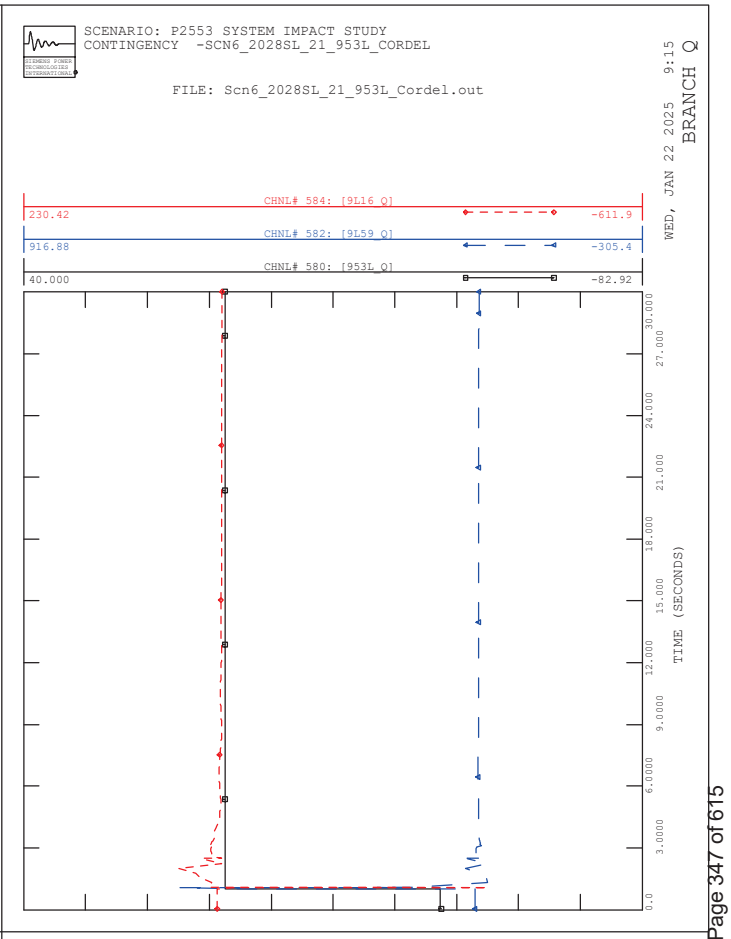
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230.42
-611.9
CHNL# 582: [9L59_Q]
916.88
-305.4
CHNL# 580: [953L_Q]
40.000
-82.92
BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
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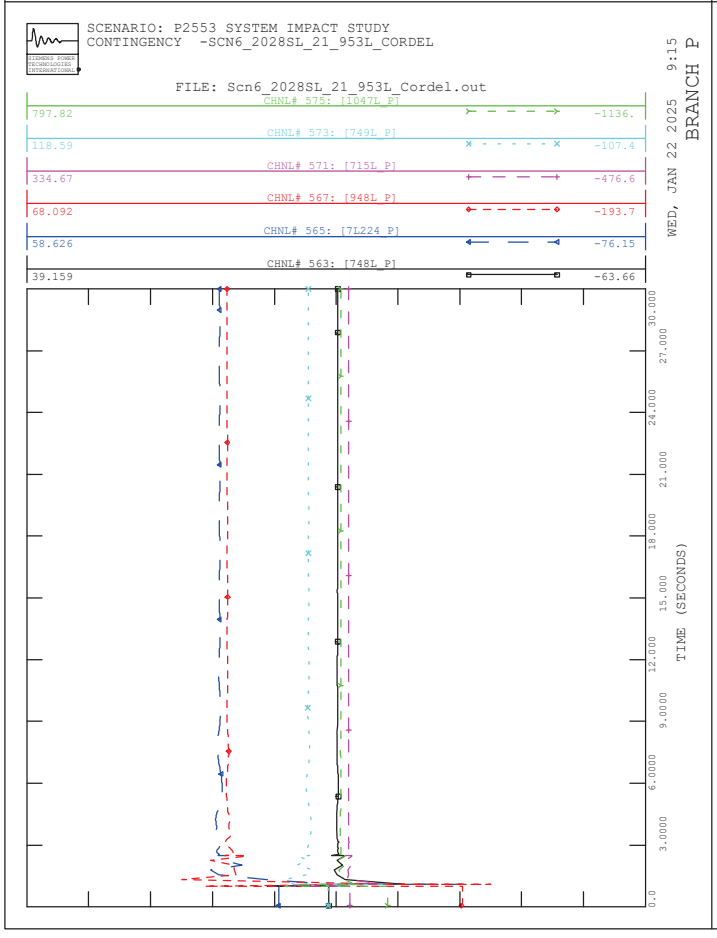
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_21_953L_CORDEL
FILE: Scn6_2028SL_21_953L_Cordel.out
CHNL# 575: [I047L_P]
797.82
-1136.
CHNL# 573: [749L_P]
118.59
-107.4
CHNL# 571: [715L_P]
334.67
-476.6
CHNL# 567: [948L_P]
68.092
-193.7
CHNL# 565: [7L224_P]
58.626
-76.15
CHNL# 563: [748L_P]
39.159
-63.66
BRANCH P
WED, JAN 22 2025 9:15
TIME (SECONDS)
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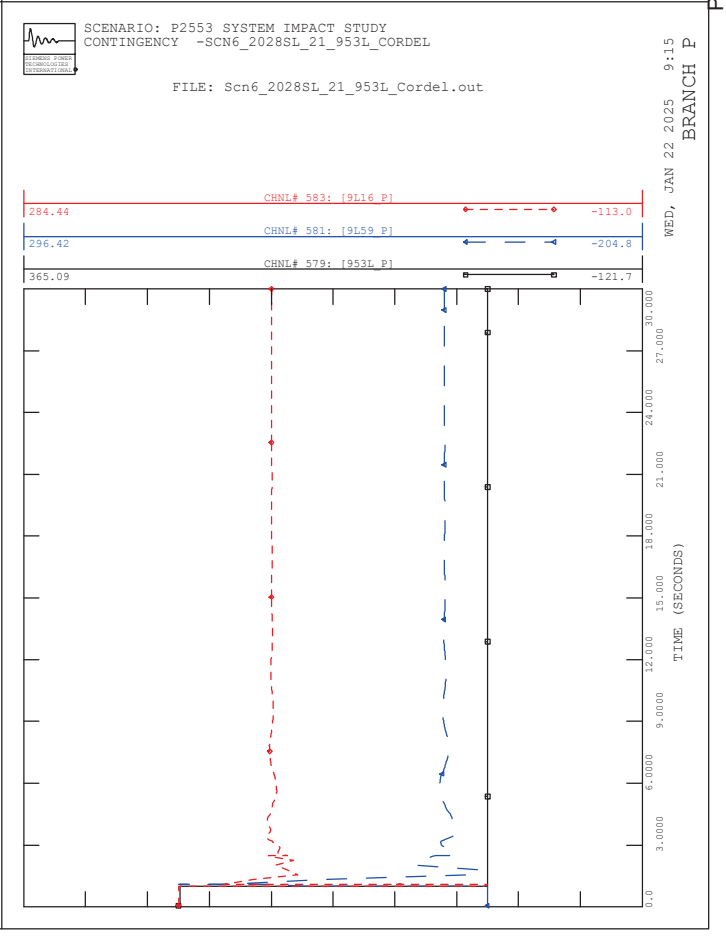
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_21_953L_CORDEL
FILE: Scn6_2028SL_21_953L_Cordel.out
CHNL# 583: [9L16_P]
284.44
-113.0
CHNL# 581: [9L59_P]
296.42
-204.8
CHNL# 579: [953L_P]
365.09
-121.7
BRANCH P
WED, JAN 22 2025 9:15
TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_22_9L27_PAINTEARTH

FILE: Scn6_2028SL_22_9L27_Paintearth.out

CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.5891 0.00120
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.5976 0.00120
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.7344 1.0371
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.8112 0.93230
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.6367 0.37450
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.74130 -0.1443

WED, JAN 22 2025 9:15
ACTIVE POWER

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_22_9L27_PAINTEARTH

FILE: Scn6_2028SL_22_9L27_Paintearth.out

CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.6161 0.26170
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.6162 0.26170
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1883 0.72920
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1788 0.73980
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1540 0.55080
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1195 0.63220

WED, JAN 22 2025 9:15
TERMINAL VOLTAGE

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_22_9L27_PAINTEARTH

FILE: Scn6_2028SL_22_9L27_Paintearth.out

CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
48.966 -53.03
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
44.911 -57.02
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
43.863 -62.69
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
36.497 -67.35

WED, JAN 22 2025 9:15
ROTOR ANGLE

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_22_9L27_PAINTEARTH

FILE: Scn6_2028SL_22_9L27_Paintearth.out

CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.1299 -0.4636
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.1326 -0.4636
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
3.5563 -1.378
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
3.8794 -1.795
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
6.1582 -3.908
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
3.4111 -2.466

WED, JAN 22 2025 9:15
REACTIVE POWER

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_22_9L27_PAINTEARTH

FILE: Scn6_2028SL_22_9L27_Paintearth.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.5532 0.24810

CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.3827 0.30170

CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.2223 0.54800

CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2667 0.32950

CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.5732 -0.0993

CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.4767 0.26900

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TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_22_9L27_PAINTEARTH

FILE: Scn6_2028SL_22_9L27_Paintearth.out

WED, JAN 22 2025 9:15

BRANCH Q

CHNL# 562: [885L Q]
352.83 -242.5

CHNL# 560: [9L27 Q]
5000.0 -5000.

CHNL# 558: [9L966 Q]
1128.2 -1147.

CHNL# 556: [954L Q]
186.52 -222.5

CHNL# 554: [9L20 Q]
1344.7 -1005.

CHNL# 552: [398L Q]
99.442 -142.6

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TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_22_9L27_PAINTEARTH

FILE: Scn6_2028SL_22_9L27_Paintearth.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.4192 0.30640

CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.4441 0.26990

CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.4711 0.26910

CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.4283 0.29210

CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.4721 0.26940

CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.5498 0.25490

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TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_22_9L27_PAINTEARTH

FILE: Scn6_2028SL_22_9L27_Paintearth.out

WED, JAN 22 2025 9:15

BRANCH P

CHNL# 561: [885L P]
525.76 -339.2

CHNL# 559: [9L27 P]
5000.0 -5000.

CHNL# 557: [9L966 P]
304.86 -386.2

CHNL# 555: [954L P]
91.954 -67.82

CHNL# 553: [9L20 P]
932.82 -1345.

CHNL# 551: [398L P]
80.013 -125.6

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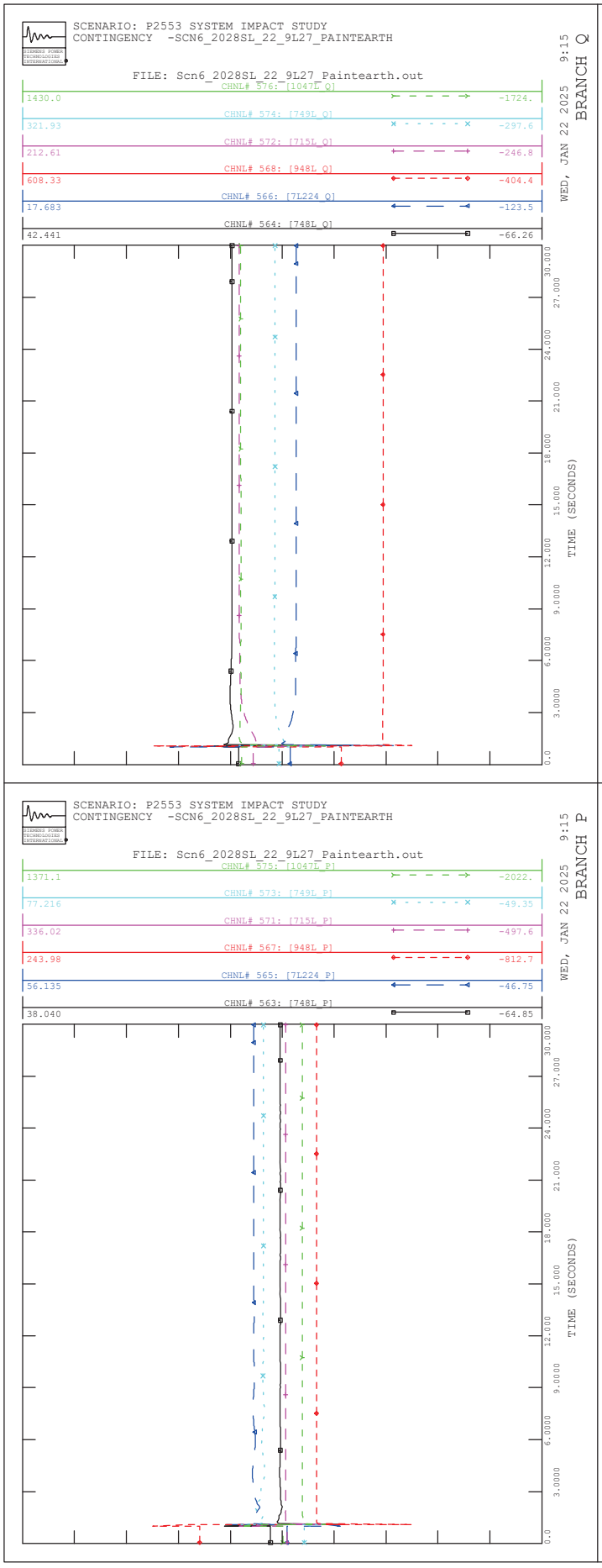
TIME (SECONDS)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CONTINGENCY -SCN6_2028SL_22_9L27_PAINTEARTH
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1430.0
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CHNL# 574: [749L Q]
321.93
-297.6
CHNL# 572: [715L Q]
212.61
-246.8
CHNL# 568: [948L Q]
608.33
-404.4
CHNL# 566: [7L224 Q]
17.683
-123.5
CHNL# 564: [748L Q]
42.441
-66.26
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BRANCH Q
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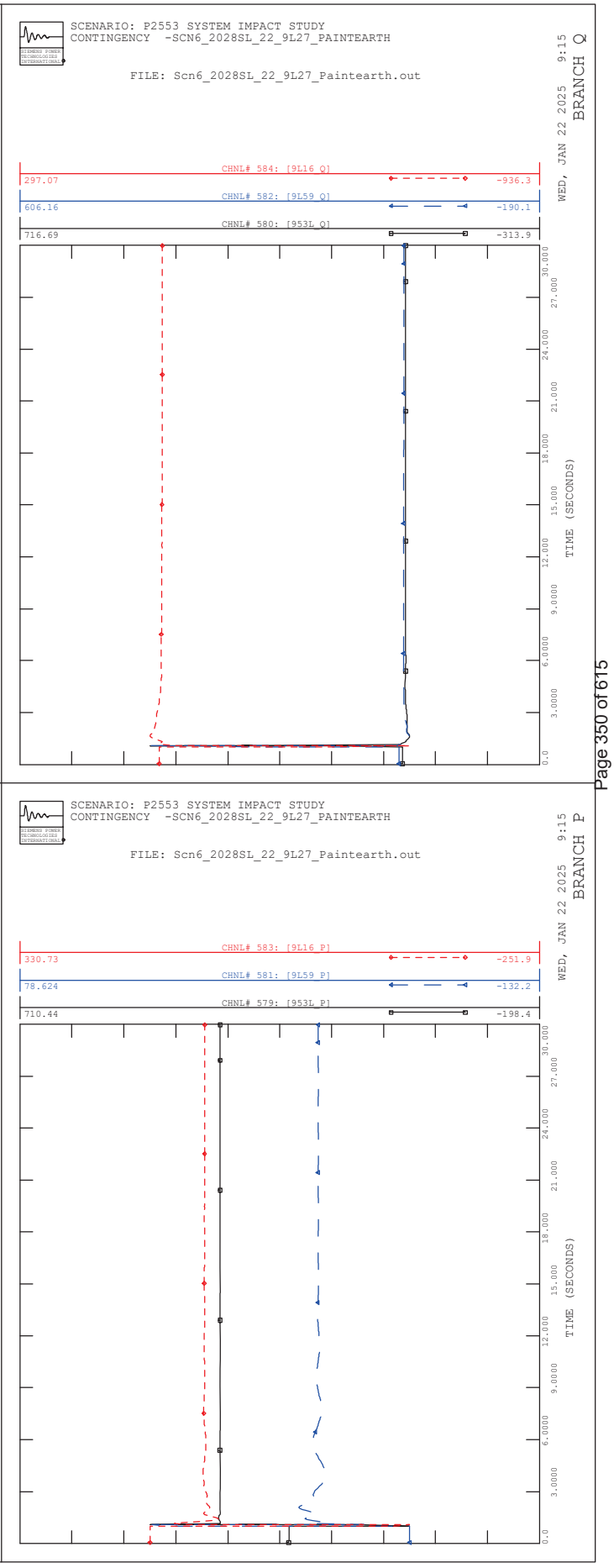
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CONTINGENCY -SCN6_2028SL_22_9L27_PAINTEARTH
FILE: Scn6_2028SL_22_9L27_Paintearth.out
CHNL# 584: [9L16 Q]
297.07
-936.3
CHNL# 582: [9L59 Q]
606.16
-190.1
CHNL# 580: [953L Q]
716.69
-313.9
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_22_9L27_PAINTEARTH
FILE: Scn6_2028SL_22_9L27_Paintearth.out
CHNL# 575: [1047L P]
1371.1
-2022.
CHNL# 573: [749L P]
77.216
-49.35
CHNL# 571: [715L P]
336.02
-497.6
CHNL# 567: [948L P]
243.98
-812.7
CHNL# 565: [7L224 P]
56.135
-46.75
CHNL# 563: [748L P]
38.040
-64.85
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_22_9L27_PAINTEARTH
FILE: Scn6_2028SL_22_9L27_Paintearth.out
CHNL# 583: [9L16 P]
330.73
-251.9
CHNL# 581: [9L59 P]
78.624
-132.2
CHNL# 579: [953L P]
710.44
-198.4
WED, JAN 22 2025 9:15
BRANCH P
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_23_9L27_CORDEL

FILE: Scn6_2028SL_23_9L27_Cordel.out

WED, JAN 22 2025 9:15

ACTIVE POWER

CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1] 2.4395 -0.1142
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2] 2.4491 -0.1142
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2] 1.9924 0.98890
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1] 1.9193 0.92310
CHNL# 191: [POWR 1497[BAT #5 21.000]G5] 2.0835 -0.1438
CHNL# 190: [POWR 1496[BAT #4 16.000]4] 0.85280 -0.0921

TIME (SECONDS)

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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_23_9L27_CORDEL

FILE: Scn6_2028SL_23_9L27_Cordel.out

WED, JAN 22 2025 9:15

TERMINAL VOLTAGE

CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1] 1.5507 0.13620
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2] 1.5509 0.13620
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2] 1.1497 0.66350
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1] 1.1457 0.67790
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5] 1.1631 0.25100
CHNL# 451: [ETRM 1496[BAT #4 16.000]4] 1.1208 0.40580

TIME (SECONDS)

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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_23_9L27_CORDEL

FILE: Scn6_2028SL_23_9L27_Cordel.out

WED, JAN 22 2025 9:15

ROTOR ANGLE

CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2] 50.755 -53.20
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1] 46.488 -57.17
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5] 46.380 -64.19
CHNL# 16: [ANGL 1496[BAT #4 16.000]4] 38.784 -67.30

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_23_9L27_CORDEL

FILE: Scn6_2028SL_23_9L27_Cordel.out

WED, JAN 22 2025 9:15

REACTIVE POWER

CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1] 1.2987 -0.4763
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2] 1.3022 -0.4763
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2] 4.2717 -1.365
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1] 4.6515 -1.700
CHNL# 278: [VARS 1497[BAT #5 21.000]G5] 6.3584 -3.586
CHNL# 277: [VARS 1496[BAT #4 16.000]4] 4.0593 -2.434

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_23_9L27_CORDEL

FILE: Scn6_2028SL_23_9L27_Cordel.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]] 1.4728 0.12380
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]] 1.3200 0.09780
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]] 1.1780 0.28660
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]] 1.2021 -0.0911
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]] 1.4352 -0.0236
CHNL# 539: [VOLT 86 [PROVOST7 138.00]] 1.4144 0.15120

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_23_9L27_CORDEL

FILE: Scn6_2028SL_23_9L27_Cordel.out

WED, JAN 22 2025 9:15

BRANCH Q

CHNL# 562: [885L Q] 257.11 -166.3
CHNL# 560: [9L27 Q] 104.33 -74.52
CHNL# 558: [9L966 Q] 1220.8 -1215.
CHNL# 556: [954L Q] 260.90 -375.2
CHNL# 554: [9L20 Q] 1180.3 -811.7
CHNL# 552: [398L Q] 100.08 -124.5

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_23_9L27_CORDEL

FILE: Scn6_2028SL_23_9L27_Cordel.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]] 1.3657 0.17690
CHNL# 544: [VOLT 814 [KILRY TP 138.00]] 1.3878 0.14470
CHNL# 537: [VOLT 74 [METIS647 138.00]] 1.4045 0.14040
CHNL# 547: [VOLT 1427 [NILREM3 240.00]] 1.3632 0.07370
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]] 1.4054 0.14100
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]] 1.4701 0.12630

TIME (SECONDS)

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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_23_9L27_CORDEL

FILE: Scn6_2028SL_23_9L27_Cordel.out

WED, JAN 22 2025 9:15

BRANCH P

CHNL# 561: [885L P] 504.64 -336.4
CHNL# 559: [9L27 P] 580.92 -813.3
CHNL# 557: [9L966 P] 481.76 -490.2
CHNL# 555: [954L P] 127.18 -121.3
CHNL# 553: [9L20 P] 1086.8 -1367.
CHNL# 551: [398L P] 71.341 -112.5

TIME (SECONDS)

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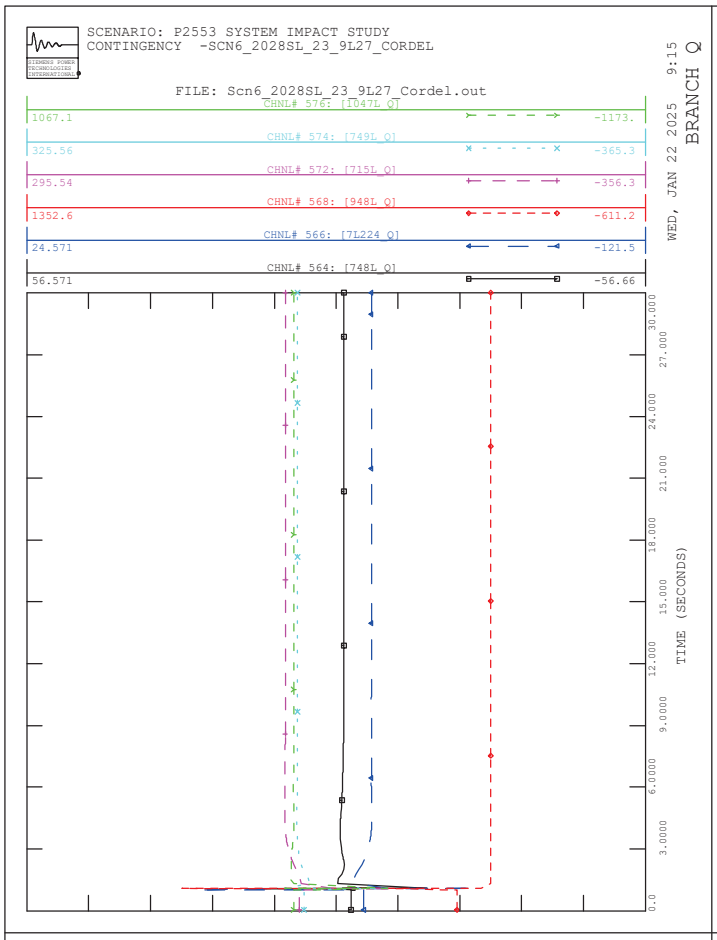
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CONTINGENCY -SCN6_2028SL_23_9L27_CORDEL
FILE: Scn6_2028SL_23_9L27_Cordel.out
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CHNL# 574: [749L_Q]
325.56
-365.3
CHNL# 572: [715L_Q]
295.54
-356.3
CHNL# 568: [948L_Q]
1352.6
-611.2
CHNL# 566: [7L224_Q]
24.571
-121.5
CHNL# 564: [748L_Q]
56.571
-56.66
BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
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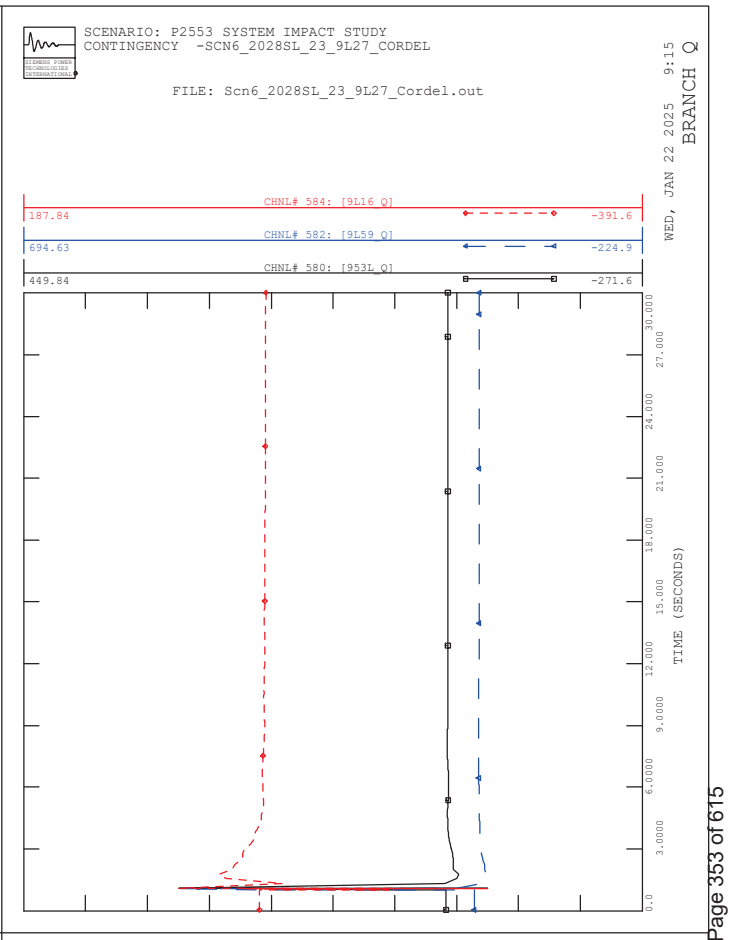
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CONTINGENCY -SCN6_2028SL_23_9L27_CORDEL
FILE: Scn6_2028SL_23_9L27_Cordel.out
CHNL# 584: [9L16_Q]
187.84
-391.6
CHNL# 582: [9L59_Q]
694.63
-224.9
CHNL# 580: [953L_Q]
449.84
-271.6
BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
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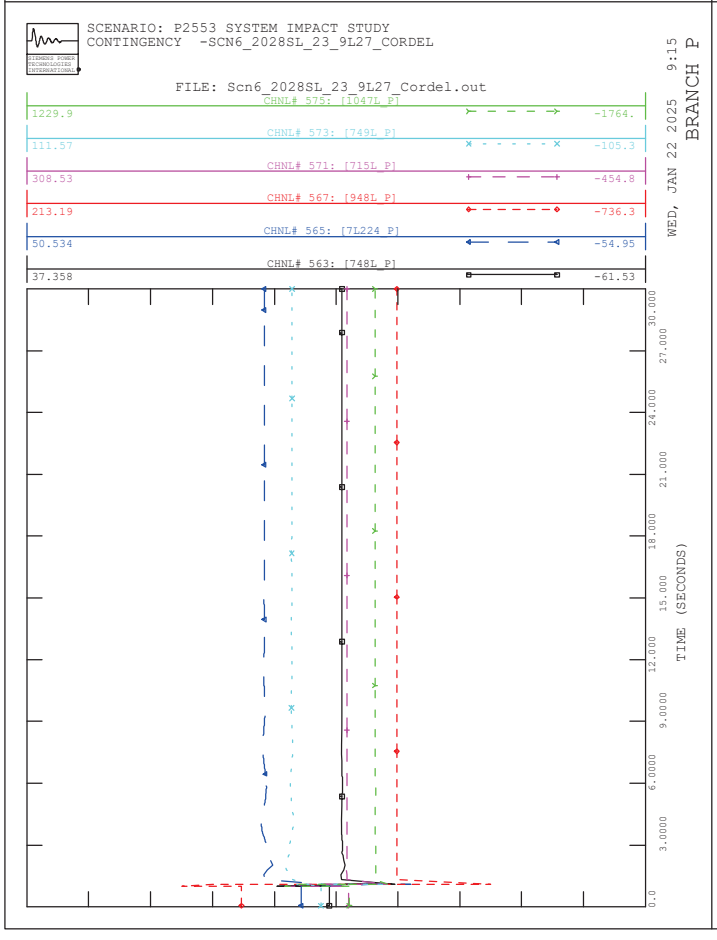
SCENARIO: P2553 SYSTEM IMPACT STUDY
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1229.9
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CHNL# 573: [749L_P]
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CHNL# 571: [715L_P]
308.53
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CHNL# 567: [948L_P]
213.19
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CHNL# 565: [7L224_P]
50.534
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CHNL# 563: [748L_P]
37.358
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BRANCH P
WED, JAN 22 2025 9:15
TIME (SECONDS)
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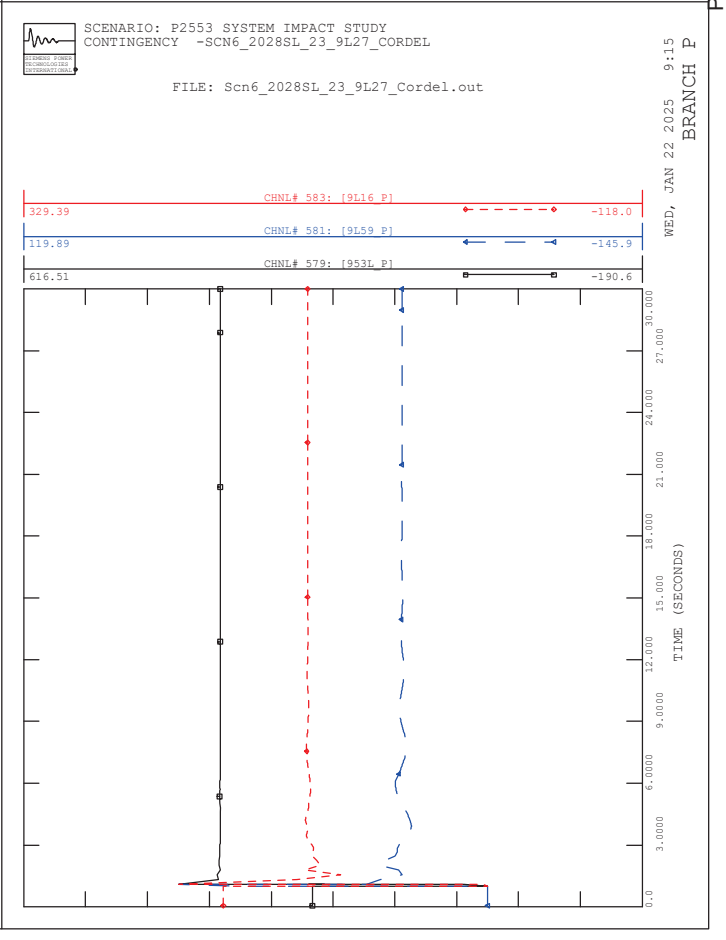
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_23_9L27_CORDEL
FILE: Scn6_2028SL_23_9L27_Cordel.out
CHNL# 583: [9L16_P]
329.39
-118.0
CHNL# 581: [9L59_P]
119.89
-145.9
CHNL# 579: [953L_P]
616.51
-190.6
BRANCH P
WED, JAN 22 2025 9:15
TIME (SECONDS)
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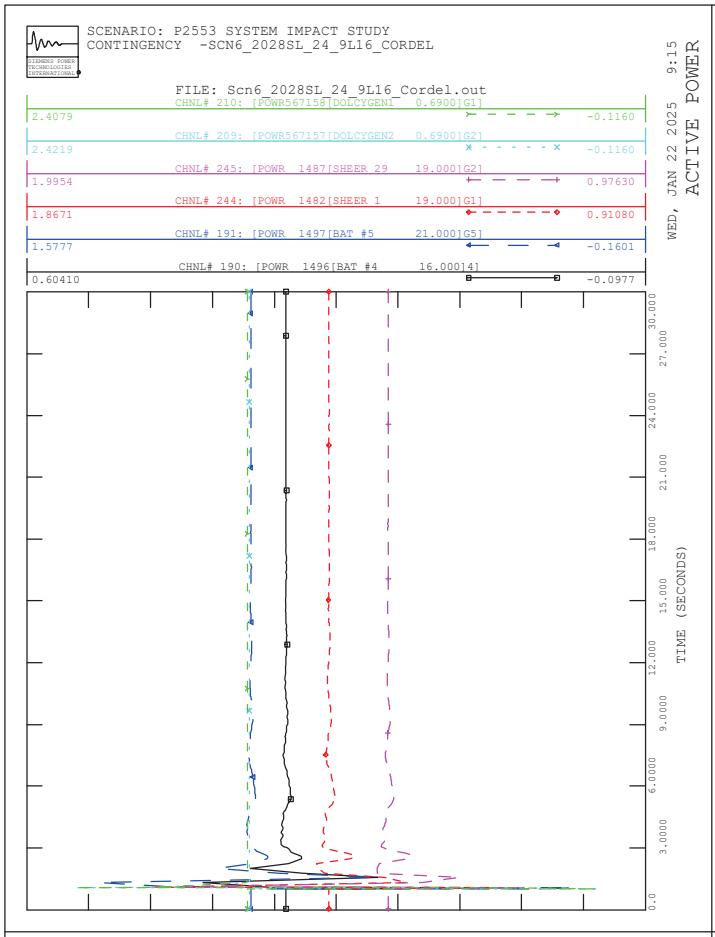
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_24_9L16_CORDEL
FILE: Scn6_2028SL_24_9L16_Cordel.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.4079
-0.1160
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.4219
-0.1160
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.9954
0.97630
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.8671
0.91080
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.5777
-0.1601
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.60410
-0.0977
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
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3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
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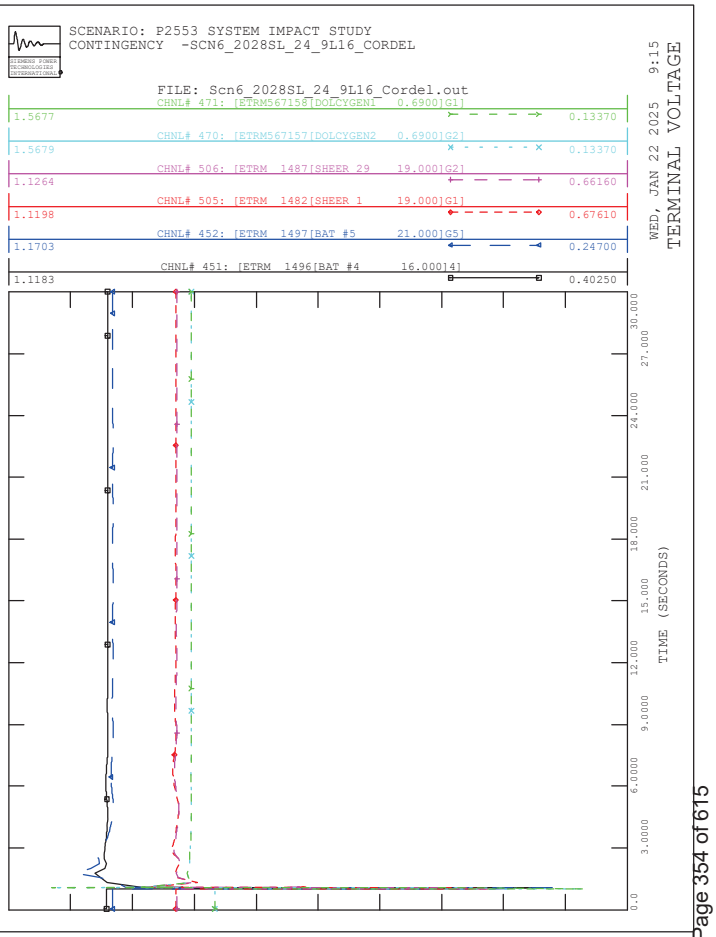
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_24_9L16_CORDEL
FILE: Scn6_2028SL_24_9L16_Cordel.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.5677
0.13370
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.5679
0.13370
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1264
0.66160
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1198
0.67610
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1703
0.24700
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1183
0.40250
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
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3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
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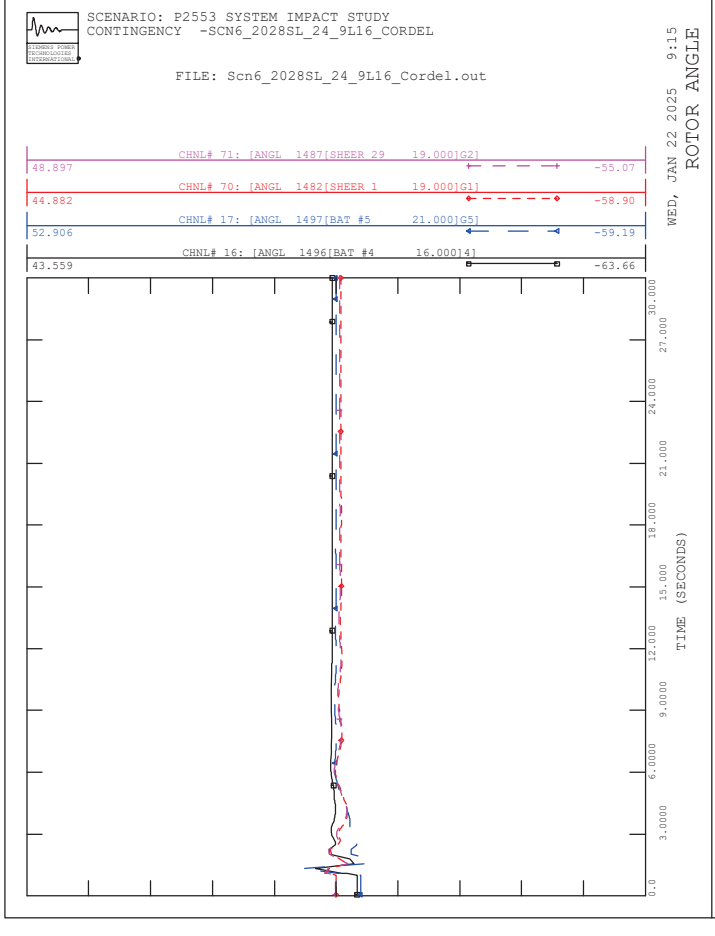
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_24_9L16_CORDEL
FILE: Scn6_2028SL_24_9L16_Cordel.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
48.897
-55.07
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
44.882
-58.90
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
52.906
-59.19
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
43.559
-63.66
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
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3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
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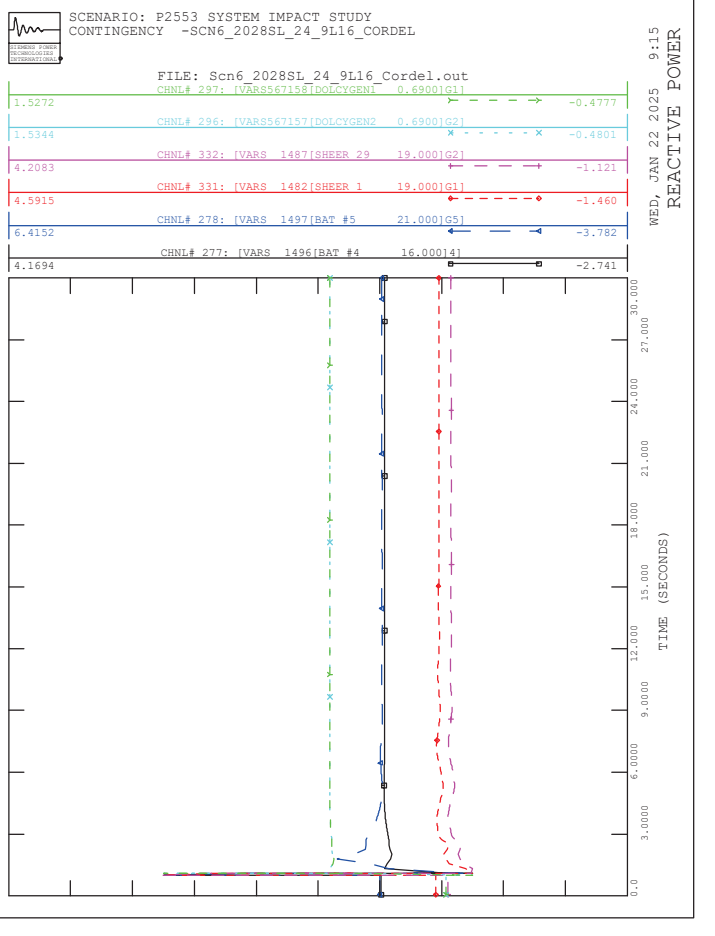
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_24_9L16_CORDEL
FILE: Scn6_2028SL_24_9L16_Cordel.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.5272
-0.4777
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.5344
-0.4801
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
4.2083
-1.121
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
4.5915
-1.460
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
6.4152
-3.782
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
4.1694
-2.741
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
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3.0000
6.0000
9.0000
12.000
15.000
18.000
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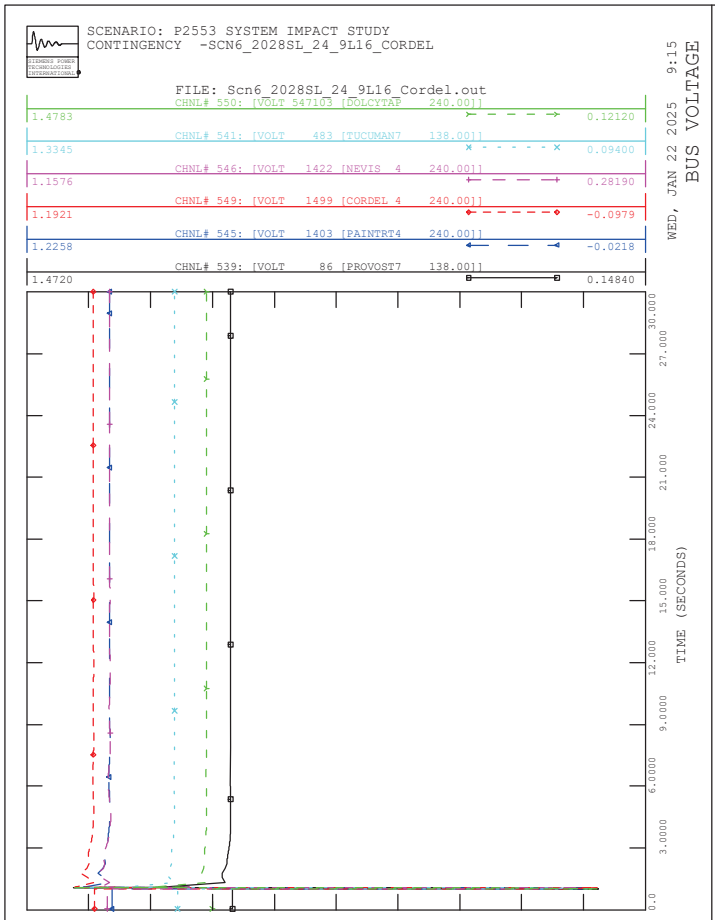
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_24_9L16_CORDEL
FILE: Scn6_2028SL_24_9L16_Cordel.out
CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.4783
0.12120
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.3345
0.09400
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.1576
0.28190
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.1921
-0.0979
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.2258
-0.0218
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.4720
0.14840
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
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6.0000
9.0000
12.000
15.000
18.000
21.000
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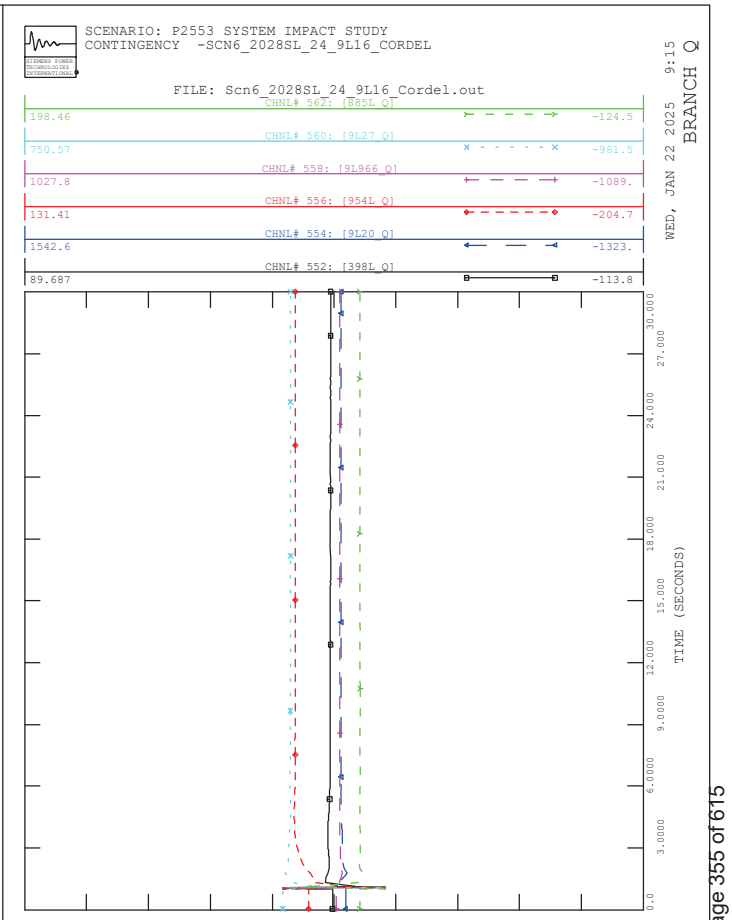
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_24_9L16_CORDEL
FILE: Scn6_2028SL_24_9L16_Cordel.out
CHNL# 562: [885L Q]
198.46
-124.5
CHNL# 560: [9L27 Q]
750.57
-981.5
CHNL# 558: [9L966 Q]
1027.8
-1089.
CHNL# 556: [954L Q]
131.41
-204.7
CHNL# 554: [9L20 Q]
1542.6
-1323.
CHNL# 552: [398L Q]
89.687
-113.8
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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3.0000
6.0000
9.0000
12.000
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18.000
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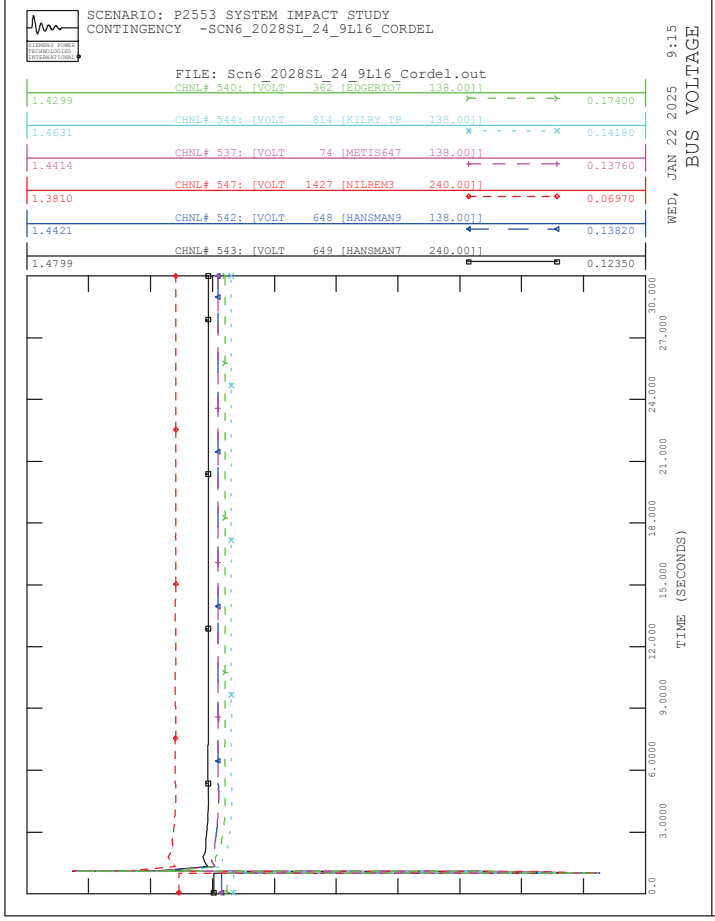
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_24_9L16_CORDEL
FILE: Scn6_2028SL_24_9L16_Cordel.out
CHNL# 540: [VOLT 362 [EDGERT07 138.00]]
1.4299
0.17400
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.4631
0.14180
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.4414
0.13760
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.3810
0.06970
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.4421
0.13820
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.4799
0.12350
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
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6.0000
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18.000
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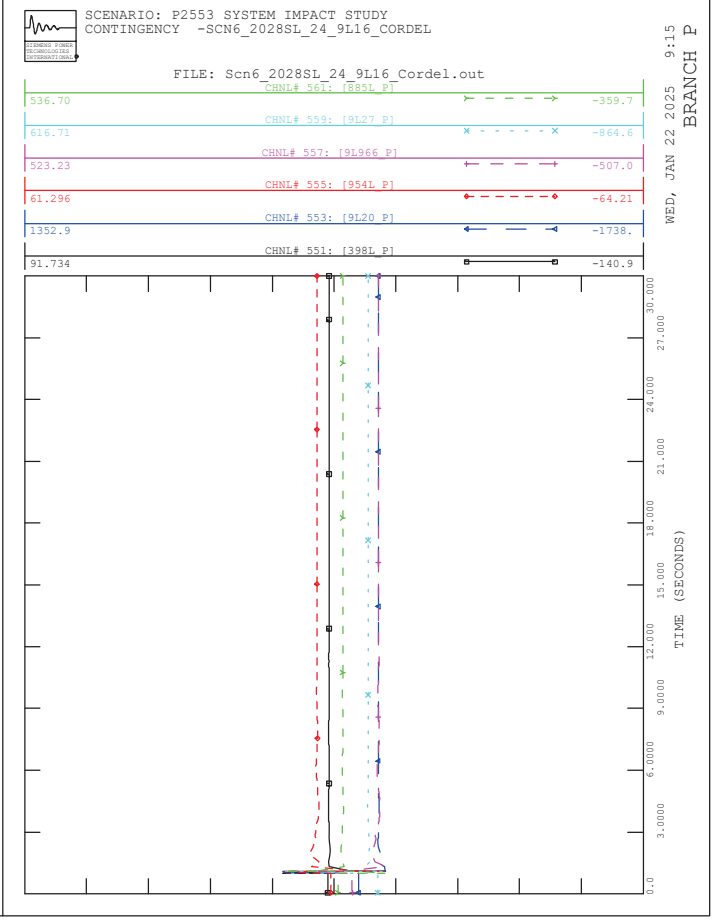
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_24_9L16_CORDEL
FILE: Scn6_2028SL_24_9L16_Cordel.out
CHNL# 561: [885L P]
536.70
-359.7
CHNL# 559: [9L27 P]
616.71
-864.6
CHNL# 557: [9L966 P]
523.23
-507.0
CHNL# 555: [954L P]
61.296
-64.21
CHNL# 553: [9L20 P]
1352.9
-1738.
CHNL# 551: [398L P]
91.734
-140.9
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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12.000
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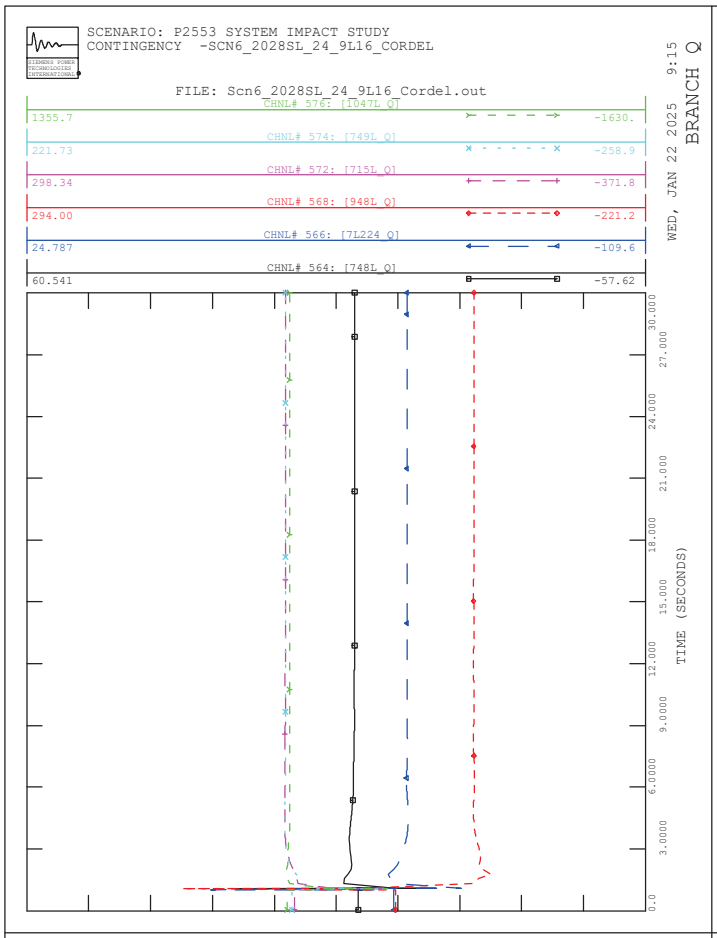
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_24_9L16_CORDEL
FILE: Scn6_2028SL_24_9L16_Cordel.out
CHNL# 576: [I047L Q]
1355.7
-1630.
CHNL# 574: [749L Q]
221.73
-258.9
CHNL# 572: [715L Q]
298.34
-371.8
CHNL# 568: [948L Q]
294.00
-221.2
CHNL# 566: [7L224 Q]
24.787
-109.6
CHNL# 564: [748L Q]
60.541
-57.62
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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6.0000
9.0000
12.000
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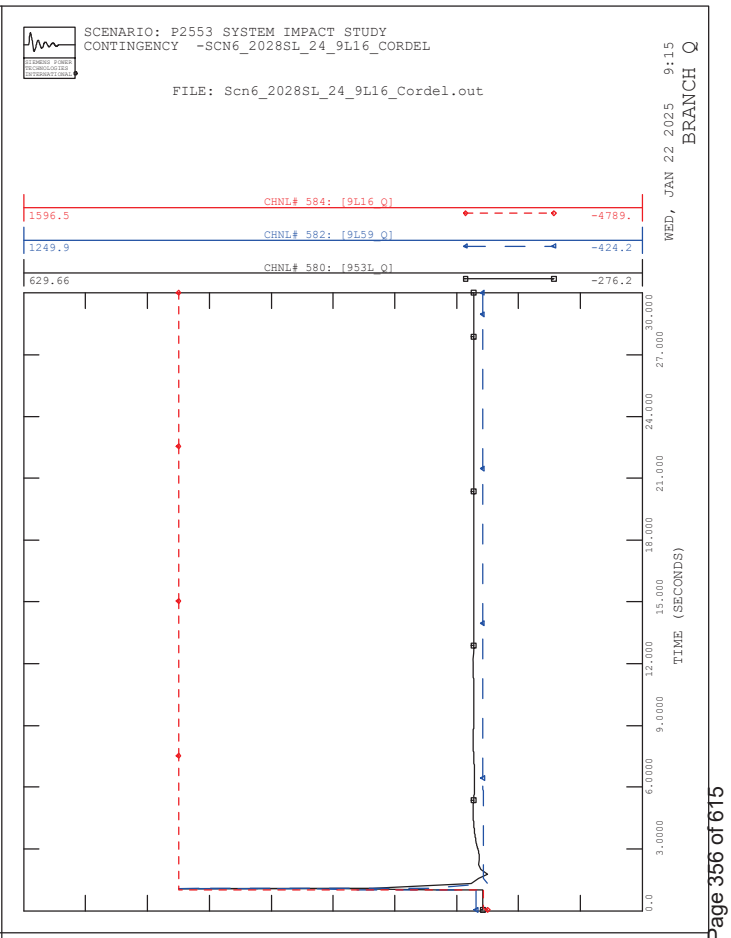
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_24_9L16_CORDEL
FILE: Scn6_2028SL_24_9L16_Cordel.out
CHNL# 584: [9L16 Q]
1596.5
-4789.
CHNL# 582: [9L59 Q]
1249.9
-424.2
CHNL# 580: [953L Q]
629.66
-276.2
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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6.0000
9.0000
12.000
15.000
18.000
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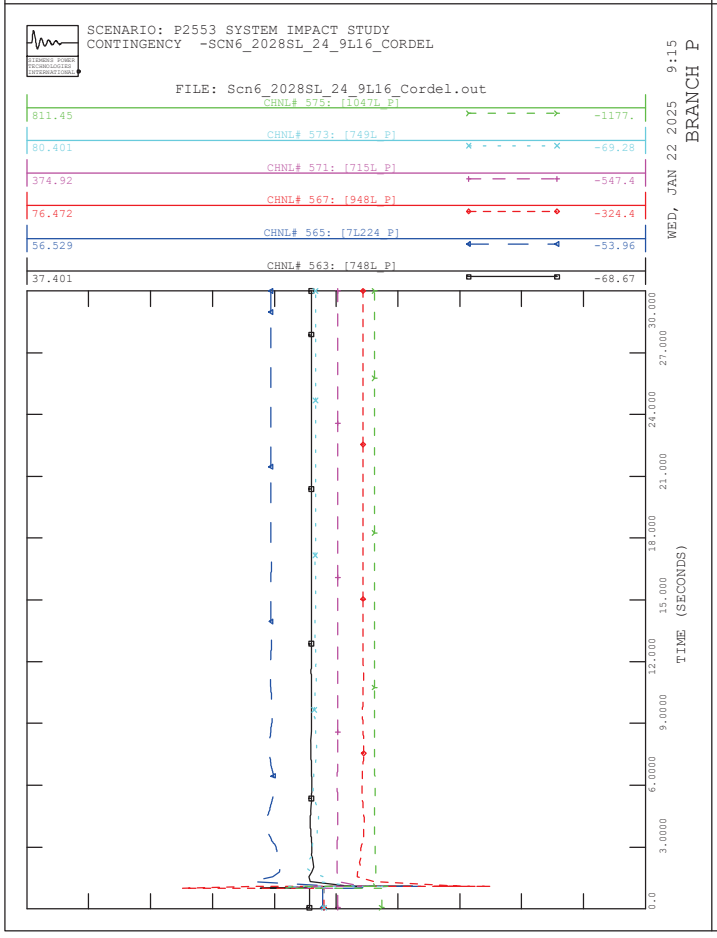
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_24_9L16_CORDEL
FILE: Scn6_2028SL_24_9L16_Cordel.out
CHNL# 575: [I047L P]
811.45
-1177.
CHNL# 573: [749L P]
80.401
-69.28
CHNL# 571: [715L P]
374.92
-547.4
CHNL# 567: [948L P]
76.472
-324.4
CHNL# 565: [7L224 P]
56.529
-53.96
CHNL# 563: [748L P]
37.401
-68.67
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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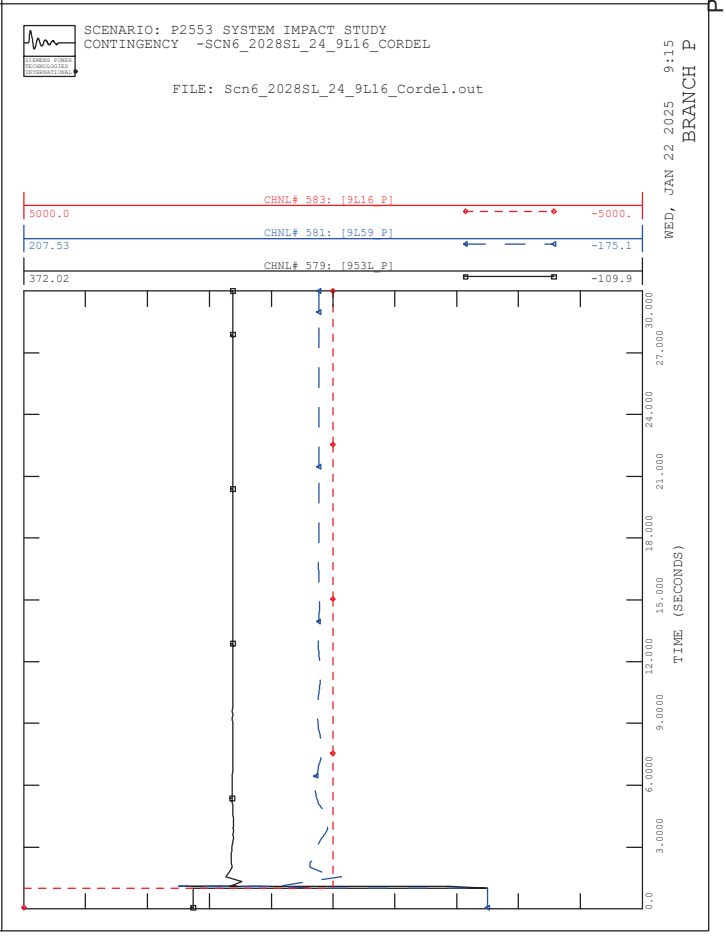
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_24_9L16_CORDEL
FILE: Scn6_2028SL_24_9L16_Cordel.out
CHNL# 583: [9L16 P]
5000.0
-5000.
CHNL# 581: [9L59 P]
207.53
-175.1
CHNL# 579: [953L P]
372.02
-109.9
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
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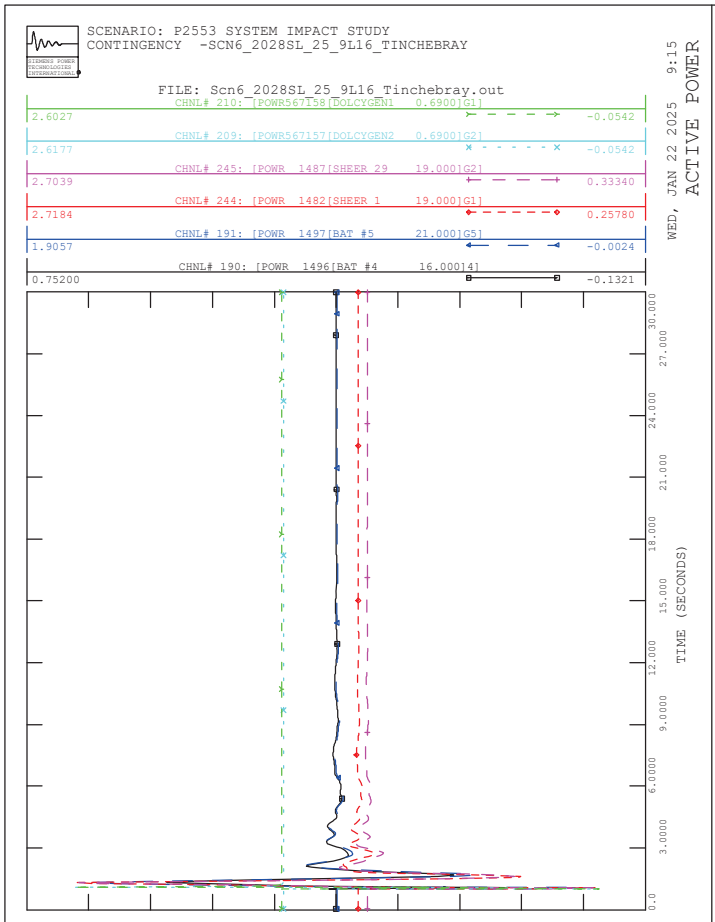
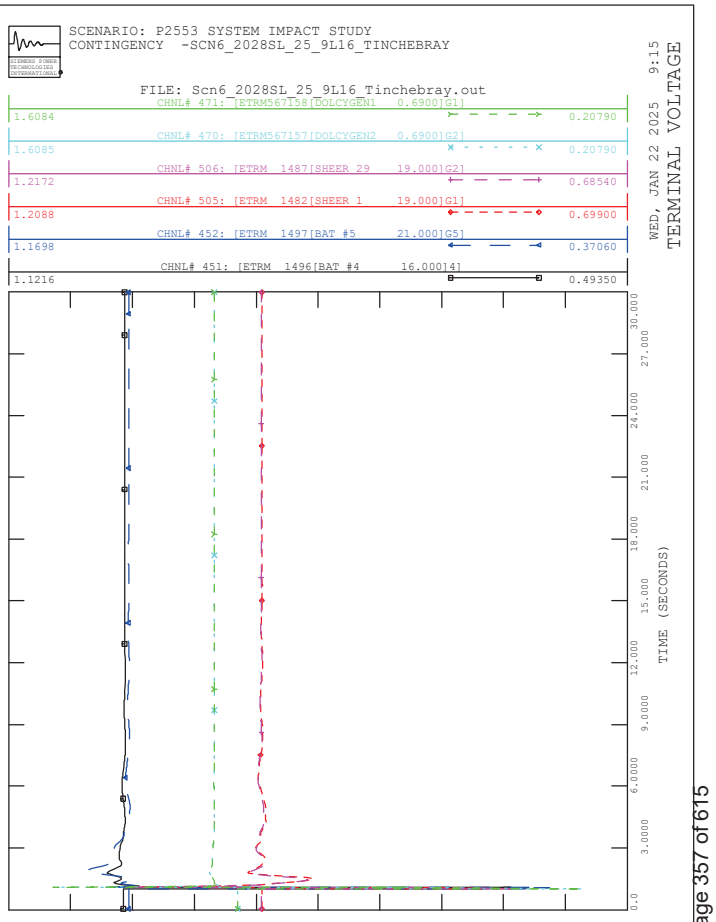
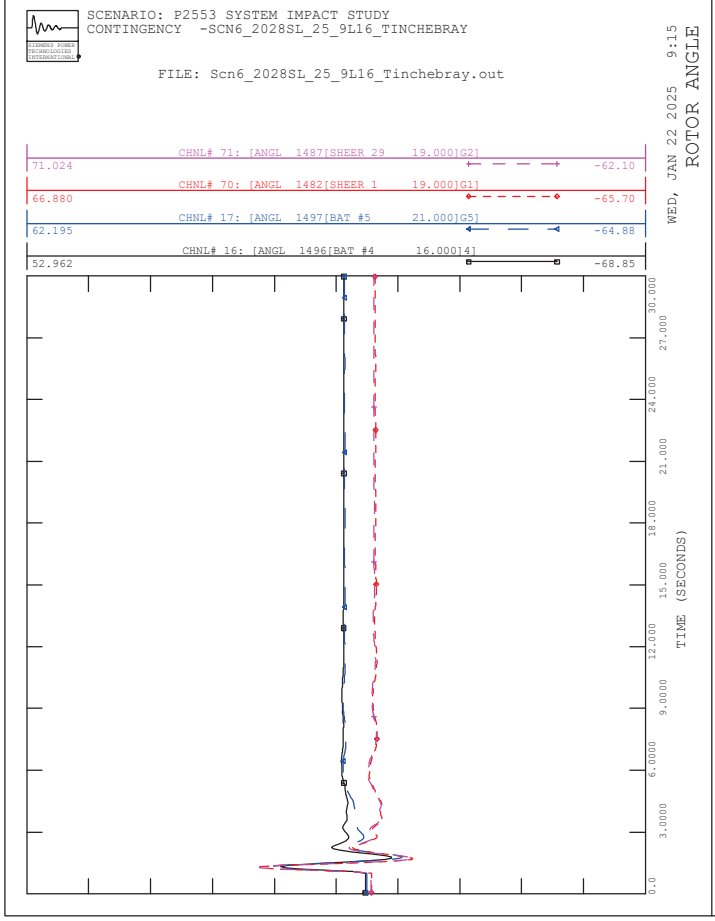
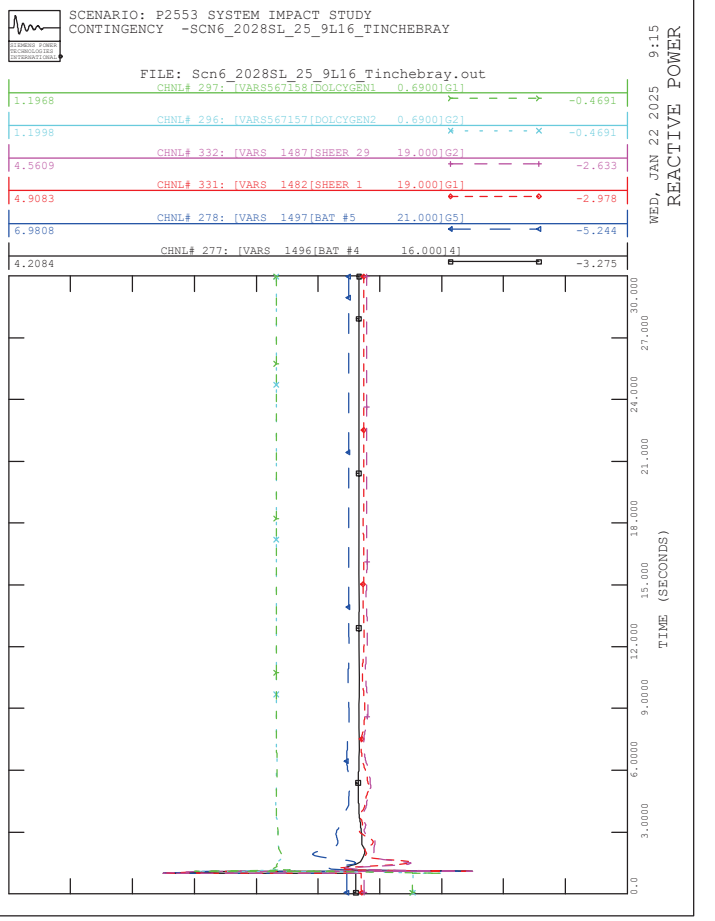
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_25_9L16_TINCHEBRAY
FILE: Scn6_2028SL_25_9L16_Tinchebray.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1] 2.6027 -0.0542
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2] 2.6177 -0.0542
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2] 2.7039 0.33340
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1] 2.7184 0.25780
CHNL# 191: [POWR 1497[BAT #5 21.000]G5] 1.9057 -0.0024
CHNL# 190: [POWR 1496[BAT #4 16.000]4] 0.75200 -0.1321
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_25_9L16_TINCHEBRAY
FILE: Scn6_2028SL_25_9L16_Tinchebray.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1] 1.6084 0.20790
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2] 1.6085 0.20790
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2] 1.2172 0.68540
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1] 1.2088 0.69900
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5] 1.1698 0.37060
CHNL# 451: [ETRM 1496[BAT #4 16.000]4] 1.1216 0.49350
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_25_9L16_TINCHEBRAY
FILE: Scn6_2028SL_25_9L16_Tinchebray.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2] 71.024 -62.10
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1] 66.880 -65.70
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5] 62.195 -64.88
CHNL# 16: [ANGL 1496[BAT #4 16.000]4] 52.962 -68.85
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_25_9L16_TINCHEBRAY
FILE: Scn6_2028SL_25_9L16_Tinchebray.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1] 1.1968 -0.4691
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2] 1.1998 -0.4691
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2] 4.5609 -2.633
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1] 4.9083 -2.978
CHNL# 278: [VARS 1497[BAT #5 21.000]G5] 6.9808 -5.244
CHNL# 277: [VARS 1496[BAT #4 16.000]4] 4.2084 -3.275
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_25_9L16_TINCHEBRAY

FILE: Scn6_2028SL_25_9L16_Tinchebray.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.5401 0.19440
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.4019 0.16820
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.2254 0.36750
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2980 0.07300
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.3403 0.09120
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.4954 0.19760

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_25_9L16_TINCHEBRAY

FILE: Scn6_2028SL_25_9L16_Tinchebray.out

WED, JAN 22 2025 9:15

BRANCH Q

CHNL# 562: [885L_Q]
353.81 -234.8
CHNL# 560: [9L27_Q]
643.01 -830.9
CHNL# 558: [9L966_Q]
1545.0 -1348.
CHNL# 556: [954L_Q]
98.710 -156.6
CHNL# 554: [9L20_Q]
2052.0 -1552.
CHNL# 552: [398L_Q]
107.76 -154.4

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_25_9L16_TINCHEBRAY

FILE: Scn6_2028SL_25_9L16_Tinchebray.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.4348 0.22680
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.4622 0.19550
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.4778 0.19830
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.4506 0.15040
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.4789 0.19880
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.5413 0.19620

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_25_9L16_TINCHEBRAY

FILE: Scn6_2028SL_25_9L16_Tinchebray.out

WED, JAN 22 2025 9:15

BRANCH P

CHNL# 561: [885L_P]
559.37 -368.3
CHNL# 559: [9L27_P]
687.67 -1007.
CHNL# 557: [9L966_P]
351.77 -371.9
CHNL# 555: [954L_P]
52.586 -58.06
CHNL# 553: [9L20_P]
1462.9 -1987.
CHNL# 551: [398L_P]
92.304 -139.4

TIME (SECONDS)

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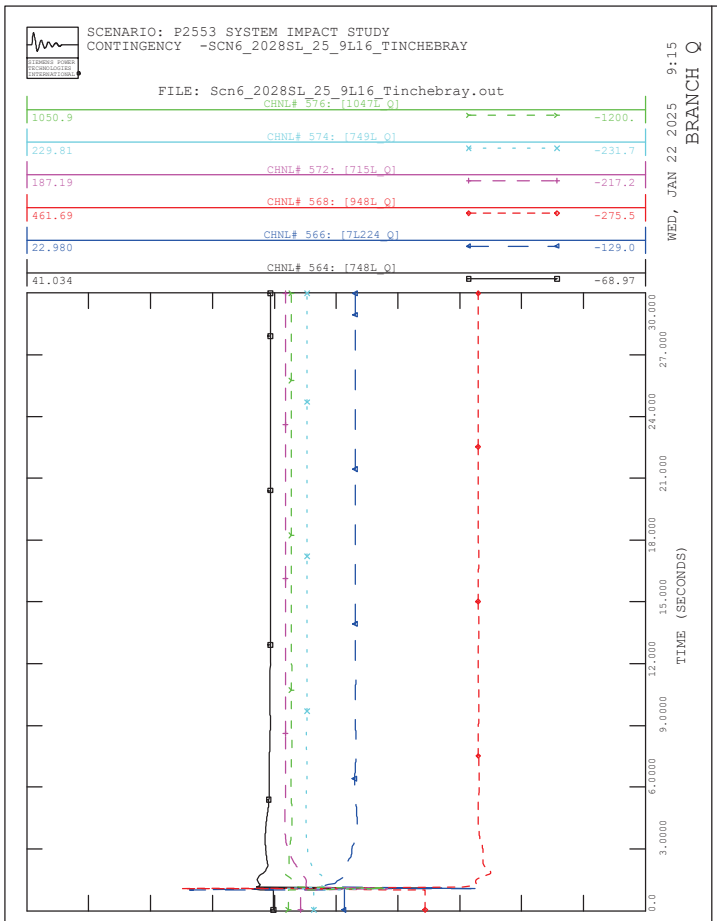
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CHNL# 576: [1047L Q]
1050.9
-1200.
CHNL# 574: [749L Q]
229.81
-231.7
CHNL# 572: [715L Q]
187.19
-217.2
CHNL# 568: [948L Q]
461.69
-275.5
CHNL# 566: [7L224 Q]
22.980
-129.0
CHNL# 564: [748L Q]
41.034
-68.97
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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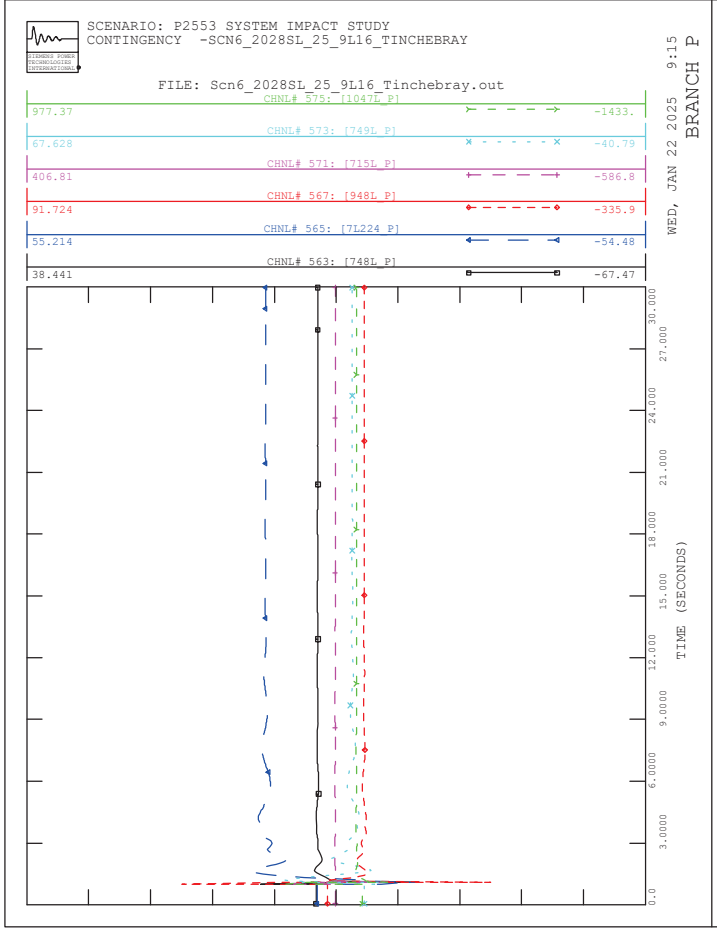
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CONTINGENCY -SCN6_2028SL_25_9L16_TINCHEBRAY
FILE: Scn6_2028SL_25_9L16_Tinchebray.out
CHNL# 575: [1047L P]
977.37
-1433.
CHNL# 573: [749L P]
67.628
-40.79
CHNL# 571: [715L P]
406.81
-586.8
CHNL# 567: [948L P]
91.724
-335.9
CHNL# 565: [7L224 P]
55.214
-54.48
CHNL# 563: [748L P]
38.441
-67.47
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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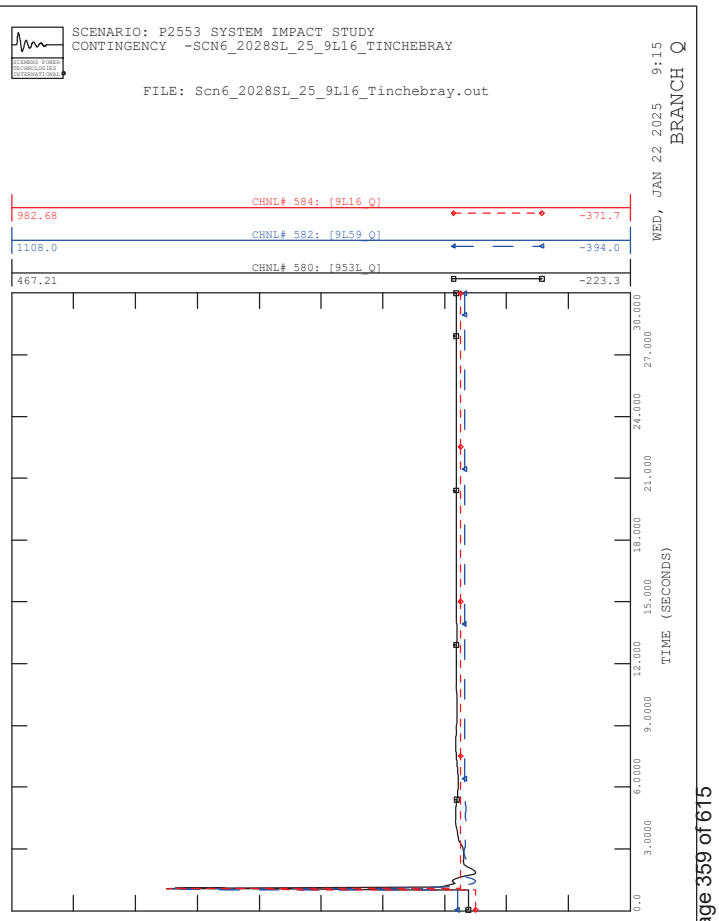
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CONTINGENCY -SCN6_2028SL_25_9L16_TINCHEBRAY
FILE: Scn6_2028SL_25_9L16_Tinchebray.out
CHNL# 584: [9L16 Q]
982.68
-371.7
CHNL# 582: [9L59 Q]
1108.0
-394.0
CHNL# 580: [953L Q]
467.21
-223.3
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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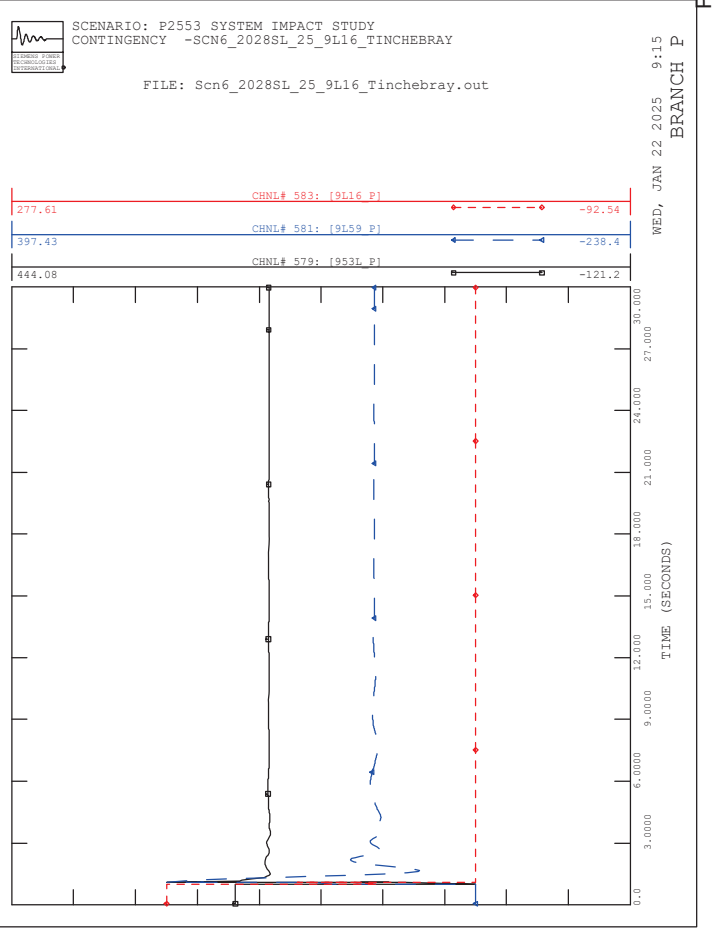
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CONTINGENCY -SCN6_2028SL_25_9L16_TINCHEBRAY
FILE: Scn6_2028SL_25_9L16_Tinchebray.out
CHNL# 583: [9L16 P]
277.61
-92.54
CHNL# 581: [9L59 P]
397.43
-238.4
CHNL# 579: [953L P]
444.08
-121.2
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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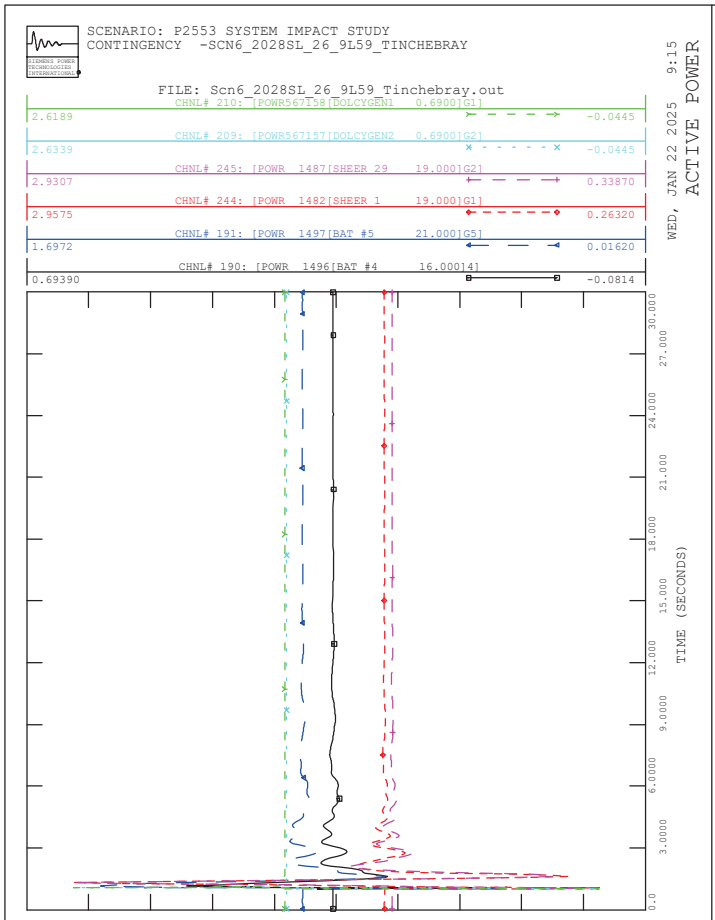
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CONTINGENCY -SCN6_2028SL_26_9L59_TINCHEBRAY
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CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.6189
-0.0445
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.6339
-0.0445
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
2.9307
0.33870
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
2.9575
0.26320
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.6972
0.01620
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.69390
-0.0814
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
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18.000
21.000
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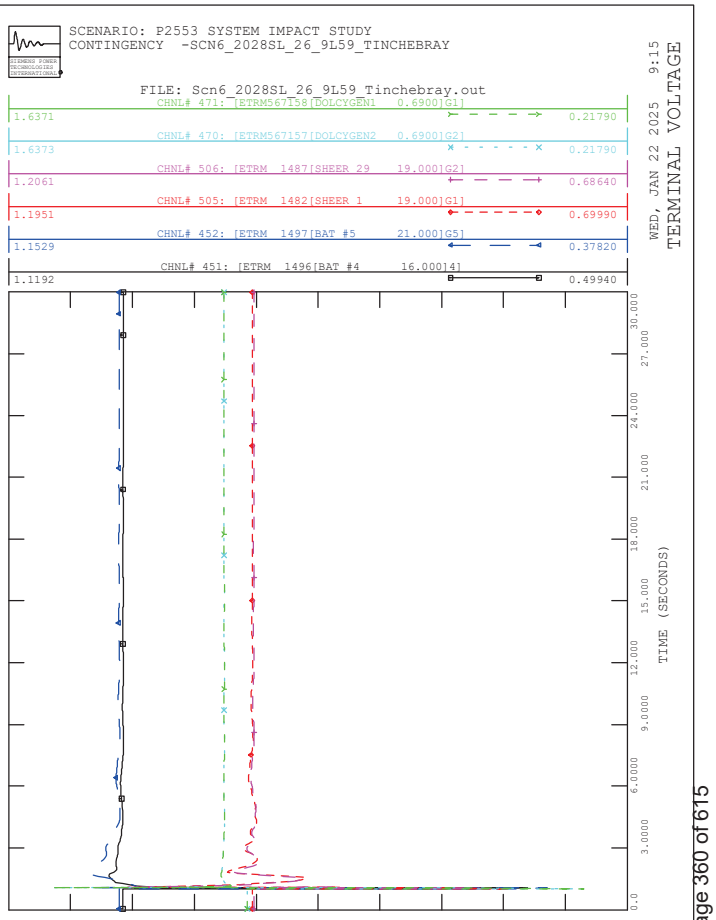
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_26_9L59_TINCHEBRAY
FILE: Scn6_2028SL_26_9L59_Tinchebray.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.6371
0.21790
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.6373
0.21790
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.2061
0.68640
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1951
0.69990
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1529
0.37820
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1192
0.49940
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
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18.000
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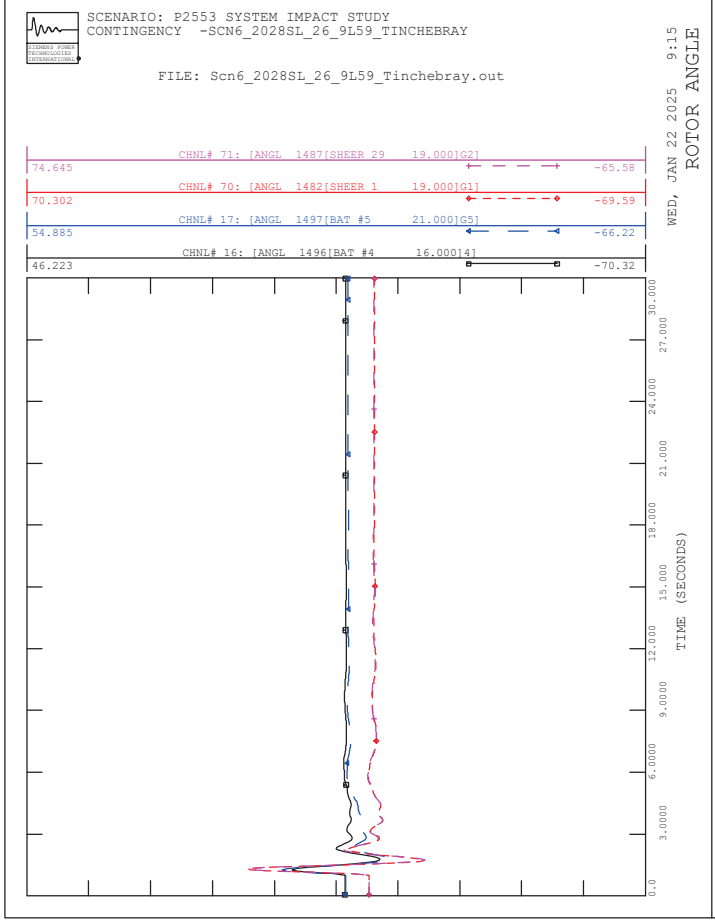
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_26_9L59_TINCHEBRAY
FILE: Scn6_2028SL_26_9L59_Tinchebray.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
74.645
-65.58
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
70.302
-69.59
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
54.885
-66.22
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
46.223
-70.32
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
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6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
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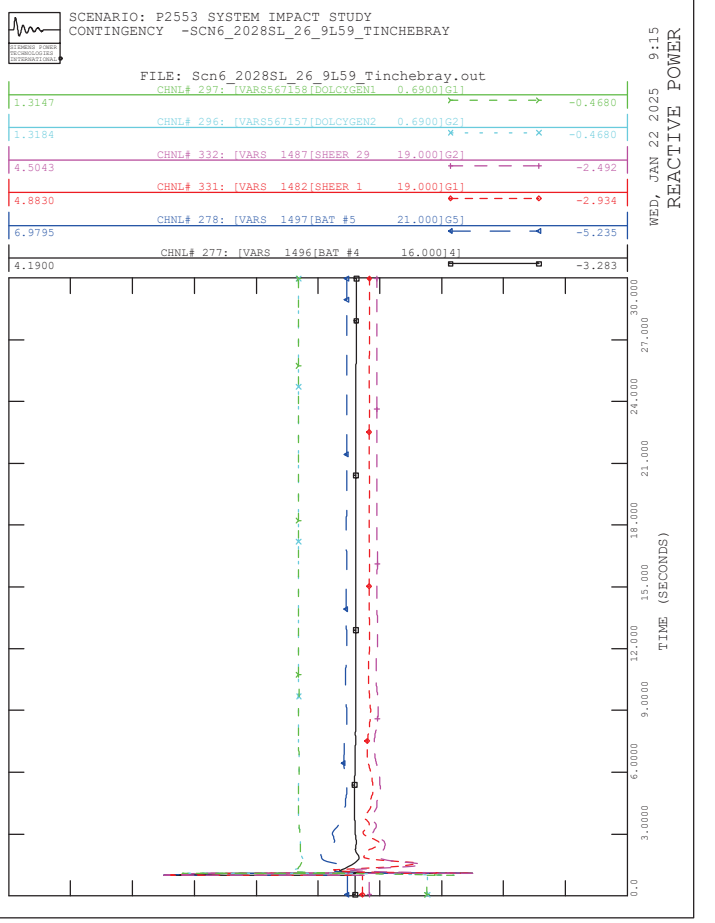
30.000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CONTINGENCY -SCN6_2028SL_26_9L59_TINCHEBRAY
FILE: Scn6_2028SL_26_9L59_Tinchebray.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.3147
-0.4680
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.3184
-0.4680
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
4.5043
-2.492
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
4.8830
-2.934
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
6.9795
-5.235
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
4.1900
-3.283
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_26_9L59_TINCHEBRAY

FILE: Scn6_2028SL_26_9L59_Tinchebray.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]] 1.5599 0.20440
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]] 1.4180 0.17840
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]] 1.2344 0.37560
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]] 1.3008 0.08550
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]] 1.3448 0.10320
CHNL# 539: [VOLT 86 [PROVOST7 138.00]] 1.5201 0.20680

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_26_9L59_TINCHEBRAY

FILE: Scn6_2028SL_26_9L59_Tinchebray.out

WED, JAN 22 2025 9:15

BRANCH Q

CHNL# 562: [885L Q] 338.27 -223.5
CHNL# 560: [9L27 Q] 636.63 -821.9
CHNL# 558: [9L966 Q] 1010.5 -1074.
CHNL# 556: [954L Q] 107.34 -169.2
CHNL# 554: [9L20 Q] 1351.4 -1102.
CHNL# 552: [398L Q] 121.10 -173.2

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_26_9L59_TINCHEBRAY

FILE: Scn6_2028SL_26_9L59_Tinchebray.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]] 1.4580 0.23570
CHNL# 544: [VOLT 814 [KILRY TP 138.00]] 1.4856 0.20470
CHNL# 537: [VOLT 74 [METIS647 138.00]] 1.4978 0.20760
CHNL# 547: [VOLT 1427 [NILREM3 240.00]] 1.4690 0.16120
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]] 1.4989 0.20810
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]] 1.5612 0.20610

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_26_9L59_TINCHEBRAY

FILE: Scn6_2028SL_26_9L59_Tinchebray.out

WED, JAN 22 2025 9:15

BRANCH P

CHNL# 561: [885L P] 634.14 -420.3
CHNL# 559: [9L27 P] 827.66 -1207.
CHNL# 557: [9L966 P] 766.13 -656.8
CHNL# 555: [954L P] 65.554 -77.25
CHNL# 553: [9L20 P] 1146.8 -1550.
CHNL# 551: [398L P] 93.128 -141.1

TIME (SECONDS)

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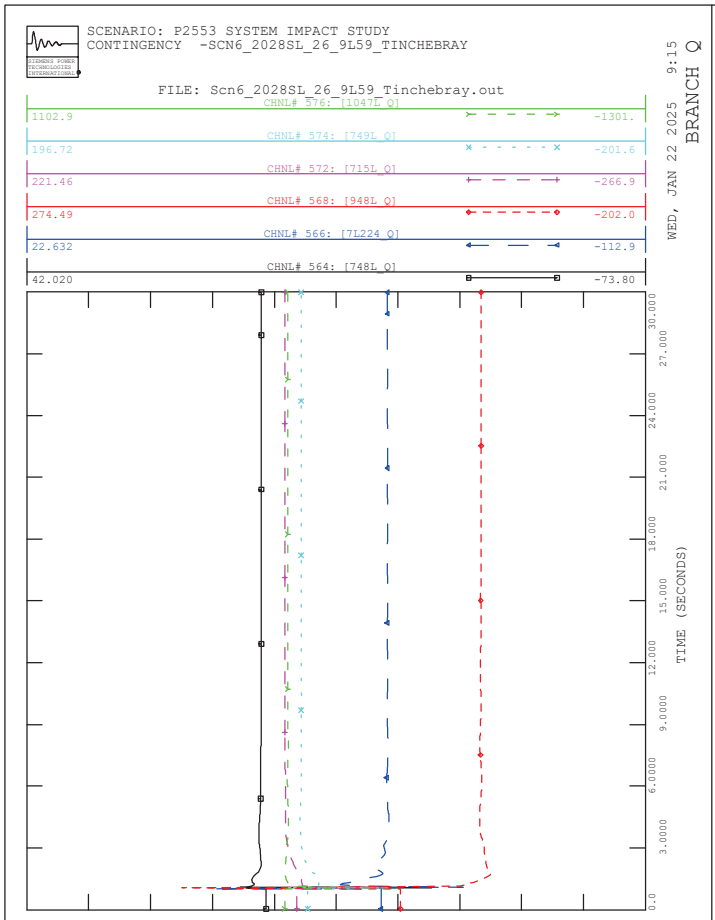
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FILE: Scn6_2028SL_26_9L59_Tinchebray.out
CHNL# 576: [1047L Q]
1102.9
-1301.
CHNL# 574: [749L Q]
196.72
-201.6
CHNL# 572: [715L Q]
221.46
-266.9
CHNL# 568: [948L Q]
274.49
-202.0
CHNL# 566: [7L224 Q]
22.632
-112.9
CHNL# 564: [748L Q]
42.020
-73.80
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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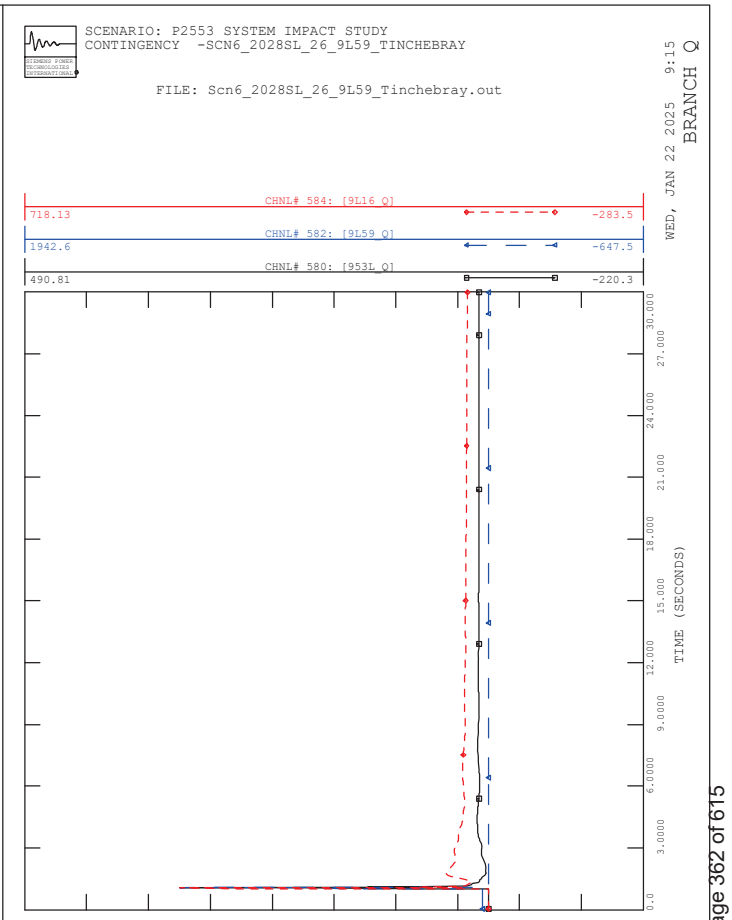
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FILE: Scn6_2028SL_26_9L59_Tinchebray.out
CHNL# 584: [9L16 Q]
718.13
-283.5
CHNL# 582: [9L59 Q]
1942.6
-647.5
CHNL# 580: [953L Q]
490.81
-220.3
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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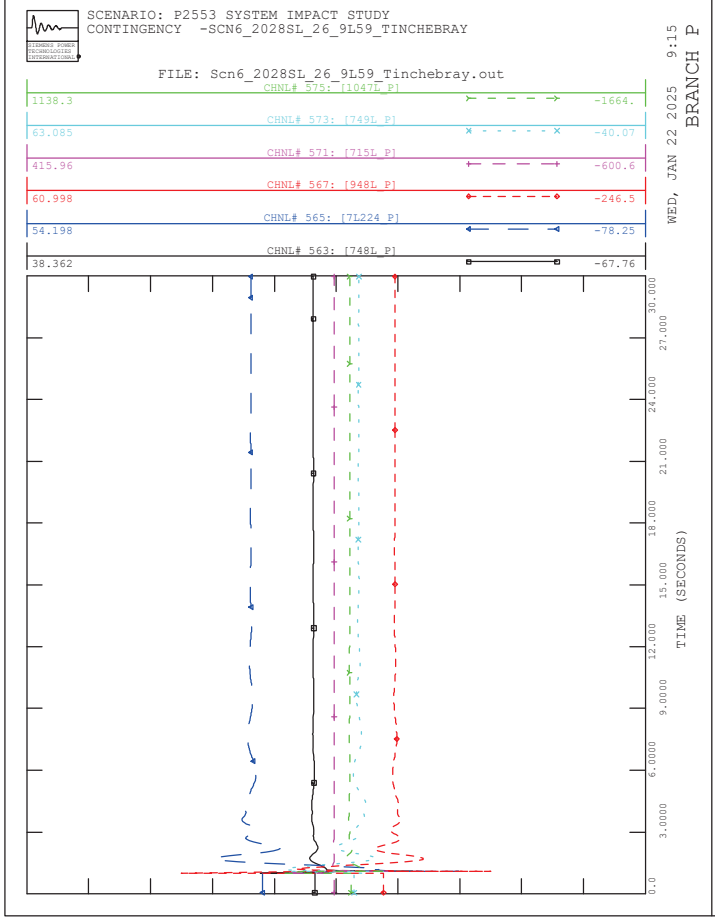
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CONTINGENCY -SCN6_2028SL_26_9L59_TINCHEBRAY
FILE: Scn6_2028SL_26_9L59_Tinchebray.out
CHNL# 575: [1047L P]
1138.3
-1664.
CHNL# 573: [749L P]
63.085
-40.07
CHNL# 571: [715L P]
415.96
-600.6
CHNL# 567: [948L P]
60.998
-246.5
CHNL# 565: [7L224 P]
54.198
-78.25
CHNL# 563: [748L P]
38.362
-67.76
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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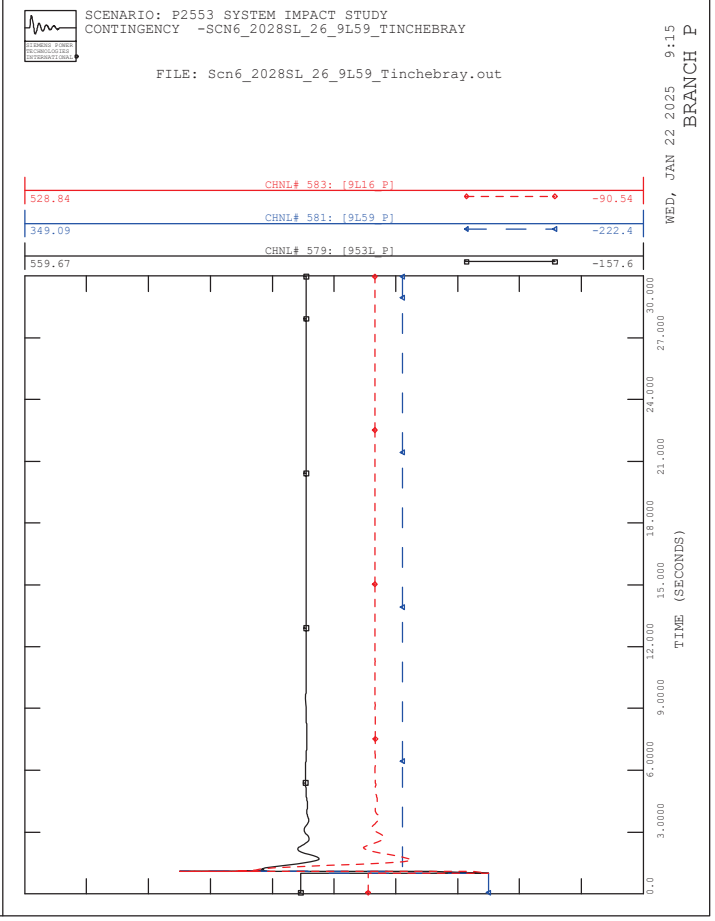
30.000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CONTINGENCY -SCN6_2028SL_26_9L59_TINCHEBRAY
FILE: Scn6_2028SL_26_9L59_Tinchebray.out
CHNL# 583: [9L16 P]
528.84
-90.54
CHNL# 581: [9L59 P]
349.09
-222.4
CHNL# 579: [953L P]
559.67
-157.6
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
0.0
3.0000
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18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_27_9L59_ANDERSON

FILE: Scn6_2028SL_27_9L59_Anderson.out

WED, JAN 22 2025 9:15

ACTIVE POWER

CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1] 2.2593 0.26590
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2] 2.2717 0.26590
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2] 2.8851 -0.1308
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1] 2.9111 -0.1310
CHNL# 191: [POWR 1497[BAT #5 21.000]G5] 1.3577 0.12850
CHNL# 190: [POWR 1496[BAT #4 16.000]4] 0.69280 -0.2833

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_27_9L59_ANDERSON

FILE: Scn6_2028SL_27_9L59_Anderson.out

WED, JAN 22 2025 9:15

TERMINAL VOLTAGE

CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1] 1.3743 0.45030
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2] 1.3744 0.45030
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2] 1.1558 0.23100
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1] 1.1478 0.25400
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5] 1.1288 0.70780
CHNL# 451: [ETRM 1496[BAT #4 16.000]4] 1.1163 0.73080

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_27_9L59_ANDERSON

FILE: Scn6_2028SL_27_9L59_Anderson.out

WED, JAN 22 2025 9:15

ROTOR ANGLE

CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2] 73.926 -63.71
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1] 69.089 -67.54
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5] 51.735 -64.07
CHNL# 16: [ANGL 1496[BAT #4 16.000]4] 44.528 -70.23

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_27_9L59_ANDERSON

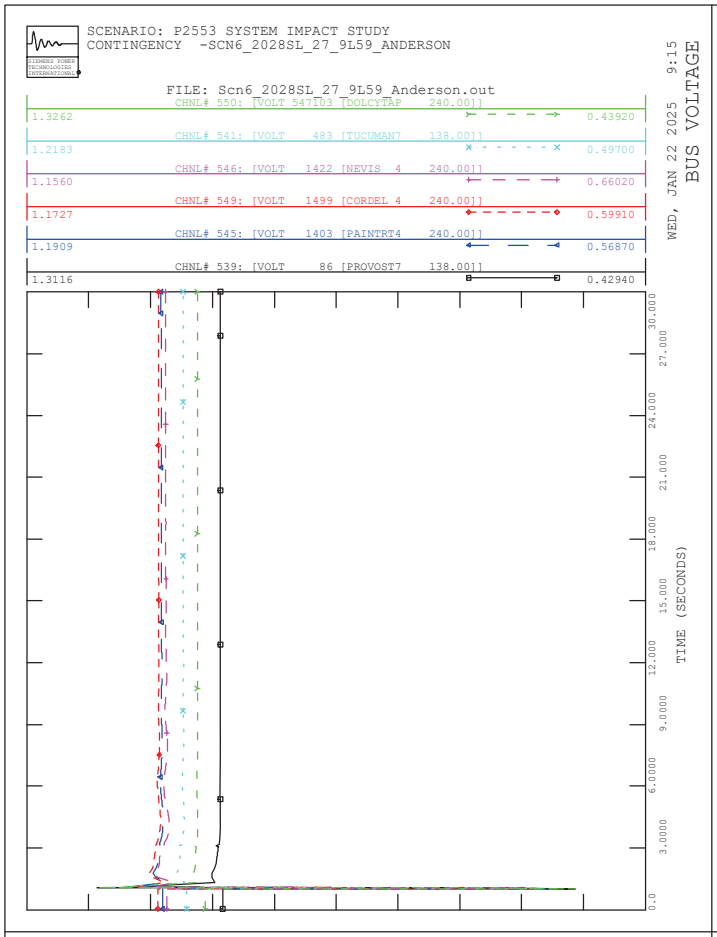
FILE: Scn6_2028SL_27_9L59_Anderson.out

WED, JAN 22 2025 9:15

REACTIVE POWER

CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1] 0.99200 -0.4447
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2] 0.99400 -0.4447
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2] 6.3776 -4.400
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1] 7.2880 -5.022
CHNL# 278: [VARS 1497[BAT #5 21.000]G5] 4.0209 -1.359
CHNL# 277: [VARS 1496[BAT #4 16.000]4] 2.1420 -1.060

TIME (SECONDS)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CONTINGENCY -SCN6_2028SL_27_9L59_ANDERSON
FILE: Scn6_2028SL_27_9L59_Anderson.out
CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.3262
0.43920
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.2183
0.49700
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.1560
0.66020
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.1727
0.59910
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.1909
0.56870
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.3116
0.42940
WED, JAN 22 2025 9:15
BUS VOLTAGE
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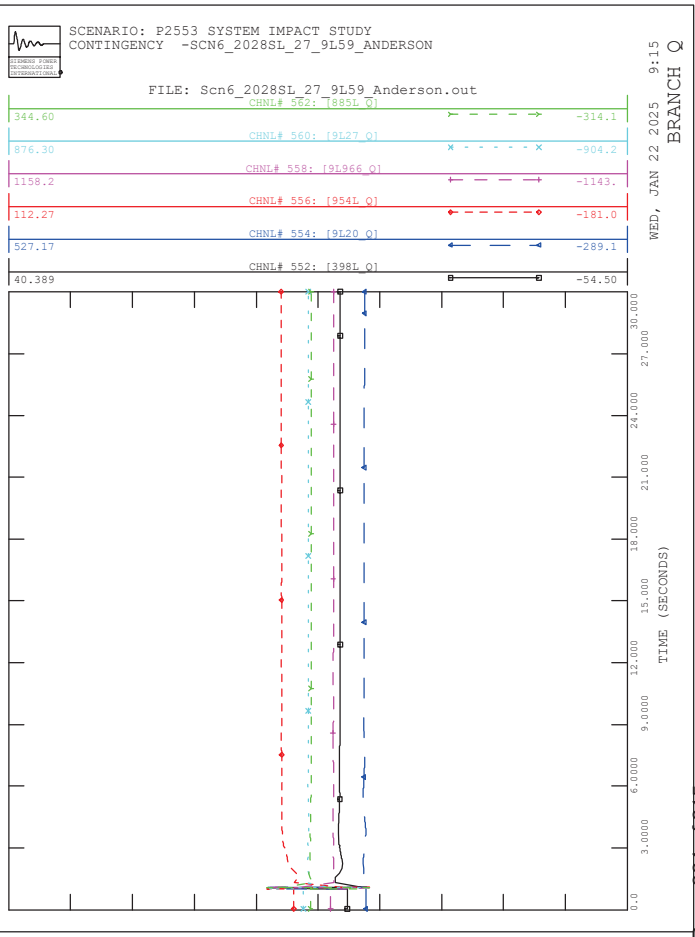
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CHNL# 560: [9L27 Q]
876.30
-904.2
CHNL# 558: [9L966 Q]
1158.2
-1143.
CHNL# 556: [954L Q]
112.27
-181.0
CHNL# 554: [9L20 Q]
527.17
-289.1
CHNL# 552: [398L Q]
40.389
-54.50
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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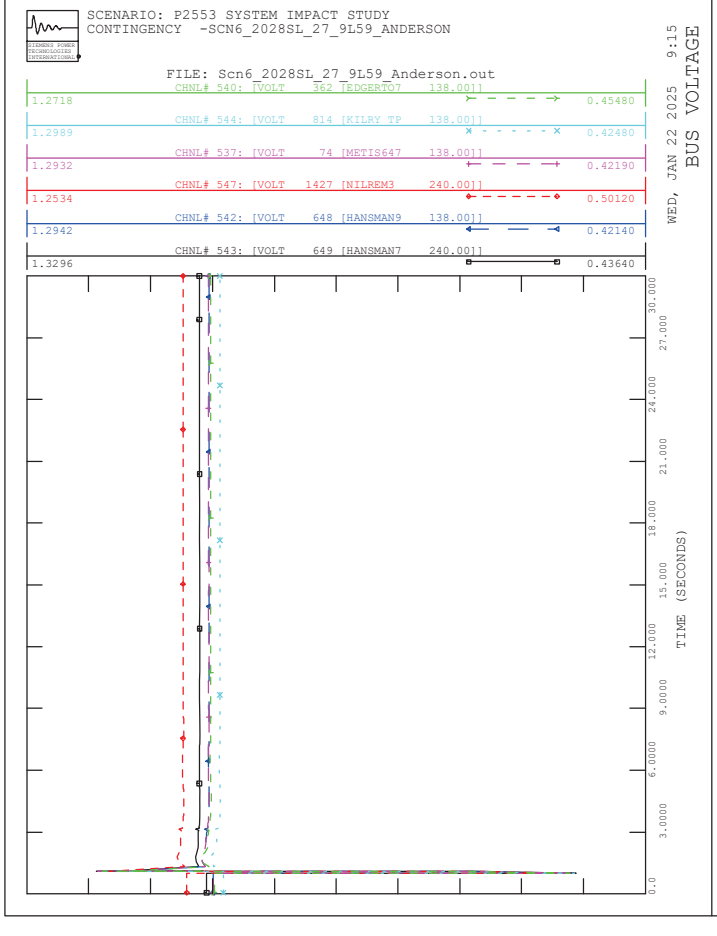
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FILE: Scn6_2028SL_27_9L59_Anderson.out
CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
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CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.2989
0.42480
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.2932
0.42190
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.2534
0.50120
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.2942
0.42140
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.3296
0.43640
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BUS VOLTAGE
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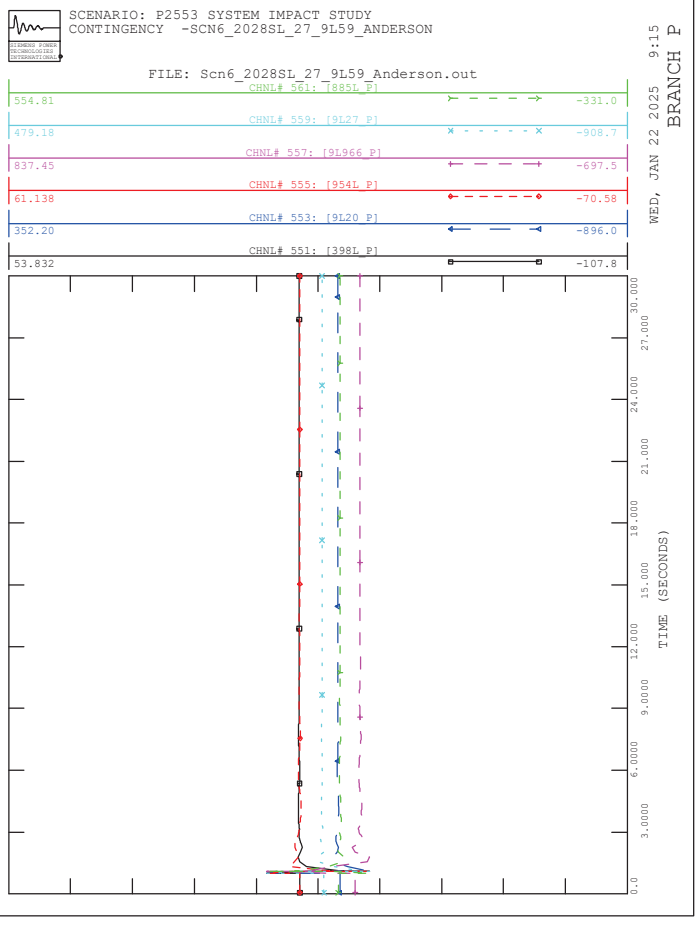
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CHNL# 557: [9L966 P]
837.45
-697.5
CHNL# 555: [954L P]
61.138
-70.58
CHNL# 553: [9L20 P]
352.20
-896.0
CHNL# 551: [398L P]
53.832
-107.8
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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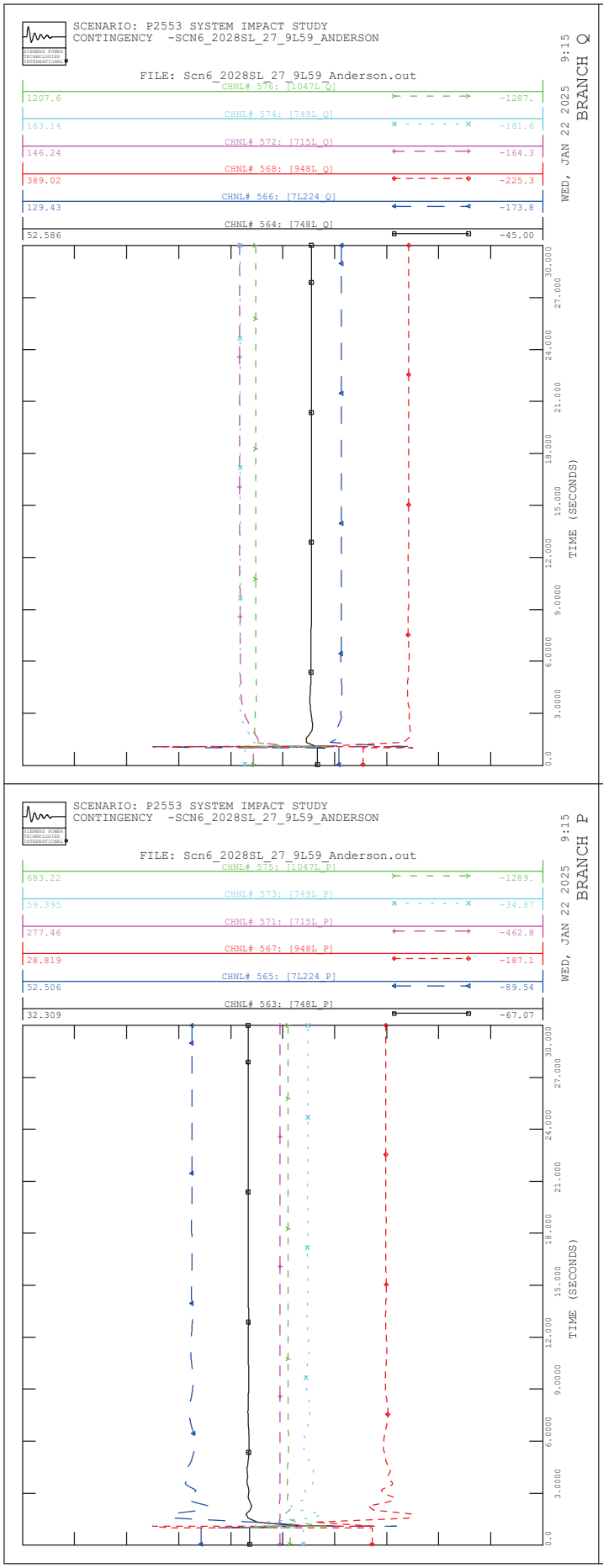
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CHNL# 574: [749L Q]
163.14
-181.6
CHNL# 572: [715L Q]
146.24
-164.3
CHNL# 568: [948L Q]
389.02
-225.3
CHNL# 566: [7L224 Q]
129.43
-173.8
CHNL# 564: [748L Q]
52.586
-45.00
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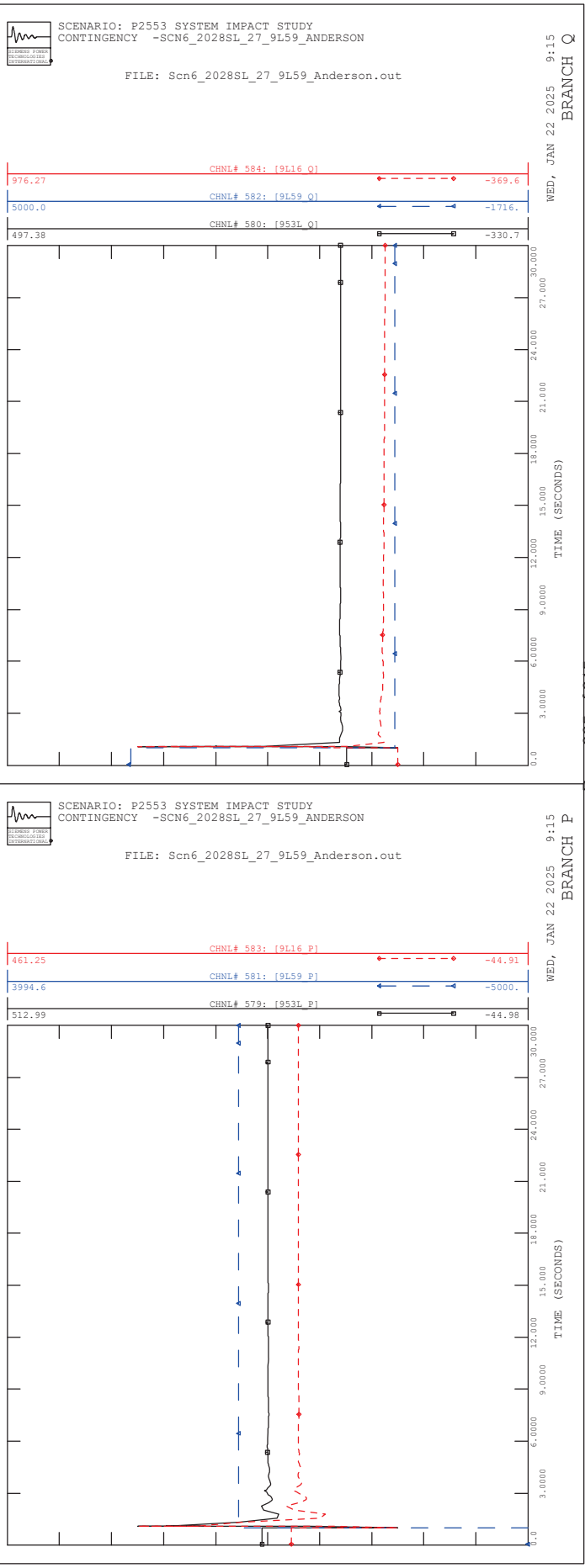
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-369.6
CHNL# 582: [9L59 Q]
5000.0
-1716.
CHNL# 580: [953L Q]
497.38
-330.7
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TIME (SECONDS)
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3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_27_9L59_ANDERSON
FILE: Scn6_2028SL_27_9L59_Anderson.out
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683.22
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CHNL# 573: [749L P]
59.395
-34.87
CHNL# 571: [715L P]
277.46
-462.8
CHNL# 567: [948L P]
28.819
-187.1
CHNL# 565: [7L224 P]
52.506
-89.54
CHNL# 563: [748L P]
32.309
-67.07
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BRANCH P
TIME (SECONDS)
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3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_27_9L59_ANDERSON
FILE: Scn6_2028SL_27_9L59_Anderson.out
CHNL# 583: [9L16 P]
461.25
-44.91
CHNL# 581: [9L59 P]
3994.6
-5000.
CHNL# 579: [953L P]
512.99
-44.98
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BRANCH P
TIME (SECONDS)
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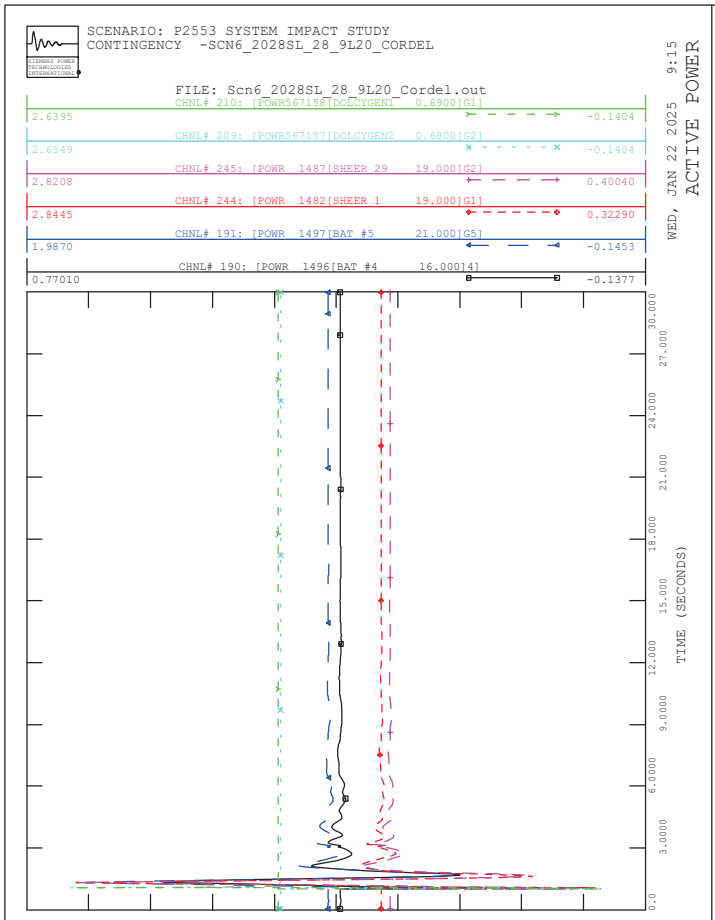
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CONTINGENCY -SCN6_2028SL_28_9L20_CORDEL
FILE: Scn6_2028SL_28_9L20_Cordel.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.6395
-0.1404
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.6549
-0.1404
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
2.8208
0.40040
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
2.8445
0.32290
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.9870
-0.1453
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.77010
-0.1377
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
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6.0000
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12.000
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18.000
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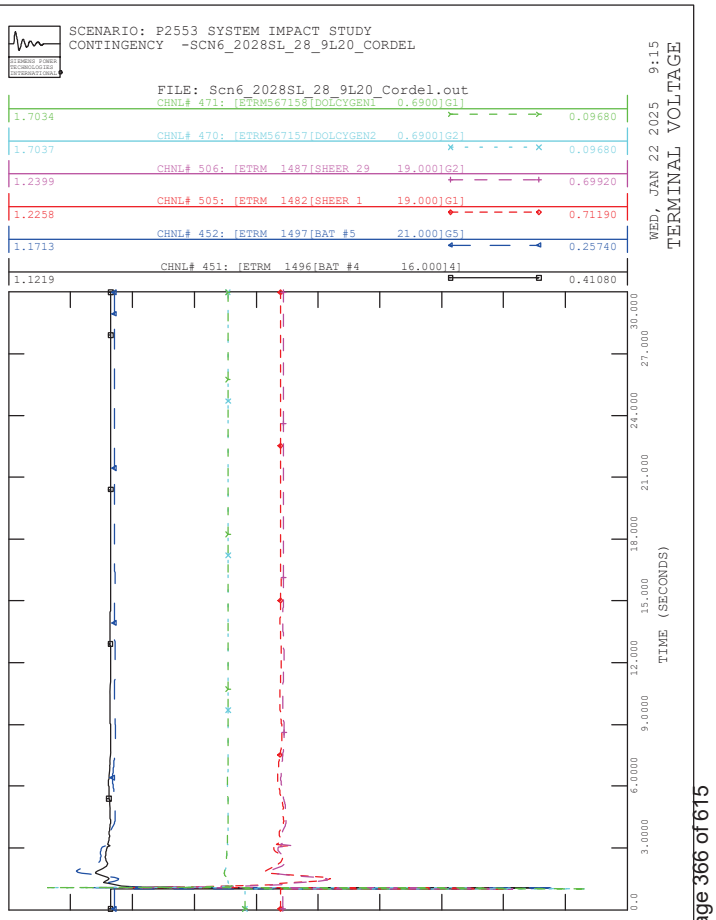
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_28_9L20_CORDEL
FILE: Scn6_2028SL_28_9L20_Cordel.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.7034
0.09680
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.7037
0.09680
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.2399
0.69920
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.2258
0.71190
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1713
0.25740
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1219
0.41080
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
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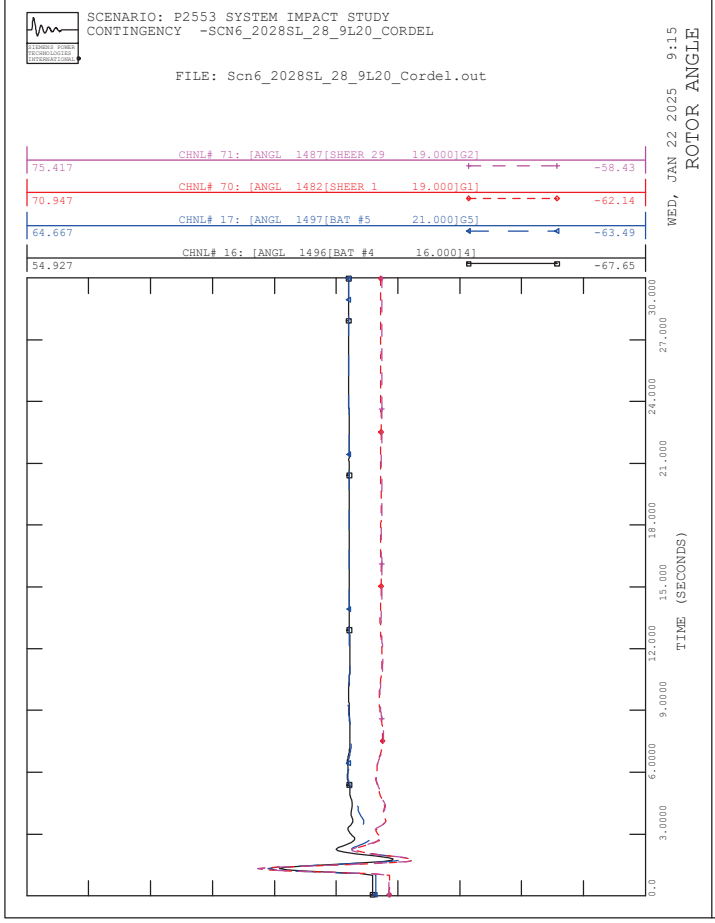
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CONTINGENCY -SCN6_2028SL_28_9L20_CORDEL
FILE: Scn6_2028SL_28_9L20_Cordel.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
75.417
-58.43
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
70.947
-62.14
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
64.667
-63.49
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
54.927
-67.65
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
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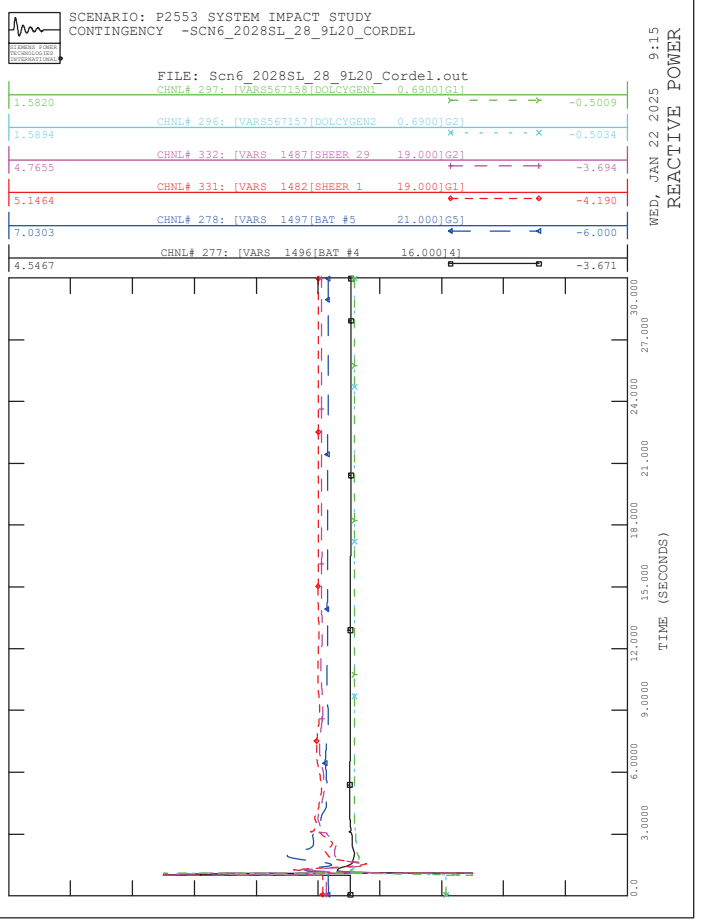
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CONTINGENCY -SCN6_2028SL_28_9L20_CORDEL
FILE: Scn6_2028SL_28_9L20_Cordel.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.5820
-0.5009
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.5894
-0.5034
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
4.7655
-3.694
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
5.1464
-4.190
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
7.0303
-6.000
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
4.5467
-3.671
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
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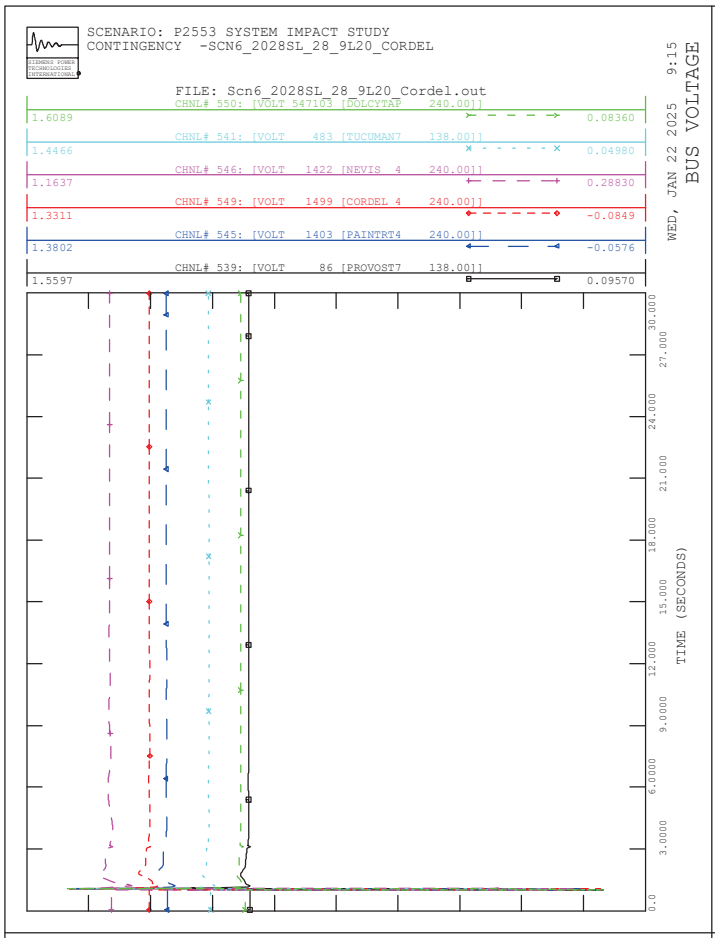
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FILE: Scn6_2028SL_28_9L20_Cordel.out
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1.6089
0.08360
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.4466
0.04980
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.1637
0.28830
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.3311
-0.0849
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.3802
-0.0576
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.5597
0.09570
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
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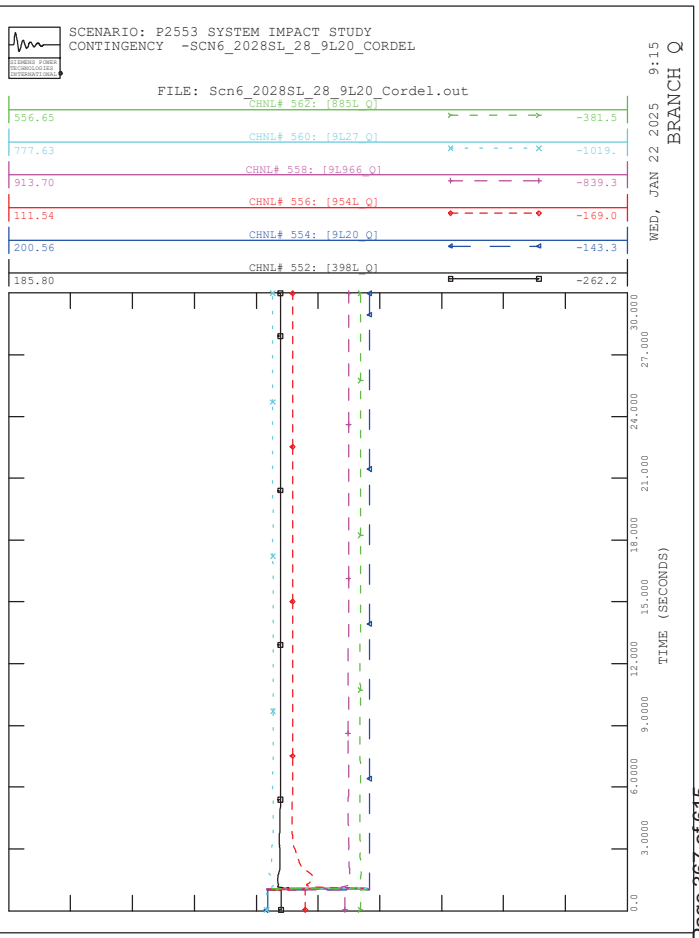
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CONTINGENCY -SCN6_2028SL_28_9L20_CORDEL
FILE: Scn6_2028SL_28_9L20_Cordel.out
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556.65
-381.5
CHNL# 560: [9L27_Q]
777.63
-1019.
CHNL# 558: [9L966_Q]
913.70
-839.3
CHNL# 556: [954L_Q]
111.54
-169.0
CHNL# 554: [9L20_Q]
200.56
-143.3
CHNL# 552: [398L_Q]
185.80
-262.2
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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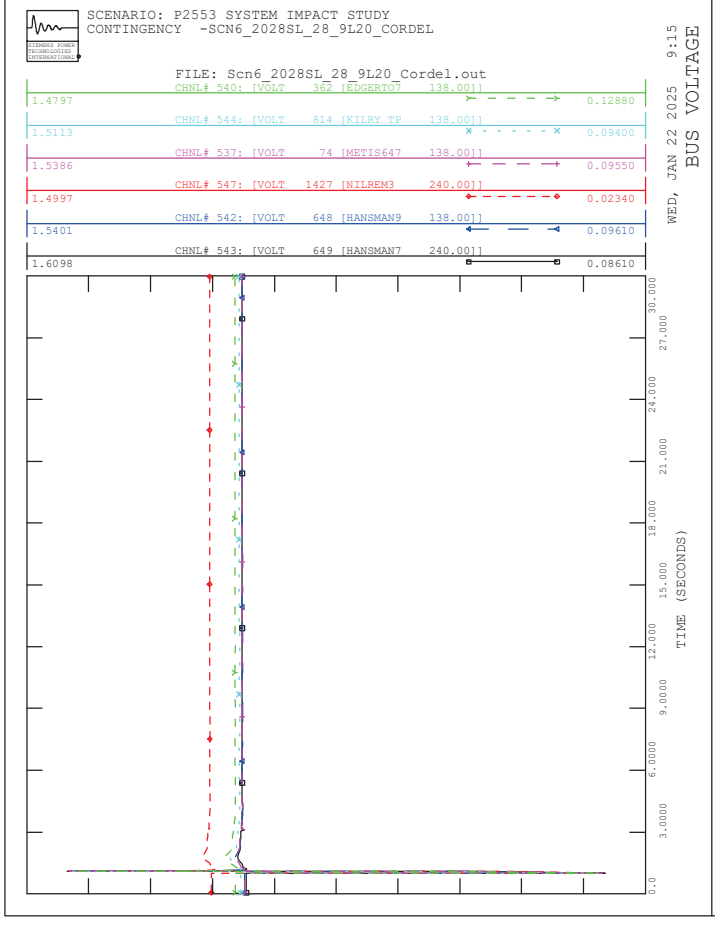
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_28_9L20_CORDEL
FILE: Scn6_2028SL_28_9L20_Cordel.out
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1.4797
0.12880
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.5113
0.09400
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.5386
0.09550
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.4997
0.02340
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.5401
0.09610
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.6098
0.08610
WED, JAN 22 2025 9:15
BUS VOLTAGE
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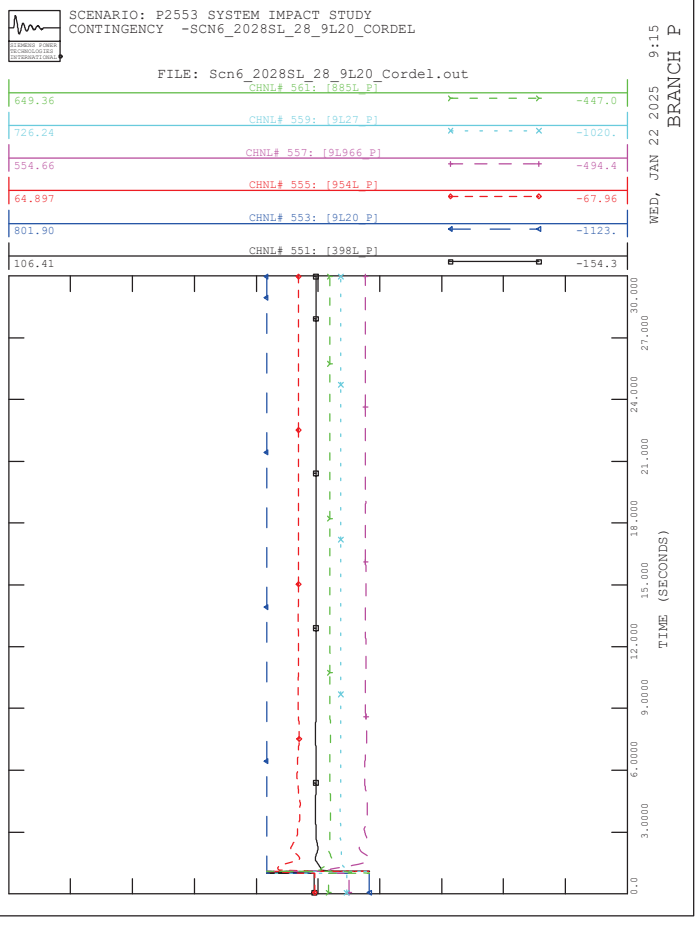
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_28_9L20_CORDEL
FILE: Scn6_2028SL_28_9L20_Cordel.out
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CHNL# 559: [9L27_P]
726.24
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CHNL# 557: [9L966_P]
554.66
-494.4
CHNL# 555: [954L_P]
64.897
-67.96
CHNL# 553: [9L20_P]
801.90
-1123.
CHNL# 551: [398L_P]
106.41
-154.3
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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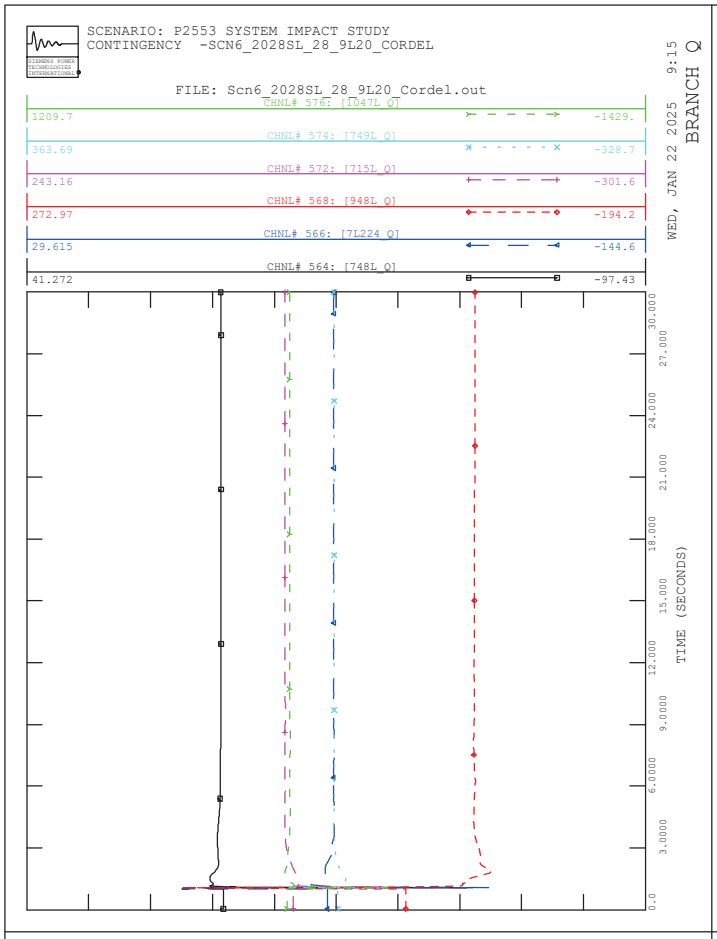
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CONTINGENCY -SCN6_2028SL_28_9L20_CORDEL
FILE: Scn6_2028SL_28_9L20_Cordel.out
CHNL# 576: [1047L_Q]
1209.7
-1429.
CHNL# 574: [749L_Q]
363.69
-328.7
CHNL# 572: [715L_Q]
243.16
-301.6
CHNL# 568: [948L_Q]
272.97
-194.2
CHNL# 566: [7L224_Q]
29.615
-144.6
CHNL# 564: [748L_Q]
41.272
-97.43
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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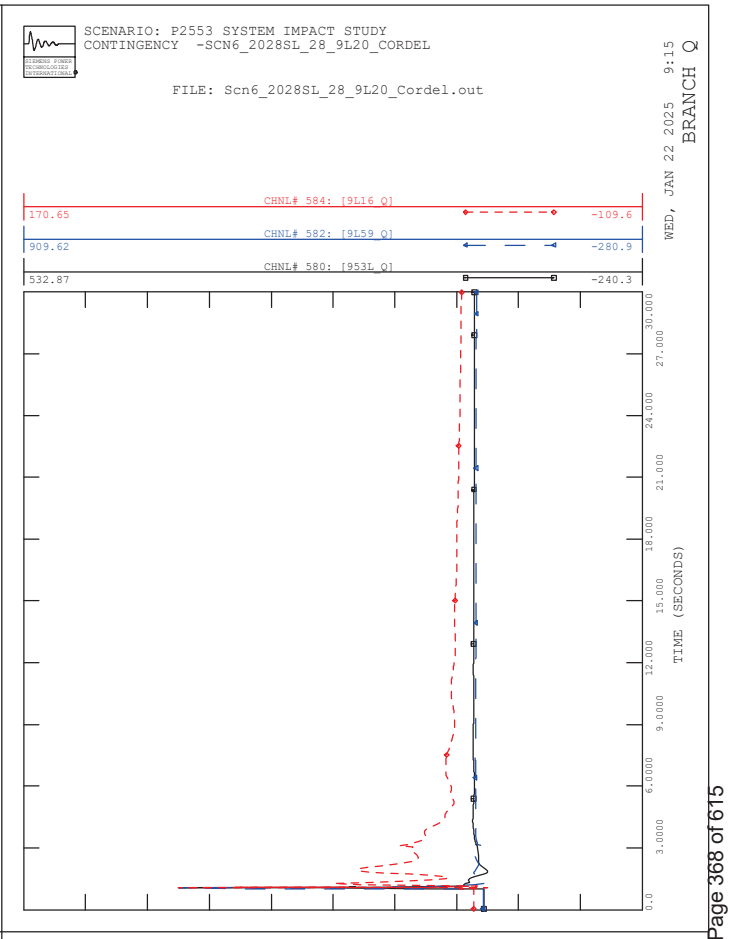
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CONTINGENCY -SCN6_2028SL_28_9L20_CORDEL
FILE: Scn6_2028SL_28_9L20_Cordel.out
CHNL# 584: [9L16_Q]
170.65
-109.6
CHNL# 582: [9L59_Q]
909.62
-280.9
CHNL# 580: [953L_Q]
532.87
-240.3
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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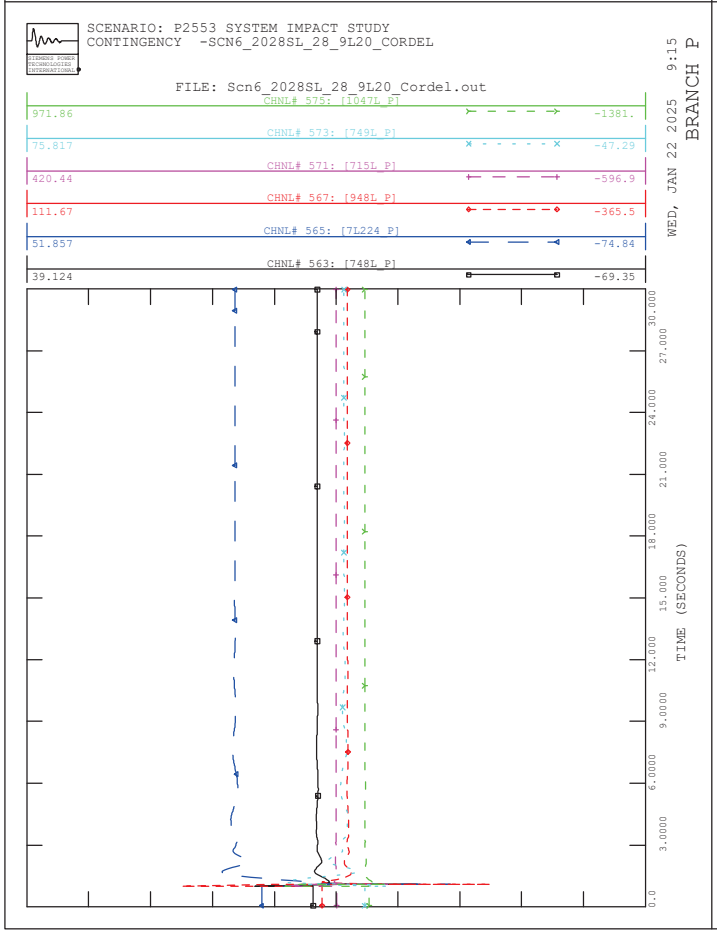
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CHNL# 573: [749L_P]
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CHNL# 571: [715L_P]
420.44
-596.9
CHNL# 567: [948L_P]
111.67
-365.5
CHNL# 565: [7L224_P]
51.857
-74.84
CHNL# 563: [748L_P]
39.124
-69.35
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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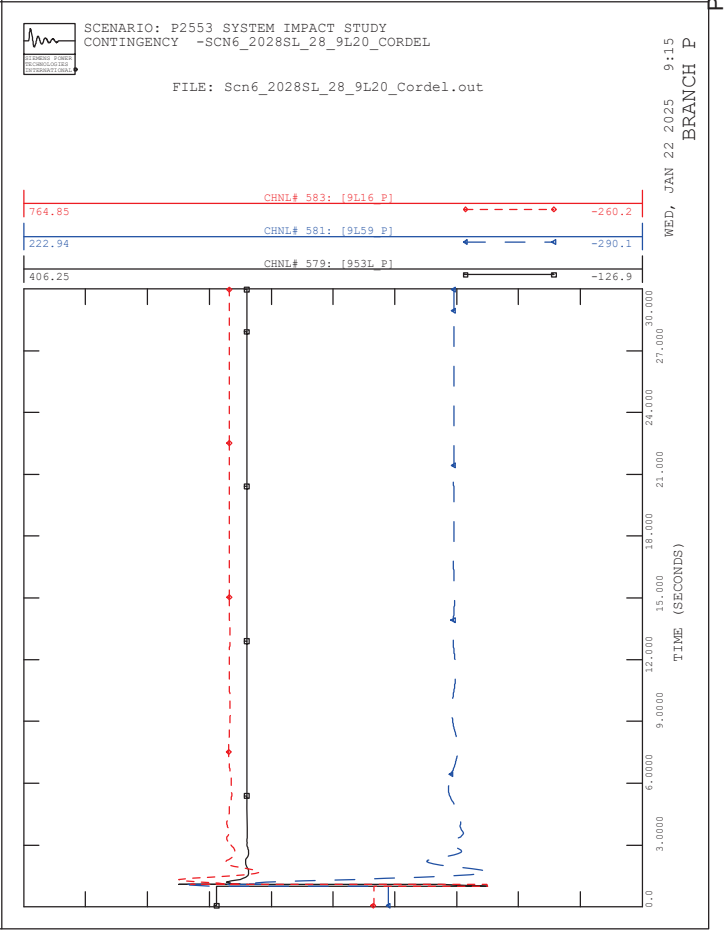
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_28_9L20_CORDEL
FILE: Scn6_2028SL_28_9L20_Cordel.out
CHNL# 583: [9L16_P]
764.85
-260.2
CHNL# 581: [9L59_P]
222.94
-290.1
CHNL# 579: [953L_P]
406.25
-126.9
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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3.0000
6.0000
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12.000
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24.000
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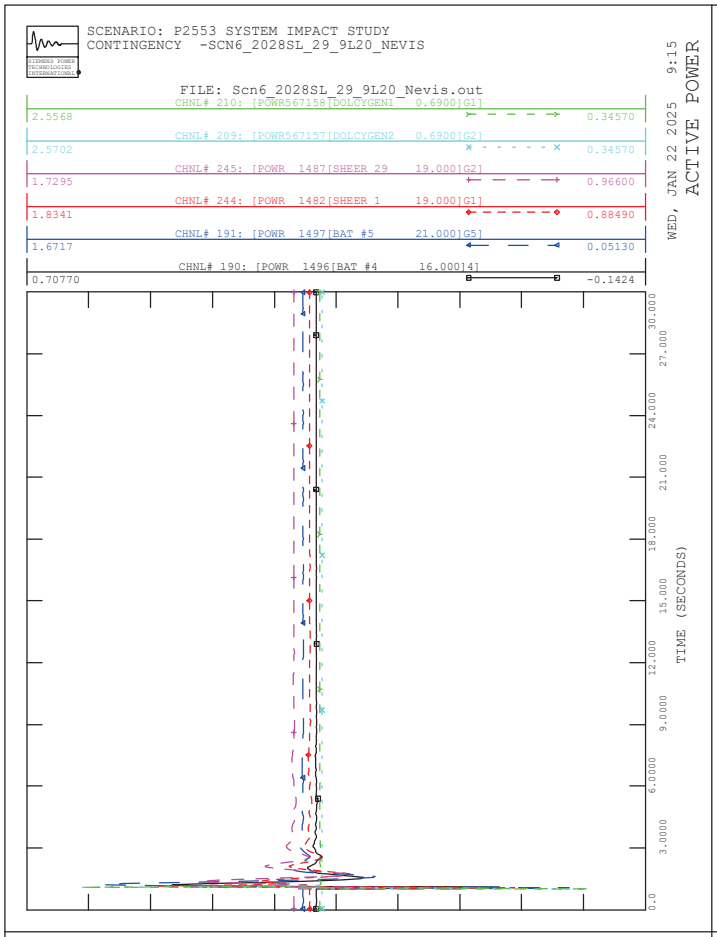
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_29_9L20_NEVIS
FILE: Scn6_2028SL_29_9L20_Nevis.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.5568
0.34570
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.5702
0.34570
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.7295
0.96600
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.8341
0.88490
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.6717
0.05130
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.70770
-0.1424
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
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3.0000
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12.000
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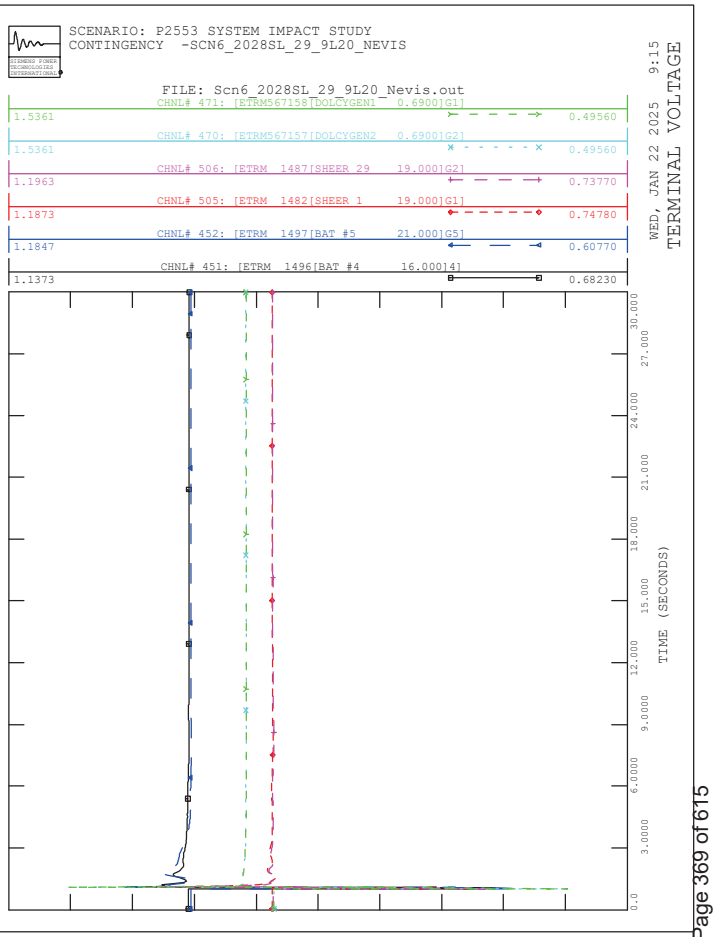
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_29_9L20_NEVIS
FILE: Scn6_2028SL_29_9L20_Nevis.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.5361
0.49560
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.5361
0.49560
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1963
0.73770
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1873
0.74780
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1847
0.60770
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1373
0.68230
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
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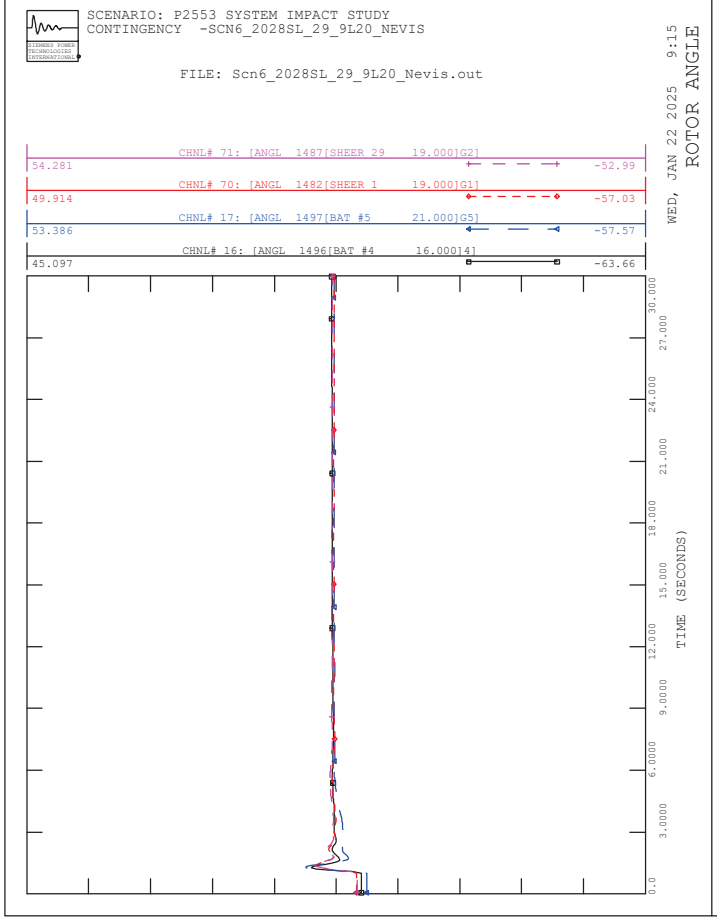
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_29_9L20_NEVIS
FILE: Scn6_2028SL_29_9L20_Nevis.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
54.281
-52.99
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
49.914
-57.03
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
53.386
-57.57
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
45.097
-63.66
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
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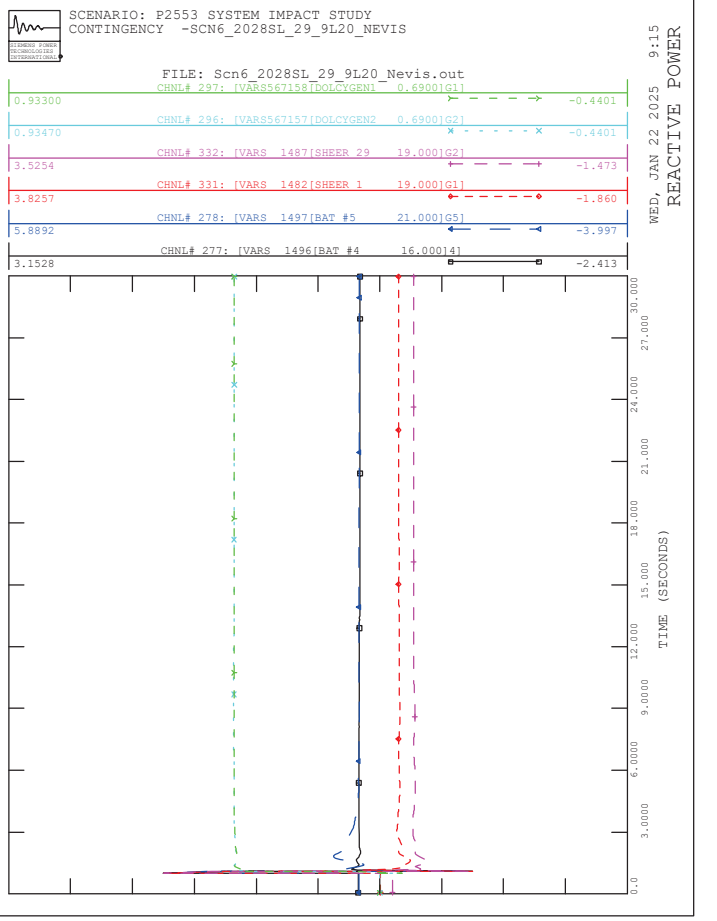
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_29_9L20_NEVIS
FILE: Scn6_2028SL_29_9L20_Nevis.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
0.93300
-0.4401
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
0.93470
-0.4401
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
3.5254
-1.473
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
3.8257
-1.860
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
5.8892
-3.997
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
3.1528
-2.413
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
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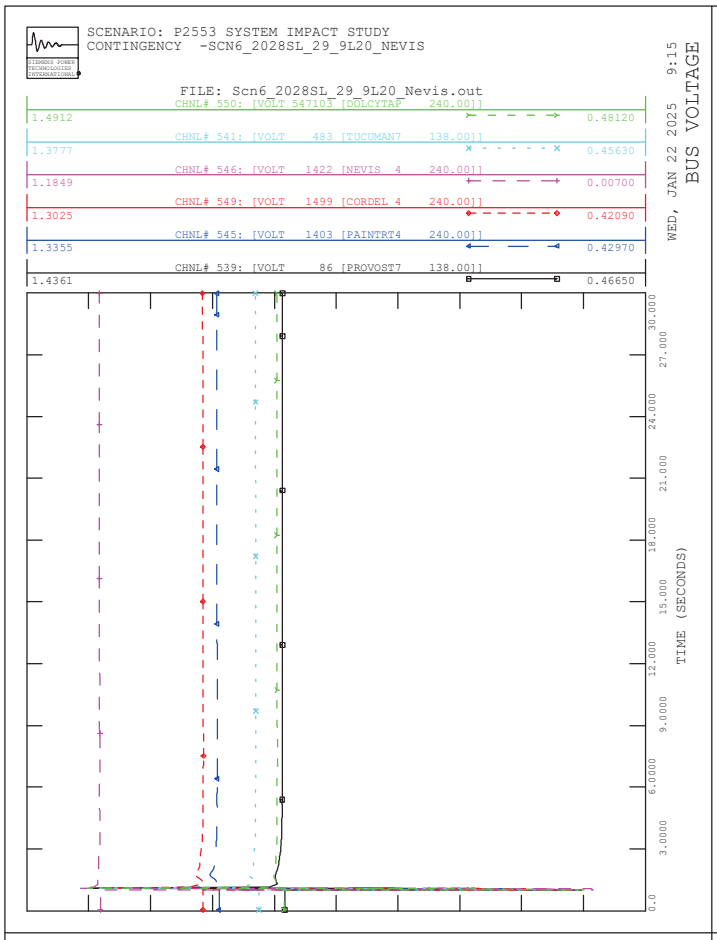
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CONTINGENCY -SCN6_2028SL_29_9L20_NEVIS
FILE: Scn6_2028SL_29_9L20_Nevis.out
CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.4912
0.48120
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.3777
0.45630
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.1849
0.00700
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.3025
0.42090
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.3355
0.42970
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.4361
0.46650
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
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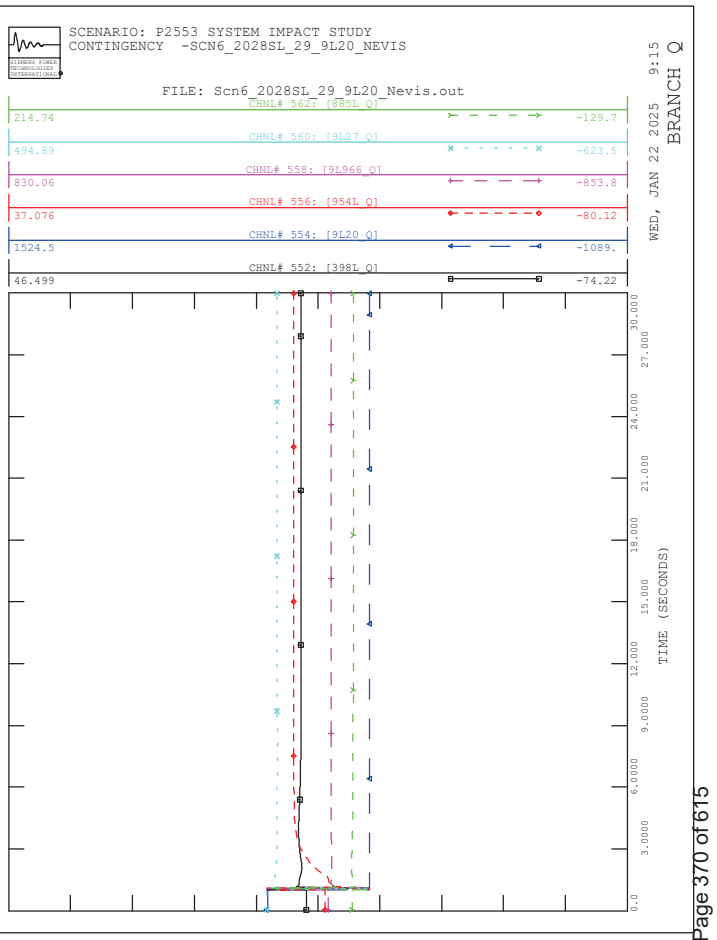
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_29_9L20_NEVIS
FILE: Scn6_2028SL_29_9L20_Nevis.out
CHNL# 562: [885L Q]
214.74
-129.7
CHNL# 560: [9L27 Q]
494.89
-623.5
CHNL# 558: [9L966 Q]
830.06
-853.8
CHNL# 556: [954L Q]
37.076
-80.12
CHNL# 554: [9L20 Q]
1524.5
-1089.
CHNL# 552: [398L Q]
46.499
-74.22
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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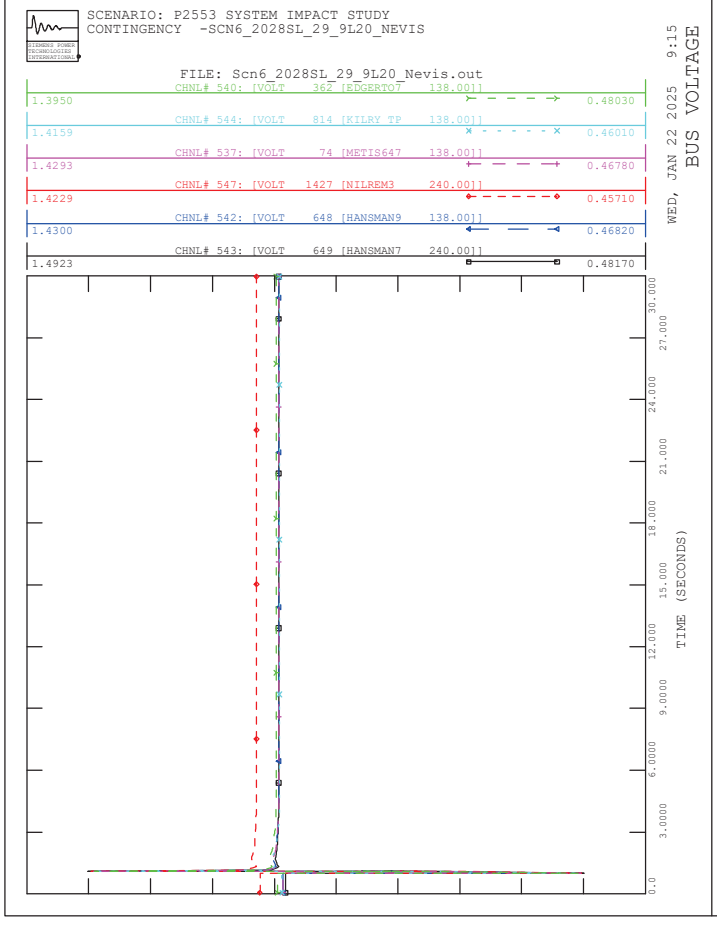
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_29_9L20_NEVIS
FILE: Scn6_2028SL_29_9L20_Nevis.out
CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.3950
0.48030
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.4159
0.46010
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.4293
0.46780
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.4229
0.45710
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.4300
0.46820
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.4923
0.48170
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
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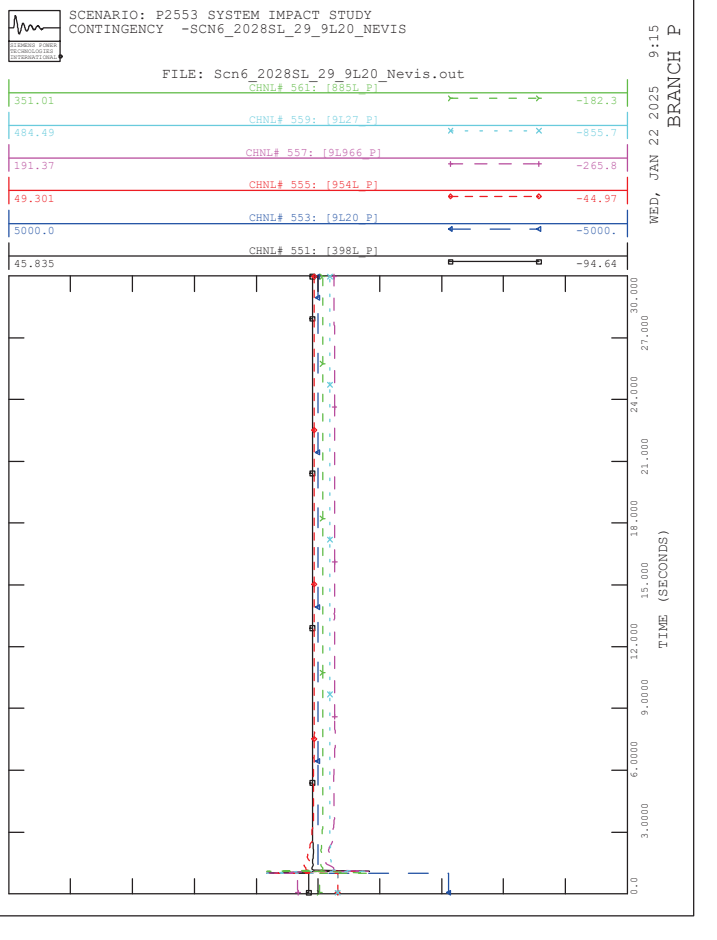
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_29_9L20_NEVIS
FILE: Scn6_2028SL_29_9L20_Nevis.out
CHNL# 561: [885L P]
351.01
-182.3
CHNL# 559: [9L27 P]
484.49
-855.7
CHNL# 557: [9L966 P]
191.37
-265.8
CHNL# 555: [954L P]
49.301
-44.97
CHNL# 553: [9L20 P]
5000.0
-5000.
CHNL# 551: [398L P]
45.835
-94.64
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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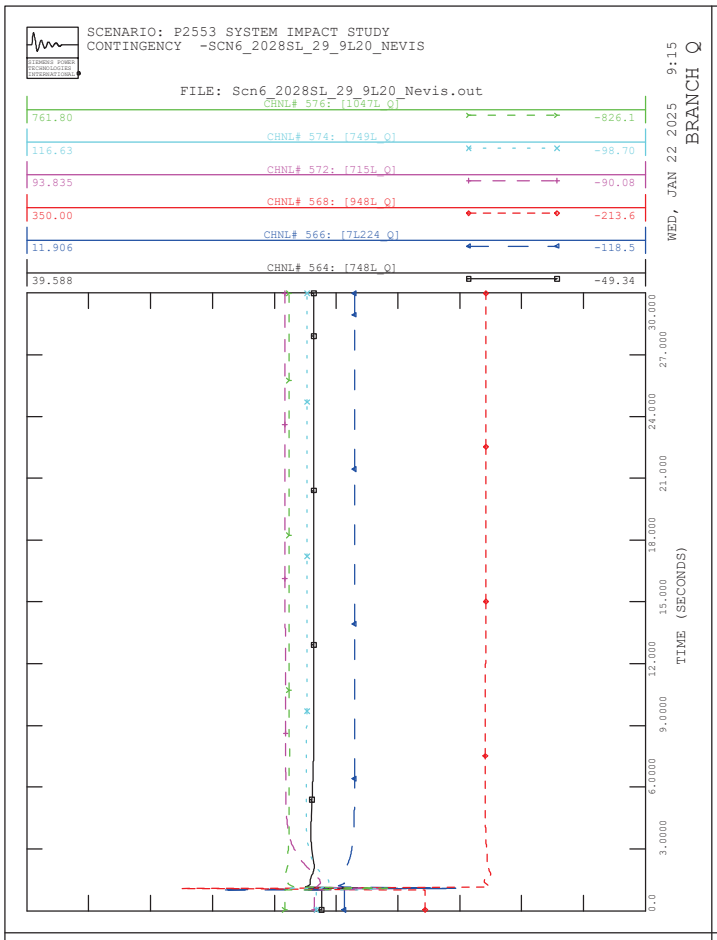
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_29_9L20_NEVIS
FILE: Scn6_2028SL_29_9L20_Nevis.out
CHNL# 576: [1047L Q]
761.80
-826.1
CHNL# 574: [749L Q]
116.63
-98.70
CHNL# 572: [715L Q]
93.835
-90.08
CHNL# 568: [948L Q]
350.00
-213.6
CHNL# 566: [7L224 Q]
11.906
-118.5
CHNL# 564: [748L Q]
39.588
-49.34
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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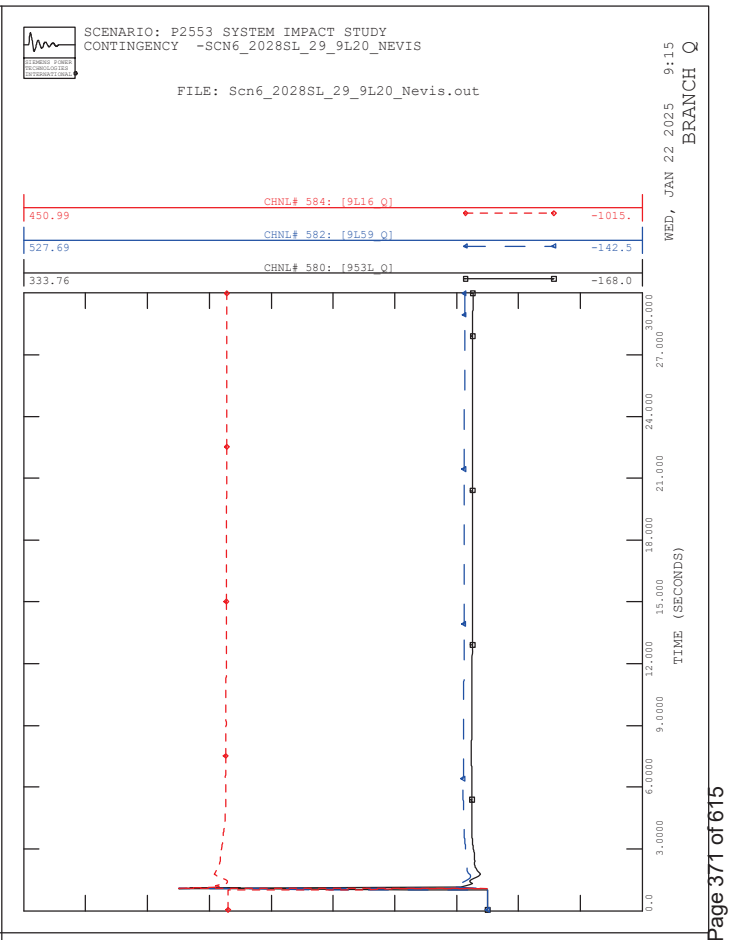
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_29_9L20_NEVIS
FILE: Scn6_2028SL_29_9L20_Nevis.out
CHNL# 584: [9L16 Q]
450.99
-1015.
CHNL# 582: [9L59 Q]
527.69
-142.5
CHNL# 580: [953L Q]
333.76
-168.0
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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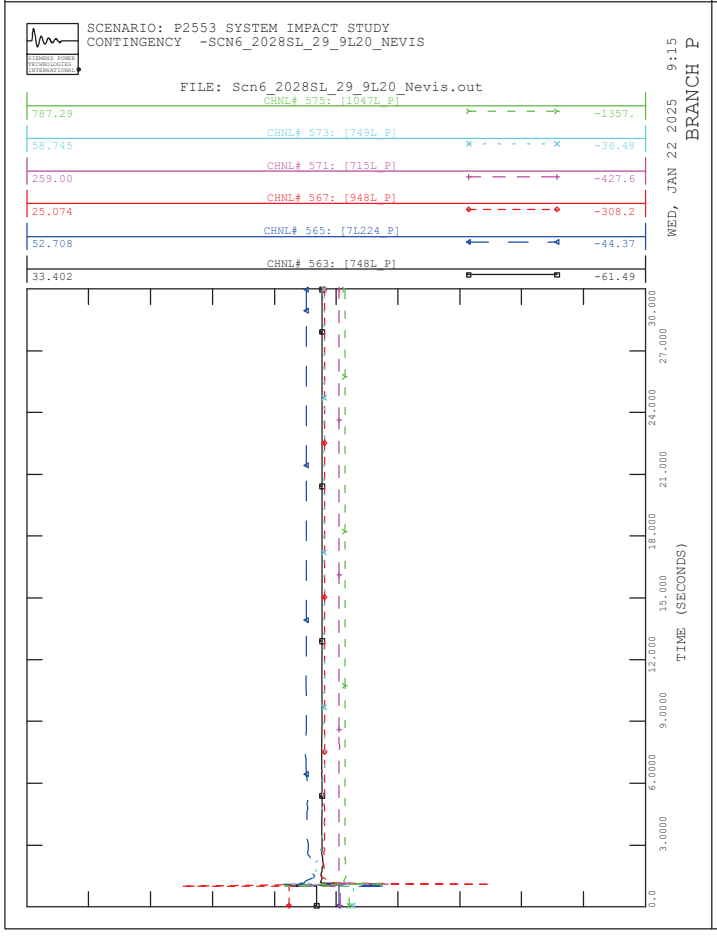
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_29_9L20_NEVIS
FILE: Scn6_2028SL_29_9L20_Nevis.out
CHNL# 575: [1047L P]
787.29
-1357.
CHNL# 573: [749L P]
58.745
-36.48
CHNL# 571: [715L P]
259.00
-427.6
CHNL# 567: [948L P]
25.074
-308.2
CHNL# 565: [7L224 P]
52.708
-44.37
CHNL# 563: [748L P]
33.402
-61.49
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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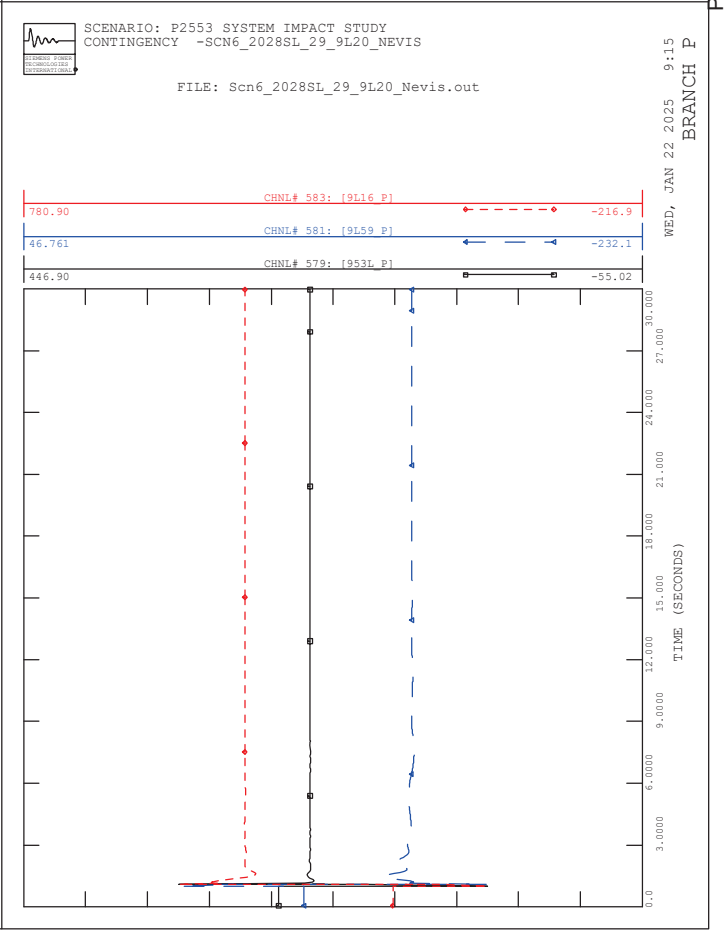
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_29_9L20_NEVIS
FILE: Scn6_2028SL_29_9L20_Nevis.out
CHNL# 583: [9L16 P]
780.90
-216.9
CHNL# 581: [9L59 P]
46.761
-232.1
CHNL# 579: [953L P]
446.90
-55.02
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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3.0000
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_30_7L224_HANSMANLAKE

FILE: Scn6_2028SL_30_7L224_HansmanLake.out

WED, JAN 22 2025 9:15

ACTIVE POWER

CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1] 2.3913 0.10990
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2] 2.4050 0.10990
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2] 1.9450 0.96810
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1] 1.9832 0.94840
CHNL# 191: [POWR 1497[BAT #5 21.000]G5] 1.8159 0.43920
CHNL# 190: [POWR 1496[BAT #4 16.000]4] 1.0166 -0.2320

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_30_7L224_HANSMANLAKE

FILE: Scn6_2028SL_30_7L224_HansmanLake.out

WED, JAN 22 2025 9:15

TERMINAL VOLTAGE

CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1] 1.5223 0.34890
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2] 1.5227 0.34890
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2] 1.1854 0.80190
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1] 1.1799 0.80780
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5] 1.2050 0.77480
CHNL# 451: [ETRM 1496[BAT #4 16.000]4] 1.1802 0.78670

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_30_7L224_HANSMANLAKE

FILE: Scn6_2028SL_30_7L224_HansmanLake.out

WED, JAN 22 2025 9:15

ROTOR ANGLE

CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2] 54.238 -59.69
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1] 49.416 -63.43
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5] 45.064 -66.66
CHNL# 16: [ANGL 1496[BAT #4 16.000]4] 38.450 -72.99

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_30_7L224_HANSMANLAKE

FILE: Scn6_2028SL_30_7L224_HansmanLake.out

WED, JAN 22 2025 9:15

REACTIVE POWER

CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1] 1.6097 -0.4764
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2] 1.6173 -0.4789
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2] 2.6822 -1.705
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1] 2.7999 -1.764
CHNL# 278: [VARS 1497[BAT #5 21.000]G5] 3.4843 -2.483
CHNL# 277: [VARS 1496[BAT #4 16.000]4] 1.8769 -1.438

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_30_7L224_HANSMANLAKE

FILE: Scn6_2028SL_30_7L224_HansmanLake.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]] 1.4173 0.33500
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]] 1.3447 0.44290
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]] 1.2425 0.79420
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]] 1.2860 0.71610
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]] 1.3085 0.65190
CHNL# 539: [VOLT 86 [PROVOST7 138.00]] 1.4502 0.07990

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_30_7L224_HANSMANLAKE

FILE: Scn6_2028SL_30_7L224_HansmanLake.out

WED, JAN 22 2025 9:15

BRANCH Q

CHNL# 562: [885L Q] 781.90 -934.9
CHNL# 560: [9L27 Q] 1265.8 -1092.
CHNL# 558: [9L966 Q] 1538.2 -2057.
CHNL# 556: [954L Q] 1244.3 -1085.
CHNL# 554: [9L20 Q] 809.13 -660.8
CHNL# 552: [398L Q] 117.22 -153.2

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_30_7L224_HANSMANLAKE

FILE: Scn6_2028SL_30_7L224_HansmanLake.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]] 1.4122 0.17460
CHNL# 544: [VOLT 814 [KILRY TP 138.00]] 1.4282 0.10100
CHNL# 537: [VOLT 74 [METIS647 138.00]] 1.3987 0.07990
CHNL# 547: [VOLT 1427 [NILREM3 240.00]] 1.3832 0.47140
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]] 1.3995 0.07300
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]] 1.4159 0.32780

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_30_7L224_HANSMANLAKE

FILE: Scn6_2028SL_30_7L224_HansmanLake.out

WED, JAN 22 2025 9:15

BRANCH P

CHNL# 561: [885L P] 649.78 -634.0
CHNL# 559: [9L27 P] 667.00 -966.8
CHNL# 557: [9L966 P] 432.17 -499.4
CHNL# 555: [954L P] 274.99 -222.0
CHNL# 553: [9L20 P] 431.12 -935.3
CHNL# 551: [398L P] 127.06 -179.2

TIME (SECONDS)

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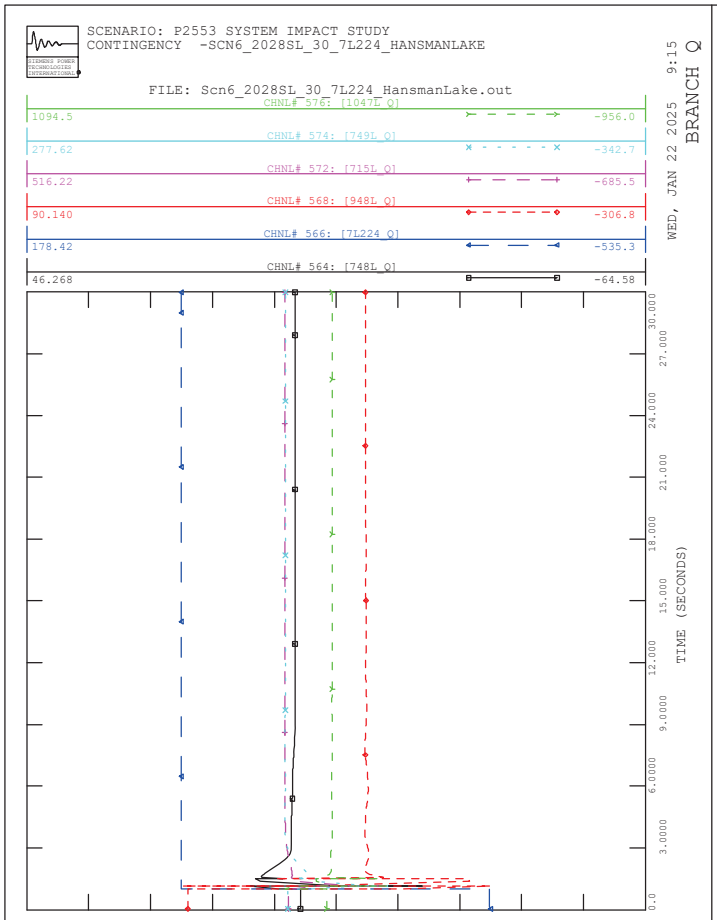
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_30_7L224_HANSMANLAKE
FILE: Scn6_2028SL_30_7L224_HansmanLake.out
CHNL# 576: [1047L Q]
1094.5
-956.0
CHNL# 574: [749L Q]
277.62
-342.7
CHNL# 572: [715L Q]
516.22
-685.5
CHNL# 568: [948L Q]
90.140
-306.8
CHNL# 566: [7L224 Q]
178.42
-535.3
CHNL# 564: [748L Q]
46.268
-64.58
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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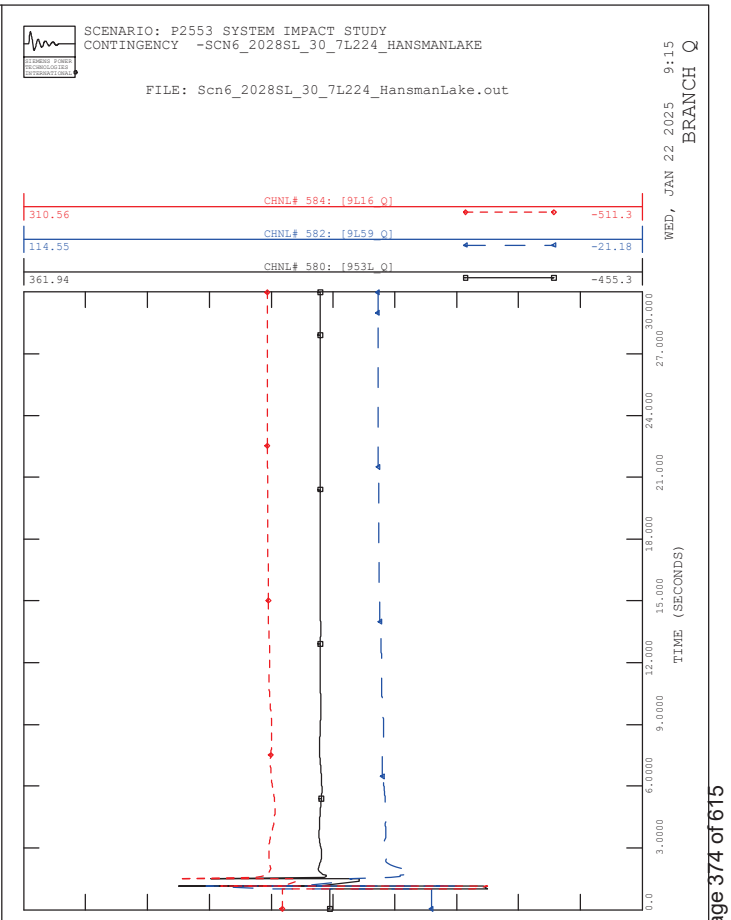
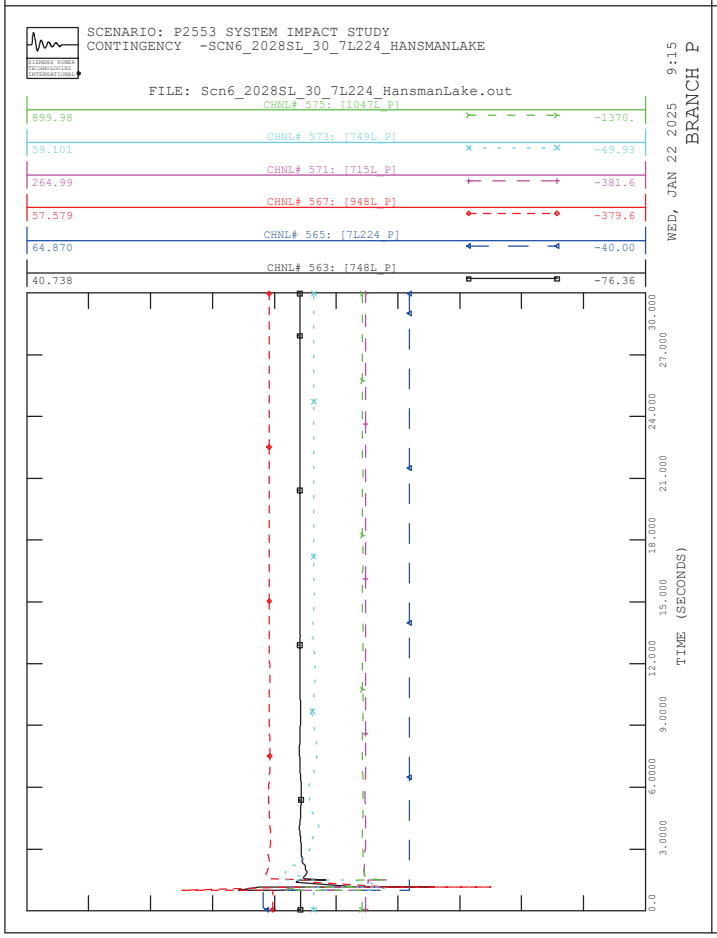
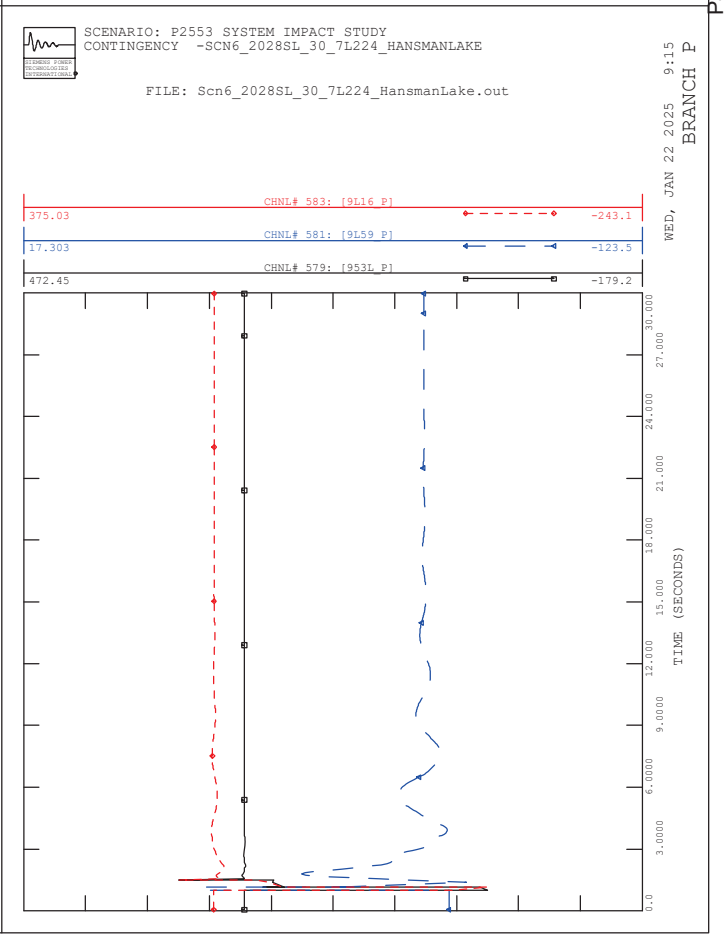
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_30_7L224_HANSMANLAKE
FILE: Scn6_2028SL_30_7L224_HansmanLake.out
CHNL# 584: [9L16 Q]
310.56
-511.3
CHNL# 582: [9L59 Q]
114.55
-21.18
CHNL# 580: [953L Q]
361.94
-455.3
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_30_7L224_HANSMANLAKE
FILE: Scn6_2028SL_30_7L224_HansmanLake.out
CHNL# 575: [1047L P]
899.98
-1370.
CHNL# 573: [749L P]
59.101
-49.93
CHNL# 571: [715L P]
264.99
-381.6
CHNL# 567: [948L P]
57.579
-379.6
CHNL# 565: [7L224 P]
64.870
-40.00
CHNL# 563: [748L P]
40.738
-76.36
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_30_7L224_HANSMANLAKE
FILE: Scn6_2028SL_30_7L224_HansmanLake.out
CHNL# 583: [9L16 P]
375.03
-243.1
CHNL# 581: [9L59 P]
17.303
-123.5
CHNL# 579: [953L P]
472.45
-179.2
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_31_7L224_MONITOR

FILE: Scn6_2028SL_31_7L224_Monitor.out

CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.2311 0.24130
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.2310 0.24130
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.8634 0.89390
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.8988 0.88120
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.7130 0.14610
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.93590 -0.2469

9:15 WED, JAN 22 2025 ACTIVE POWER

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_31_7L224_MONITOR

FILE: Scn6_2028SL_31_7L224_Monitor.out

CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.5105 0.43560
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.5107 0.43560
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1868 0.79370
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1830 0.80020
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1975 0.79210
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1820 0.80300

9:15 WED, JAN 22 2025 TERMINAL VOLTAGE

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_31_7L224_MONITOR

FILE: Scn6_2028SL_31_7L224_Monitor.out

CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
50.113 -59.22
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
45.921 -62.95
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
43.849 -65.42
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
37.502 -73.13

9:15 WED, JAN 22 2025 ROTOR ANGLE

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

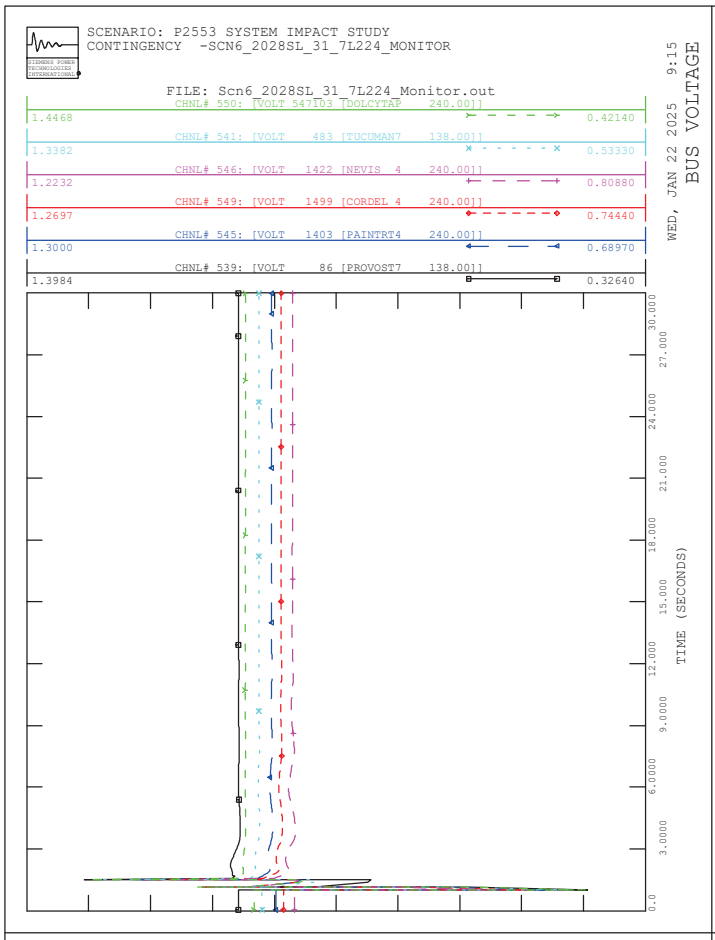
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_31_7L224_MONITOR

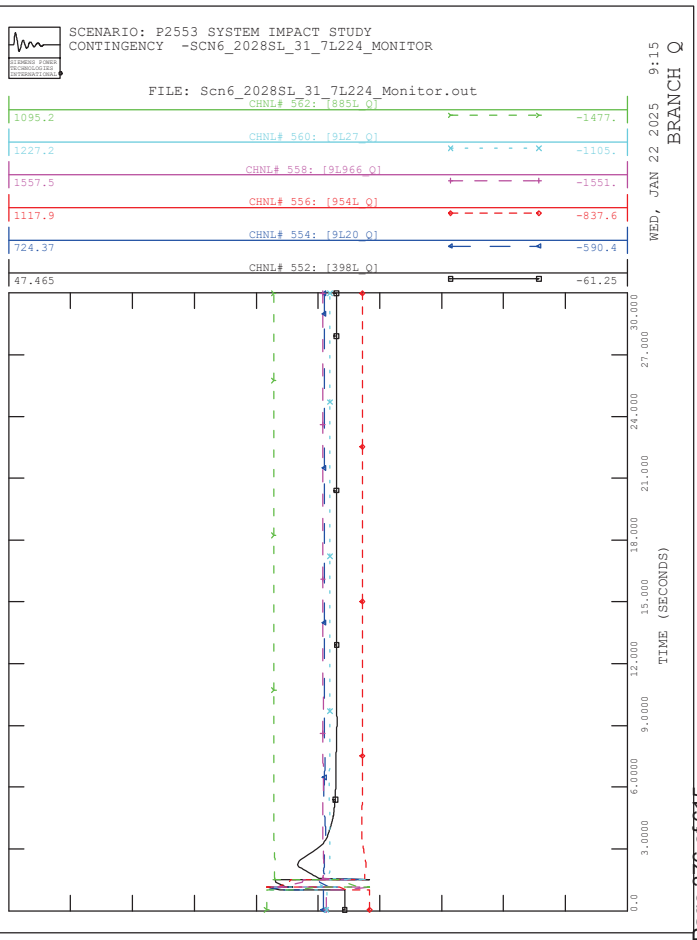
FILE: Scn6_2028SL_31_7L224_Monitor.out

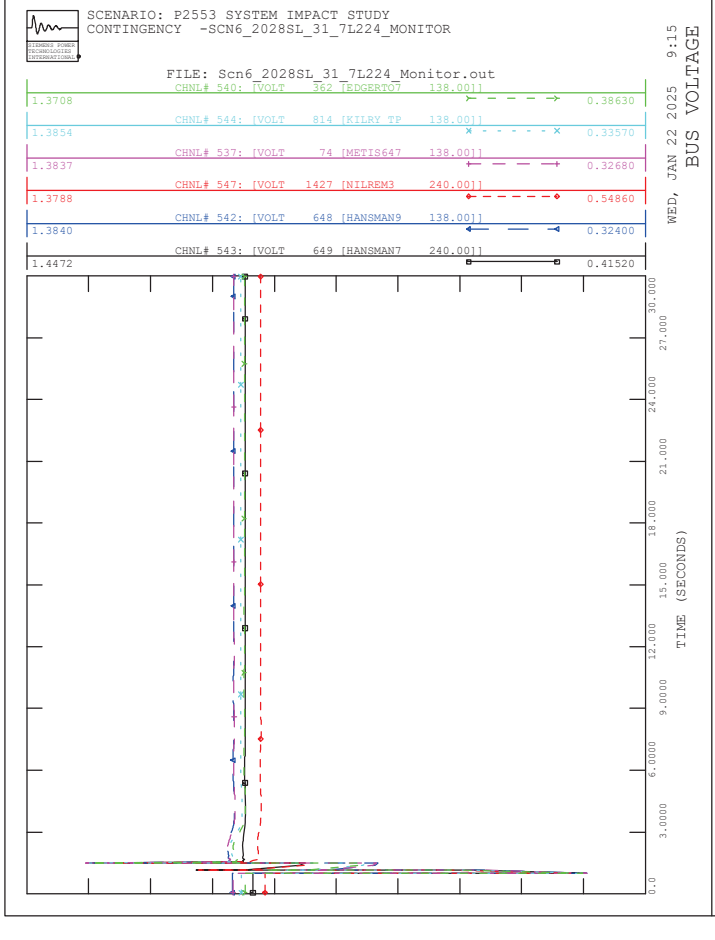
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.1062 -0.4462
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.1084 -0.4462
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
2.6550 -1.228
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
2.7987 -1.339
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
2.9548 -1.578
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
1.5791 -1.037

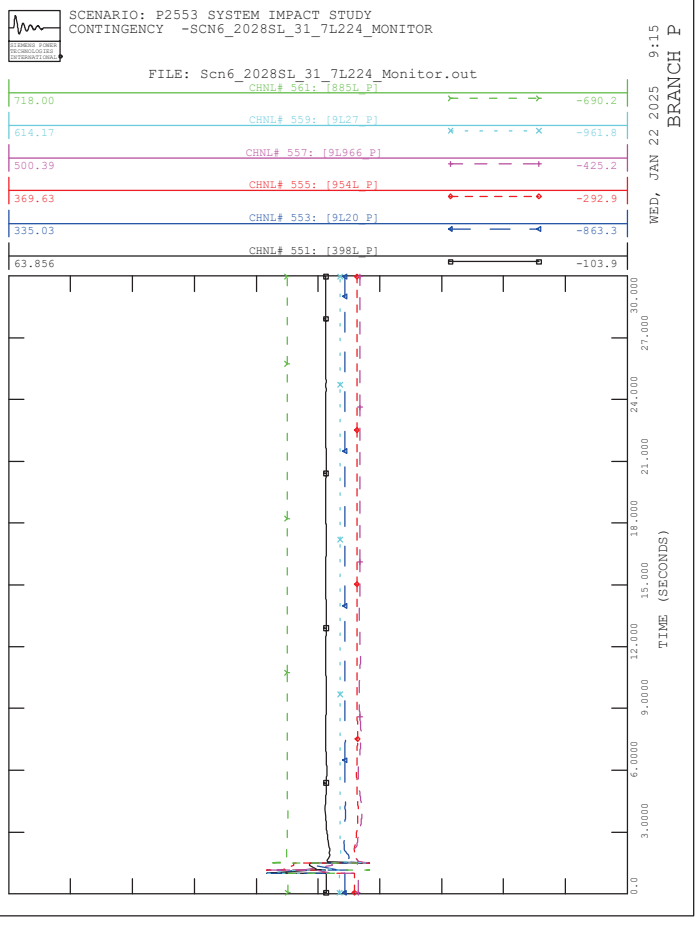
9:15 WED, JAN 22 2025 REACTIVE POWER

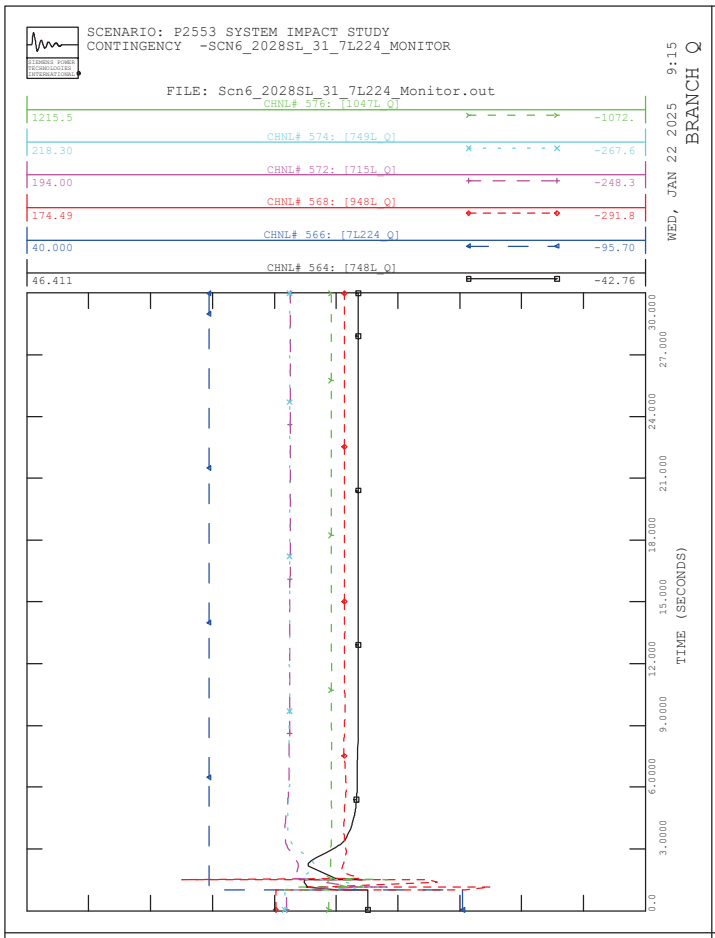
TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

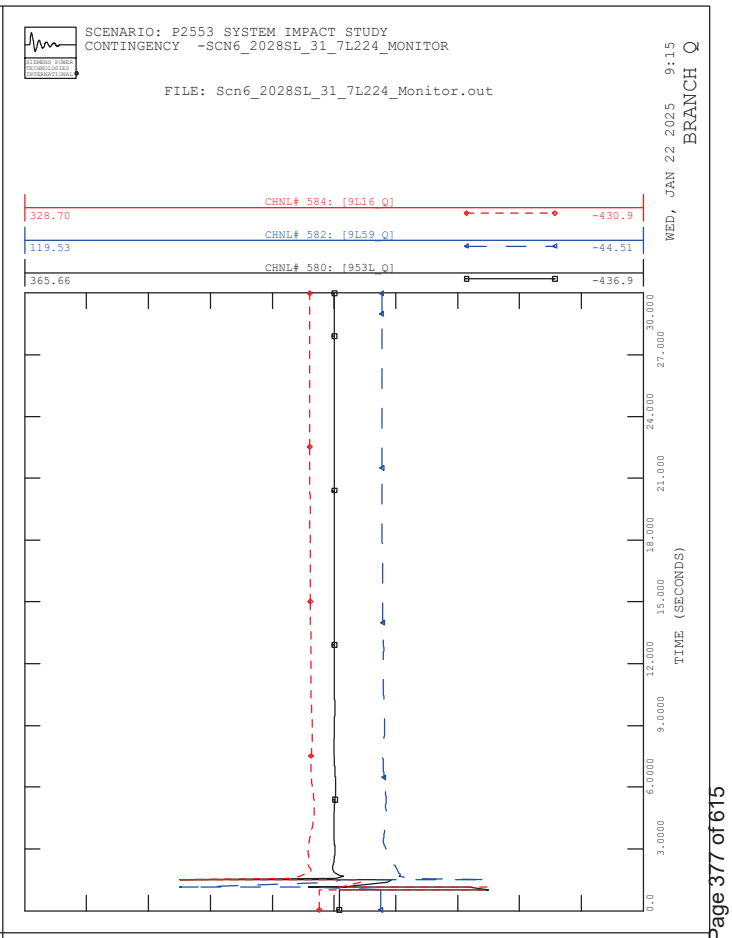

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_31_7L224_MONITOR
FILE: Scn6_2028SL_31_7L224_Monitor.out
CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]] 1.4468 0.42140
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]] 1.3382 0.53330
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]] 1.2232 0.80880
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]] 1.2697 0.74440
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]] 1.3000 0.68970
CHNL# 539: [VOLT 86 [PROVOST7 138.00]] 1.3984 0.32640
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

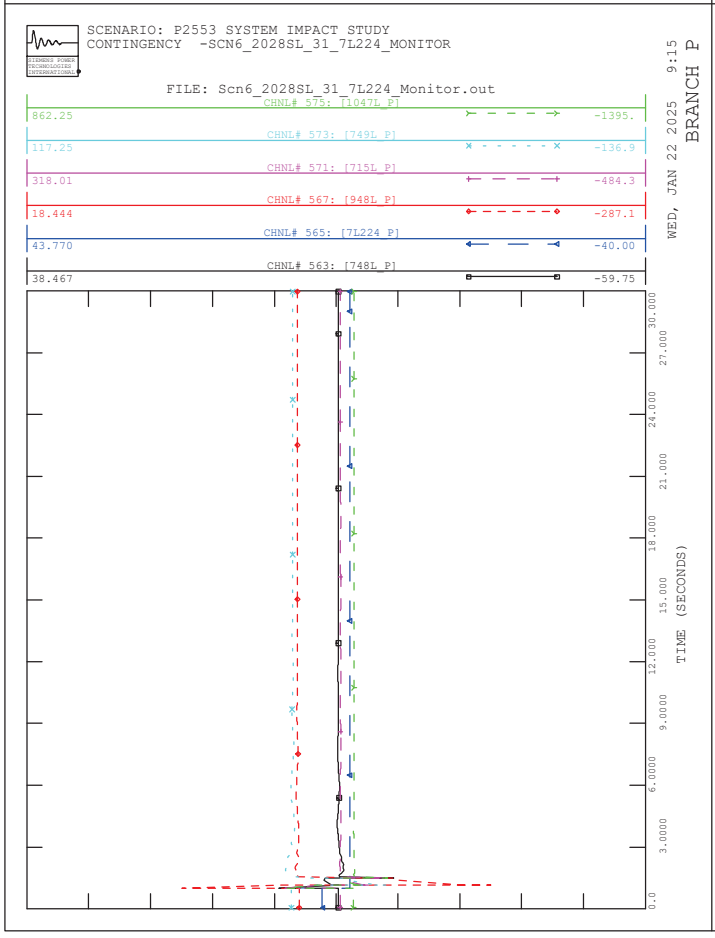

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_31_7L224_MONITOR
FILE: Scn6_2028SL_31_7L224_Monitor.out
CHNL# 562: [885L_Q] 1095.2 -1477.
CHNL# 560: [9L27_Q] 1227.2 -1105.
CHNL# 558: [9L966_Q] 1557.5 -1551.
CHNL# 556: [954L_Q] 1117.9 -837.6
CHNL# 554: [9L20_Q] 724.37 -590.4
CHNL# 552: [398L_Q] 47.465 -61.25
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

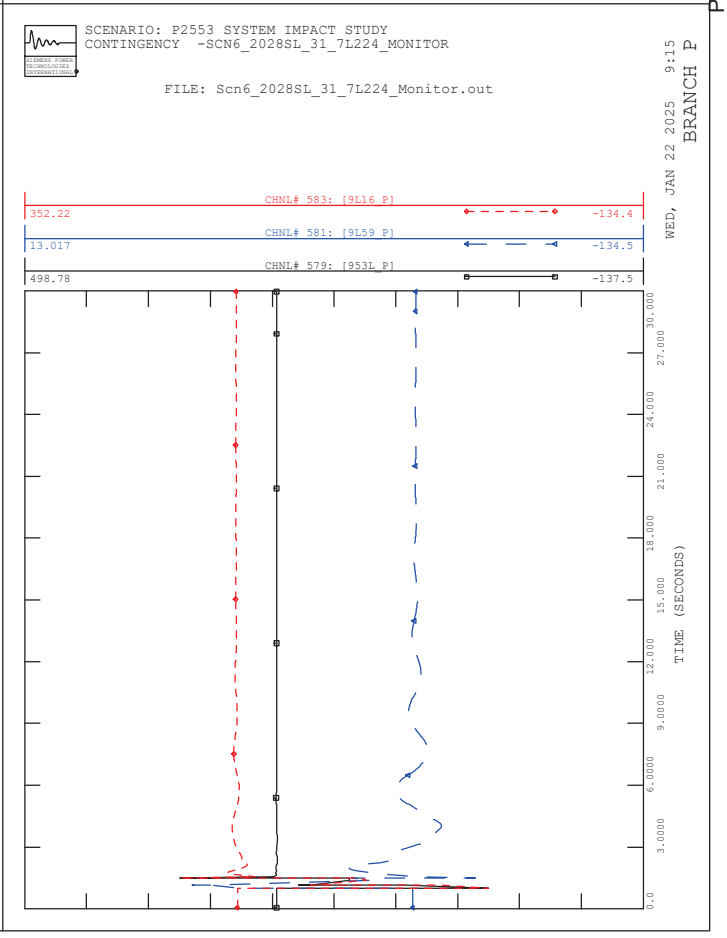

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_31_7L224_MONITOR
FILE: Scn6_2028SL_31_7L224_Monitor.out
CHNL# 540: [VOLT 362 [EDGERT07 138.00]] 1.3708 0.38630
CHNL# 544: [VOLT 814 [KILRY TP 138.00]] 1.3854 0.33570
CHNL# 537: [VOLT 74 [METIS647 138.00]] 1.3837 0.32680
CHNL# 547: [VOLT 1427 [NILREM3 240.00]] 1.3788 0.54860
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]] 1.3840 0.32400
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]] 1.4472 0.41520
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

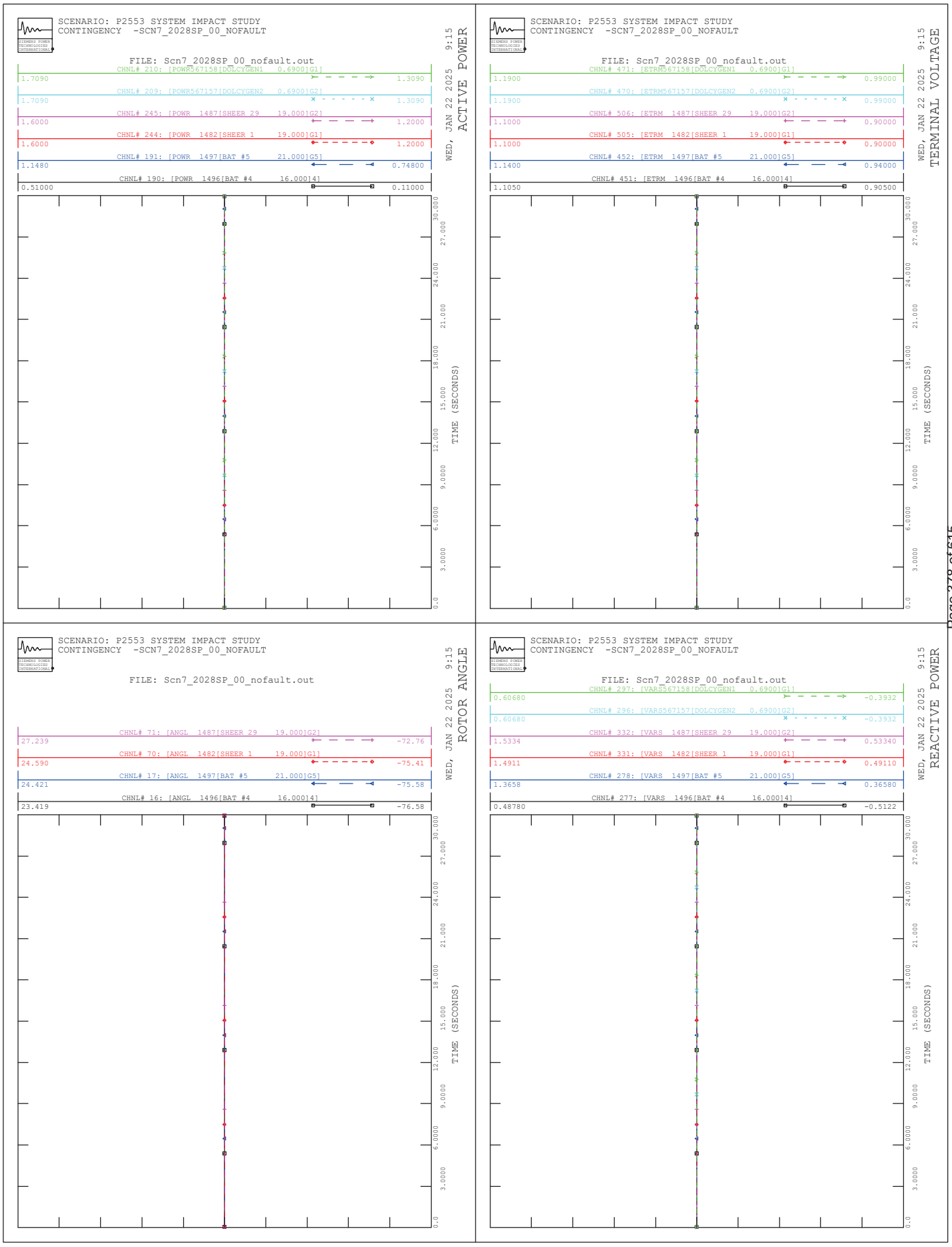

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_31_7L224_MONITOR
FILE: Scn6_2028SL_31_7L224_Monitor.out
CHNL# 561: [885L_P] 718.00 -690.2
CHNL# 559: [9L27_P] 614.17 -961.8
CHNL# 557: [9L966_P] 500.39 -425.2
CHNL# 555: [954L_P] 369.63 -292.9
CHNL# 553: [9L20_P] 335.03 -863.3
CHNL# 551: [398L_P] 63.856 -103.9
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_31_7L224_MONITOR
FILE: Scn6_2028SL_31_7L224_Monitor.out
CHNL# 576: [1047L_Q]
1215.5
-1072.
CHNL# 574: [749L_Q]
218.30
-267.6
CHNL# 572: [715L_Q]
194.00
-248.3
CHNL# 568: [948L_Q]
174.49
-291.8
CHNL# 566: [7L224_Q]
40.000
-95.70
CHNL# 564: [748L_Q]
46.411
-42.76
BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_31_7L224_MONITOR
FILE: Scn6_2028SL_31_7L224_Monitor.out
CHNL# 584: [9L16_Q]
328.70
-430.9
CHNL# 582: [9L59_Q]
119.53
-44.51
CHNL# 580: [953L_Q]
365.66
-436.9
BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_31_7L224_MONITOR
FILE: Scn6_2028SL_31_7L224_Monitor.out
CHNL# 575: [1047L_P]
862.25
-1395.
CHNL# 573: [749L_P]
117.25
-136.9
CHNL# 571: [715L_P]
318.01
-484.3
CHNL# 567: [948L_P]
18.444
-287.1
CHNL# 565: [7L224_P]
43.770
-40.00
CHNL# 563: [748L_P]
38.467
-59.75
BRANCH P
WED, JAN 22 2025 9:15
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN6_2028SL_31_7L224_MONITOR
FILE: Scn6_2028SL_31_7L224_Monitor.out
CHNL# 583: [9L16_P]
352.22
-134.4
CHNL# 581: [9L59_P]
13.017
-134.5
CHNL# 579: [953L_P]
498.78
-137.5
BRANCH P
WED, JAN 22 2025 9:15
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_00_NOFAULT
FILE: Scn7_2028SP_00_nofault.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
1.7090
1.3090
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
1.7090
1.3090
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.6000
1.2000
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.6000
1.2000
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.1480
0.74800
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.51000
0.11000
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_00_NOFAULT
FILE: Scn7_2028SP_00_nofault.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.1900
0.99000
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.1900
0.99000
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1000
0.90000
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1000
0.90000
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1400
0.94000
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1050
0.90500
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_00_NOFAULT
FILE: Scn7_2028SP_00_nofault.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
27.239
-72.76
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
24.590
-75.41
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
24.421
-75.58
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
23.419
-76.58
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_00_NOFAULT
FILE: Scn7_2028SP_00_nofault.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
0.60680
-0.3932
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
0.60680
-0.3932
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
1.5334
0.53340
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
1.4911
0.49110
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
1.3658
0.36580
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
0.48780
-0.5122
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_00_NOFAULT

FILE: Scn7_2028SP_00_nofault.out

WED, JAN 22 2025 9:15 BUS VOLTAGE

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.1709 0.97090
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.1368 0.93680
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.1386 0.93860
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.1530 0.95300
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.1568 0.95680
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.1355 0.93550

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_00_NOFAULT

FILE: Scn7_2028SP_00_nofault.out

WED, JAN 22 2025 9:15 BRANCH Q

CHNL# 562: [885L Q]
67.031 -12.97
CHNL# 560: [9L27 Q]
64.003 -16.00
CHNL# 558: [9L966 Q]
-3.709 -83.71
CHNL# 556: [954L Q]
18.709 -61.29
CHNL# 554: [9L20 Q]
78.138 -1.862
CHNL# 552: [398L Q]
38.626 -41.37

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_00_NOFAULT

FILE: Scn7_2028SP_00_nofault.out

WED, JAN 22 2025 9:15 BUS VOLTAGE

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.1309 0.93090
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.1323 0.93230
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.1303 0.93030
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.1572 0.95720
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.1307 0.93070
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.1700 0.97000

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_00_NOFAULT

FILE: Scn7_2028SP_00_nofault.out

WED, JAN 22 2025 9:15 BRANCH P

CHNL# 561: [885L P]
108.64 28.638
CHNL# 559: [9L27 P]
-196.6 -276.6
CHNL# 557: [9L966 P]
-14.40 -94.40
CHNL# 555: [954L P]
33.492 -46.51
CHNL# 553: [9L20 P]
-275.3 -355.3
CHNL# 551: [398L P]
32.150 -47.85

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_00_NOFAULT

FILE: Scn7_2028SP_00_nofault.out

WED, JAN 22 2025 9:15 BRANCH Q

CHNL# 576: [1047L_Q] 119.41 39.410
CHNL# 574: [749L_Q] 54.218 -25.78
CHNL# 572: [715L_Q] 47.043 -32.96
CHNL# 568: [948L_Q] 23.368 -56.63
CHNL# 566: [7L224_Q] -15.69 -95.69
CHNL# 564: [748L_Q] 41.100 -38.90

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TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_00_NOFAULT

FILE: Scn7_2028SP_00_nofault.out

WED, JAN 22 2025 9:15 BRANCH Q

CHNL# 584: [9L16_Q] 59.789 -20.21
CHNL# 582: [9L59_Q] 103.60 23.598
CHNL# 580: [953L_Q] -2.561 -82.56

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TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_00_NOFAULT

FILE: Scn7_2028SP_00_nofault.out

WED, JAN 22 2025 9:15 BRANCH P

CHNL# 575: [1047L_P] -242.0 -322.0
CHNL# 573: [749L_P] -0.6207 -80.62
CHNL# 571: [715L_P] -50.45 -130.5
CHNL# 567: [948L_P] -142.5 -222.5
CHNL# 565: [7L224_P] 54.364 -25.64
CHNL# 563: [748L_P] 18.904 -61.10

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TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_00_NOFAULT

FILE: Scn7_2028SP_00_nofault.out

WED, JAN 22 2025 9:15 BRANCH P

CHNL# 583: [9L16_P] 185.05 105.05
CHNL# 581: [9L59_P] -103.9 -183.9
CHNL# 579: [953L_P] 232.17 152.17

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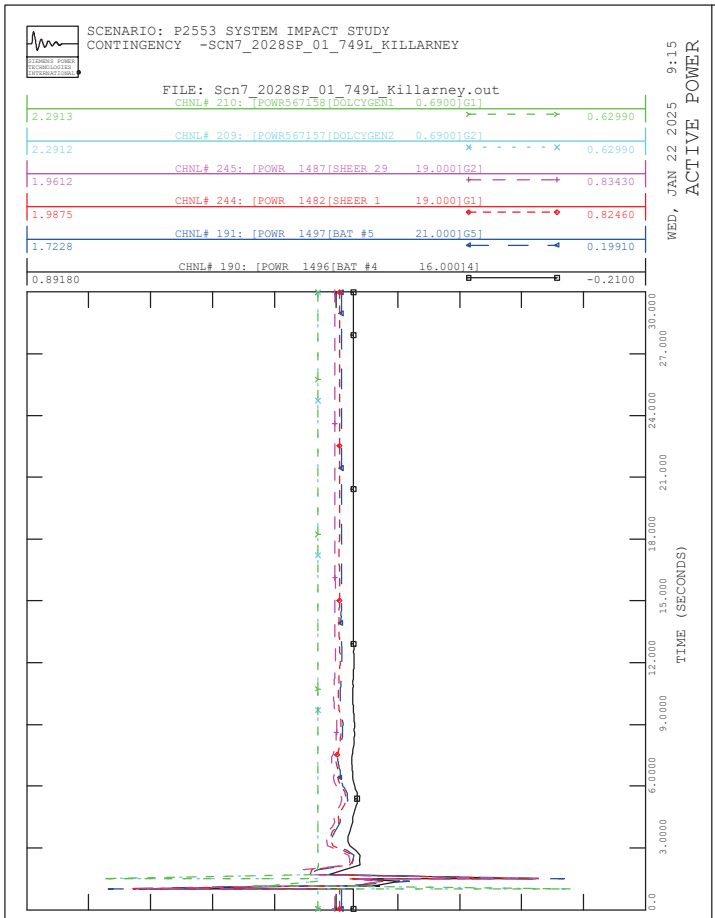
TIME (SECONDS)


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_01_749L_KILLARNEY
FILE: Scn7_2028SP_01_749L_Killarney.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.2913
0.62990
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.2912
0.62990
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.9612
0.83430
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.9875
0.82460
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.7228
0.19910
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.89180
-0.2100
0.0
3.0000
6.0000
9.0000
12.000
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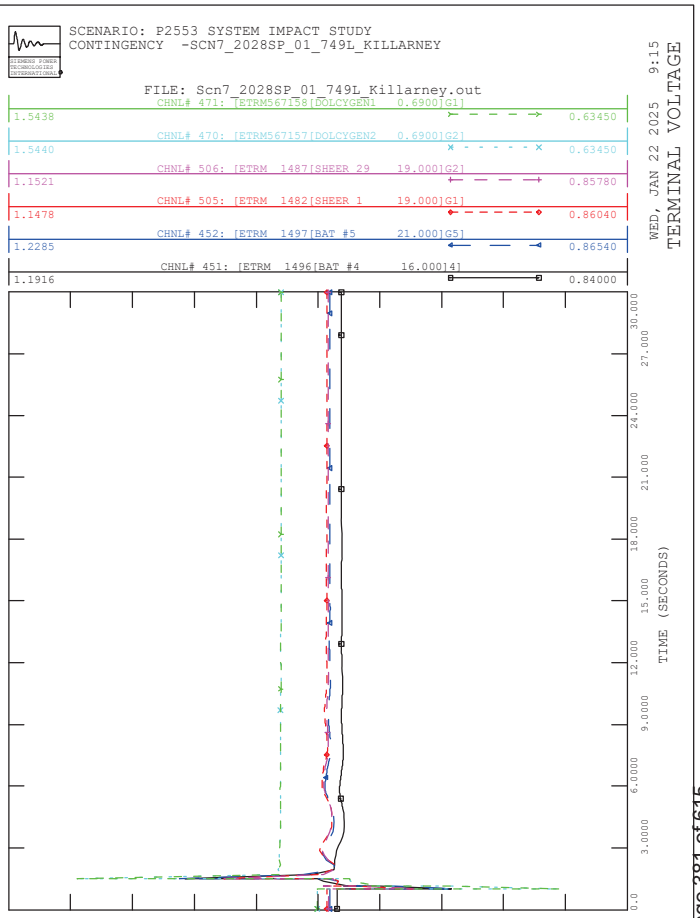
27.000
30.000
TIME (SECONDS)
WED, JAN 22 2025 9:15
ACTIVE POWER


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_01_749L_KILLARNEY
FILE: Scn7_2028SP_01_749L_Killarney.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.5438
0.63450
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.5440
0.63450
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1521
0.85780
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1478
0.86040
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.2285
0.86540
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1916
0.84000
0.0
3.0000
6.0000
9.0000
12.000
15.000
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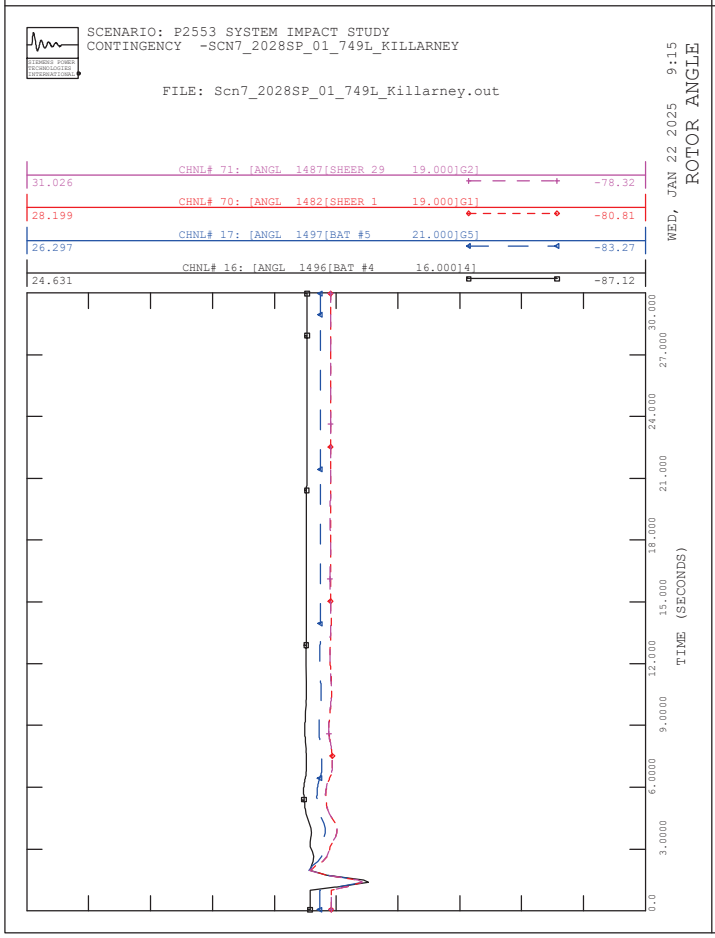
30.000
TIME (SECONDS)
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_01_749L_KILLARNEY
FILE: Scn7_2028SP_01_749L_Killarney.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
31.026
-78.32
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
28.199
-80.81
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
26.297
-83.27
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
24.631
-87.12
0.0
3.0000
6.0000
9.0000
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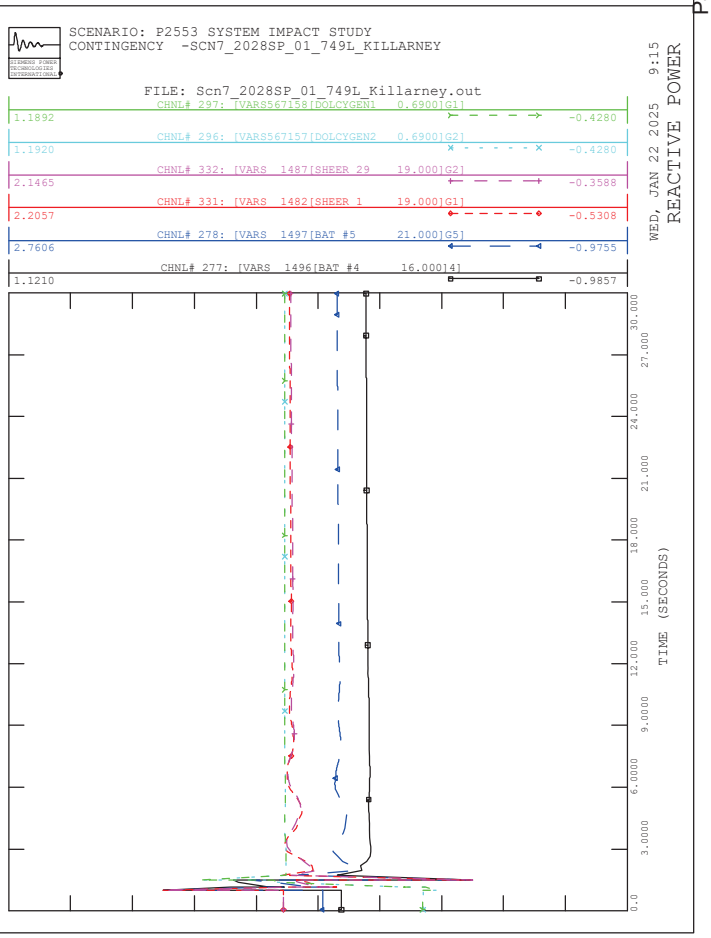
TIME (SECONDS)
WED, JAN 22 2025 9:15
ROTOR ANGLE


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_01_749L_KILLARNEY
FILE: Scn7_2028SP_01_749L_Killarney.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.1892
-0.4280
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.1920
-0.4280
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
2.1465
-0.3588
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
2.2057
-0.5308
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
2.7606
-0.9755
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
1.1210
-0.9857
0.0
3.0000
6.0000
9.0000
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21.000
24.000
27.000
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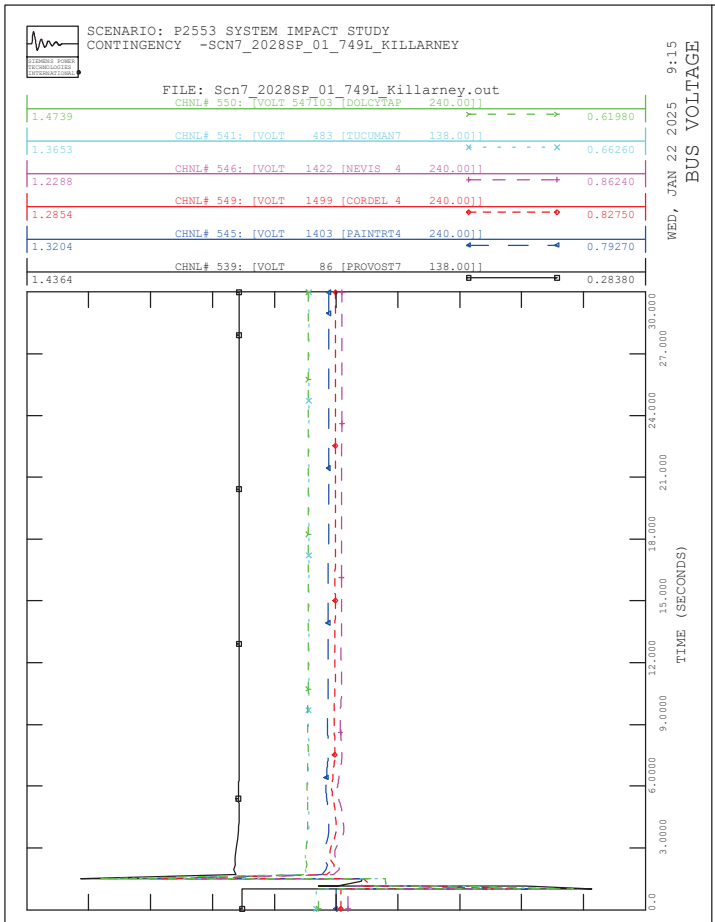
TIME (SECONDS)
WED, JAN 22 2025 9:15
REACTIVE POWER


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_01_749L_KILLARNEY
FILE: Scn7_2028SP_01_749L_Killarney.out
CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.4739
0.61980
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.3653
0.66260
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.2288
0.86240
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2854
0.82750
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.3204
0.79270
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.4364
0.28380
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
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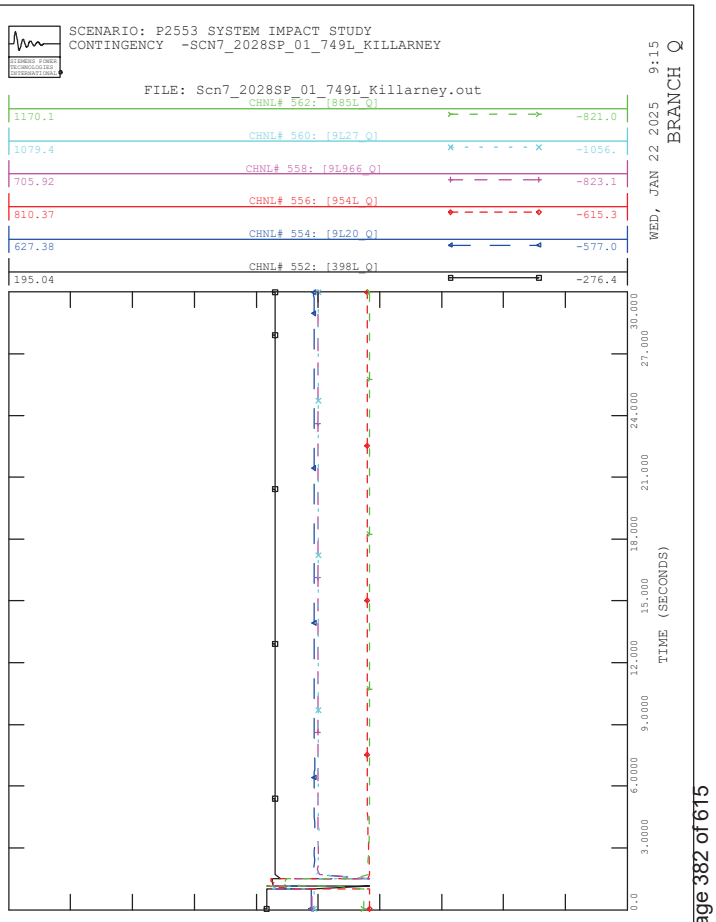
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_01_749L_KILLARNEY
FILE: Scn7_2028SP_01_749L_Killarney.out
CHNL# 562: [885L_Q]
1170.1
-821.0
CHNL# 560: [9L27_Q]
1079.4
-1056.
CHNL# 558: [9L966_Q]
705.92
-823.1
CHNL# 556: [954L_Q]
810.37
-615.3
CHNL# 554: [9L20_Q]
627.38
-577.0
CHNL# 552: [398L_Q]
195.04
-276.4
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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6.0000
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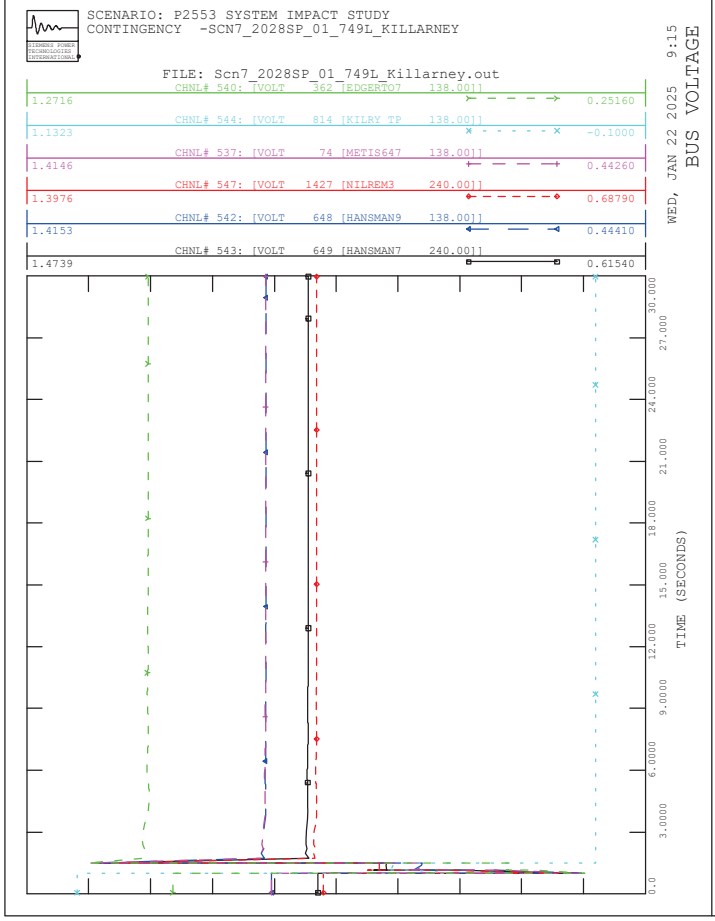
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_01_749L_KILLARNEY
FILE: Scn7_2028SP_01_749L_Killarney.out
CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.2716
0.25160
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.1323
-0.1000
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.4146
0.44260
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.3976
0.68790
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.4153
0.44410
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.4739
0.61540
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
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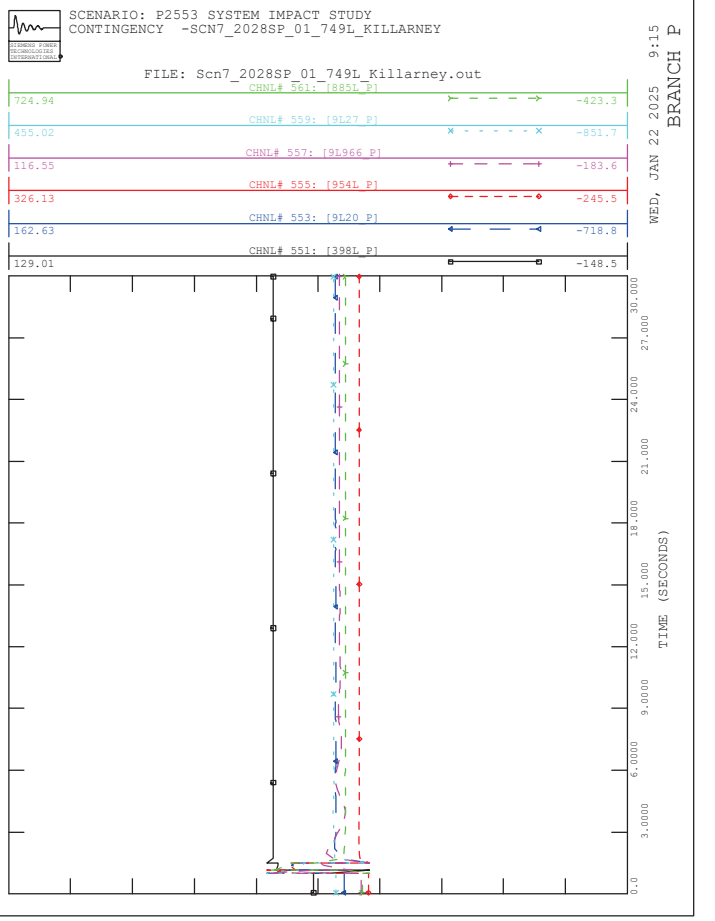
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_01_749L_KILLARNEY
FILE: Scn7_2028SP_01_749L_Killarney.out
CHNL# 561: [885L_P]
724.94
-423.3
CHNL# 559: [9L27_P]
455.02
-851.7
CHNL# 557: [9L966_P]
116.55
-183.6
CHNL# 555: [954L_P]
326.13
-245.5
CHNL# 553: [9L20_P]
162.63
-718.8
CHNL# 551: [398L_P]
129.01
-148.5
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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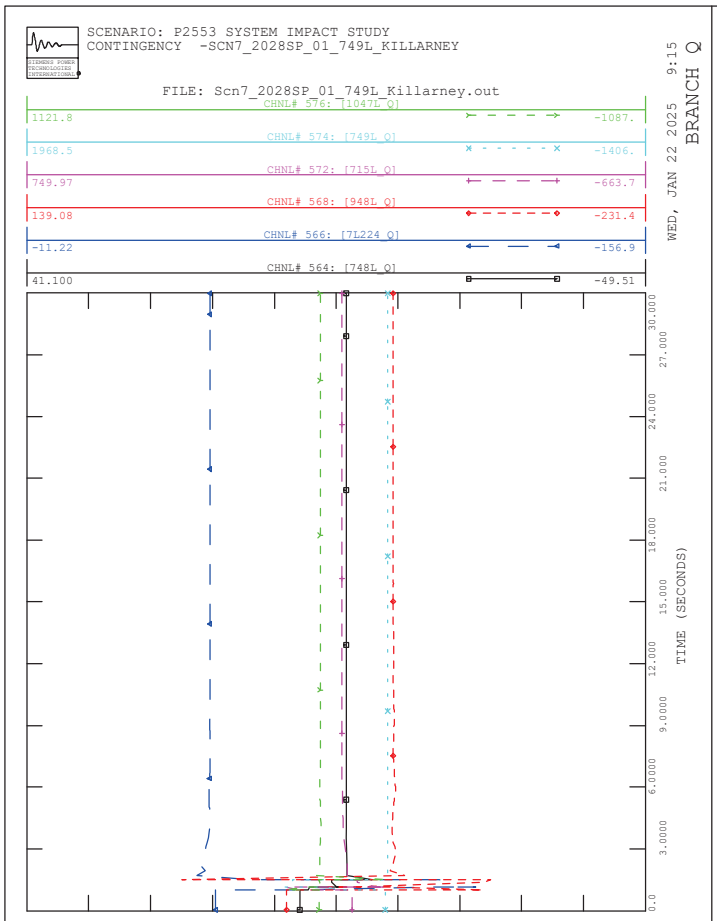
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_01_749L_KILLARNEY
FILE: Scn7_2028SP_01_749L_Killarney.out
CHNL# 576: [1047L_Q]
1121.8
-1087.
CHNL# 574: [749L_Q]
1968.5
-1406.
CHNL# 572: [715L_Q]
749.97
-663.7
CHNL# 568: [948L_Q]
139.08
-231.4
CHNL# 566: [7L224_Q]
-11.22
-156.9
CHNL# 564: [748L_Q]
41.100
-49.51
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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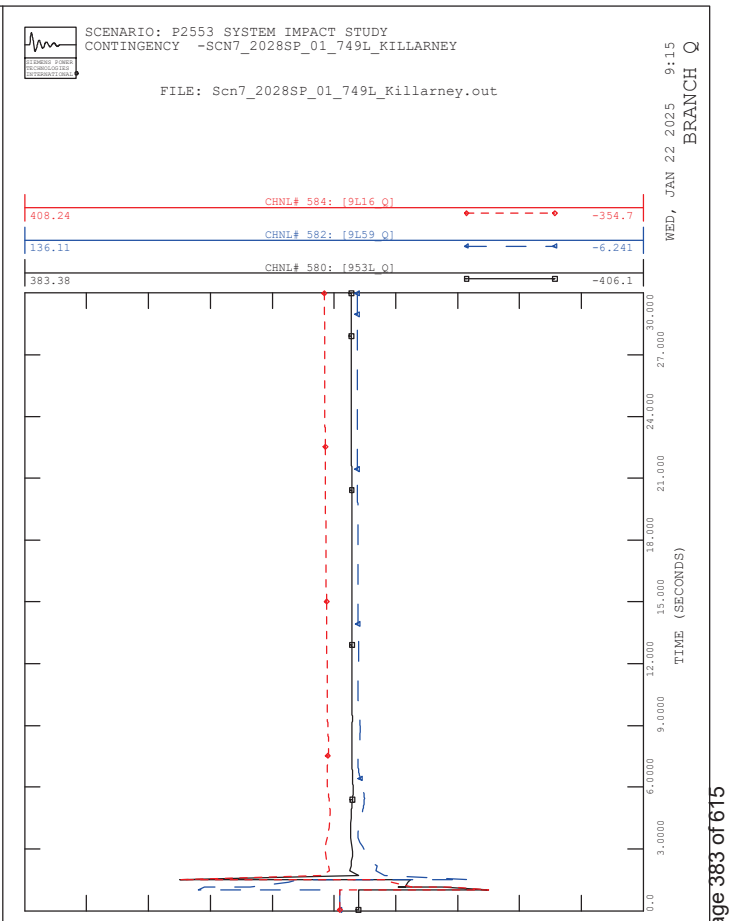
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_01_749L_KILLARNEY
FILE: Scn7_2028SP_01_749L_Killarney.out
CHNL# 584: [9L16_Q]
408.24
-354.7
CHNL# 582: [9L59_Q]
136.11
-6.241
CHNL# 580: [953L_Q]
383.38
-406.1
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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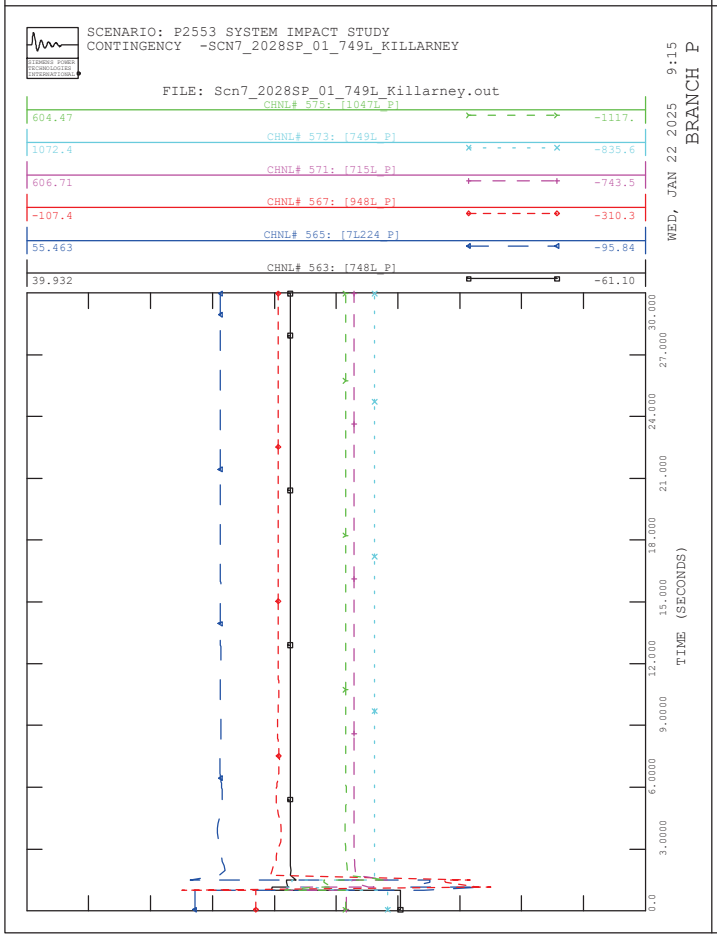
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_01_749L_KILLARNEY
FILE: Scn7_2028SP_01_749L_Killarney.out
CHNL# 575: [1047L_P]
604.47
-1117.
CHNL# 573: [749L_P]
1072.4
-835.6
CHNL# 571: [715L_P]
606.71
-743.5
CHNL# 567: [948L_P]
-107.4
-310.3
CHNL# 565: [7L224_P]
55.463
-95.84
CHNL# 563: [748L_P]
39.932
-61.10
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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6.0000
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18.000
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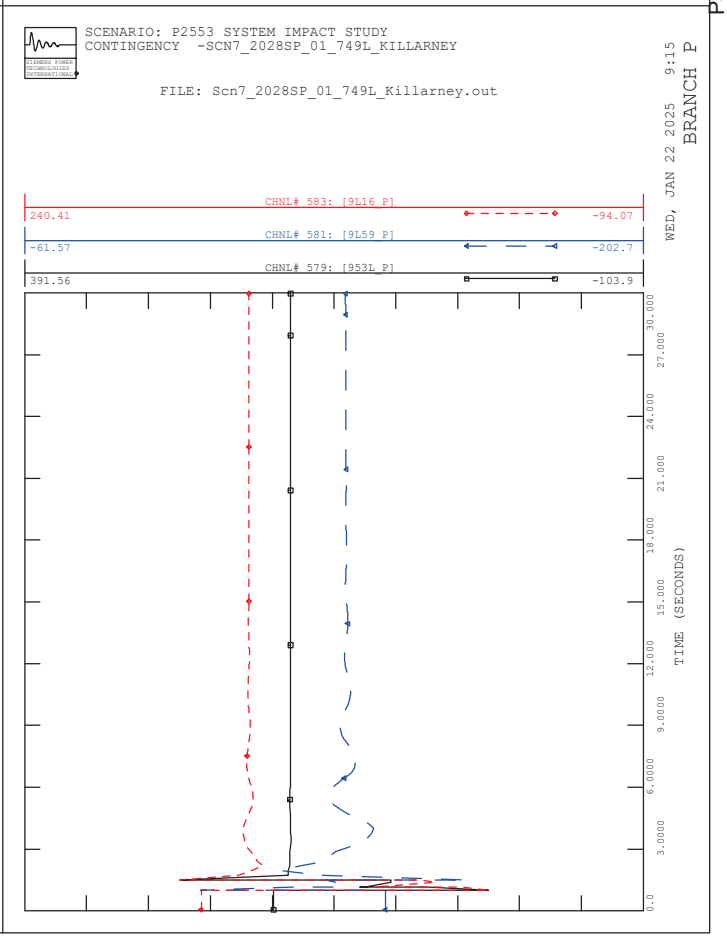
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_01_749L_KILLARNEY
FILE: Scn7_2028SP_01_749L_Killarney.out
CHNL# 583: [9L16_P]
240.41
-94.07
CHNL# 581: [9L59_P]
-61.57
-202.7
CHNL# 579: [953L_P]
391.56
-103.9
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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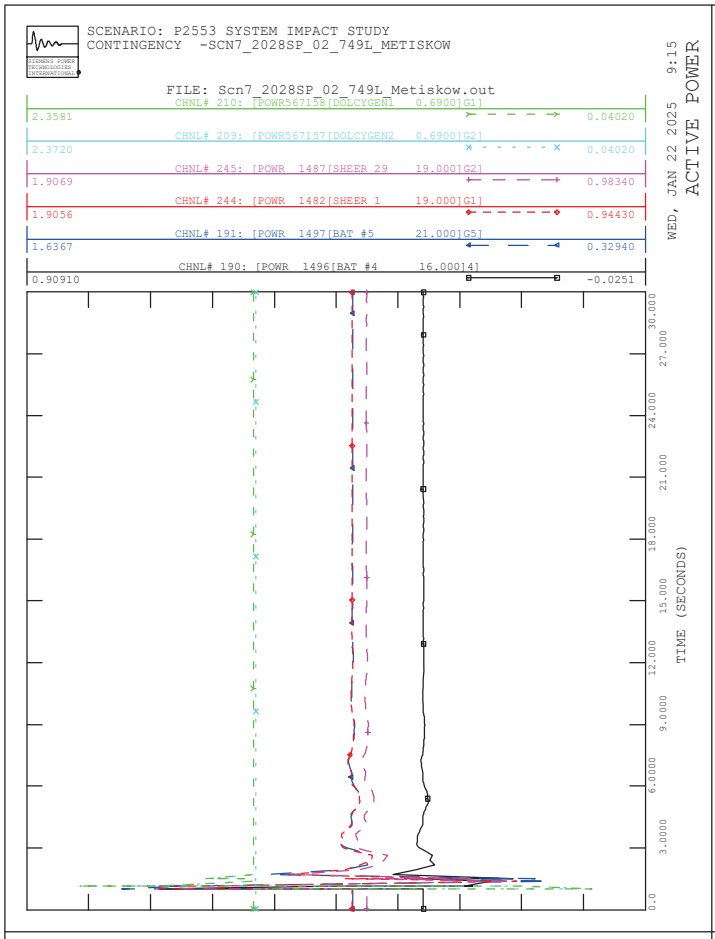
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_02_749L_METISKOW
FILE: Scn7_2028SP_02_749L_Metiskow.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.3581
0.04020
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.3720
0.04020
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.9069
0.98340
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.9056
0.94430
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.6367
0.32940
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.90910
-0.0251
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
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6.0000
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12.000
15.000
18.000
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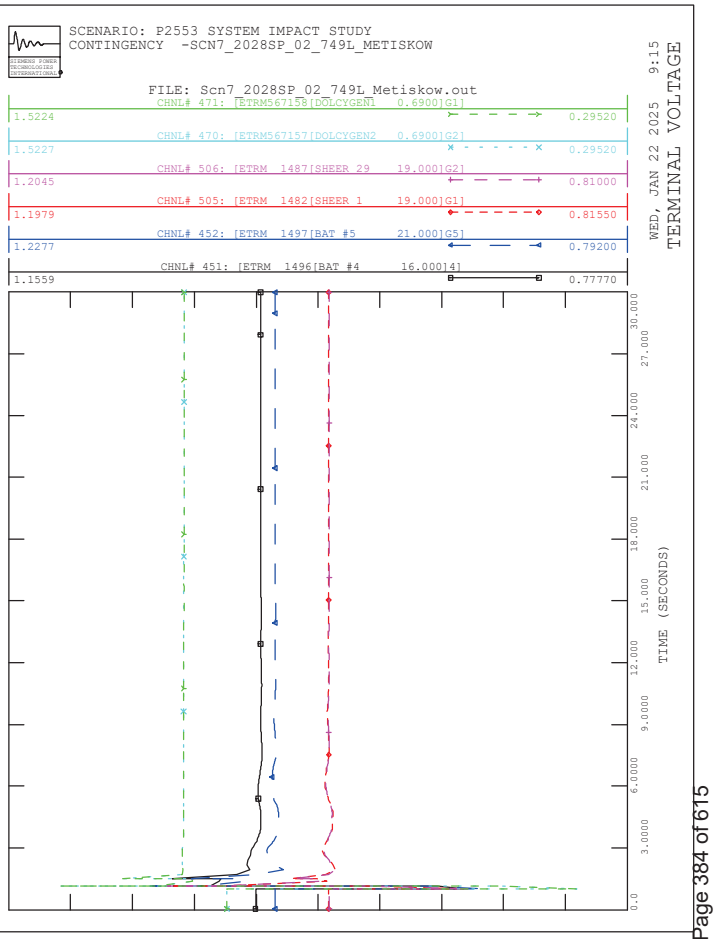
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_02_749L_METISKOW
FILE: Scn7_2028SP_02_749L_Metiskow.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.5224
0.29520
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.5227
0.29520
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.2045
0.81000
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1979
0.81550
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.2277
0.79200
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1559
0.77770
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
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3.0000
6.0000
9.0000
12.000
15.000
18.000
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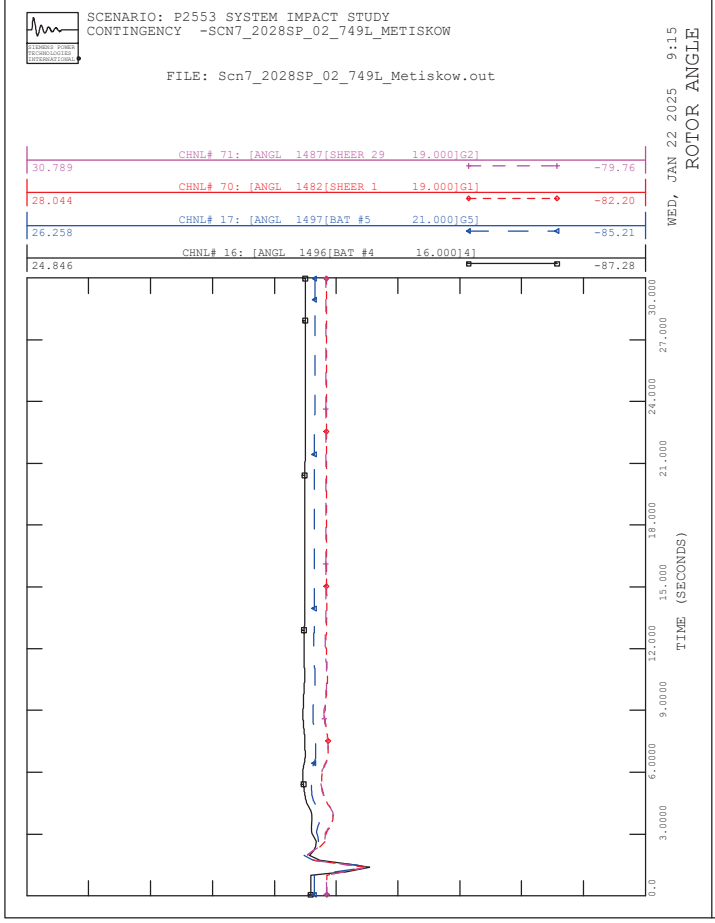
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_02_749L_METISKOW
FILE: Scn7_2028SP_02_749L_Metiskow.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
30.789
-79.76
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
28.044
-82.20
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
26.258
-85.21
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
24.846
-87.28
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
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18.000
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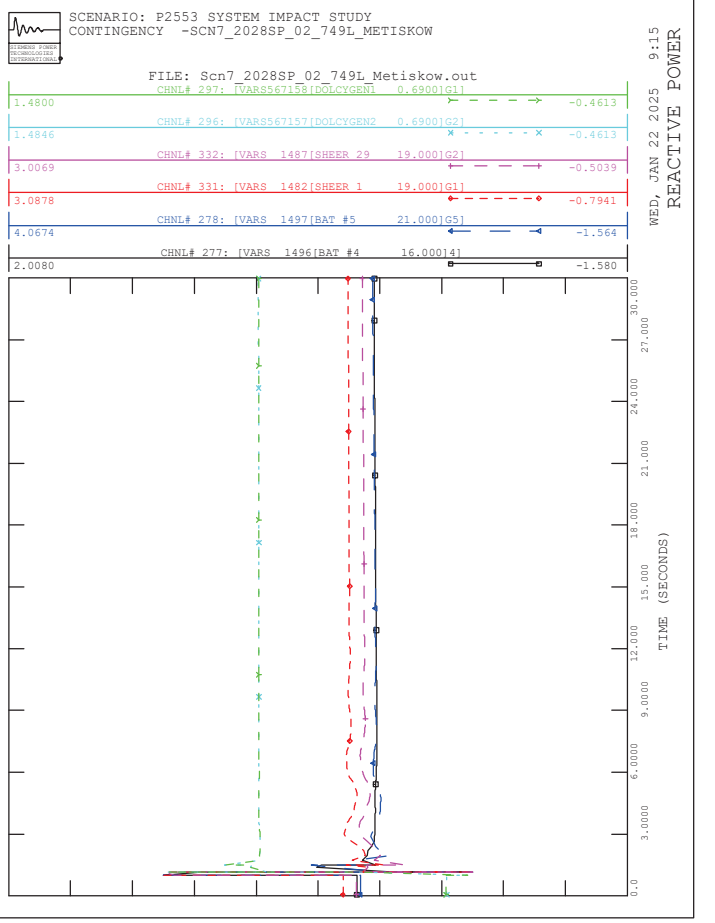
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_02_749L_METISKOW
FILE: Scn7_2028SP_02_749L_Metiskow.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.4800
-0.4613
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.4846
-0.4613
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
3.0069
-0.5039
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
3.0878
-0.7941
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
4.0674
-1.564
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
2.0080
-1.580
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
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21.000
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27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_02_749L_METISKOW

FILE: Scn7_2028SP_02_749L_Metiskow.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.4328 0.28720

CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.3322 0.40040

CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.2401 0.77890

CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2888 0.70130

CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.3174 0.62810

CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.2590 -0.0770

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_02_749L_METISKOW

FILE: Scn7_2028SP_02_749L_Metiskow.out

WED, JAN 22 2025 9:15

BRANCH Q

CHNL# 562: [885L Q]
457.42 -490.0

CHNL# 560: [9L27 Q]
1534.7 -1355.

CHNL# 558: [9L966 Q]
788.40 -784.4

CHNL# 556: [954L Q]
1085.2 -811.6

CHNL# 554: [9L20 Q]
858.31 -727.8

CHNL# 552: [398L Q]
755.06 -1055.

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_02_749L_METISKOW

FILE: Scn7_2028SP_02_749L_Metiskow.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.1881 0.01680

CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.1323 -0.1000

CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.2817 -0.0896

CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.3815 0.42900

CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.2815 -0.0793

CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.4314 0.28010

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_02_749L_METISKOW

FILE: Scn7_2028SP_02_749L_Metiskow.out

WED, JAN 22 2025 9:15

BRANCH P

CHNL# 561: [885L P]
579.74 -504.0

CHNL# 559: [9L27 P]
514.64 -818.8

CHNL# 557: [9L966 P]
340.67 -336.6

CHNL# 555: [954L P]
526.94 -388.5

CHNL# 553: [9L20 P]
258.48 -725.1

CHNL# 551: [398L P]
510.44 -689.5

TIME (SECONDS)

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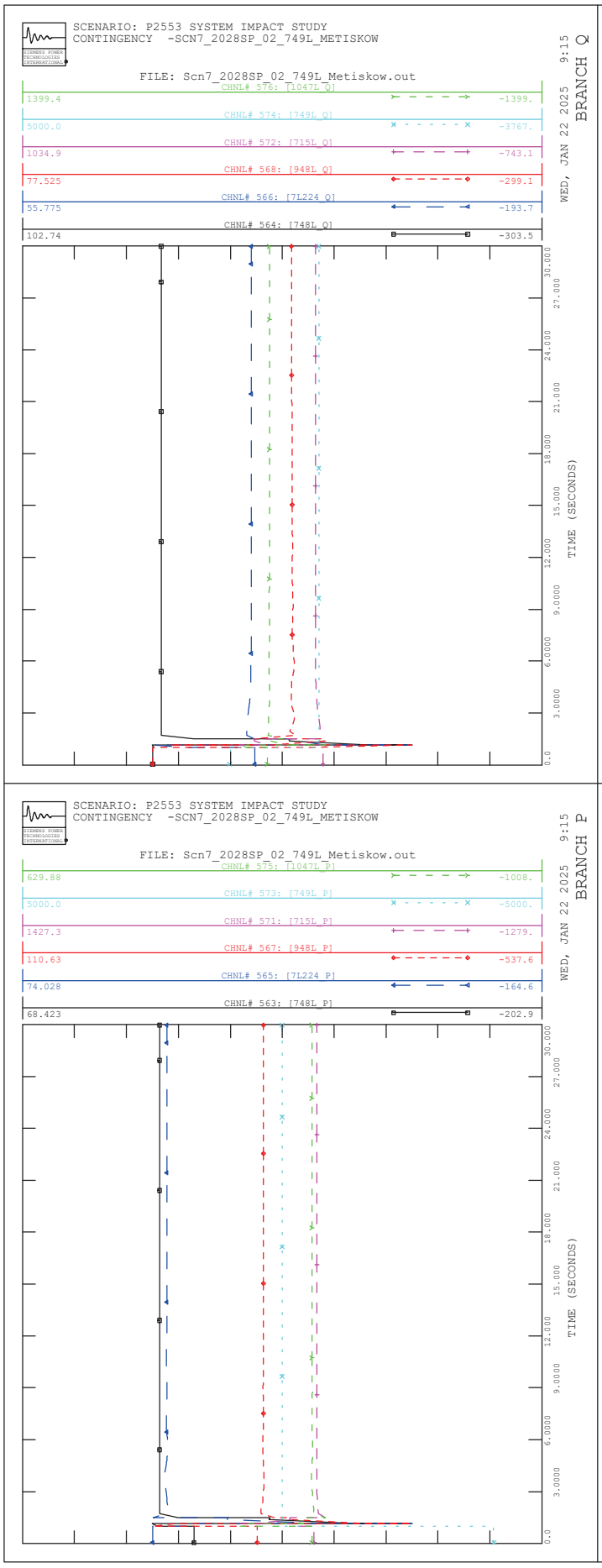
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CONTINGENCY -SCN7_2028SP_02_749L_METISKOW
FILE: Scn7_2028SP_02_749L_Metiskow.out
CHNL# 576: [1047L_Q]
1399.4
-1399.
CHNL# 574: [749L_Q]
5000.0
-3767.
CHNL# 572: [715L_Q]
1034.9
-743.1
CHNL# 568: [948L_Q]
77.525
-299.1
CHNL# 566: [7L224_Q]
55.775
-193.7
CHNL# 564: [748L_Q]
102.74
-303.5
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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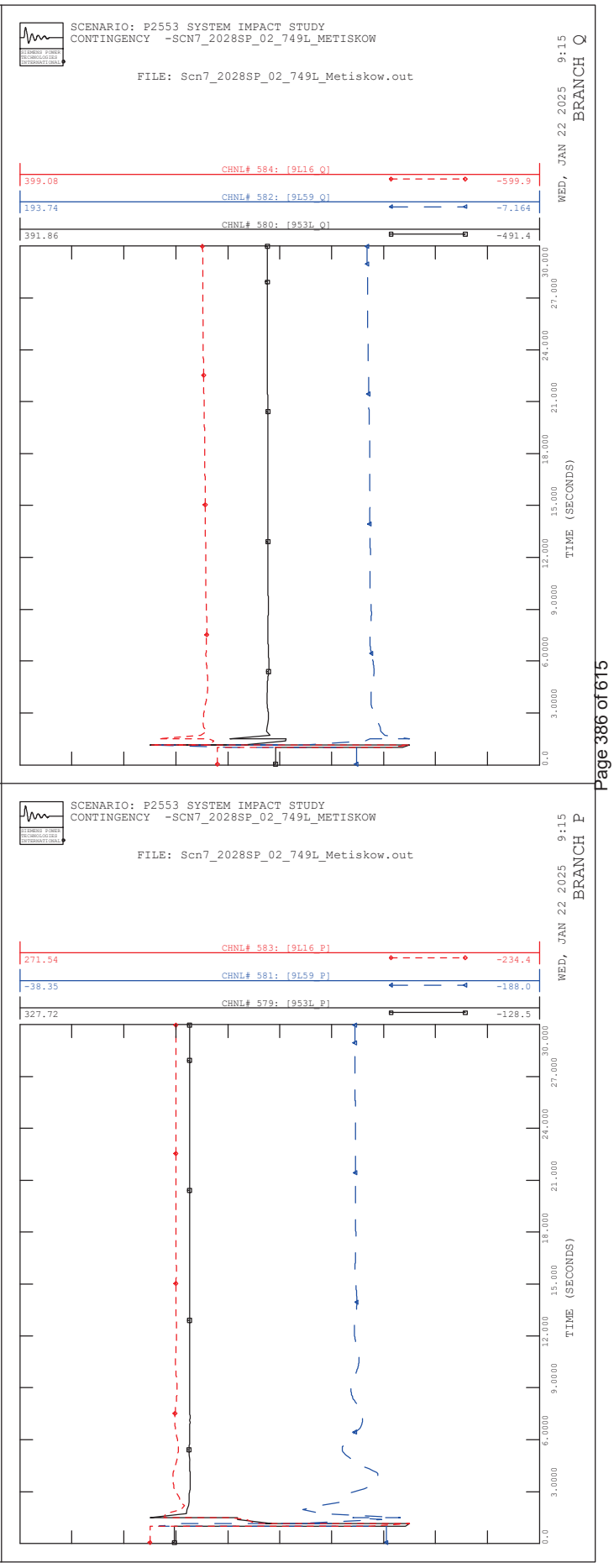
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_02_749L_METISKOW
FILE: Scn7_2028SP_02_749L_Metiskow.out
CHNL# 584: [9L16_Q]
399.08
-599.9
CHNL# 582: [9L59_Q]
193.74
-7.164
CHNL# 580: [953L_Q]
391.86
-491.4
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
0.0
3.0000
6.0000
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_02_749L_METISKOW
FILE: Scn7_2028SP_02_749L_Metiskow.out
CHNL# 575: [1047L_P]
629.88
-1008.
CHNL# 573: [749L_P]
5000.0
-5000.
CHNL# 571: [715L_P]
1427.3
-1279.
CHNL# 567: [948L_P]
110.63
-537.6
CHNL# 565: [7L224_P]
74.028
-164.6
CHNL# 563: [748L_P]
68.423
-202.9
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
0.0
3.0000
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_02_749L_METISKOW
FILE: Scn7_2028SP_02_749L_Metiskow.out
CHNL# 583: [9L16_P]
271.54
-234.4
CHNL# 581: [9L59_P]
-38.35
-188.0
CHNL# 579: [953L_P]
327.72
-128.5
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_03_749L_EDGERTON

FILE: Scn7_2028SP_03_749L_Edgerton.out

CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.1477 0.85930
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.1476 0.85930
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.8376 0.90180
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.8566 0.89260
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.5021 0.28750
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.76590 -0.1586

WED, JAN 22 2025 9:15
ACTIVE POWER

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_03_749L_EDGERTON

FILE: Scn7_2028SP_03_749L_Edgerton.out

CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.4691 0.72990
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.4693 0.72990
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1360 0.86750
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1322 0.86940
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.2012 0.88460
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1639 0.85330

WED, JAN 22 2025 9:15
TERMINAL VOLTAGE

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_03_749L_EDGERTON

FILE: Scn7_2028SP_03_749L_Edgerton.out

CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
30.555 -77.46
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
27.716 -80.00
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
26.132 -82.12
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
24.543 -85.68

WED, JAN 22 2025 9:15
ROTOR ANGLE

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_03_749L_EDGERTON

FILE: Scn7_2028SP_03_749L_Edgerton.out

CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.1458 -0.4187
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.1483 -0.4187
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
1.9193 -0.0570
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
1.9508 -0.2083
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
2.3378 -0.5883
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
0.98110 -0.8778

WED, JAN 22 2025 9:15
REACTIVE POWER

TIME (SECONDS)
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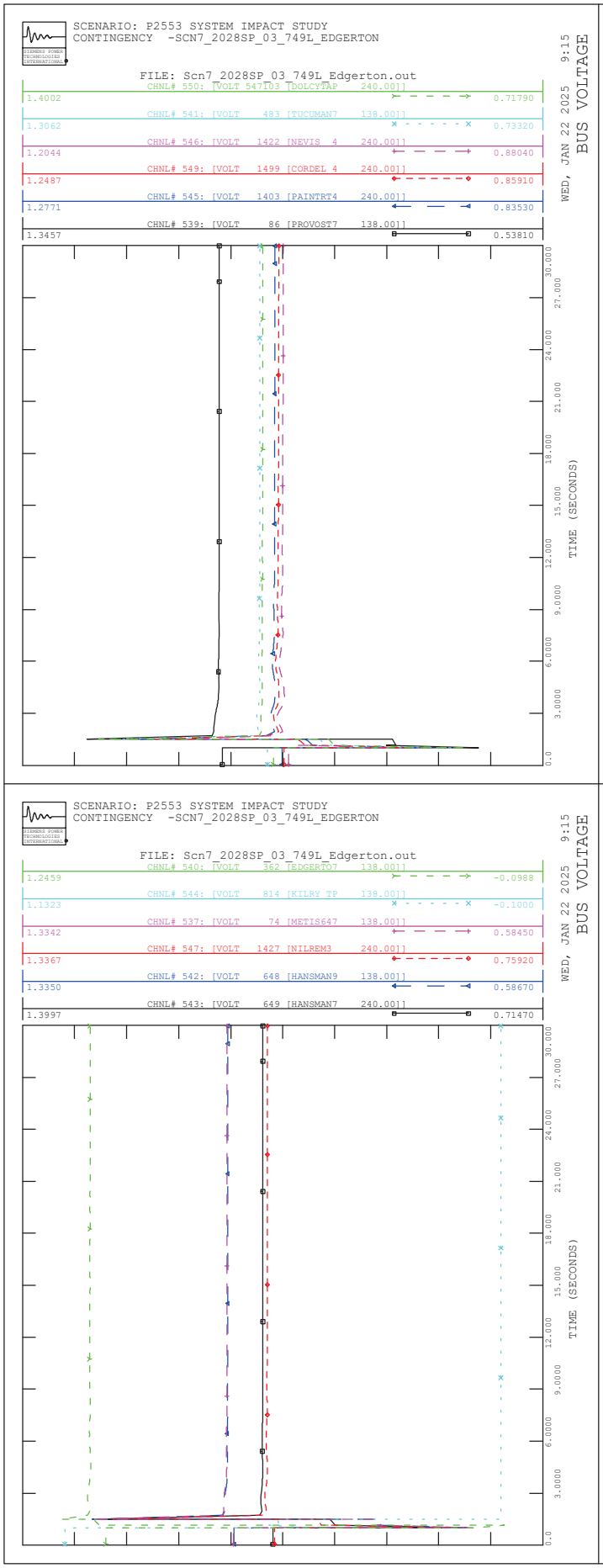
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CONTINGENCY -SCN7_2028SP_03_749L_EDGERTON
FILE: Scn7_2028SP_03_749L_Edgerton.out
CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.4002
0.71790
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.3062
0.73320
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.2044
0.88040
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2487
0.85910
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.2771
0.83530
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.3457
0.53810
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
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3.0000
6.0000
9.0000
12.000
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18.000
21.000
24.000
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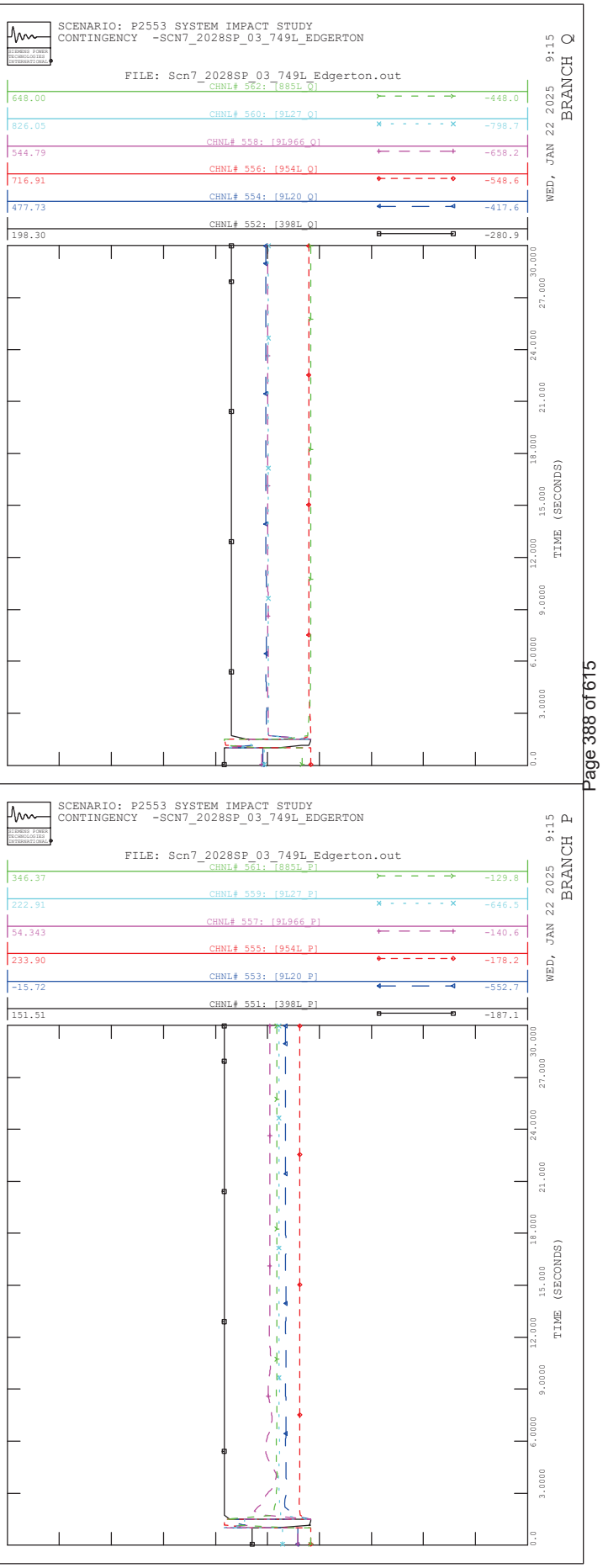
30.000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CONTINGENCY -SCN7_2028SP_03_749L_EDGERTON
FILE: Scn7_2028SP_03_749L_Edgerton.out
CHNL# 562: [885L Q]
648.00
-448.0
CHNL# 560: [9L27 Q]
826.05
-798.7
CHNL# 558: [9L966 Q]
544.79
-658.2
CHNL# 556: [954L Q]
716.91
-548.6
CHNL# 554: [9L20 Q]
477.73
-417.6
CHNL# 552: [398L Q]
198.30
-280.9
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_03_749L_EDGERTON
FILE: Scn7_2028SP_03_749L_Edgerton.out
CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.2459
-0.0988
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.1323
-0.1000
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.3342
0.58450
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.3367
0.75920
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.3350
0.58670
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.3997
0.71470
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_03_749L_EDGERTON
FILE: Scn7_2028SP_03_749L_Edgerton.out
CHNL# 561: [885L P]
346.37
-129.8
CHNL# 559: [9L27 P]
222.91
-646.5
CHNL# 557: [9L966 P]
54.343
-140.6
CHNL# 555: [954L P]
233.90
-178.2
CHNL# 553: [9L20 P]
-15.72
-552.7
CHNL# 551: [398L P]
151.51
-187.1
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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21.000
24.000
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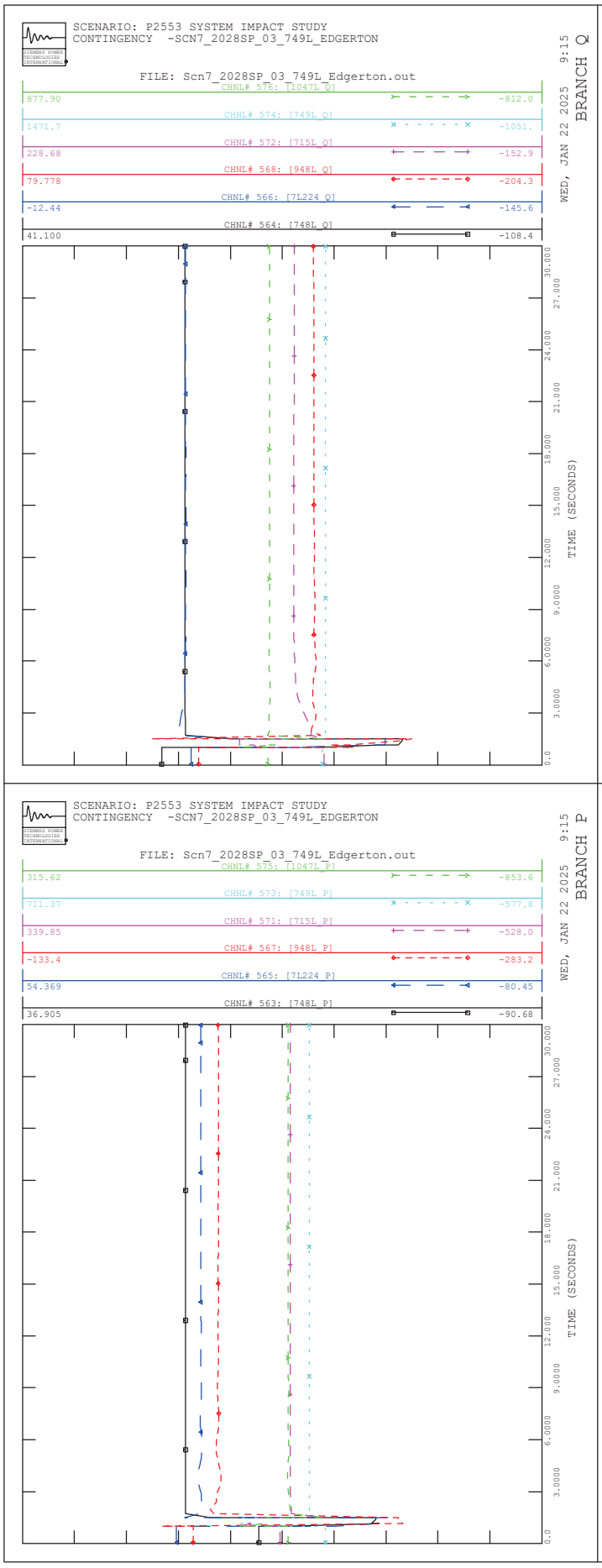
30.000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CONTINGENCY -SCN7_2028SP_03_749L_EDGERTON
FILE: Scn7_2028SP_03_749L_Edgerton.out
CHNL# 576: [1047L Q]
877.90
-812.0
CHNL# 574: [749L Q]
1471.7
-1051.
CHNL# 572: [715L Q]
228.68
-152.9
CHNL# 568: [948L Q]
79.778
-204.3
CHNL# 566: [7L224 Q]
-12.44
-145.6
CHNL# 564: [748L Q]
41.100
-108.4
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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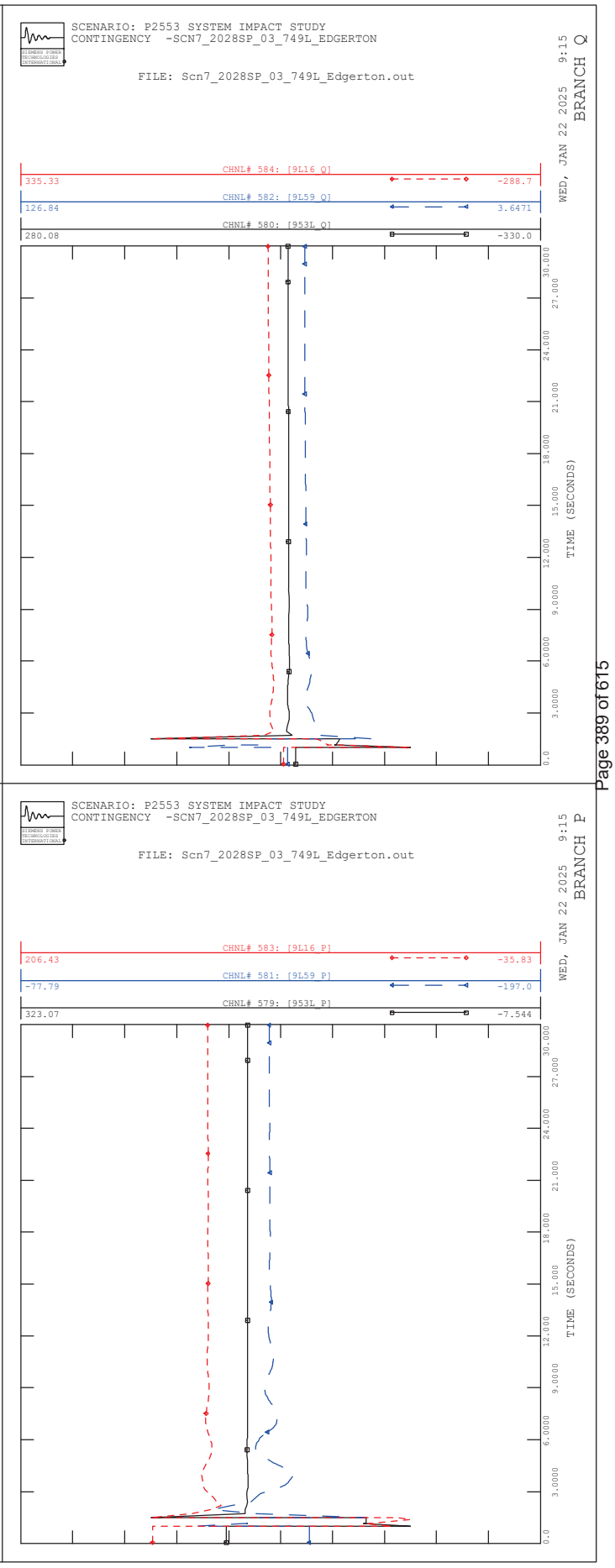
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CONTINGENCY -SCN7_2028SP_03_749L_EDGERTON
FILE: Scn7_2028SP_03_749L_Edgerton.out
CHNL# 584: [9L16 Q]
335.33
-288.7
CHNL# 582: [9L59 Q]
126.84
3.6471
CHNL# 580: [953L Q]
280.08
-330.0
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_03_749L_EDGERTON
FILE: Scn7_2028SP_03_749L_Edgerton.out
CHNL# 575: [1047L P]
315.62
-853.6
CHNL# 573: [749L P]
711.37
-577.8
CHNL# 571: [715L P]
339.85
-528.0
CHNL# 567: [948L P]
-133.4
-283.2
CHNL# 565: [7L224 P]
54.369
-80.45
CHNL# 563: [748L P]
36.905
-90.68
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_03_749L_EDGERTON
FILE: Scn7_2028SP_03_749L_Edgerton.out
CHNL# 583: [9L16 P]
206.43
-35.83
CHNL# 581: [9L59 P]
-77.79
-197.0
CHNL# 579: [953L P]
323.07
-7.544
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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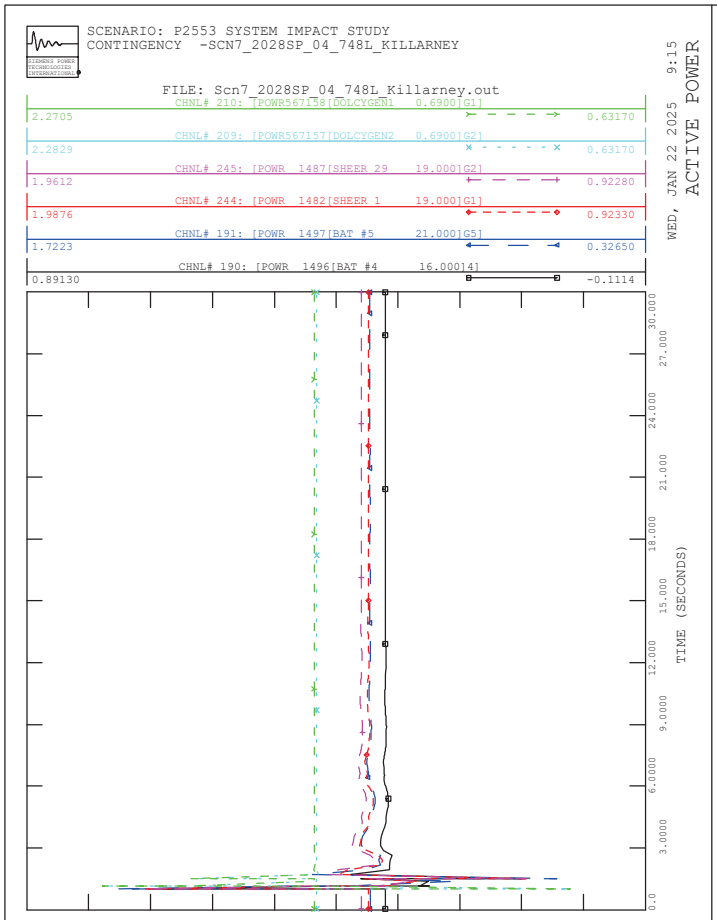
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CONTINGENCY -SCN7_2028SP_04_748L_KILLARNEY
FILE: Scn7_2028SP_04_748L_Killarney.out
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2.2705
0.63170
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.2829
0.63170
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.9612
0.92280
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.9876
0.92330
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.7223
0.32650
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.89130
-0.1114
0.0
3.0000
6.0000
9.0000
12.000
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21.000
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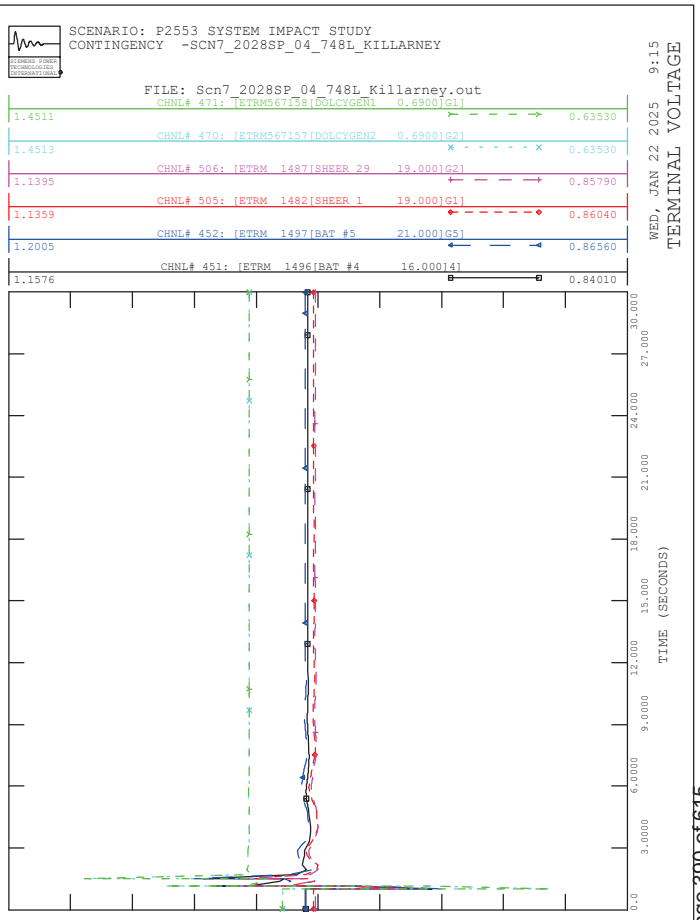
TIME (SECONDS)
WED, JAN 22 2025 9:15
ACTIVE POWER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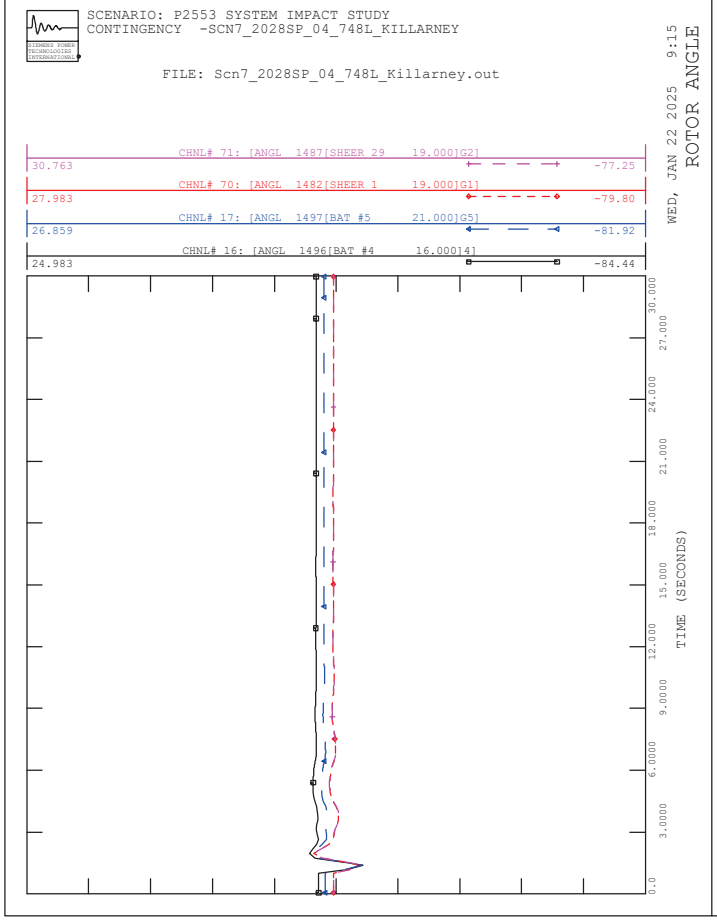
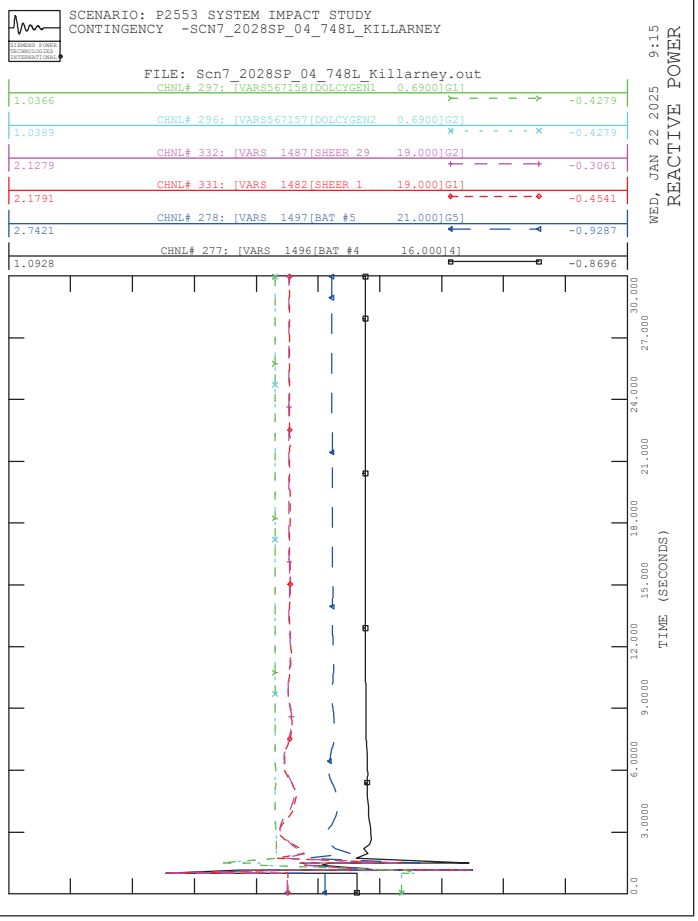
CONTINGENCY -SCN7_2028SP_04_748L_KILLARNEY
FILE: Scn7_2028SP_04_748L_Killarney.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.4511
0.63530
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.4513
0.63530
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1395
0.85790
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1359
0.86040
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.2005
0.86560
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1576
0.84010
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000
TIME (SECONDS)
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_04_748L_KILLARNEY
FILE: Scn7_2028SP_04_748L_Killarney.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
30.763
-77.25
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
27.983
-79.80
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
26.859
-81.92
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
24.983
-84.44
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000
TIME (SECONDS)
WED, JAN 22 2025 9:15
ROTOR ANGLE


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_04_748L_KILLARNEY
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CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
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-0.4279
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.0389
-0.4279
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
2.1279
-0.3061
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
2.1791
-0.4541
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
2.7421
-0.9287
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
1.0928
-0.8696
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12.000
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21.000
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30.000
TIME (SECONDS)
WED, JAN 22 2025 9:15
REACTIVE POWER

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_04_748L_KILLARNEY

FILE: Scn7_2028SP_04_748L_Killarney.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]] 1.3918 0.62060
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]] 1.2983 0.66330
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]] 1.2005 0.86260
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]] 1.2417 0.82780
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]] 1.2694 0.79310
CHNL# 539: [VOLT 86 [PROVOST7 138.00]] 1.4059 0.28390

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_04_748L_KILLARNEY

FILE: Scn7_2028SP_04_748L_Killarney.out

WED, JAN 22 2025 9:15

BRANCH Q

CHNL# 562: [885L Q] 1120.5 -1312.
CHNL# 560: [9L27 Q] 948.52 -873.2
CHNL# 558: [9L966 Q] 659.76 -759.6
CHNL# 556: [954L Q] 864.30 -692.3
CHNL# 554: [9L20 Q] 531.51 -443.3
CHNL# 552: [398L Q] 474.85 -668.1

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TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_04_748L_KILLARNEY

FILE: Scn7_2028SP_04_748L_Killarney.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]] 1.3376 0.25410
CHNL# 544: [VOLT 814 [KILRY TP 138.00]] 1.3535 0.18390
CHNL# 537: [VOLT 74 [METIS647 138.00]] 1.3501 0.44380
CHNL# 547: [VOLT 1427 [NILREM3 240.00]] 1.3246 0.68860
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]] 1.3511 0.44520
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]] 1.3915 0.61620

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TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_04_748L_KILLARNEY

FILE: Scn7_2028SP_04_748L_Killarney.out

WED, JAN 22 2025 9:15

BRANCH P

CHNL# 561: [885L P] 588.24 -479.7
CHNL# 559: [9L27 P] 424.01 -808.8
CHNL# 557: [9L966 P] 125.87 -196.9
CHNL# 555: [954L P] 423.70 -343.4
CHNL# 553: [9L20 P] 159.70 -715.1
CHNL# 551: [398L P] 262.41 -325.1

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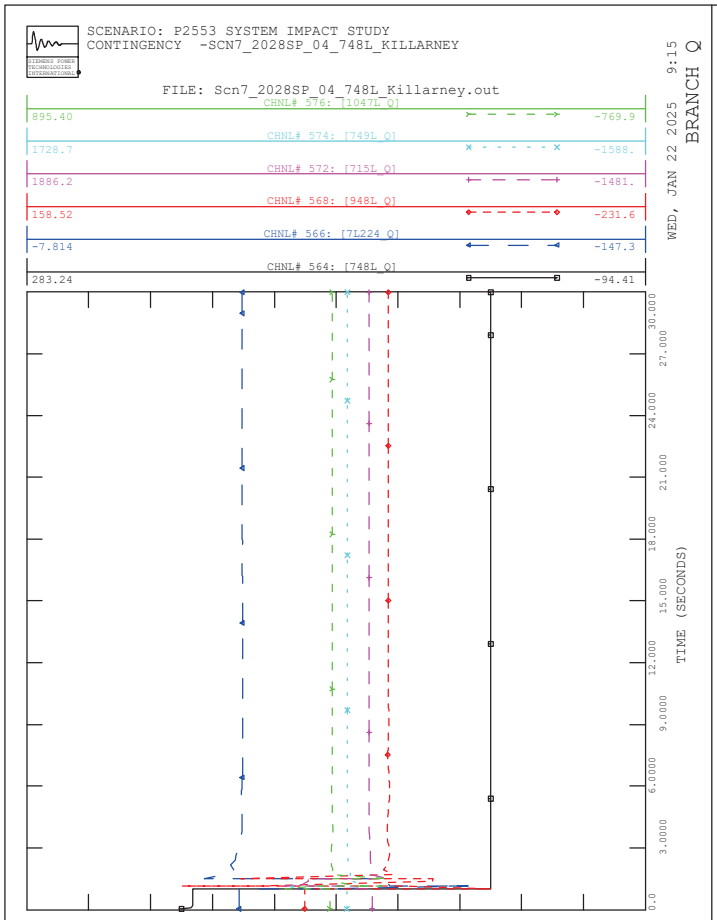
TIME (SECONDS)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-769.9
CHNL# 574: [749L_Q]
1728.7
-1588.
CHNL# 572: [715L_Q]
1886.2
-1481.
CHNL# 568: [948L_Q]
158.52
-231.6
CHNL# 566: [7L224_Q]
-7.814
-147.3
CHNL# 564: [748L_Q]
283.24
-94.41
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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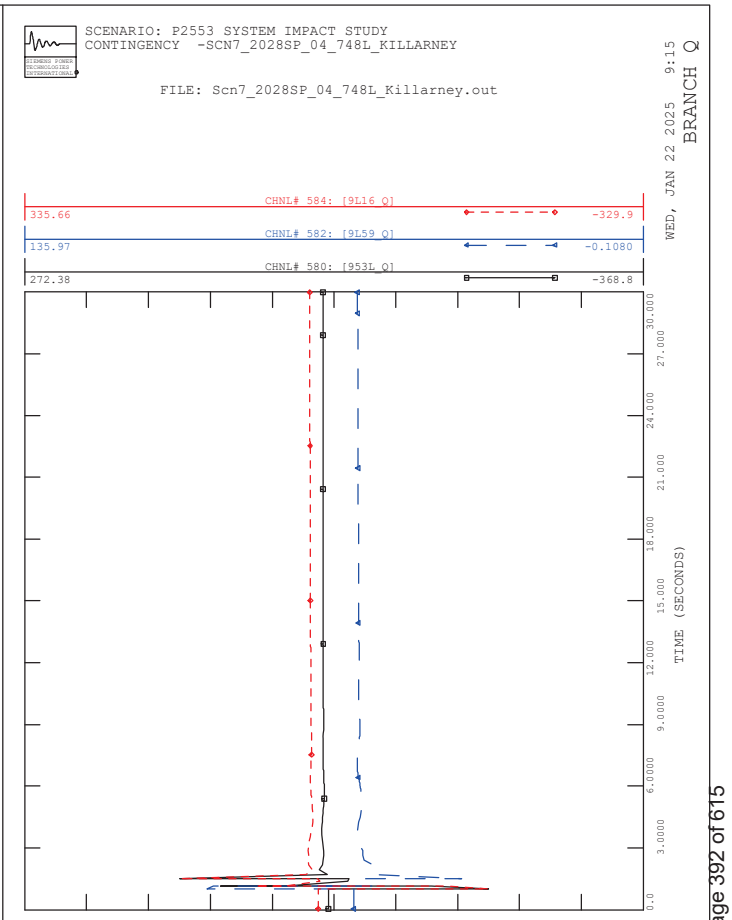
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FILE: Scn7_2028SP_04_748L_Killarney.out
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-329.9
CHNL# 582: [9L59_Q]
135.97
-0.1080
CHNL# 580: [953L_Q]
272.38
-368.8
WED, JAN 22 2025 9:15
BRANCH Q
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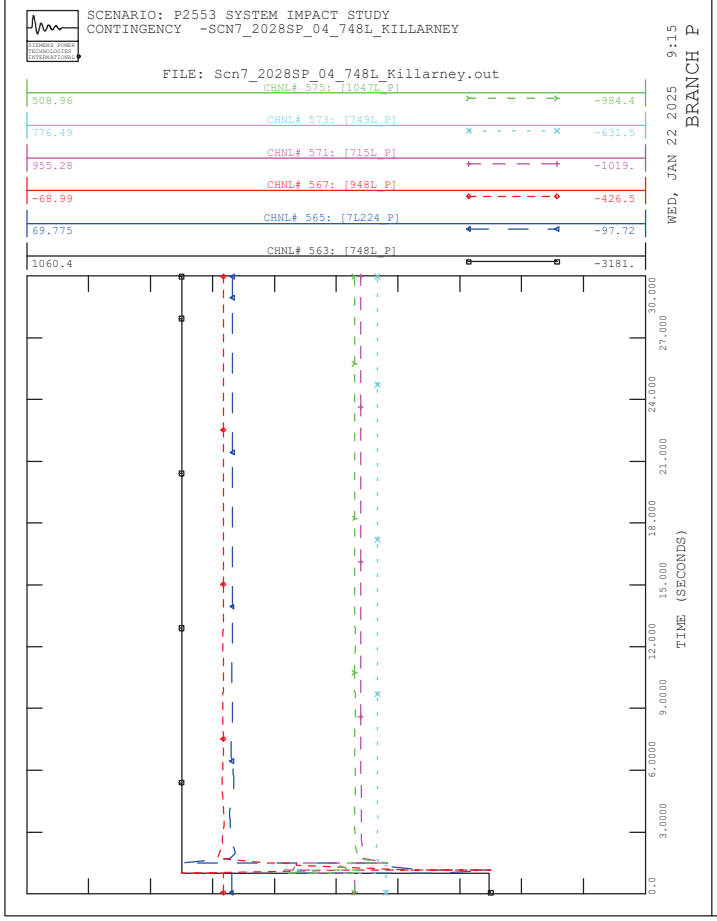
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FILE: Scn7_2028SP_04_748L_Killarney.out
CHNL# 575: [1047L_P]
508.96
-984.4
CHNL# 573: [749L_P]
776.49
-631.5
CHNL# 571: [715L_P]
955.28
-1019.
CHNL# 567: [948L_P]
-68.99
-426.5
CHNL# 565: [7L224_P]
69.775
-97.72
CHNL# 563: [748L_P]
1060.4
-3181.
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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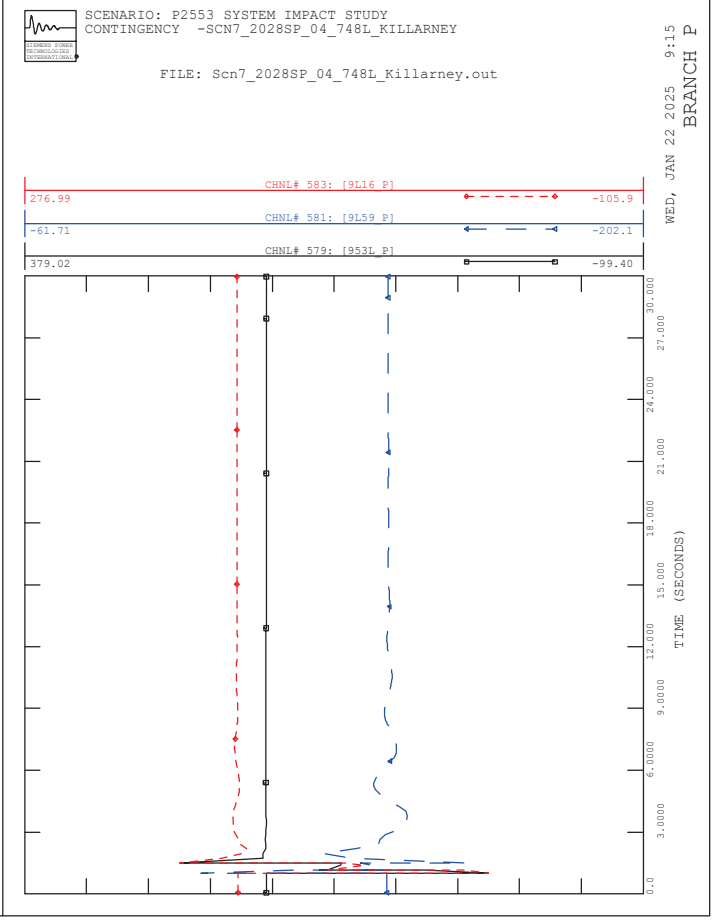
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CONTINGENCY -SCN7_2028SP_04_748L_KILLARNEY
FILE: Scn7_2028SP_04_748L_Killarney.out
CHNL# 583: [9L16_P]
276.99
-105.9
CHNL# 581: [9L59_P]
-61.71
-202.1
CHNL# 579: [953L_P]
379.02
-99.40
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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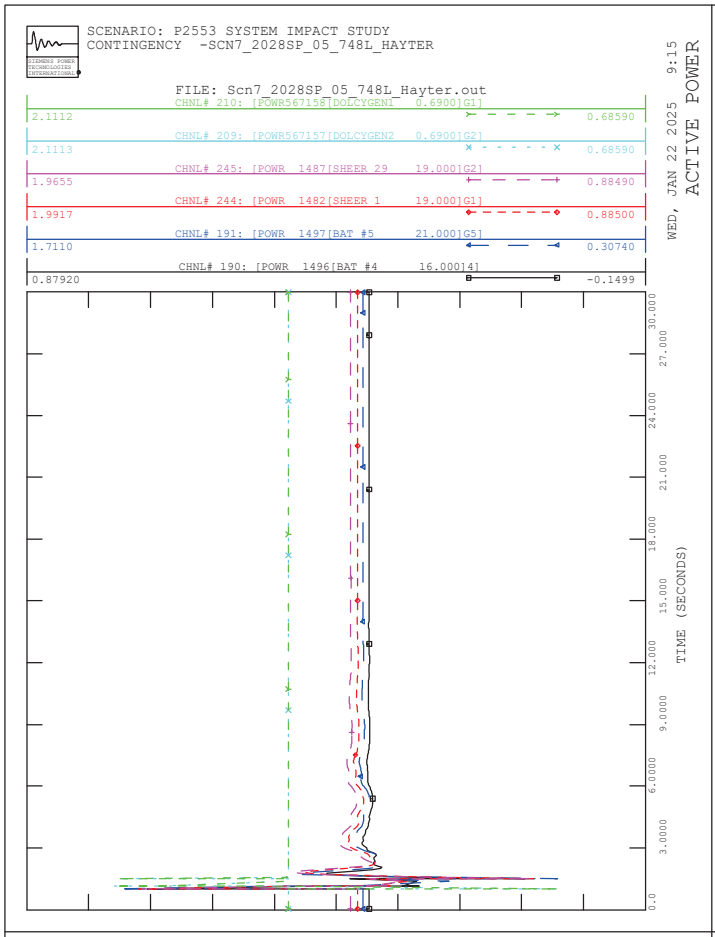
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CONTINGENCY -SCN7_2028SP_05_748L_HAYTER
FILE: Scn7_2028SP_05_748L_Hayter.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.1112
0.68590
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.1113
0.68590
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.9655
0.88490
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.9917
0.88500
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.7110
0.30740
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.87920
-0.1499
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
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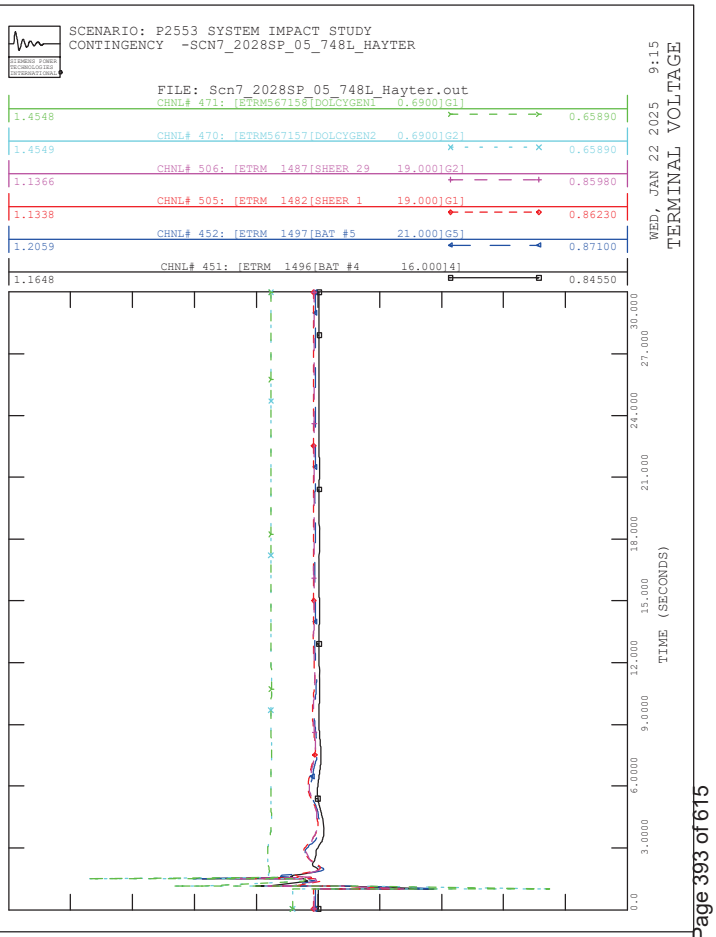
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CONTINGENCY -SCN7_2028SP_05_748L_HAYTER
FILE: Scn7_2028SP_05_748L_Hayter.out
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0.65890
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.4549
0.65890
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1366
0.85980
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1338
0.86230
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.2059
0.87100
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1648
0.84550
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
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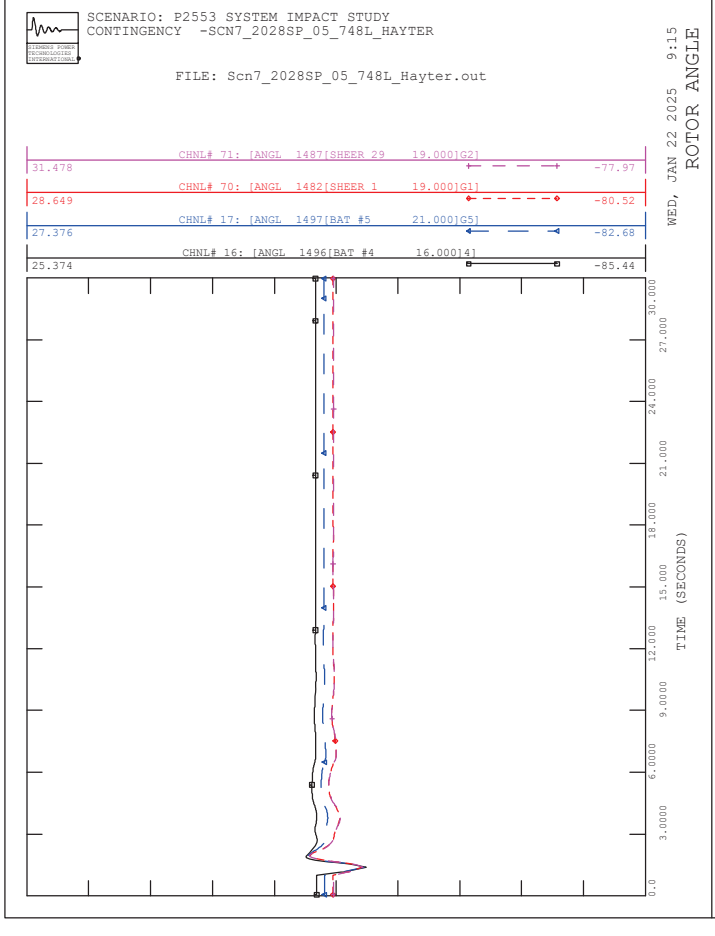
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_05_748L_HAYTER
FILE: Scn7_2028SP_05_748L_Hayter.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
31.478
-77.97
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
28.649
-80.52
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
27.376
-82.68
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
25.374
-85.44
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
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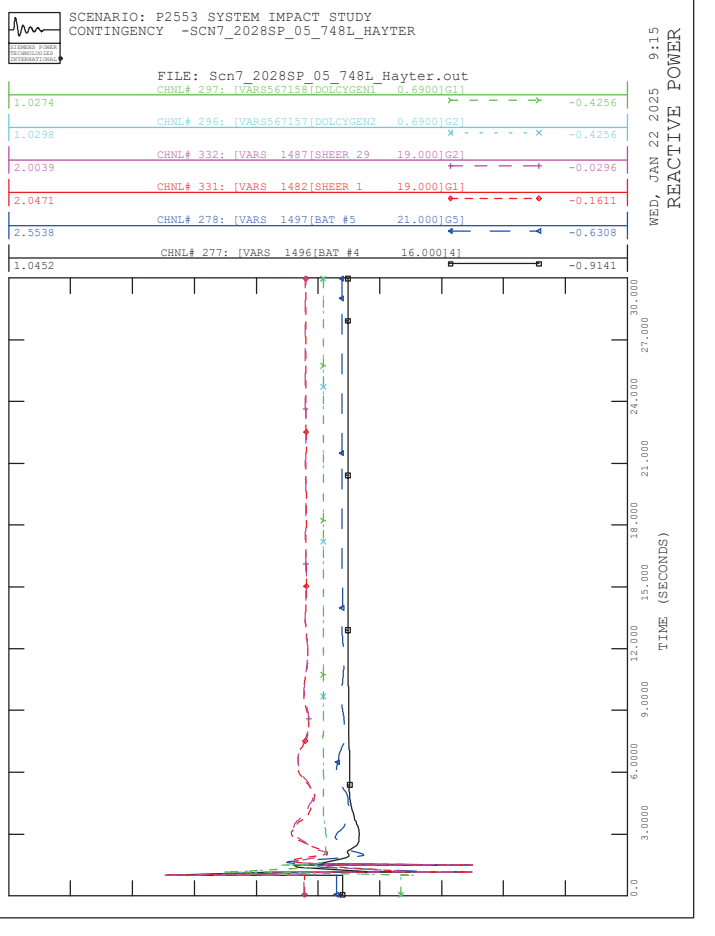
30.000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CONTINGENCY -SCN7_2028SP_05_748L_HAYTER
FILE: Scn7_2028SP_05_748L_Hayter.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.0274
-0.4256
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.0298
-0.4256
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
2.0039
-0.0296
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
2.0471
-0.1611
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
2.5538
-0.6308
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
1.0452
-0.9141
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
0.0
3.0000
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_05_748L_HAYTER

FILE: Scn7_2028SP_05_748L_Hayter.out

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.4093 0.64410
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.3155 0.68330
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.2060 0.86830
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2532 0.83710
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.2824 0.80490
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.3796 0.24190

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

WED, JAN 22 2025 9:15
BUS VOLTAGE

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_05_748L_HAYTER

FILE: Scn7_2028SP_05_748L_Hayter.out

CHNL# 562: [885L_Q]
1305.9 -967.5
CHNL# 560: [9L27_Q]
946.44 -894.4
CHNL# 558: [9L966_Q]
613.46 -723.0
CHNL# 556: [954L_Q]
901.85 -713.2
CHNL# 554: [9L20_Q]
535.89 -465.0
CHNL# 552: [398L_Q]
39.198 -44.57

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TIME (SECONDS)

WED, JAN 22 2025 9:15
BRANCH Q

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_05_748L_HAYTER

FILE: Scn7_2028SP_05_748L_Hayter.out

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.3744 0.36360
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.3922 0.30500
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.3650 0.47690
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.3426 0.70760
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.3653 0.47680
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.4095 0.63990

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TIME (SECONDS)

WED, JAN 22 2025 9:15
BUS VOLTAGE

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_05_748L_HAYTER

FILE: Scn7_2028SP_05_748L_Hayter.out

CHNL# 561: [885L_P]
885.84 -591.0
CHNL# 559: [9L27_P]
381.89 -764.0
CHNL# 557: [9L966_P]
104.56 -172.3
CHNL# 555: [954L_P]
363.48 -271.4
CHNL# 553: [9L20_P]
122.63 -676.4
CHNL# 551: [398L_P]
77.915 -69.11

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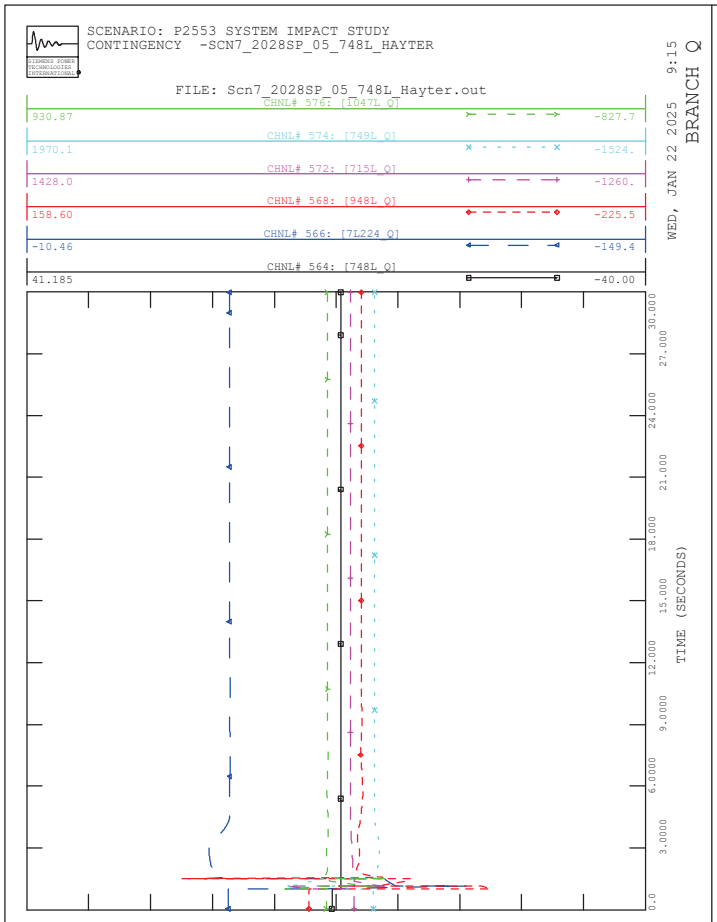
TIME (SECONDS)

WED, JAN 22 2025 9:15
BRANCH P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CHNL# 574: [749L_Q]
1970.1
-1524.
CHNL# 572: [715L_Q]
1428.0
-1260.
CHNL# 568: [948L_Q]
158.60
-225.5
CHNL# 566: [7L224_Q]
-10.46
-149.4
CHNL# 564: [748L_Q]
41.185
-40.00
BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
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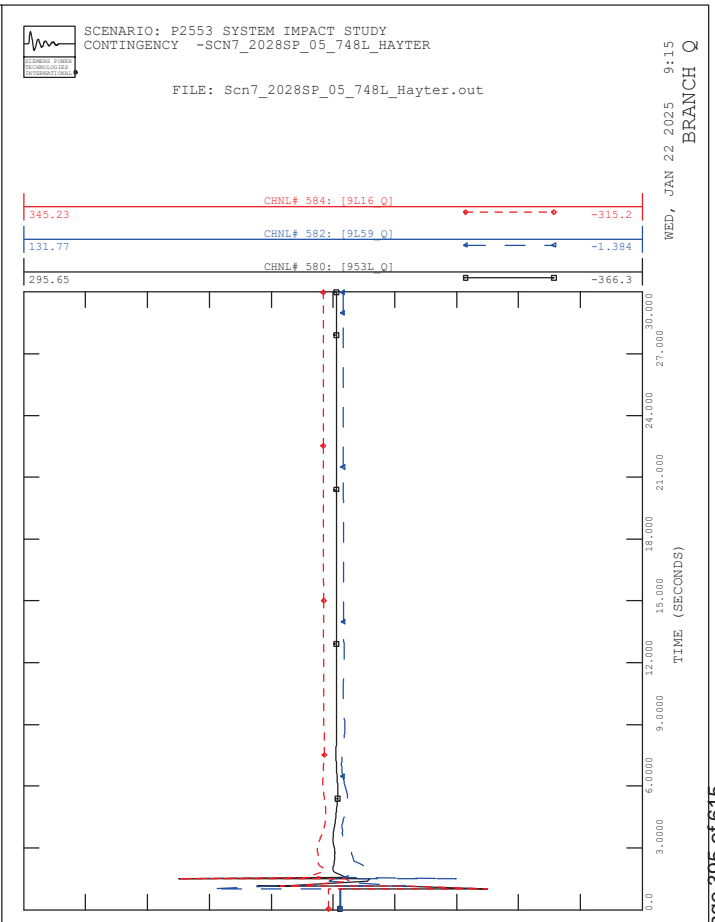
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FILE: Scn7_2028SP_05_748L_Hayter.out
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345.23
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CHNL# 582: [9L59_Q]
131.77
-1.384
CHNL# 580: [953L_Q]
295.65
-366.3
BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
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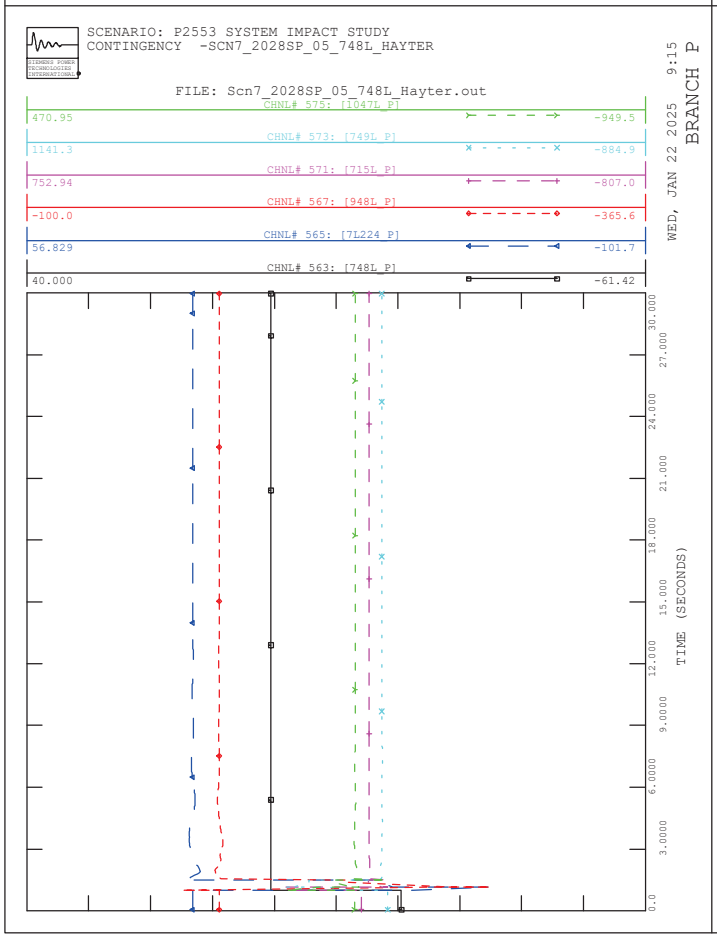
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470.95
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CHNL# 573: [749L_P]
1141.3
-884.9
CHNL# 571: [715L_P]
752.94
-807.0
CHNL# 567: [948L_P]
-100.0
-365.6
CHNL# 565: [7L224_P]
56.829
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CHNL# 563: [748L_P]
40.000
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BRANCH P
WED, JAN 22 2025 9:15
TIME (SECONDS)
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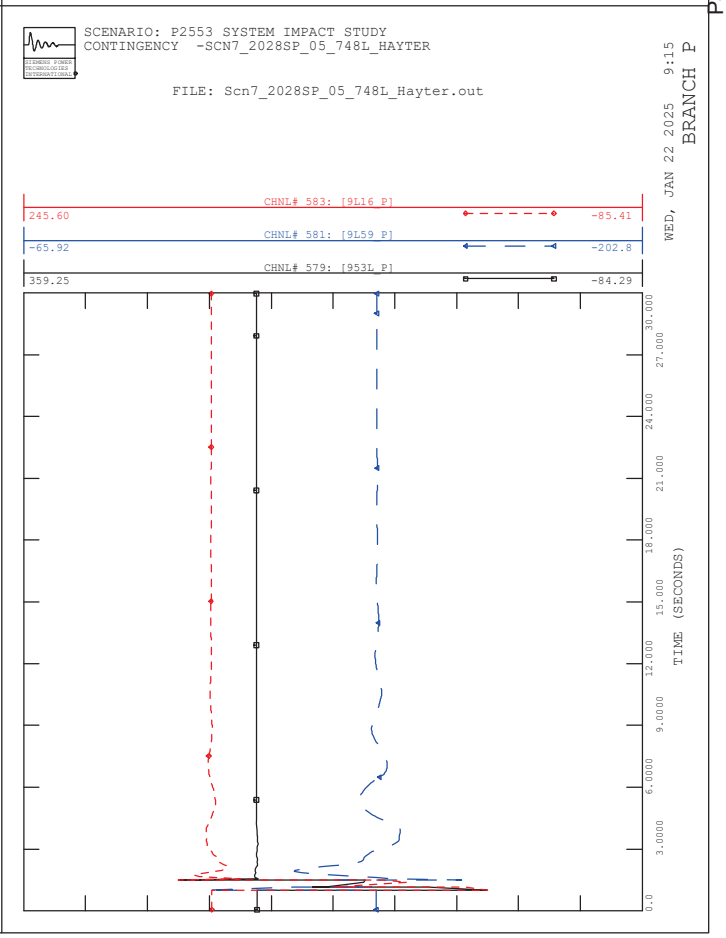
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CONTINGENCY -SCN7_2028SP_05_748L_HAYTER
FILE: Scn7_2028SP_05_748L_Hayter.out
CHNL# 583: [9L16_P]
245.60
-85.41
CHNL# 581: [9L59_P]
-65.92
-202.8
CHNL# 579: [953L_P]
359.25
-84.29
BRANCH P
WED, JAN 22 2025 9:15
TIME (SECONDS)
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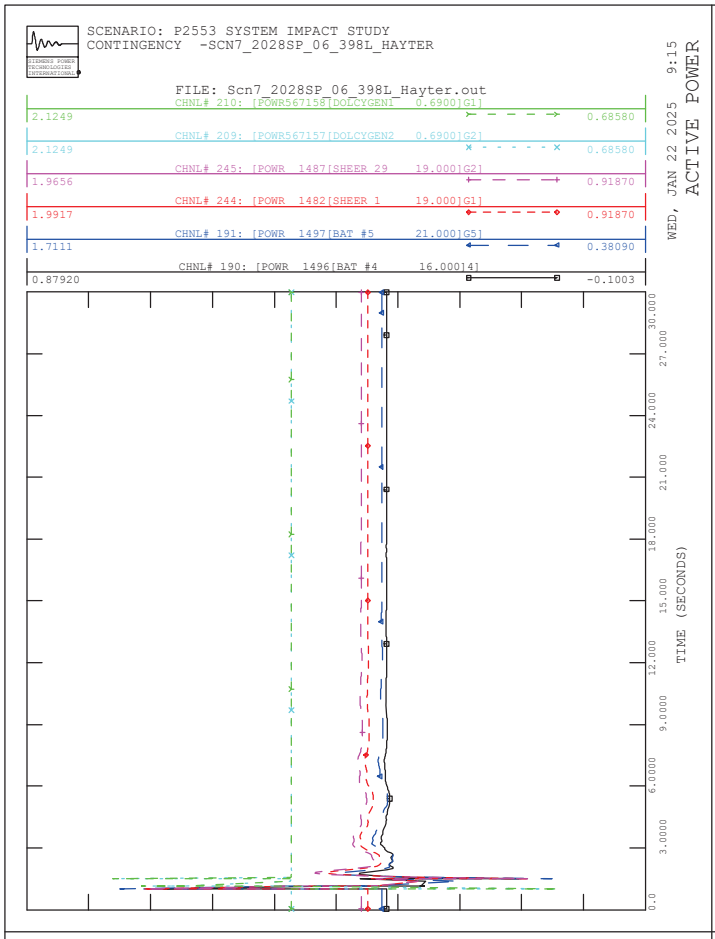
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CONTINGENCY -SCN7_2028SP_06_398L_HAYTER
FILE: Scn7_2028SP_06_398L_Hayter.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
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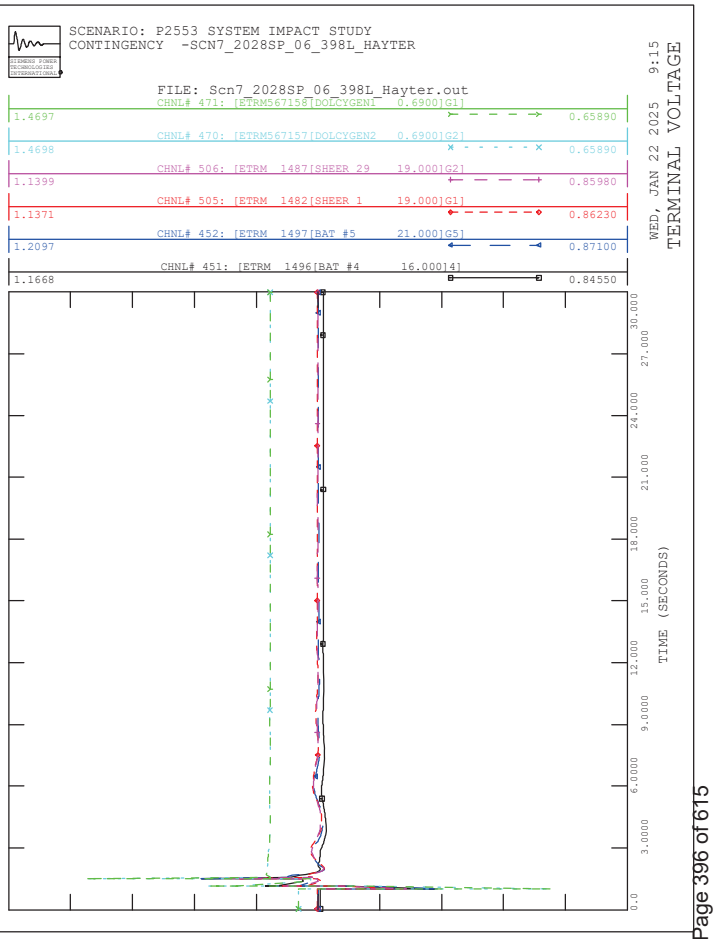
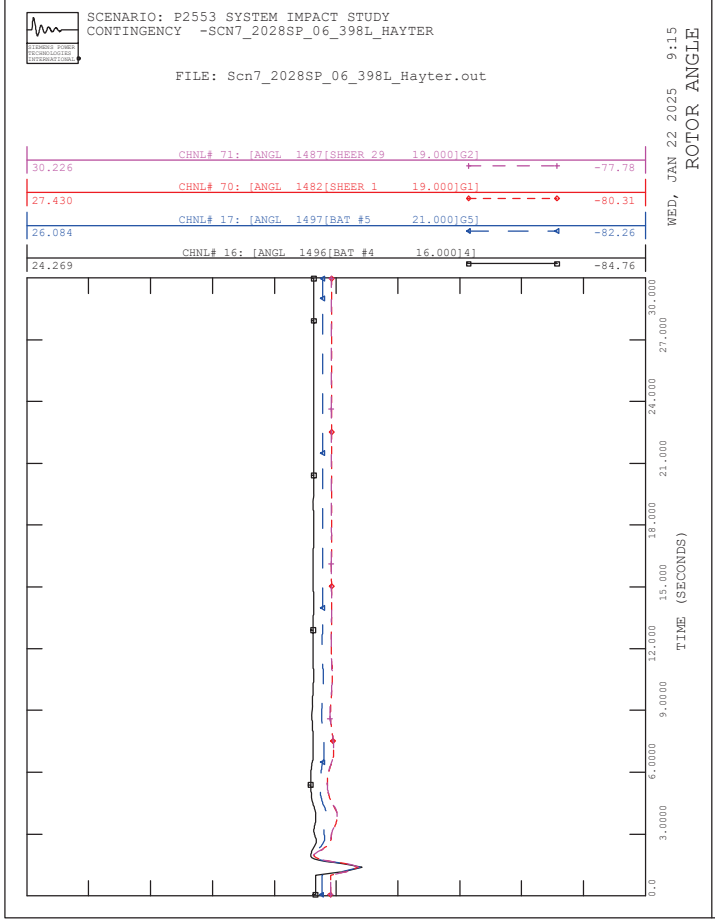
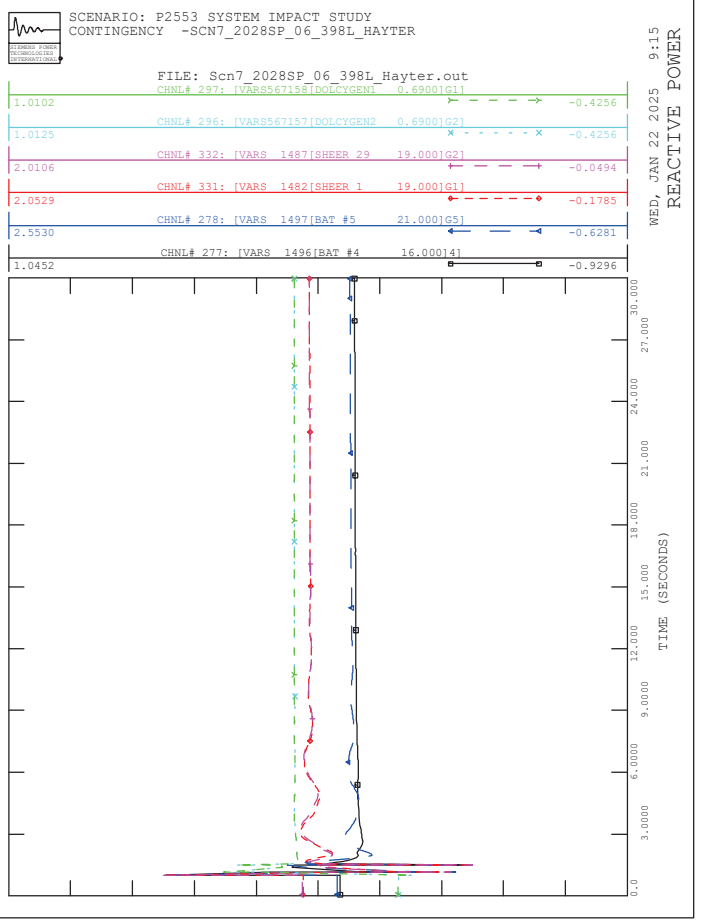
0.68580
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.1249
0.68580
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.9656
0.91870
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.9917
0.91870
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.7111
0.38090
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.87920
-0.1003
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_06_398L_HAYTER
FILE: Scn7_2028SP_06_398L_Hayter.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.4697
0.65890
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.4698
0.65890
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1399
0.85980
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1371
0.86230
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.2097
0.87100
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1668
0.84550
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_06_398L_HAYTER
FILE: Scn7_2028SP_06_398L_Hayter.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
30.226
-77.78
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
27.430
-80.31
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
26.084
-82.26
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
24.269
-84.76
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000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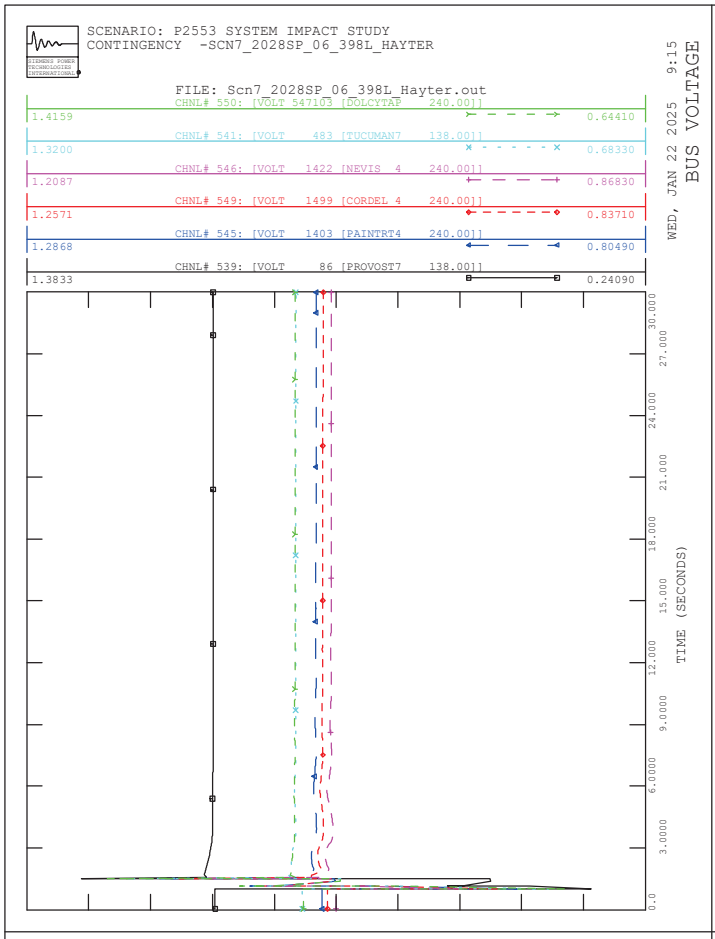
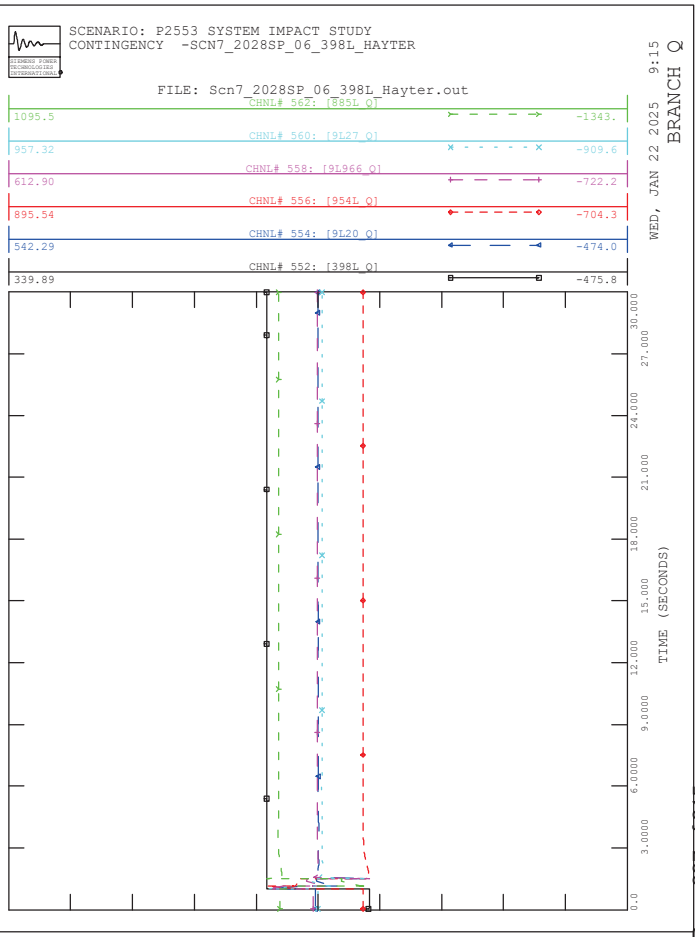
CONTINGENCY -SCN7_2028SP_06_398L_HAYTER
FILE: Scn7_2028SP_06_398L_Hayter.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.0102
-0.4256
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.0125
-0.4256
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
2.0106
-0.0494
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
2.0529
-0.1785
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
2.5530
-0.6281
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
1.0452
-0.9296
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_06_398L_HAYTER
FILE: Scn7_2028SP_06_398L_Hayter.out
CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.4159
0.64410
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.3200
0.68330
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.2087
0.86830
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2571
0.83710
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.2868
0.80490
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.3833
0.24090
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000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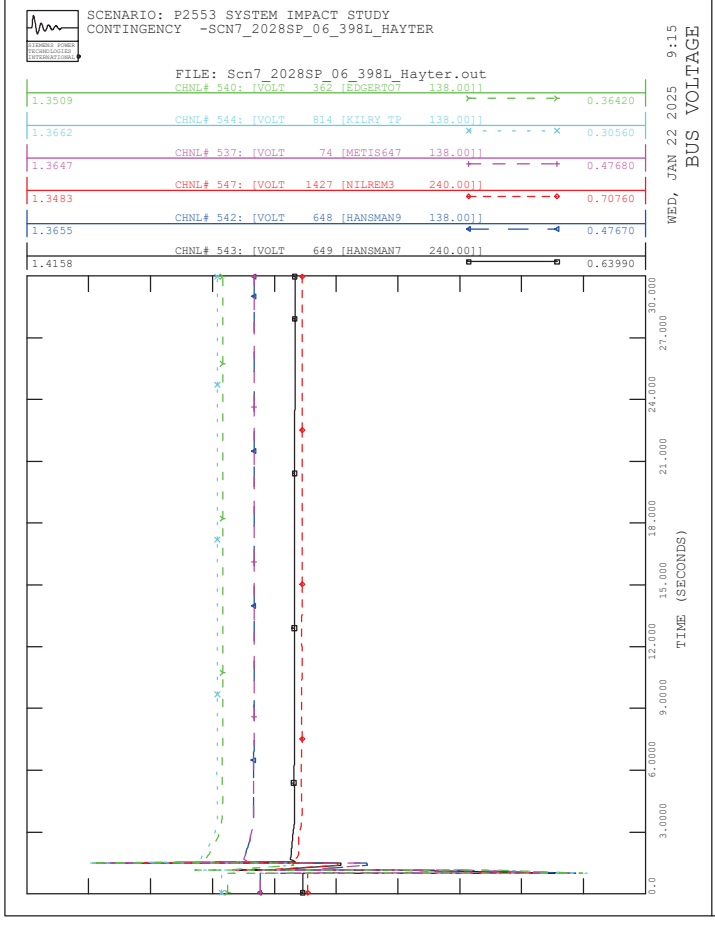
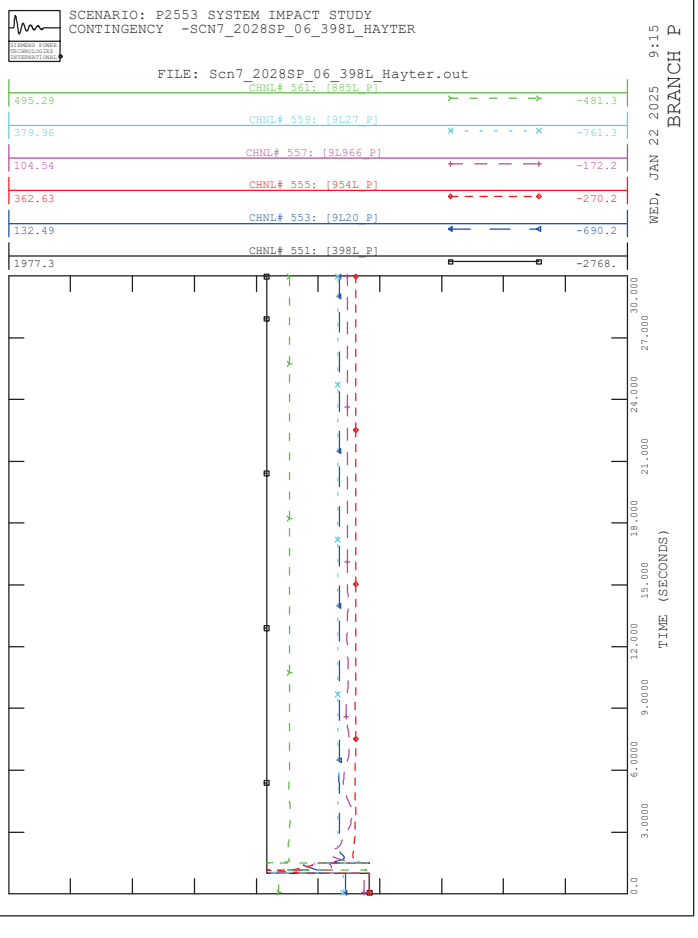
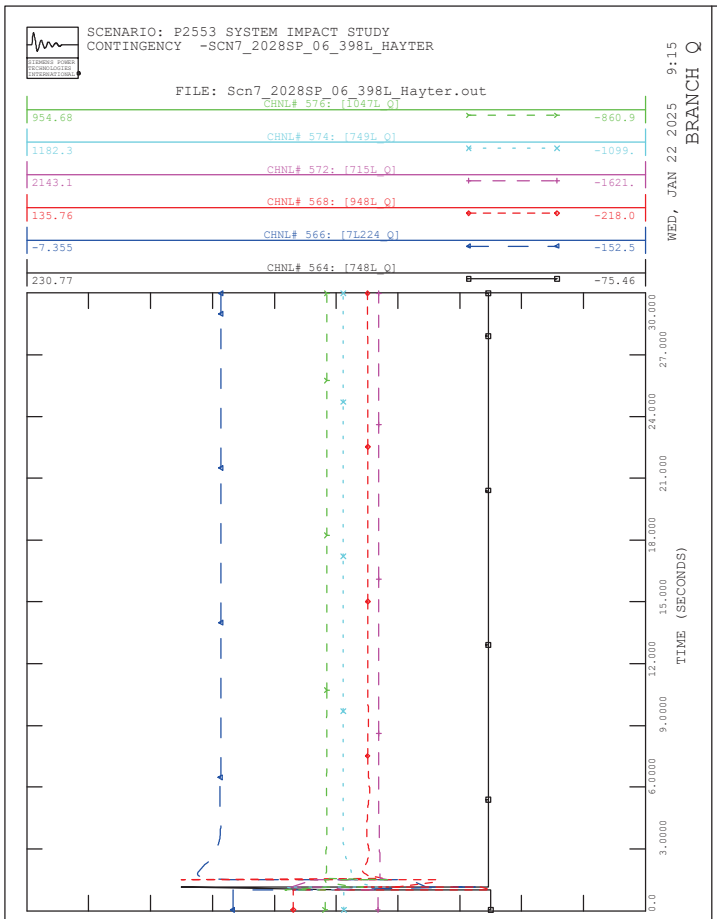
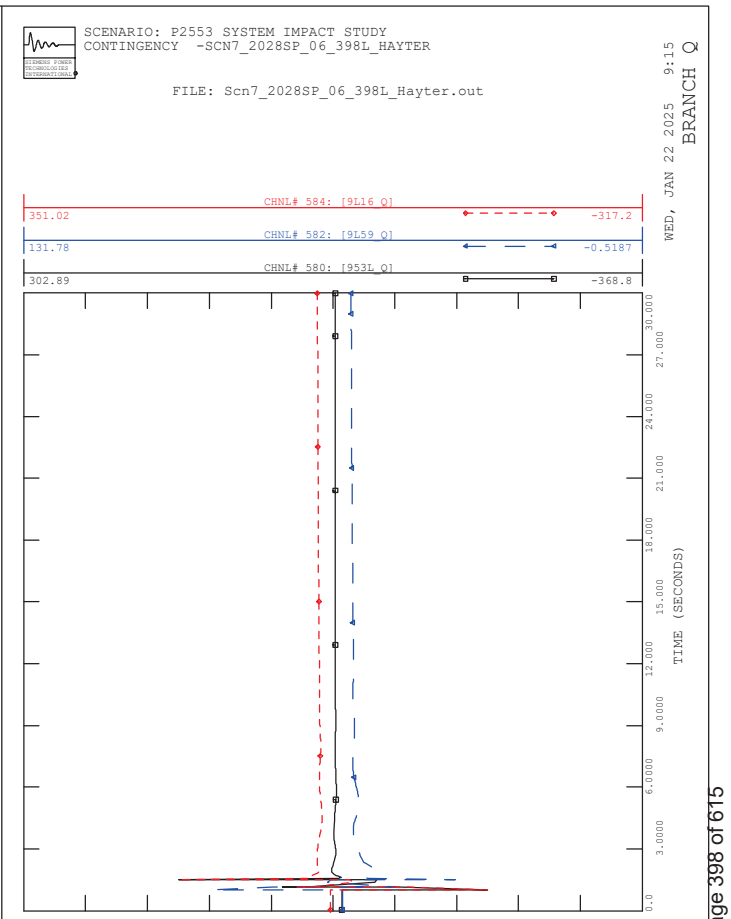
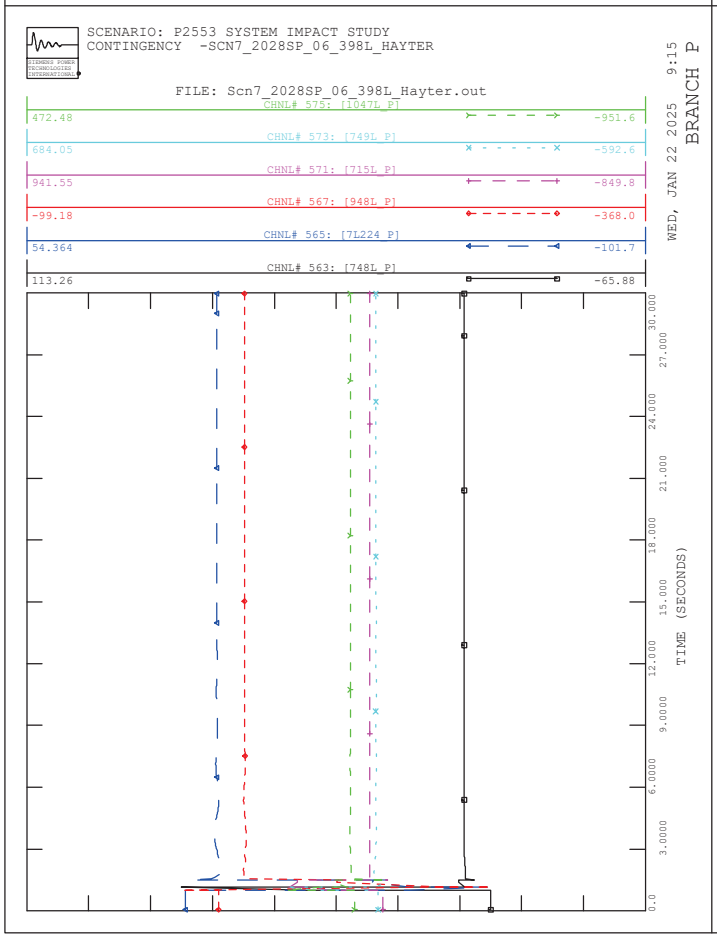
CONTINGENCY -SCN7_2028SP_06_398L_HAYTER
FILE: Scn7_2028SP_06_398L_Hayter.out
CHNL# 562: [885L Q]
1095.5
-1343.
CHNL# 560: [9L27 Q]
957.32
-909.6
CHNL# 558: [9L966 Q]
612.90
-722.2
CHNL# 556: [954L Q]
895.54
-704.3
CHNL# 554: [9L20 Q]
542.29
-474.0
CHNL# 552: [398L Q]
339.89
-475.8
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

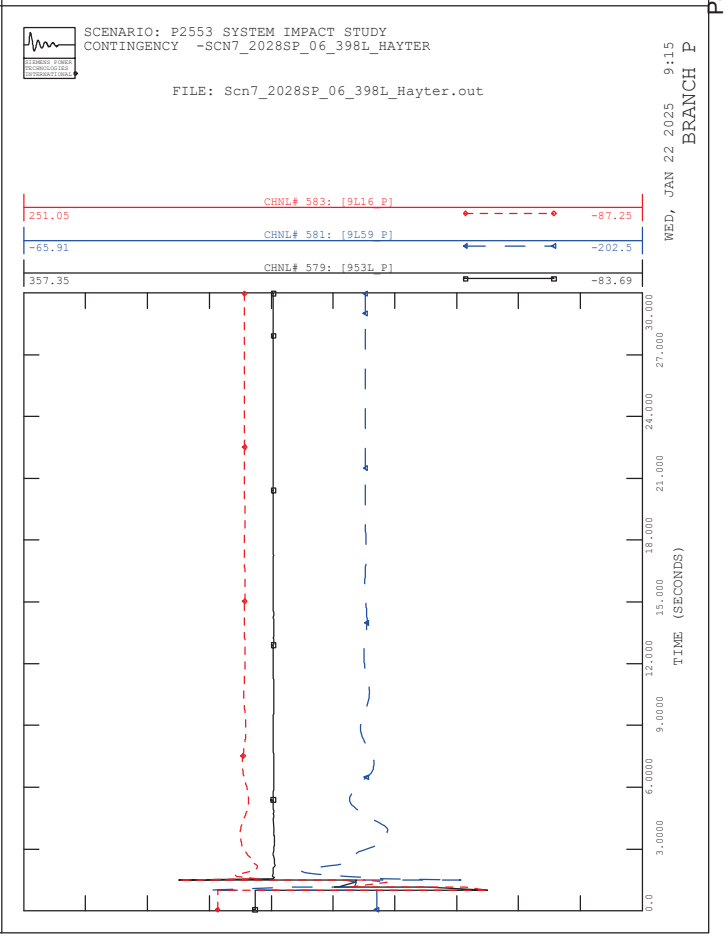

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_06_398L_HAYTER
FILE: Scn7_2028SP_06_398L_Hayter.out
CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.3509
0.36420
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.3662
0.30560
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.3647
0.47680
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.3483
0.70760
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.3655
0.47670
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.4158
0.63990
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_06_398L_HAYTER
FILE: Scn7_2028SP_06_398L_Hayter.out
CHNL# 561: [885L P]
495.29
-481.3
CHNL# 559: [9L27 P]
379.96
-761.3
CHNL# 557: [9L966 P]
104.54
-172.2
CHNL# 555: [954L P]
362.63
-270.2
CHNL# 553: [9L20 P]
132.49
-690.2
CHNL# 551: [398L P]
1977.3
-2768.
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_06_398L_HAYTER
FILE: Scn7_2028SP_06_398L_Hayter.out
CHNL# 576: [1047L_Q]
954.68
-860.9
CHNL# 574: [749L_Q]
1182.3
-1099.
CHNL# 572: [715L_Q]
2143.1
-1621.
CHNL# 568: [948L_Q]
135.76
-218.0
CHNL# 566: [7L224_Q]
-7.355
-152.5
CHNL# 564: [748L_Q]
230.77
-75.46
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_06_398L_HAYTER
FILE: Scn7_2028SP_06_398L_Hayter.out
CHNL# 584: [9L16_Q]
351.02
-317.2
CHNL# 582: [9L59_Q]
131.78
-0.5187
CHNL# 580: [953L_Q]
302.89
-368.8
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_06_398L_HAYTER
FILE: Scn7_2028SP_06_398L_Hayter.out
CHNL# 575: [1047L_P]
472.48
-951.6
CHNL# 573: [749L_P]
684.05
-592.6
CHNL# 571: [715L_P]
941.55
-849.8
CHNL# 567: [948L_P]
-99.18
-368.0
CHNL# 565: [7L224_P]
54.364
-101.7
CHNL# 563: [748L_P]
113.26
-65.88
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_06_398L_HAYTER
FILE: Scn7_2028SP_06_398L_Hayter.out
CHNL# 583: [9L16_P]
251.05
-87.25
CHNL# 581: [9L59_P]
-65.91
-202.5
CHNL# 579: [953L_P]
357.35
-83.69
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_07_398L_PROVOST

FILE: Scn7_2028SP_07_398L_Provost.out

CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.3661 0.49770
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.3791 0.49770
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.9691 0.97700
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.9970 0.98520
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.7741 0.39050
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.92810 -0.0949

WED, JAN 22 2025 9:15
ACTIVE POWER

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_07_398L_PROVOST

FILE: Scn7_2028SP_07_398L_Provost.out

CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.4074 0.57350
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.4074 0.57350
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1475 0.85220
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1433 0.85520
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1927 0.85320
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1595 0.83060

WED, JAN 22 2025 9:15
TERMINAL VOLTAGE

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_07_398L_PROVOST

FILE: Scn7_2028SP_07_398L_Provost.out

CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
30.593 -78.11
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
27.805 -80.61
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
26.507 -83.20
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
24.541 -85.93

WED, JAN 22 2025 9:15
ROTOR ANGLE

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_07_398L_PROVOST

FILE: Scn7_2028SP_07_398L_Provost.out

CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
0.97350 -0.4340
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
0.97550 -0.4340
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
2.2960 -0.5490
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
2.3604 -0.7142
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
3.0519 -1.282
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
1.2259 -0.9814

WED, JAN 22 2025 9:15
REACTIVE POWER

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_07_398L_PROVOST

FILE: Scn7_2028SP_07_398L_Provost.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 550: [VOLT 5471U3 [DOLCYTAP 240.00]] 1.3771 0.55900
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]] 1.2951 0.61780
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]] 1.2117 0.85010
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]] 1.2543 0.80710
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]] 1.2785 0.76520
CHNL# 539: [VOLT 86 [PROVOST7 138.00]] 1.3162 -0.0936

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_07_398L_PROVOST

FILE: Scn7_2028SP_07_398L_Provost.out

WED, JAN 22 2025 9:15

BRANCH Q

CHNL# 562: [885L Q] 1594.4 -1488.
CHNL# 560: [9L27 Q] 1024.2 -913.6
CHNL# 558: [9L966 Q] 684.54 -723.8
CHNL# 556: [954L Q] 966.98 -758.8
CHNL# 554: [9L20 Q] 595.18 -498.8
CHNL# 552: [398L Q] 746.16 -535.3

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_07_398L_PROVOST

FILE: Scn7_2028SP_07_398L_Provost.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]] 1.3168 0.33900
CHNL# 544: [VOLT 814 [KILRY TP 138.00]] 1.3305 0.28020
CHNL# 537: [VOLT 74 [METIS647 138.00]] 1.3038 0.35890
CHNL# 547: [VOLT 1427 [NILREM3 240.00]] 1.3301 0.64290
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]] 1.3041 0.35590
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]] 1.3773 0.55400

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_07_398L_PROVOST

FILE: Scn7_2028SP_07_398L_Provost.out

WED, JAN 22 2025 9:15

BRANCH P

CHNL# 561: [885L P] 880.14 -729.6
CHNL# 559: [9L27 P] 415.20 -749.6
CHNL# 557: [9L966 P] 129.03 -186.6
CHNL# 555: [954L P] 370.04 -275.5
CHNL# 553: [9L20 P] 151.97 -668.9
CHNL# 551: [398L P] 345.78 -260.6

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_07_398L_PROVOST

FILE: Scn7_2028SP_07_398L_Provost.out

WED, JAN 22 2025 9:15 BRANCH Q

CHNL# 576: [1047L Q] 1030.9 -925.2
CHNL# 574: [749L Q] 1460.1 -1115.
CHNL# 572: [715L Q] 2050.7 -1704.
CHNL# 568: [948L Q] 186.79 -255.3
CHNL# 566: [7L224 Q] -7.025 -146.8
CHNL# 564: [748L Q] 534.58 -176.7

TIME (SECONDS) 0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_07_398L_PROVOST

FILE: Scn7_2028SP_07_398L_Provost.out

WED, JAN 22 2025 9:15 BRANCH Q

CHNL# 584: [9L16 Q] 311.83 -358.4
CHNL# 582: [9L59 Q] 142.63 1.3859
CHNL# 580: [953L Q] 276.55 -392.7

TIME (SECONDS) 0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_07_398L_PROVOST

FILE: Scn7_2028SP_07_398L_Provost.out

WED, JAN 22 2025 9:15 BRANCH P

CHNL# 575: [1047L P] 519.98 -941.1
CHNL# 573: [749L P] 866.36 -713.4
CHNL# 571: [715L P] 1002.6 -871.2
CHNL# 567: [948L P] -49.44 -422.7
CHNL# 565: [7L224 P] 54.797 -106.9
CHNL# 563: [748L P] 236.98 -107.2

TIME (SECONDS) 0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

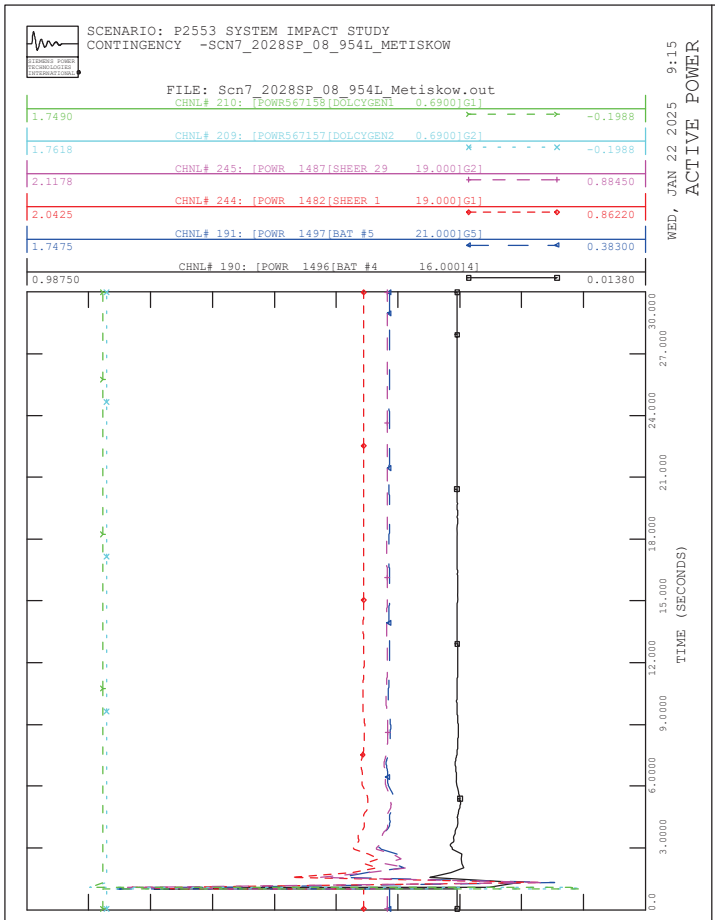
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_07_398L_PROVOST

FILE: Scn7_2028SP_07_398L_Provost.out

WED, JAN 22 2025 9:15 BRANCH P

CHNL# 583: [9L16 P] 233.09 -119.1
CHNL# 581: [9L59 P] -52.33 -195.6
CHNL# 579: [953L P] 331.50 -110.2

TIME (SECONDS) 0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_08_954L_METISKOW
FILE: Scn7_2028SP_08_954L_Metiskow.out
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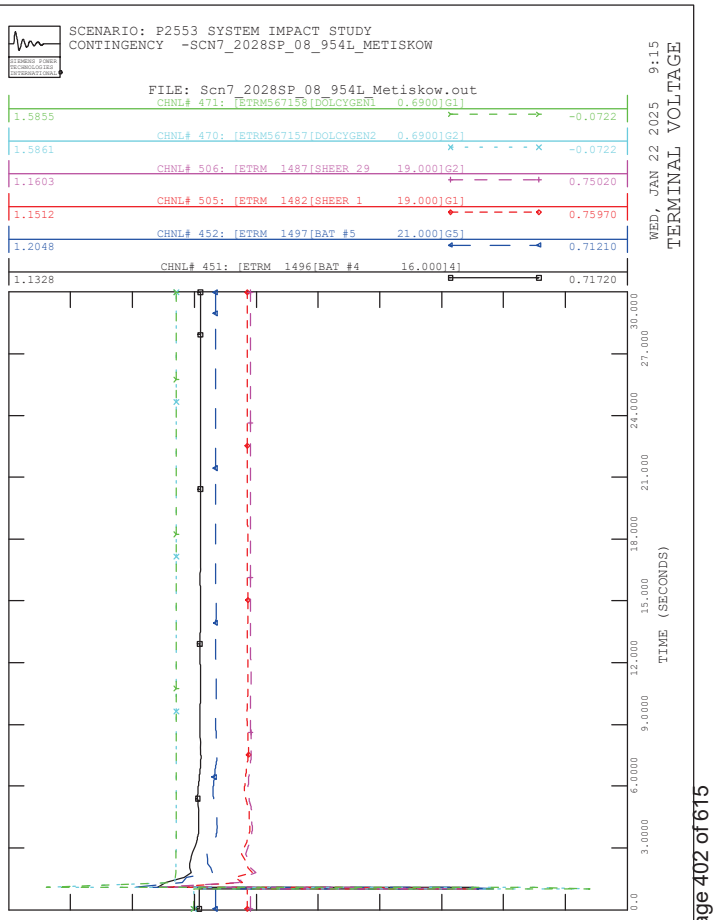
1.7490
-0.1988
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
1.7618
-0.1988
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
2.1178
0.88450
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
2.0425
0.86220
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.7475
0.38300
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.98750
0.01380
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_08_954L_METISKOW
FILE: Scn7_2028SP_08_954L_Metiskow.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
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-0.0722
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.5861
-0.0722
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1603
0.75020
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1512
0.75970
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.2048
0.71210
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1328
0.71720
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
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6.0000
9.0000
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18.000
21.000
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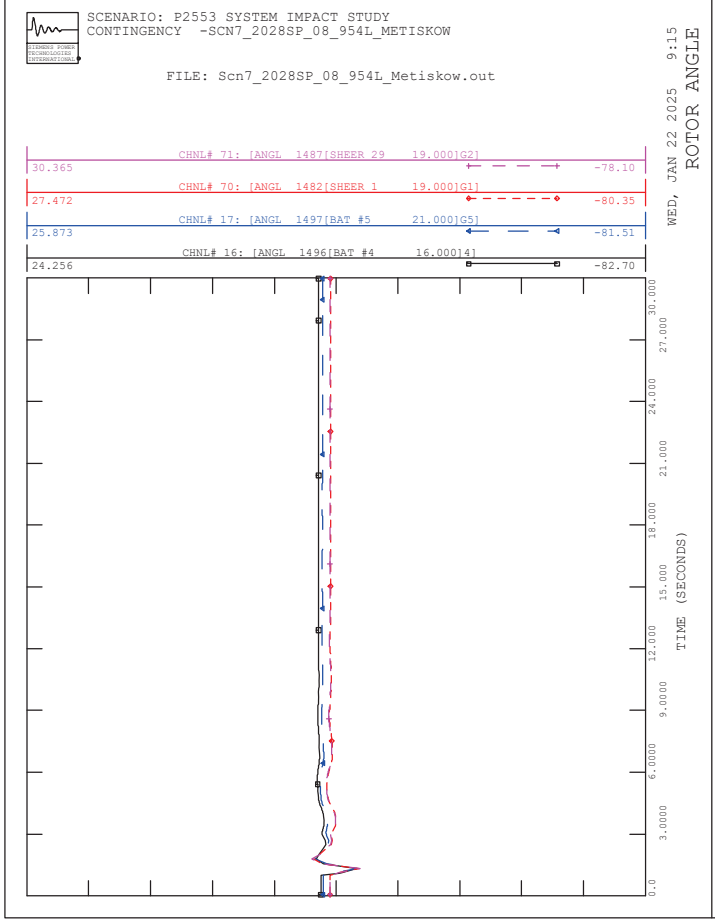
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_08_954L_METISKOW
FILE: Scn7_2028SP_08_954L_Metiskow.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
30.365
-78.10
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
27.472
-80.35
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
25.873
-81.51
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
24.256
-82.70
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
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18.000
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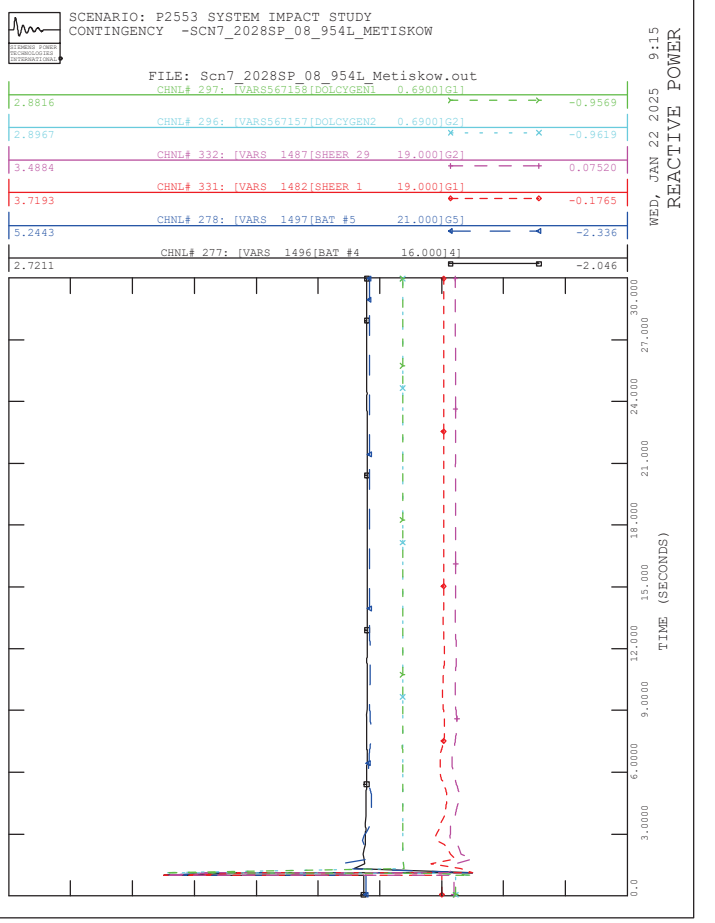
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CONTINGENCY -SCN7_2028SP_08_954L_METISKOW
FILE: Scn7_2028SP_08_954L_Metiskow.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
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-0.9569
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
2.8967
-0.9619
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
3.4884
0.07520
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
3.7193
-0.1765
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
5.2443
-2.336
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
2.7211
-2.046
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_08_954L_METISKOW

FILE: Scn7_2028SP_08_954L_Metiskow.out

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.4145 -0.0841

CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.3019 0.20890

CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.2289 0.68770

CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2784 0.56670

CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.3062 0.45300

CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.3072 -0.0093

WED, JAN 22 2025 9:15 BUS VOLTAGE

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_08_954L_METISKOW

FILE: Scn7_2028SP_08_954L_Metiskow.out

CHNL# 562: [885L Q]
1170.5 -973.6

CHNL# 560: [9L27 Q]
2061.5 -1717.

CHNL# 558: [9L966 Q]
1599.0 -1524.

CHNL# 556: [954L Q]
534.31 -748.0

CHNL# 554: [9L20 Q]
1021.5 -842.3

CHNL# 552: [398L Q]
351.89 -475.1

WED, JAN 22 2025 9:15 BRANCH Q

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_08_954L_METISKOW

FILE: Scn7_2028SP_08_954L_Metiskow.out

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.2139 0.07380

CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.2114 0.00860

CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.2900 -0.0139

CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.3363 0.19420

CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.2927 -0.0143

CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.4102 -0.0953

WED, JAN 22 2025 9:15 BUS VOLTAGE

TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_08_954L_METISKOW

FILE: Scn7_2028SP_08_954L_Metiskow.out

CHNL# 561: [885L P]
415.29 -294.5

CHNL# 559: [9L27 P]
822.07 -995.9

CHNL# 557: [9L966 P]
241.72 -265.9

CHNL# 555: [954L P]
164.62 -230.5

CHNL# 553: [9L20 P]
526.40 -928.9

CHNL# 551: [398L P]
110.95 -155.7

WED, JAN 22 2025 9:15 BRANCH P

TIME (SECONDS)
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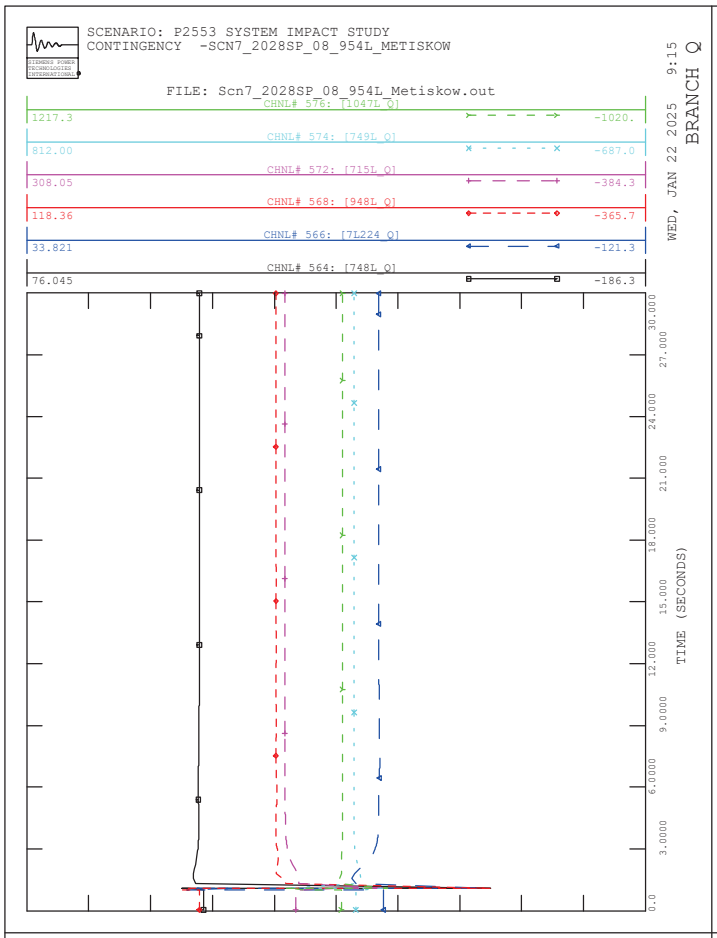
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CONTINGENCY -SCN7_2028SP_08_954L_METISKOW
FILE: Scn7_2028SP_08_954L_Metiskow.out
CHNL# 576: [1047L Q]
1217.3
-1020.
CHNL# 574: [749L Q]
812.00
-687.0
CHNL# 572: [715L Q]
308.05
-384.3
CHNL# 568: [948L Q]
118.36
-365.7
CHNL# 566: [7L224 Q]
33.821
-121.3
CHNL# 564: [748L Q]
76.045
-186.3
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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6.0000
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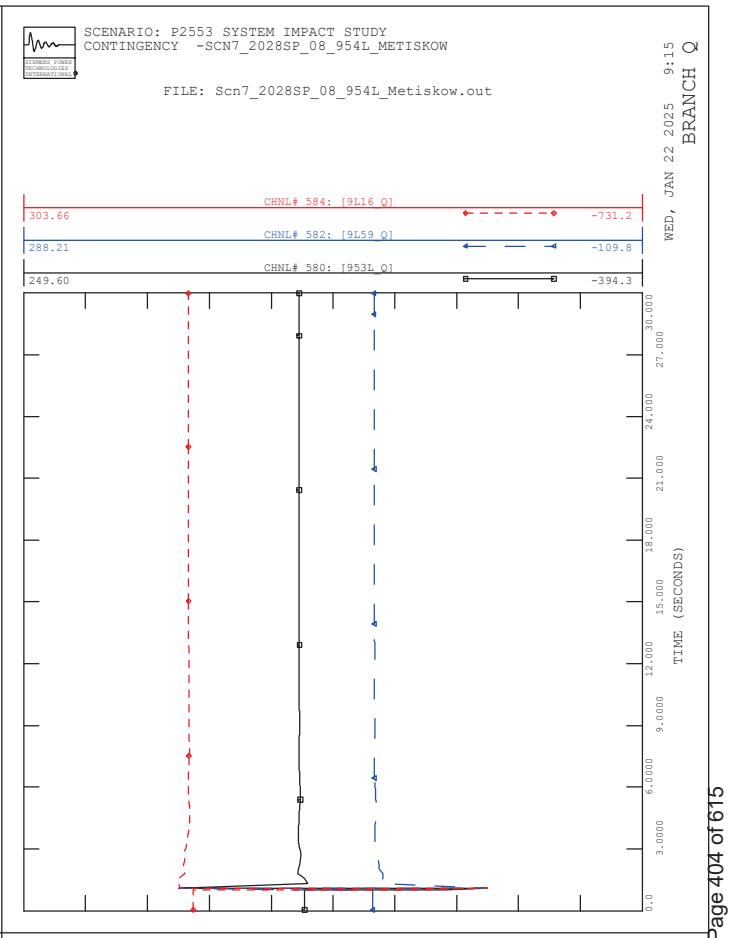
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_08_954L_METISKOW
FILE: Scn7_2028SP_08_954L_Metiskow.out
CHNL# 584: [9L16 Q]
303.66
-731.2
CHNL# 582: [9L59 Q]
288.21
-109.8
CHNL# 580: [953L Q]
249.60
-394.3
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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12.000
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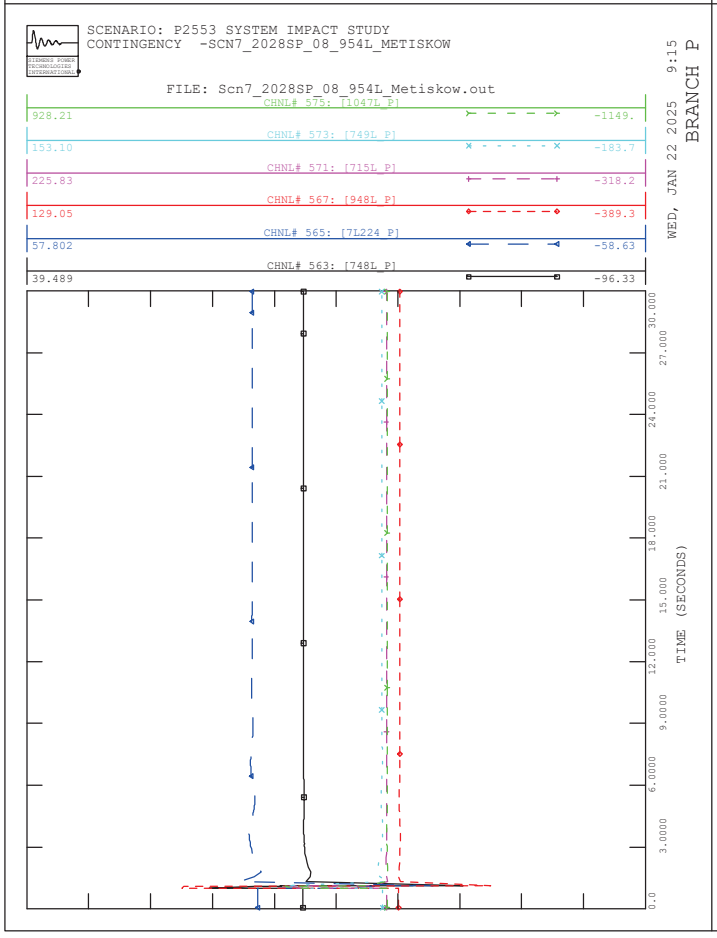
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_08_954L_METISKOW
FILE: Scn7_2028SP_08_954L_Metiskow.out
CHNL# 575: [1047L P]
928.21
-1149.
CHNL# 573: [749L P]
153.10
-183.7
CHNL# 571: [715L P]
225.83
-318.2
CHNL# 567: [948L P]
129.05
-389.3
CHNL# 565: [7L224 P]
57.802
-58.63
CHNL# 563: [748L P]
39.489
-96.33
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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3.0000
6.0000
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12.000
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18.000
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24.000
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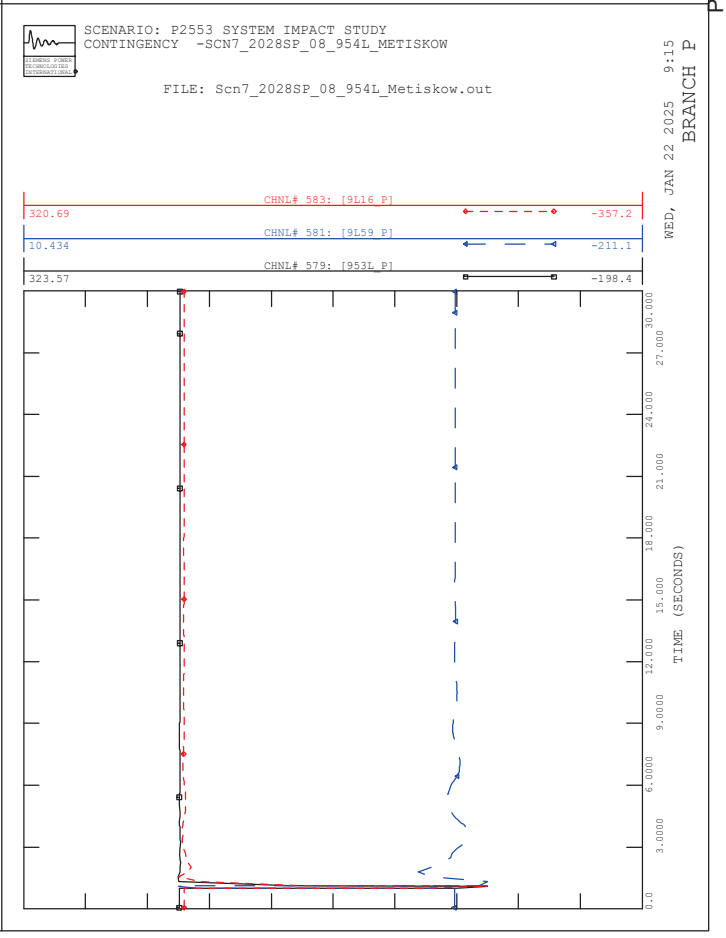
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_08_954L_METISKOW
FILE: Scn7_2028SP_08_954L_Metiskow.out
CHNL# 583: [9L16 P]
320.69
-357.2
CHNL# 581: [9L59 P]
10.434
-211.1
CHNL# 579: [953L P]
323.57
-198.4
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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6.0000
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12.000
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18.000
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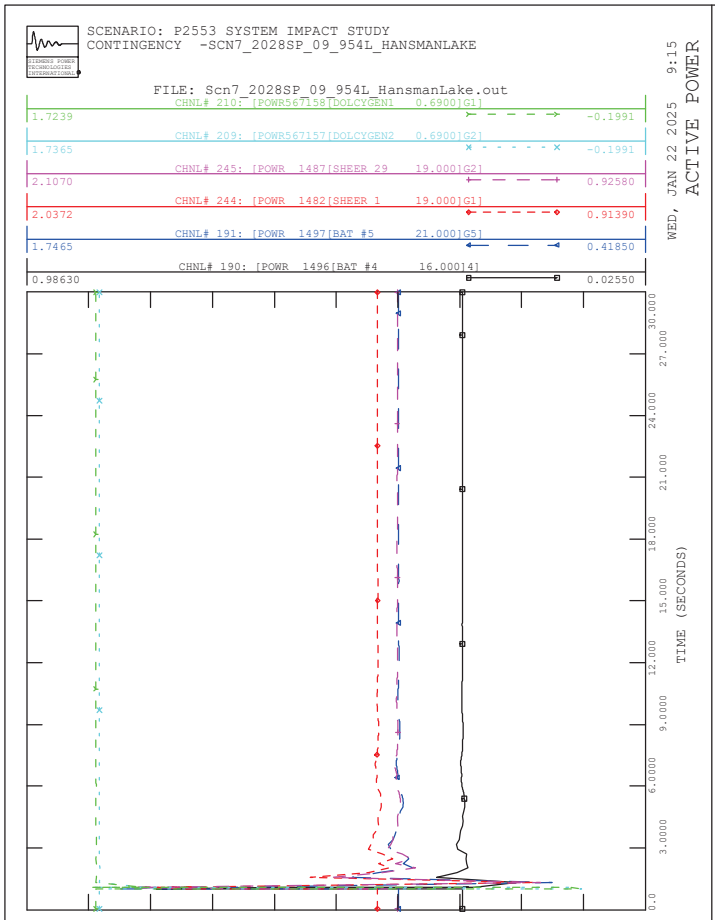
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_09_954L_HANSMANLAKE
FILE: Scn7_2028SP_09_954L_HansmanLake.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
1.7239
-0.1991
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
1.7365
-0.1991
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
2.1070
0.92580
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
2.0372
0.91390
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.7465
0.41850
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.98630
0.02550
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
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3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
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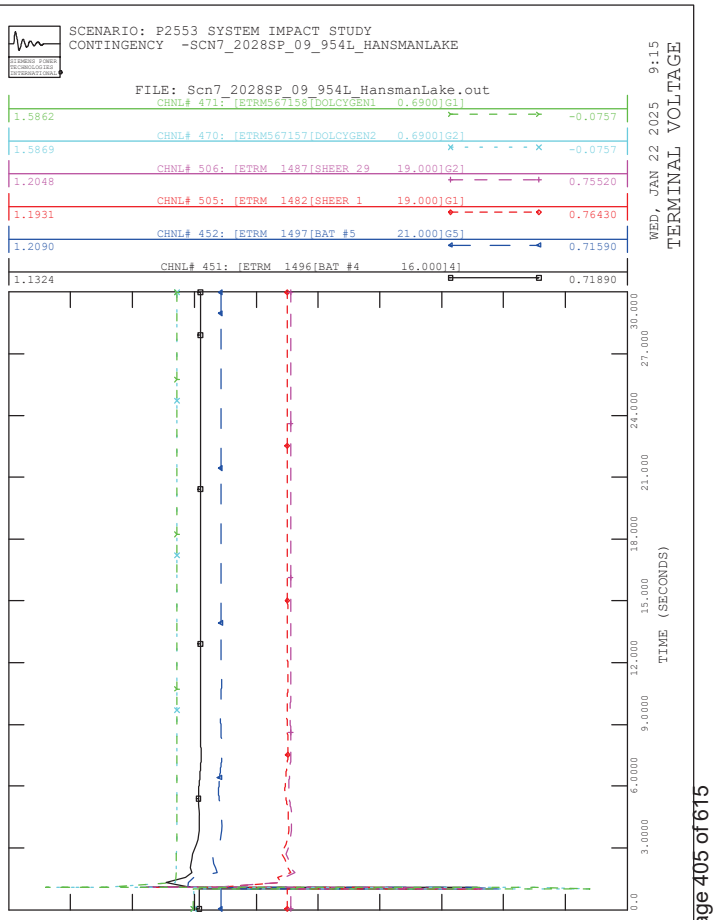
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_09_954L_HANSMANLAKE
FILE: Scn7_2028SP_09_954L_HansmanLake.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.5862
-0.0757
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.5869
-0.0757
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.2048
0.75520
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1931
0.76430
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.2090
0.71590
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1324
0.71890
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
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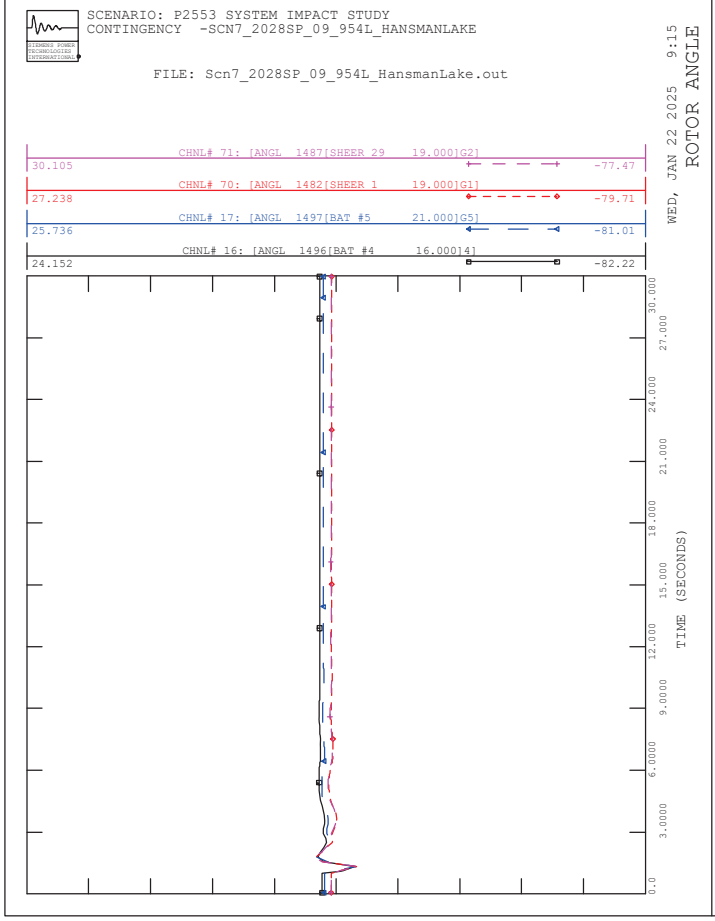
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_09_954L_HANSMANLAKE
FILE: Scn7_2028SP_09_954L_HansmanLake.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
30.105
-77.47
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
27.238
-79.71
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
25.736
-81.01
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
24.152
-82.22
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
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6.0000
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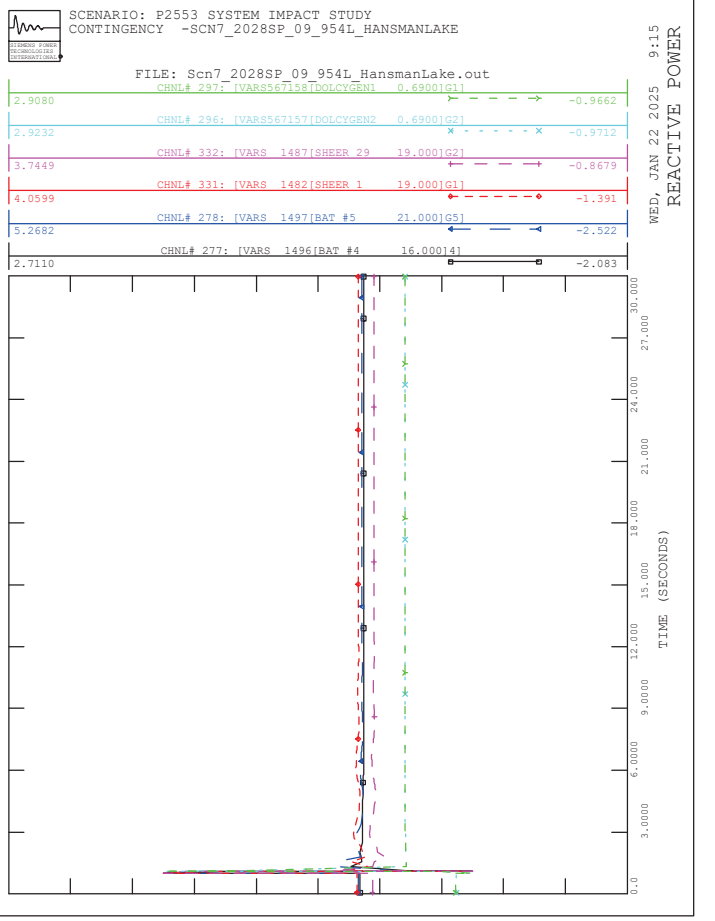
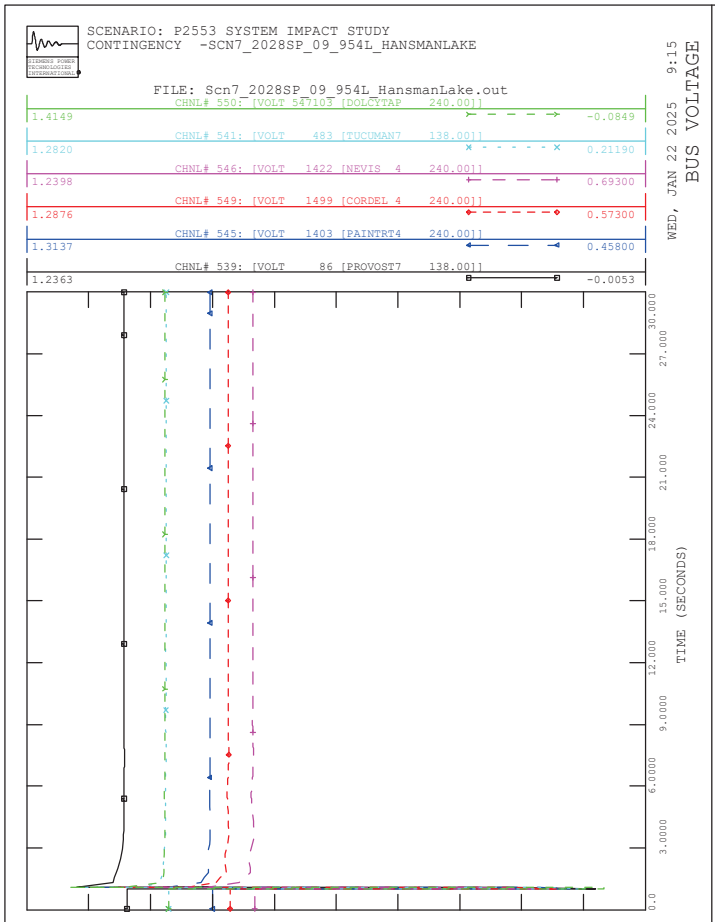
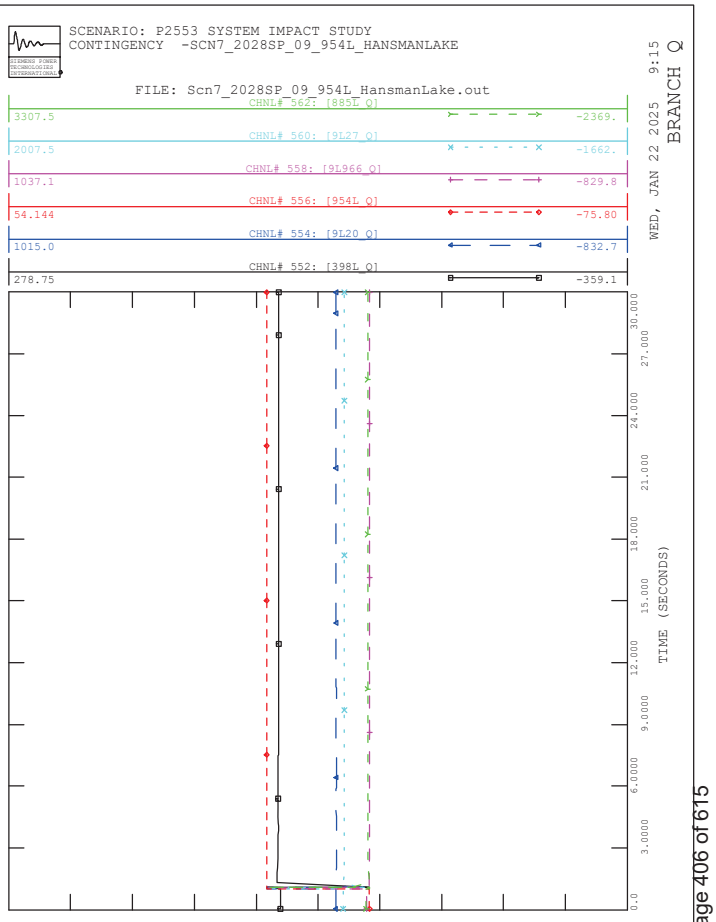
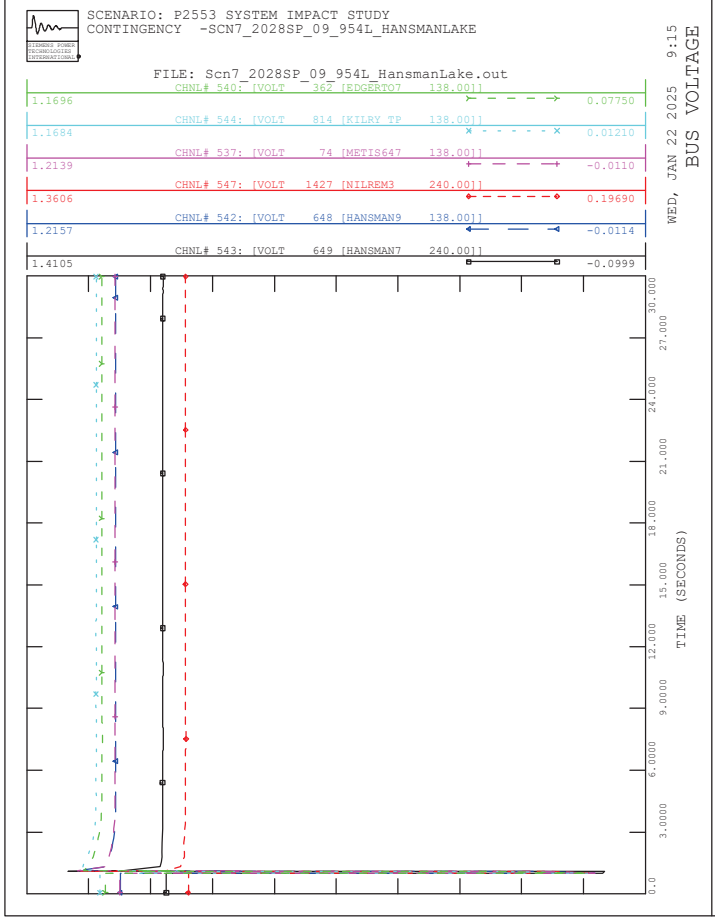
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_09_954L_HANSMANLAKE
FILE: Scn7_2028SP_09_954L_HansmanLake.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
2.9080
-0.9662
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
2.9232
-0.9712
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
3.7449
-0.8679
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
4.0599
-1.391
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
5.2682
-2.522
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
2.7110
-2.083
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_09_954L_HANSMANLAKE
FILE: Scn7_2028SP_09_954L_HansmanLake.out
CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.4149
-0.0849
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.2820
0.21190
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.2398
0.69300
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2876
0.57300
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.3137
0.45800
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.2363
-0.0053
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_09_954L_HANSMANLAKE
FILE: Scn7_2028SP_09_954L_HansmanLake.out
CHNL# 562: [885L Q]
3307.5
-2369.
CHNL# 560: [9L27 Q]
2007.5
-1662.
CHNL# 558: [9L966 Q]
1037.1
-829.8
CHNL# 556: [954L Q]
54.144
-75.80
CHNL# 554: [9L20 Q]
1015.0
-832.7
CHNL# 552: [398L Q]
278.75
-359.1
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_09_954L_HANSMANLAKE
FILE: Scn7_2028SP_09_954L_HansmanLake.out
CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.1696
0.07750
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.1684
0.01210
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.2139
-0.0110
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.3606
0.19690
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.2157
-0.0114
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.4105
-0.0999
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
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27.000
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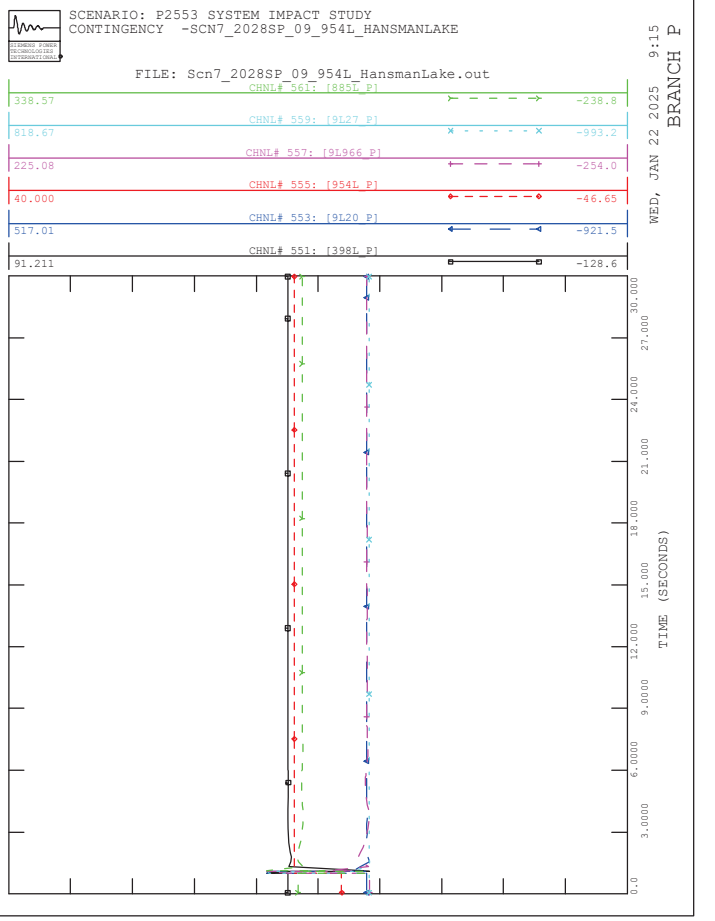
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_09_954L_HANSMANLAKE
FILE: Scn7_2028SP_09_954L_HansmanLake.out
CHNL# 561: [885L P]
338.57
-238.8
CHNL# 559: [9L27 P]
818.67
-993.2
CHNL# 557: [9L966 P]
225.08
-254.0
CHNL# 555: [954L P]
40.000
-46.65
CHNL# 553: [9L20 P]
517.01
-921.5
CHNL# 551: [398L P]
91.211
-128.6
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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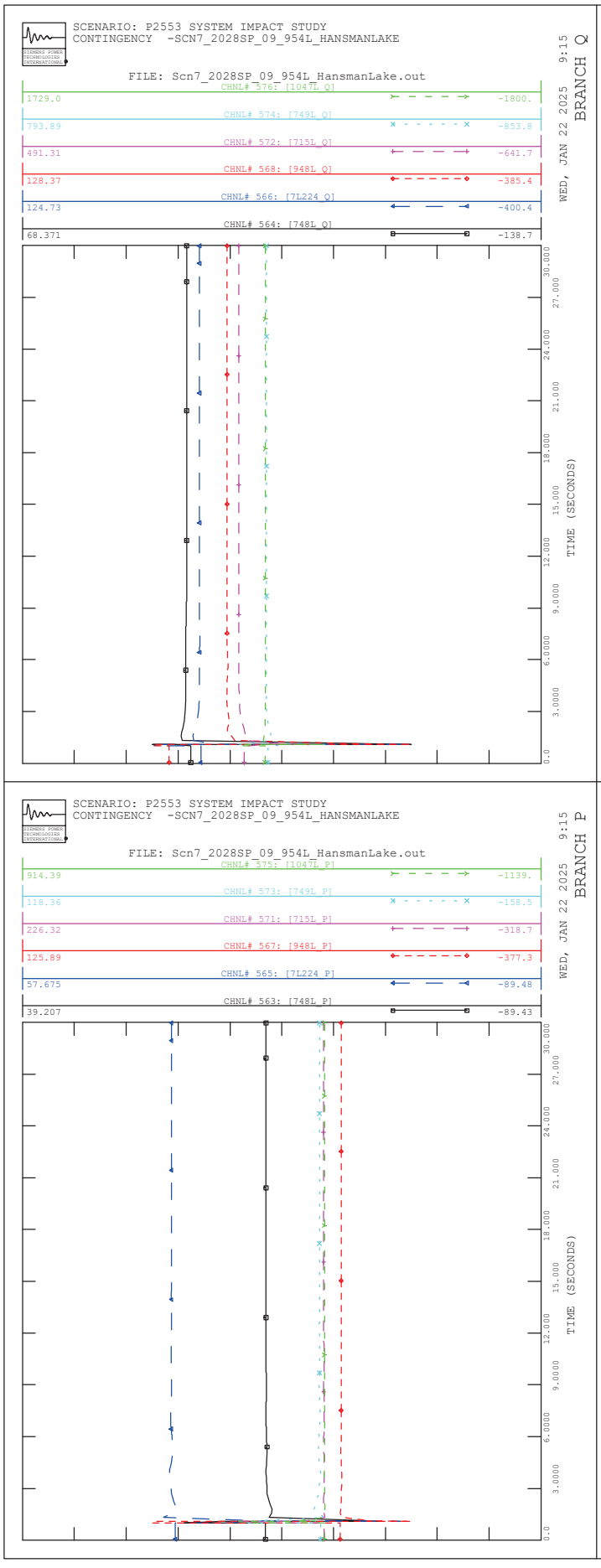
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_09_954L_HANSMANLAKE
FILE: Scn7_2028SP_09_954L_HansmanLake.out
CHNL# 576: [1047L Q]
1729.0
-1800.
CHNL# 574: [749L Q]
793.89
-853.8
CHNL# 572: [715L Q]
491.31
-641.7
CHNL# 568: [948L Q]
128.37
-385.4
CHNL# 566: [7L224 Q]
124.73
-400.4
CHNL# 564: [748L Q]
68.371
-138.7
WED, JAN 22 2025 9:15
BRANCH Q
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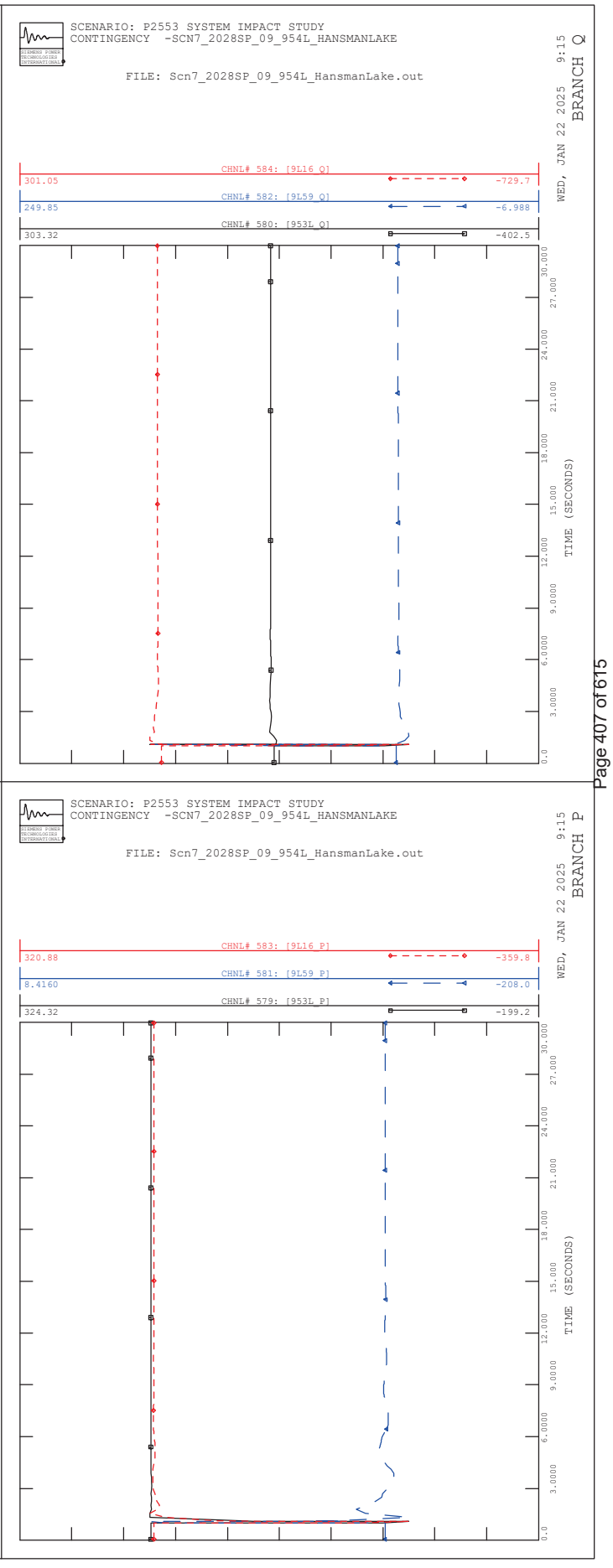
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CONTINGENCY -SCN7_2028SP_09_954L_HANSMANLAKE
FILE: Scn7_2028SP_09_954L_HansmanLake.out
CHNL# 584: [9L16 Q]
301.05
-729.7
CHNL# 582: [9L59 Q]
249.85
-6.988
CHNL# 580: [953L Q]
303.32
-402.5
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_09_954L_HANSMANLAKE
FILE: Scn7_2028SP_09_954L_HansmanLake.out
CHNL# 575: [1047L P]
914.39
-1139.
CHNL# 573: [749L P]
118.36
-158.5
CHNL# 571: [715L P]
226.32
-318.7
CHNL# 567: [948L P]
125.89
-377.3
CHNL# 565: [7L224 P]
57.675
-89.48
CHNL# 563: [748L P]
39.207
-89.43
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_09_954L_HANSMANLAKE
FILE: Scn7_2028SP_09_954L_HansmanLake.out
CHNL# 583: [9L16 P]
320.88
-359.8
CHNL# 581: [9L59 P]
8.4160
-208.0
CHNL# 579: [953L P]
324.32
-199.2
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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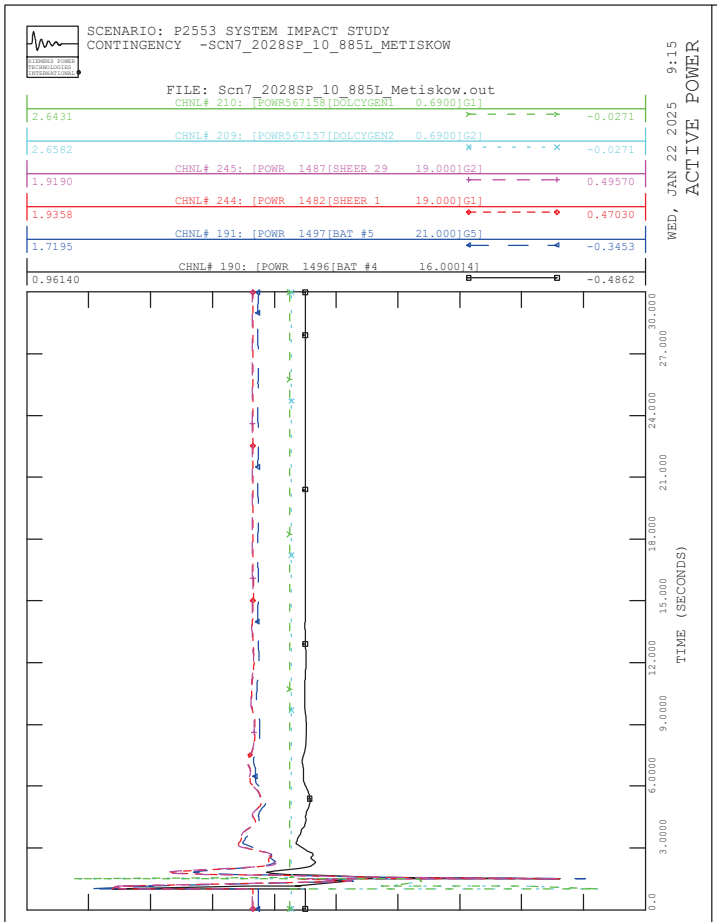
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_10_885L_METISKOW
FILE: Scn7_2028SP_10_885L_Metiskow.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1] 2.6431 -0.0271
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2] 2.6582 -0.0271
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2] 1.9190 0.49570
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1] 1.9358 0.47030
CHNL# 191: [POWR 1497[BAT #5 21.000]G5] 1.7195 -0.3453
CHNL# 190: [POWR 1496[BAT #4 16.000]4] 0.96140 -0.4862
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
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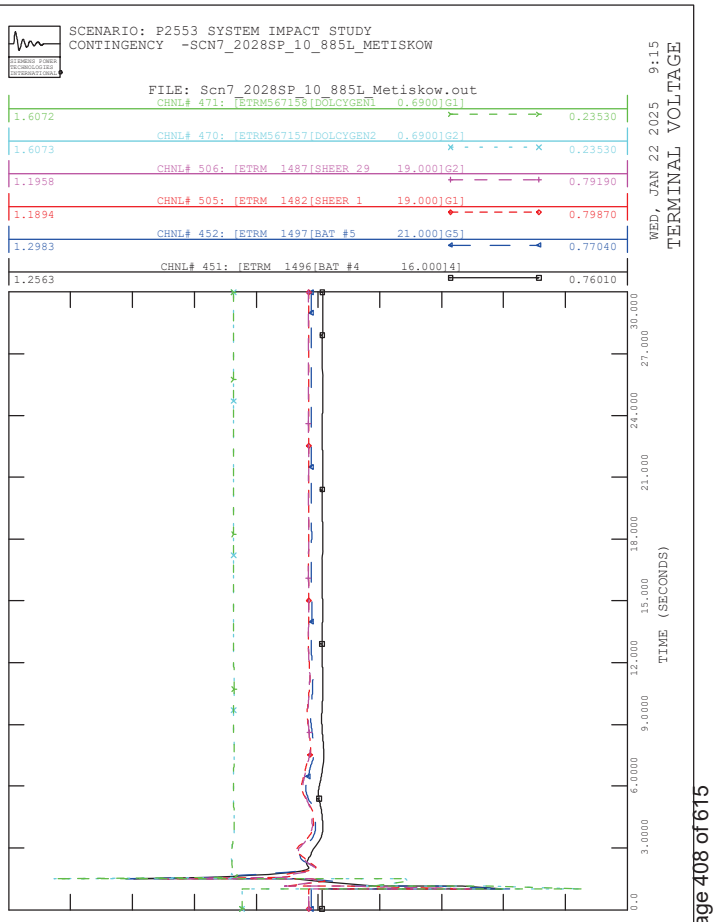
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_10_885L_METISKOW
FILE: Scn7_2028SP_10_885L_Metiskow.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1] 1.6072 0.23530
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2] 1.6073 0.23530
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2] 1.1958 0.79190
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1] 1.1894 0.79870
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5] 1.2983 0.77040
CHNL# 451: [ETRM 1496[BAT #4 16.000]4] 1.2563 0.76010
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
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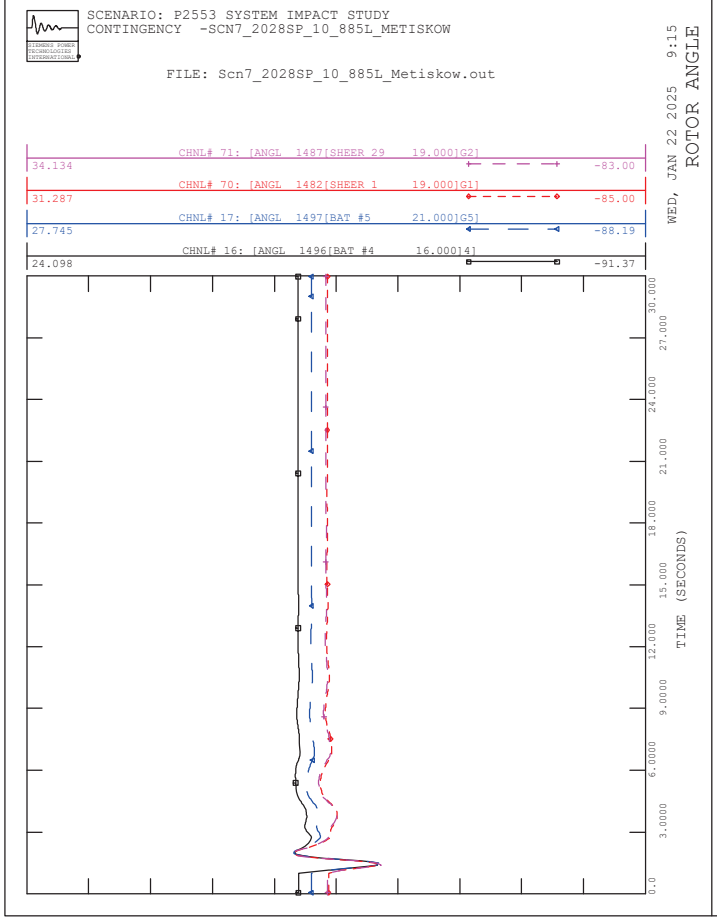
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_10_885L_METISKOW
FILE: Scn7_2028SP_10_885L_Metiskow.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2] 34.134 -83.00
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1] 31.287 -85.00
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5] 27.745 -88.19
CHNL# 16: [ANGL 1496[BAT #4 16.000]4] 24.098 -91.37
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ROTOR ANGLE
TIME (SECONDS)
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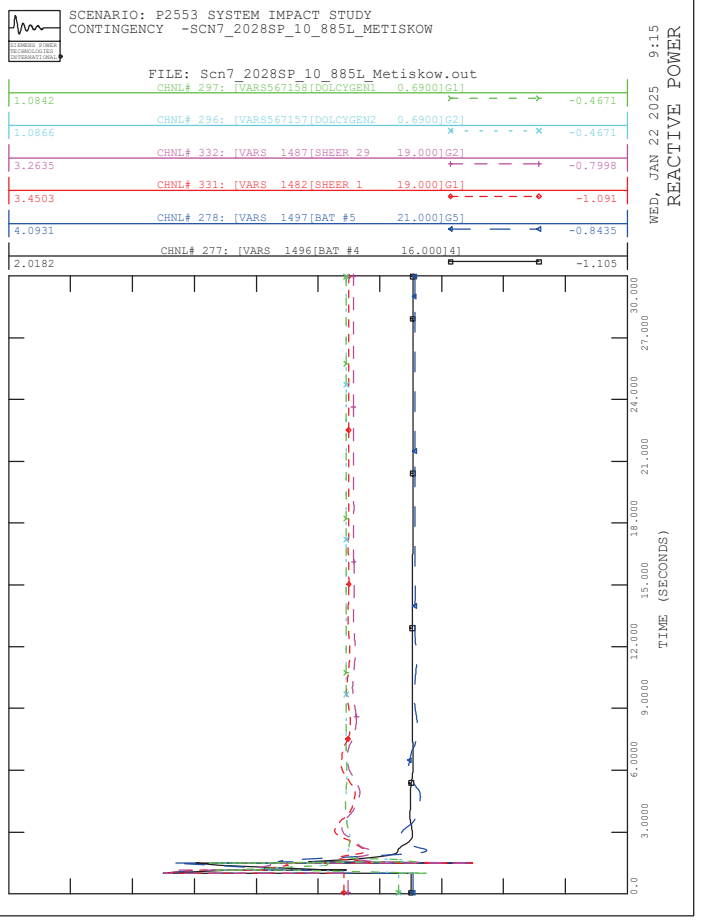
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_10_885L_METISKOW
FILE: Scn7_2028SP_10_885L_Metiskow.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1] 1.0842 -0.4671
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2] 1.0866 -0.4671
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2] 3.2635 -0.7998
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1] 3.4503 -1.091
CHNL# 278: [VARS 1497[BAT #5 21.000]G5] 4.0931 -0.8435
CHNL# 277: [VARS 1496[BAT #4 16.000]4] 2.0182 -1.105
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REACTIVE POWER
TIME (SECONDS)
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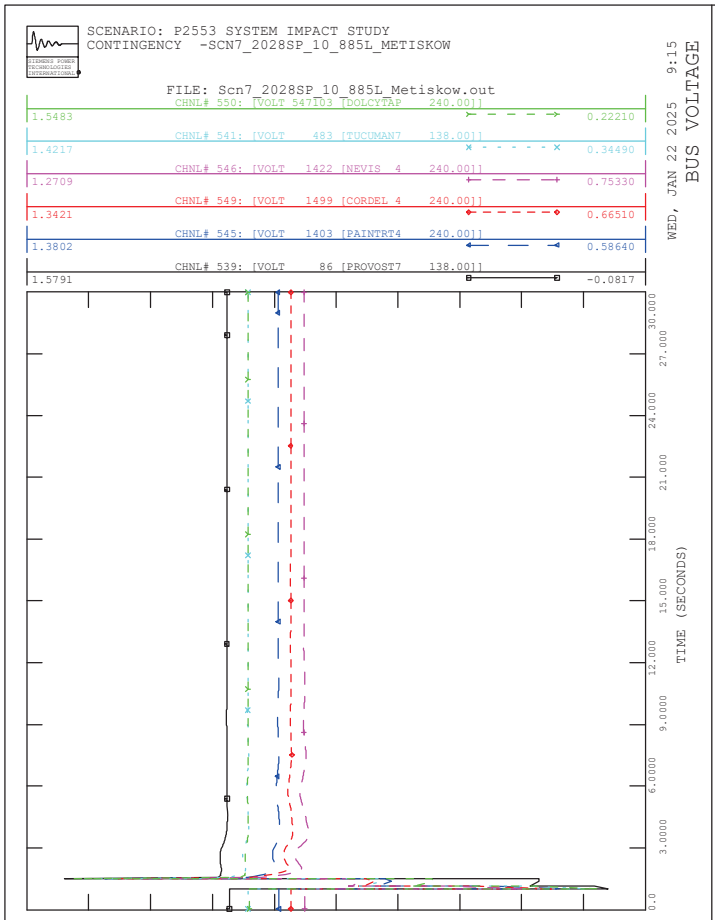
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_10_885L_METISKOW
FILE: Scn7_2028SP_10_885L_Metiskow.out
CHNL# 550: [VOLT 54703 [DOLCYTAP 240.00]]
1.5483
0.22210
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.4217
0.34490
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.2709
0.75330
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.3421
0.66510
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.3802
0.58640
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.5791
-0.0817
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
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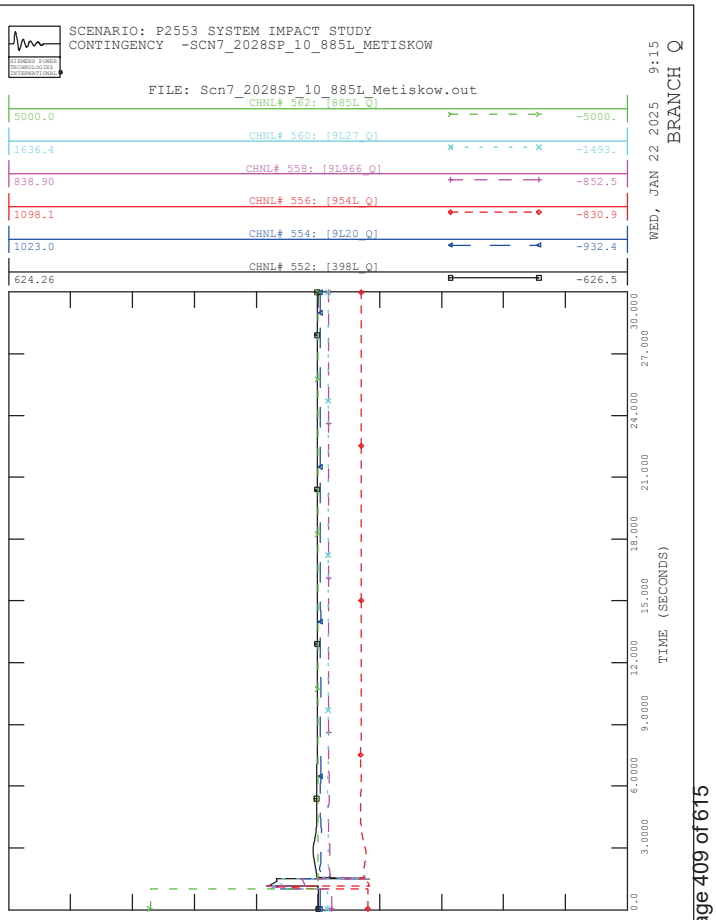
TIME (SECONDS)
WED, JAN 22 2025 9:15
BUS VOLTAGE


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_10_885L_METISKOW
FILE: Scn7_2028SP_10_885L_Metiskow.out
CHNL# 562: [885L Q]
5000.0
-5000.
CHNL# 560: [9L27 Q]
1636.4
-1493.
CHNL# 558: [9L966 Q]
838.90
-852.5
CHNL# 556: [954L Q]
1098.1
-830.9
CHNL# 554: [9L20 Q]
1023.0
-932.4
CHNL# 552: [398L Q]
624.26
-626.5
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
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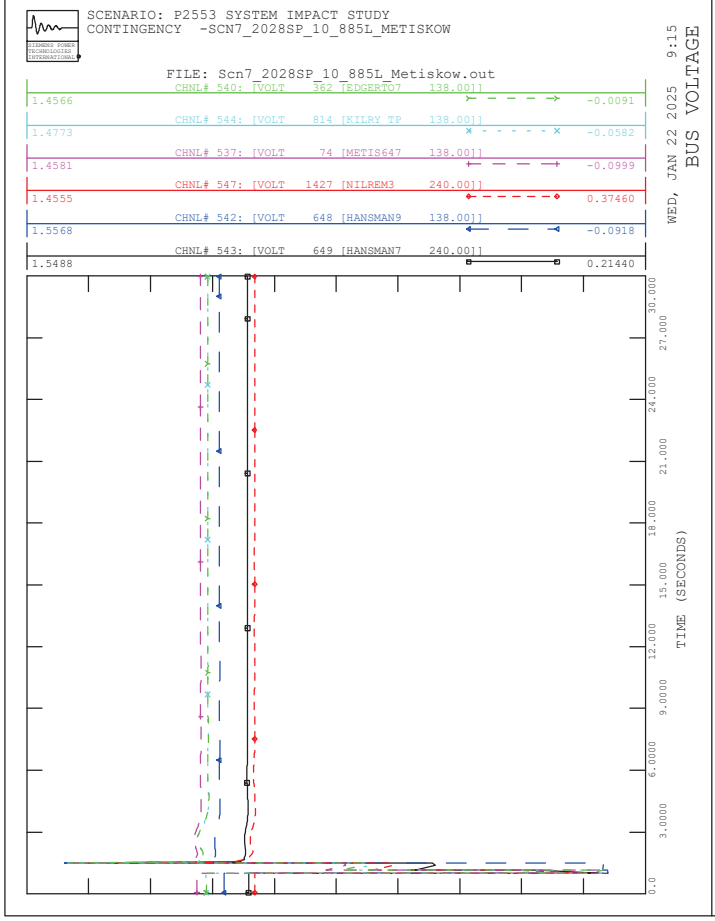
30.000
TIME (SECONDS)
WED, JAN 22 2025 9:15
BRANCH Q


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_10_885L_METISKOW
FILE: Scn7_2028SP_10_885L_Metiskow.out
CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.4566
-0.0091
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.4773
-0.0582
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.4581
-0.0999
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.4555
0.37460
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.5568
-0.0918
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.5488
0.21440
0.0
3.0000
6.0000
9.0000
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21.000
24.000
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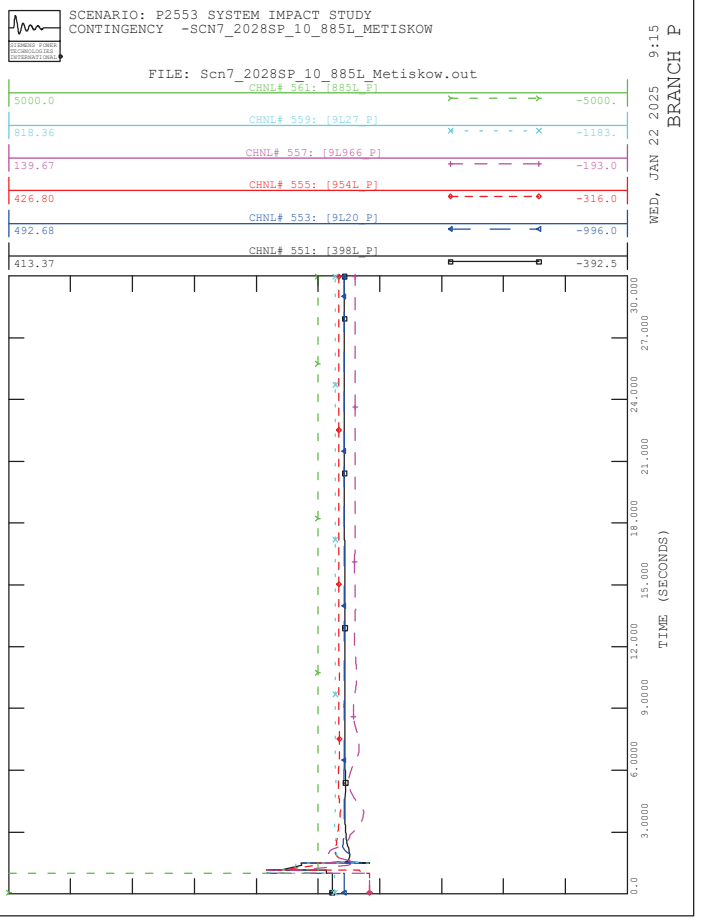
30.000
TIME (SECONDS)
WED, JAN 22 2025 9:15
BUS VOLTAGE


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_10_885L_METISKOW
FILE: Scn7_2028SP_10_885L_Metiskow.out
CHNL# 561: [885L P]
5000.0
-5000.
CHNL# 559: [9L27 P]
818.36
-1183.
CHNL# 557: [9L966 P]
139.67
-193.0
CHNL# 555: [954L P]
426.80
-316.0
CHNL# 553: [9L20 P]
492.68
-996.0
CHNL# 551: [398L P]
413.37
-392.5
0.0
3.0000
6.0000
9.0000
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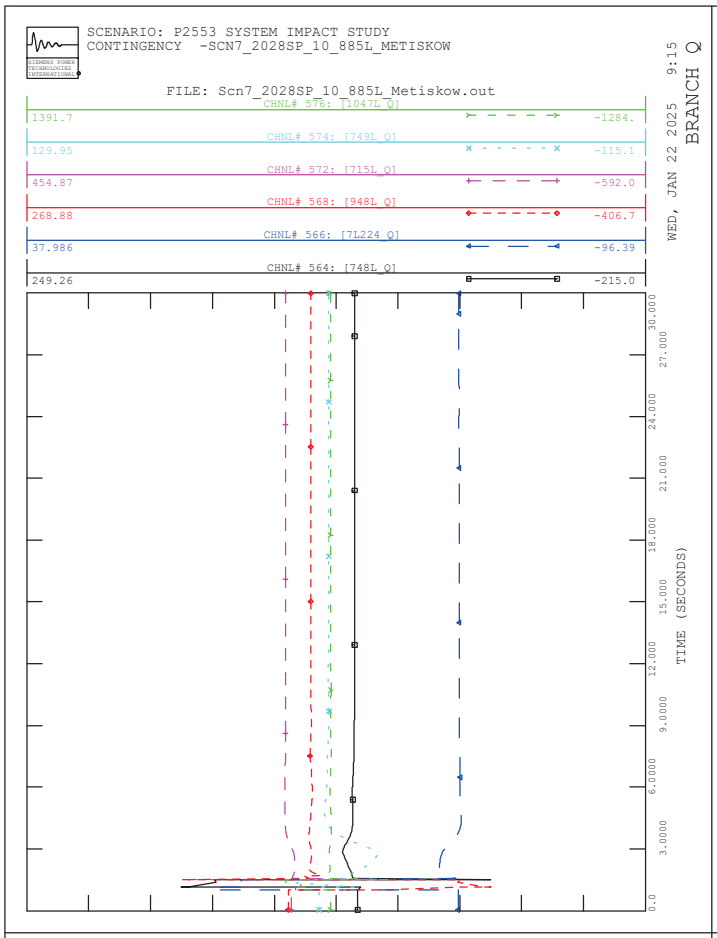
TIME (SECONDS)
WED, JAN 22 2025 9:15
BRANCH P


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_10_885L_METISKOW
FILE: Scn7_2028SP_10_885L_Metiskow.out
CHNL# 576: [1047L_Q]
1391.7
-1284.
CHNL# 574: [749L_Q]
129.95
-115.1
CHNL# 572: [715L_Q]
454.87
-592.0
CHNL# 568: [948L_Q]
268.88
-406.7
CHNL# 566: [7L224_Q]
37.986
-96.39
CHNL# 564: [748L_Q]
249.26
-215.0
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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6.0000
9.0000
12.000
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18.000
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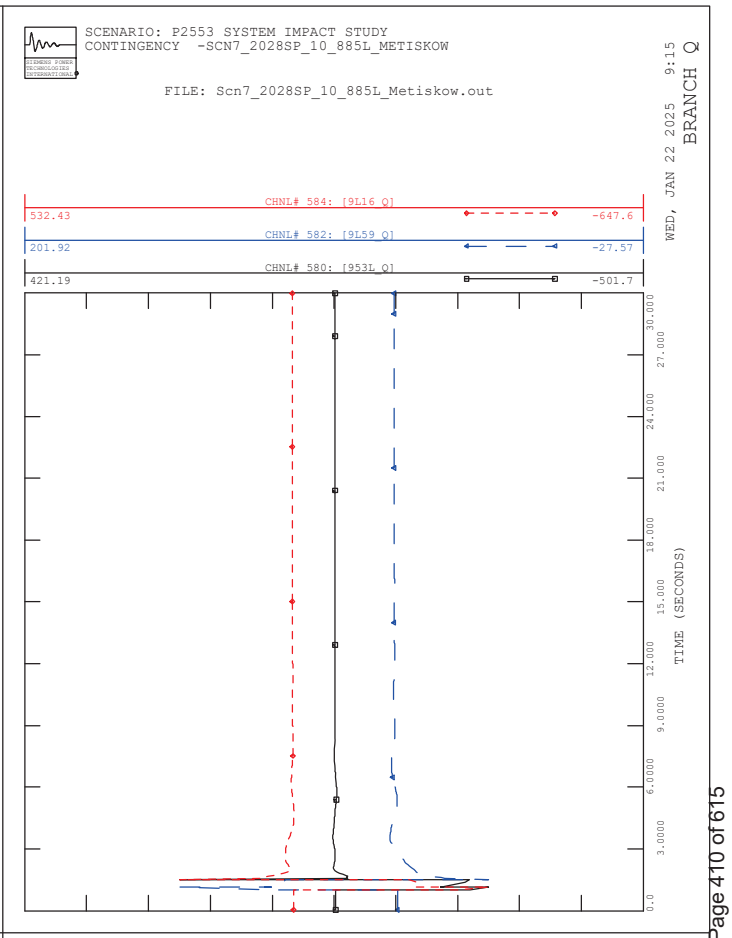
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_10_885L_METISKOW
FILE: Scn7_2028SP_10_885L_Metiskow.out
CHNL# 584: [9L16_Q]
532.43
-647.6
CHNL# 582: [9L59_Q]
201.92
-27.57
CHNL# 580: [953L_Q]
421.19
-501.7
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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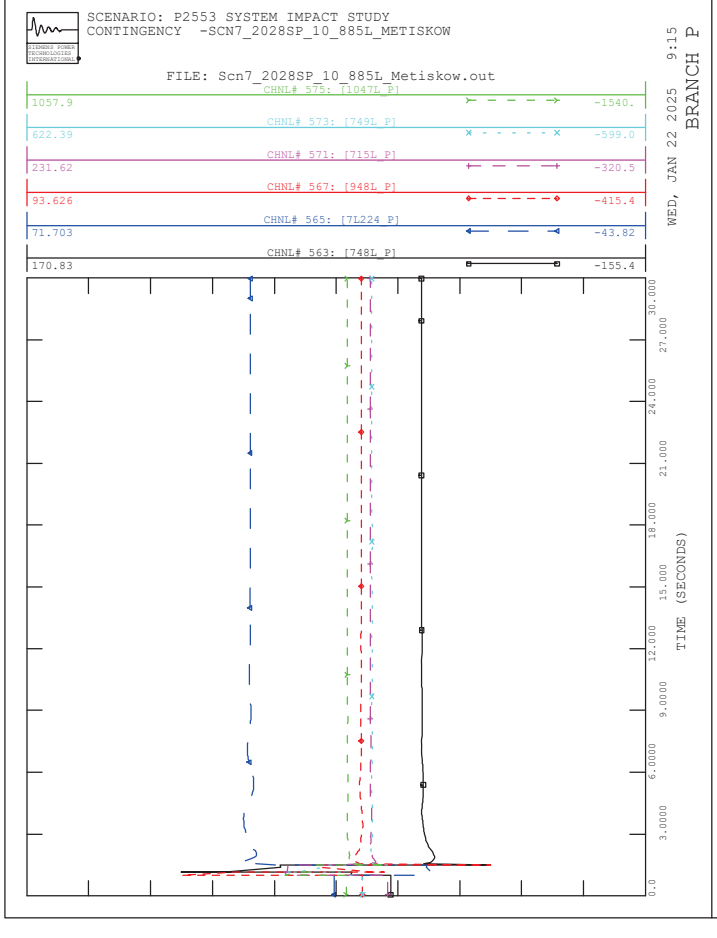
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_10_885L_METISKOW
FILE: Scn7_2028SP_10_885L_Metiskow.out
CHNL# 575: [1047L_P]
1057.9
-1540.
CHNL# 573: [749L_P]
622.39
-599.0
CHNL# 571: [715L_P]
231.62
-320.5
CHNL# 567: [948L_P]
93.626
-415.4
CHNL# 565: [7L224_P]
71.703
-43.82
CHNL# 563: [748L_P]
170.83
-155.4
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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6.0000
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18.000
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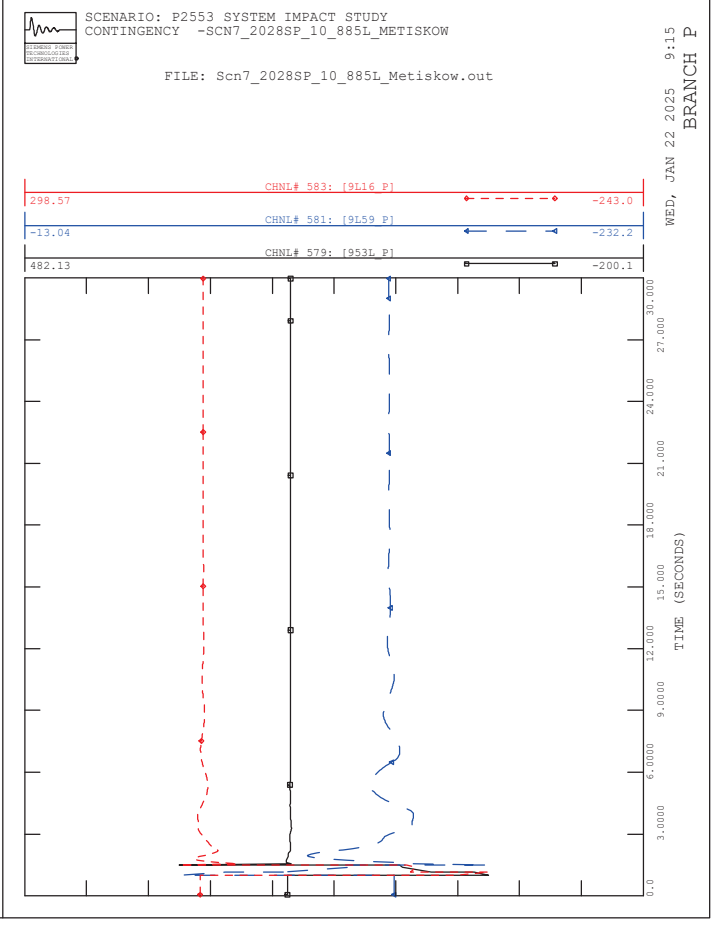
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_10_885L_METISKOW
FILE: Scn7_2028SP_10_885L_Metiskow.out
CHNL# 583: [9L16_P]
298.57
-243.0
CHNL# 581: [9L59_P]
-13.04
-232.2
CHNL# 579: [953L_P]
482.13
-200.1
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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18.000
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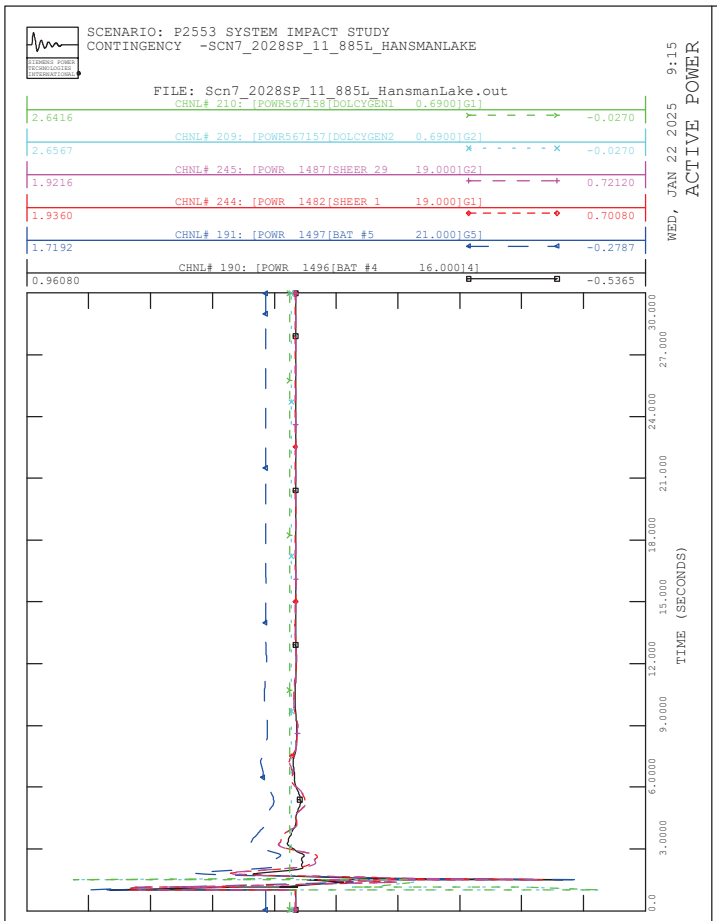
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_11_885L_HANSMANLAKE
FILE: Scn7_2028SP_11_885L_HansmanLake.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.6416
-0.0270
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.6567
-0.0270
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.9216
0.72120
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.9360
0.70080
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.7192
-0.2787
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.96080
-0.5365
0.0
3.0000
6.0000
9.0000
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21.000
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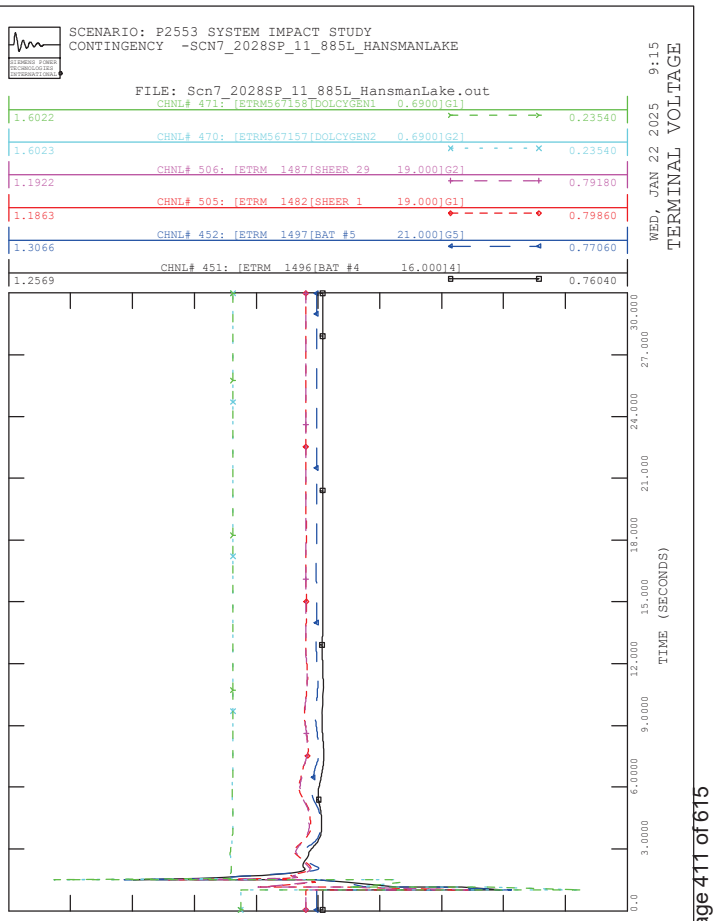
30.000
TIME (SECONDS)
WED, JAN 22 2025 9:15
ACTIVE POWER


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_11_885L_HANSMANLAKE
FILE: Scn7_2028SP_11_885L_HansmanLake.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.6022
0.23540
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.6023
0.23540
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1922
0.79180
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1863
0.79860
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.3066
0.77060
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.2569
0.76040
0.0
3.0000
6.0000
9.0000
12.000
15.000
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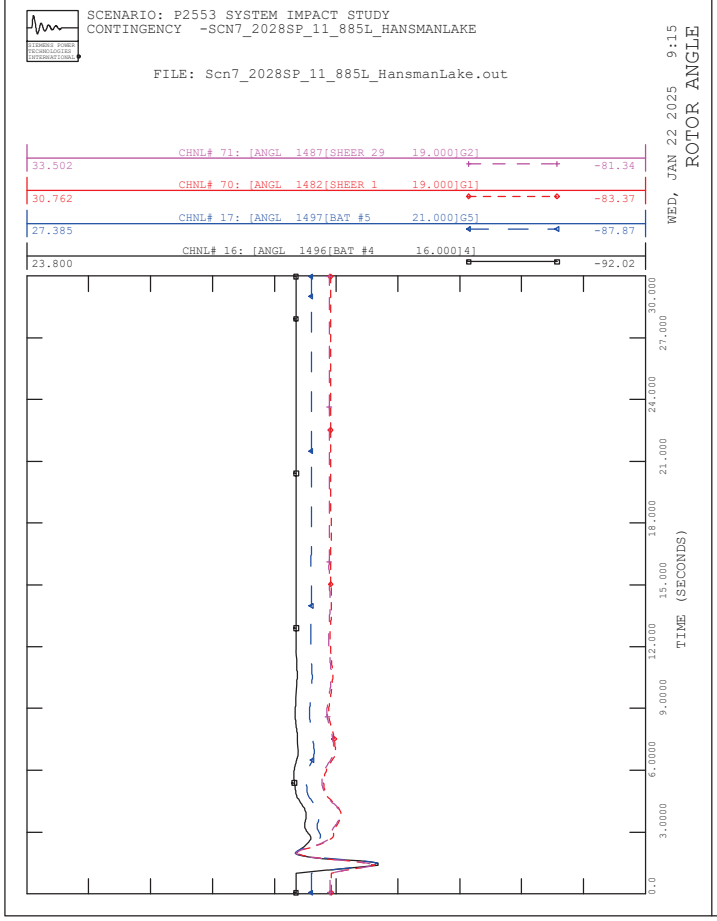
21.000
24.000
27.000
30.000
TIME (SECONDS)
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_11_885L_HANSMANLAKE
FILE: Scn7_2028SP_11_885L_HansmanLake.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
33.502
-81.34
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
30.762
-83.37
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
27.385
-87.87
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
23.800
-92.02
0.0
3.0000
6.0000
9.0000
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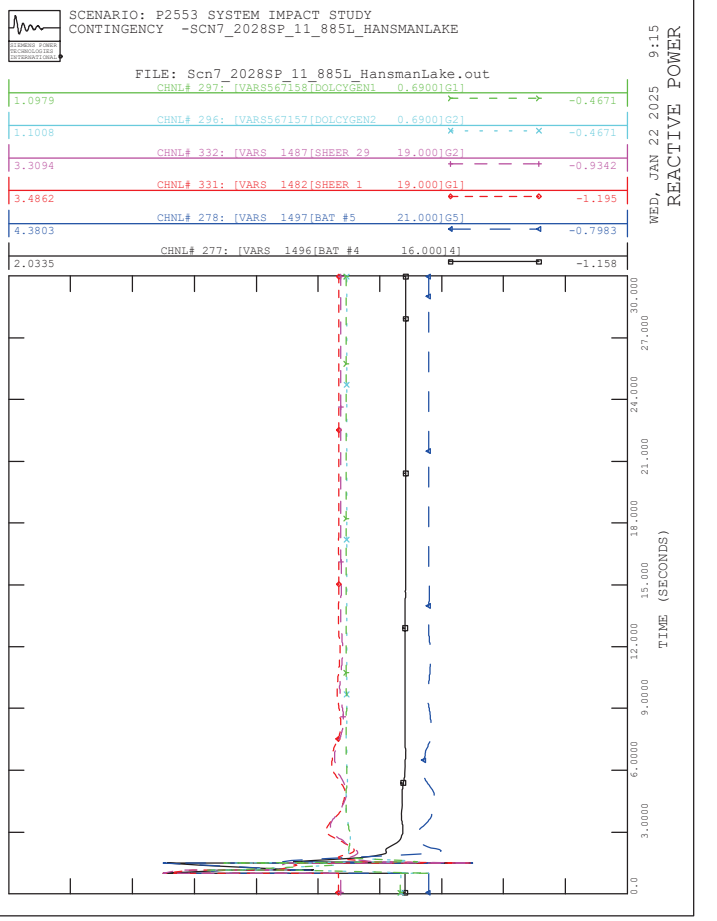
TIME (SECONDS)
WED, JAN 22 2025 9:15
ROTOR ANGLE


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_11_885L_HANSMANLAKE
FILE: Scn7_2028SP_11_885L_HansmanLake.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.0979
-0.4671
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.1008
-0.4671
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
3.3094
-0.9342
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
3.4862
-1.195
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
4.3803
-0.7983
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
2.0335
-1.158
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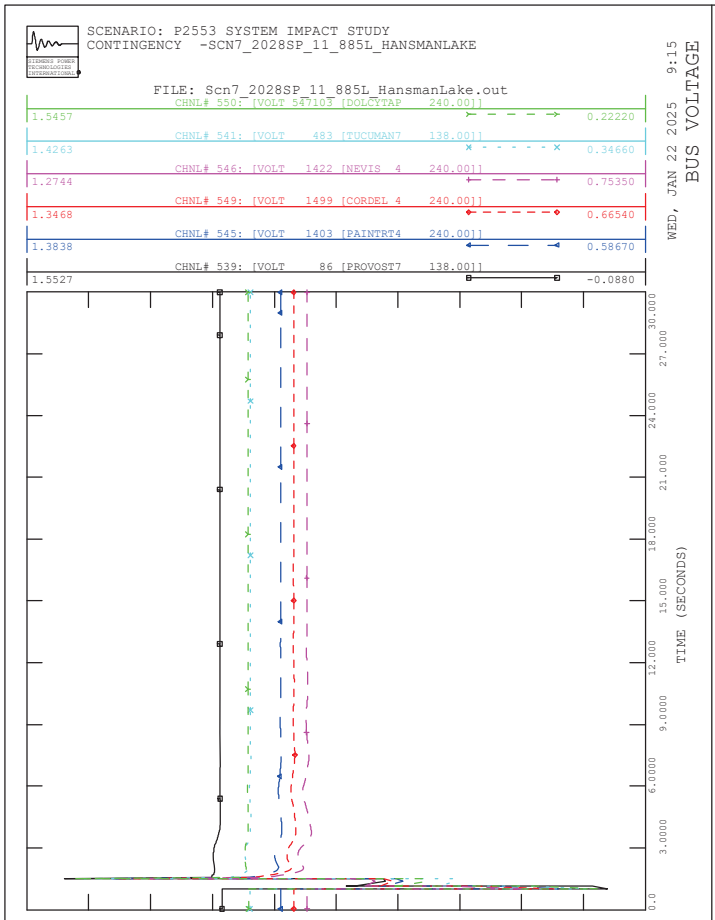
TIME (SECONDS)
WED, JAN 22 2025 9:15
REACTIVE POWER


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_11_885L_HANSMANLAKE
FILE: Scn7_2028SP_11_885L_HansmanLake.out
CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.5457
0.22220
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.4263
0.34660
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.2744
0.75350
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.3468
0.66540
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.3838
0.58670
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.5527
-0.0880
WED, JAN 22 2025 9:15
BUS VOLTAGE
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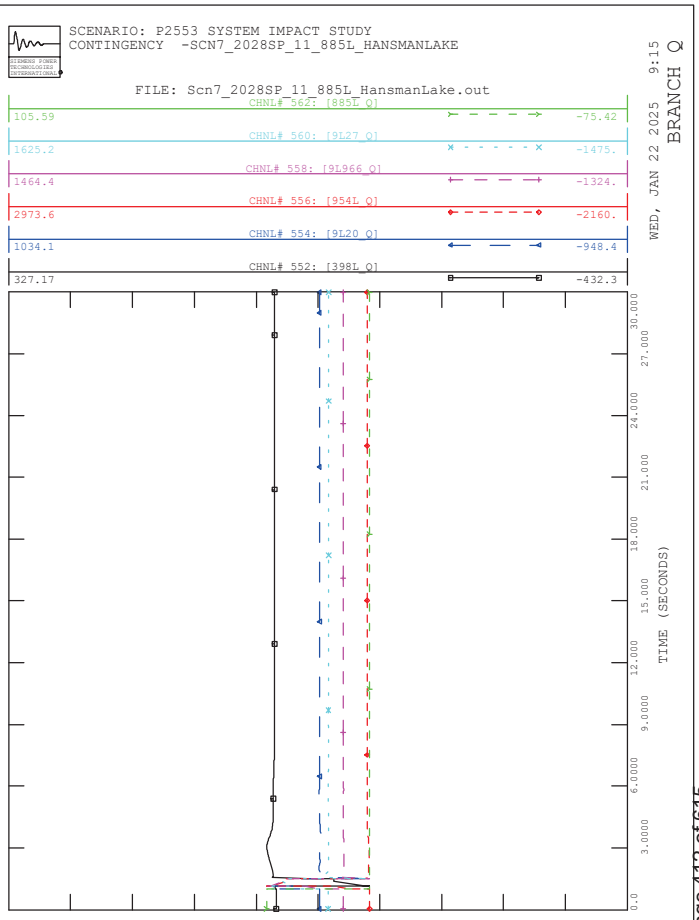
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_11_885L_HANSMANLAKE
FILE: Scn7_2028SP_11_885L_HansmanLake.out
CHNL# 562: [885L Q]
105.59
-75.42
CHNL# 560: [9L27 Q]
1625.2
-1475.
CHNL# 558: [9L966 Q]
1464.4
-1324.
CHNL# 556: [954L Q]
2973.6
-2160.
CHNL# 554: [9L20 Q]
1034.1
-948.4
CHNL# 552: [398L Q]
327.17
-432.3
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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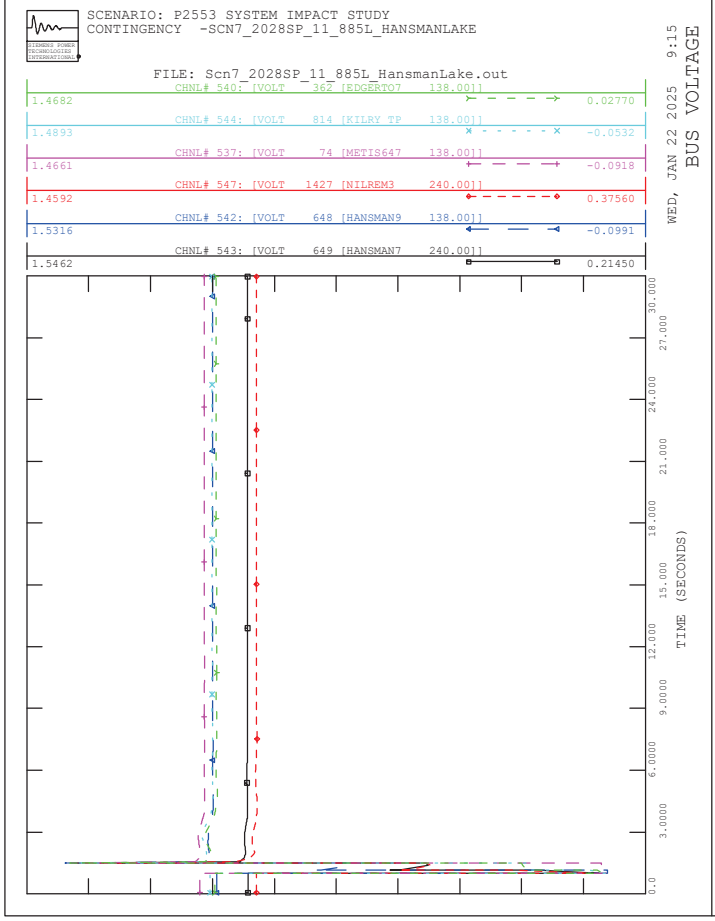
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_11_885L_HANSMANLAKE
FILE: Scn7_2028SP_11_885L_HansmanLake.out
CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.4682
0.02770
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.4893
-0.0532
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.4661
-0.0918
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.4592
0.37560
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.5316
-0.0991
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.5462
0.21450
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BUS VOLTAGE
TIME (SECONDS)
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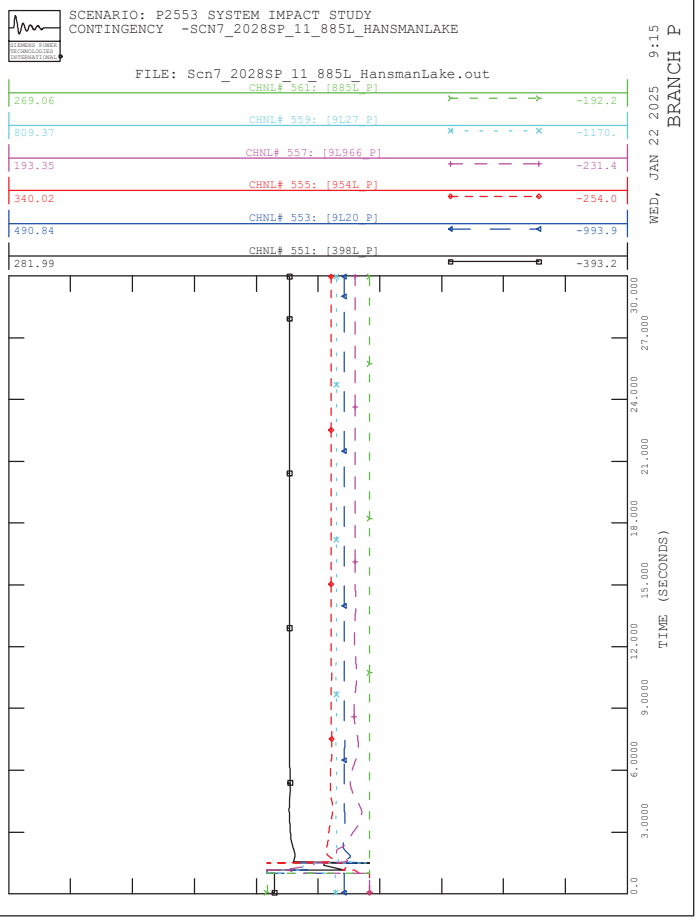
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_11_885L_HANSMANLAKE
FILE: Scn7_2028SP_11_885L_HansmanLake.out
CHNL# 561: [885L P]
269.06
-192.2
CHNL# 559: [9L27 P]
809.37
-1170.
CHNL# 557: [9L966 P]
193.35
-231.4
CHNL# 555: [954L P]
340.02
-254.0
CHNL# 553: [9L20 P]
490.84
-993.9
CHNL# 551: [398L P]
281.99
-393.2
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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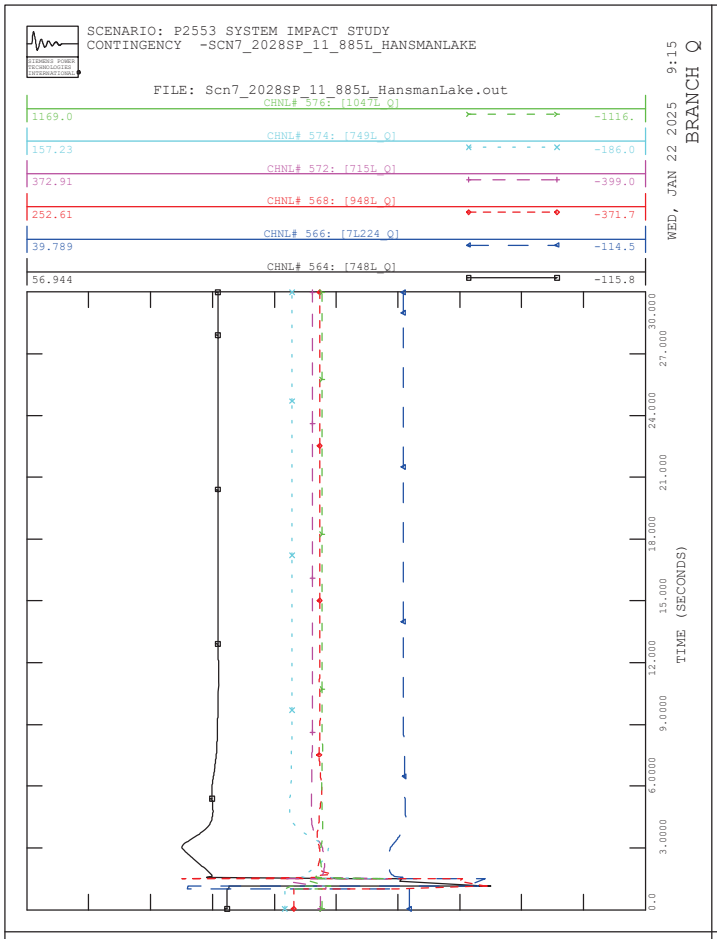
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_11_885L_HANSMANLAKE
FILE: Scn7_2028SP_11_885L_HansmanLake.out
CHNL# 576: [1047L Q]
1169.0
-1116.
CHNL# 574: [749L Q]
157.23
-186.0
CHNL# 572: [715L Q]
372.91
-399.0
CHNL# 568: [948L Q]
252.61
-371.7
CHNL# 566: [7L224 Q]
39.789
-114.5
CHNL# 564: [748L Q]
56.944
-115.8
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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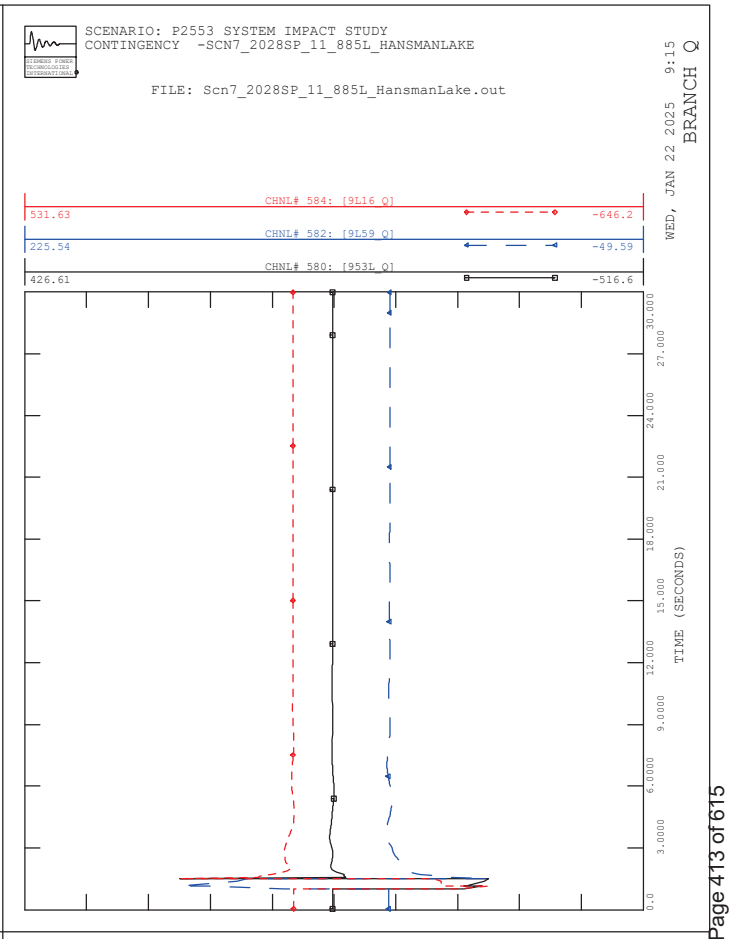
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CONTINGENCY -SCN7_2028SP_11_885L_HANSMANLAKE
FILE: Scn7_2028SP_11_885L_HansmanLake.out
CHNL# 584: [9L16 Q]
531.63
-646.2
CHNL# 582: [9L59 Q]
225.54
-49.59
CHNL# 580: [953L Q]
426.61
-516.6
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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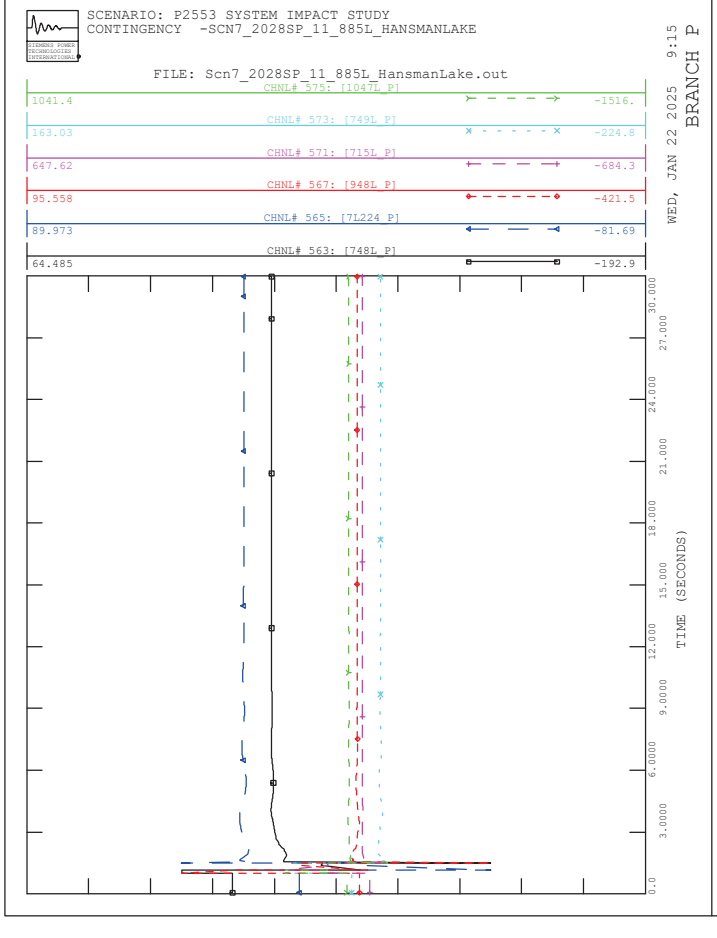
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_11_885L_HANSMANLAKE
FILE: Scn7_2028SP_11_885L_HansmanLake.out
CHNL# 575: [1047L P]
1041.4
-1516.
CHNL# 573: [749L P]
163.03
-224.8
CHNL# 571: [715L P]
647.62
-684.3
CHNL# 567: [948L P]
95.558
-421.5
CHNL# 565: [7L224 P]
89.973
-81.69
CHNL# 563: [748L P]
64.485
-192.9
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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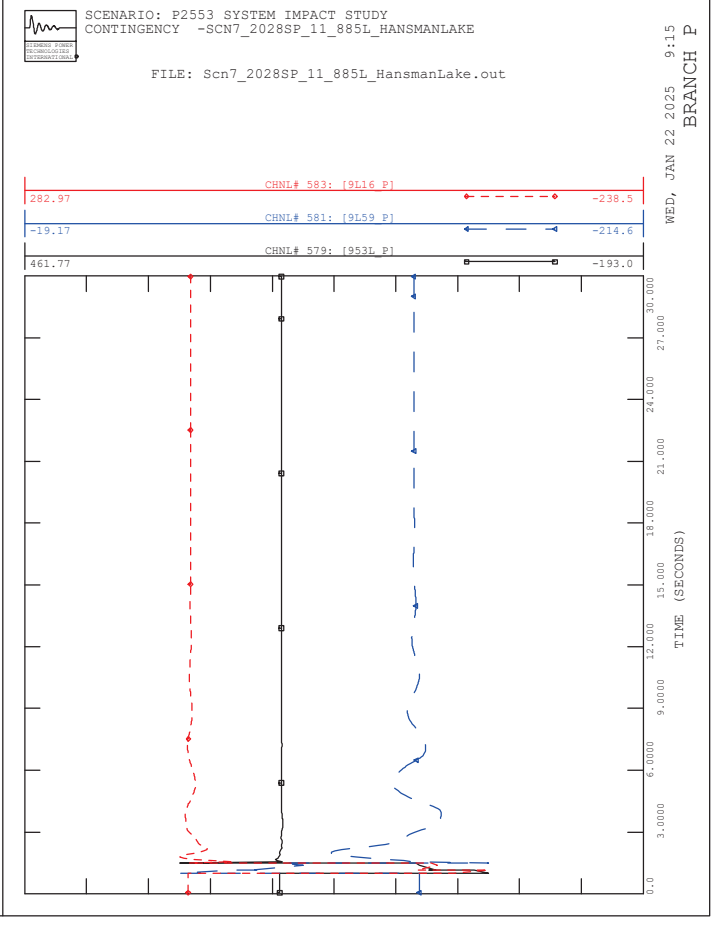
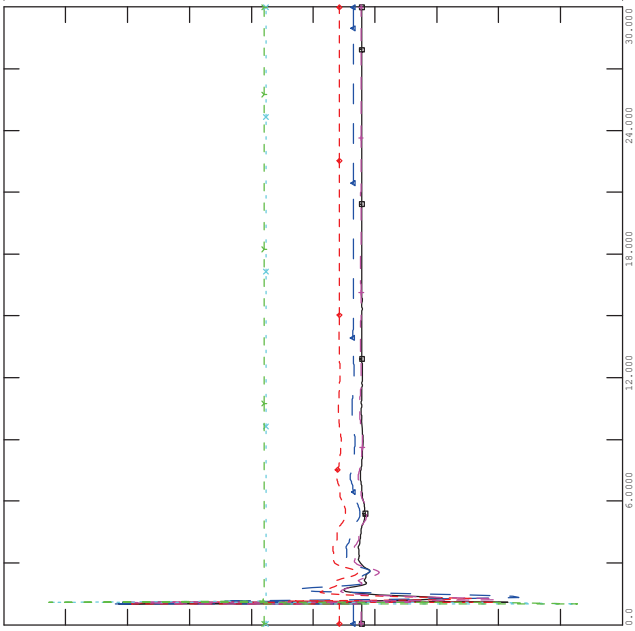

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_11_885L_HANSMANLAKE
FILE: Scn7_2028SP_11_885L_HansmanLake.out
CHNL# 583: [9L16 P]
282.97
-238.5
CHNL# 581: [9L59 P]
-19.17
-214.6
CHNL# 579: [953L P]
461.77
-193.0
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_12_1047L_NILREM

FILE: Scn7_2028SP_12_1047L_Nilrem.out

CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.6642 -0.0826
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.6800 -0.0826
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.9714 0.98140
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.9255 0.95700
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.6230 0.42840
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.93530 -0.1450



TIME (SECONDS)

WED, JAN 22 2025 9:15
ACTIVE POWER

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_12_1047L_NILREM

FILE: Scn7_2028SP_12_1047L_Nilrem.out

CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.7234 0.17630
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.7237 0.17630
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.2145 0.76830
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.2033 0.77660
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.2198 0.68800
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
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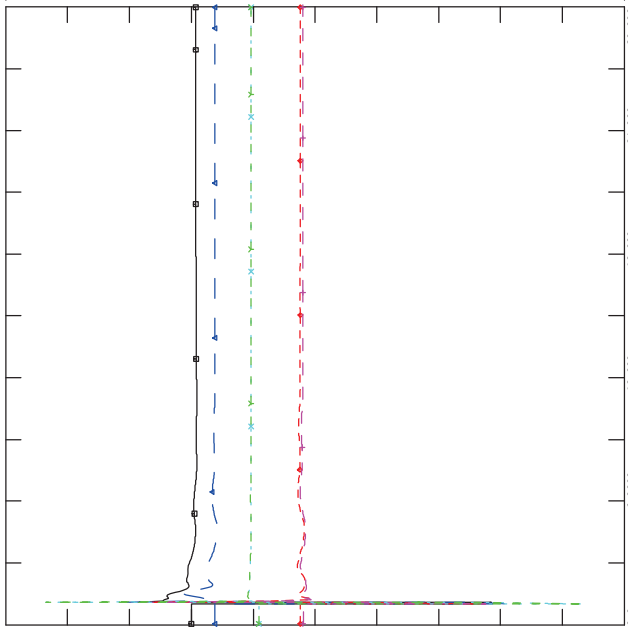


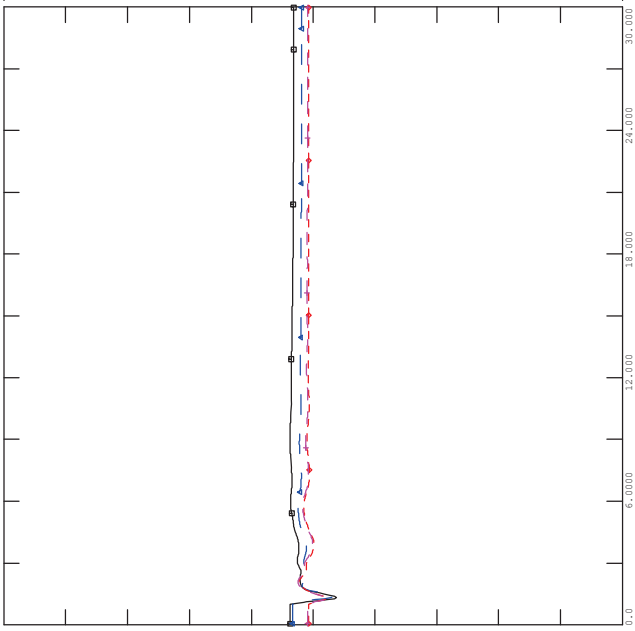
TIME (SECONDS)

WED, JAN 22 2025 9:15
TERMINAL VOLTAGE

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_12_1047L_NILREM

FILE: Scn7_2028SP_12_1047L_Nilrem.out

CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
28.912 -76.26
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
26.221 -78.54
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
24.422 -82.74
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
23.420 -84.72



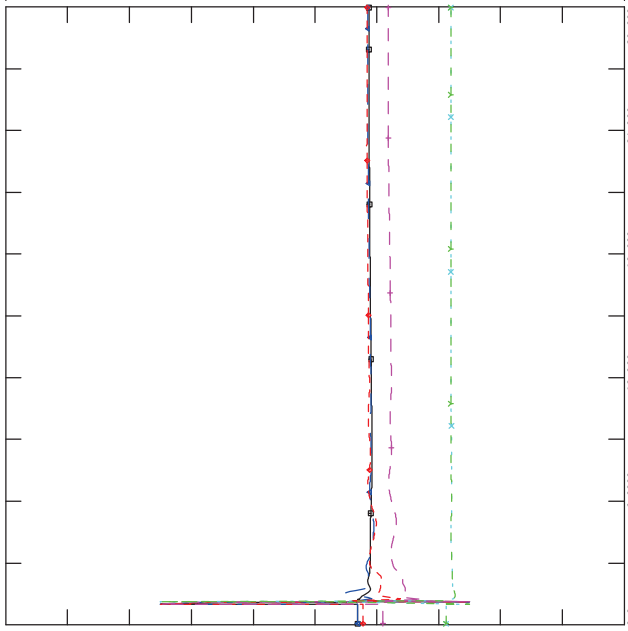
TIME (SECONDS)

WED, JAN 22 2025 9:15
ROTOR ANGLE

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_12_1047L_NILREM

FILE: Scn7_2028SP_12_1047L_Nilrem.out

CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.5924 -0.4947
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.5999 -0.4972
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
3.4774 -0.5289
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
3.7701 -1.042
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
5.6336 -2.746
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
3.0269 -2.314



TIME (SECONDS)

WED, JAN 22 2025 9:15
REACTIVE POWER

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_12_1047L_NILREM

FILE: Scn7_2028SP_12_1047L_Nilrem.out

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]] 1.6293 0.16330
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]] 1.3340 0.00840
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]] 1.2433 0.66400
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]] 1.3015 0.52430
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]] 1.3579 0.45890
CHNL# 539: [VOLT 86 [PROVOST7 138.00]] 1.5553 0.15590

BUS VOLTAGE
WED, JAN 22 2025 9:15
TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_12_1047L_NILREM

FILE: Scn7_2028SP_12_1047L_Nilrem.out

CHNL# 562: [885L_Q] 795.09 -611.0
CHNL# 560: [9L27_Q] 1975.3 -1878.
CHNL# 558: [9L966_Q] 1676.5 -1586.
CHNL# 556: [954L_Q] 494.64 -557.9
CHNL# 554: [9L20_Q] 1133.8 -936.7
CHNL# 552: [398L_Q] 210.83 -264.8

BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_12_1047L_NILREM

FILE: Scn7_2028SP_12_1047L_Nilrem.out

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]] 1.4713 0.20560
CHNL# 544: [VOLT 814 [KILRY TP 138.00]] 1.5037 0.16470
CHNL# 537: [VOLT 74 [METIS647 138.00]] 1.5317 0.15410
CHNL# 547: [VOLT 1427 [NILREM3 240.00]] 1.3496 -0.0967
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]] 1.5337 0.15510
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]] 1.6310 0.15710

BUS VOLTAGE
WED, JAN 22 2025 9:15
TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_12_1047L_NILREM

FILE: Scn7_2028SP_12_1047L_Nilrem.out

CHNL# 561: [885L_P] 800.53 -546.2
CHNL# 559: [9L27_P] 1126.8 -1600.
CHNL# 557: [9L966_P] 324.61 -402.9
CHNL# 555: [954L_P] 162.57 -147.3
CHNL# 553: [9L20_P] 706.43 -1153.
CHNL# 551: [398L_P] 117.40 -166.6

BRANCH P
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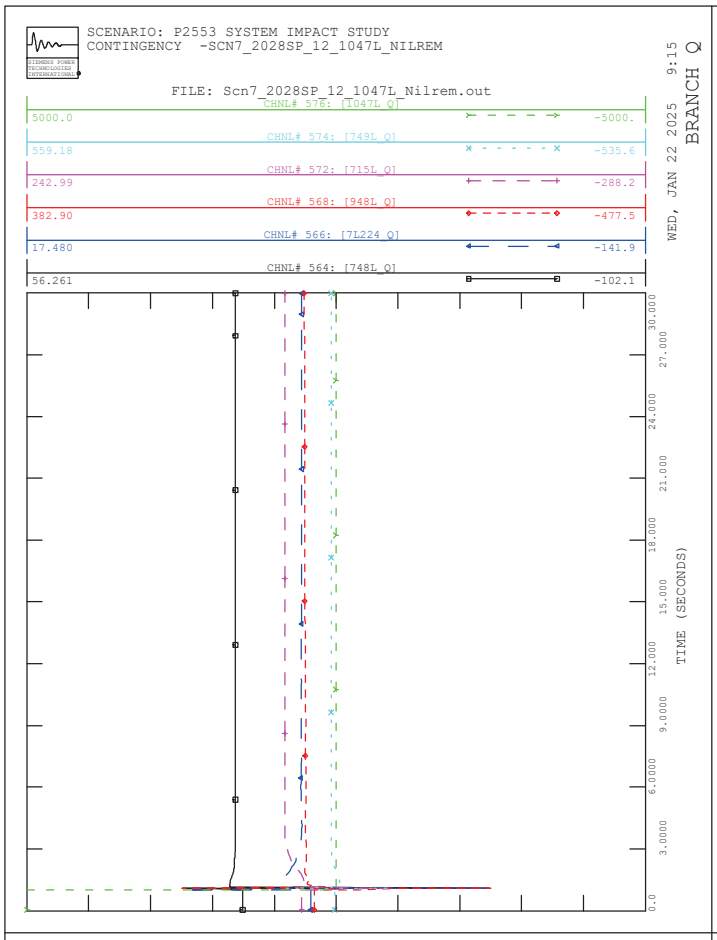
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_12_1047L_NILREM
FILE: Scn7_2028SP_12_1047L_Nilrem.out
CHNL# 576: [1047L Q]
5000.0
-5000.
CHNL# 574: [749L Q]
559.18
-535.6
CHNL# 572: [715L Q]
242.99
-288.2
CHNL# 568: [948L Q]
382.90
-477.5
CHNL# 566: [7L224 Q]
17.480
-141.9
CHNL# 564: [748L Q]
56.261
-102.1
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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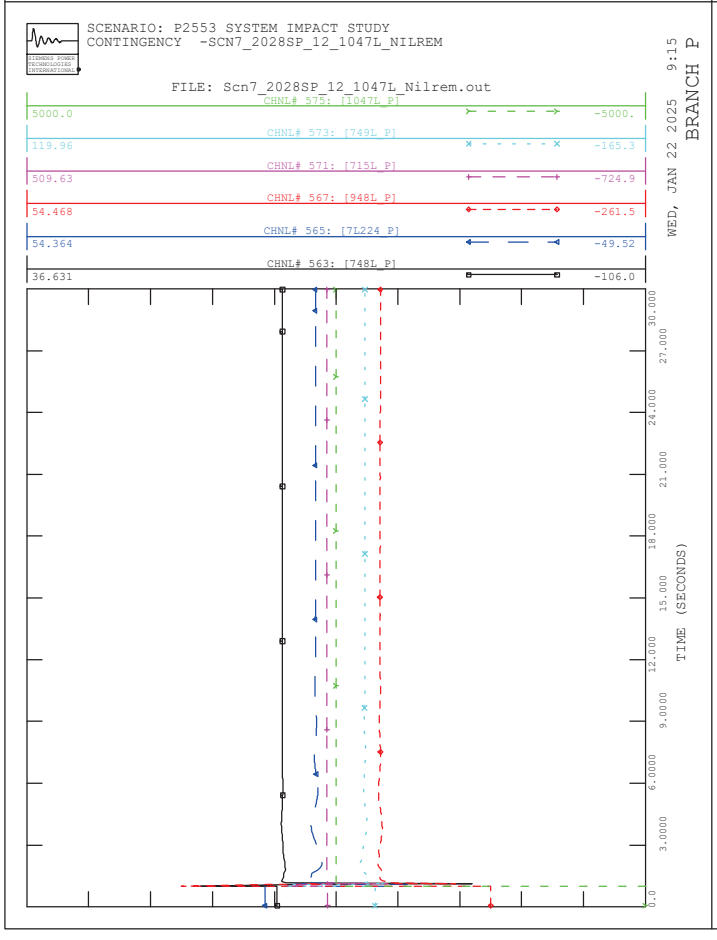
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_12_1047L_NILREM
FILE: Scn7_2028SP_12_1047L_Nilrem.out
CHNL# 575: [1047L P]
5000.0
-5000.
CHNL# 573: [749L P]
119.96
-165.3
CHNL# 571: [715L P]
509.63
-724.9
CHNL# 567: [948L P]
54.468
-261.5
CHNL# 565: [7L224 P]
54.364
-49.52
CHNL# 563: [748L P]
36.631
-106.0
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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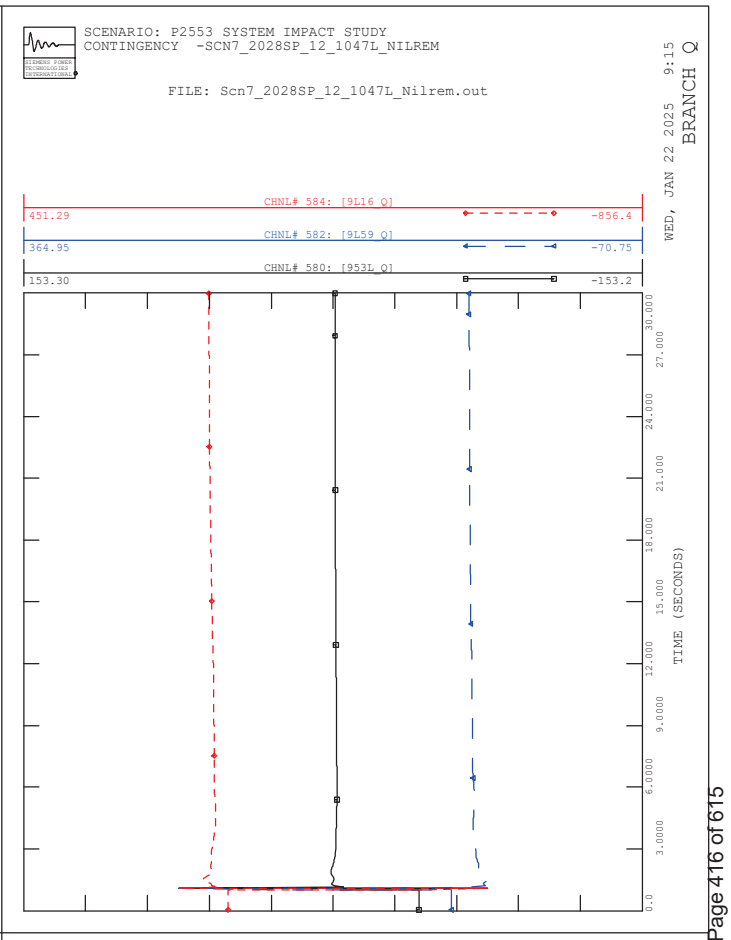
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_12_1047L_NILREM
FILE: Scn7_2028SP_12_1047L_Nilrem.out
CHNL# 584: [9L16 Q]
451.29
-856.4
CHNL# 582: [9L59 Q]
364.95
-70.75
CHNL# 580: [953L Q]
153.30
-153.2
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
0.0
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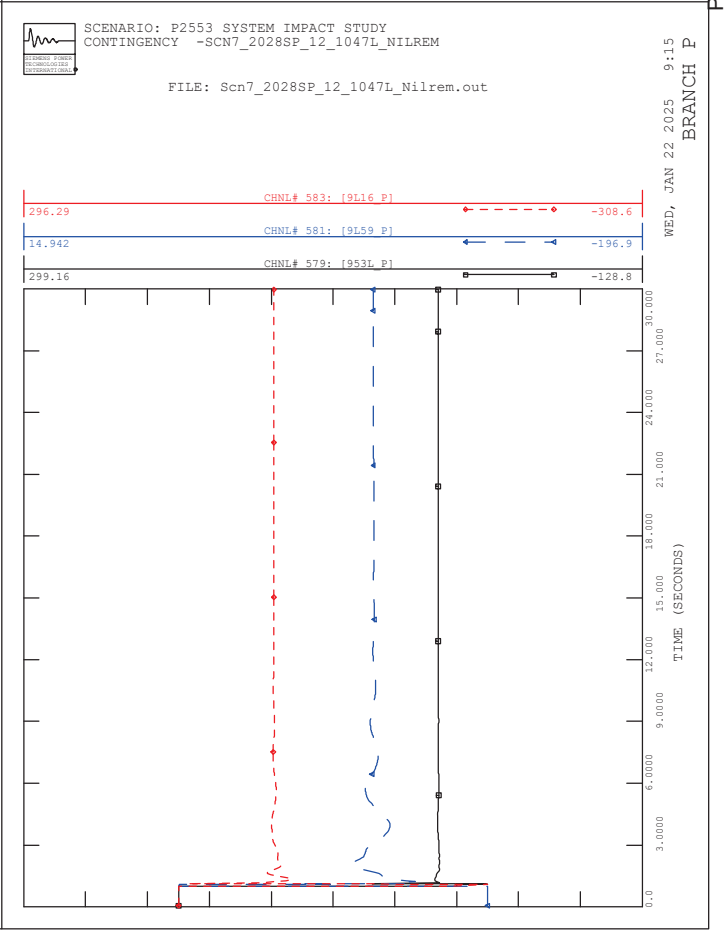
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CONTINGENCY -SCN7_2028SP_12_1047L_NILREM
FILE: Scn7_2028SP_12_1047L_Nilrem.out
CHNL# 583: [9L16 P]
296.29
-308.6
CHNL# 581: [9L59 P]
14.942
-196.9
CHNL# 579: [953L P]
299.16
-128.8
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
0.0
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_13_1047L_HANSMANLAKE

FILE: Scn7_2028SP_13_1047L_HansmanLake.out

WED, JAN 22 2025 9:15

ACTIVE POWER

CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
1.9625 -0.1990

CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
1.9769 -0.1990

CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
2.1085 0.84190

CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
2.0387 0.85740

CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.7459 0.32180

CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.98700 -0.0959

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_13_1047L_HANSMANLAKE

FILE: Scn7_2028SP_13_1047L_HansmanLake.out

WED, JAN 22 2025 9:15

TERMINAL VOLTAGE

CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.8030 -0.0742

CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.8036 -0.0742

CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.2038 0.74980

CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1921 0.75930

CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.2057 0.71140

CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1401 0.71660

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TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_13_1047L_HANSMANLAKE

FILE: Scn7_2028SP_13_1047L_HansmanLake.out

WED, JAN 22 2025 9:15

ROTOR ANGLE

CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
29.325 -78.49

CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
26.540 -80.64

CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
24.421 -84.12

CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
23.421 -86.28

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TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_13_1047L_HANSMANLAKE

FILE: Scn7_2028SP_13_1047L_HansmanLake.out

WED, JAN 22 2025 9:15

REACTIVE POWER

CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
3.3128 -1.101

CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
3.3299 -1.107

CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
3.8062 -0.8634

CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
4.1276 -1.385

CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
5.1968 -2.170

CHNL# 277: [VARS 1496[BAT #4 16.000]4]
2.6990 -1.963

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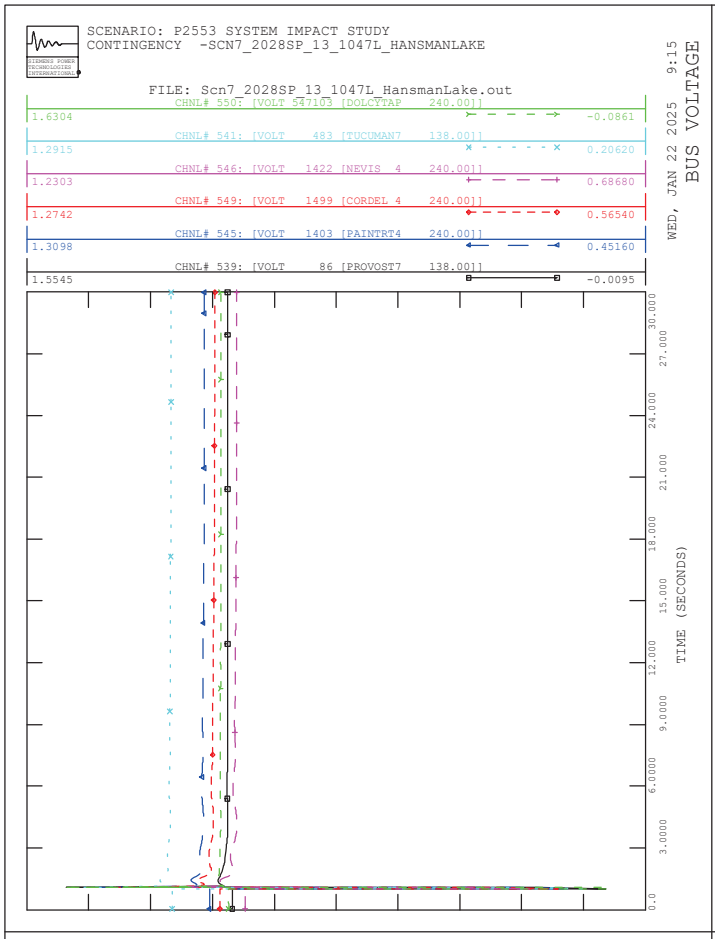
TIME (SECONDS)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CONTINGENCY -SCN7_2028SP_13_1047L_HANSMANLAKE
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CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.6304
-0.0861
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.2915
0.20620
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.2303
0.68680
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2742
0.56540
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.3098
0.45160
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.5545
-0.0095
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BUS VOLTAGE
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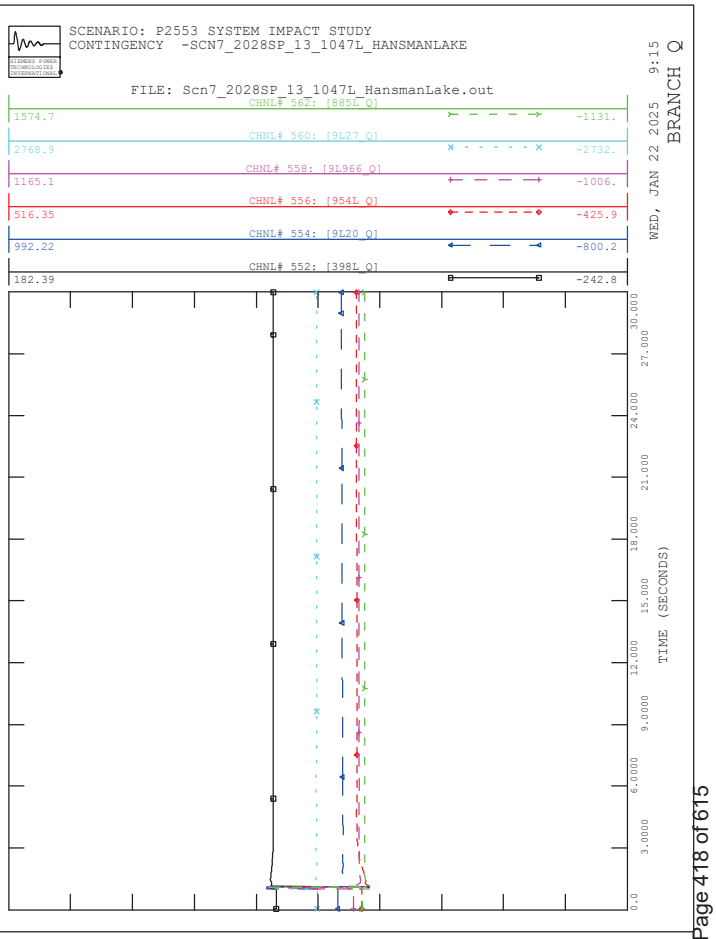
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FILE: Scn7_2028SP_13_1047L_HansmanLake.out
CHNL# 562: [885L Q]
1574.7
-1131.
CHNL# 560: [9L27 Q]
2768.9
-2732.
CHNL# 558: [9L966 Q]
1165.1
-1006.
CHNL# 556: [954L Q]
516.35
-425.9
CHNL# 554: [9L20 Q]
992.22
-800.2
CHNL# 552: [398L Q]
182.39
-242.8
WED, JAN 22 2025 9:15
BRANCH Q
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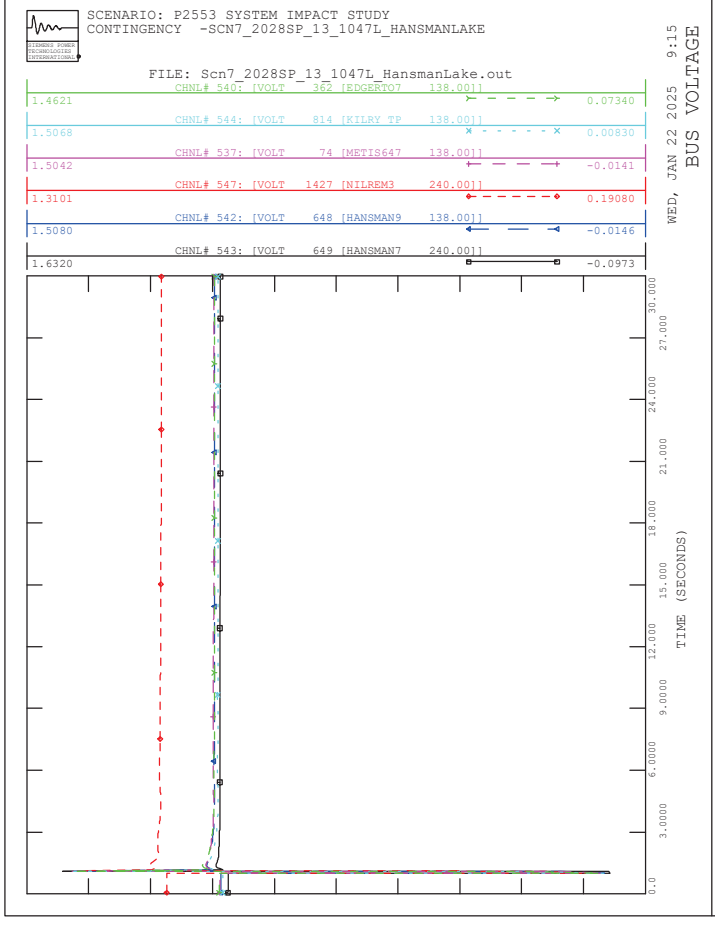
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FILE: Scn7_2028SP_13_1047L_HansmanLake.out
CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.4621
0.07340
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.5068
0.00830
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.5042
-0.0141
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.3101
0.19080
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.5080
-0.0146
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.6320
-0.0973
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BUS VOLTAGE
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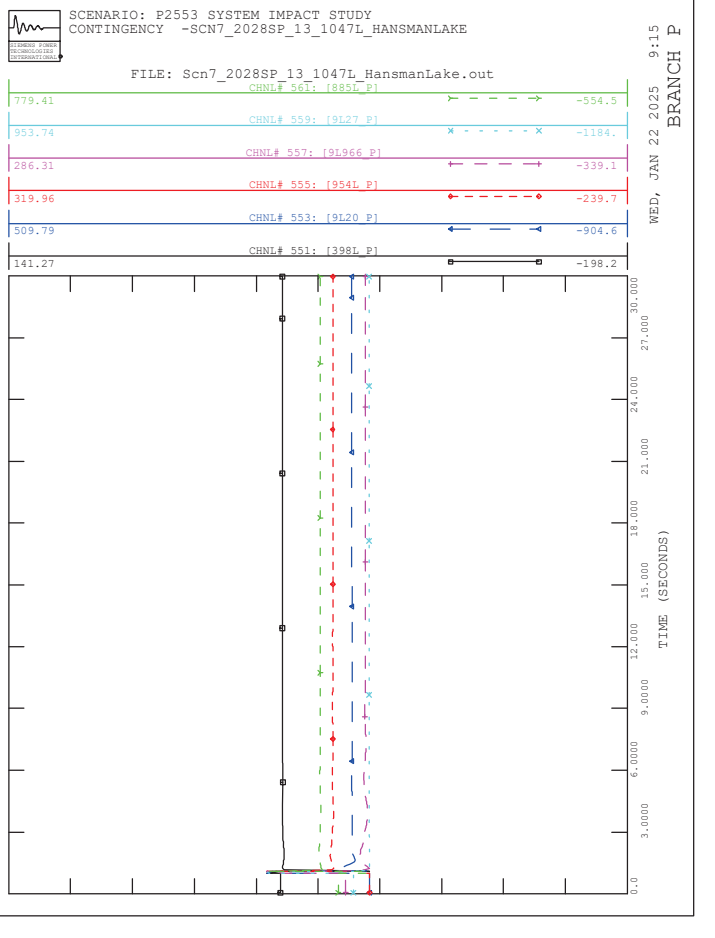
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CONTINGENCY -SCN7_2028SP_13_1047L_HANSMANLAKE
FILE: Scn7_2028SP_13_1047L_HansmanLake.out
CHNL# 561: [885L P]
779.41
-554.5
CHNL# 559: [9L27 P]
953.74
-1184.
CHNL# 557: [9L966 P]
286.31
-339.1
CHNL# 555: [954L P]
319.96
-239.7
CHNL# 553: [9L20 P]
509.79
-904.6
CHNL# 551: [398L P]
141.27
-198.2
WED, JAN 22 2025 9:15
BRANCH P
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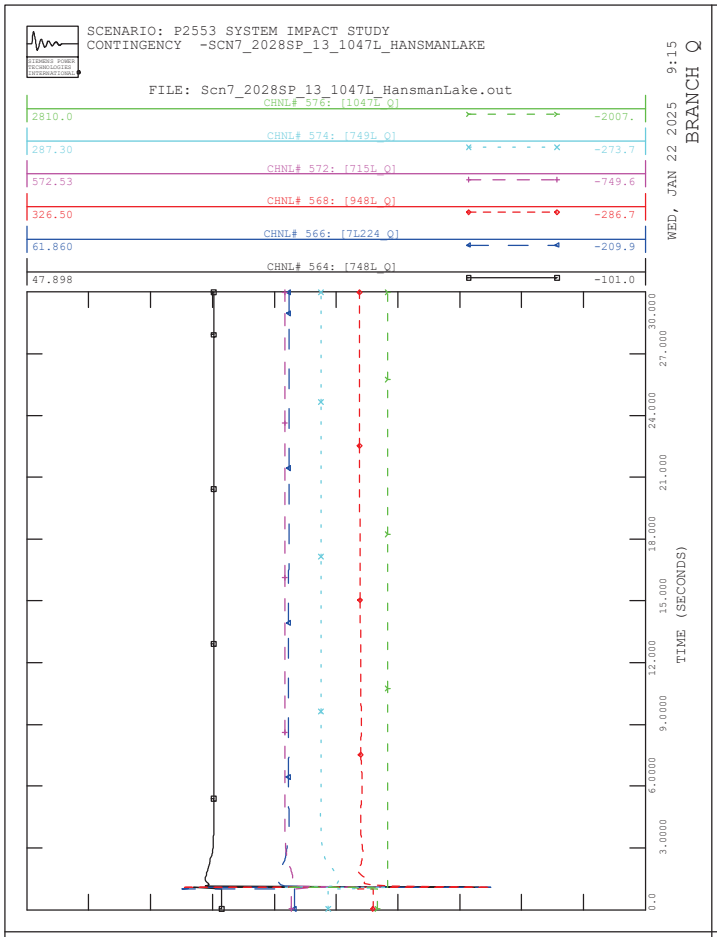
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CHNL# 576: [1047L Q]
2810.0
-2007.
CHNL# 574: [749L Q]
287.30
-273.7
CHNL# 572: [715L Q]
572.53
-749.6
CHNL# 568: [948L Q]
326.50
-286.7
CHNL# 566: [7L224 Q]
61.860
-209.9
CHNL# 564: [748L Q]
47.898
-101.0
WED, JAN 22 2025 9:15
BRANCH Q
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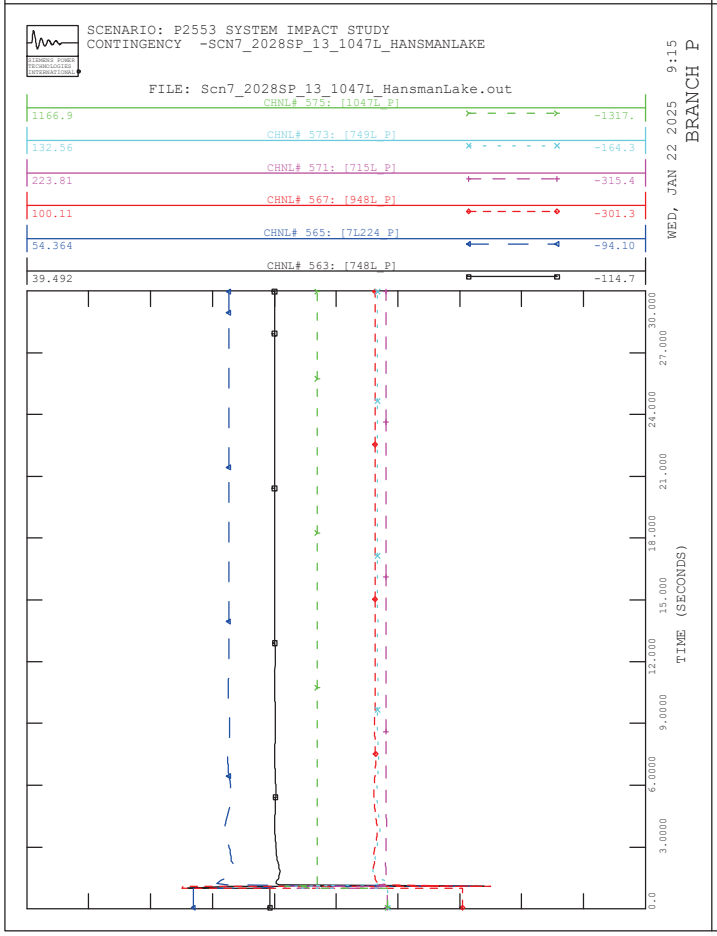
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CONTINGENCY -SCN7_2028SP_13_1047L_HANSMANLAKE
FILE: Scn7_2028SP_13_1047L_HansmanLake.out
CHNL# 575: [1047L P]
1166.9
-1317.
CHNL# 573: [749L P]
132.56
-164.3
CHNL# 571: [715L P]
223.81
-315.4
CHNL# 567: [948L P]
100.11
-301.3
CHNL# 565: [7L224 P]
54.364
-94.10
CHNL# 563: [748L P]
39.492
-114.7
WED, JAN 22 2025 9:15
BRANCH P
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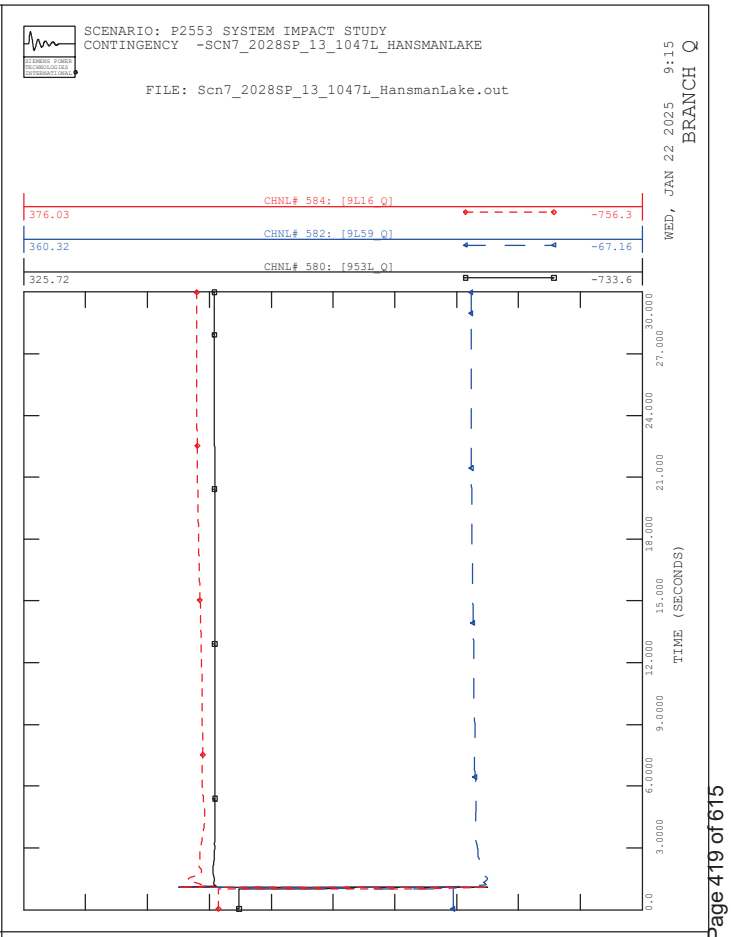
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CONTINGENCY -SCN7_2028SP_13_1047L_HANSMANLAKE
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CHNL# 584: [9L16 Q]
376.03
-756.3
CHNL# 582: [9L59 Q]
360.32
-67.16
CHNL# 580: [953L Q]
325.72
-733.6
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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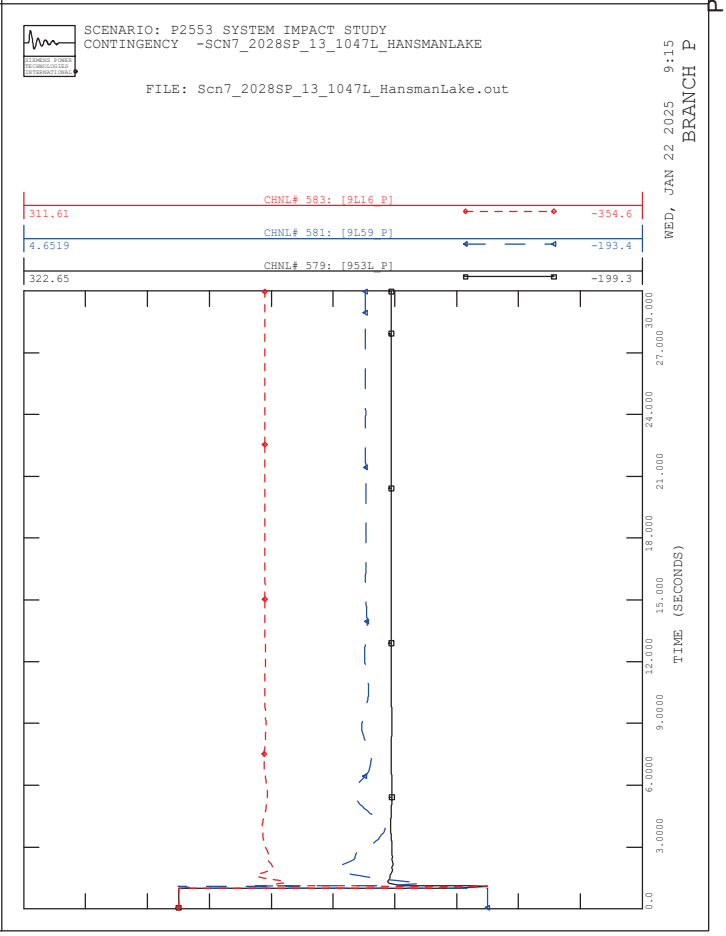
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CONTINGENCY -SCN7_2028SP_13_1047L_HANSMANLAKE
FILE: Scn7_2028SP_13_1047L_HansmanLake.out
CHNL# 583: [9L16 P]
311.61
-354.6
CHNL# 581: [9L59 P]
4.6519
-193.4
CHNL# 579: [953L P]
322.65
-199.3
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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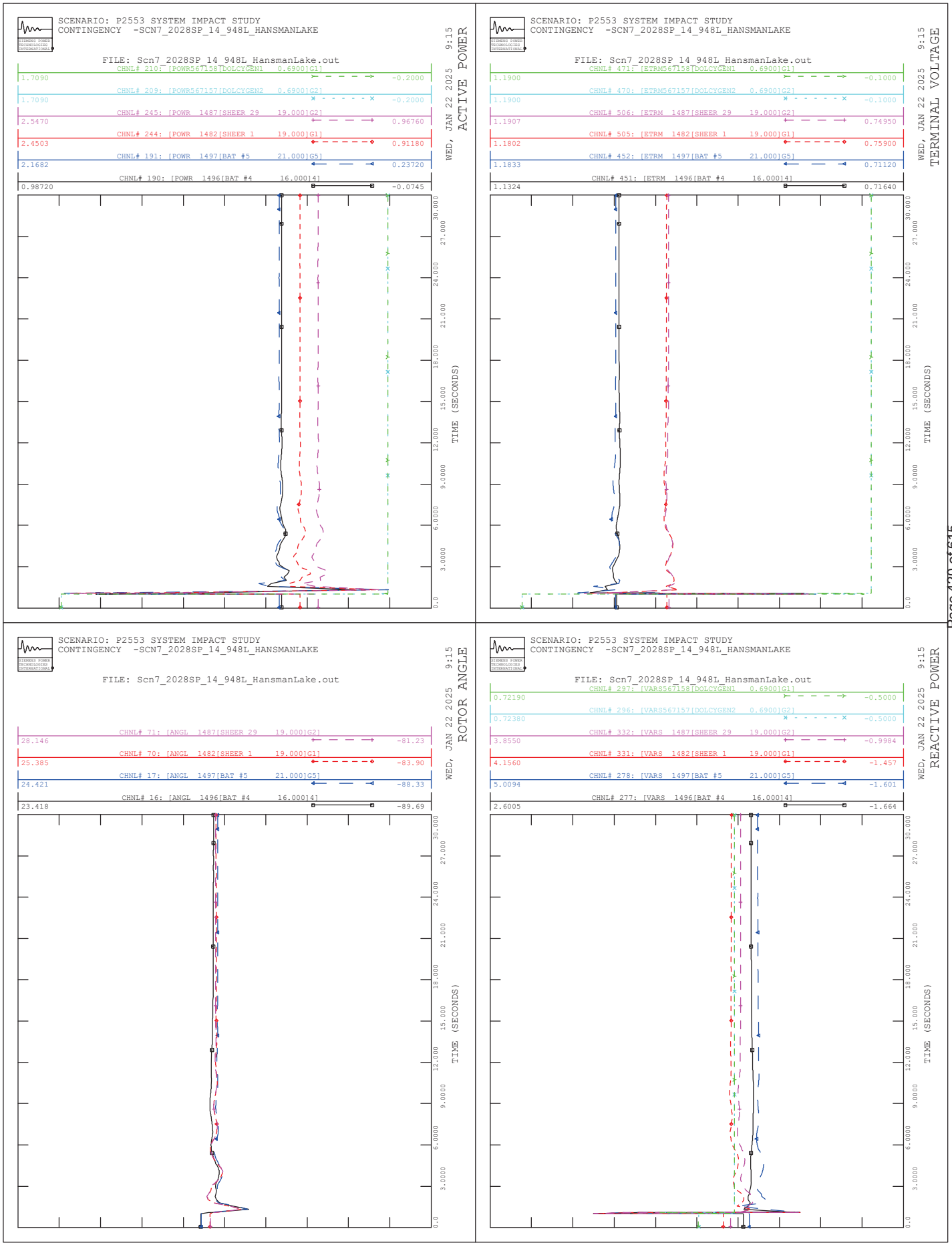
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CONTINGENCY -SCN7_2028SP_14_948L_HANSMANLAKE
FILE: Scn7_2028SP_14_948L_HansmanLake.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
1.7090
-0.2000
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
1.7090
-0.2000
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
2.5470
0.96760
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
2.4503
0.91180
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
2.1682
0.23720
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.98720
-0.0745
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
0.0
3.0000
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21.000
24.000
27.000
30.000
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_14_948L_HANSMANLAKE
FILE: Scn7_2028SP_14_948L_HansmanLake.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.1900
-0.1000
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.1900
-0.1000
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1907
0.74950
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1802
0.75900
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1833
0.71120
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1324
0.71640
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
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3.0000
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12.000
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18.000
21.000
24.000
27.000
30.000
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_14_948L_HANSMANLAKE
FILE: Scn7_2028SP_14_948L_HansmanLake.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
28.146
-81.23
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
25.385
-83.90
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
24.421
-88.33
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
23.418
-89.69
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_14_948L_HANSMANLAKE
FILE: Scn7_2028SP_14_948L_HansmanLake.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
0.72190
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CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
0.72380
-0.5000
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
3.8550
-0.9984
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
4.1560
-1.457
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
5.0094
-1.601
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
2.6005
-1.664
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
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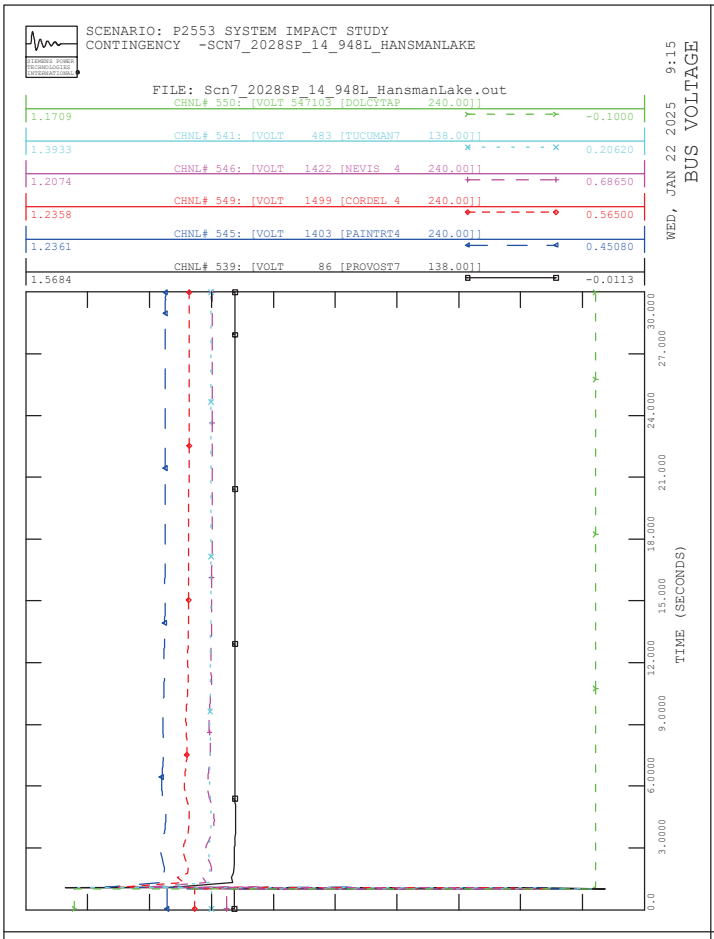
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FILE: Scn7_2028SP_14_948L_HansmanLake.out
CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.1709
-0.1000
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.3933
0.20620
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.2074
0.68650
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2358
0.56500
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.2361
0.45080
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.5684
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BUS VOLTAGE
WED, JAN 22 2025 9:15
TIME (SECONDS)
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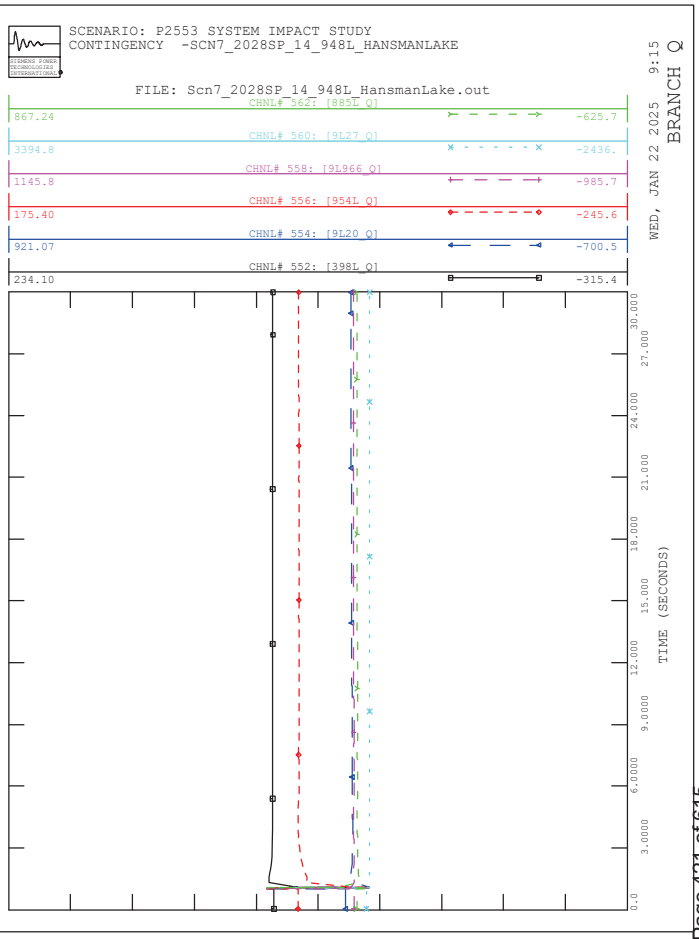
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CONTINGENCY -SCN7_2028SP_14_948L_HANSMANLAKE
FILE: Scn7_2028SP_14_948L_HansmanLake.out
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867.24
-625.7
CHNL# 560: [9L27 Q]
3394.8
-2436.
CHNL# 558: [9L966 Q]
1145.8
-985.7
CHNL# 556: [954L Q]
175.40
-245.6
CHNL# 554: [9L20 Q]
921.07
-700.5
CHNL# 552: [398L Q]
234.10
-315.4
BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
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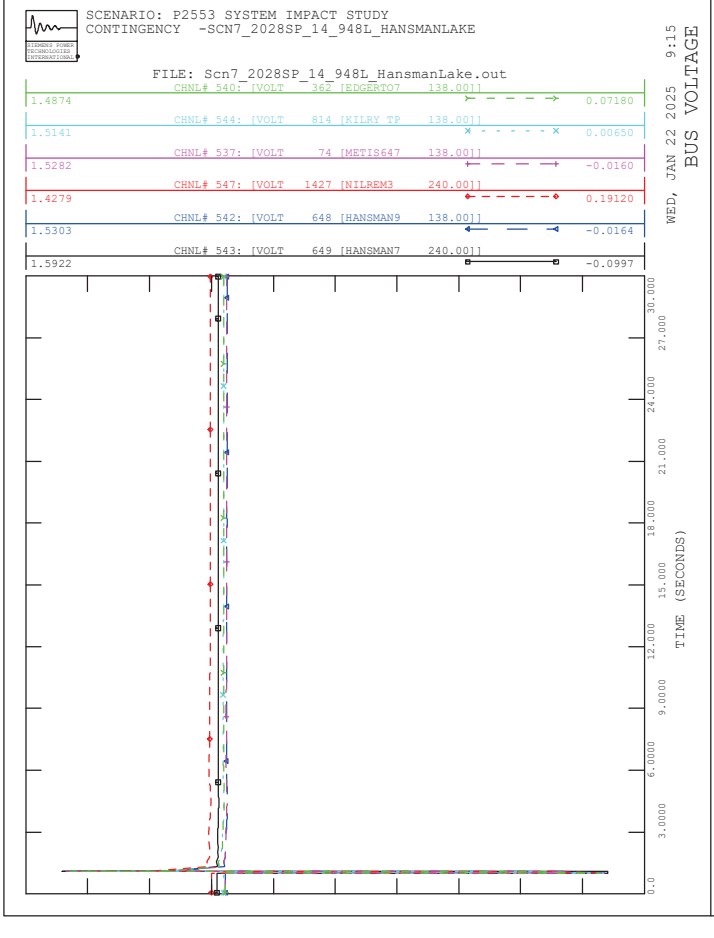
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CONTINGENCY -SCN7_2028SP_14_948L_HANSMANLAKE
FILE: Scn7_2028SP_14_948L_HansmanLake.out
CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.4874
0.07180
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.5141
0.00650
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.5282
-0.0160
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.4279
0.19120
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.5303
-0.0164
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.5922
-0.0997
BUS VOLTAGE
WED, JAN 22 2025 9:15
TIME (SECONDS)
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3.0000
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27.000
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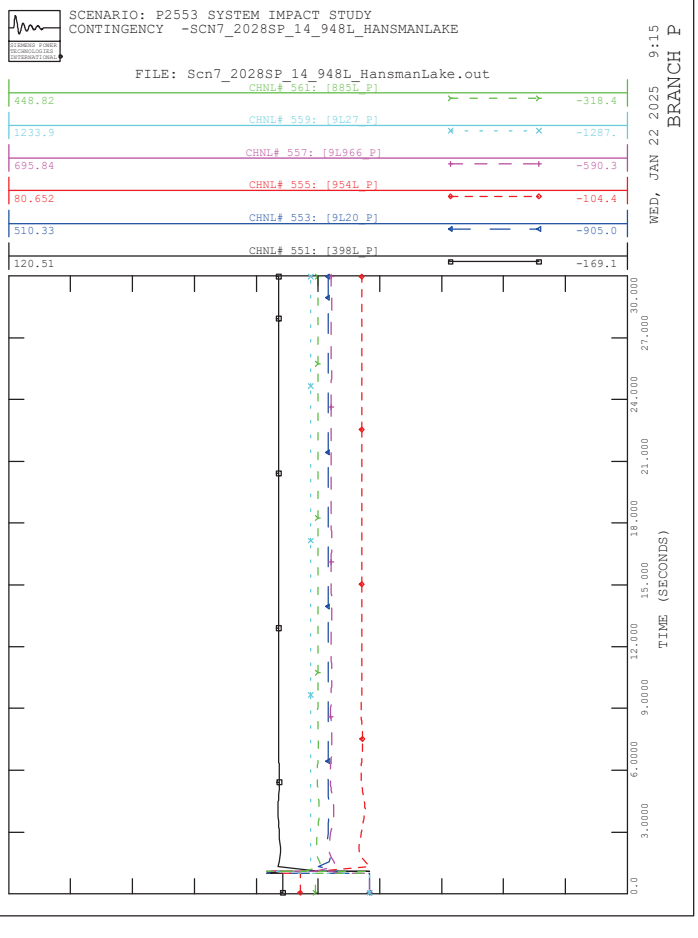
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_14_948L_HANSMANLAKE
FILE: Scn7_2028SP_14_948L_HansmanLake.out
CHNL# 561: [885L P]
448.82
-318.4
CHNL# 559: [9L27 P]
1233.9
-1287.
CHNL# 557: [9L966 P]
695.84
-590.3
CHNL# 555: [954L P]
80.652
-104.4
CHNL# 553: [9L20 P]
510.33
-905.0
CHNL# 551: [398L P]
120.51
-169.1
BRANCH P
WED, JAN 22 2025 9:15
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_14_948L_HANSMANLAKE

FILE: Scn7_2028SP_14_948L_HansmanLake.out

WED, JAN 22 2025 9:15

BRANCH Q

CHNL# 576: [1047L Q] 2386.5 -2723.
CHNL# 574: [749L Q] 256.02 -250.7
CHNL# 572: [715L Q] 482.80 -659.0
CHNL# 568: [948L Q] 809.32 -2428.
CHNL# 566: [7L224 Q] 35.005 -128.8
CHNL# 564: [748L Q] 52.206 -125.7

TIME (SECONDS)

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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_14_948L_HANSMANLAKE

FILE: Scn7_2028SP_14_948L_HansmanLake.out

WED, JAN 22 2025 9:15

BRANCH Q

CHNL# 584: [9L16 Q] 320.37 -733.7
CHNL# 582: [9L59 Q] 318.50 -46.44
CHNL# 580: [953L Q] 1017.3 -638.5

TIME (SECONDS)

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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_14_948L_HANSMANLAKE

FILE: Scn7_2028SP_14_948L_HansmanLake.out

WED, JAN 22 2025 9:15

BRANCH P

CHNL# 575: [1047L P] 908.78 -1132.
CHNL# 573: [749L P] 151.54 -205.1
CHNL# 571: [715L P] 238.01 -331.7
CHNL# 567: [948L P] 5000.0 -5000.
CHNL# 565: [7L224 P] 54.364 -92.75
CHNL# 563: [748L P] 39.507 -106.2

TIME (SECONDS)

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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_14_948L_HANSMANLAKE

FILE: Scn7_2028SP_14_948L_HansmanLake.out

WED, JAN 22 2025 9:15

BRANCH P

CHNL# 583: [9L16 P] 309.61 -348.6
CHNL# 581: [9L59 P] 3.3588 -193.0
CHNL# 579: [953L P] 322.21 -198.0

TIME (SECONDS)

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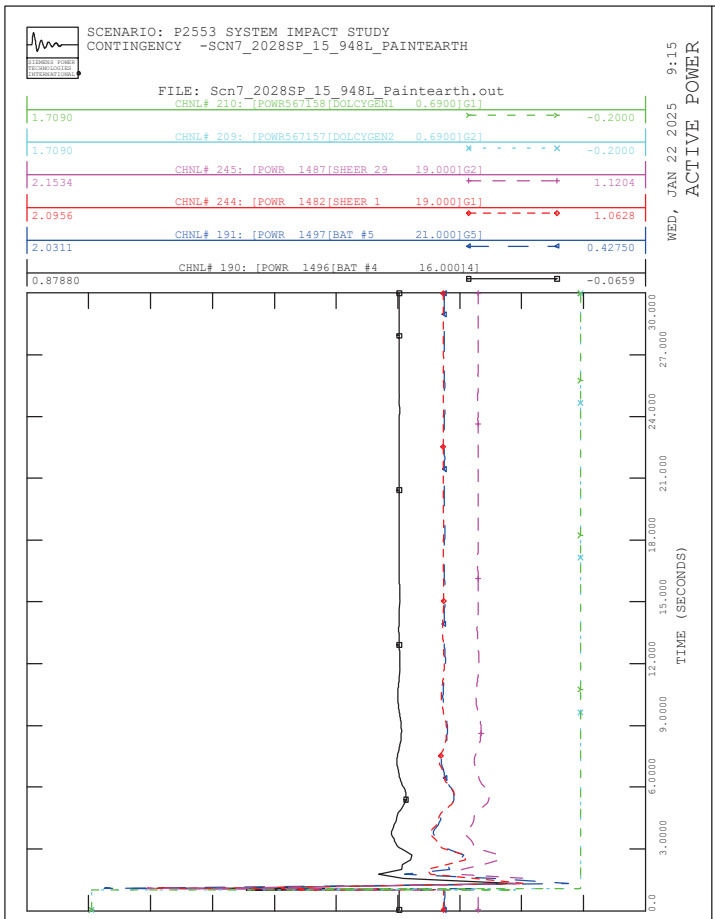
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_15_948L_PAINTEARTH
FILE: Scn7_2028SP_15_948L_Paintearth.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
1.7090
-0.2000
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
1.7090
-0.2000
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
2.1534
1.1204
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
2.0956
1.0628
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
2.0311
0.42750
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.87880
-0.0659
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
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6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
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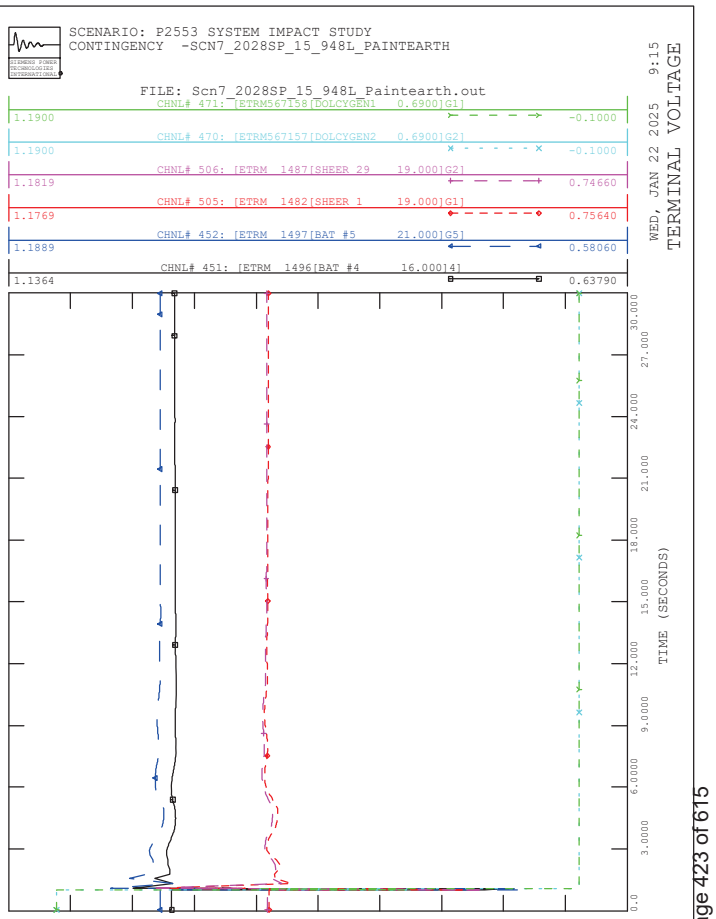
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_15_948L_PAINTEARTH
FILE: Scn7_2028SP_15_948L_Paintearth.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
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-0.1000
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.1900
-0.1000
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1819
0.74660
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1769
0.75640
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1889
0.58060
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1364
0.63790
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
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15.000
18.000
21.000
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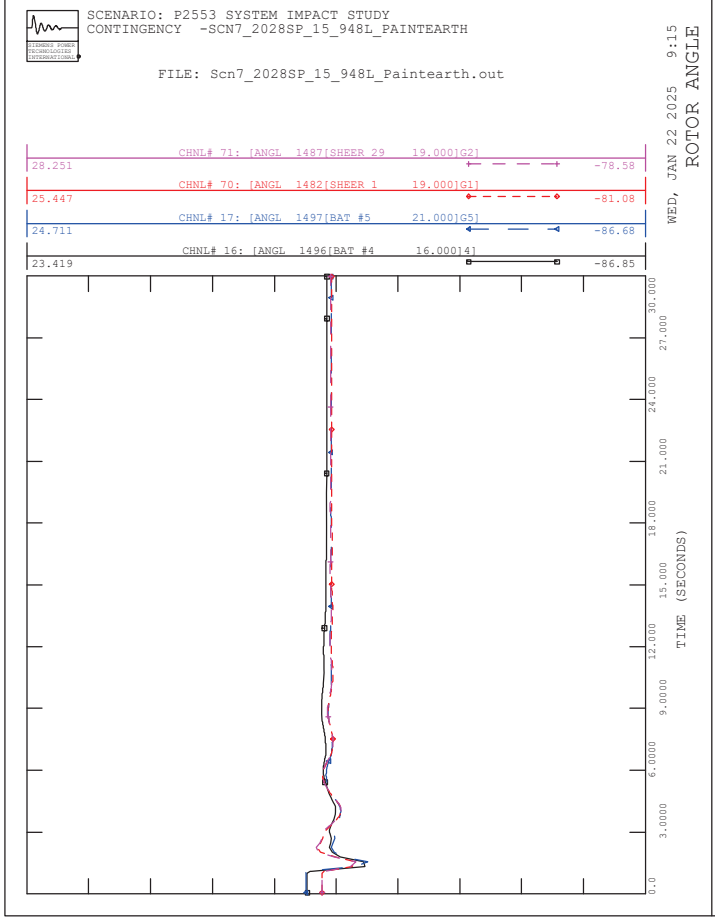
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_15_948L_PAINTEARTH
FILE: Scn7_2028SP_15_948L_Paintearth.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
28.251
-78.58
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
25.447
-81.08
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
24.711
-86.68
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
23.419
-86.85
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
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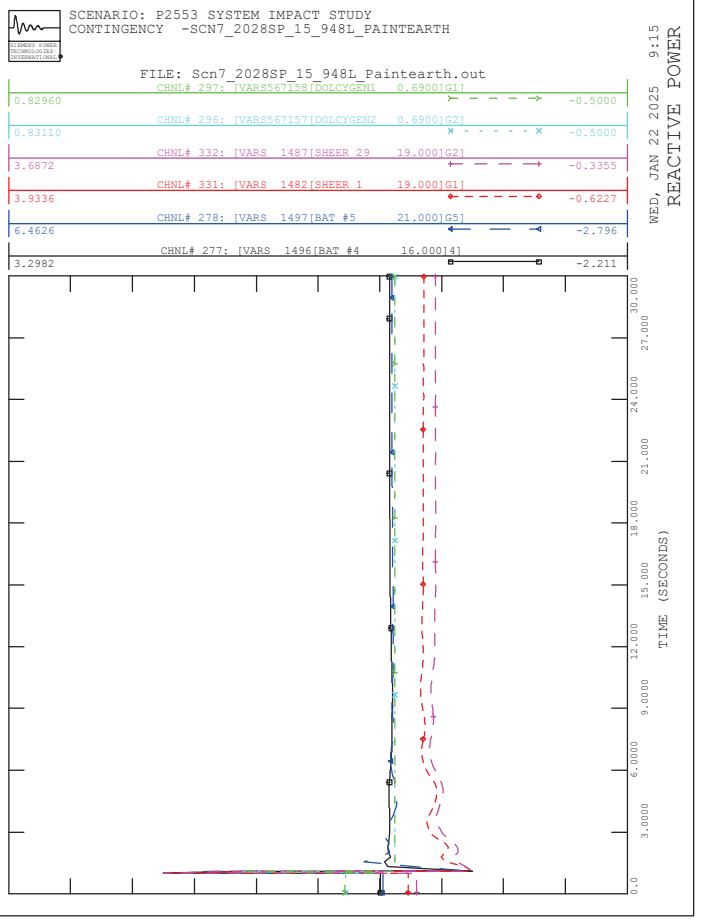
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000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CONTINGENCY -SCN7_2028SP_15_948L_PAINTEARTH
FILE: Scn7_2028SP_15_948L_Paintearth.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
0.82960
-0.5000
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
0.83110
-0.5000
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
3.6872
-0.3355
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
3.9336
-0.6227
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
6.4626
-2.796
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
3.2982
-2.211
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_15_948L_PAINTEARTH

FILE: Scn7_2028SP_15_948L_Paintearth.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.1710 -0.1000

CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.3613 0.30530

CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.2234 0.54760

CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2640 0.33770

CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.2643 -0.0900

CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.4292 0.26950

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_15_948L_PAINTEARTH

FILE: Scn7_2028SP_15_948L_Paintearth.out

WED, JAN 22 2025 9:15

BRANCH Q

CHNL# 562: [885L Q]
277.03 -187.5

CHNL# 560: [9L27 Q]
4380.7 -3141.

CHNL# 558: [9L966 Q]
1399.9 -1335.

CHNL# 556: [954L Q]
242.21 -339.8

CHNL# 554: [9L20 Q]
1329.3 -1027.

CHNL# 552: [398L Q]
57.279 -70.27

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_15_948L_PAINTEARTH

FILE: Scn7_2028SP_15_948L_Paintearth.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.3957 0.30790

CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.4140 0.27550

CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.4130 0.26890

CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.3960 0.29450

CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.4139 0.26920

CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.4802 0.25470

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_15_948L_PAINTEARTH

FILE: Scn7_2028SP_15_948L_Paintearth.out

WED, JAN 22 2025 9:15

BRANCH P

CHNL# 561: [885L P]
330.33 -201.0

CHNL# 559: [9L27 P]
1410.6 -1413.

CHNL# 557: [9L966 P]
428.04 -399.2

CHNL# 555: [954L P]
172.73 -230.7

CHNL# 553: [9L20 P]
717.94 -1053.

CHNL# 551: [398L P]
37.517 -56.55

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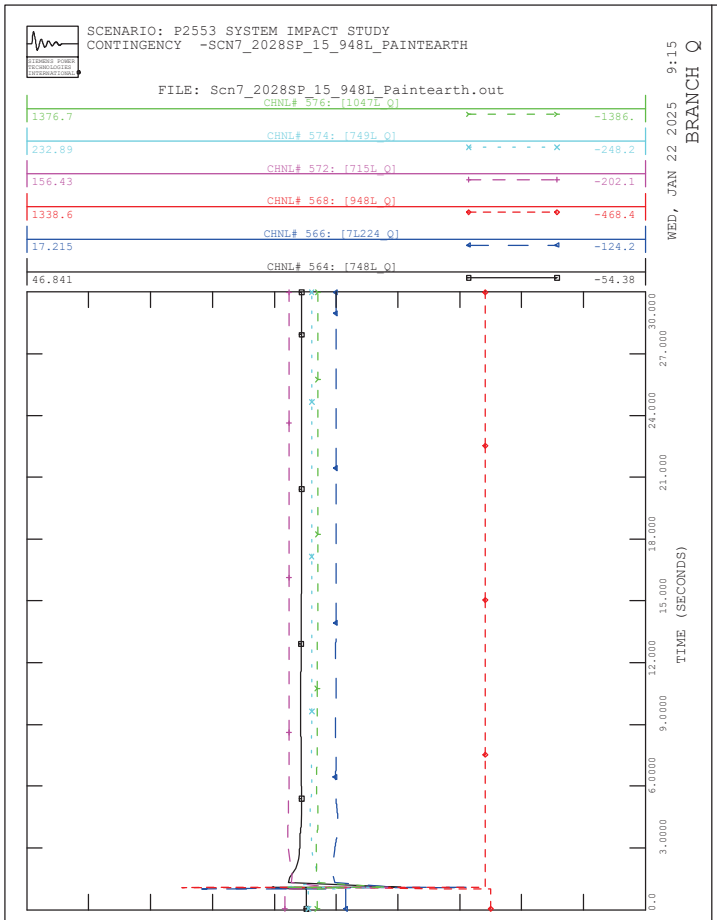
TIME (SECONDS)


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_15_948L_PAINTEARTH
FILE: Scn7_2028SP_15_948L_Paintearth.out
CHNL# 576: [1047L Q]
1376.7
-1386.
CHNL# 574: [749L Q]
232.89
-248.2
CHNL# 572: [715L Q]
156.43
-202.1
CHNL# 568: [948L Q]
1338.6
-468.4
CHNL# 566: [7L224 Q]
17.215
-124.2
CHNL# 564: [748L Q]
46.841
-54.38
0.0
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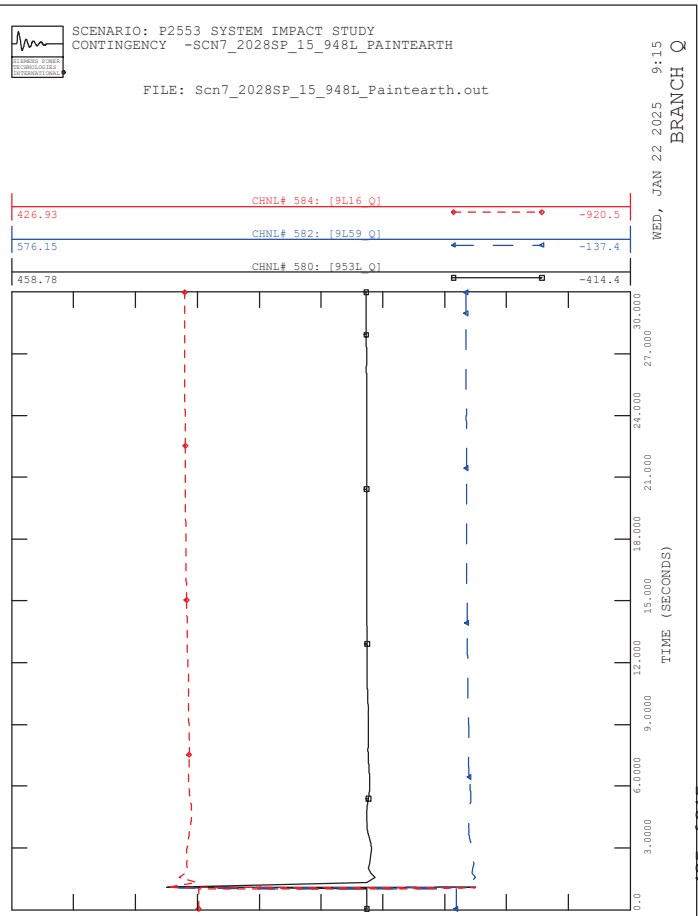
TIME (SECONDS)
WED, JAN 22 2025 9:15
BRANCH Q


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_15_948L_PAINTEARTH
FILE: Scn7_2028SP_15_948L_Paintearth.out
CHNL# 584: [9L16 Q]
426.93
-920.5
CHNL# 582: [9L59 Q]
576.15
-137.4
CHNL# 580: [953L Q]
458.78
-414.4
0.0
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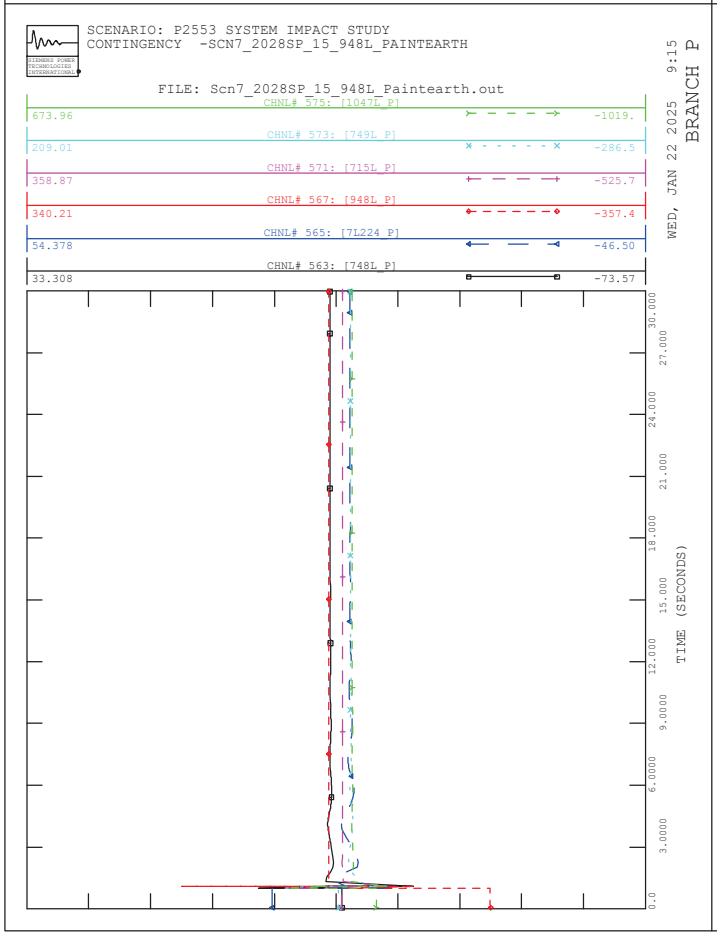
TIME (SECONDS)
WED, JAN 22 2025 9:15
BRANCH Q


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_15_948L_PAINTEARTH
FILE: Scn7_2028SP_15_948L_Paintearth.out
CHNL# 575: [1047L P]
673.96
-1019.
CHNL# 573: [749L P]
209.01
-286.5
CHNL# 571: [715L P]
358.87
-525.7
CHNL# 567: [948L P]
340.21
-357.4
CHNL# 565: [7L224 P]
54.378
-46.50
CHNL# 563: [748L P]
33.308
-73.57
0.0
3.0000
6.0000
9.0000
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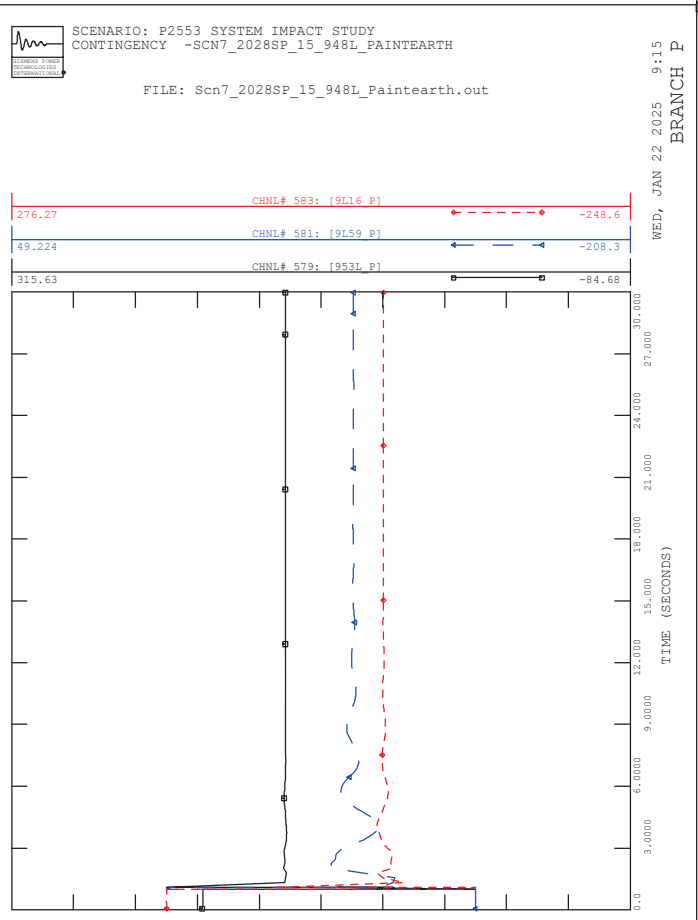
TIME (SECONDS)
WED, JAN 22 2025 9:15
BRANCH P


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_15_948L_PAINTEARTH
FILE: Scn7_2028SP_15_948L_Paintearth.out
CHNL# 583: [9L16 P]
276.27
-248.6
CHNL# 581: [9L59 P]
49.224
-208.3
CHNL# 579: [953L P]
315.63
-84.68
0.0
3.0000
6.0000
9.0000
12.000
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21.000
24.000
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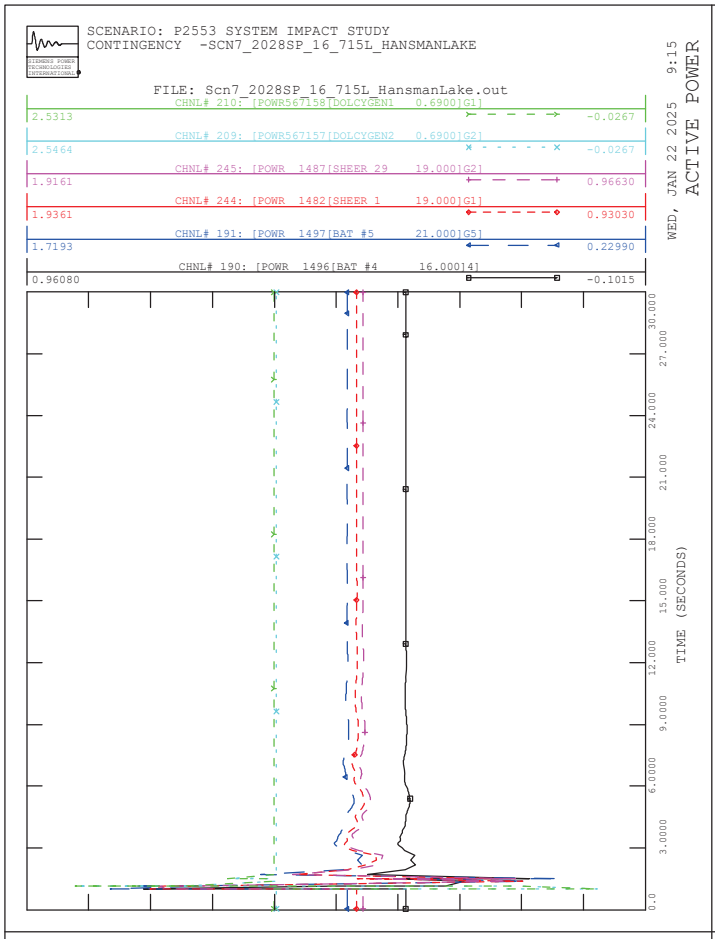
TIME (SECONDS)
WED, JAN 22 2025 9:15
BRANCH P


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_16_715L_HANSMANLAKE
FILE: Scn7_2028SP_16_715L_HansmanLake.out
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2.5313
-0.0267
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.5464
-0.0267
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.9161
0.96630
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.9361
0.93030
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.7193
0.22990
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.96080
-0.1015
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
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18.000
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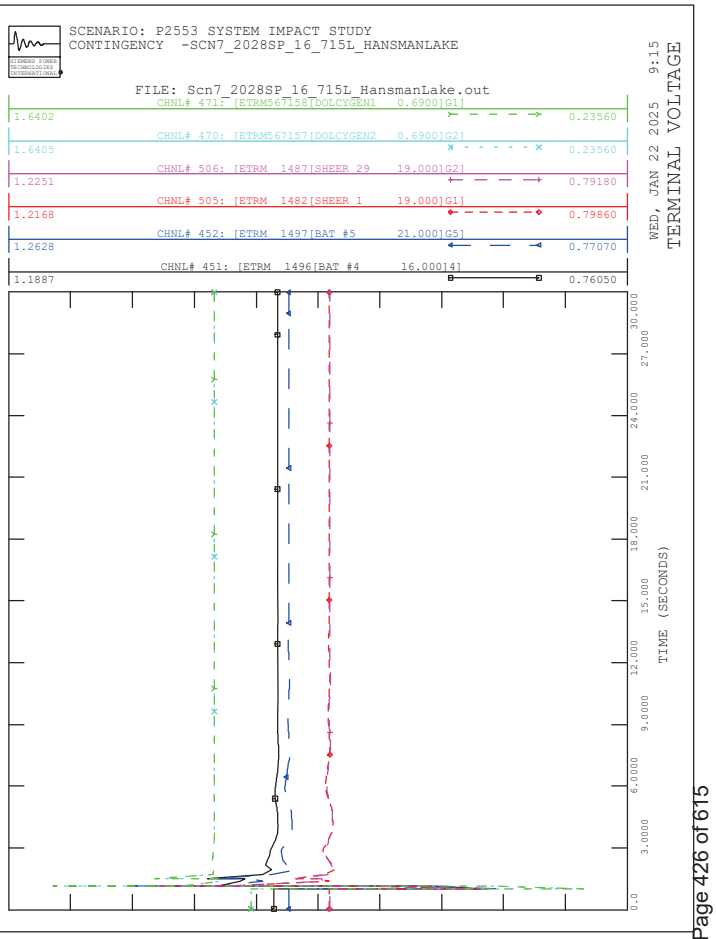
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_16_715L_HANSMANLAKE
FILE: Scn7_2028SP_16_715L_HansmanLake.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.6402
0.23560
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.6405
0.23560
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.2251
0.79180
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.2168
0.79860
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.2628
0.77070
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1887
0.76050
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
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3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
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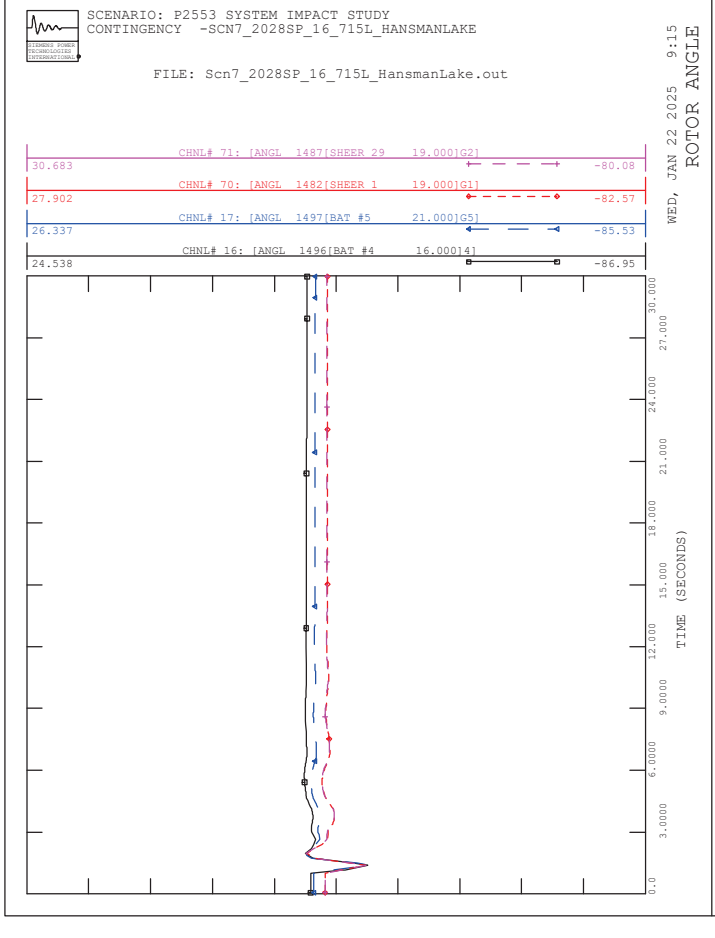
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_16_715L_HANSMANLAKE
FILE: Scn7_2028SP_16_715L_HansmanLake.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
30.683
-80.08
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
27.902
-82.57
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
26.337
-85.53
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
24.538
-86.95
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
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3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
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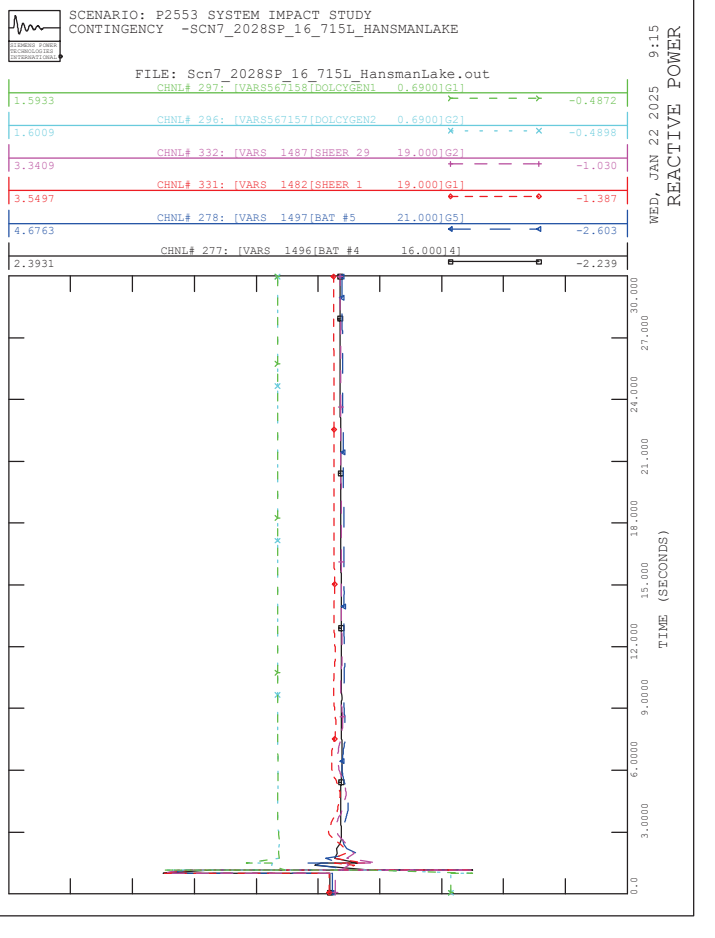
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_16_715L_HANSMANLAKE
FILE: Scn7_2028SP_16_715L_HansmanLake.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.5933
-0.4872
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.6009
-0.4898
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
3.3409
-1.030
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
3.5497
-1.387
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
4.6763
-2.603
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
2.3931
-2.239
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
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3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
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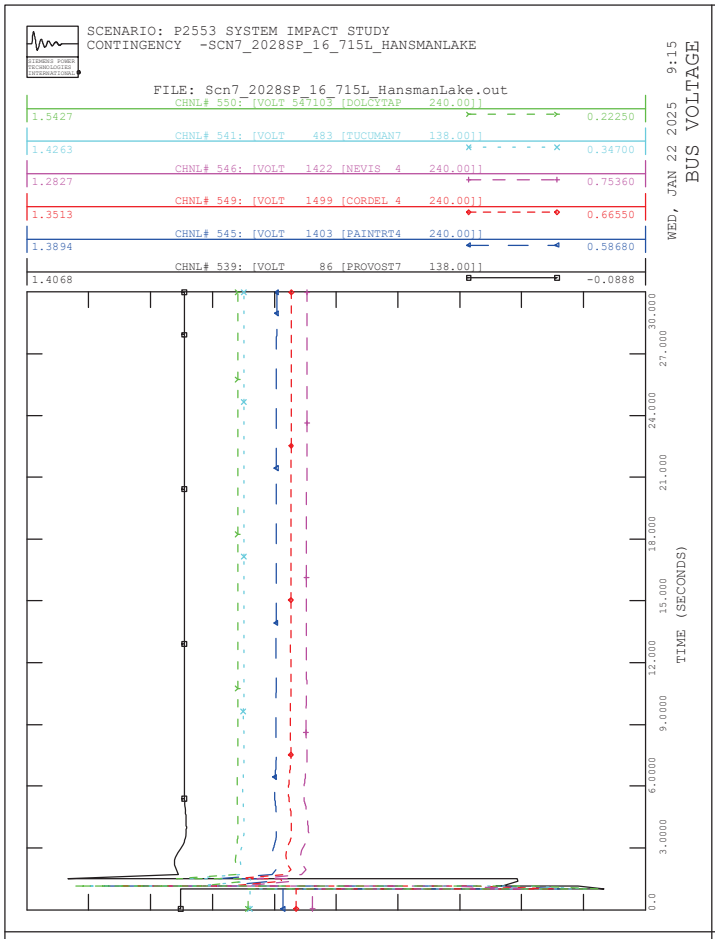
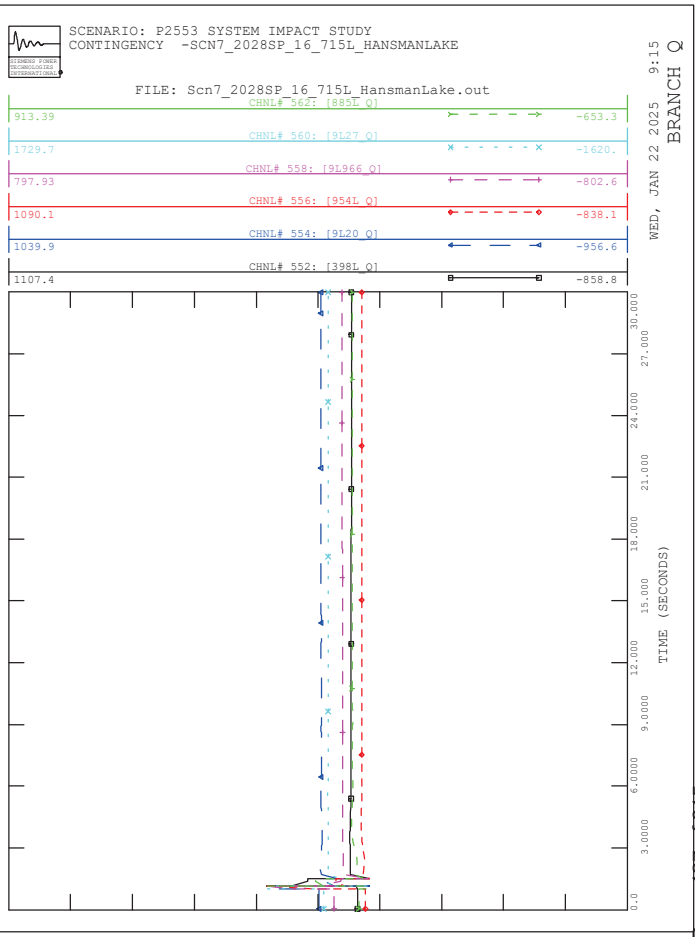
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_16_715L_HANSMANLAKE
FILE: Scn7_2028SP_16_715L_HansmanLake.out
CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.5427
0.22250
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.4263
0.34700
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.2827
0.75360
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.3513
0.66550
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.3894
0.58680
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.4068
-0.0888
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_16_715L_HANSMANLAKE
FILE: Scn7_2028SP_16_715L_HansmanLake.out
CHNL# 562: [885L Q]
913.39
-653.3
CHNL# 560: [9L27 Q]
1729.7
-1620.
CHNL# 558: [9L966 Q]
797.93
-802.6
CHNL# 556: [954L Q]
1090.1
-838.1
CHNL# 554: [9L20 Q]
1039.9
-956.6
CHNL# 552: [398L Q]
1107.4
-858.8
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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6.0000
9.0000
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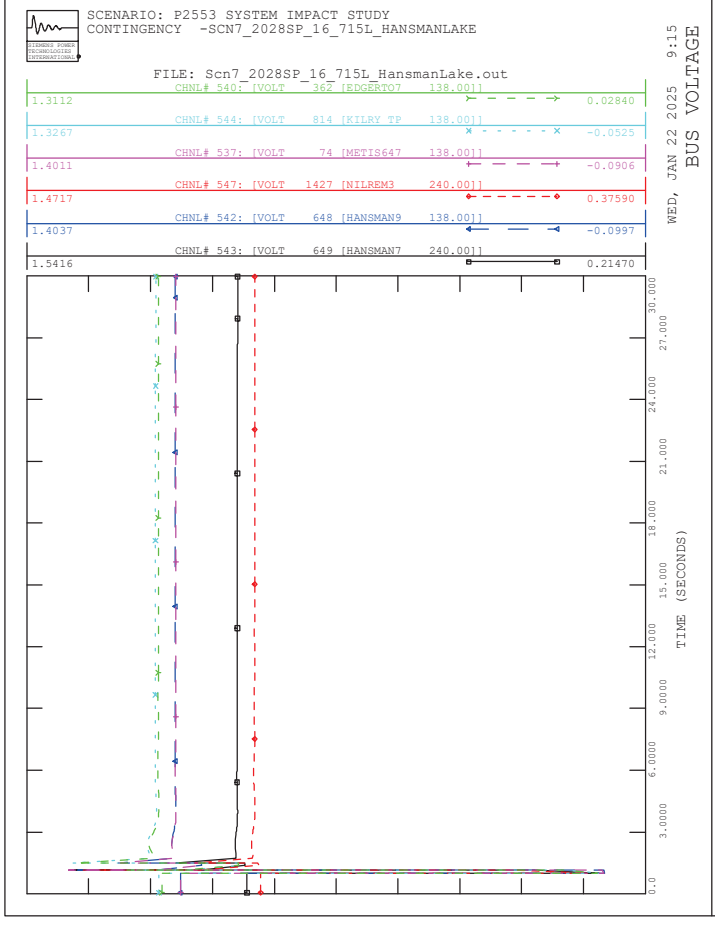
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_16_715L_HANSMANLAKE
FILE: Scn7_2028SP_16_715L_HansmanLake.out
CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.3112
0.02840
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.3267
-0.0525
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.4011
-0.0906
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.4717
0.37590
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.4037
-0.0997
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.5416
0.21470
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
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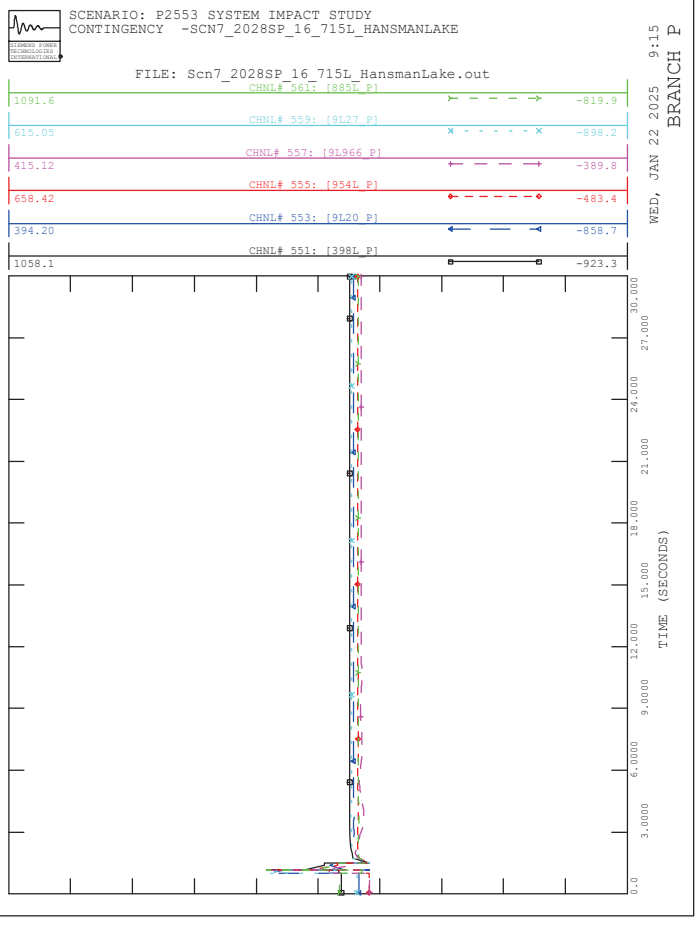
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_16_715L_HANSMANLAKE
FILE: Scn7_2028SP_16_715L_HansmanLake.out
CHNL# 561: [885L P]
1091.6
-819.9
CHNL# 559: [9L27 P]
615.05
-898.2
CHNL# 557: [9L966 P]
415.12
-389.8
CHNL# 555: [954L P]
658.42
-483.4
CHNL# 553: [9L20 P]
394.20
-858.7
CHNL# 551: [398L P]
1058.1
-923.3
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_16_715L_HANSMANLAKE

FILE: Scn7_2028SP_16_715L_HansmanLake.out

WED, JAN 22 2025 9:15 BRANCH Q

CHNL# 576: [1047L Q] 1472.5 -1540.
CHNL# 574: [749L Q] 1435.5 -1093.
CHNL# 572: [715L Q] 2581.7 -1844.
CHNL# 568: [948L Q] 101.04 -307.2
CHNL# 566: [7L224 Q] 64.674 -194.3
CHNL# 564: [748L Q] 604.59 -245.1

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_16_715L_HANSMANLAKE

FILE: Scn7_2028SP_16_715L_HansmanLake.out

WED, JAN 22 2025 9:15 BRANCH Q

CHNL# 584: [9L16 Q] 438.30 -613.6
CHNL# 582: [9L59 Q] 194.45 -9.263
CHNL# 580: [953L Q] 512.56 -532.4

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_16_715L_HANSMANLAKE

FILE: Scn7_2028SP_16_715L_HansmanLake.out

WED, JAN 22 2025 9:15 BRANCH P

CHNL# 575: [1047L P] 722.92 -1070.
CHNL# 573: [749L P] 1850.3 -1588.
CHNL# 571: [715L P] 5000.0 -5000.
CHNL# 567: [948L P] 163.63 -626.1
CHNL# 565: [7L224 P] 86.017 -192.2
CHNL# 563: [748L P] 502.76 -317.6

TIME (SECONDS)

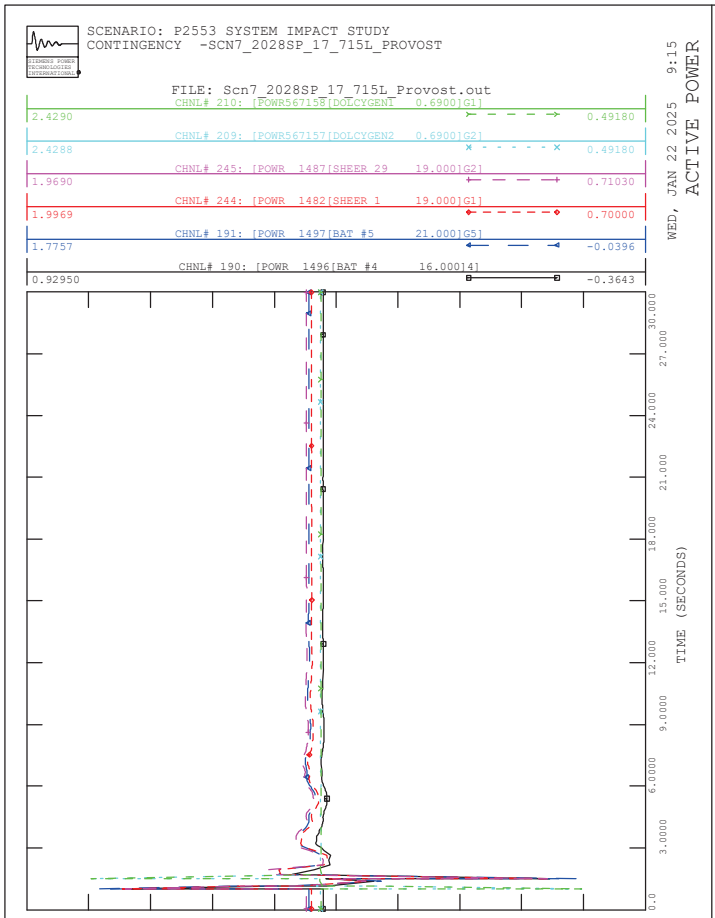
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_16_715L_HANSMANLAKE

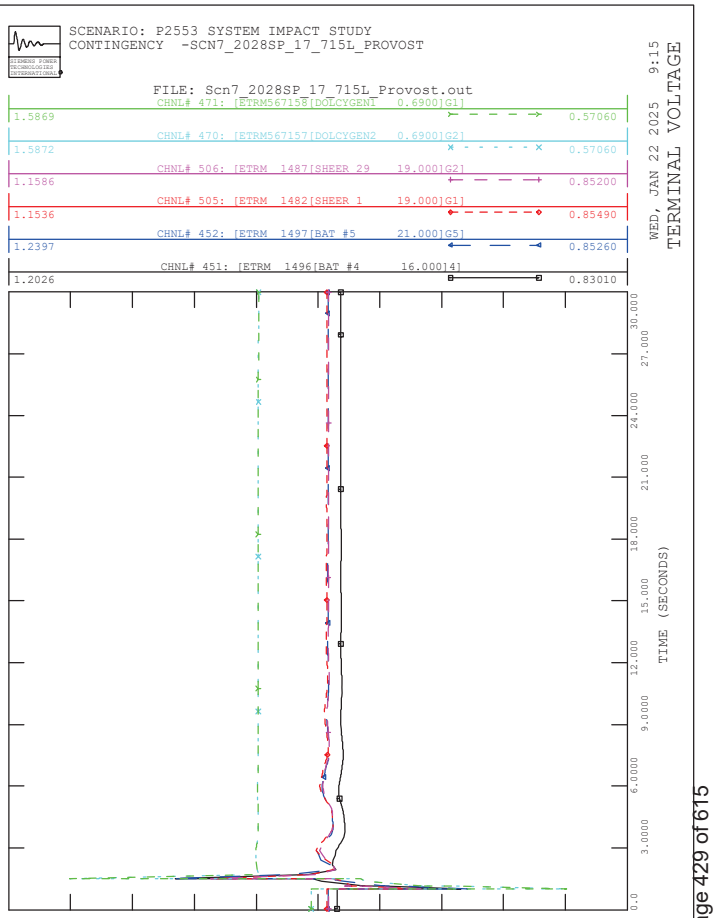
FILE: Scn7_2028SP_16_715L_HansmanLake.out

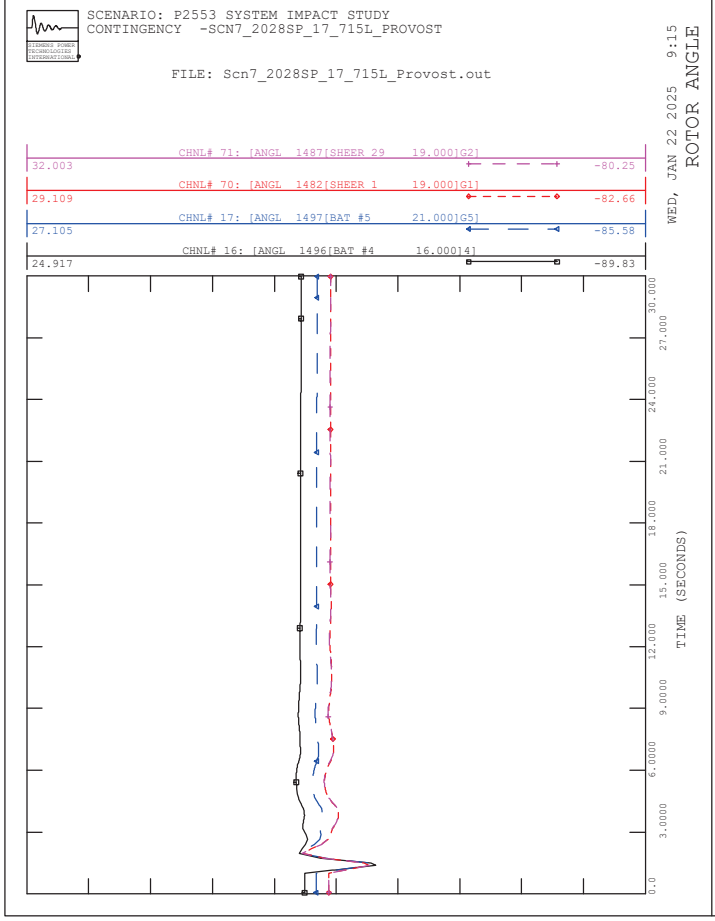
WED, JAN 22 2025 9:15 BRANCH P

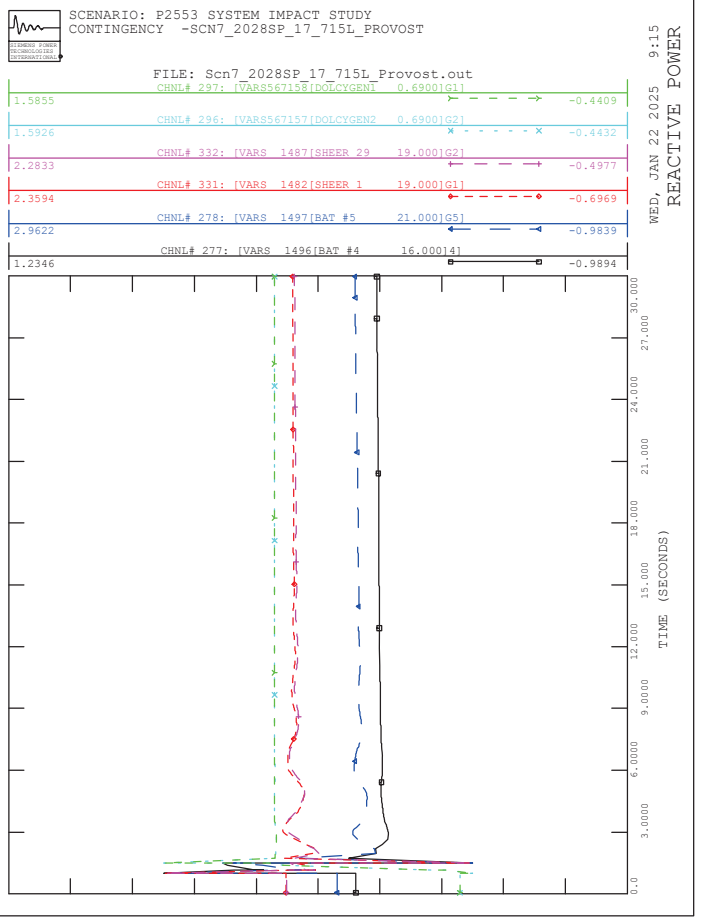
CHNL# 583: [9L16 P] 270.20 -230.4
CHNL# 581: [9L59 P] -24.44 -198.9
CHNL# 579: [953L P] 352.19 -156.5

TIME (SECONDS)


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_17_715L_PROVOST
FILE: Scn7_2028SP_17_715L_Provost.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.4290
0.49180
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.4288
0.49180
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.9690
0.71030
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.9969
0.70000
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.7757
-0.0396
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.92950
-0.3643
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_17_715L_PROVOST
FILE: Scn7_2028SP_17_715L_Provost.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.5869
0.57060
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.5872
0.57060
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1586
0.85200
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1536
0.85490
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.2397
0.85260
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.2026
0.83010
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_17_715L_PROVOST
FILE: Scn7_2028SP_17_715L_Provost.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
32.003
-80.25
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
29.109
-82.66
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
27.105
-85.58
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
24.917
-89.83
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_17_715L_PROVOST
FILE: Scn7_2028SP_17_715L_Provost.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.5855
-0.4409
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.5926
-0.4432
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
2.2833
-0.4977
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
2.3594
-0.6969
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
2.9622
-0.9839
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
1.2346
-0.9894
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_17_715L_PROVOST

FILE: Scn7_2028SP_17_715L_Provost.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]] 1.4865 0.55620
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]] 1.3734 0.61560
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]] 1.2366 0.84940
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]] 1.2953 0.80610
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]] 1.3310 0.76380
CHNL# 539: [VOLT 86 [PROVOST7 138.00]] 1.4476 -0.0993

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_17_715L_PROVOST

FILE: Scn7_2028SP_17_715L_Provost.out

WED, JAN 22 2025 9:15

BRANCH Q

CHNL# 562: [885L Q] 1172.5 -1458.
CHNL# 560: [9L27 Q] 1193.0 -1147.
CHNL# 558: [9L966 Q] 794.19 -874.0
CHNL# 556: [954L Q] 1033.1 -774.5
CHNL# 554: [9L20 Q] 699.38 -643.1
CHNL# 552: [398L Q] 281.53 -229.4

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_17_715L_PROVOST

FILE: Scn7_2028SP_17_715L_Provost.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]] 1.4055 0.33670
CHNL# 544: [VOLT 814 [KILRY TP 138.00]] 1.4246 0.27770
CHNL# 537: [VOLT 74 [METIS647 138.00]] 1.4154 0.35490
CHNL# 547: [VOLT 1427 [NILREM3 240.00]] 1.4057 0.64070
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]] 1.4160 0.35190
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]] 1.4855 0.55110

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_17_715L_PROVOST

FILE: Scn7_2028SP_17_715L_Provost.out

WED, JAN 22 2025 9:15

BRANCH P

CHNL# 561: [885L P] 652.81 -749.2
CHNL# 559: [9L27 P] 526.37 -903.4
CHNL# 557: [9L966 P] 148.60 -213.5
CHNL# 555: [954L P] 371.12 -276.2
CHNL# 553: [9L20 P] 208.44 -746.4
CHNL# 551: [398L P] 267.19 -316.0

TIME (SECONDS)

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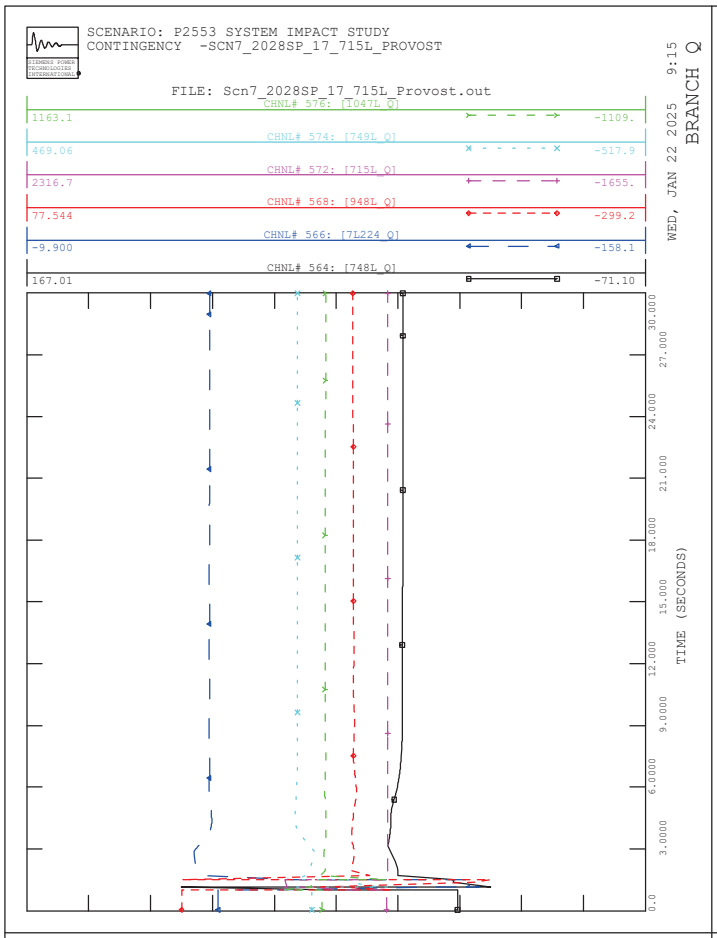
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CONTINGENCY -SCN7_2028SP_17_715L_PROVOST
FILE: Scn7_2028SP_17_715L_Provost.out
CHNL# 576: [1047L Q]
1163.1
-1109.
CHNL# 574: [749L Q]
469.06
-517.9
CHNL# 572: [715L Q]
2316.7
-1655.
CHNL# 568: [948L Q]
77.544
-299.2
CHNL# 566: [7L224 Q]
-9.900
-158.1
CHNL# 564: [748L Q]
167.01
-71.10
BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
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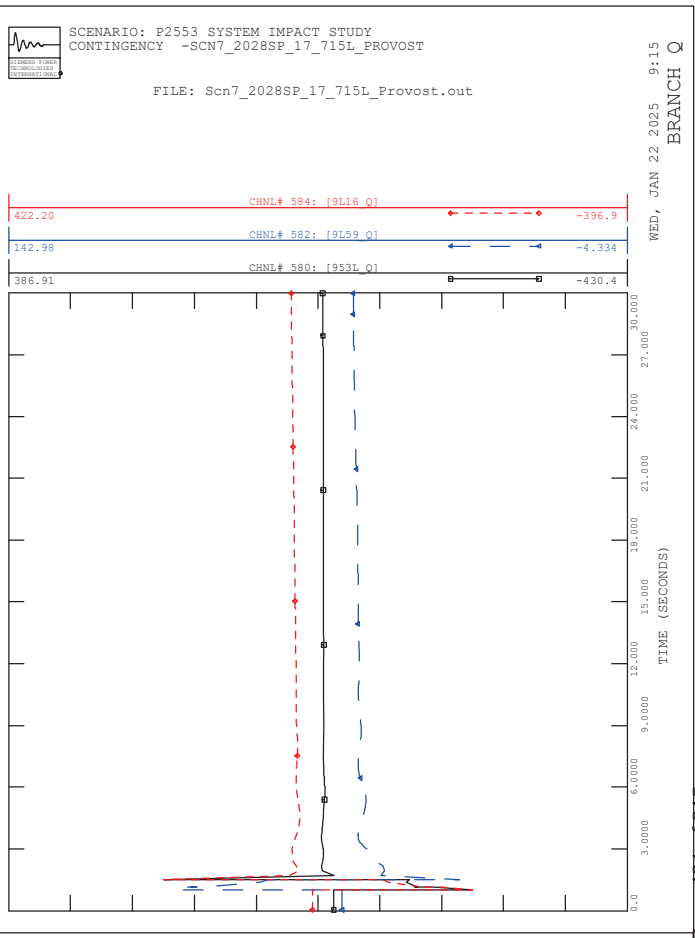
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_17_715L_PROVOST
FILE: Scn7_2028SP_17_715L_Provost.out
CHNL# 584: [9L16 Q]
422.20
-396.9
CHNL# 582: [9L59 Q]
142.98
-4.334
CHNL# 580: [953L Q]
386.91
-430.4
BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
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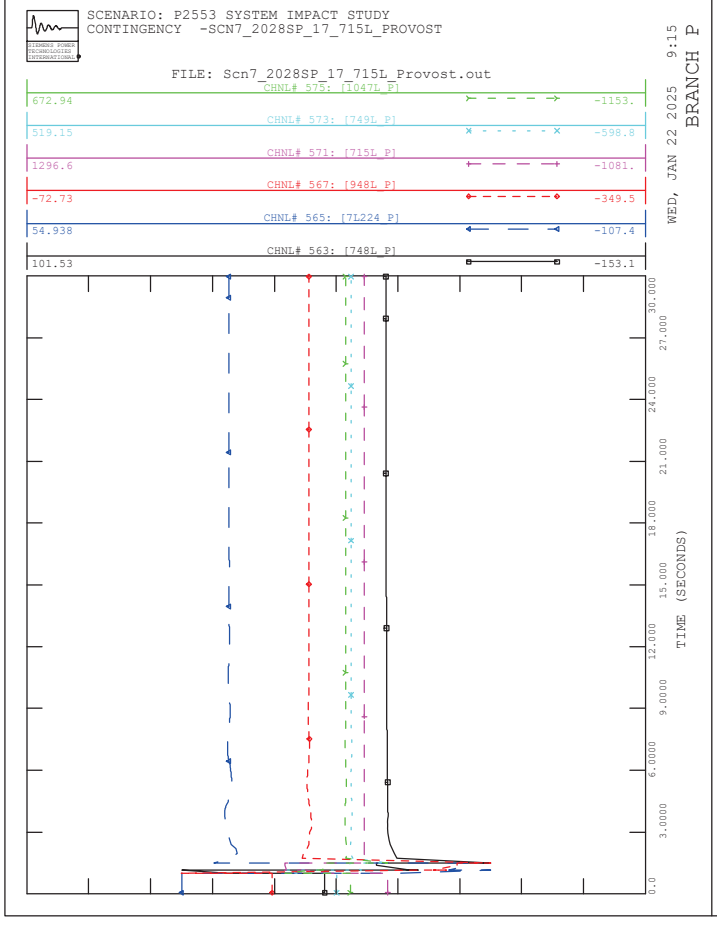
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_17_715L_PROVOST
FILE: Scn7_2028SP_17_715L_Provost.out
CHNL# 575: [1047L P]
672.94
-1153.
CHNL# 573: [749L P]
519.15
-598.8
CHNL# 571: [715L P]
1296.6
-1081.
CHNL# 567: [948L P]
-72.73
-349.5
CHNL# 565: [7L224 P]
54.938
-107.4
CHNL# 563: [748L P]
101.53
-153.1
BRANCH P
WED, JAN 22 2025 9:15
TIME (SECONDS)
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3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
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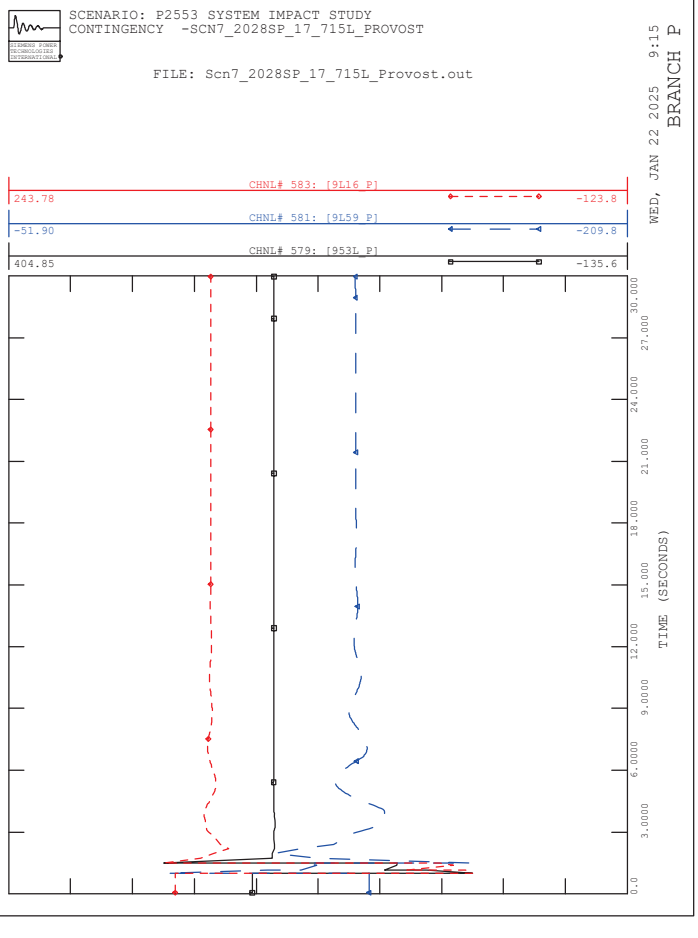
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_17_715L_PROVOST
FILE: Scn7_2028SP_17_715L_Provost.out
CHNL# 583: [9L16 P]
243.78
-123.8
CHNL# 581: [9L59 P]
-51.90
-209.8
CHNL# 579: [953L P]
404.85
-135.6
BRANCH P
WED, JAN 22 2025 9:15
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_18_9L666_HANSMANLAKE

FILE: Scn7_2028SP_18_9L666_HansmanLake.out

WED, JAN 22 2025 9:15

ACTIVE POWER

CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1] 1.9539 -0.1987
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2] 1.9679 -0.1987
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2] 2.0994 0.87020
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1] 2.0187 0.85070
CHNL# 191: [POWR 1497[BAT #5 21.000]G5] 2.0235 0.39930
CHNL# 190: [POWR 1496[BAT #4 16.000]4] 0.98710 -0.1164

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_18_9L666_HANSMANLAKE

FILE: Scn7_2028SP_18_9L666_HansmanLake.out

WED, JAN 22 2025 9:15

TERMINAL VOLTAGE

CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1] 1.7840 -0.0713
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2] 1.7846 -0.0713
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2] 1.2021 0.74970
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1] 1.1947 0.75920
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5] 1.2387 0.71220
CHNL# 451: [ETRM 1496[BAT #4 16.000]4] 1.1638 0.71730

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_18_9L666_HANSMANLAKE

FILE: Scn7_2028SP_18_9L666_HansmanLake.out

WED, JAN 22 2025 9:15

ROTOR ANGLE

CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2] 29.544 -77.52
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1] 26.624 -80.05
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5] 25.767 -80.44
CHNL# 16: [ANGL 1496[BAT #4 16.000]4] 24.343 -82.91

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_18_9L666_HANSMANLAKE

FILE: Scn7_2028SP_18_9L666_HansmanLake.out

WED, JAN 22 2025 9:15

REACTIVE POWER

CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1] 3.2368 -1.075
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2] 3.2536 -1.081
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2] 3.7960 -0.8290
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1] 4.0636 -1.189
CHNL# 278: [VARS 1497[BAT #5 21.000]G5] 5.6337 -3.506
CHNL# 277: [VARS 1496[BAT #4 16.000]4] 2.9348 -2.690

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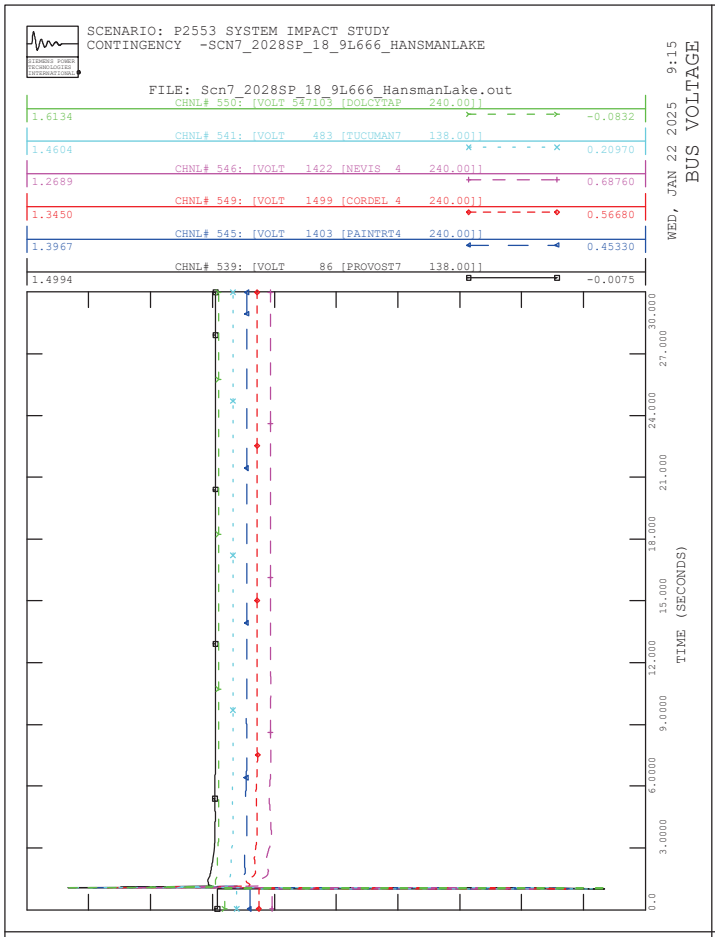
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CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.4604
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CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.2689
0.68760
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.3450
0.56680
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
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CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
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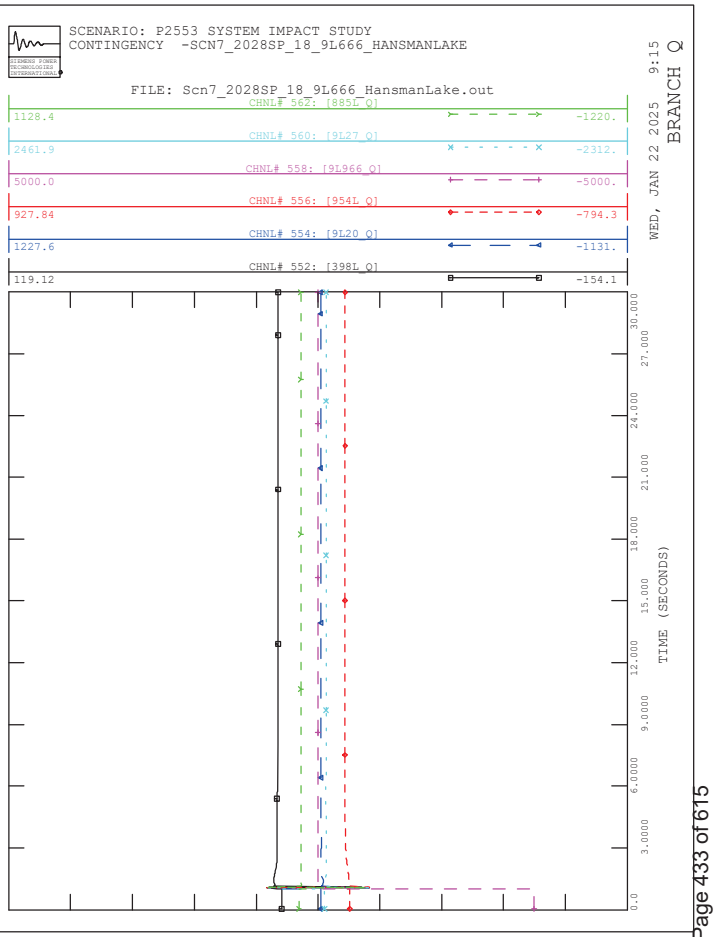
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-1220.
CHNL# 560: [9L27 Q]
2461.9
-2312.
CHNL# 558: [9L966 Q]
5000.0
-5000.
CHNL# 556: [954L Q]
927.84
-794.3
CHNL# 554: [9L20 Q]
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-1131.
CHNL# 552: [398L Q]
119.12
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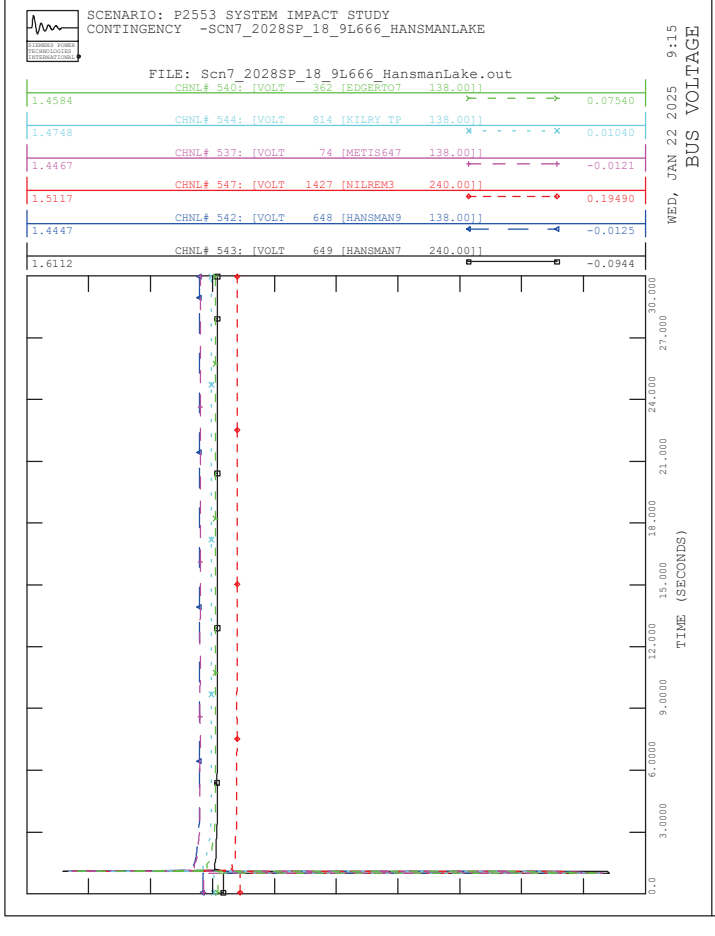
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1.4584
0.07540
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.4748
0.01040
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.4467
-0.0121
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.5117
0.19490
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.4447
-0.0125
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.6112
-0.0944
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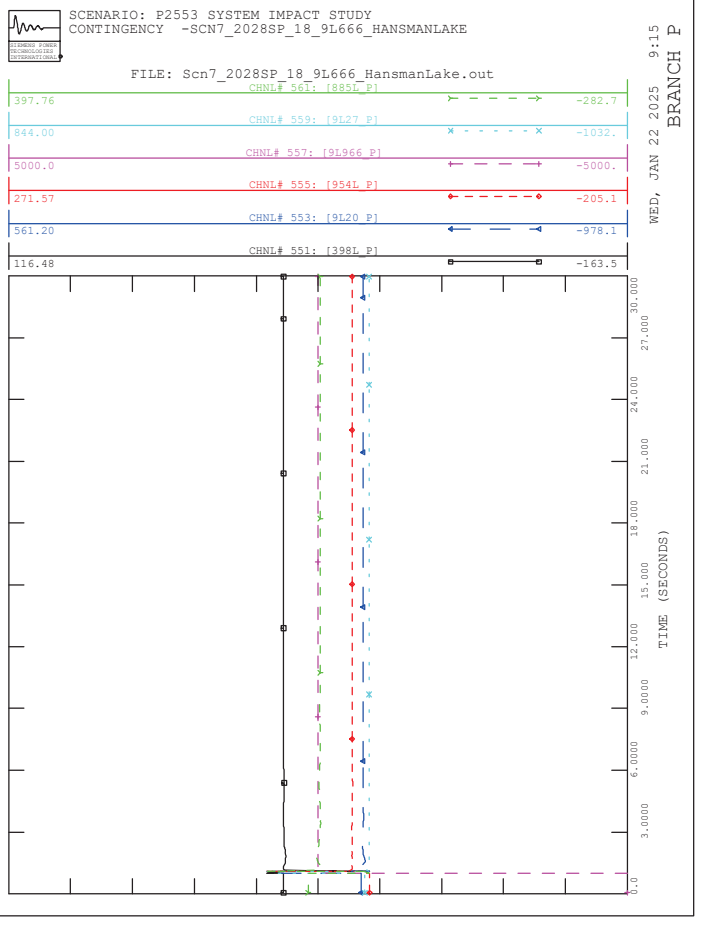
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CHNL# 559: [9L27 P]
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-1032.
CHNL# 557: [9L966 P]
5000.0
-5000.
CHNL# 555: [954L P]
271.57
-205.1
CHNL# 553: [9L20 P]
561.20
-978.1
CHNL# 551: [398L P]
116.48
-163.5
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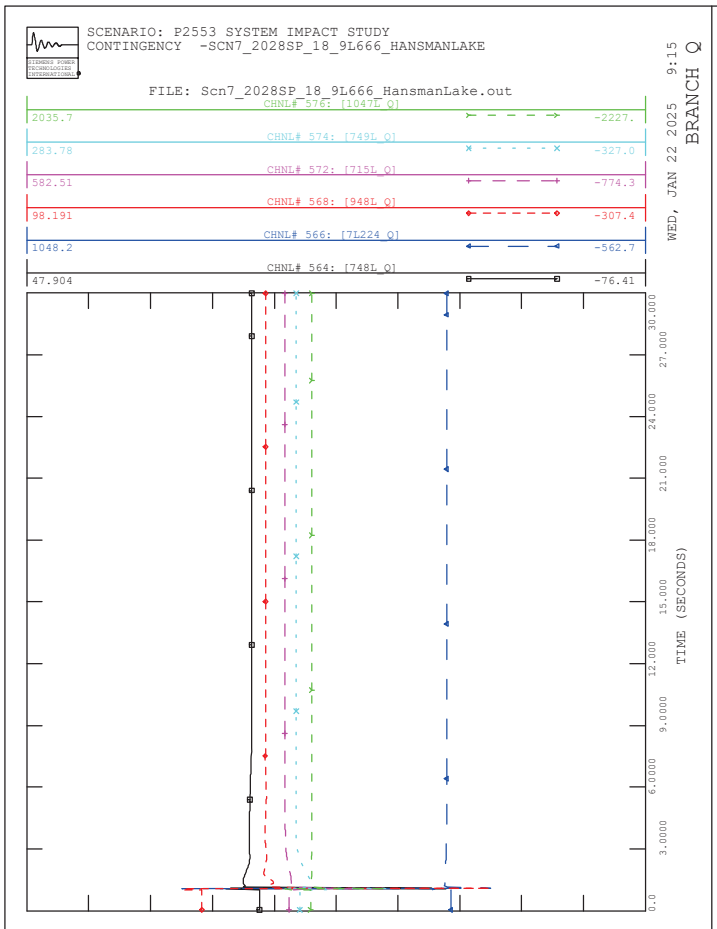
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CHNL# 574: [749L Q]
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-327.0
CHNL# 572: [715L Q]
582.51
-774.3
CHNL# 568: [948L Q]
98.191
-307.4
CHNL# 566: [7L224 Q]
1048.2
-562.7
CHNL# 564: [748L Q]
47.904
-76.41
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BRANCH Q
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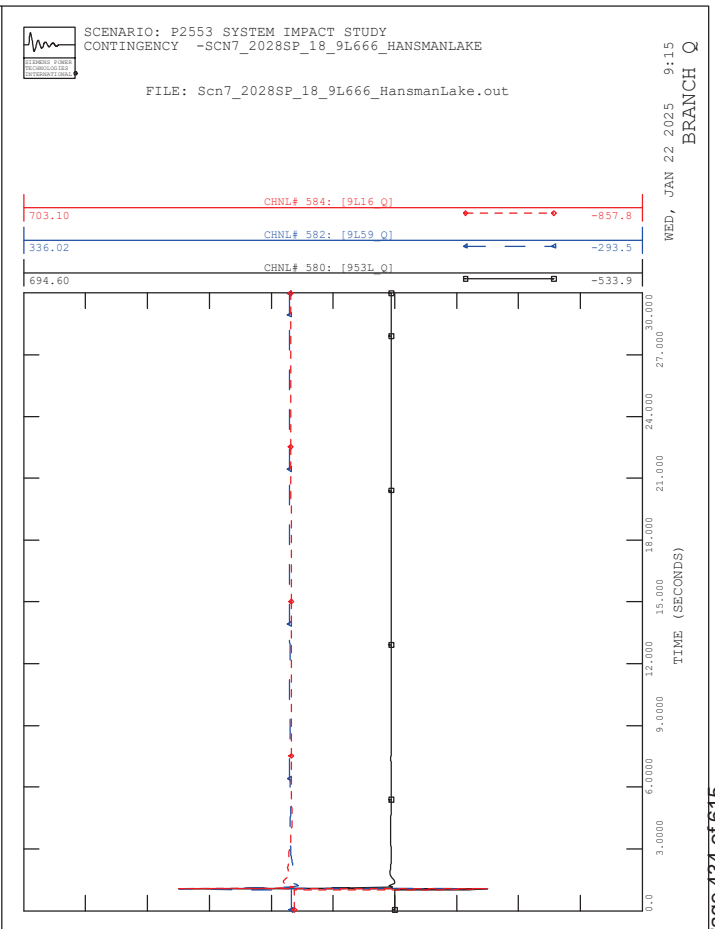
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CHNL# 582: [9L59 Q]
336.02
-293.5
CHNL# 580: [953L Q]
694.60
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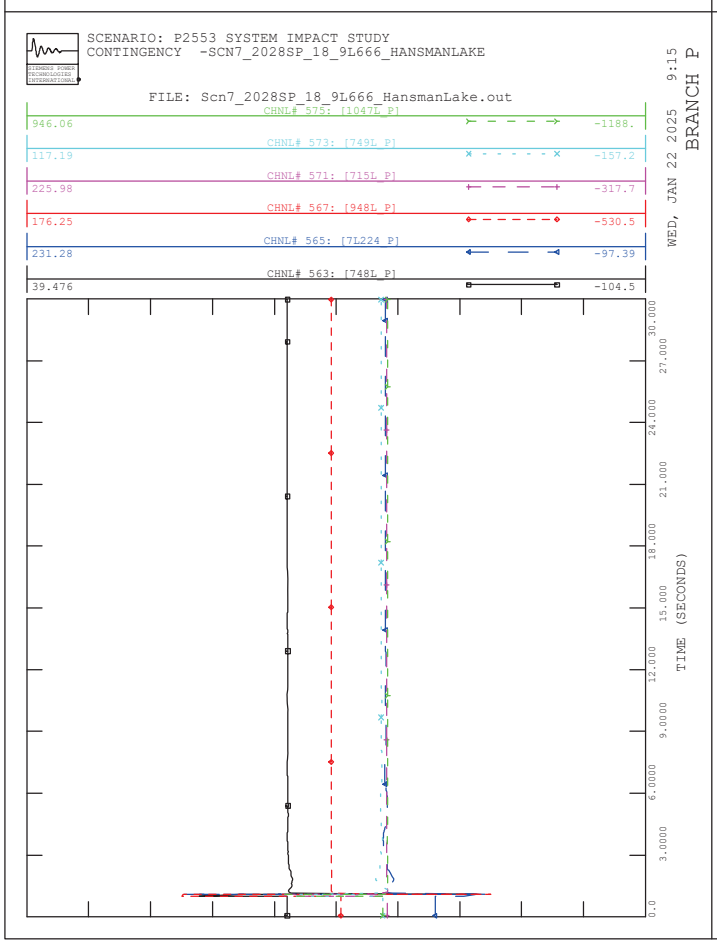
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CHNL# 573: [749L P]
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-157.2
CHNL# 571: [715L P]
225.98
-317.7
CHNL# 567: [948L P]
176.25
-530.5
CHNL# 565: [7L224 P]
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CHNL# 563: [748L P]
39.476
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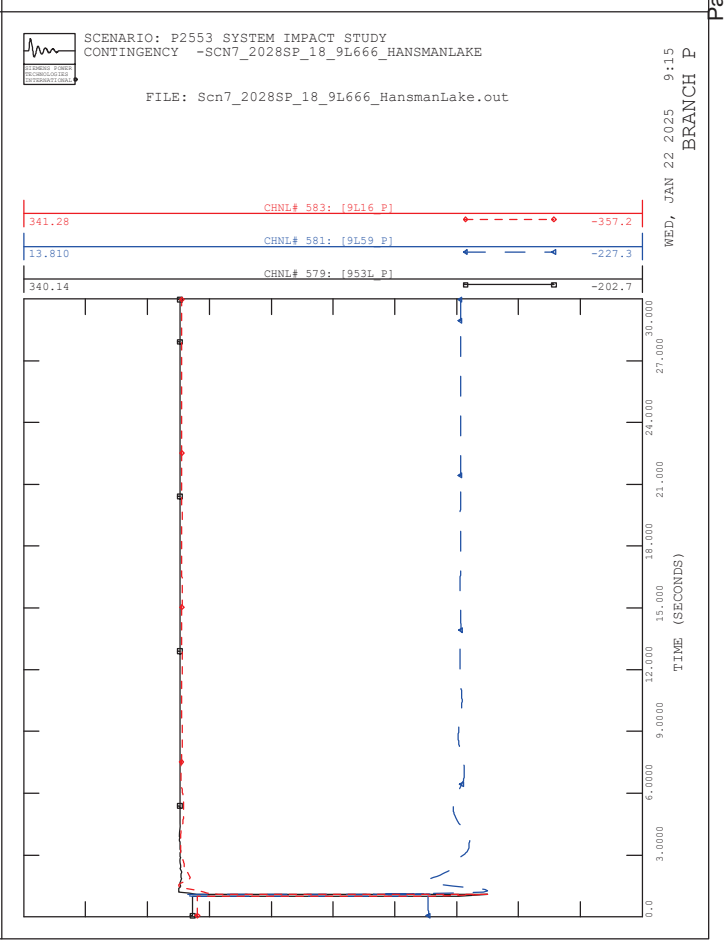
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341.28
-357.2
CHNL# 581: [9L59 P]
13.810
-227.3
CHNL# 579: [953L P]
340.14
-202.7
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_19_9L666_PEMUKAN

FILE: Scn7_2028SP_19_9L666_Pemukan.out

WED, JAN 22 2025 9:15

ACTIVE POWER

CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1] 2.6020 -0.0386
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2] 2.6172 -0.0386
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2] 2.1824 0.87740
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1] 2.0801 0.88500
CHNL# 191: [POWR 1497[BAT #5 21.000]G5] 1.7572 0.49250
CHNL# 190: [POWR 1496[BAT #4 16.000]4] 0.96370 -0.1711

TIME (SECONDS)

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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_19_9L666_PEMUKAN

FILE: Scn7_2028SP_19_9L666_Pemukan.out

WED, JAN 22 2025 9:15

TERMINAL VOLTAGE

CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1] 1.6573 0.22390
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2] 1.6575 0.22390
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2] 1.1848 0.74260
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1] 1.1794 0.75250
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5] 1.2418 0.76490
CHNL# 451: [ETRM 1496[BAT #4 16.000]4] 1.1789 0.76110

TIME (SECONDS)

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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_19_9L666_PEMUKAN

FILE: Scn7_2028SP_19_9L666_Pemukan.out

WED, JAN 22 2025 9:15

ROTOR ANGLE

CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2] 29.098 -77.26
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1] 26.209 -79.70
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5] 25.852 -79.44
CHNL# 16: [ANGL 1496[BAT #4 16.000]4] 24.361 -81.40

TIME (SECONDS)

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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_19_9L666_PEMUKAN

FILE: Scn7_2028SP_19_9L666_Pemukan.out

WED, JAN 22 2025 9:15

REACTIVE POWER

CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1] 1.4364 -0.4683
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2] 1.4406 -0.4683
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2] 3.8052 -0.6182
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1] 4.1103 -1.059
CHNL# 278: [VARS 1497[BAT #5 21.000]G5] 4.6941 -2.460
CHNL# 277: [VARS 1496[BAT #4 16.000]4] 2.3206 -2.040

TIME (SECONDS)

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SCENARIO: P2553 SYSTEM IMPACT STUDY
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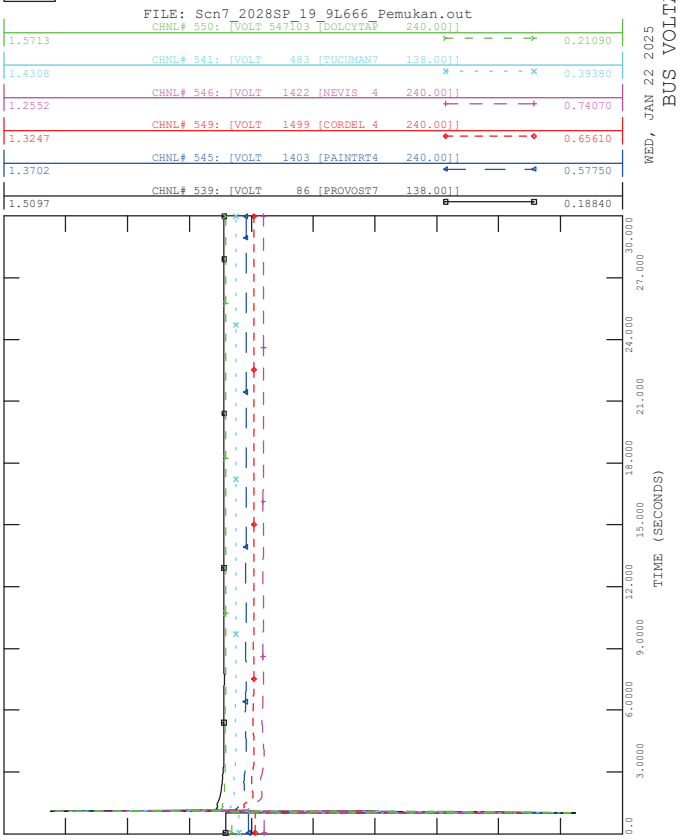
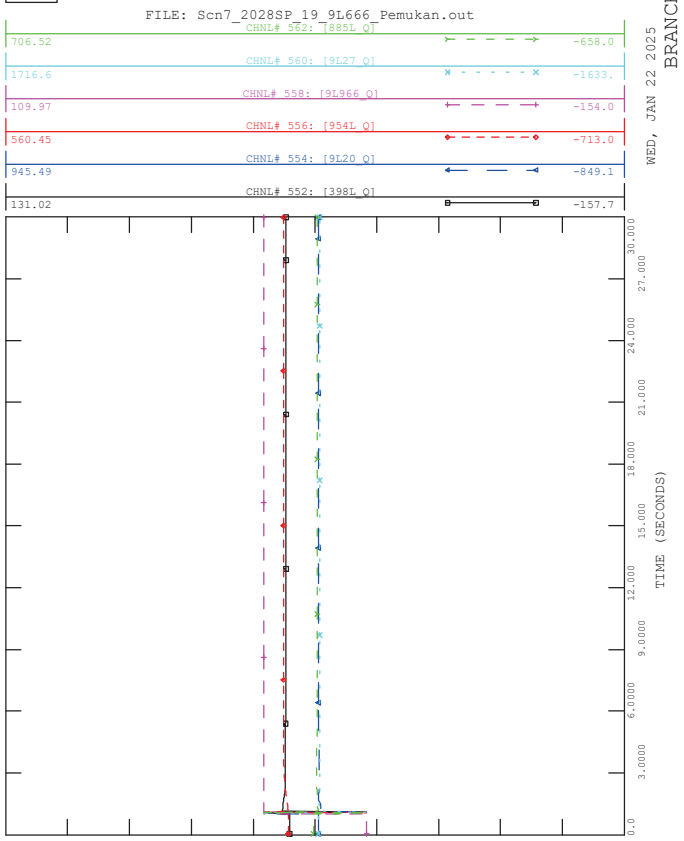


WED, JAN 22 2025 9:15
BUS VOLTAGE

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_19_9L666_PEMUKAN

FILE: Scn7_2028SP_19_9L666_Pemukan.out



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BRANCH Q

SCENARIO: P2553 SYSTEM IMPACT STUDY
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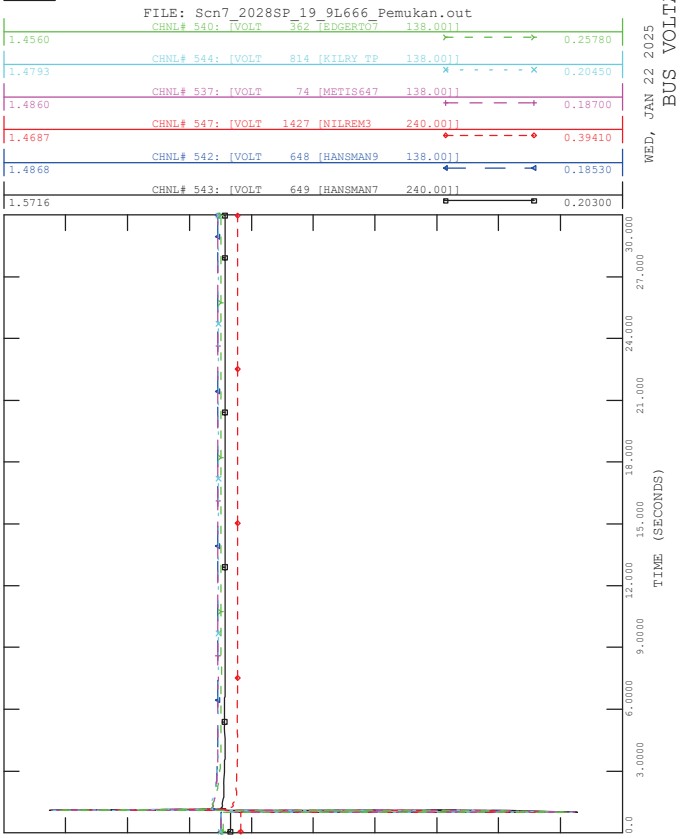

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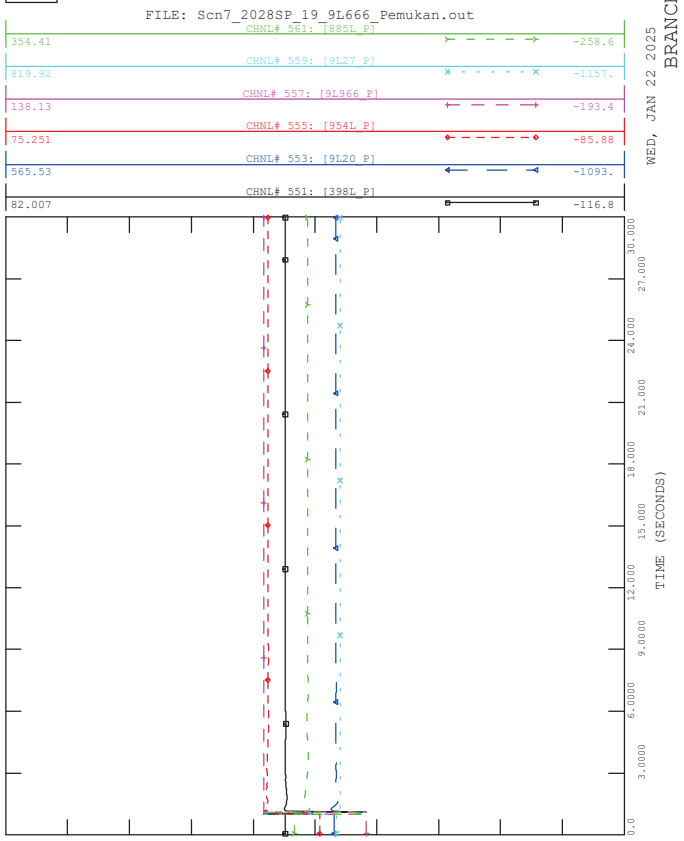
BUS VOLTAGE

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_19_9L666_PEMUKAN

FILE: Scn7_2028SP_19_9L666_Pemukan.out



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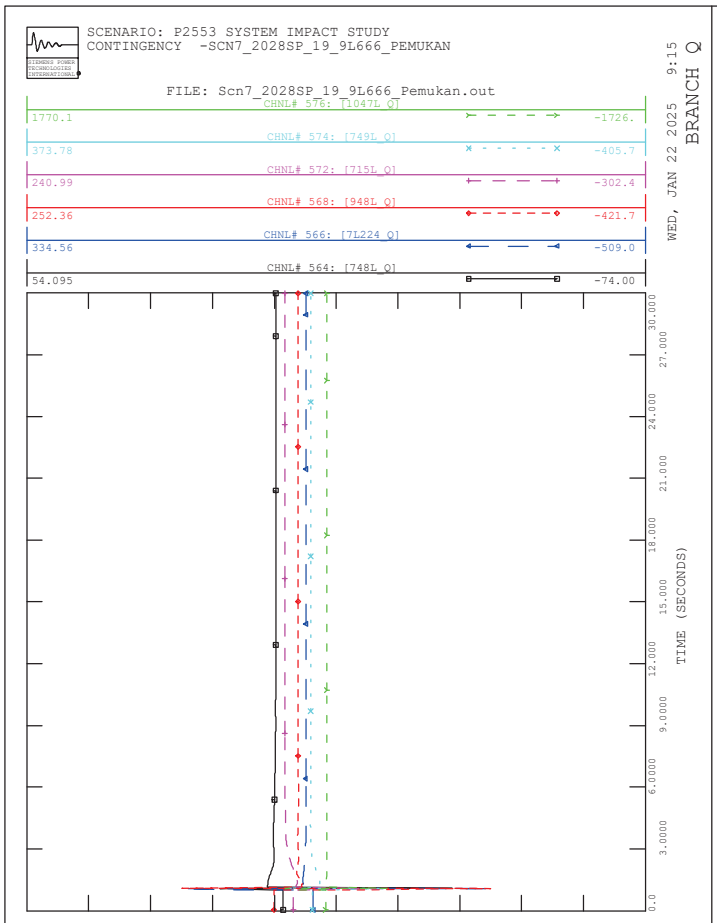
BRANCH P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CHNL# 574: [749L_Q]
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CHNL# 572: [715L_Q]
240.99
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CHNL# 568: [948L_Q]
252.36
-421.7
CHNL# 566: [7L224_Q]
334.56
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CHNL# 564: [748L_Q]
54.095
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BRANCH Q
WED, JAN 22 2025 9:15
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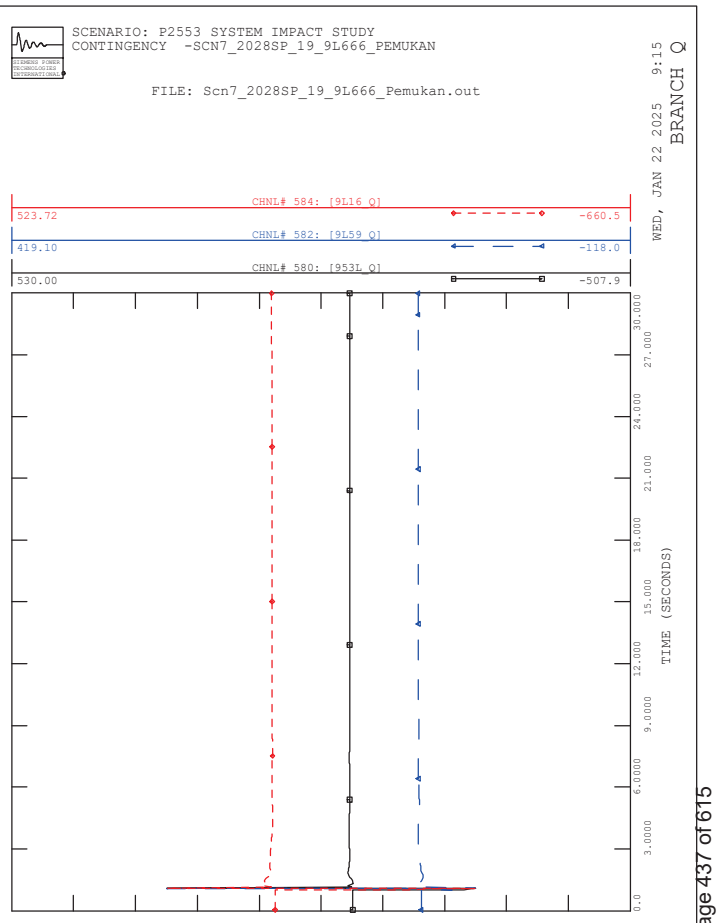
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CHNL# 582: [9L59_Q]
419.10
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CHNL# 580: [953L_Q]
530.00
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BRANCH Q
WED, JAN 22 2025 9:15
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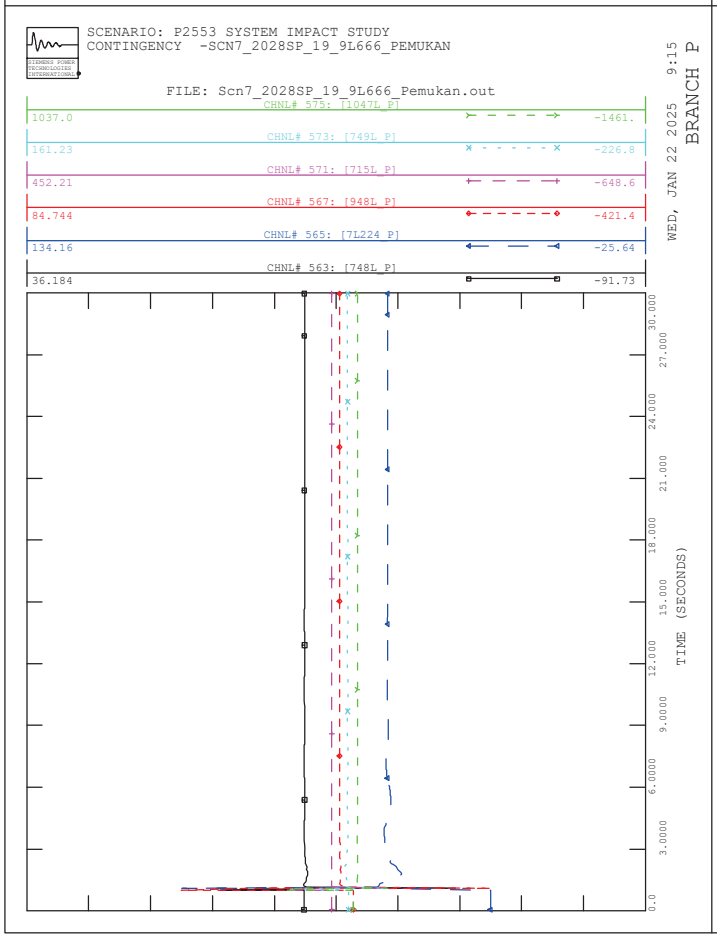
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CHNL# 573: [749L_P]
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CHNL# 571: [715L_P]
452.21
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CHNL# 567: [948L_P]
84.744
-421.4
CHNL# 565: [7L224_P]
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36.184
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BRANCH P
WED, JAN 22 2025 9:15
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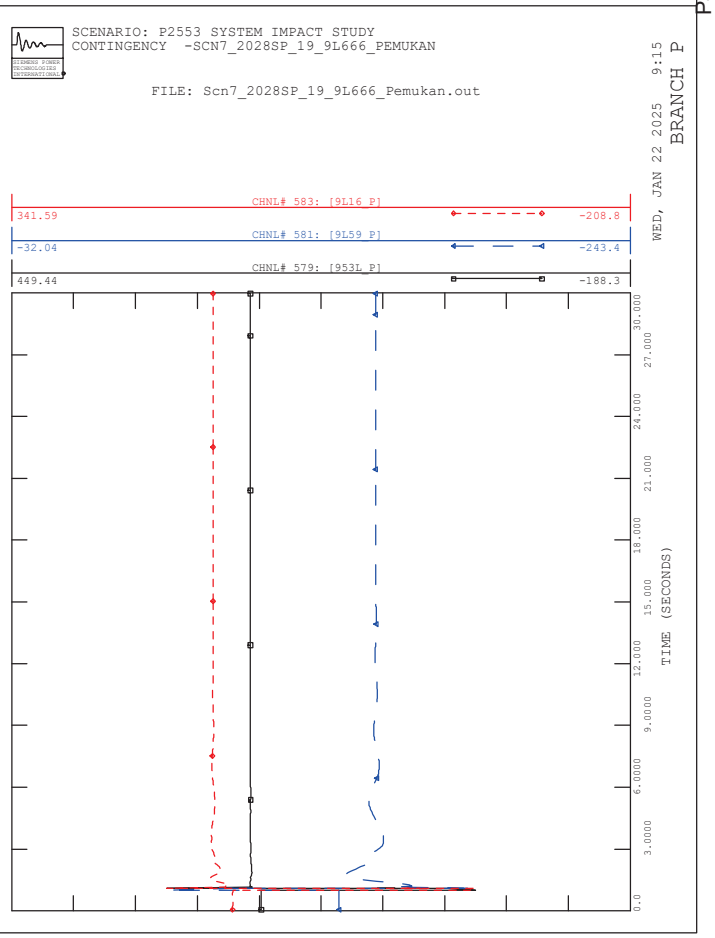
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449.44
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WED, JAN 22 2025 9:15
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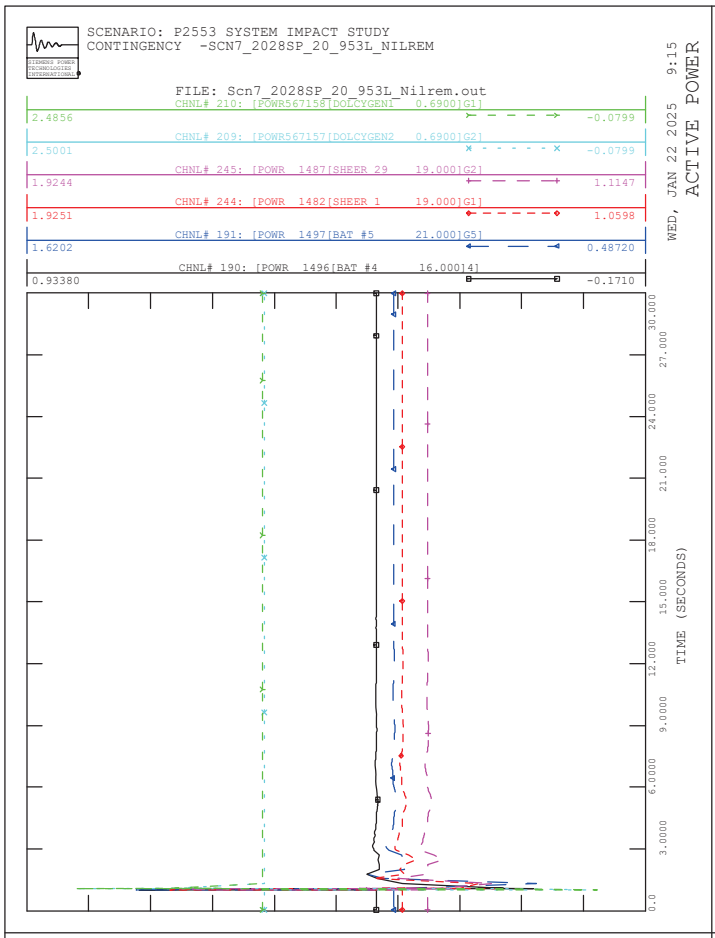
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CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
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CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
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1.1147
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
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1.0598
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.6202
0.48720
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0.93380
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WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
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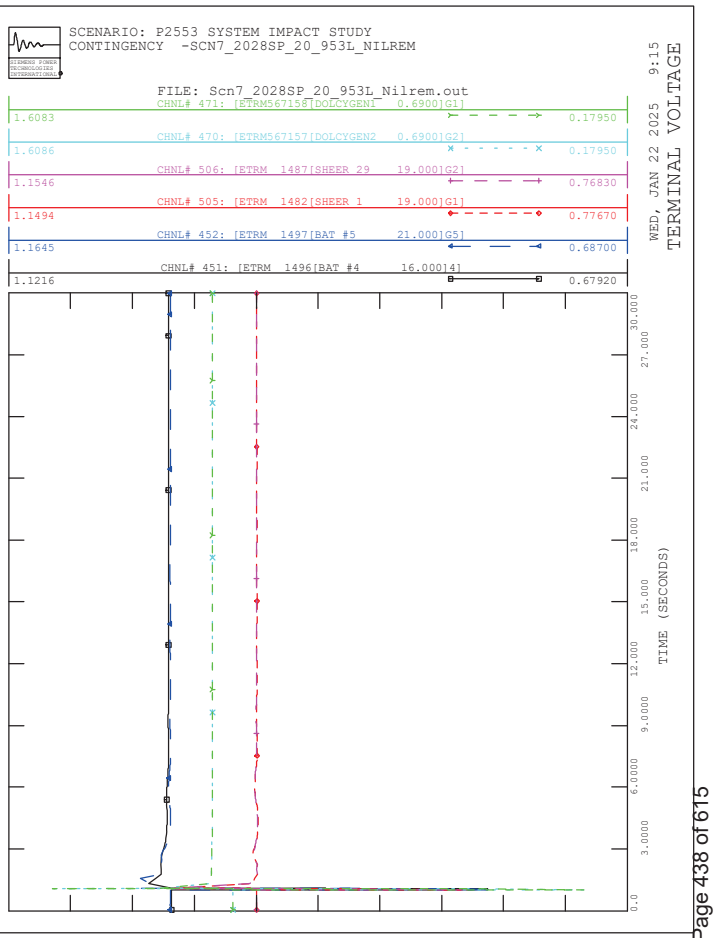
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CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
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0.17950
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1546
0.76830
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1494
0.77670
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1645
0.68700
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1216
0.67920
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
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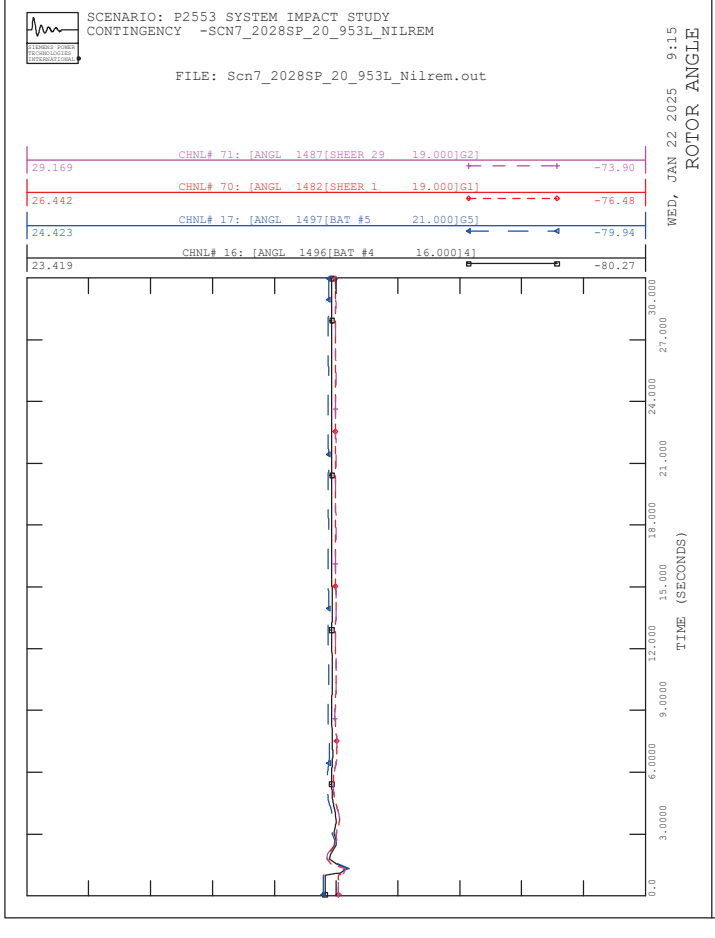
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_20_953L_NILREM
FILE: Scn7_2028SP_20_953L_Nilrem.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
29.169
-73.90
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
26.442
-76.48
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
24.423
-79.94
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
23.419
-80.27
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
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3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
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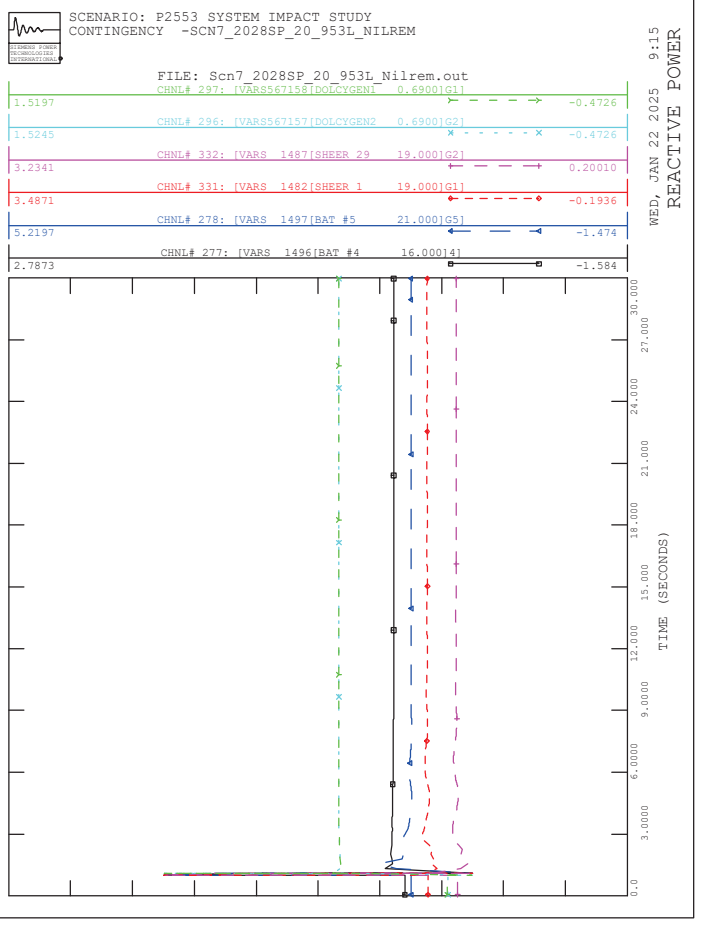
30.000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CONTINGENCY -SCN7_2028SP_20_953L_NILREM
FILE: Scn7_2028SP_20_953L_Nilrem.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.5197
-0.4726
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.5245
-0.4726
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
3.2341
0.20010
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
3.4871
-0.1936
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
5.2197
-1.474
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
2.7873
-1.584
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_20_953L_NILREM

FILE: Scn7_2028SP_20_953L_Nilrem.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.5133 0.16650

CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.4227 0.01000

CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.1797 0.66290

CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2082 0.52250

CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.2234 0.45790

CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.4952 0.15860

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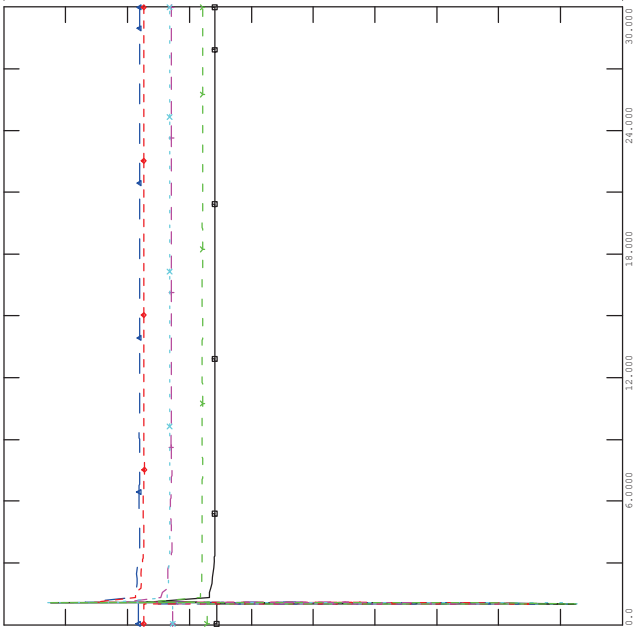
TIME (SECONDS)



SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_20_953L_NILREM

FILE: Scn7_2028SP_20_953L_Nilrem.out

WED, JAN 22 2025 9:15

BRANCH Q

CHNL# 562: [885L Q]
402.47 -252.3

CHNL# 560: [9L27 Q]
1644.5 -1779.

CHNL# 558: [9L966 Q]
1169.5 -1072.

CHNL# 556: [954L Q]
145.80 -213.1

CHNL# 554: [9L20 Q]
944.14 -670.3

CHNL# 552: [398L Q]
138.99 -180.3

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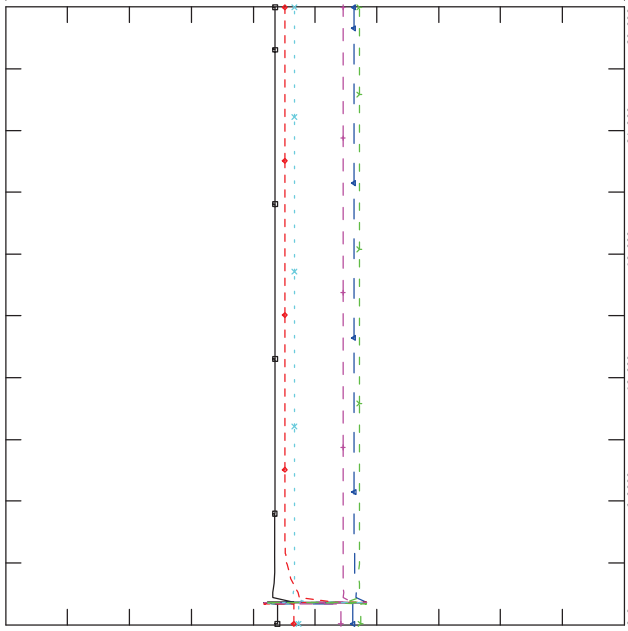
TIME (SECONDS)



SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_20_953L_NILREM

FILE: Scn7_2028SP_20_953L_Nilrem.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.4210 0.20800

CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.4542 0.16730

CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.4622 0.15690

CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.4927 -0.0947

CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.4635 0.15790

CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.5185 0.16040

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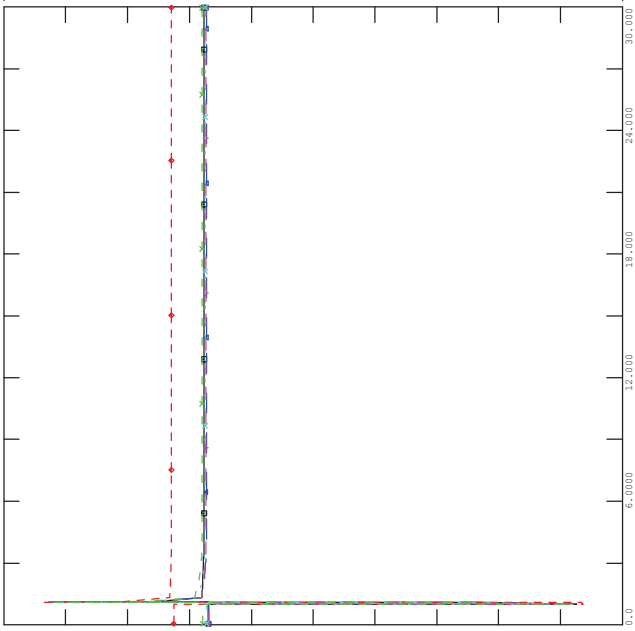
TIME (SECONDS)



SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_20_953L_NILREM

FILE: Scn7_2028SP_20_953L_Nilrem.out

WED, JAN 22 2025 9:15

BRANCH P

CHNL# 561: [885L P]
504.93 -334.6

CHNL# 559: [9L27 P]
844.94 -1207.

CHNL# 557: [9L966 P]
308.83 -382.3

CHNL# 555: [954L P]
89.986 -117.3

CHNL# 553: [9L20 P]
593.32 -993.3

CHNL# 551: [398L P]
122.68 -174.1

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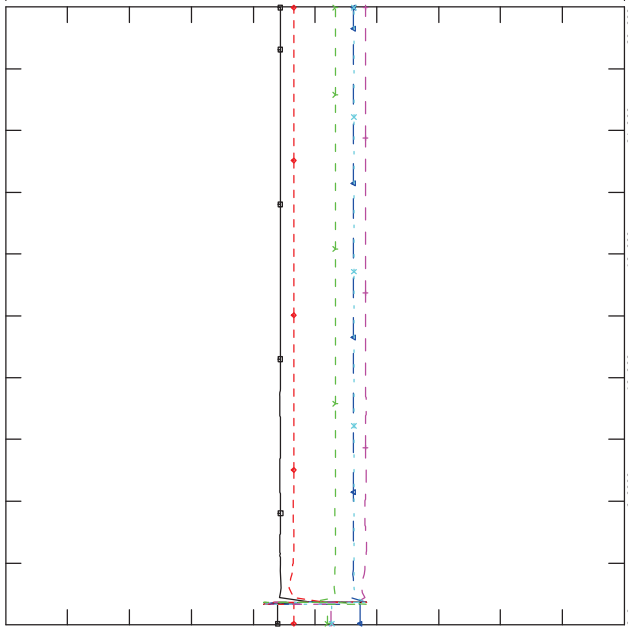
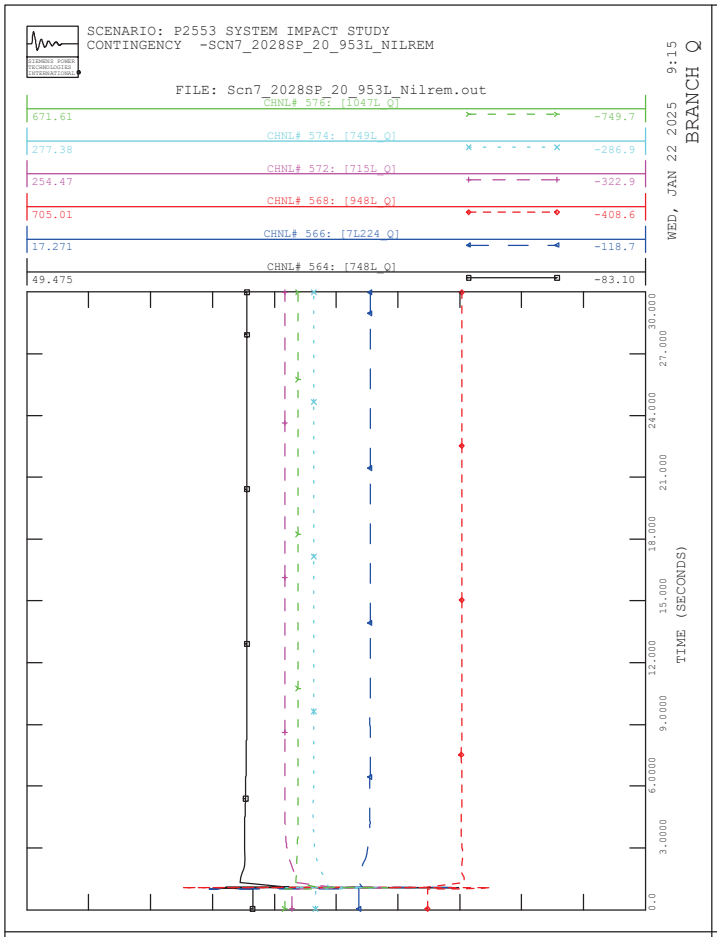
TIME (SECONDS)




SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_20_953L_NILREM
FILE: Scn7_2028SP_20_953L_Nilrem.out
CHNL# 576: [1047L_Q]
671.61
-749.7
CHNL# 574: [749L_Q]
277.38
-286.9
CHNL# 572: [715L_Q]
254.47
-322.9
CHNL# 568: [948L_Q]
705.01
-408.6
CHNL# 566: [7L224_Q]
17.271
-118.7
CHNL# 564: [748L_Q]
49.475
-83.10
BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
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12.000
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18.000
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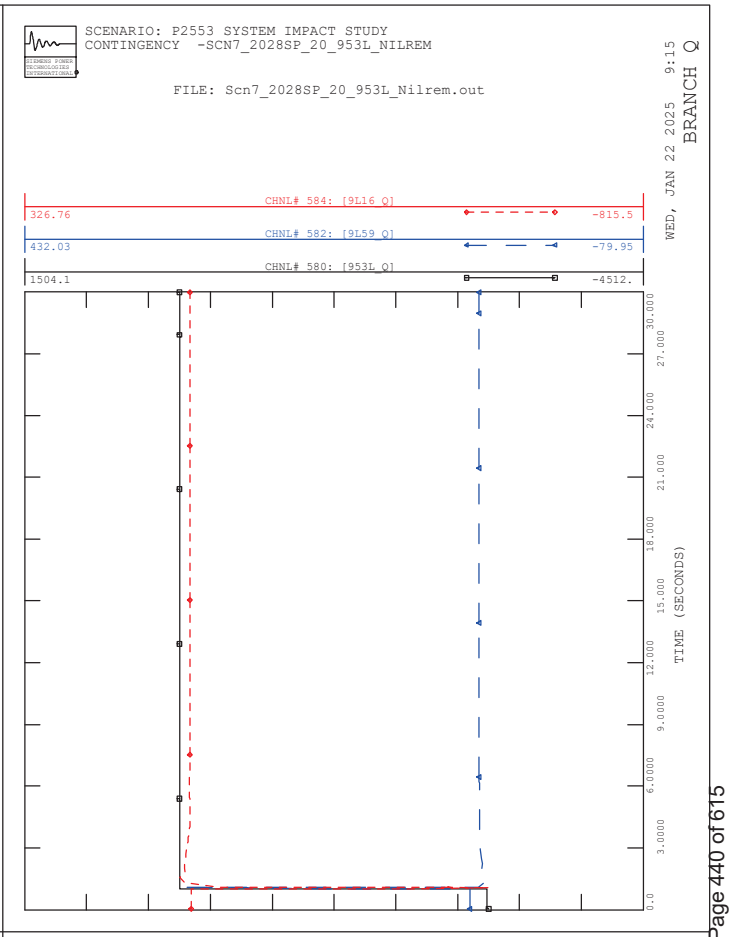
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_20_953L_NILREM
FILE: Scn7_2028SP_20_953L_Nilrem.out
CHNL# 584: [9L16_Q]
326.76
-815.5
CHNL# 582: [9L59_Q]
432.03
-79.95
CHNL# 580: [953L_Q]
1504.1
-4512.
BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
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3.0000
6.0000
9.0000
12.000
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18.000
21.000
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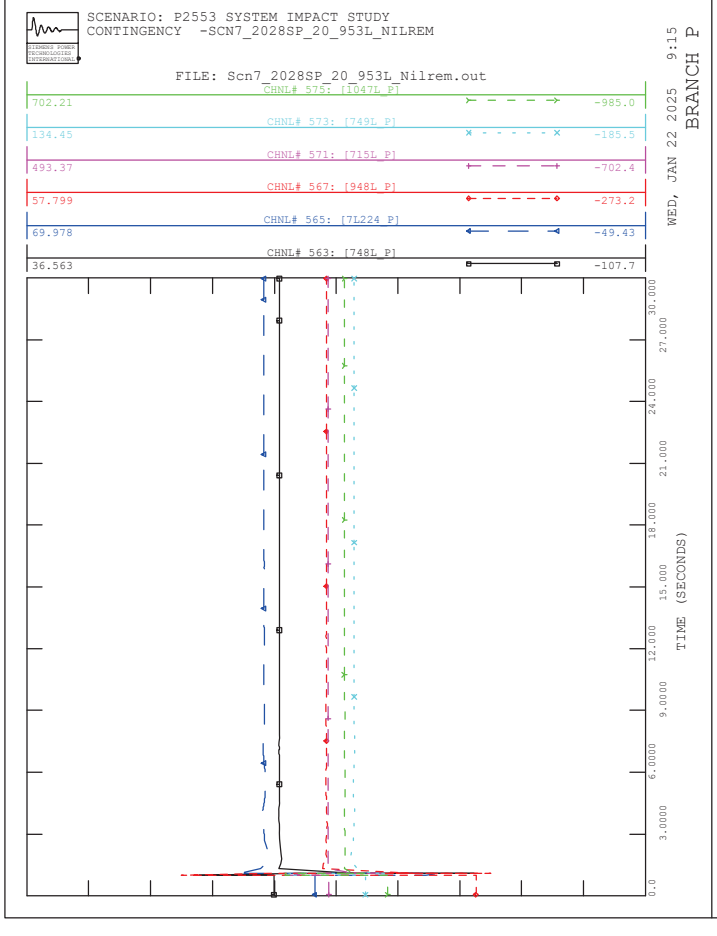
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_20_953L_NILREM
FILE: Scn7_2028SP_20_953L_Nilrem.out
CHNL# 575: [1047L_P]
702.21
-985.0
CHNL# 573: [749L_P]
134.45
-185.5
CHNL# 571: [715L_P]
493.37
-702.4
CHNL# 567: [948L_P]
57.799
-273.2
CHNL# 565: [7L224_P]
69.978
-49.43
CHNL# 563: [748L_P]
36.563
-107.7
BRANCH P
WED, JAN 22 2025 9:15
TIME (SECONDS)
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18.000
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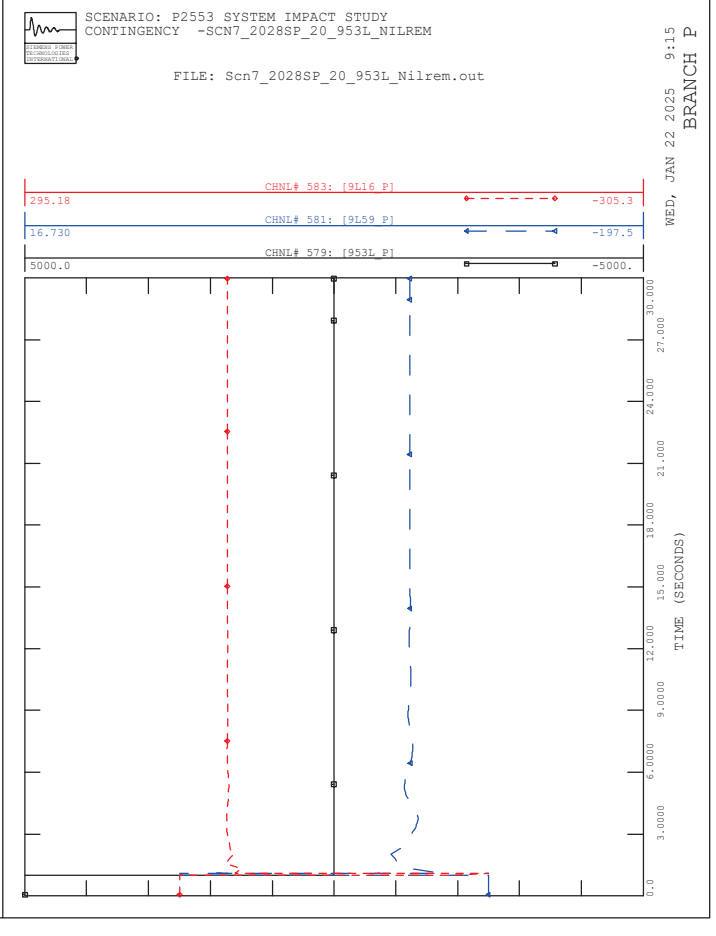
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_20_953L_NILREM
FILE: Scn7_2028SP_20_953L_Nilrem.out
CHNL# 583: [9L16_P]
295.18
-305.3
CHNL# 581: [9L59_P]
16.730
-197.5
CHNL# 579: [953L_P]
5000.0
-5000.
BRANCH P
WED, JAN 22 2025 9:15
TIME (SECONDS)
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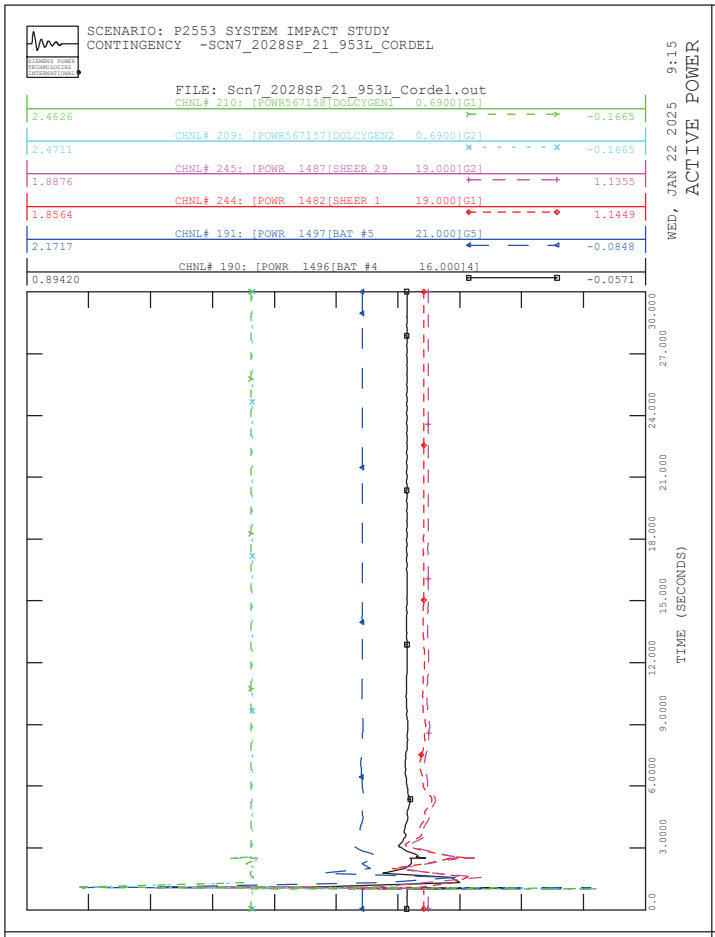
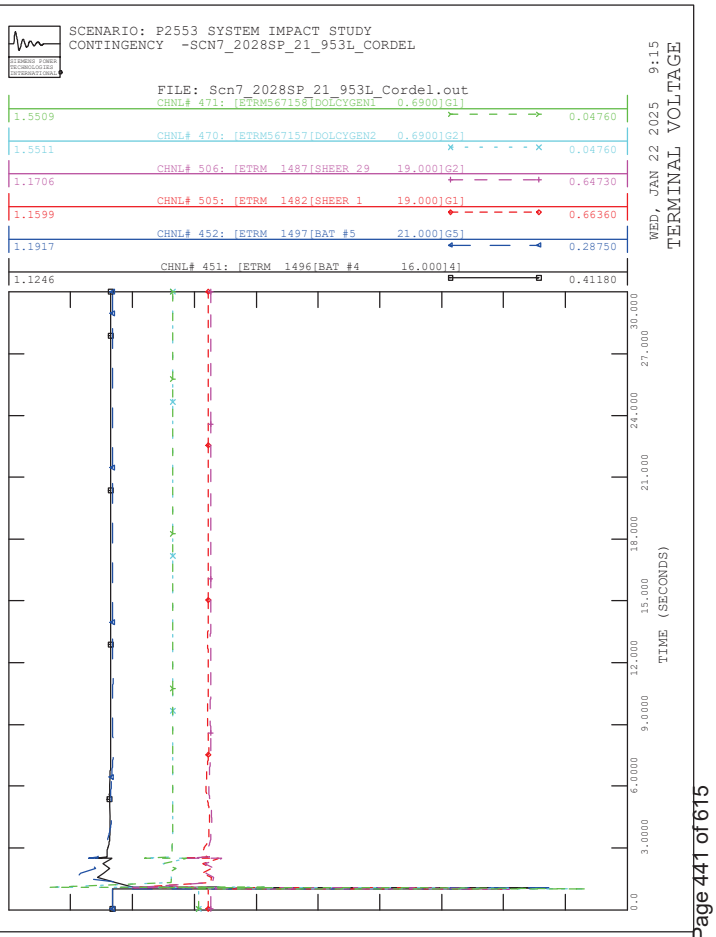
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_21_953L_CORDEL
FILE: Scn7_2028SP_21_953L_Cordel.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.4626
-0.1665
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.4711
-0.1665
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.8876
1.1355
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.8564
1.1449
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
2.1717
-0.0848
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.89420
-0.0571
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_21_953L_CORDEL
FILE: Scn7_2028SP_21_953L_Cordel.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.5509
0.04760
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.5511
0.04760
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1706
0.64730
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1599
0.66360
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1917
0.28750
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1246
0.41180
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
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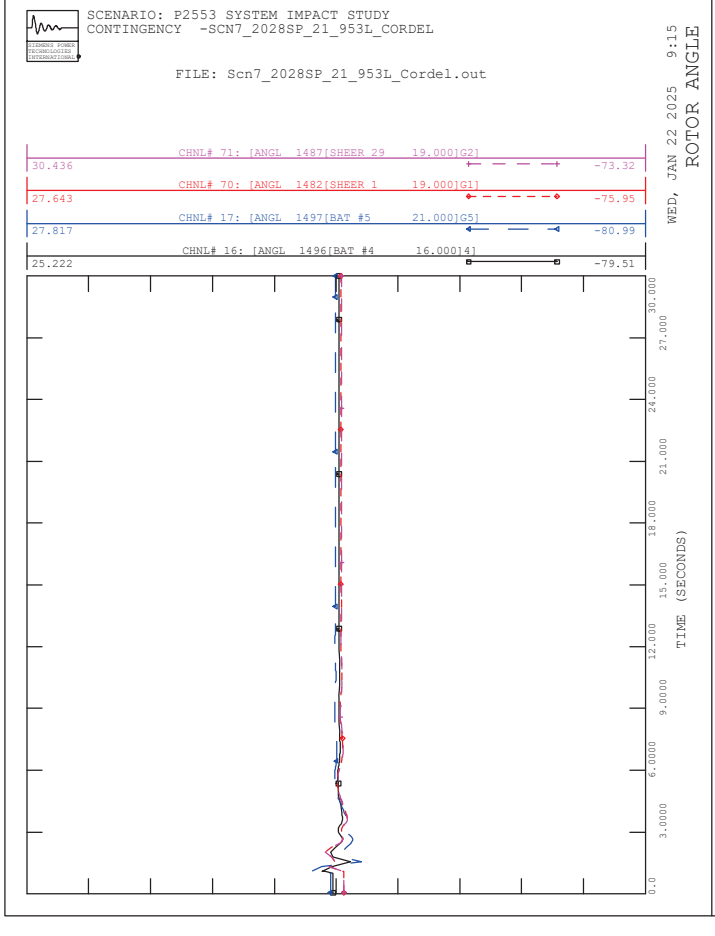
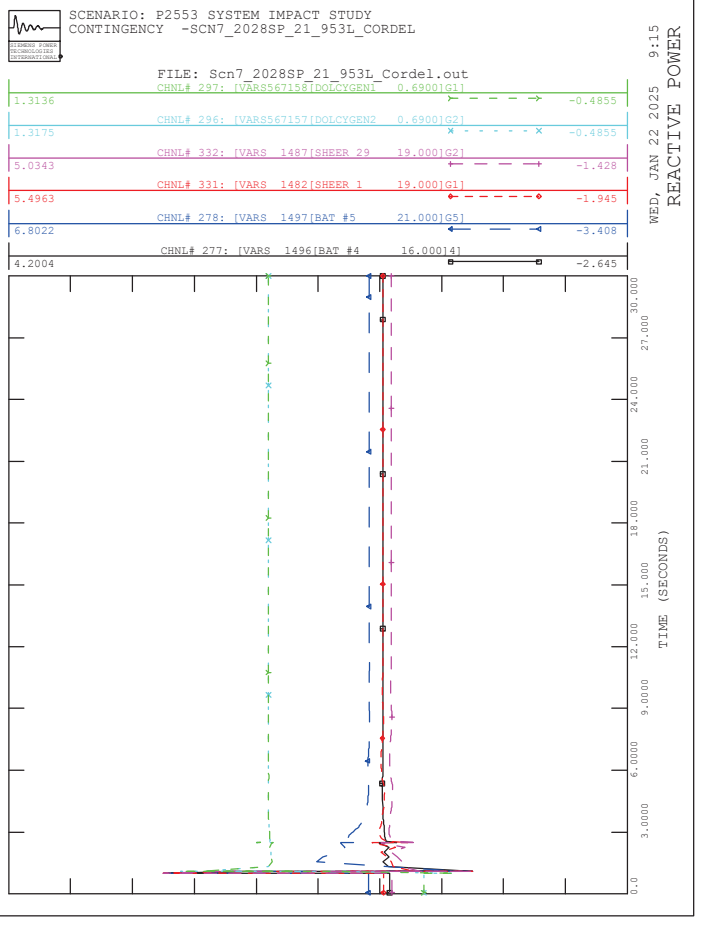
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_21_953L_CORDEL
FILE: Scn7_2028SP_21_953L_Cordel.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
30.436
-73.32
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
27.643
-75.95
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
27.817
-80.99
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
25.222
-79.51
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_21_953L_CORDEL
FILE: Scn7_2028SP_21_953L_Cordel.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.3136
-0.4855
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.3175
-0.4855
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
5.0343
-1.428
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
5.4963
-1.945
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
6.8022
-3.408
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
4.2004
-2.645
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_21_953L_CORDEL

FILE: Scn7_2028SP_21_953L_Cordel.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.4760 0.03570
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.3982 0.01730
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.1852 0.27890
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2174 -0.0772
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.2615 -0.0615
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.4267 0.04820

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_21_953L_CORDEL

FILE: Scn7_2028SP_21_953L_Cordel.out

WED, JAN 22 2025 9:15

BRANCH Q

CHNL# 562: [885L Q]
507.92 -353.7
CHNL# 560: [9L27 Q]
1042.3 -1065.
CHNL# 558: [9L966 Q]
1414.7 -1375.
CHNL# 556: [954L Q]
137.01 -199.8
CHNL# 554: [9L20 Q]
1201.3 -865.7
CHNL# 552: [398L Q]
98.647 -122.6

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_21_953L_CORDEL

FILE: Scn7_2028SP_21_953L_Cordel.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.3754 0.08570
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.3983 0.05290
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.4112 0.04750
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.4482 -0.0103
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.4121 0.04790
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.4772 0.03760

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_21_953L_CORDEL

FILE: Scn7_2028SP_21_953L_Cordel.out

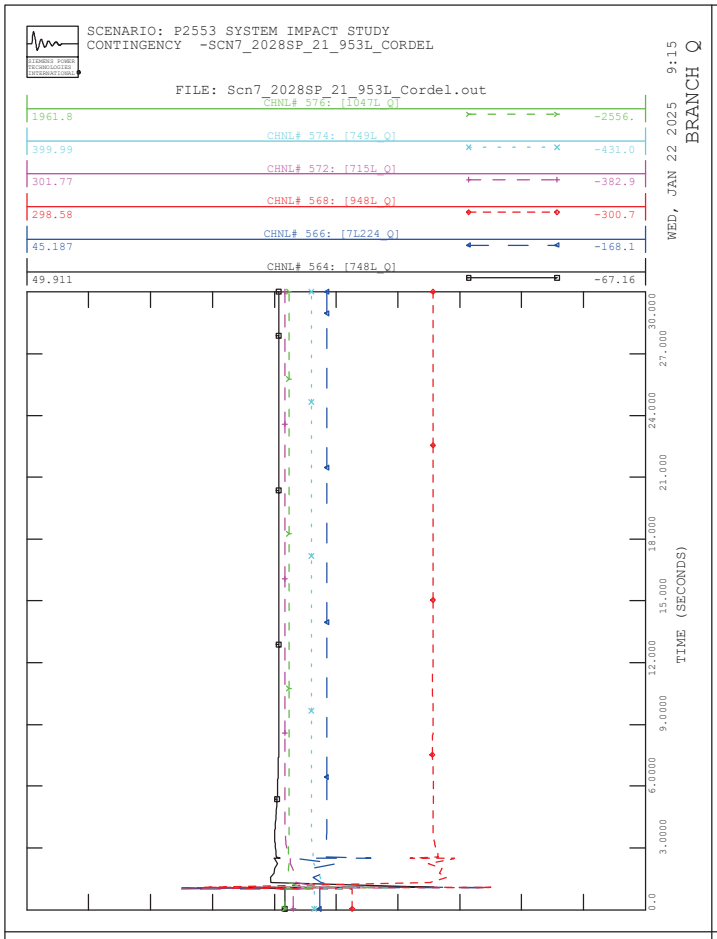
WED, JAN 22 2025 9:15

BRANCH P

CHNL# 561: [885L P]
473.52 -329.4
CHNL# 559: [9L27 P]
971.98 -1363.
CHNL# 557: [9L966 P]
266.57 -360.9
CHNL# 555: [954L P]
79.804 -104.2
CHNL# 553: [9L20 P]
1079.7 -1360.
CHNL# 551: [398L P]
93.881 -132.2

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_21_953L_CORDEL
FILE: Scn7_2028SP_21_953L_Cordel.out
CHNL# 576: [I047L Q]
1961.8
-2556.
CHNL# 574: [749L Q]
399.99
-431.0
CHNL# 572: [715L Q]
301.77
-382.9
CHNL# 568: [948L Q]
298.58
-300.7
CHNL# 566: [7L224 Q]
45.187
-168.1
CHNL# 564: [748L Q]
49.911
-67.16
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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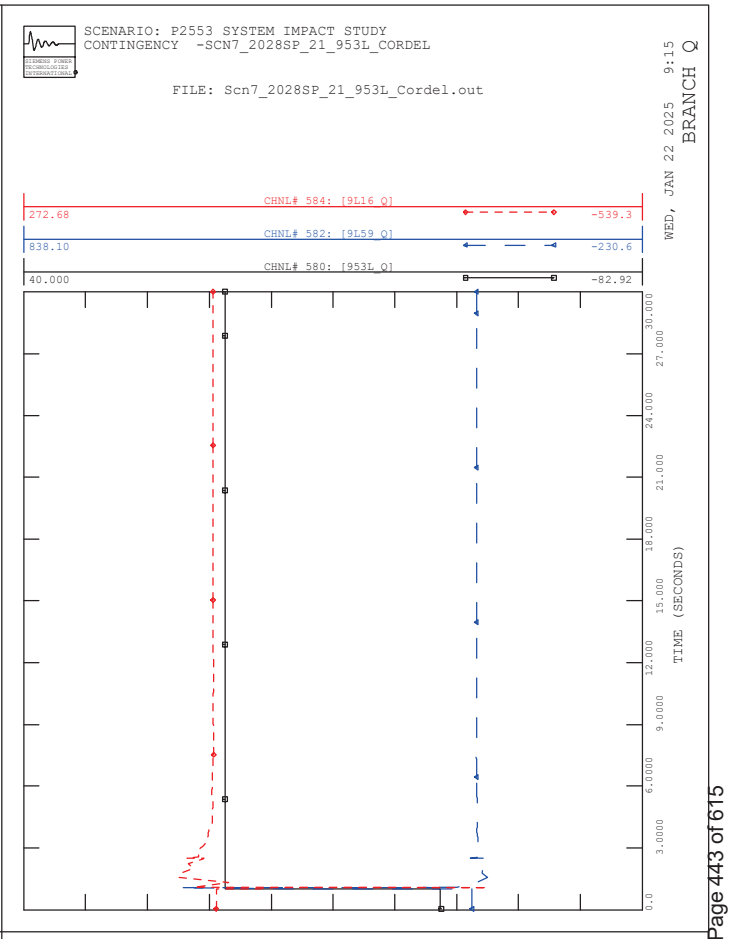
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_21_953L_CORDEL
FILE: Scn7_2028SP_21_953L_Cordel.out
CHNL# 584: [9L16 Q]
272.68
-539.3
CHNL# 582: [9L59 Q]
838.10
-230.6
CHNL# 580: [953L Q]
40.000
-82.92
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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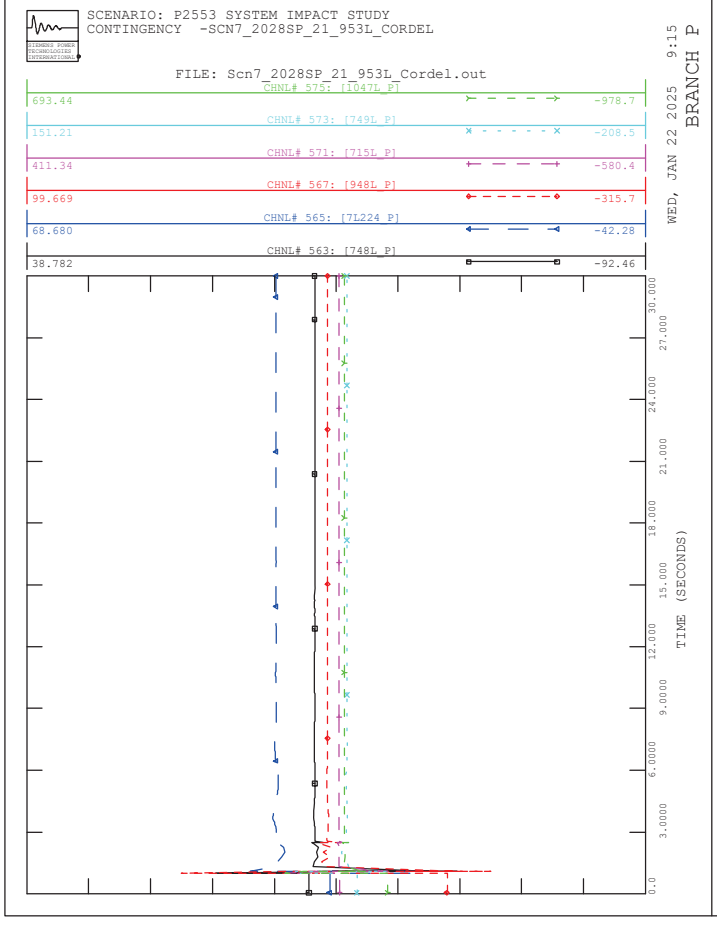
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_21_953L_CORDEL
FILE: Scn7_2028SP_21_953L_Cordel.out
CHNL# 575: [I047L P]
693.44
-978.7
CHNL# 573: [749L P]
151.21
-208.5
CHNL# 571: [715L P]
411.34
-580.4
CHNL# 567: [948L P]
99.669
-315.7
CHNL# 565: [7L224 P]
68.680
-42.28
CHNL# 563: [748L P]
38.782
-92.46
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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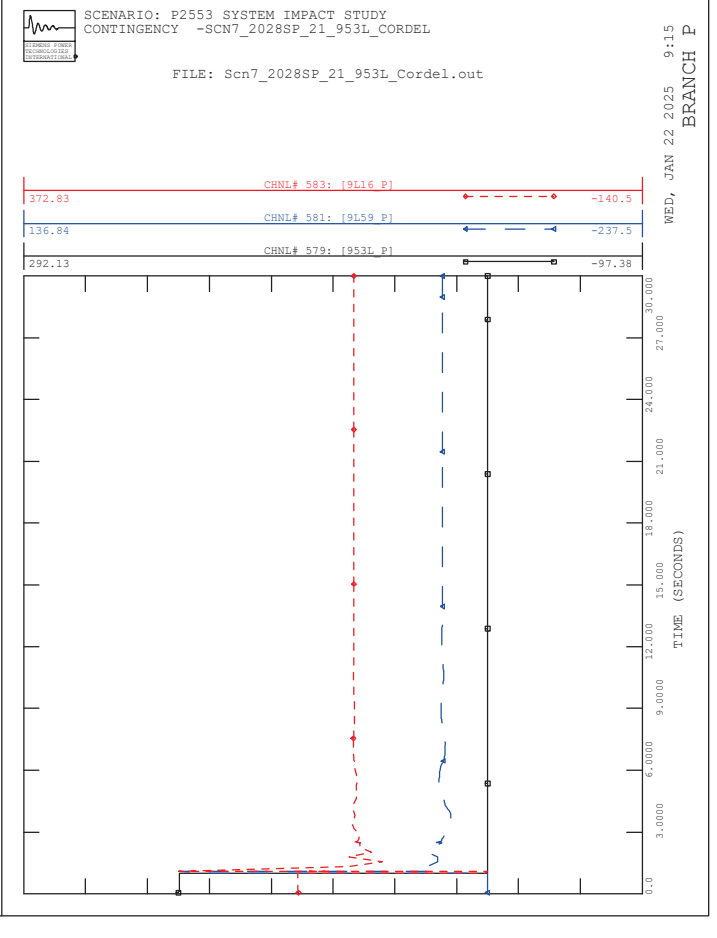

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_21_953L_CORDEL
FILE: Scn7_2028SP_21_953L_Cordel.out
CHNL# 583: [9L16 P]
372.83
-140.5
CHNL# 581: [9L59 P]
136.84
-237.5
CHNL# 579: [953L P]
292.13
-97.38
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

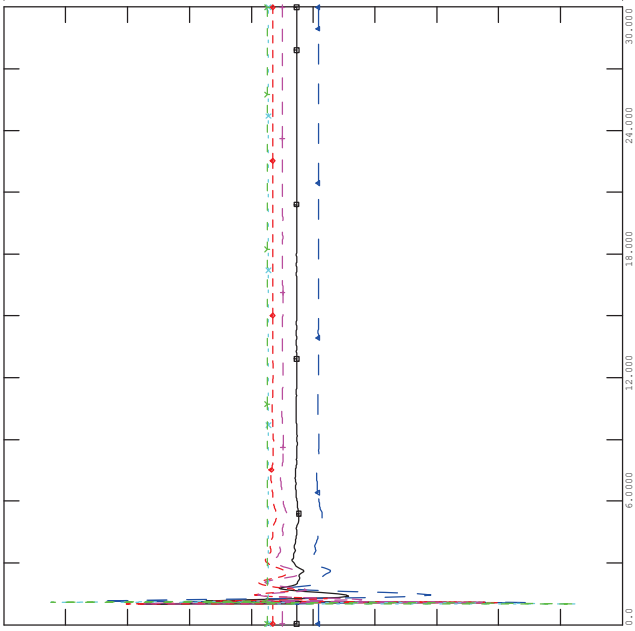
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_22_9L27_PAINTEARTH

FILE: Scn7_2028SP_22_9L27_Paintearth.out

WED, JAN 22 2025 9:15

ACTIVE POWER

CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1] 2.6305 -0.0032
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2] 2.6391 -0.0032
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2] 1.7981 0.91430
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1] 1.8382 0.82980
CHNL# 191: [POWR 1497[BAT #5 21.000]G5] 1.6150 0.30250
CHNL# 190: [POWR 1496[BAT #4 16.000]4] 0.73890 -0.1678



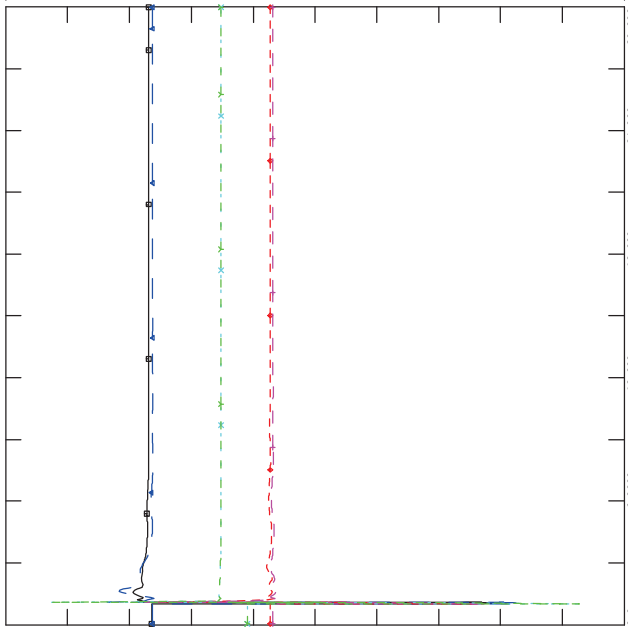
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_22_9L27_PAINTEARTH

FILE: Scn7_2028SP_22_9L27_Paintearth.out

WED, JAN 22 2025 9:15

TERMINAL VOLTAGE

CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1] 1.6239 0.25770
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2] 1.6241 0.25770
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2] 1.1938 0.74480
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1] 1.1832 0.75470
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5] 1.1843 0.57610
CHNL# 451: [ETRM 1496[BAT #4 16.000]4] 1.1198 0.63370



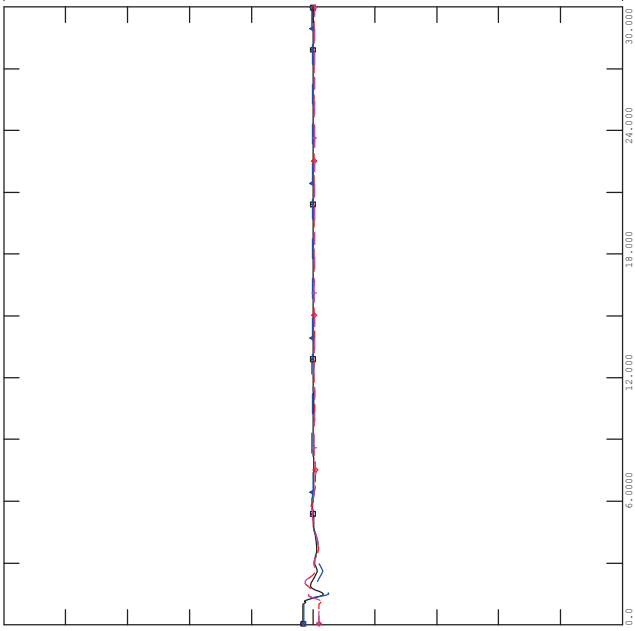
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_22_9L27_PAINTEARTH

FILE: Scn7_2028SP_22_9L27_Paintearth.out

WED, JAN 22 2025 9:15

ROTOR ANGLE

CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2] 29.581 -73.11
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1] 26.879 -75.71
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5] 25.477 -79.71
CHNL# 16: [ANGL 1496[BAT #4 16.000]4] 23.418 -79.97



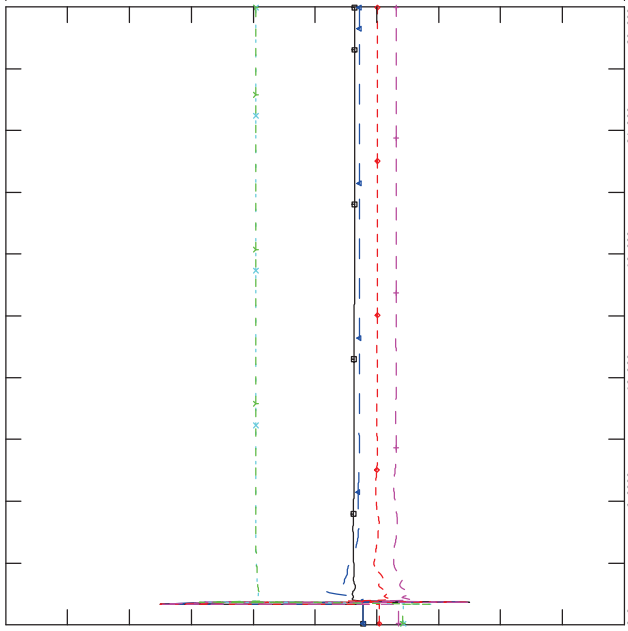
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_22_9L27_PAINTEARTH

FILE: Scn7_2028SP_22_9L27_Paintearth.out

WED, JAN 22 2025 9:15

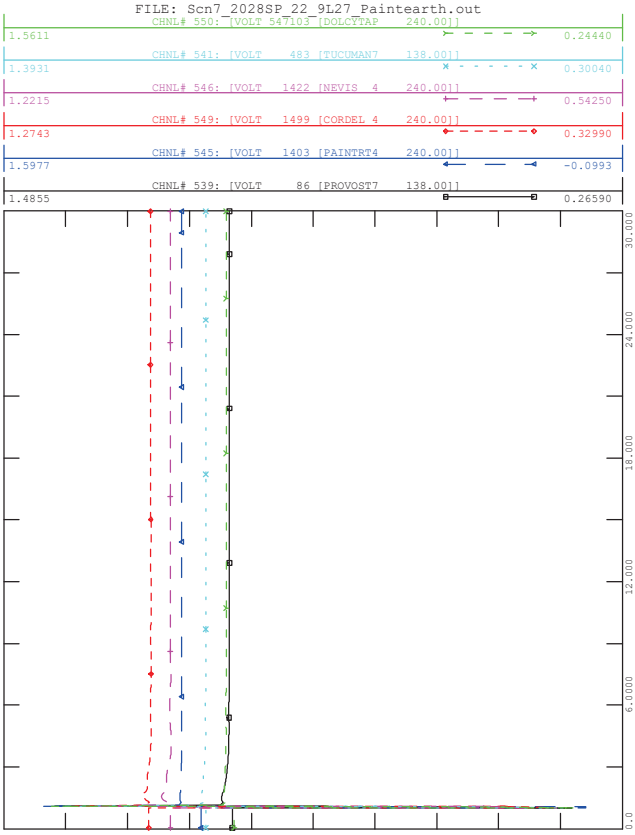
REACTIVE POWER

CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1] 1.1325 -0.4649
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2] 1.1352 -0.4649
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2] 3.7778 -0.5462
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1] 4.0974 -1.046
CHNL# 278: [VARS 1497[BAT #5 21.000]G5] 6.6815 -3.382
CHNL# 277: [VARS 1496[BAT #4 16.000]4] 3.4247 -2.529



SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_22_9L27_PAINTEARTH

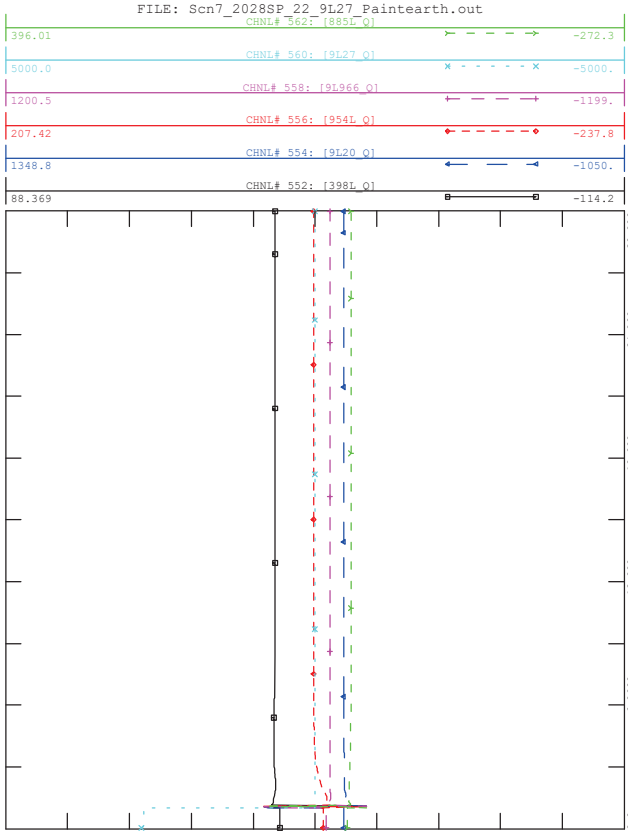
FILE: Scn7_2028SP_22_9L27_Paintearth.out



WED, JAN 22 2025 9:15
BUS VOLTAGE

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_22_9L27_PAINTEARTH

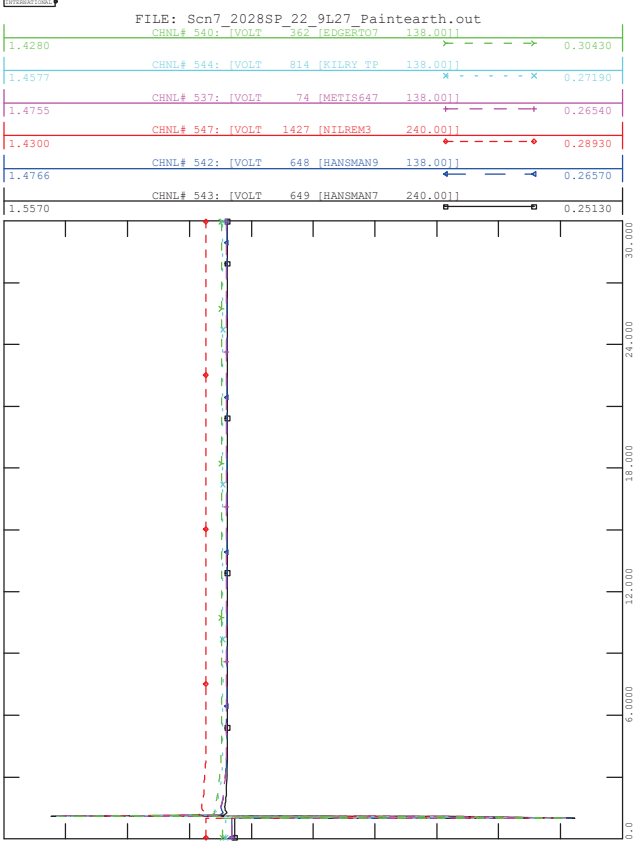
FILE: Scn7_2028SP_22_9L27_Paintearth.out



WED, JAN 22 2025 9:15
BRANCH Q

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_22_9L27_PAINTEARTH

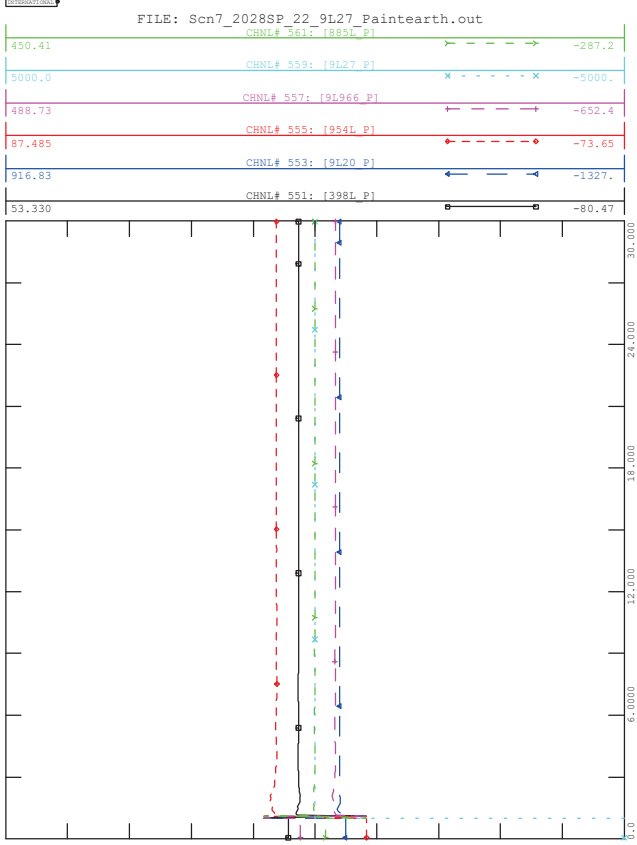
FILE: Scn7_2028SP_22_9L27_Paintearth.out



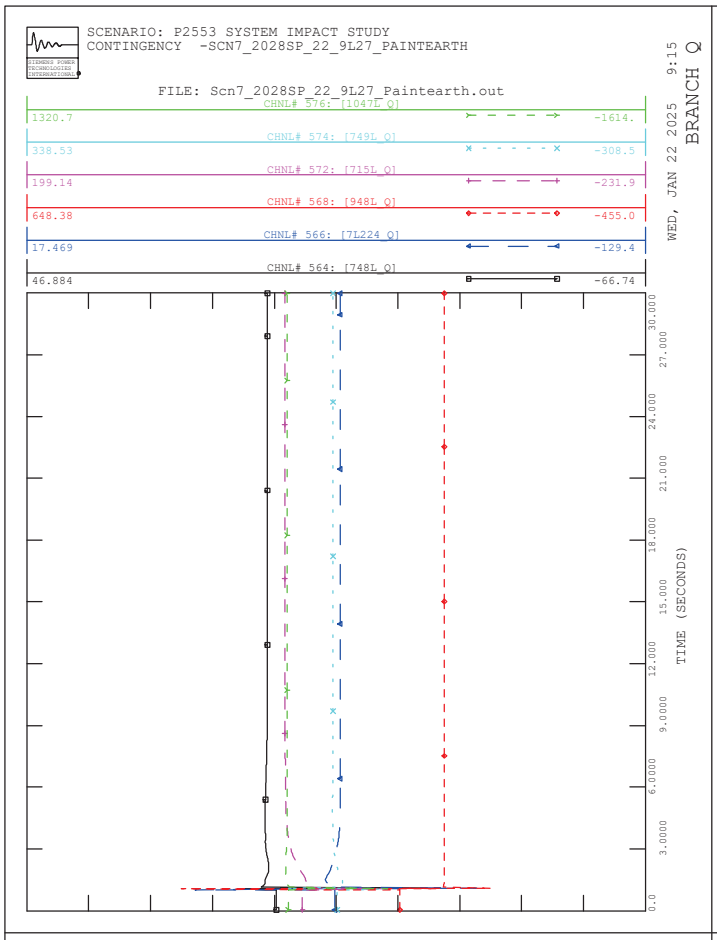
WED, JAN 22 2025 9:15
BUS VOLTAGE

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_22_9L27_PAINTEARTH

FILE: Scn7_2028SP_22_9L27_Paintearth.out



WED, JAN 22 2025 9:15
BRANCH P


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_22_9L27_PAINTEARTH
FILE: Scn7_2028SP_22_9L27_Paintearth.out
CHNL# 576: [1047L Q]
1320.7
-1614.
CHNL# 574: [749L Q]
338.53
-308.5
CHNL# 572: [715L Q]
199.14
-231.9
CHNL# 568: [948L Q]
648.38
-455.0
CHNL# 566: [7L224 Q]
17.469
-129.4
CHNL# 564: [748L Q]
46.884
-66.74
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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6.0000
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12.000
15.000
18.000
21.000
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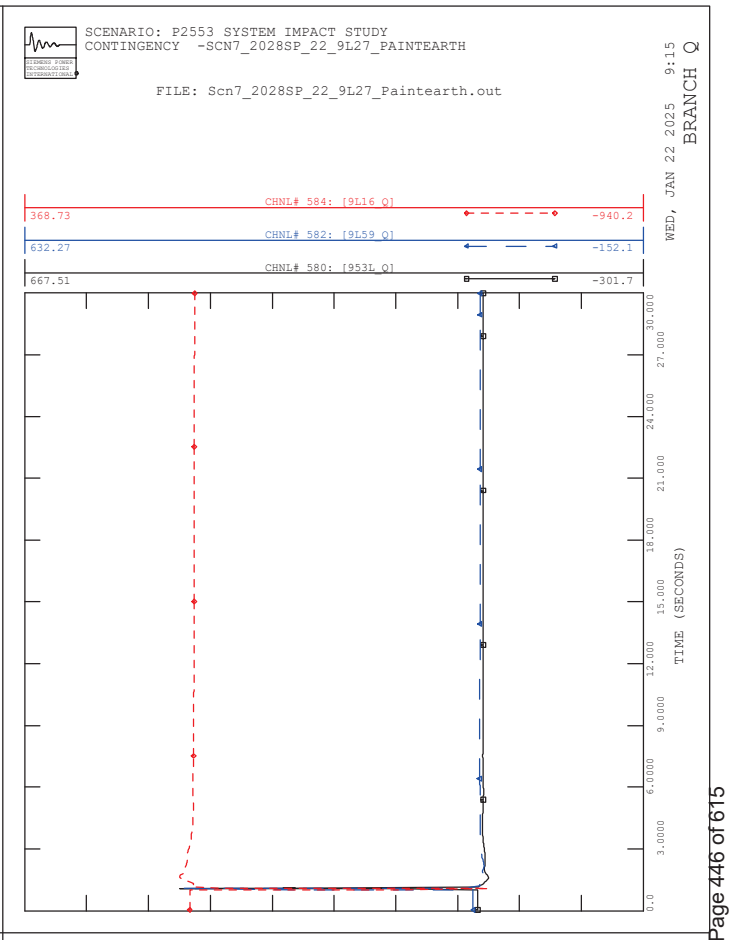
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_22_9L27_PAINTEARTH
FILE: Scn7_2028SP_22_9L27_Paintearth.out
CHNL# 584: [9L16 Q]
368.73
-940.2
CHNL# 582: [9L59 Q]
632.27
-152.1
CHNL# 580: [953L Q]
667.51
-301.7
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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3.0000
6.0000
9.0000
12.000
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18.000
21.000
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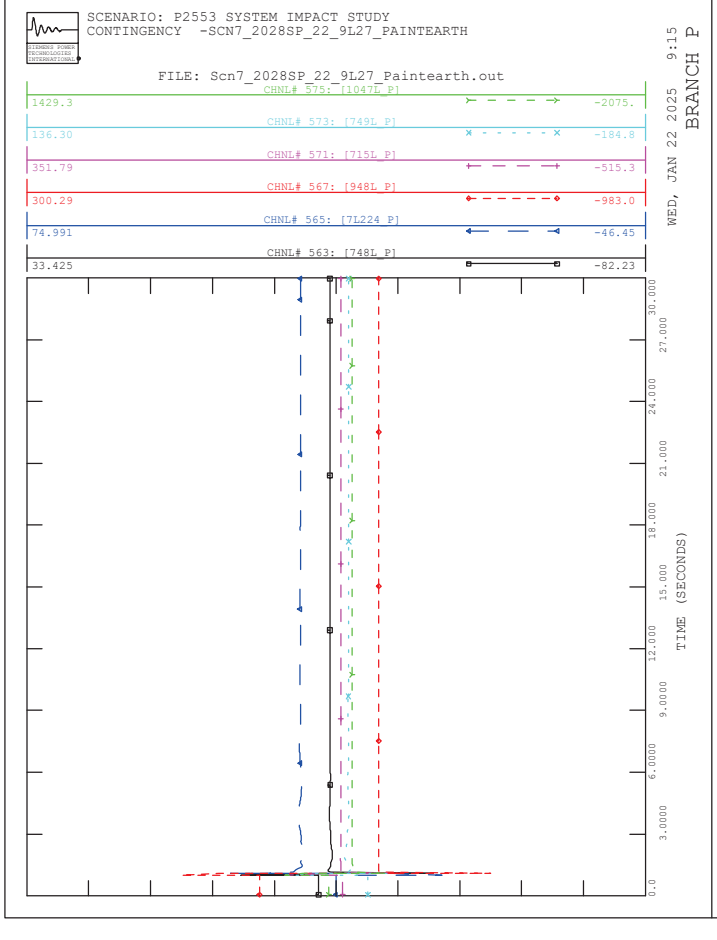
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_22_9L27_PAINTEARTH
FILE: Scn7_2028SP_22_9L27_Paintearth.out
CHNL# 575: [1047L P]
1429.3
-2075.
CHNL# 573: [749L P]
136.30
-184.8
CHNL# 571: [715L P]
351.79
-515.3
CHNL# 567: [948L P]
300.29
-983.0
CHNL# 565: [7L224 P]
74.991
-46.45
CHNL# 563: [748L P]
33.425
-82.23
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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9.0000
12.000
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18.000
21.000
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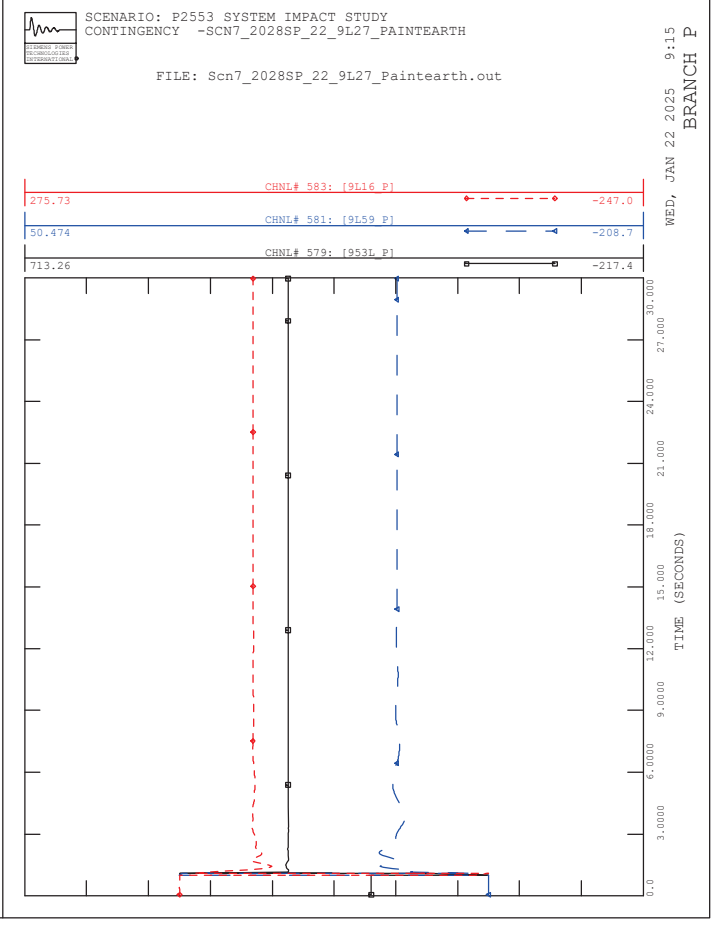
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_22_9L27_PAINTEARTH
FILE: Scn7_2028SP_22_9L27_Paintearth.out
CHNL# 583: [9L16 P]
275.73
-247.0
CHNL# 581: [9L59 P]
50.474
-208.7
CHNL# 579: [953L P]
713.26
-217.4
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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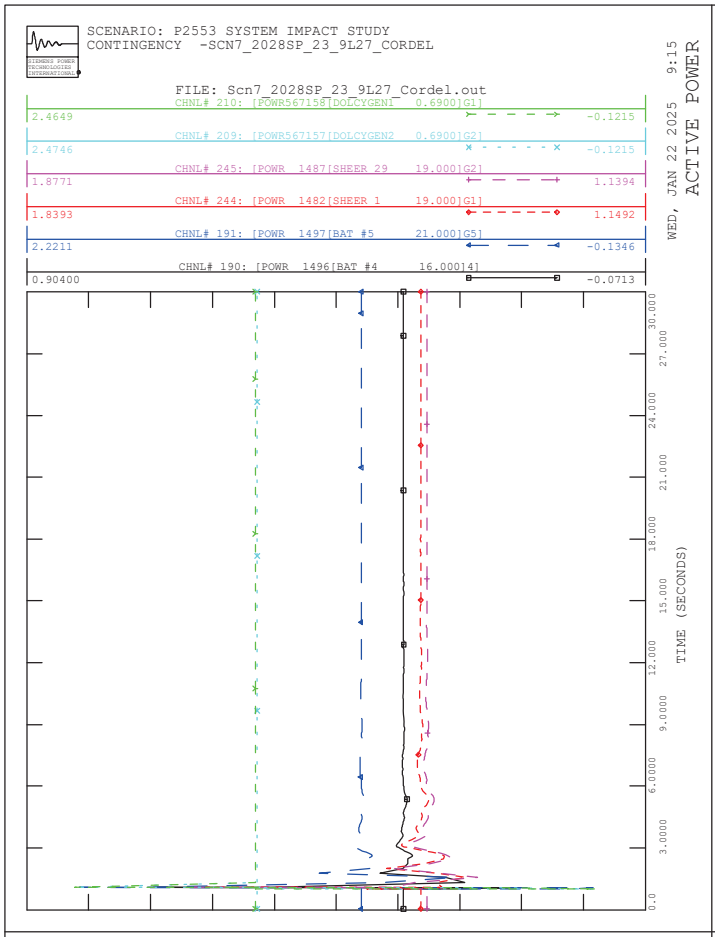
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_23_9L27_CORDEL
FILE: Scn7_2028SP_23_9L27_Cordel.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.4649
-0.1215
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.4746
-0.1215
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.8771
1.1394
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.8393
1.1492
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
2.2211
-0.1346
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.90400
-0.0713
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
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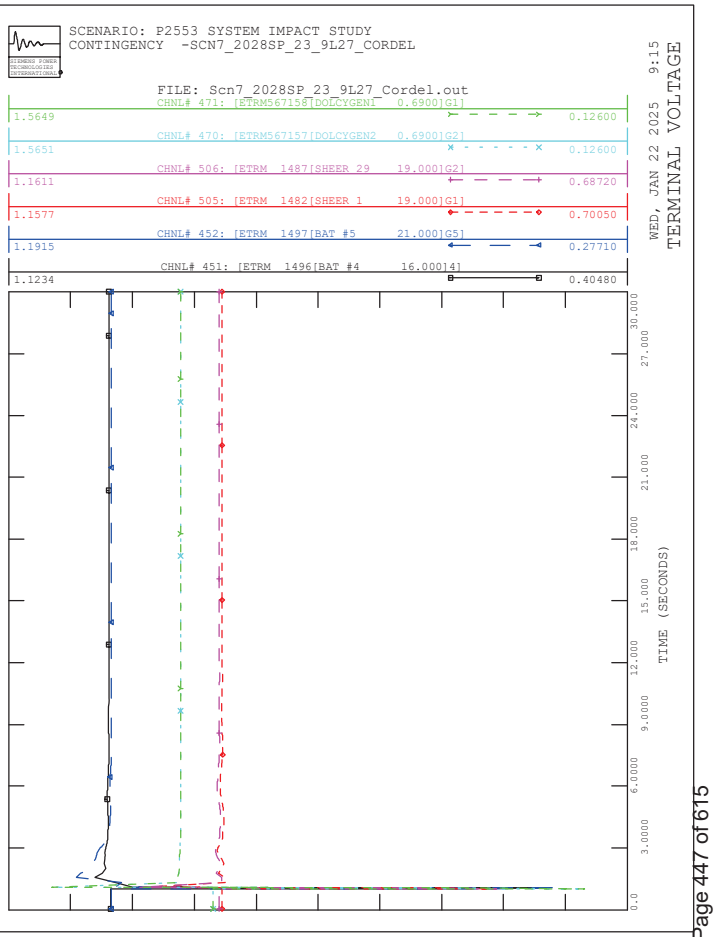
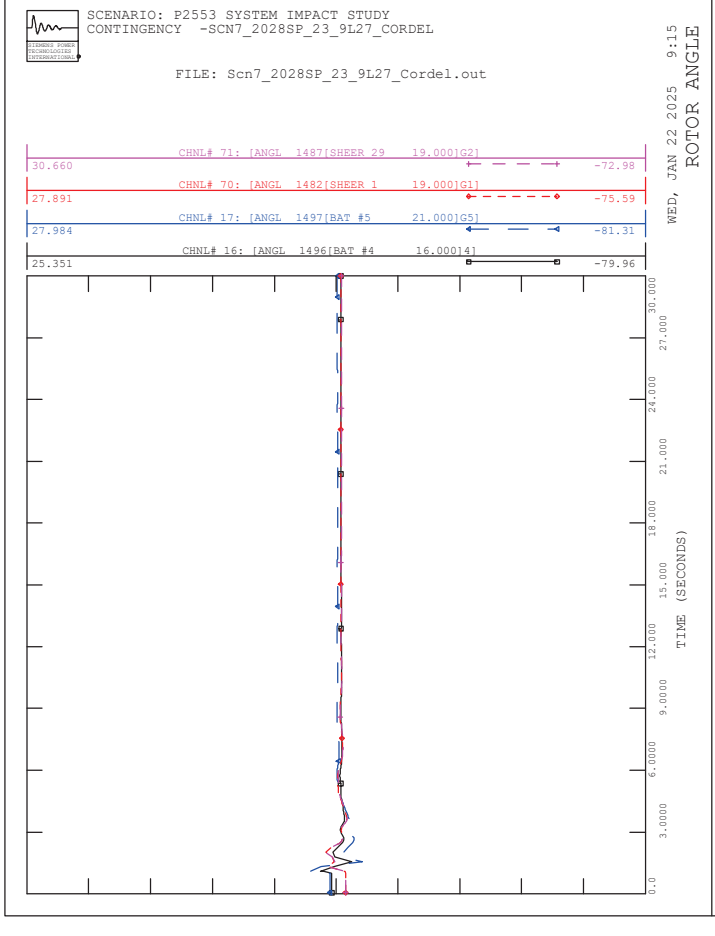
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_23_9L27_CORDEL
FILE: Scn7_2028SP_23_9L27_Cordel.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.5649
0.12600
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.5651
0.12600
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1611
0.68720
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1577
0.70050
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1915
0.27710
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1234
0.40480
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_23_9L27_CORDEL
FILE: Scn7_2028SP_23_9L27_Cordel.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
30.660
-72.98
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
27.891
-75.59
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
27.984
-81.31
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
25.351
-79.96
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
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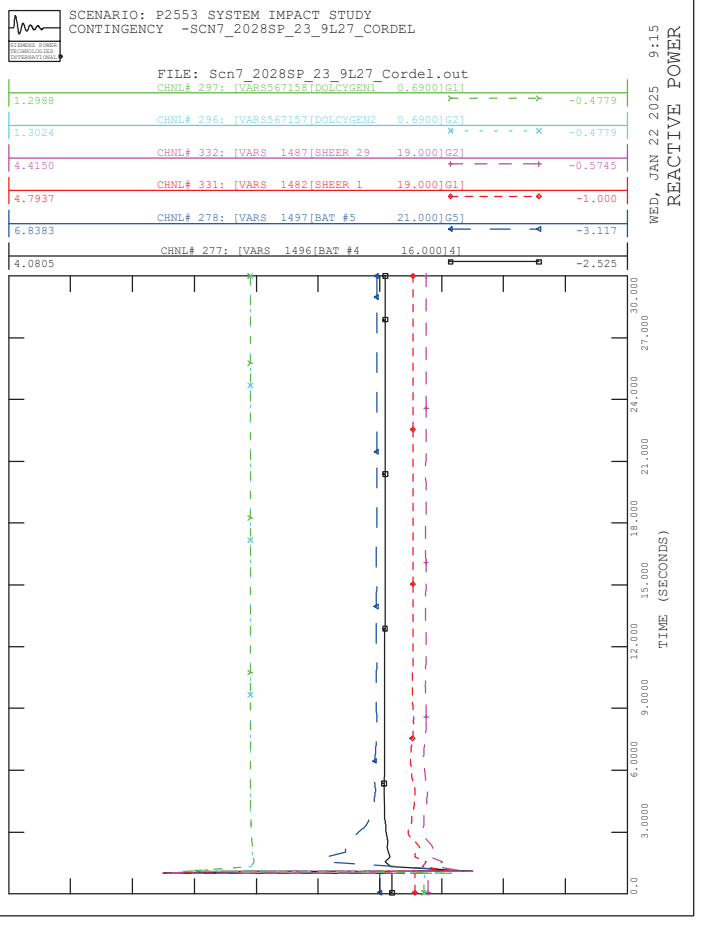
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_23_9L27_CORDEL
FILE: Scn7_2028SP_23_9L27_Cordel.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.2988
-0.4779
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.3024
-0.4779
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
4.4150
-0.5745
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
4.7937
-1.000
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
6.8383
-3.117
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
4.0805
-2.525
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_23_9L27_CORDEL

FILE: Scn7_2028SP_23_9L27_Cordel.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.4874 0.11690

CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.3381 0.09470

CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.1836 0.28740

CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2147 -0.0908

CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.4644 -0.0261

CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.4323 0.14580

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_23_9L27_CORDEL

FILE: Scn7_2028SP_23_9L27_Cordel.out

WED, JAN 22 2025 9:15

BRANCH Q

CHNL# 562: [885L_Q]
268.59 -174.4

CHNL# 560: [9L27_Q]
86.597 -61.85

CHNL# 558: [9L966_Q]
1324.3 -1317.

CHNL# 556: [954L_Q]
265.30 -376.2

CHNL# 554: [9L20_Q]
1202.2 -862.9

CHNL# 552: [398L_Q]
98.482 -90.89

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_23_9L27_CORDEL

FILE: Scn7_2028SP_23_9L27_Cordel.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 540: [VOLT 362 [EDGERT07 138.00]]
1.3851 0.17360

CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.4121 0.14490

CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.4169 0.13490

CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.3735 0.07030

CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.4178 0.13550

CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.4842 0.11990

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_23_9L27_CORDEL

FILE: Scn7_2028SP_23_9L27_Cordel.out

WED, JAN 22 2025 9:15

BRANCH P

CHNL# 561: [885L_P]
462.59 -307.4

CHNL# 559: [9L27_P]
600.72 -841.0

CHNL# 557: [9L966_P]
350.20 -479.1

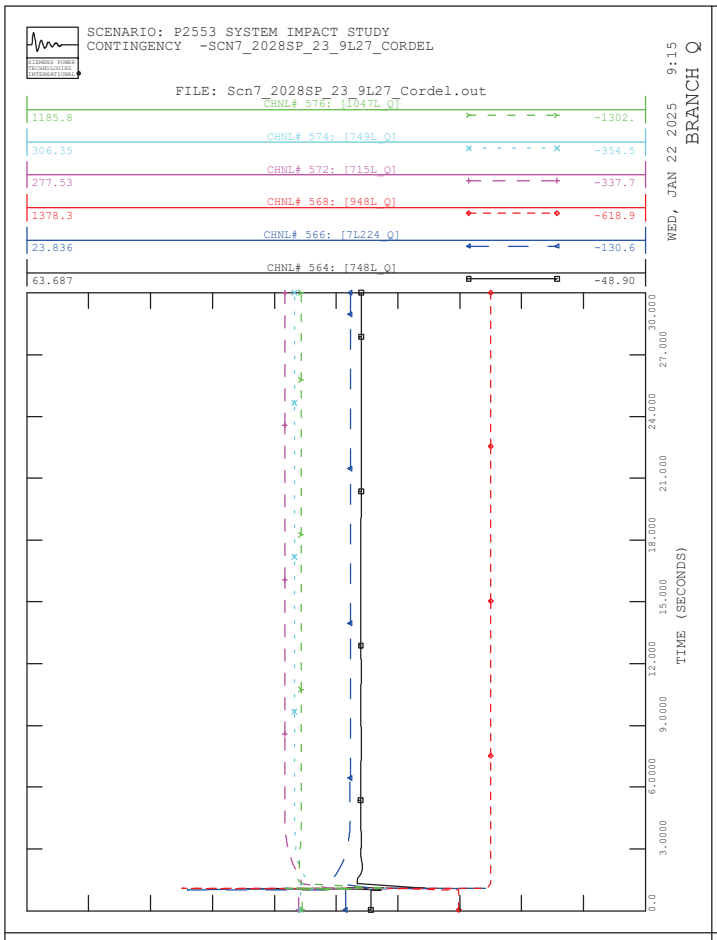
CHNL# 555: [954L_P]
141.15 -152.0

CHNL# 553: [9L20_P]
1075.7 -1351.

CHNL# 551: [398L_P]
79.841 -119.4

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000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1185.8
-1302.
CHNL# 574: [749L_Q]
306.35
-354.5
CHNL# 572: [715L_Q]
277.53
-337.7
CHNL# 568: [948L_Q]
1378.3
-618.9
CHNL# 566: [7L224_Q]
23.836
-130.6
CHNL# 564: [748L_Q]
63.687
-48.90
WED, JAN 22 2025 9:15
BRANCH Q
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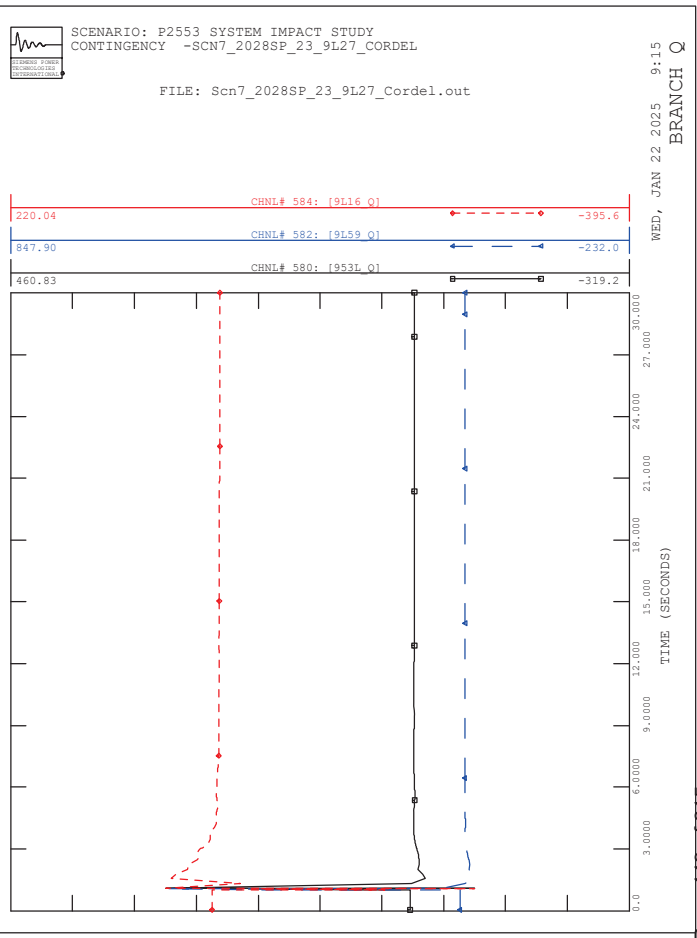
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220.04
-395.6
CHNL# 582: [9L59_Q]
847.90
-232.0
CHNL# 580: [953L_Q]
460.83
-319.2
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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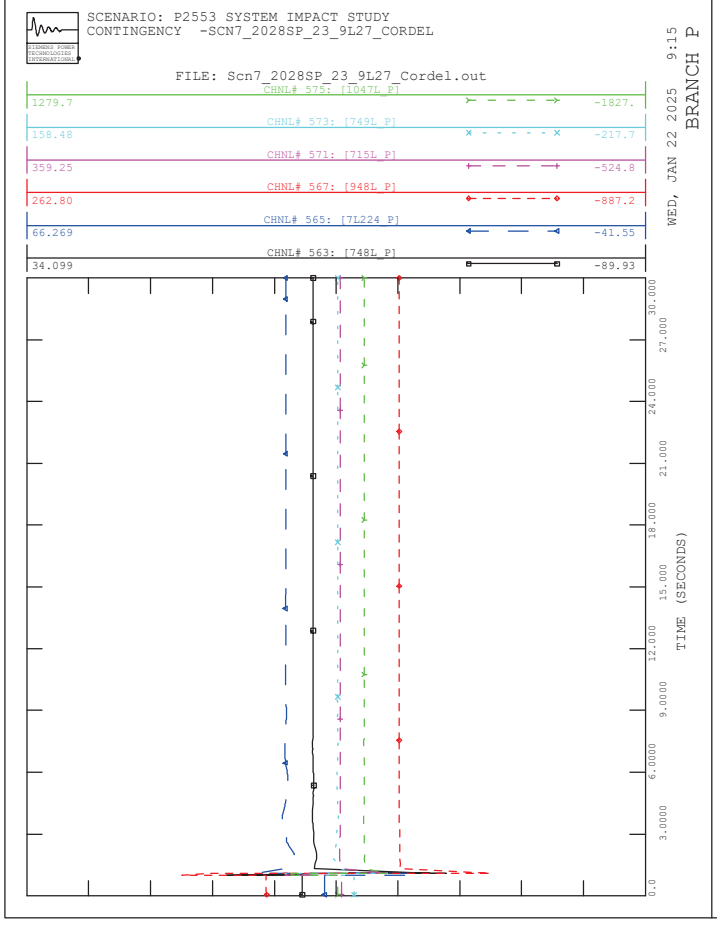
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1279.7
-1827.
CHNL# 573: [749L_P]
158.48
-217.7
CHNL# 571: [715L_P]
359.25
-524.8
CHNL# 567: [948L_P]
262.80
-887.2
CHNL# 565: [7L224_P]
66.269
-41.55
CHNL# 563: [748L_P]
34.099
-89.93
WED, JAN 22 2025 9:15
BRANCH P
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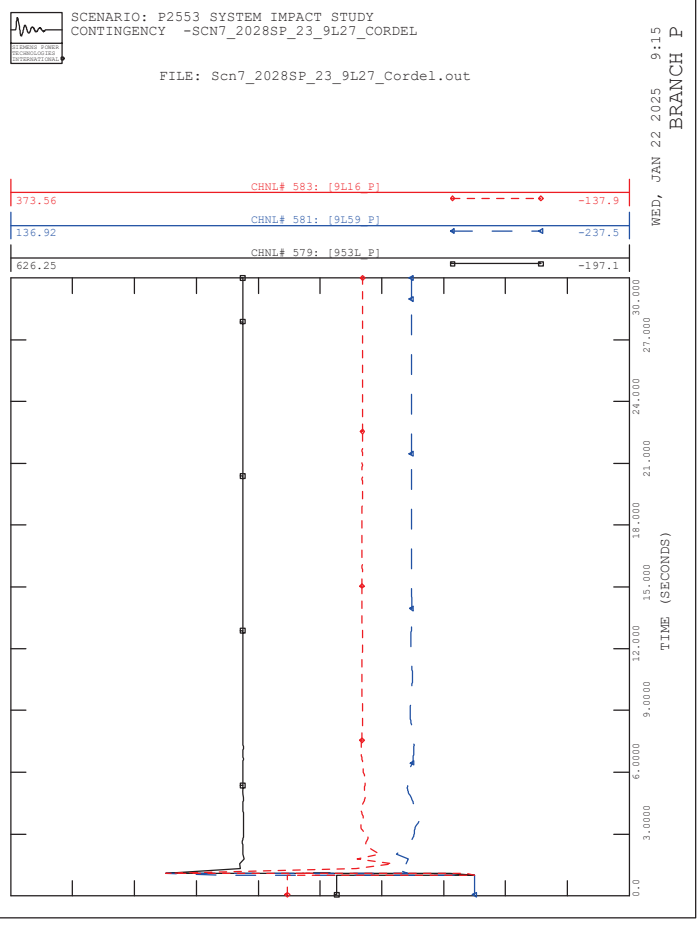
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373.56
-137.9
CHNL# 581: [9L59_P]
136.92
-237.5
CHNL# 579: [953L_P]
626.25
-197.1
WED, JAN 22 2025 9:15
BRANCH P
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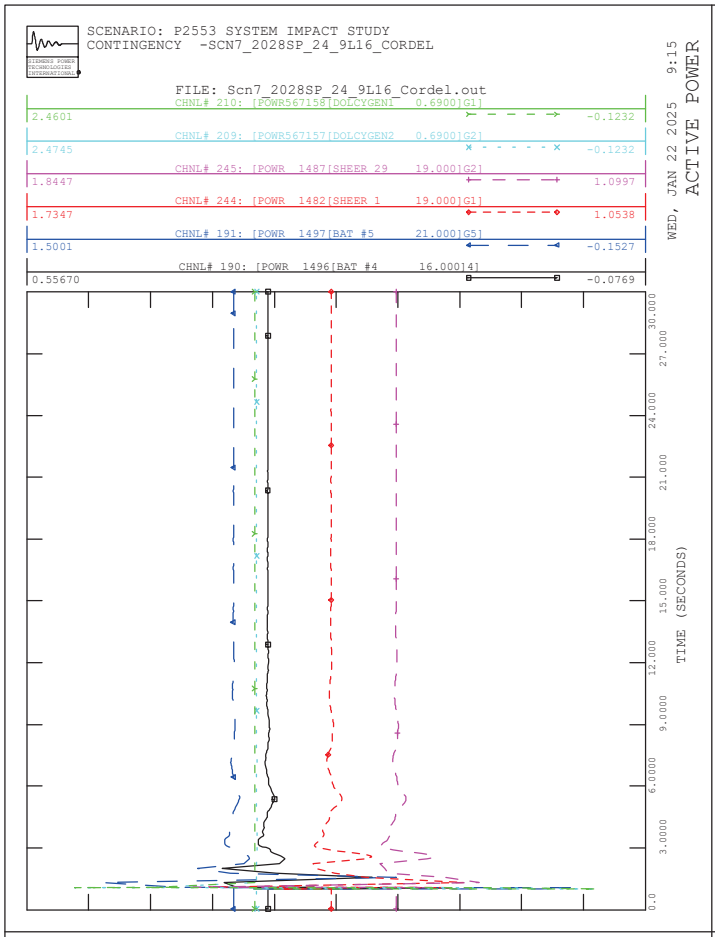
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FILE: Scn7_2028SP_24_9L16_Cordel.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.4601
-0.1232
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.4745
-0.1232
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.8447
1.0997
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.7347
1.0538
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.5001
-0.1527
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.55670
-0.0769
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
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6.0000
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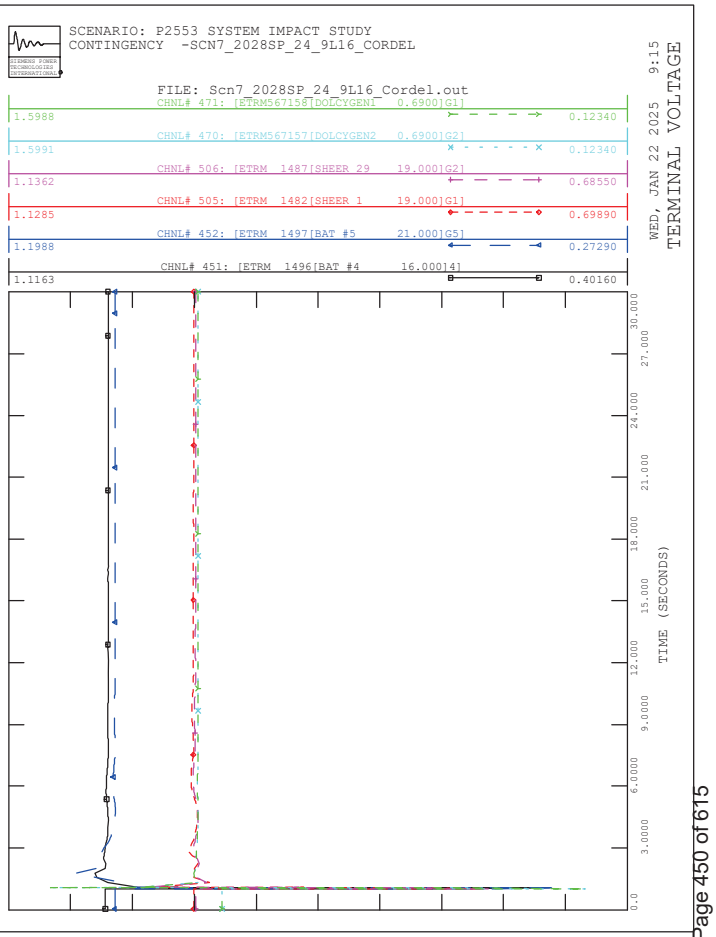
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_24_9L16_CORDEL
FILE: Scn7_2028SP_24_9L16_Cordel.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.5988
0.12340
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.5991
0.12340
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1362
0.68550
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1285
0.69890
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1988
0.27290
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1163
0.40160
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
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18.000
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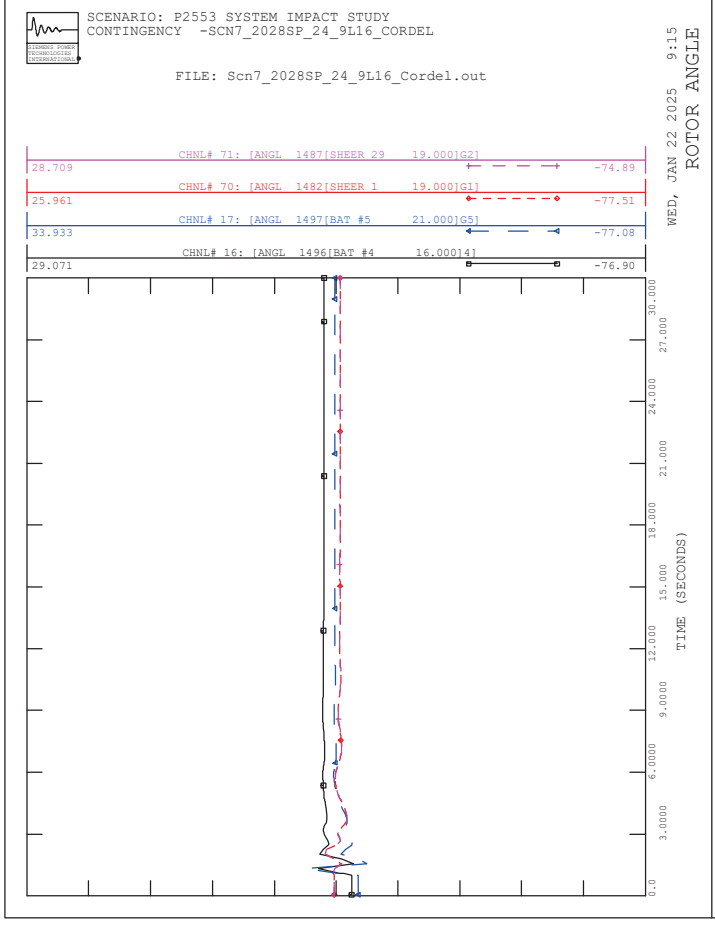
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_24_9L16_CORDEL
FILE: Scn7_2028SP_24_9L16_Cordel.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
28.709
-74.89
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
25.961
-77.51
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
33.933
-77.08
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
29.071
-76.90
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
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18.000
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24.000
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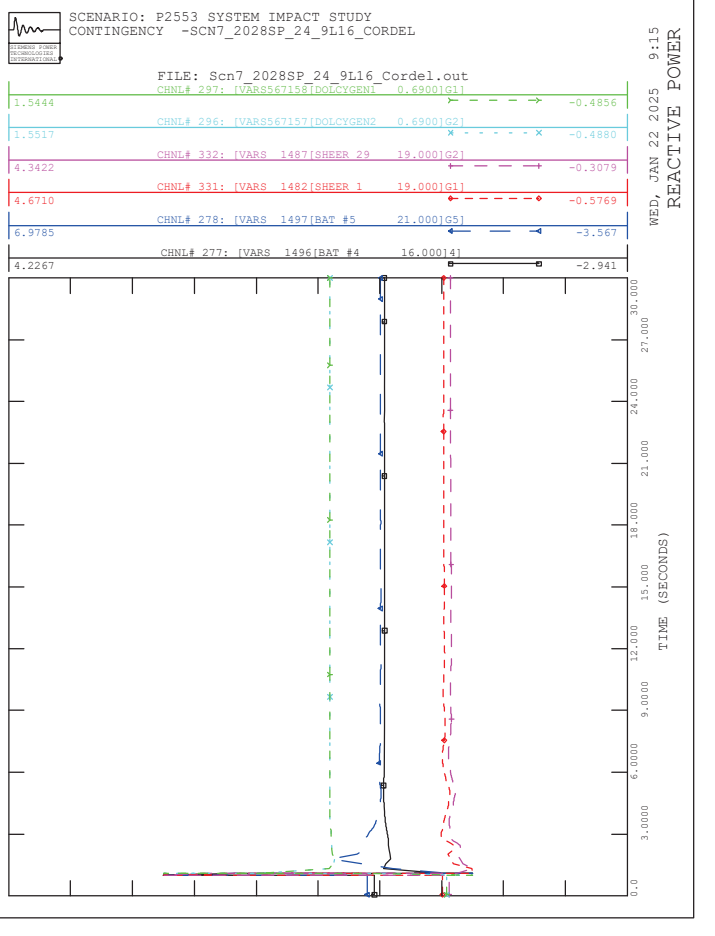
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_24_9L16_CORDEL
FILE: Scn7_2028SP_24_9L16_Cordel.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.5444
-0.4856
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.5517
-0.4880
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
4.3422
-0.3079
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
4.6710
-0.5769
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
6.9785
-3.567
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
4.2267
-2.941
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
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6.0000
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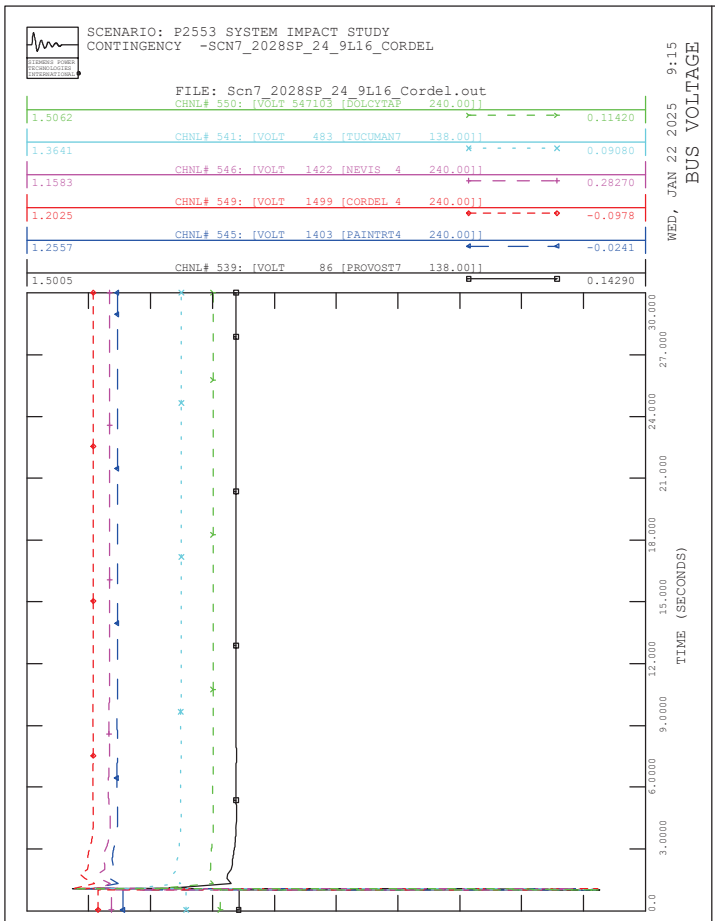
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CONTINGENCY -SCN7_2028SP_24_9L16_CORDEL
FILE: Scn7_2028SP_24_9L16_Cordel.out
CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.5062
0.11420
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.3641
0.09080
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.1583
0.28270
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2025
-0.0978
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.2557
-0.0241
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.5005
0.14290
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
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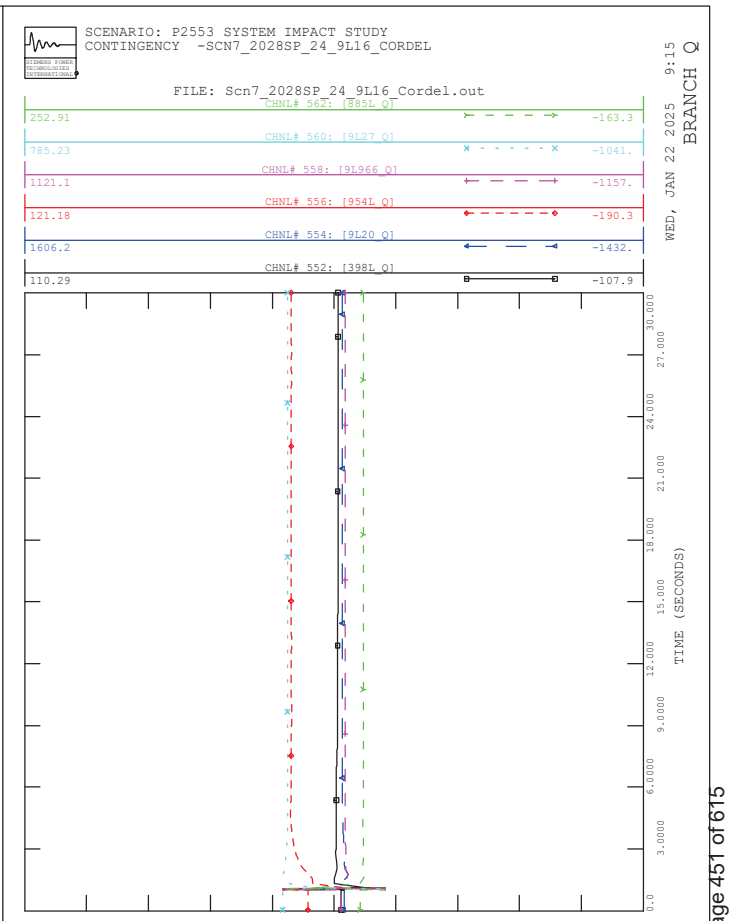
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_24_9L16_CORDEL
FILE: Scn7_2028SP_24_9L16_Cordel.out
CHNL# 562: [885L Q]
252.91
-163.3
CHNL# 560: [9L27 Q]
785.23
-1041.
CHNL# 558: [9L966 Q]
1121.1
-1157.
CHNL# 556: [954L Q]
121.18
-190.3
CHNL# 554: [9L20 Q]
1606.2
-1432.
CHNL# 552: [398L Q]
110.29
-107.9
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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6.0000
9.0000
12.000
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18.000
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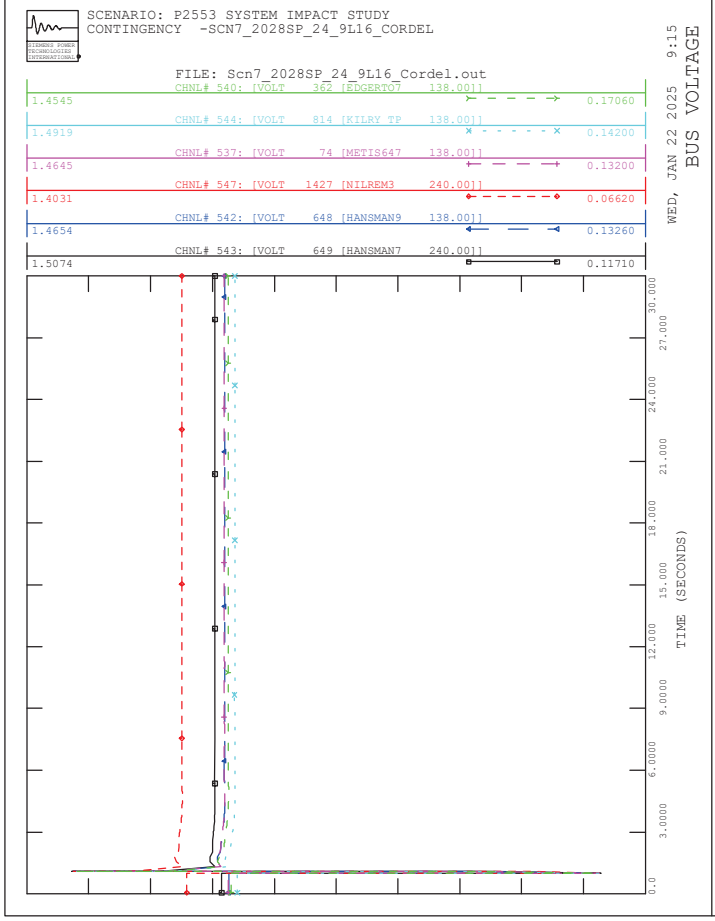
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_24_9L16_CORDEL
FILE: Scn7_2028SP_24_9L16_Cordel.out
CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.4545
0.17060
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.4919
0.14200
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.4645
0.13200
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.4031
0.06620
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.4654
0.13260
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.5074
0.11710
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
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18.000
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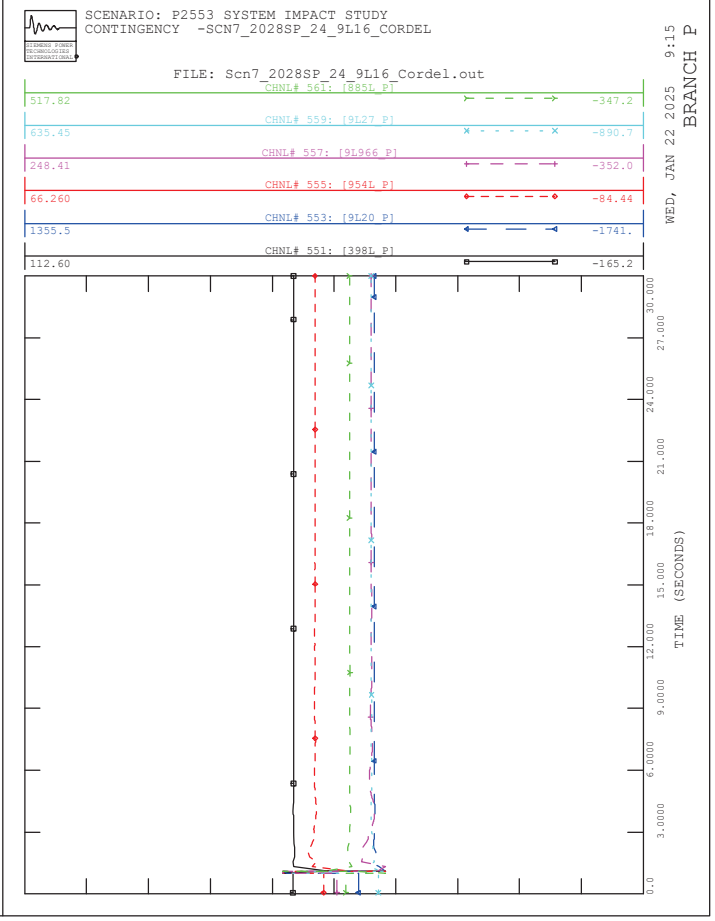
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CONTINGENCY -SCN7_2028SP_24_9L16_CORDEL
FILE: Scn7_2028SP_24_9L16_Cordel.out
CHNL# 561: [885L P]
517.82
-347.2
CHNL# 559: [9L27 P]
635.45
-890.7
CHNL# 557: [9L966 P]
248.41
-352.0
CHNL# 555: [954L P]
66.260
-84.44
CHNL# 553: [9L20 P]
1355.5
-1741.
CHNL# 551: [398L P]
112.60
-165.2
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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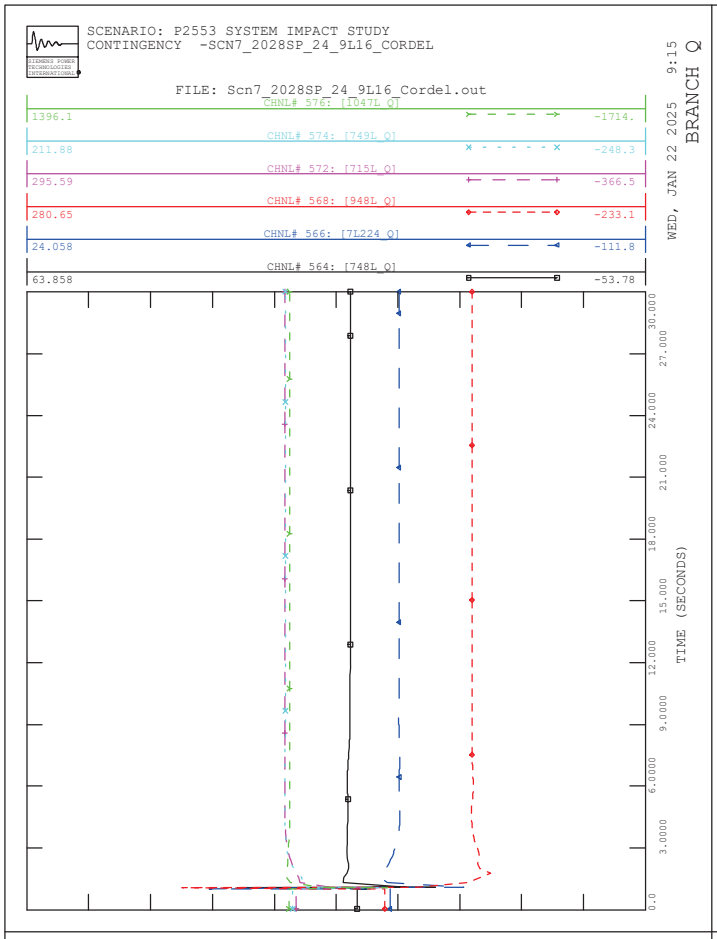
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_24_9L16_CORDEL
FILE: Scn7_2028SP_24_9L16_Cordel.out
CHNL# 576: [I047L Q]
1396.1
-1714.
CHNL# 574: [749L Q]
211.88
-248.3
CHNL# 572: [715L Q]
295.59
-366.5
CHNL# 568: [948L Q]
280.65
-233.1
CHNL# 566: [7L224 Q]
24.058
-111.8
CHNL# 564: [748L Q]
63.858
-53.78
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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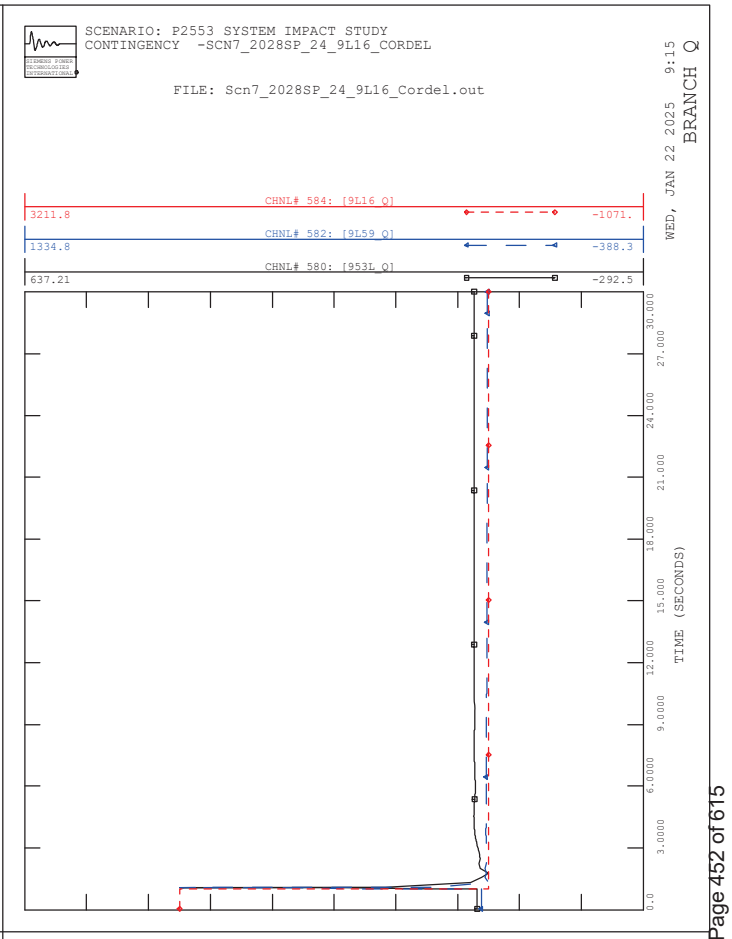
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_24_9L16_CORDEL
FILE: Scn7_2028SP_24_9L16_Cordel.out
CHNL# 584: [9L16 Q]
3211.8
-1071.
CHNL# 582: [9L59 Q]
1334.8
-388.3
CHNL# 580: [953L Q]
637.21
-292.5
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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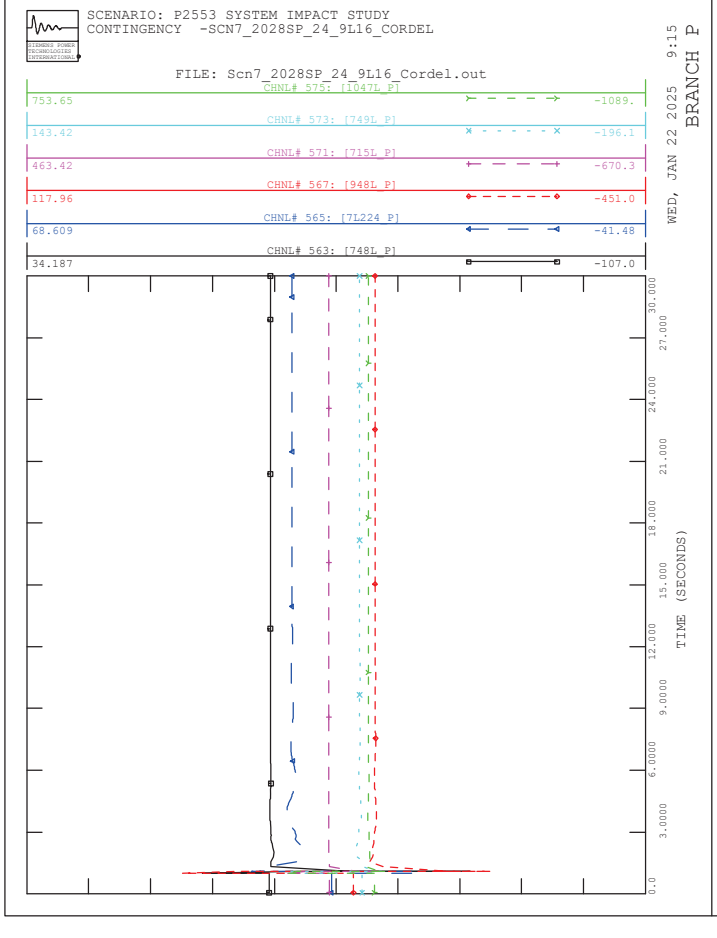
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_24_9L16_CORDEL
FILE: Scn7_2028SP_24_9L16_Cordel.out
CHNL# 575: [I047L P]
753.65
-1089.
CHNL# 573: [749L P]
143.42
-196.1
CHNL# 571: [715L P]
463.42
-670.3
CHNL# 567: [948L P]
117.96
-451.0
CHNL# 565: [7L224 P]
68.609
-41.48
CHNL# 563: [748L P]
34.187
-107.0
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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12.000
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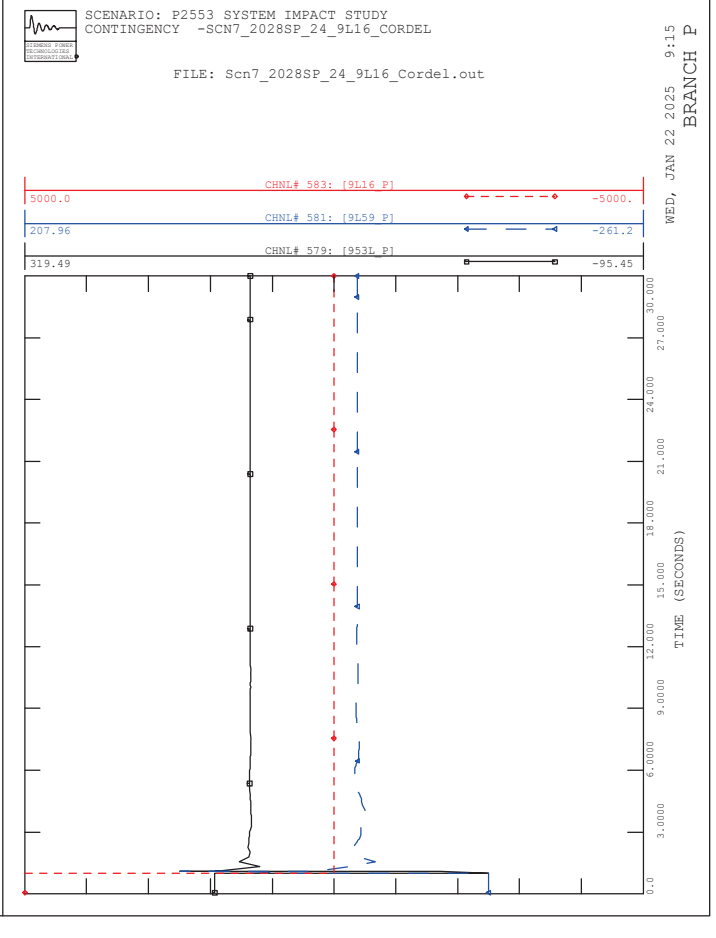
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_24_9L16_CORDEL
FILE: Scn7_2028SP_24_9L16_Cordel.out
CHNL# 583: [9L16 P]
5000.0
-5000.
CHNL# 581: [9L59 P]
207.96
-261.2
CHNL# 579: [953L P]
319.49
-95.45
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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6.0000
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12.000
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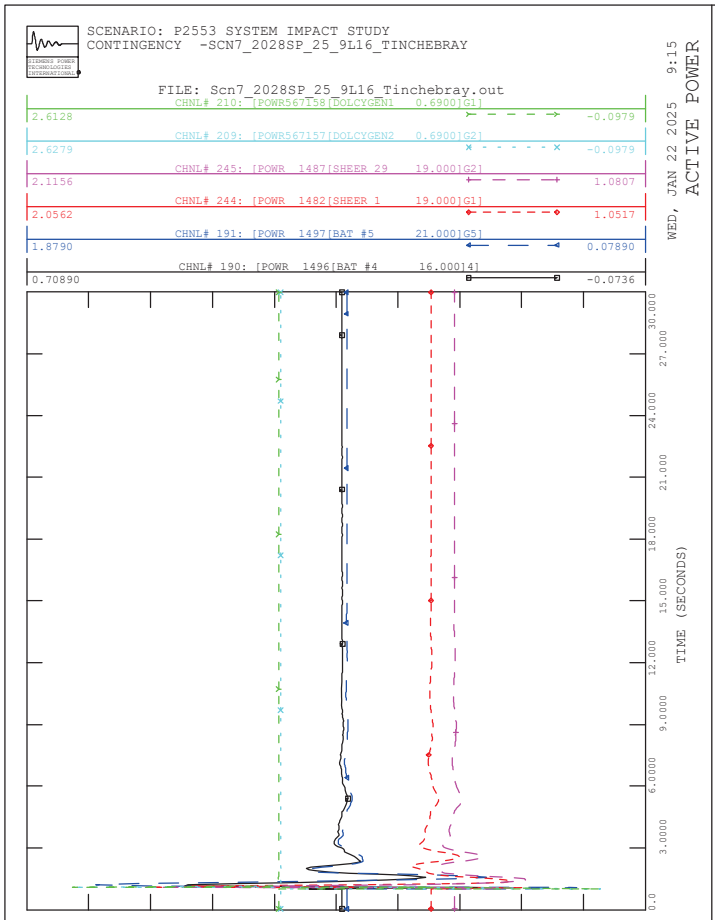
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_25_9L16_TINCHEBRAY
FILE: Scn7_2028SP_25_9L16_Tinchebray.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.6128
-0.0979
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.6279
-0.0979
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
2.1156
1.0807
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
2.0562
1.0517
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.8790
0.07890
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.70890
-0.0736
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
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3.0000
6.0000
9.0000
12.000
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18.000
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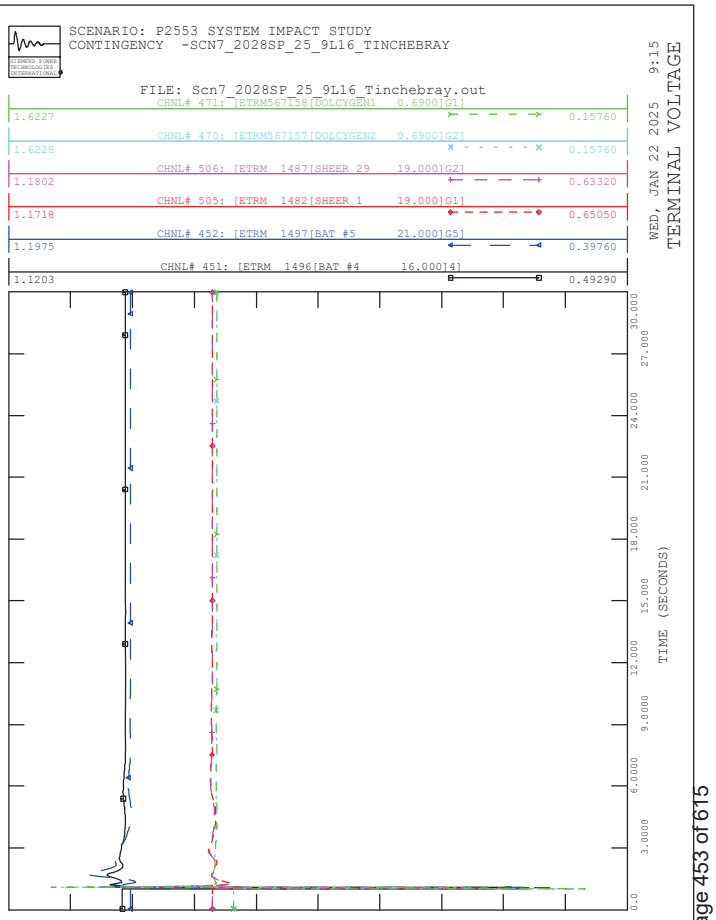
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_25_9L16_TINCHEBRAY
FILE: Scn7_2028SP_25_9L16_Tinchebray.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.6227
0.15760
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.6228
0.15760
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1802
0.63320
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1718
0.65050
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1975
0.39760
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1203
0.49290
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
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6.0000
9.0000
12.000
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18.000
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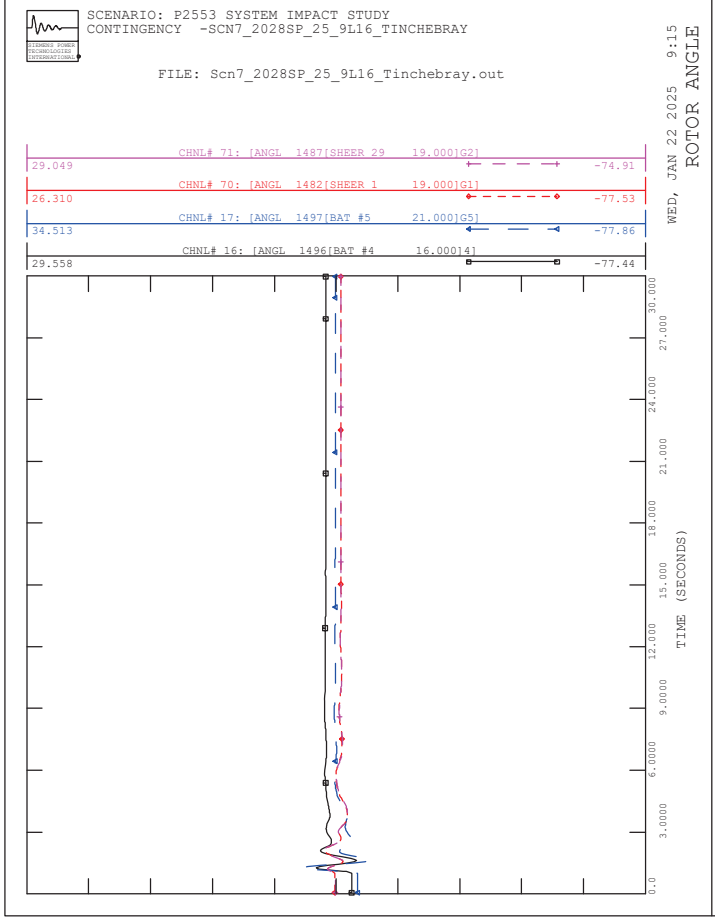
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_25_9L16_TINCHEBRAY
FILE: Scn7_2028SP_25_9L16_Tinchebray.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
29.049
-74.91
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
26.310
-77.53
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
34.513
-77.86
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
29.558
-77.44
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
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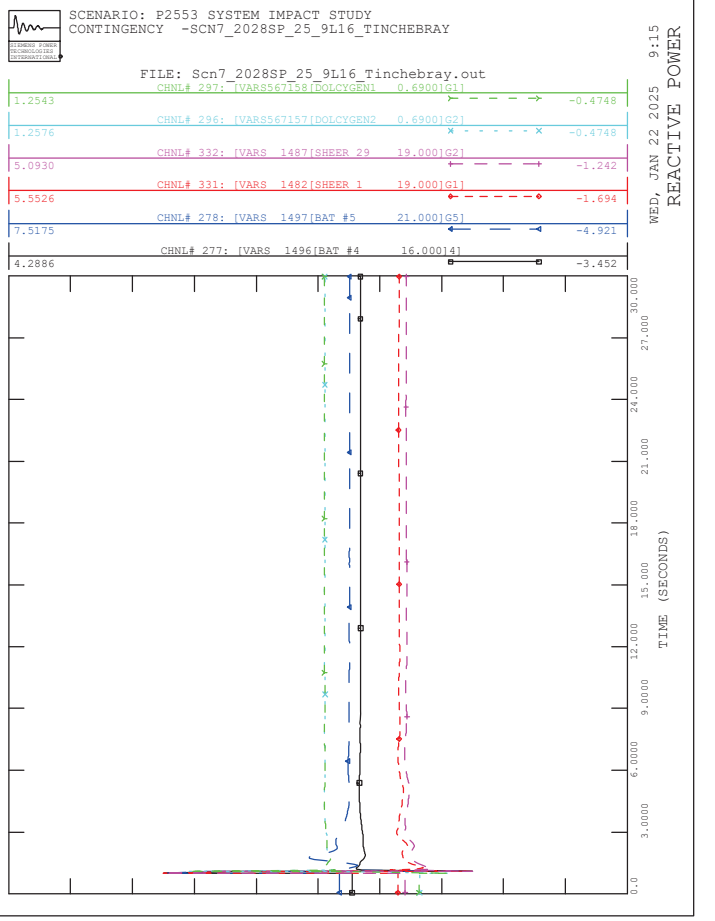
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_25_9L16_TINCHEBRAY
FILE: Scn7_2028SP_25_9L16_Tinchebray.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.2543
-0.4748
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.2576
-0.4748
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
5.0930
-1.242
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
5.5526
-1.694
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
7.5175
-4.921
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
4.2886
-3.452
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
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3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
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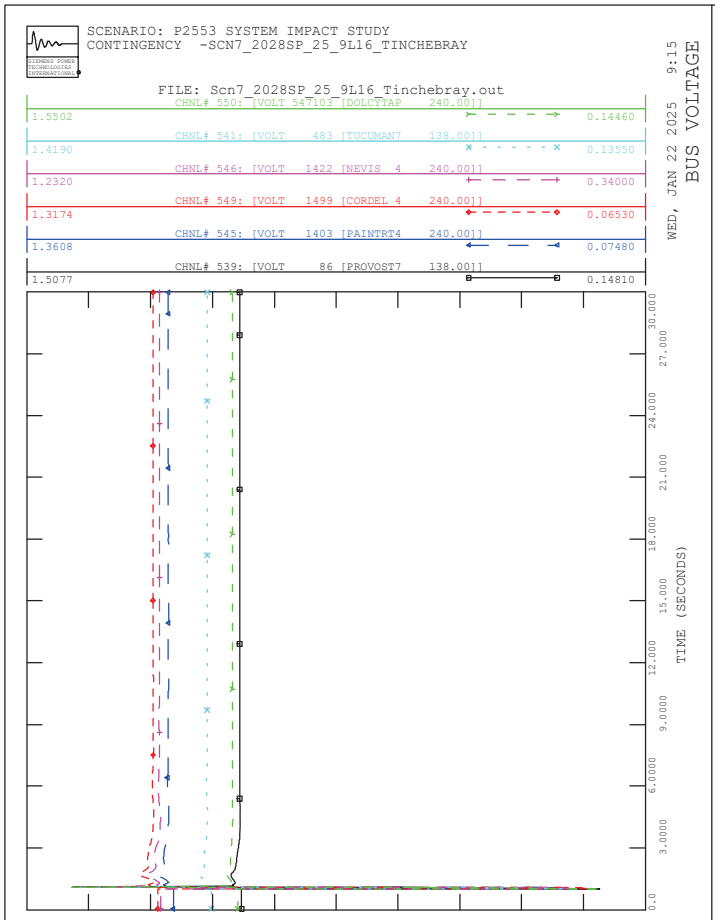
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_25_9L16_TINCHEBRAY
FILE: Scn7_2028SP_25_9L16_Tinchebray.out
CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.5502
0.14460
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.4190
0.13550
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.2320
0.34000
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.3174
0.06530
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.3608
0.07480
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.5077
0.14810
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
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6.0000
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12.000
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18.000
21.000
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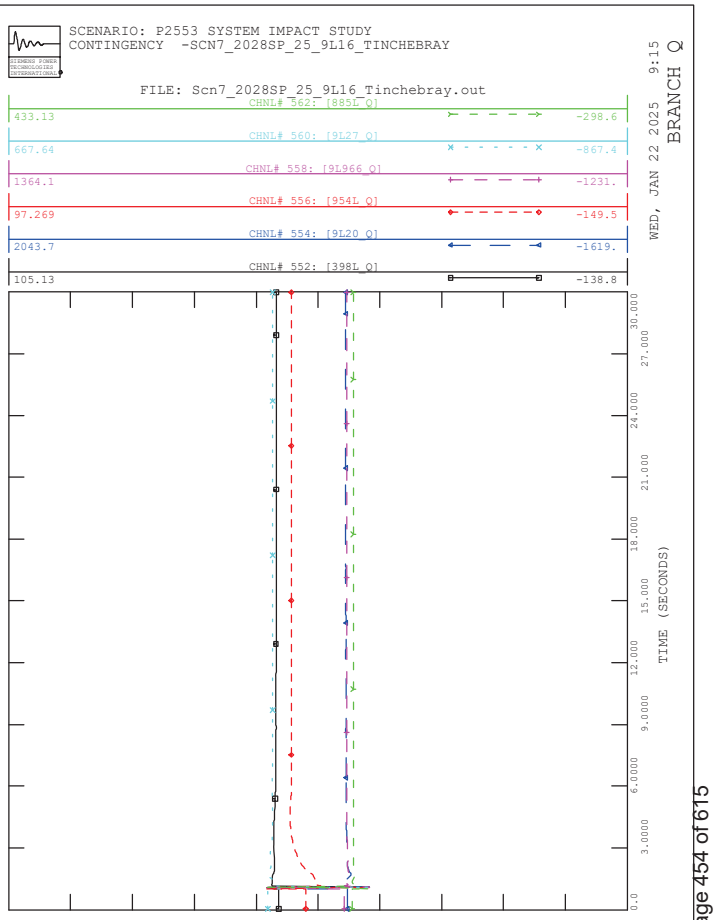
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_25_9L16_TINCHEBRAY
FILE: Scn7_2028SP_25_9L16_Tinchebray.out
CHNL# 562: [885L_Q]
433.13
-298.6
CHNL# 560: [9L27_Q]
667.64
-867.4
CHNL# 558: [9L966_Q]
1364.1
-1231.
CHNL# 556: [954L_Q]
97.269
-149.5
CHNL# 554: [9L20_Q]
2043.7
-1619.
CHNL# 552: [398L_Q]
105.13
-138.8
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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18.000
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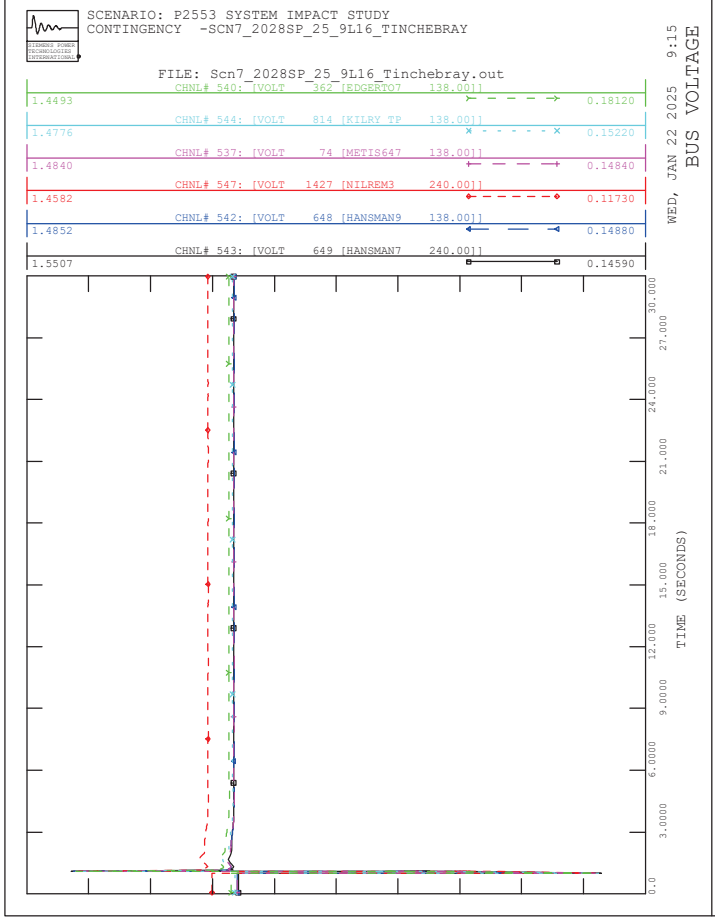
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_25_9L16_TINCHEBRAY
FILE: Scn7_2028SP_25_9L16_Tinchebray.out
CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.4493
0.18120
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.4776
0.15220
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.4840
0.14840
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.4582
0.11730
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.4852
0.14880
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.5507
0.14590
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
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6.0000
9.0000
12.000
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18.000
21.000
24.000
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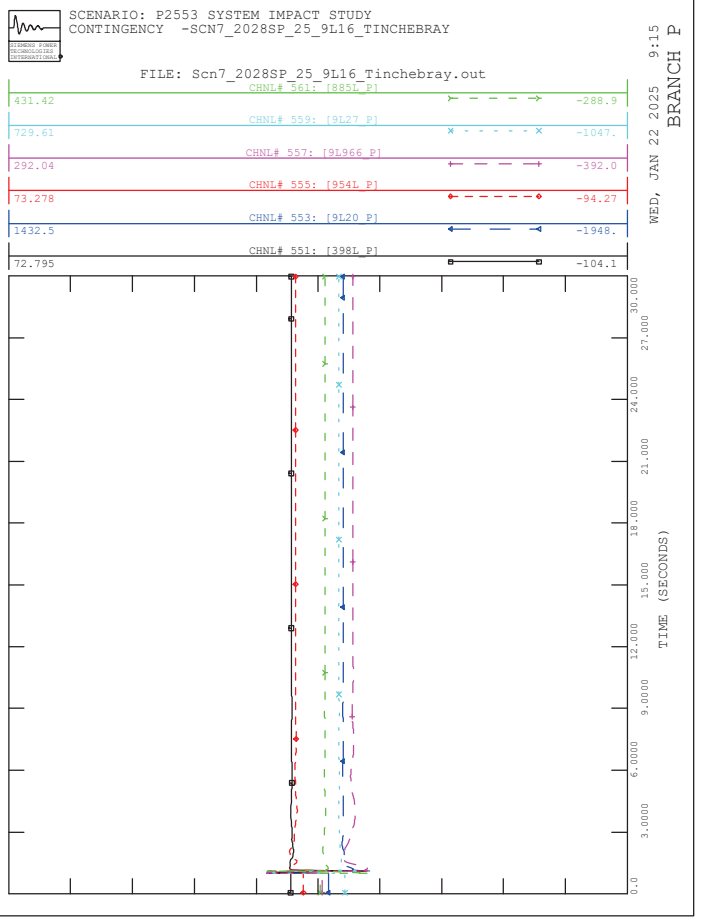
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_25_9L16_TINCHEBRAY
FILE: Scn7_2028SP_25_9L16_Tinchebray.out
CHNL# 561: [885L_P]
431.42
-288.9
CHNL# 559: [9L27_P]
729.61
-1047.
CHNL# 557: [9L966_P]
292.04
-392.0
CHNL# 555: [954L_P]
73.278
-94.27
CHNL# 553: [9L20_P]
1432.5
-1948.
CHNL# 551: [398L_P]
72.795
-104.1
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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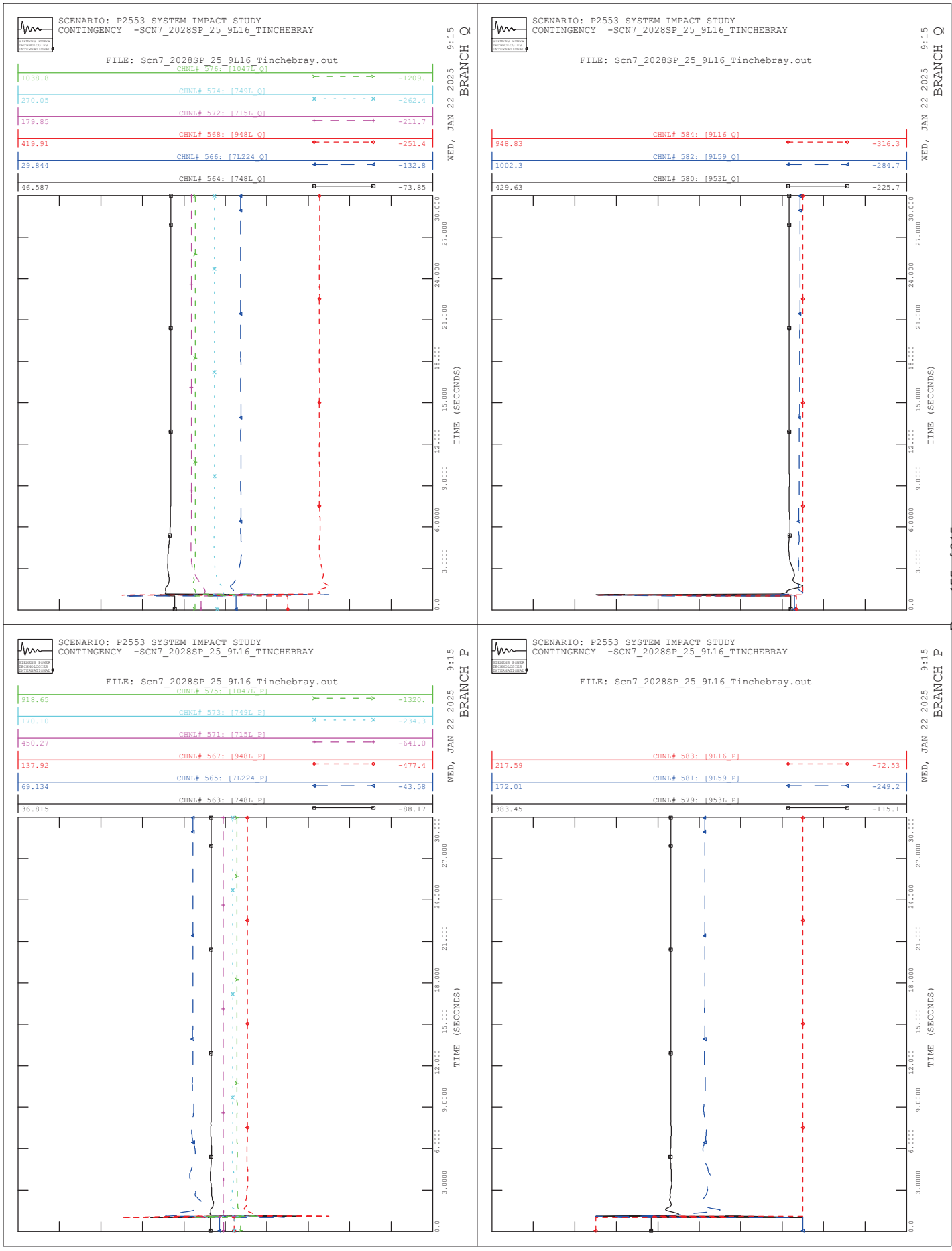
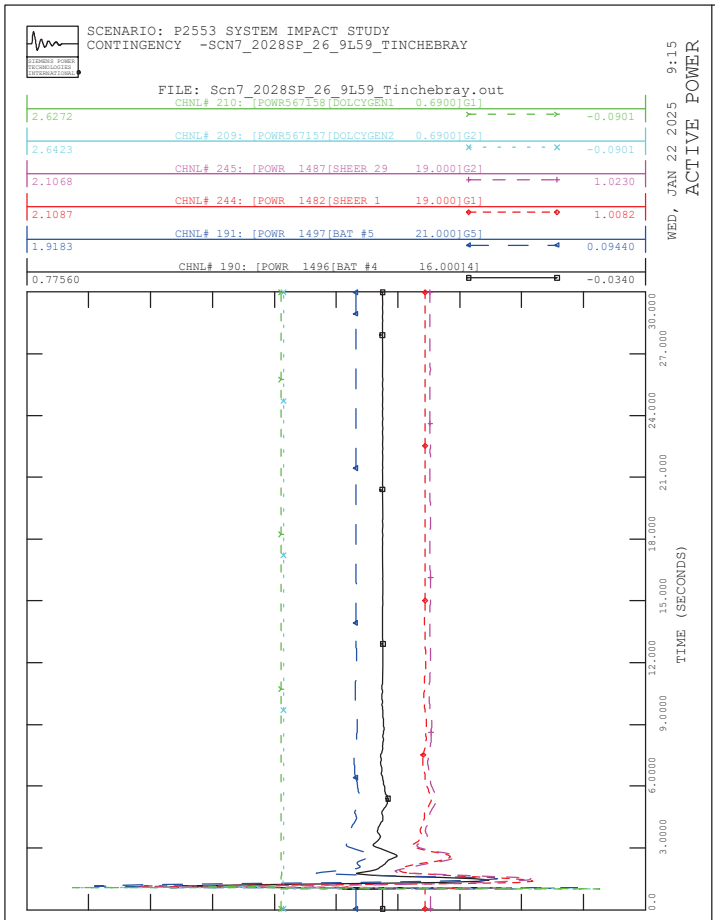
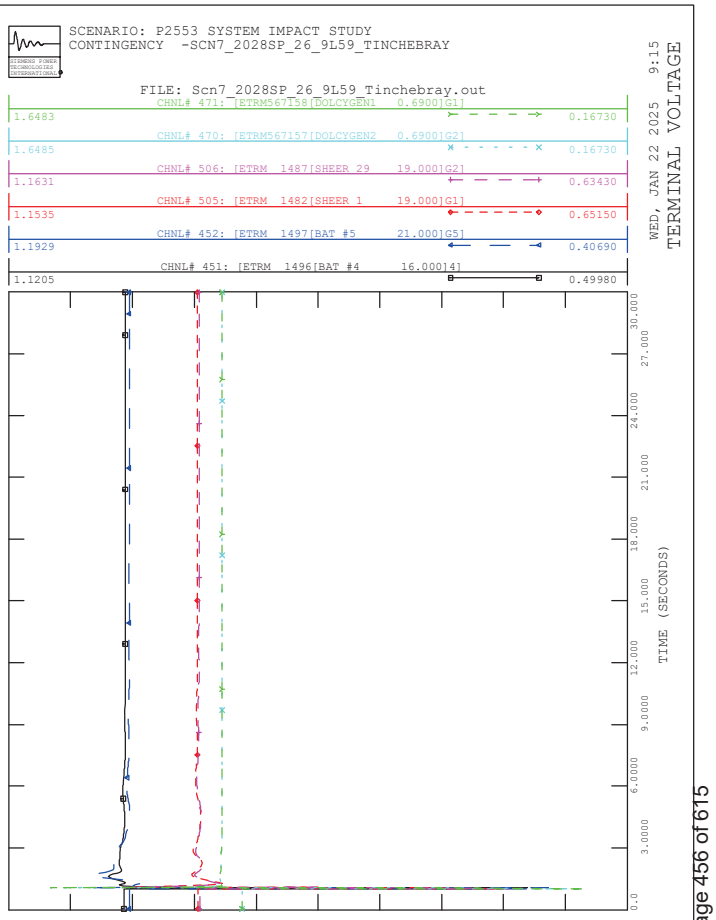
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_25_9L16_TINCHEBRAY
FILE: Scn7_2028SP_25_9L16_Tinchebray.out
CHNL# 576: [1047L Q]
1038.8
-1209.
CHNL# 574: [749L Q]
270.05
-262.4
CHNL# 572: [715L Q]
179.85
-211.7
CHNL# 568: [948L Q]
419.91
-251.4
CHNL# 566: [7L224 Q]
29.844
-132.8
CHNL# 564: [748L Q]
46.587
-73.85
BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_25_9L16_TINCHEBRAY
FILE: Scn7_2028SP_25_9L16_Tinchebray.out
CHNL# 584: [9L16 Q]
948.83
-316.3
CHNL# 582: [9L59 Q]
1002.3
-284.7
CHNL# 580: [953L Q]
429.63
-225.7
BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_25_9L16_TINCHEBRAY
FILE: Scn7_2028SP_25_9L16_Tinchebray.out
CHNL# 575: [1047L P]
918.65
-1320.
CHNL# 573: [749L P]
170.10
-234.3
CHNL# 571: [715L P]
450.27
-641.0
CHNL# 567: [948L P]
137.92
-477.4
CHNL# 565: [7L224 P]
69.134
-43.58
CHNL# 563: [748L P]
36.815
-88.17
BRANCH P
WED, JAN 22 2025 9:15
TIME (SECONDS)
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_25_9L16_TINCHEBRAY
FILE: Scn7_2028SP_25_9L16_Tinchebray.out
CHNL# 583: [9L16 P]
217.59
-72.53
CHNL# 581: [9L59 P]
172.01
-249.2
CHNL# 579: [953L P]
383.45
-115.1
BRANCH P
WED, JAN 22 2025 9:15
TIME (SECONDS)


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_26_9L59_TINCHEBRAY
FILE: Scn7_2028SP_26_9L59_Tinchebray.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.6272
-0.0901
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.6423
-0.0901
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
2.1068
1.0230
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
2.1087
1.0082
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.9183
0.09440
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.77560
-0.0340
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000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CONTINGENCY -SCN7_2028SP_26_9L59_TINCHEBRAY
FILE: Scn7_2028SP_26_9L59_Tinchebray.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.6483
0.16730
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.6485
0.16730
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1631
0.63430
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1535
0.65150
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1929
0.40690
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1205
0.49980
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
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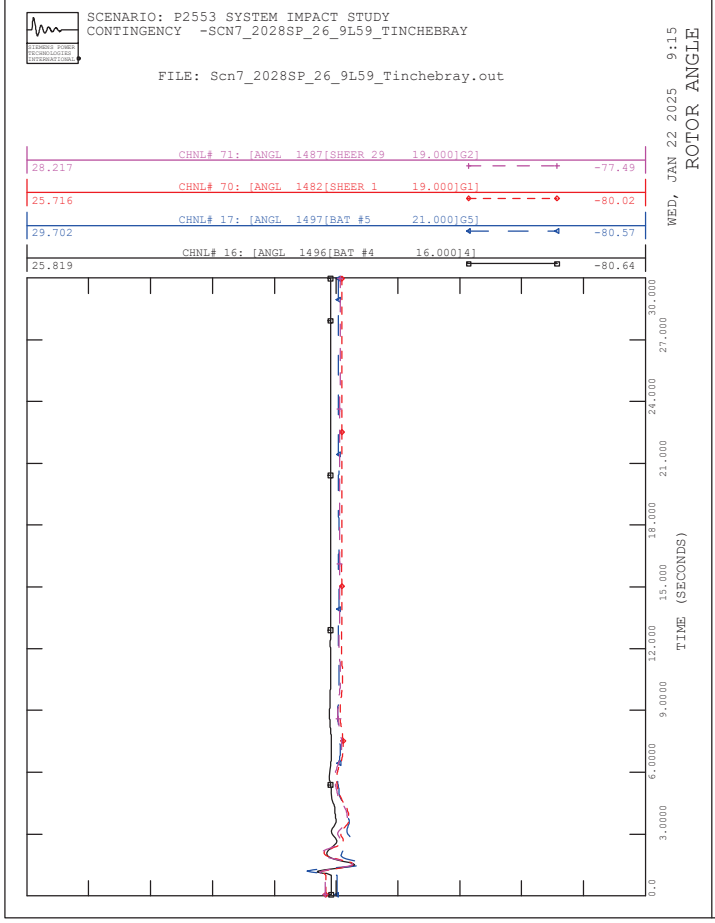
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_26_9L59_TINCHEBRAY
FILE: Scn7_2028SP_26_9L59_Tinchebray.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
28.217
-77.49
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
25.716
-80.02
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
29.702
-80.57
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
25.819
-80.64
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
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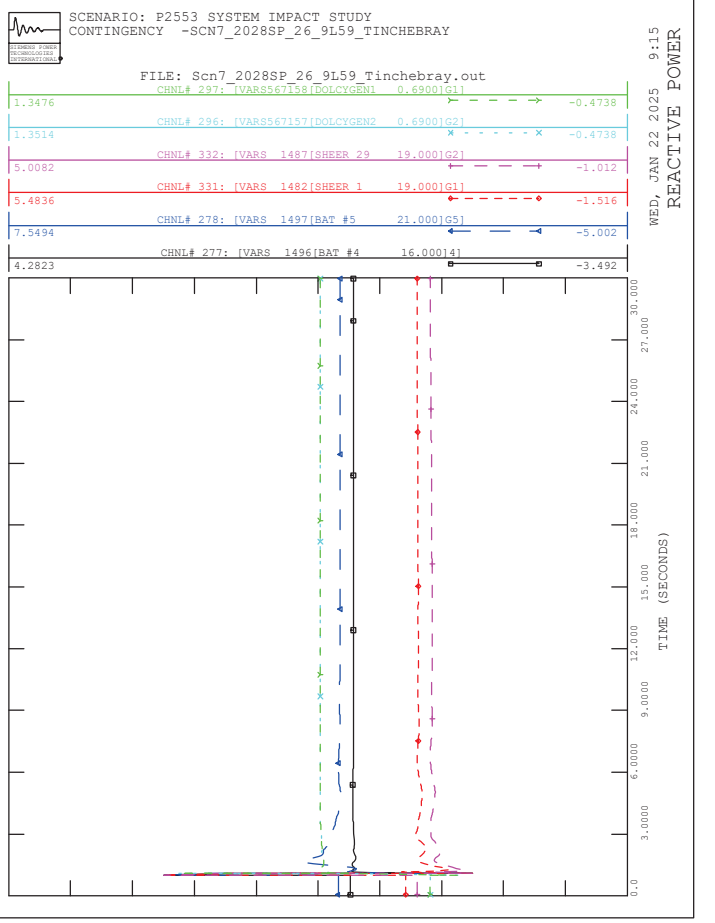
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_26_9L59_TINCHEBRAY
FILE: Scn7_2028SP_26_9L59_Tinchebray.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.3476
-0.4738
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.3514
-0.4738
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
5.0082
-1.012
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
5.4836
-1.516
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
7.5494
-5.002
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
4.2823
-3.492
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_26_9L59_TINCHEBRAY

FILE: Scn7_2028SP_26_9L59_Tinchebray.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.5688 0.15420
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.4371 0.14530
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.2451 0.34780
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.3259 0.07720
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.3703 0.08620
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.5305 0.15720

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_26_9L59_TINCHEBRAY

FILE: Scn7_2028SP_26_9L59_Tinchebray.out

WED, JAN 22 2025 9:15

BRANCH Q

CHNL# 562: [885L_Q]
394.73 -271.0
CHNL# 560: [9L27_Q]
646.68 -847.7
CHNL# 558: [9L966_Q]
1024.9 -1135.
CHNL# 556: [954L_Q]
99.863 -153.6
CHNL# 554: [9L20_Q]
1394.7 -1211.
CHNL# 552: [398L_Q]
110.19 -144.6

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_26_9L59_TINCHEBRAY

FILE: Scn7_2028SP_26_9L59_Tinchebray.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.4712 0.19000
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.4993 0.16120
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.5026 0.15750
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.4787 0.12770
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.5038 0.15790
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.5693 0.15550

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_26_9L59_TINCHEBRAY

FILE: Scn7_2028SP_26_9L59_Tinchebray.out

WED, JAN 22 2025 9:15

BRANCH P

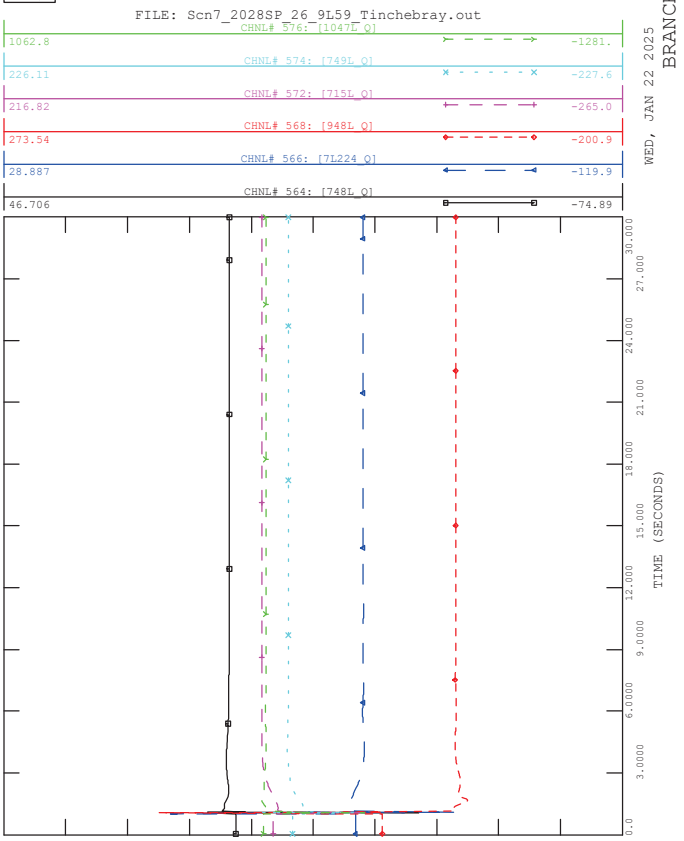
CHNL# 561: [885L_P]
512.43 -345.6
CHNL# 559: [9L27_P]
841.39 -1207.
CHNL# 557: [9L966_P]
237.15 -314.5
CHNL# 555: [954L_P]
79.815 -102.9
CHNL# 553: [9L20_P]
1121.0 -1516.
CHNL# 551: [398L_P]
90.782 -129.5

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_26_9L59_TINCHEBRAY

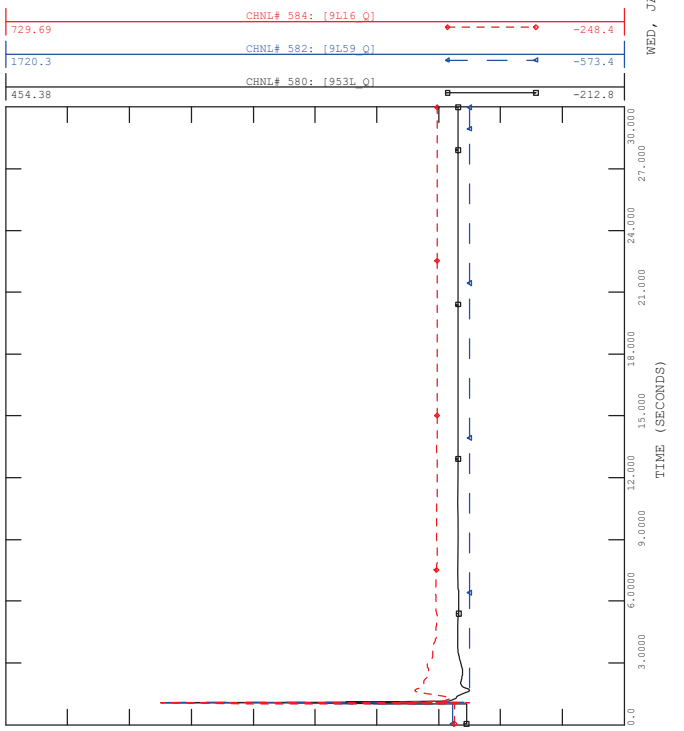
FILE: Scn7_2028SP_26_9L59_Tinchebray.out



WED, JAN 22 2025 9:15 BRANCH Q

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_26_9L59_TINCHEBRAY

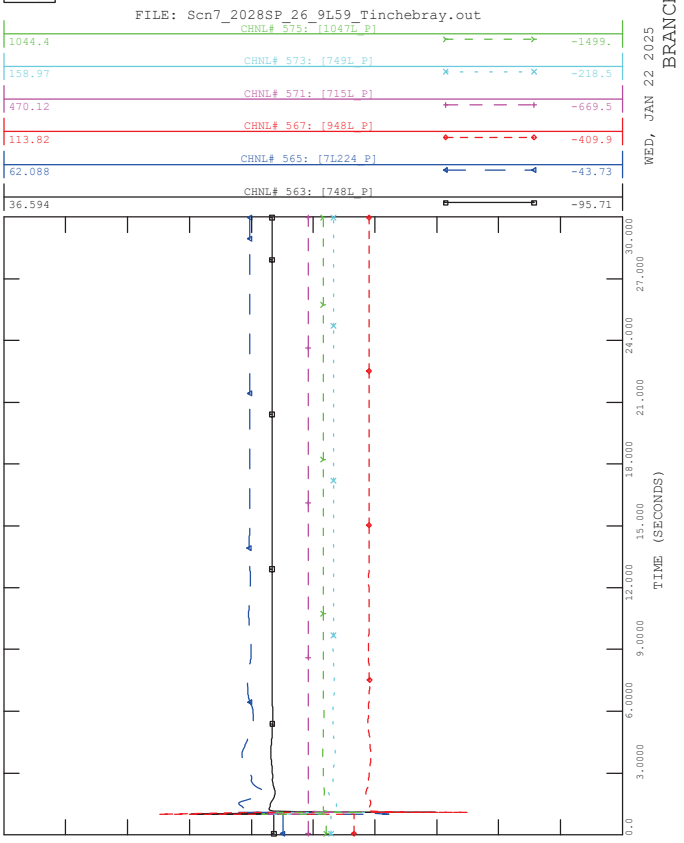
FILE: Scn7_2028SP_26_9L59_Tinchebray.out



WED, JAN 22 2025 9:15 BRANCH Q

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_26_9L59_TINCHEBRAY

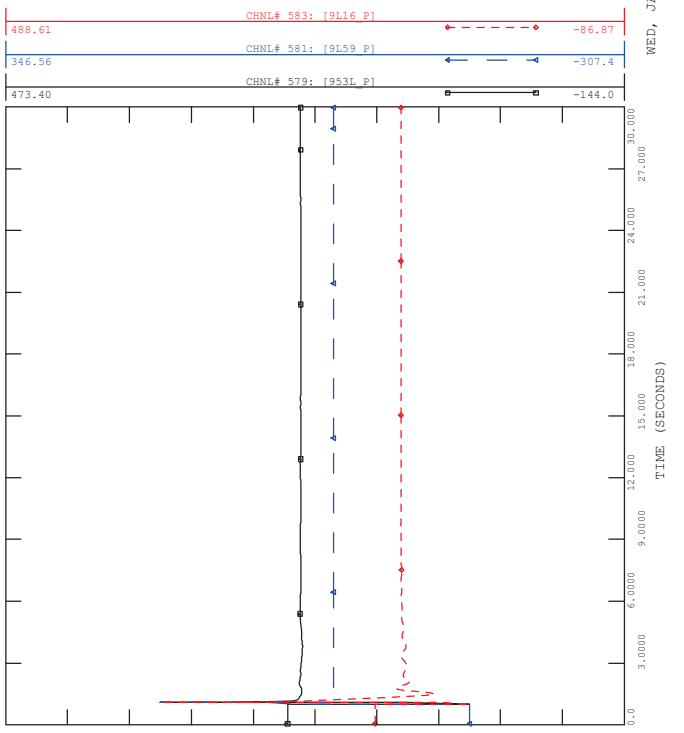
FILE: Scn7_2028SP_26_9L59_Tinchebray.out



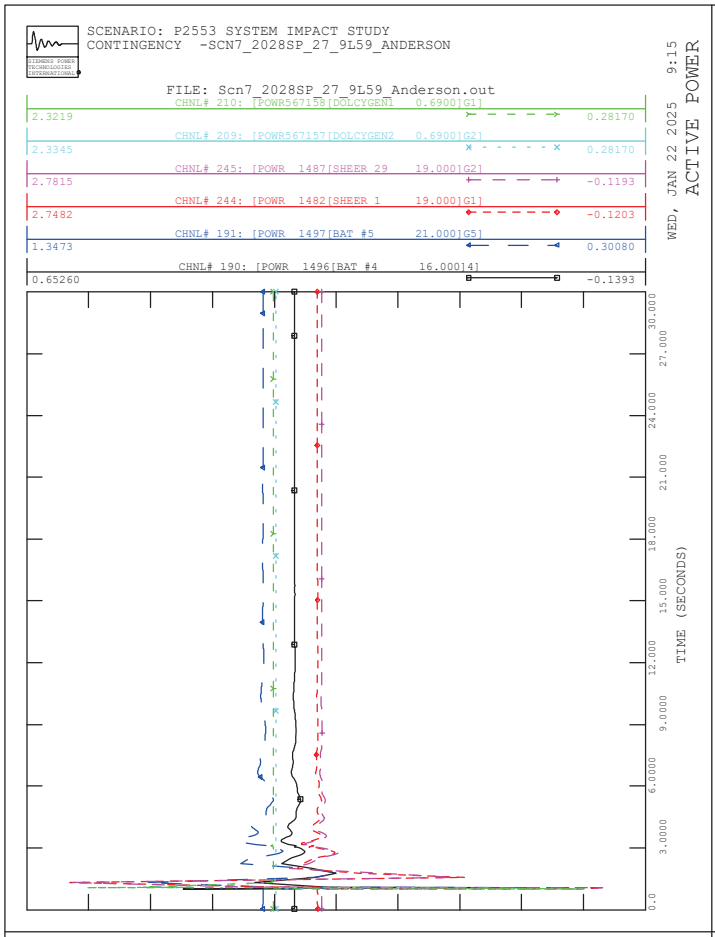
WED, JAN 22 2025 9:15 BRANCH P

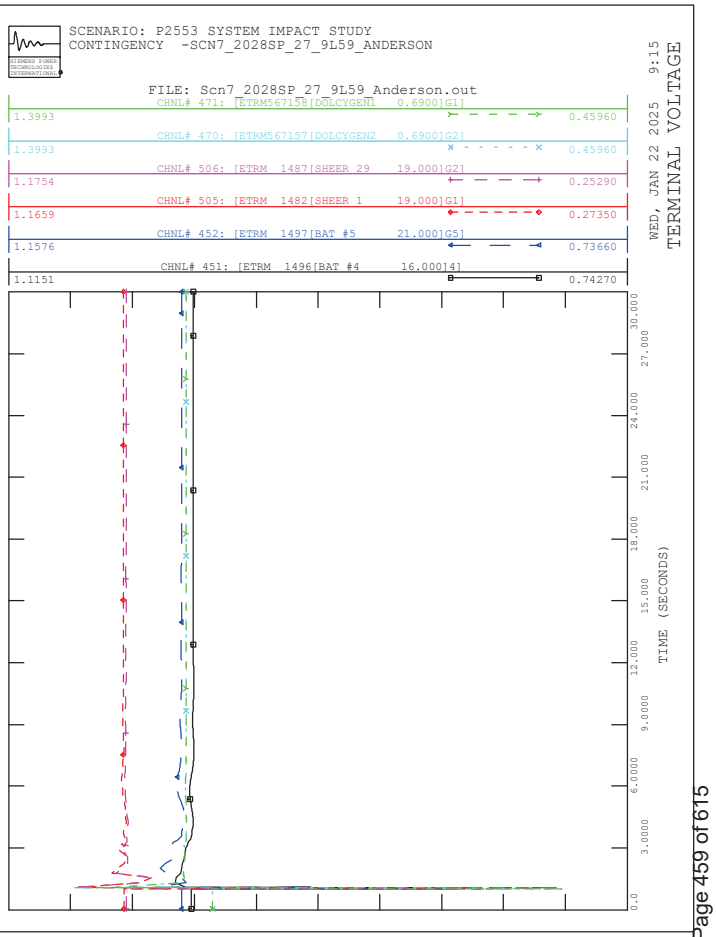
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_26_9L59_TINCHEBRAY

FILE: Scn7_2028SP_26_9L59_Tinchebray.out



WED, JAN 22 2025 9:15 BRANCH P


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_27_9L59_ANDERSON
FILE: Scn7_2028SP_27_9L59_Anderson.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.3219
0.28170
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.3345
0.28170
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
2.7815
-0.1193
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
2.7482
-0.1203
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.3473
0.30080
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.65260
-0.1393
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
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FILE: Scn7_2028SP_27_9L59_Anderson.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.3993
0.45960
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.3993
0.45960
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1754
0.25290
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1659
0.27350
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1576
0.73660
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1151
0.74270
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
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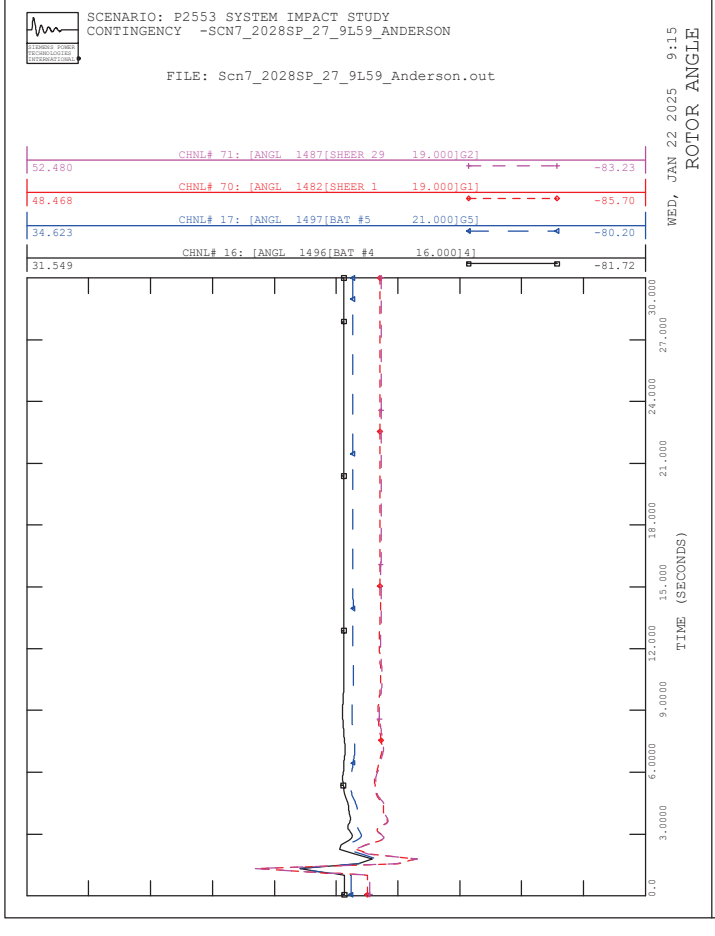
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CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
52.480
-83.23
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
48.468
-85.70
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
34.623
-80.20
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
31.549
-81.72
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
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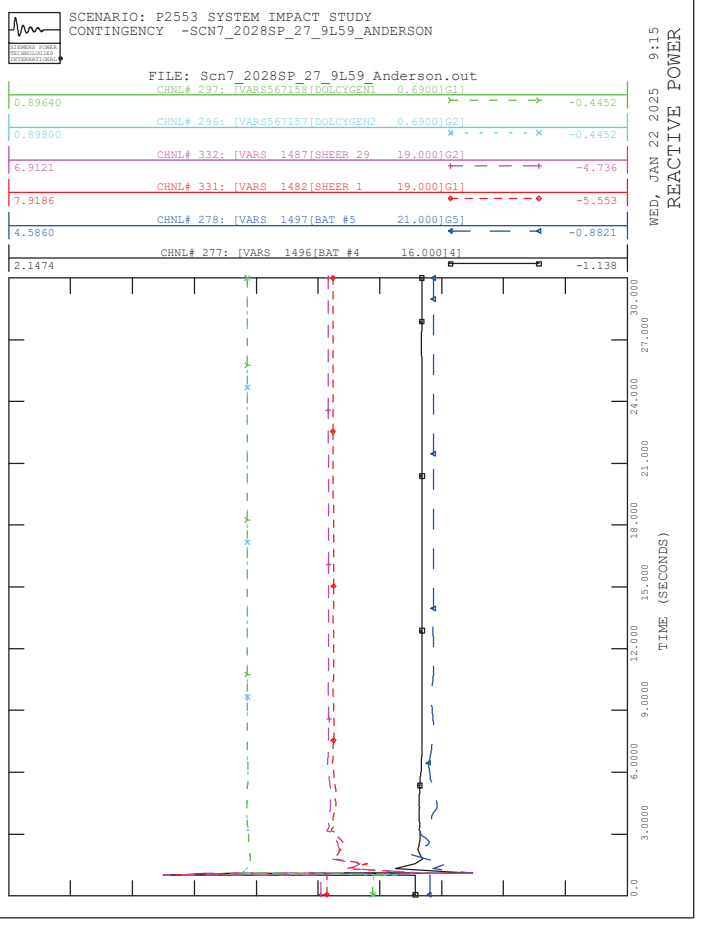
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0.89640
-0.4452
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
0.89800
-0.4452
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
6.9121
-4.736
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
7.9186
-5.553
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
4.5860
-0.8821
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
2.1474
-1.138
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
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3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_27_9L59_ANDERSON
FILE: Scn7_2028SP_27_9L59_Anderson.out
CHNL# 540: [VOLT 36 [EDGEMR7O7 138.001]
CHNL# 544: [VOLT 814 [KILRY TP 138.001]
CHNL# 537: [VOLT 74 [METIS647 138.001]
CHNL# 547: [VOLT 1427 [NILREM3 240.001]
CHNL# 542: [VOLT 648 [HANSMAN9 138.001]
CHNL# 543: [VOLT 649 [HANSMAN7 240.001]
1.3050
1.3344
1.3240
1.2548
1.3251
1.3669
0.46530
0.44030
0.43020
0.50720
0.42970
0.44500
TIME (SECONDS)
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3.0000
6.0000
9.0000
12.000
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18.000
21.000
24.000
27.000
30.000
WED, JAN 22 2025 9:15
BUS VOLTAGE

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_27_9L59_ANDERSON
FILE: Scn7_2028SP_27_9L59_Anderson.out
CHNL# 539: [VOLT 86 [PROVOST7 138.001]
CHNL# 545: [VOLT 1403 [PAINTMT4 240.001]
CHNL# 549: [VOLT 1499 [CORDEL 4 240.001]
CHNL# 546: [VOLT 1422 [NEVIS 4 240.001]
CHNL# 541: [VOLT 483 [TUCUMAN7 138.001]
CHNL# 550: [VOLT 54710 3 [DOLCETAP 240.001]
1.3419
1.2058
1.1881
1.1657
1.2277
1.3635
0.43960
0.57120
0.60220
0.66270
0.50580
0.44770
TIME (SECONDS)
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6.0000
9.0000
12.000
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18.000
21.000
24.000
27.000
30.000
WED, JAN 22 2025 9:15
BUS VOLTAGE

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_27_9L59_ANDERSON
FILE: Scn7_2028SP_27_9L59_Anderson.out
CHNL# 551: [398L_P]
CHNL# 553: [9L20 P]
CHNL# 555: [9546 P]
CHNL# 557: [9L966 P]
CHNL# 559: [9L27 P]
CHNL# 561: [885L_P]
32.848
346.61
87.915
595.08
411.63
371.63
-61.47
-912.2
-104.7
-598.8
-841.0
-202.5
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000
WED, JAN 22 2025 9:15
BRANCH P

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_27_9L59_ANDERSON
FILE: Scn7_2028SP_27_9L59_Anderson.out
CHNL# 552: [398L_Q]
CHNL# 554: [9L20 Q]
CHNL# 556: [9546 Q]
CHNL# 558: [9L966 Q]
CHNL# 560: [9L27 Q]
CHNL# 562: [885L_Q]
48.385
527.20
91.554
1259.1
973.15
419.41
-44.43
-312.1
-152.8
-1203.
-1027.
-347.5
TIME (SECONDS)
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3.0000
6.0000
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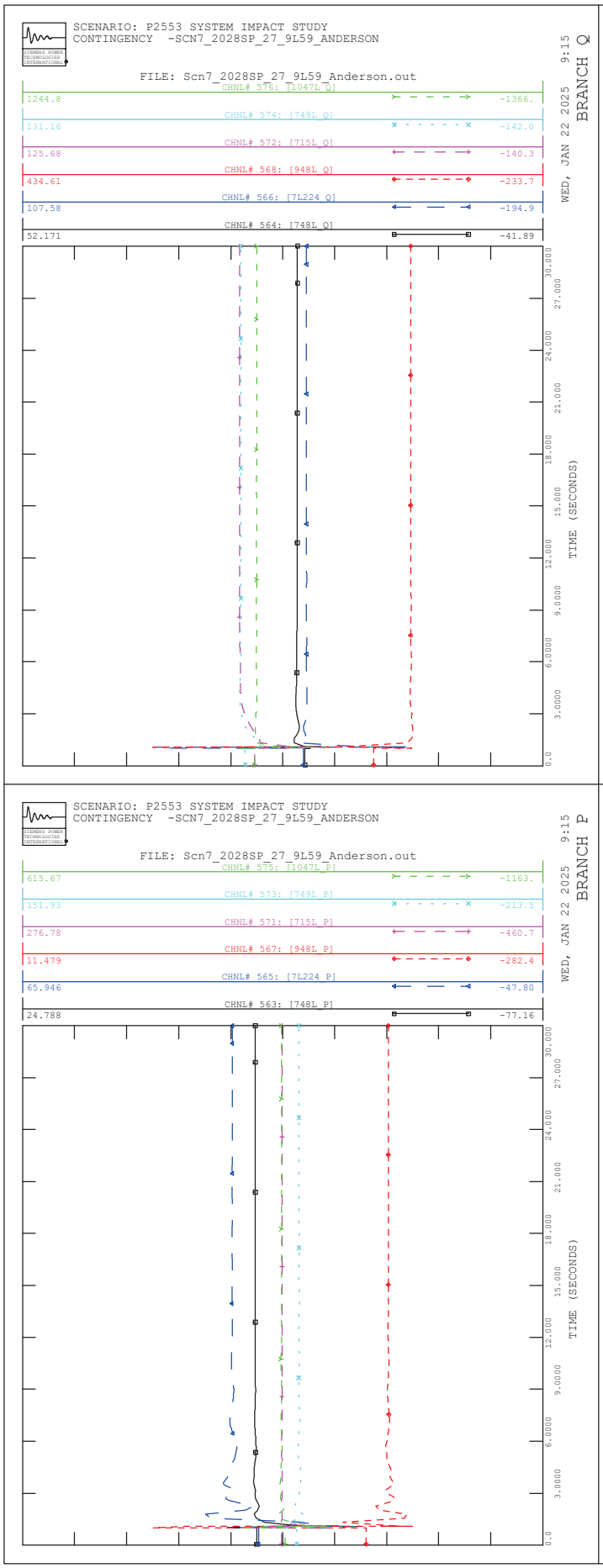
WED, JAN 22 2025 9:15
BRANCH Q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CONTINGENCY -SCN7_2028SP_27_9L59_ANDERSON
FILE: Scn7_2028SP_27_9L59_Anderson.out
CHNL# 576: [1047L Q]
1244.8
-1366.
CHNL# 574: [749L Q]
131.16
-142.0
CHNL# 572: [715L Q]
125.68
-140.3
CHNL# 568: [948L Q]
434.61
-233.7
CHNL# 566: [7L224 Q]
107.58
-194.9
CHNL# 564: [748L Q]
52.171
-41.89
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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6.0000
9.0000
12.000
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18.000
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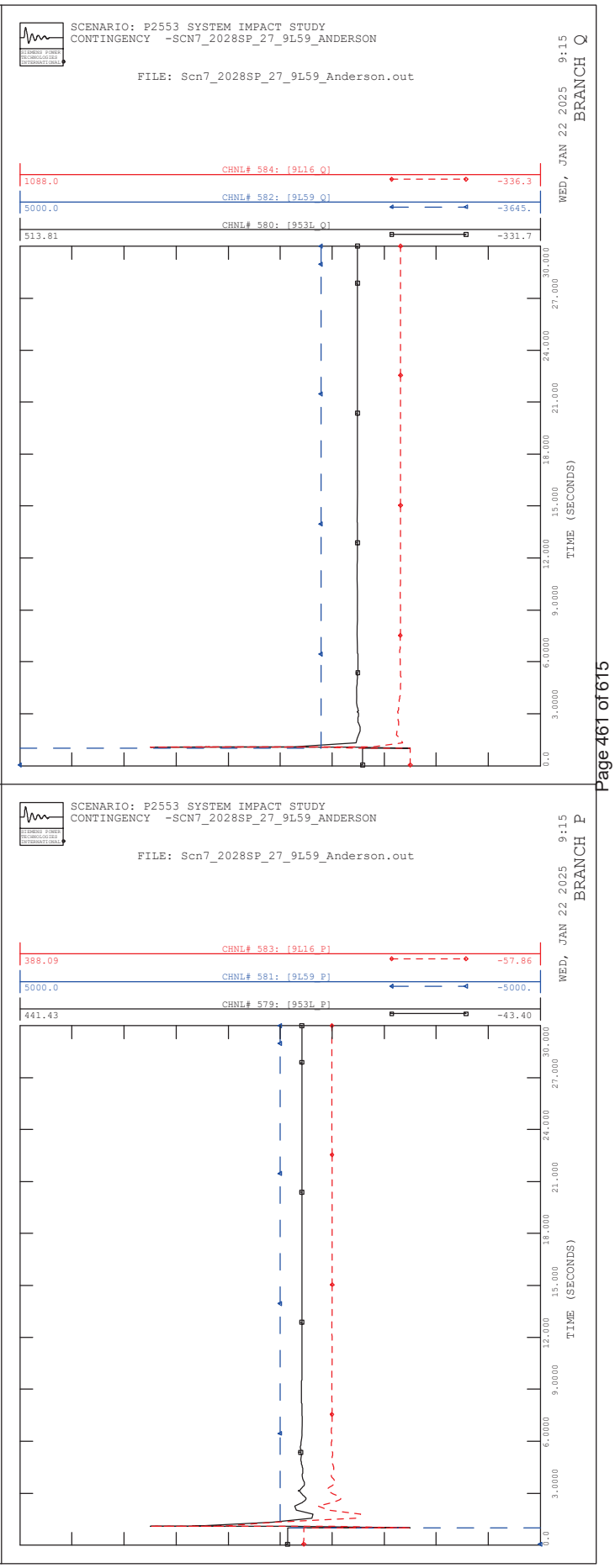
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CONTINGENCY -SCN7_2028SP_27_9L59_ANDERSON
FILE: Scn7_2028SP_27_9L59_Anderson.out
CHNL# 584: [9L16 Q]
1088.0
-336.3
CHNL# 582: [9L59 Q]
5000.0
-3645.
CHNL# 580: [953L Q]
513.81
-331.7
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_27_9L59_ANDERSON
FILE: Scn7_2028SP_27_9L59_Anderson.out
CHNL# 575: [1047L P]
615.67
-1163.
CHNL# 573: [749L P]
151.93
-213.5
CHNL# 571: [715L P]
276.78
-460.7
CHNL# 567: [948L P]
11.479
-282.4
CHNL# 565: [7L224 P]
65.946
-47.80
CHNL# 563: [748L P]
24.788
-77.16
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_27_9L59_ANDERSON
FILE: Scn7_2028SP_27_9L59_Anderson.out
CHNL# 583: [9L16 P]
388.09
-57.86
CHNL# 581: [9L59 P]
5000.0
-5000.
CHNL# 579: [953L P]
441.43
-43.40
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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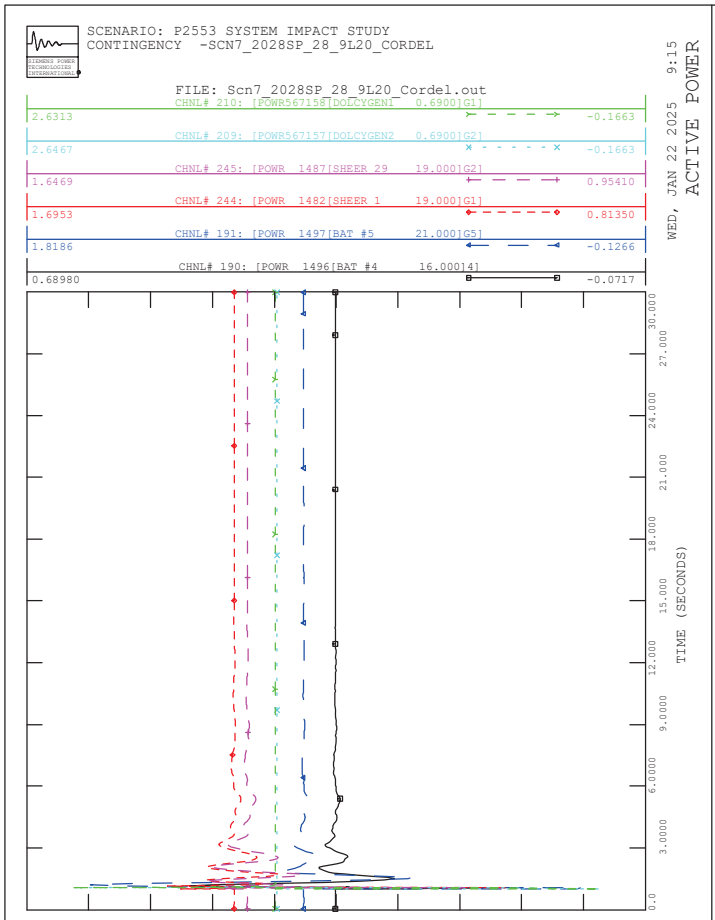
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000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CONTINGENCY -SCN7_2028SP_28_9L20_CORDEL
FILE: Scn7_2028SP_28_9L20_Cordel.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.6313
-0.1663
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.6467
-0.1663
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.6469
0.95410
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.6953
0.81350
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.8186
-0.1266
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.68980
-0.0717
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
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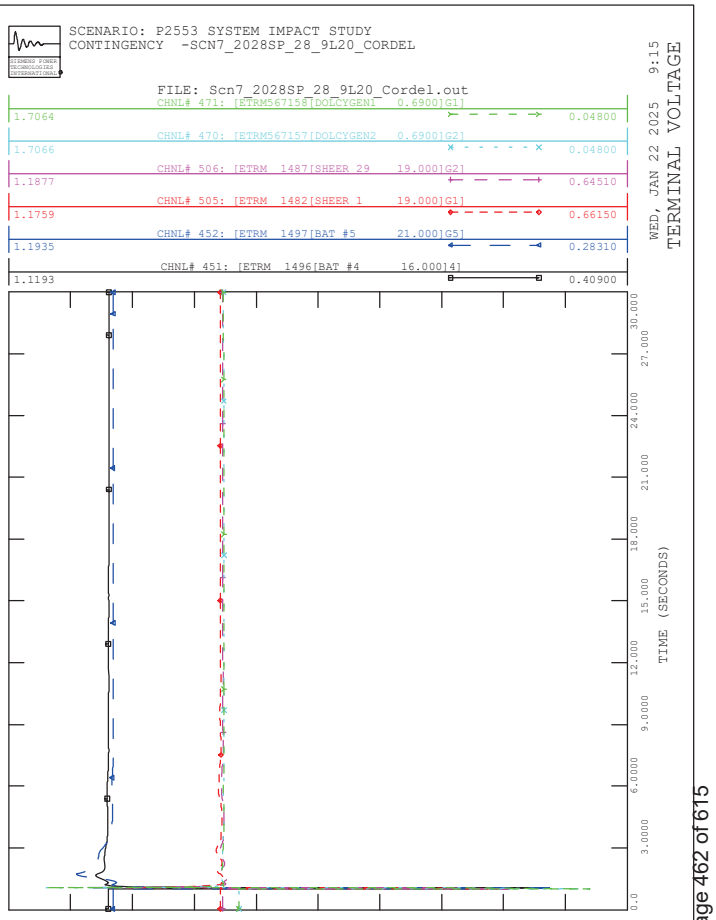
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000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CONTINGENCY -SCN7_2028SP_28_9L20_CORDEL
FILE: Scn7_2028SP_28_9L20_Cordel.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.7064
0.04800
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.7066
0.04800
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1877
0.64510
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1759
0.66150
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1935
0.28310
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1193
0.40900
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
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6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
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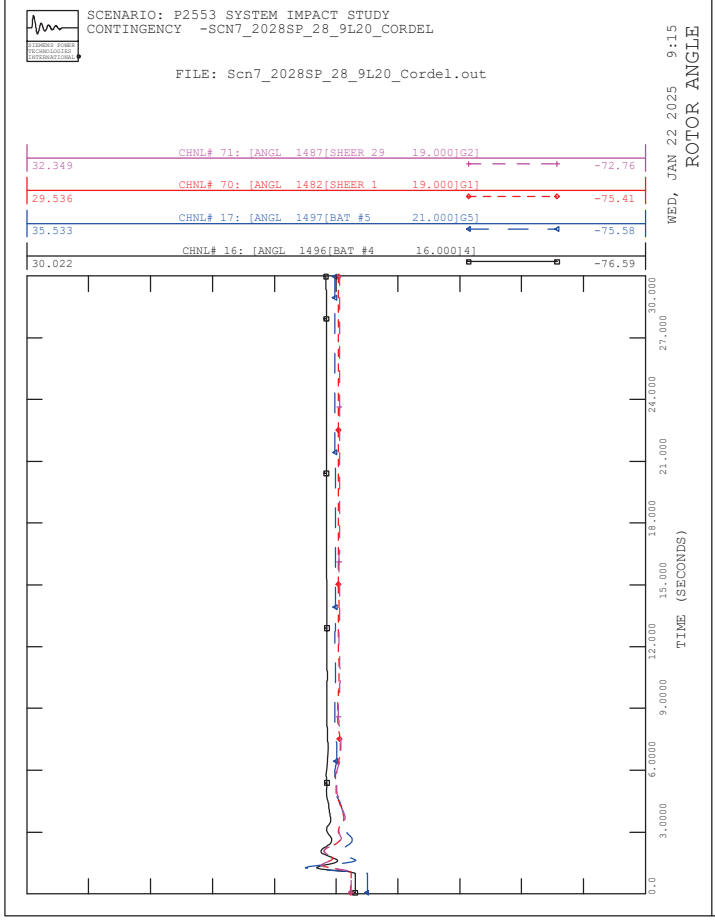
30.000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CONTINGENCY -SCN7_2028SP_28_9L20_CORDEL
FILE: Scn7_2028SP_28_9L20_Cordel.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
32.349
-72.76
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
29.536
-75.41
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
35.533
-75.58
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
30.022
-76.59
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
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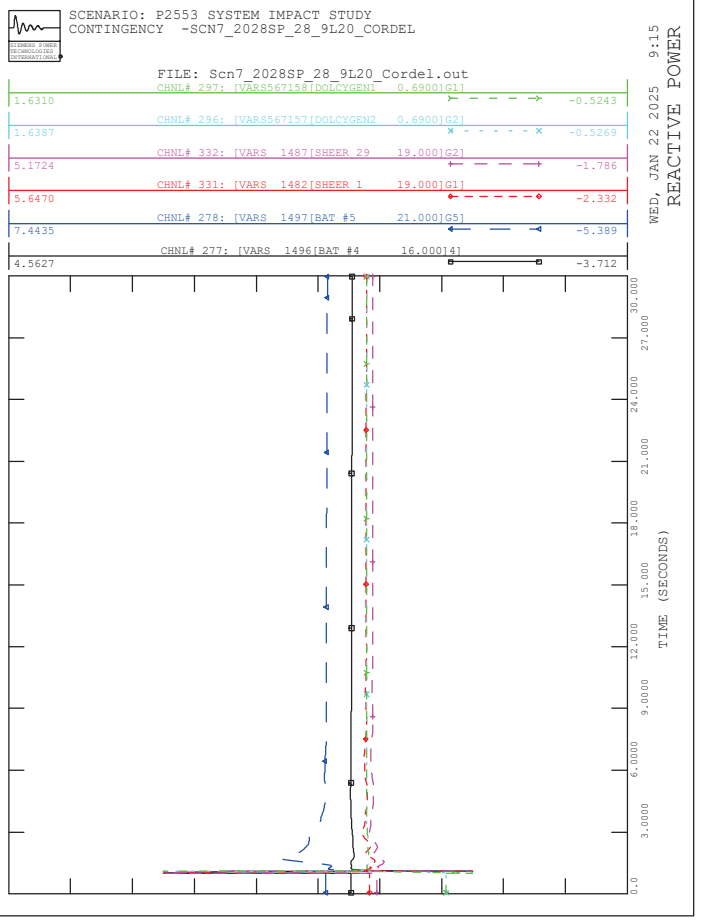
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000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CONTINGENCY -SCN7_2028SP_28_9L20_CORDEL
FILE: Scn7_2028SP_28_9L20_Cordel.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.6310
-0.5243
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.6387
-0.5269
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
5.1724
-1.786
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
5.6470
-2.332
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
7.4435
-5.389
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
4.5627
-3.712
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_28_9L20_CORDEL

FILE: Scn7_2028SP_28_9L20_Cordel.out

WED, JAN 22 2025 9:15 BUS VOLTAGE

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]] 1.6096 0.03610
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]] 1.4538 0.02060
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]] 1.1470 0.26370
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]] 1.3306 -0.0858
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]] 1.3825 -0.0683
CHNL# 539: [VOLT 86 [PROVOST7 138.00]] 1.5674 0.04880

TIME (SECONDS) 0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_28_9L20_CORDEL

FILE: Scn7_2028SP_28_9L20_Cordel.out

WED, JAN 22 2025 9:15 BRANCH Q

CHNL# 562: [885L_Q] 583.31 -407.8
CHNL# 560: [9L27_Q] 802.03 -1065.
CHNL# 558: [9L966_Q] 931.18 -895.1
CHNL# 556: [954L_Q] 114.47 -168.9
CHNL# 554: [9L20_Q] 137.26 -98.04
CHNL# 552: [398L_Q] 153.42 -206.0

TIME (SECONDS) 0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_28_9L20_CORDEL

FILE: Scn7_2028SP_28_9L20_Cordel.out

WED, JAN 22 2025 9:15 BUS VOLTAGE

CHNL# 540: [VOLT 362 [EDGERT07 138.00]] 1.4903 0.08590
CHNL# 544: [VOLT 814 [KILRY TP 138.00]] 1.5227 0.05340
CHNL# 537: [VOLT 74 [METIS647 138.00]] 1.5383 0.04810
CHNL# 547: [VOLT 1427 [NILREM3 240.00]] 1.4972 -0.0051
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]] 1.5398 0.04860
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]] 1.6101 0.03820

TIME (SECONDS) 0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

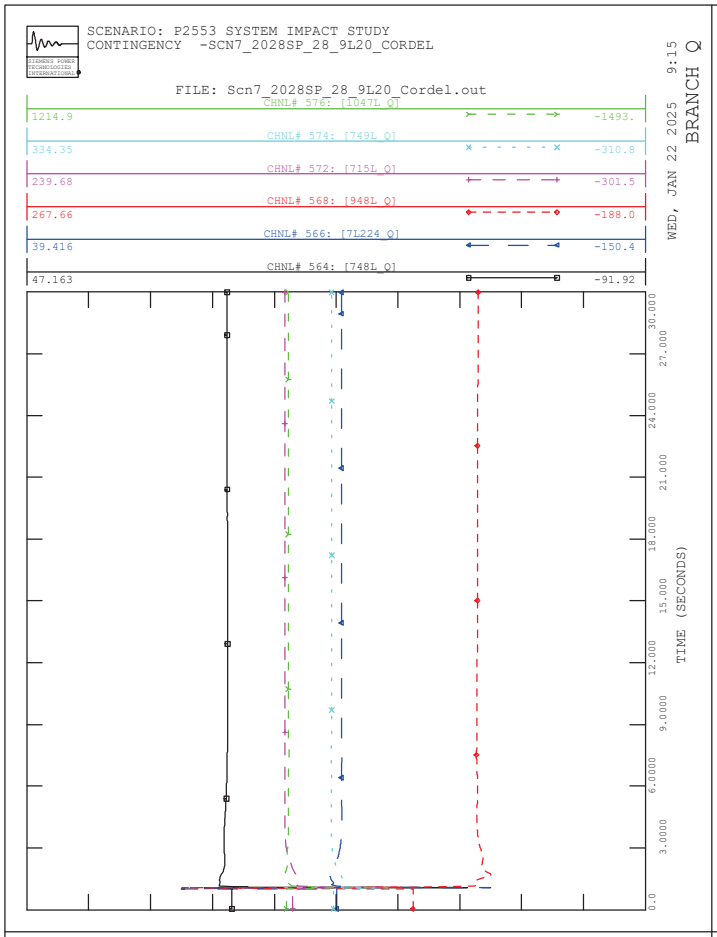
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_28_9L20_CORDEL

FILE: Scn7_2028SP_28_9L20_Cordel.out

WED, JAN 22 2025 9:15 BRANCH P

CHNL# 561: [885L_P] 603.50 -422.3
CHNL# 559: [9L27_P] 753.80 -1057.
CHNL# 557: [9L966_P] 232.71 -314.0
CHNL# 555: [954L_P] 74.791 -96.78
CHNL# 553: [9L20_P] 799.20 -1119.
CHNL# 551: [398L_P] 128.67 -180.9

TIME (SECONDS) 0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000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FILE: Scn7_2028SP_28_9L20_Cordel.out
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1214.9
-1493.
CHNL# 574: [749L_Q]
334.35
-310.8
CHNL# 572: [715L_Q]
239.68
-301.5
CHNL# 568: [948L_Q]
267.66
-188.0
CHNL# 566: [7L224_Q]
39.416
-150.4
CHNL# 564: [748L_Q]
47.163
-91.92
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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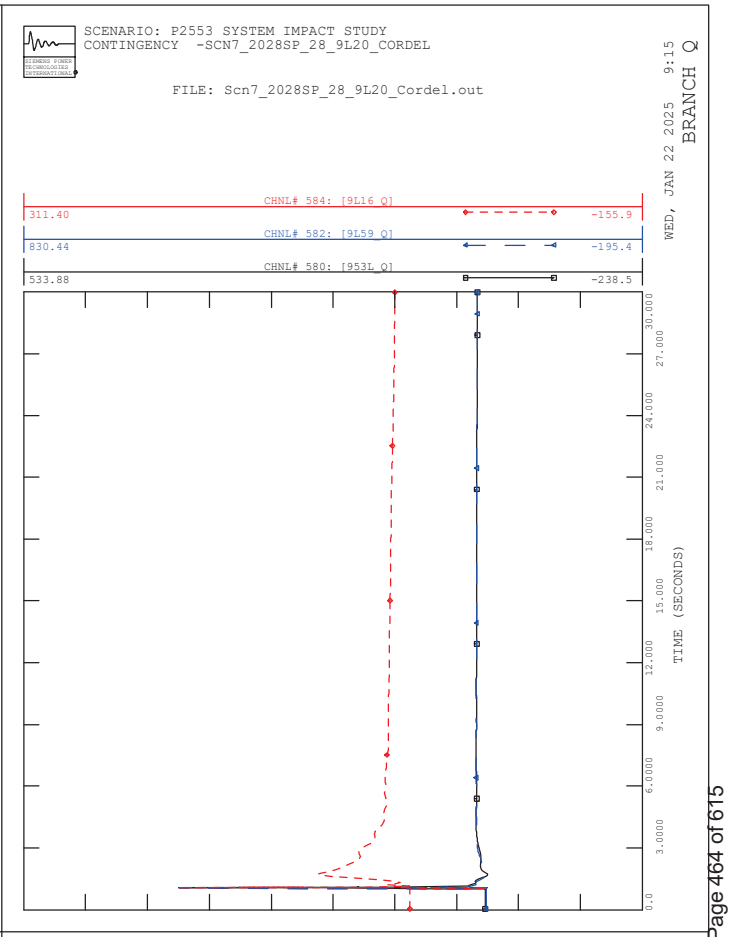
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CONTINGENCY -SCN7_2028SP_28_9L20_CORDEL
FILE: Scn7_2028SP_28_9L20_Cordel.out
CHNL# 584: [9L16_Q]
311.40
-155.9
CHNL# 582: [9L59_Q]
830.44
-195.4
CHNL# 580: [953L_Q]
533.88
-238.5
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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12.000
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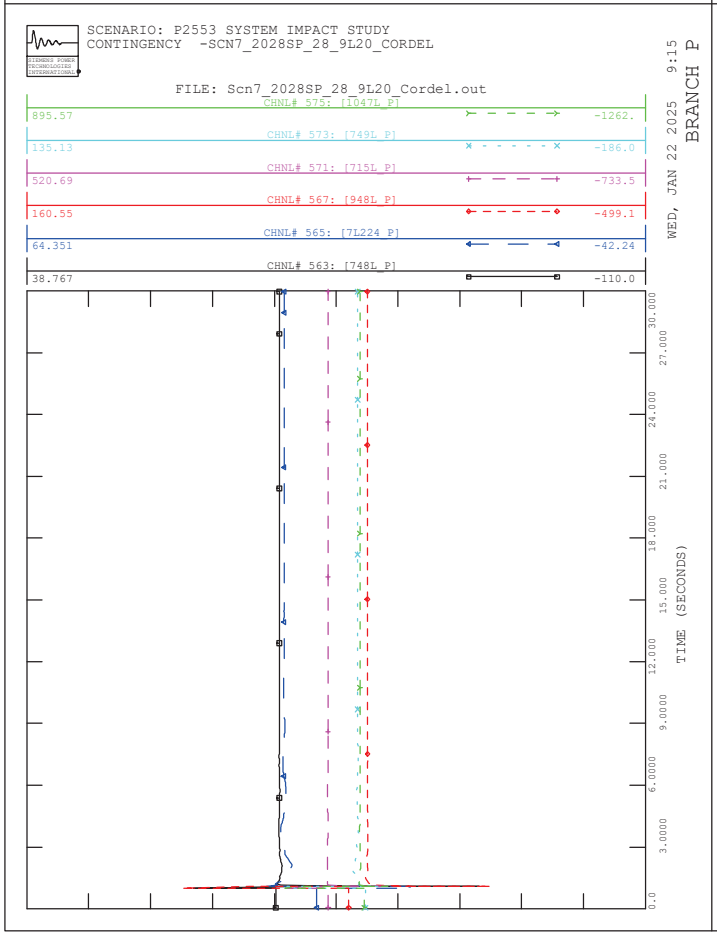
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895.57
-1262.
CHNL# 573: [749L_P]
135.13
-186.0
CHNL# 571: [715L_P]
520.69
-733.5
CHNL# 567: [948L_P]
160.55
-499.1
CHNL# 565: [7L224_P]
64.351
-42.24
CHNL# 563: [748L_P]
38.767
-110.0
WED, JAN 22 2025 9:15
BRANCH P
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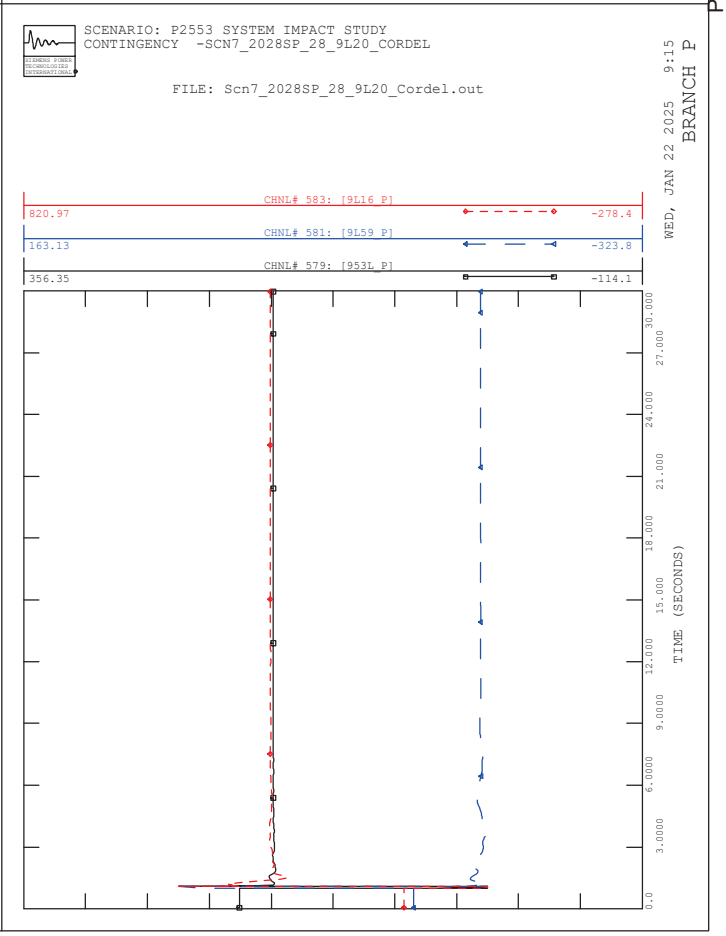
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CHNL# 583: [9L16_P]
820.97
-278.4
CHNL# 581: [9L59_P]
163.13
-323.8
CHNL# 579: [953L_P]
356.35
-114.1
WED, JAN 22 2025 9:15
BRANCH P
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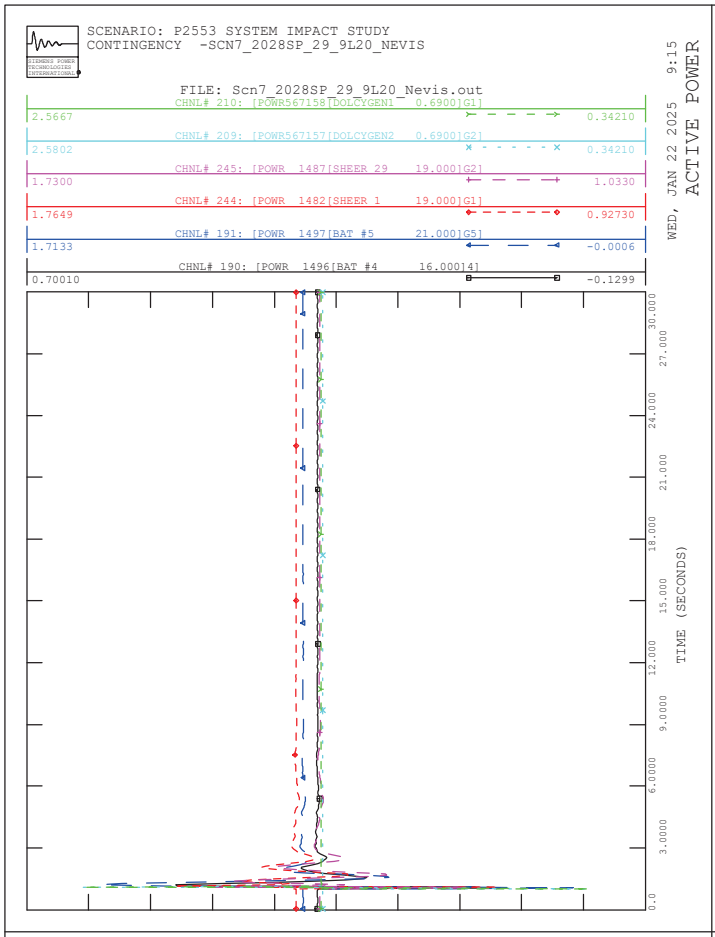
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_29_9L20_NEVIS
FILE: Scn7_2028SP_29_9L20_Nevis.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.5667
0.34210
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.5802
0.34210
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.7300
1.0330
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.7649
0.92730
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.7133
-0.0006
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.70010
-0.1299
0.0
3.0000
6.0000
9.0000
12.000
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21.000
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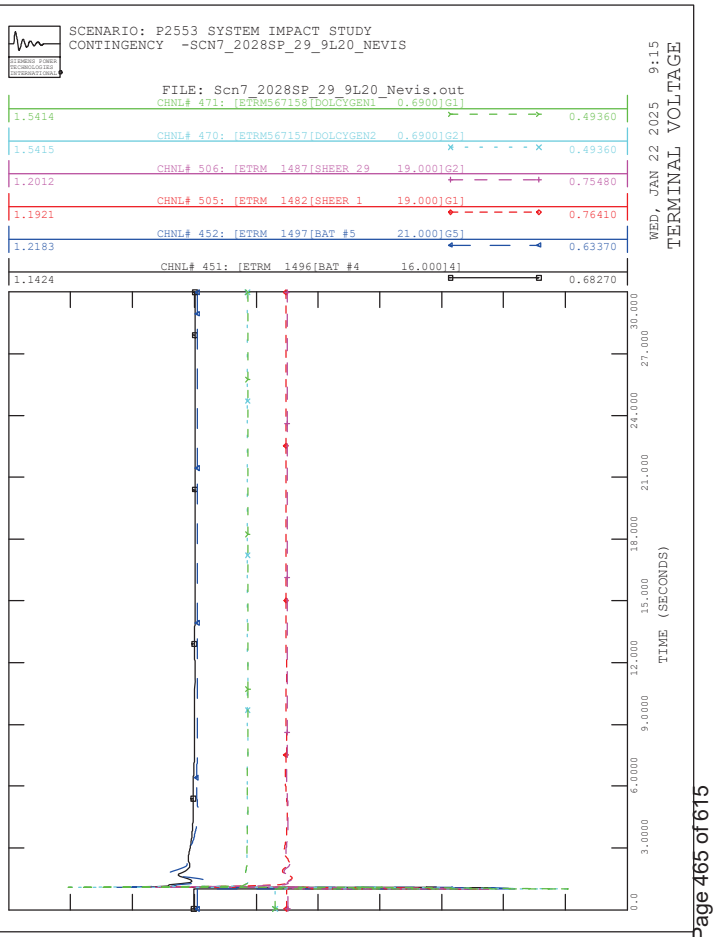
TIME (SECONDS)
WED, JAN 22 2025 9:15
ACTIVE POWER


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_29_9L20_NEVIS
FILE: Scn7_2028SP_29_9L20_Nevis.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.5414
0.49360
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.5415
0.49360
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.2012
0.75480
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1921
0.76410
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.2183
0.63370
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1424
0.68270
0.0
3.0000
6.0000
9.0000
12.000
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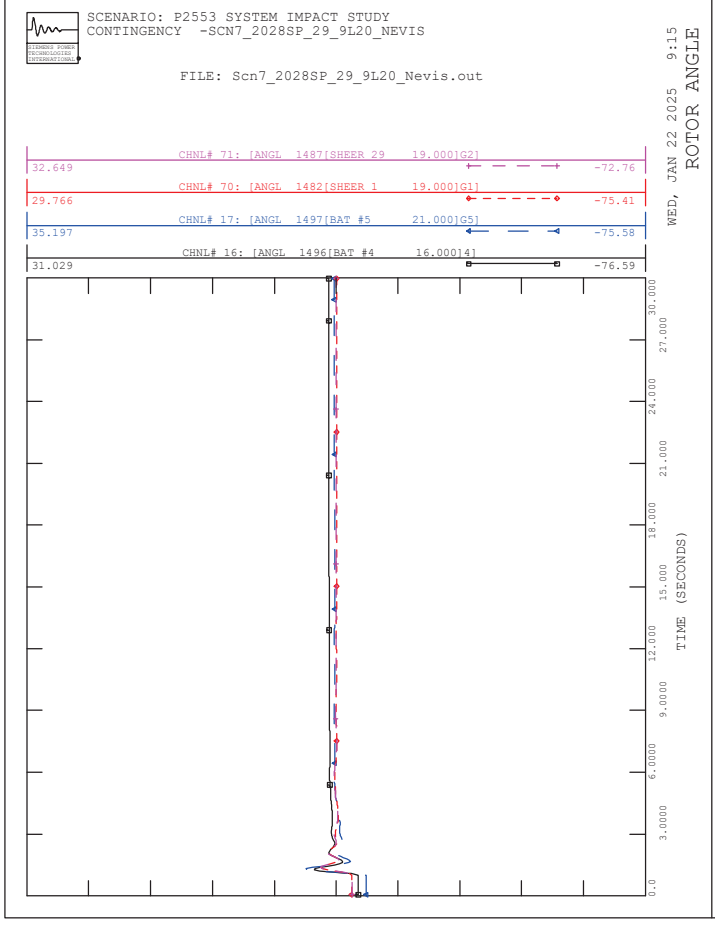
TIME (SECONDS)
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_29_9L20_NEVIS
FILE: Scn7_2028SP_29_9L20_Nevis.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
32.649
-72.76
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
29.766
-75.41
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
35.197
-75.58
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
31.029
-76.59
0.0
3.0000
6.0000
9.0000
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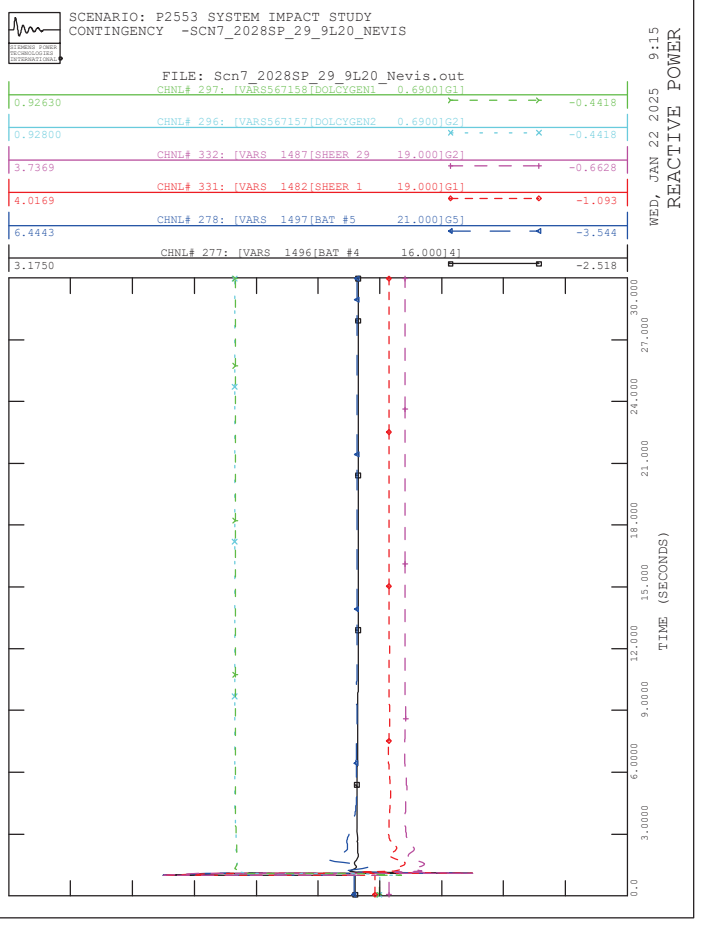
TIME (SECONDS)
WED, JAN 22 2025 9:15
ROTOR ANGLE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CONTINGENCY -SCN7_2028SP_29_9L20_NEVIS
FILE: Scn7_2028SP_29_9L20_Nevis.out
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0.92630
-0.4418
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
0.92800
-0.4418
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
3.7369
-0.6628
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
4.0169
-1.093
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
6.4443
-3.544
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
3.1750
-2.518
0.0
3.0000
6.0000
9.0000
12.000
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21.000
24.000
27.000
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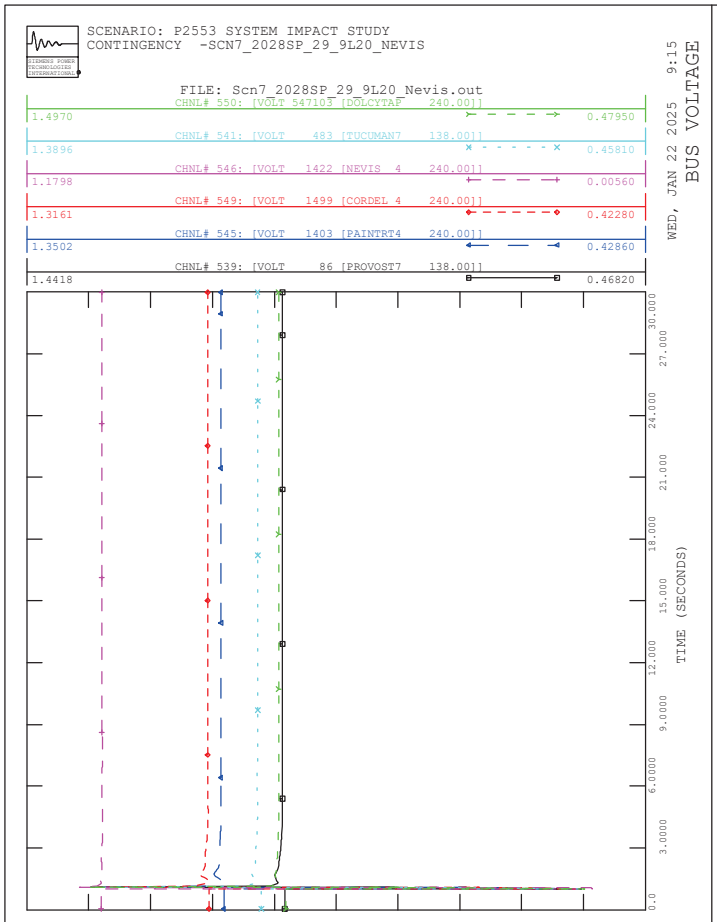
TIME (SECONDS)
WED, JAN 22 2025 9:15
REACTIVE POWER


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_29_9L20_NEVIS
FILE: Scn7_2028SP_29_9L20_Nevis.out
CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.4970
0.47950
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.3896
0.45810
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.1798
0.00560
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.3161
0.42280
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.3502
0.42860
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.4418
0.46820
0.0
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9.0000
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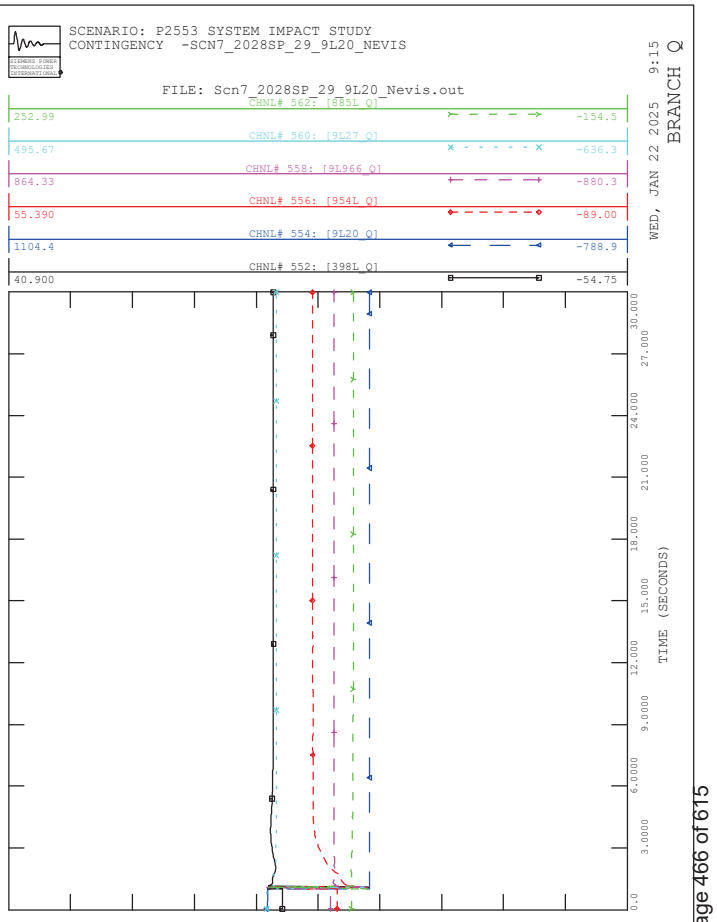
TIME (SECONDS)
WED, JAN 22 2025 9:15
BUS VOLTAGE


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_29_9L20_NEVIS
FILE: Scn7_2028SP_29_9L20_Nevis.out
CHNL# 562: [885L Q]
252.99
-154.5
CHNL# 560: [9L27 Q]
495.67
-636.3
CHNL# 558: [9L966 Q]
864.33
-880.3
CHNL# 556: [954L Q]
55.390
-89.00
CHNL# 554: [9L20 Q]
1104.4
-788.9
CHNL# 552: [398L Q]
40.900
-54.75
0.0
3.0000
6.0000
9.0000
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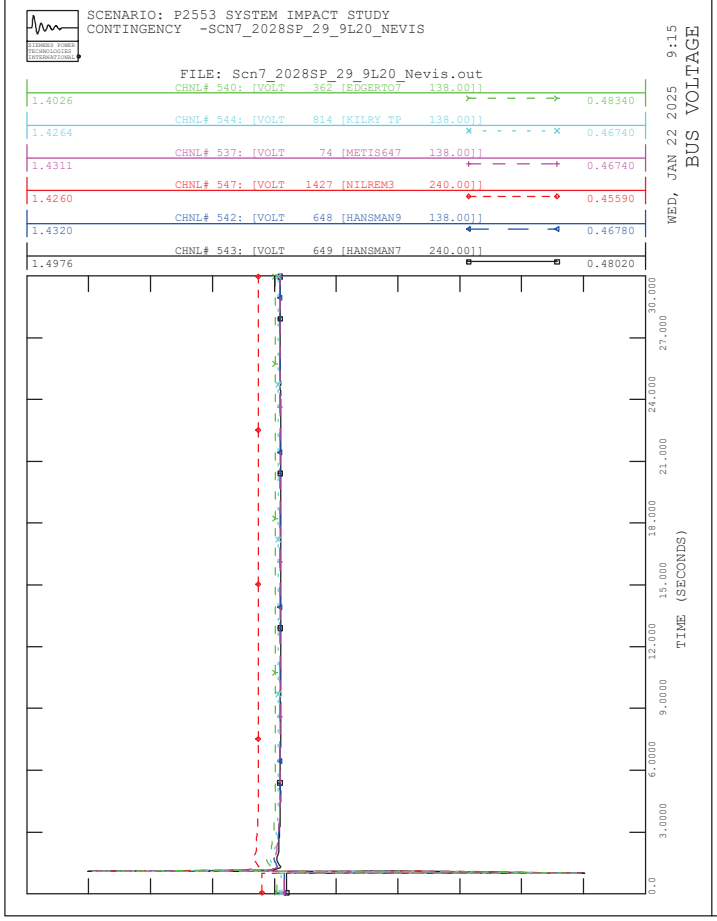
TIME (SECONDS)
WED, JAN 22 2025 9:15
BRANCH Q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FILE: Scn7_2028SP_29_9L20_Nevis.out
CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.4026
0.48340
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.4264
0.46740
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.4311
0.46740
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.4260
0.45590
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.4320
0.46780
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.4976
0.48020
0.0
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6.0000
9.0000
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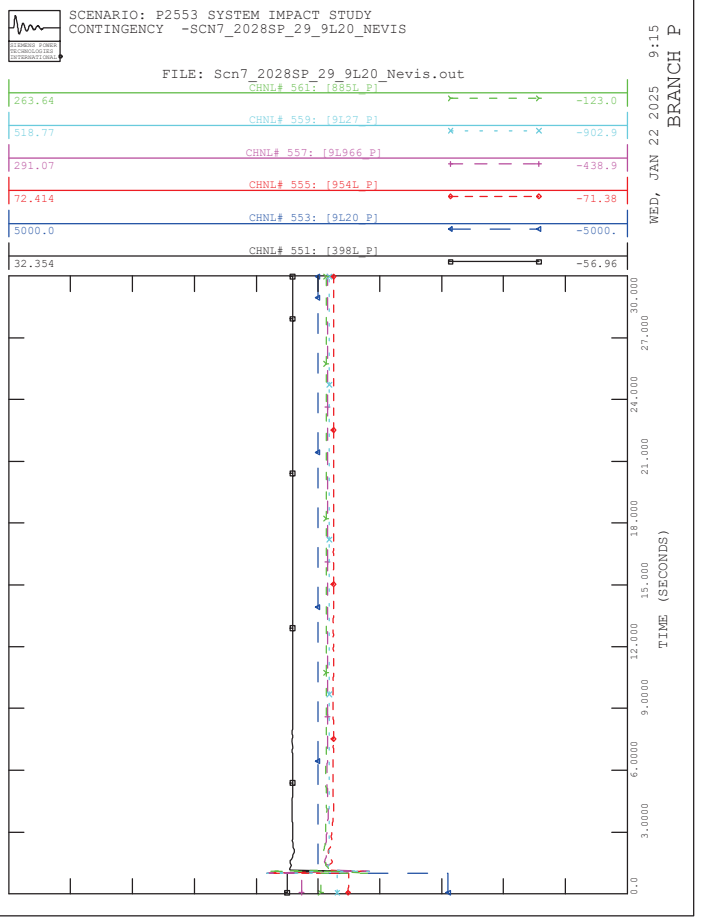
TIME (SECONDS)
WED, JAN 22 2025 9:15
BUS VOLTAGE


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_29_9L20_NEVIS
FILE: Scn7_2028SP_29_9L20_Nevis.out
CHNL# 561: [885L P]
263.64
-123.0
CHNL# 559: [9L27 P]
518.77
-902.9
CHNL# 557: [9L966 P]
291.07
-438.9
CHNL# 555: [954L P]
72.414
-71.38
CHNL# 553: [9L20 P]
5000.0
-5000.
CHNL# 551: [398L P]
32.354
-56.96
0.0
3.0000
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9.0000
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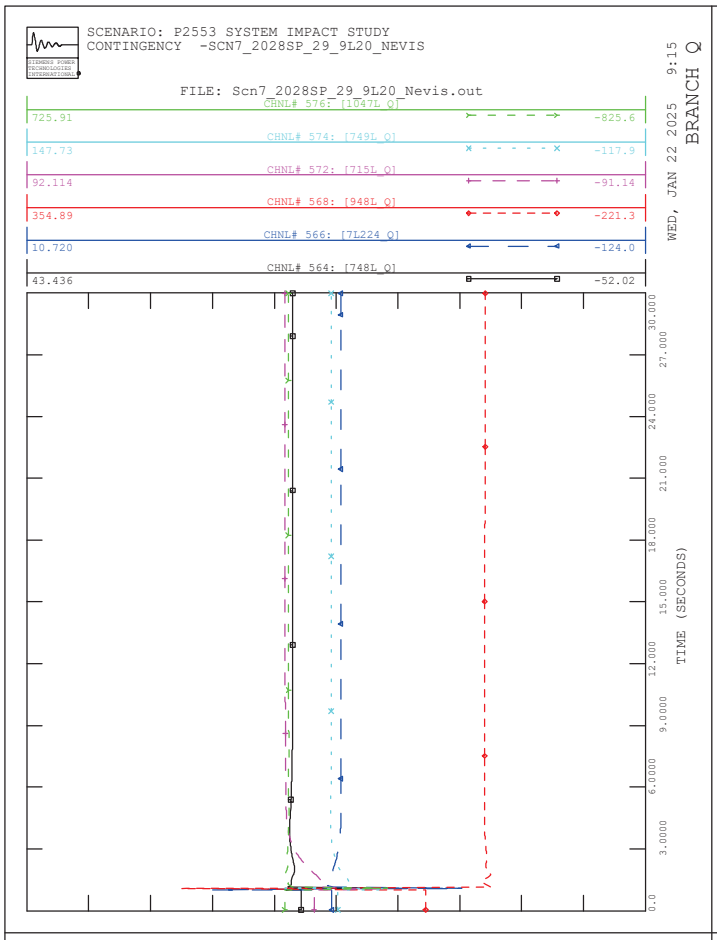
TIME (SECONDS)
WED, JAN 22 2025 9:15
BRANCH P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CONTINGENCY -SCN7_2028SP_29_9L20_NEVIS
FILE: Scn7_2028SP_29_9L20_Nevis.out
CHNL# 576: [1047L_Q]
725.91
-825.6
CHNL# 574: [749L_Q]
147.73
-117.9
CHNL# 572: [715L_Q]
92.114
-91.14
CHNL# 568: [948L_Q]
354.89
-221.3
CHNL# 566: [7L224_Q]
10.720
-124.0
CHNL# 564: [748L_Q]
43.436
-52.02
WED, JAN 22 2025 9:15
BRANCH Q
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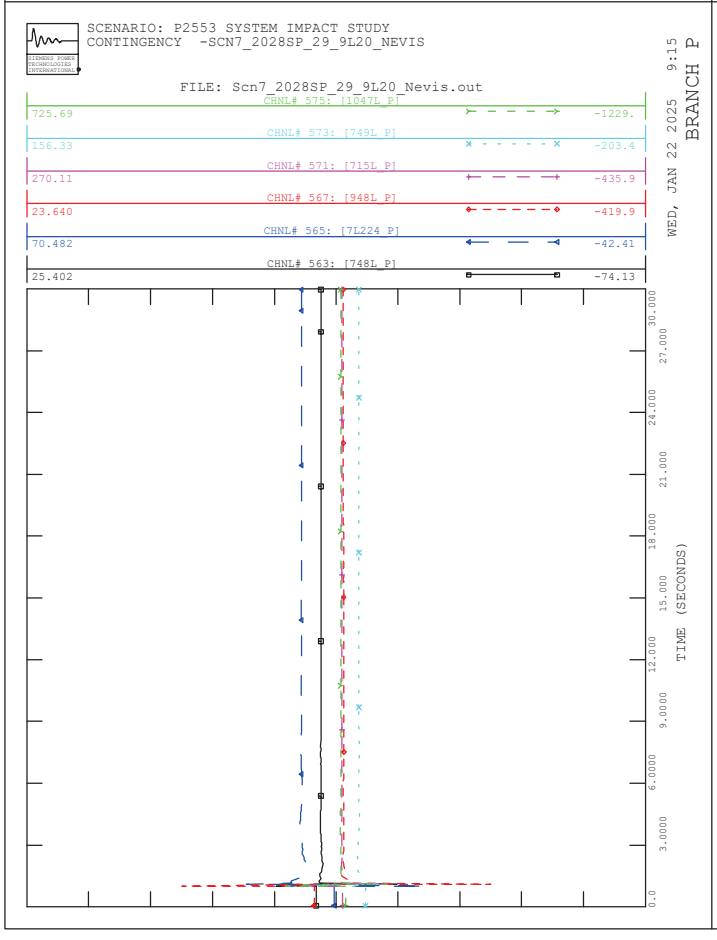
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FILE: Scn7_2028SP_29_9L20_Nevis.out
CHNL# 575: [1047L_P]
725.69
-1229.
CHNL# 573: [749L_P]
156.33
-203.4
CHNL# 571: [715L_P]
270.11
-435.9
CHNL# 567: [948L_P]
23.640
-419.9
CHNL# 565: [7L224_P]
70.482
-42.41
CHNL# 563: [748L_P]
25.402
-74.13
WED, JAN 22 2025 9:15
BRANCH P
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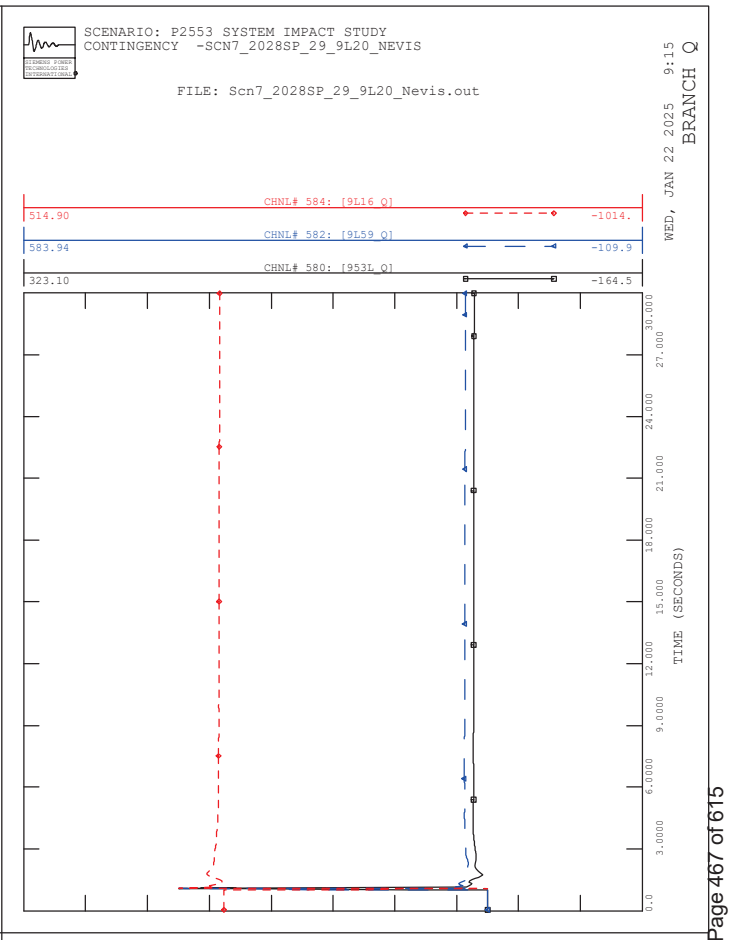
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FILE: Scn7_2028SP_29_9L20_Nevis.out
CHNL# 584: [9L16_Q]
514.90
-1014.
CHNL# 582: [9L59_Q]
583.94
-109.9
CHNL# 580: [953L_Q]
323.10
-164.5
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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6.0000
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12.000
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18.000
21.000
24.000
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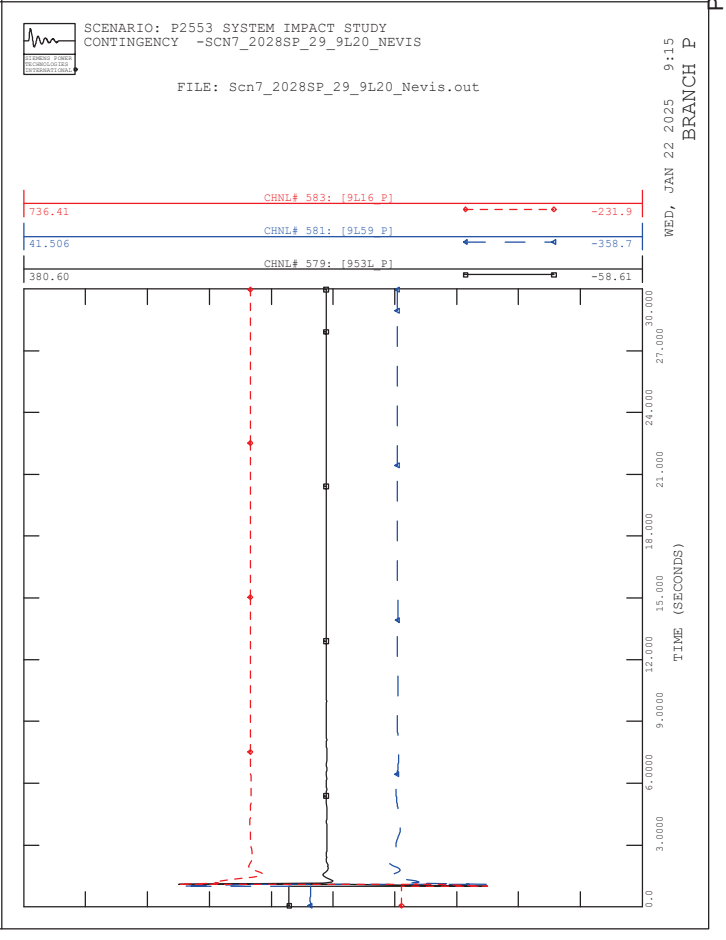

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_29_9L20_NEVIS
FILE: Scn7_2028SP_29_9L20_Nevis.out
CHNL# 583: [9L16_P]
736.41
-231.9
CHNL# 581: [9L59_P]
41.506
-358.7
CHNL# 579: [953L_P]
380.60
-58.61
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_30_7L224_HANSMANLAKE

FILE: Scn7_2028SP_30_7L224_HansmanLake.out

WED, JAN 22 2025 9:15

ACTIVE POWER

CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1] 2.3947 0.09900
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2] 2.4084 0.09900
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2] 1.9394 0.92790
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1] 1.9747 0.92530
CHNL# 191: [POWR 1497[BAT #5 21.000]G5] 1.7833 0.45850
CHNL# 190: [POWR 1496[BAT #4 16.000]4] 0.97520 -0.2366

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_30_7L224_HANSMANLAKE

FILE: Scn7_2028SP_30_7L224_HansmanLake.out

WED, JAN 22 2025 9:15

TERMINAL VOLTAGE

CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1] 1.5283 0.34090
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2] 1.5287 0.34090
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2] 1.1813 0.80750
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1] 1.1757 0.81330
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5] 1.2280 0.79690
CHNL# 451: [ETRM 1496[BAT #4 16.000]4] 1.1800 0.78340

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_30_7L224_HANSMANLAKE

FILE: Scn7_2028SP_30_7L224_HansmanLake.out

WED, JAN 22 2025 9:15

ROTOR ANGLE

CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2] 31.993 -80.00
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1] 28.965 -82.39
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5] 26.742 -83.58
CHNL# 16: [ANGL 1496[BAT #4 16.000]4] 25.132 -85.67

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_30_7L224_HANSMANLAKE

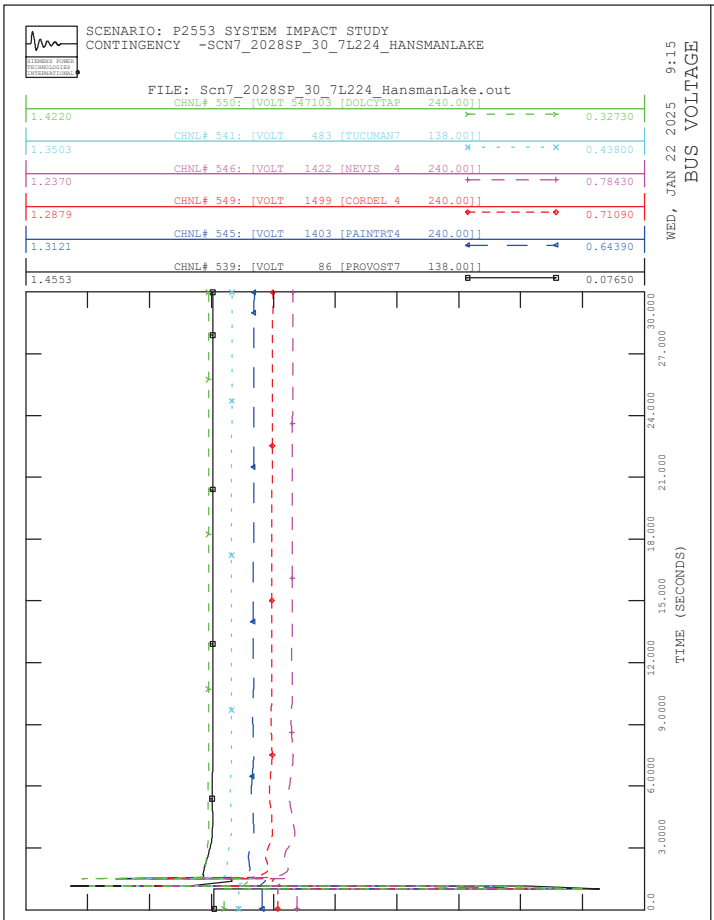
FILE: Scn7_2028SP_30_7L224_HansmanLake.out

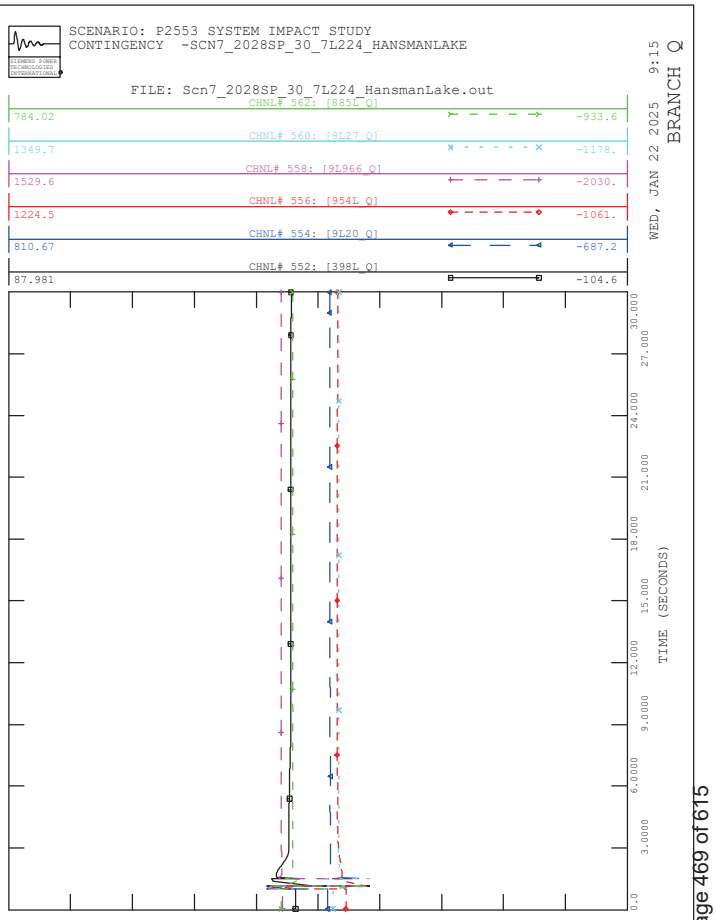
WED, JAN 22 2025 9:15

REACTIVE POWER

CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1] 1.6386 -0.4886
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2] 1.6465 -0.4912
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2] 3.0619 -0.8512
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1] 3.1742 -0.9813
CHNL# 278: [VARS 1497[BAT #5 21.000]G5] 4.0594 -1.811
CHNL# 277: [VARS 1496[BAT #4 16.000]4] 1.9101 -1.486

TIME (SECONDS)


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_30_7L224_HANSMANLAKE
FILE: Scn7_2028SP_30_7L224_HansmanLake.out
CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.4220
0.32730
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.3503
0.43800
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.2370
0.78430
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2879
0.71090
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.3121
0.64390
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.4553
0.07650
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000
TIME (SECONDS)
WED, JAN 22 2025 9:15
BUS VOLTAGE


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_30_7L224_HANSMANLAKE
FILE: Scn7_2028SP_30_7L224_HansmanLake.out
CHNL# 562: [885L Q]
784.02
-933.6
CHNL# 560: [9L27 Q]
1349.7
-1178.
CHNL# 558: [9L966 Q]
1529.6
-2030.
CHNL# 556: [954L Q]
1224.5
-1061.
CHNL# 554: [9L20 Q]
810.67
-687.2
CHNL# 552: [398L Q]
87.981
-104.6
0.0
3.0000
6.0000
9.0000
12.000
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24.000
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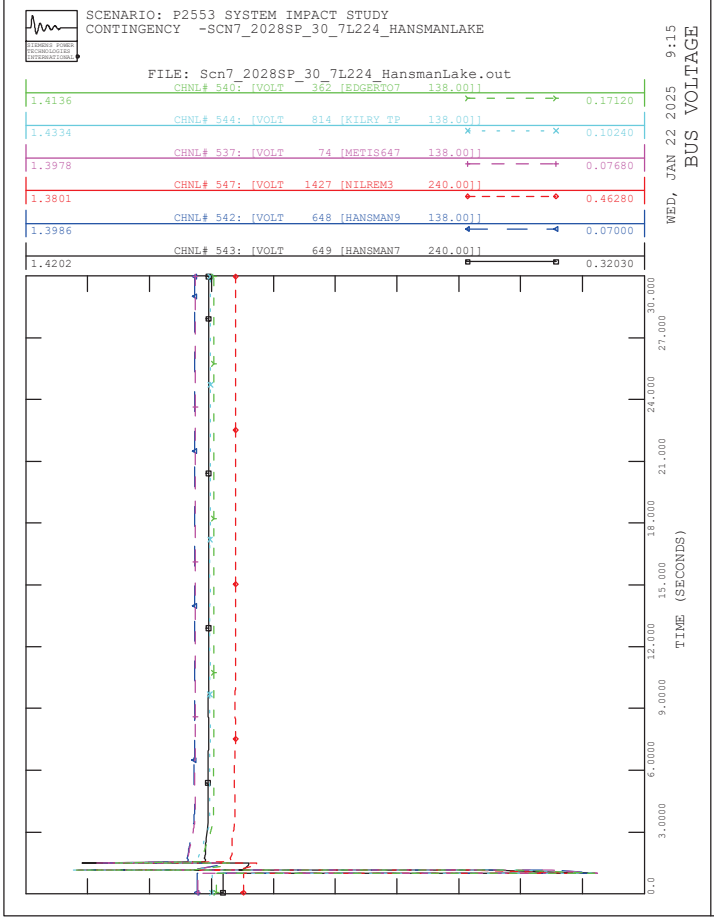
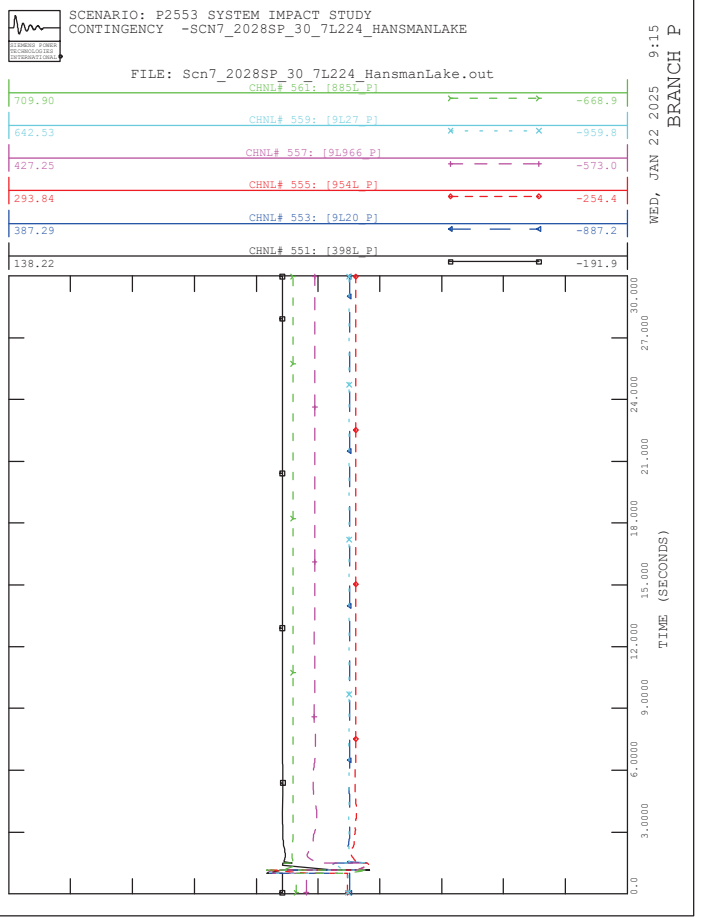
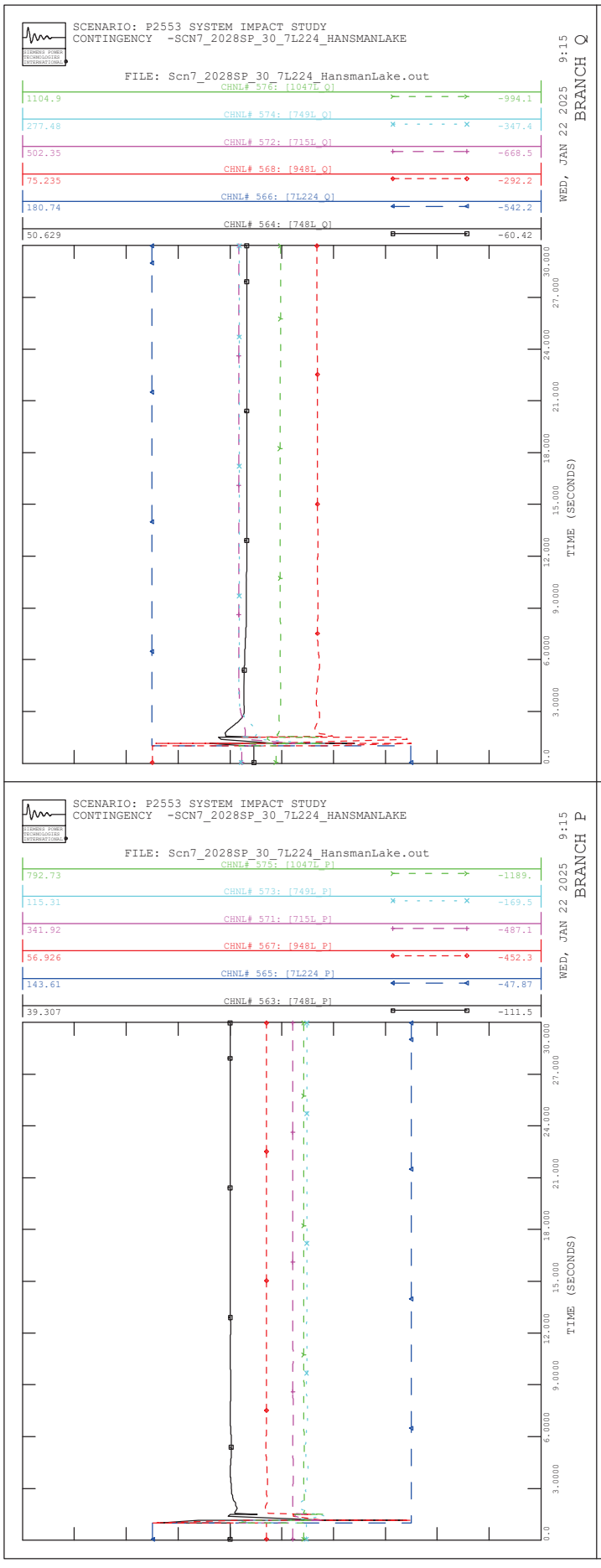
TIME (SECONDS)
WED, JAN 22 2025 9:15
BRANCH Q


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_30_7L224_HANSMANLAKE
FILE: Scn7_2028SP_30_7L224_HansmanLake.out
CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.4136
0.17120
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.4334
0.10240
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.3978
0.07680
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.3801
0.46280
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.3986
0.07000
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.4202
0.32030
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000
TIME (SECONDS)
WED, JAN 22 2025 9:15
BUS VOLTAGE


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_30_7L224_HANSMANLAKE
FILE: Scn7_2028SP_30_7L224_HansmanLake.out
CHNL# 561: [885L P]
709.90
-668.9
CHNL# 559: [9L27 P]
642.53
-959.8
CHNL# 557: [9L966 P]
427.25
-573.0
CHNL# 555: [954L P]
293.84
-254.4
CHNL# 553: [9L20 P]
387.29
-887.2
CHNL# 551: [398L P]
138.22
-191.9
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000
TIME (SECONDS)
WED, JAN 22 2025 9:15
BRANCH P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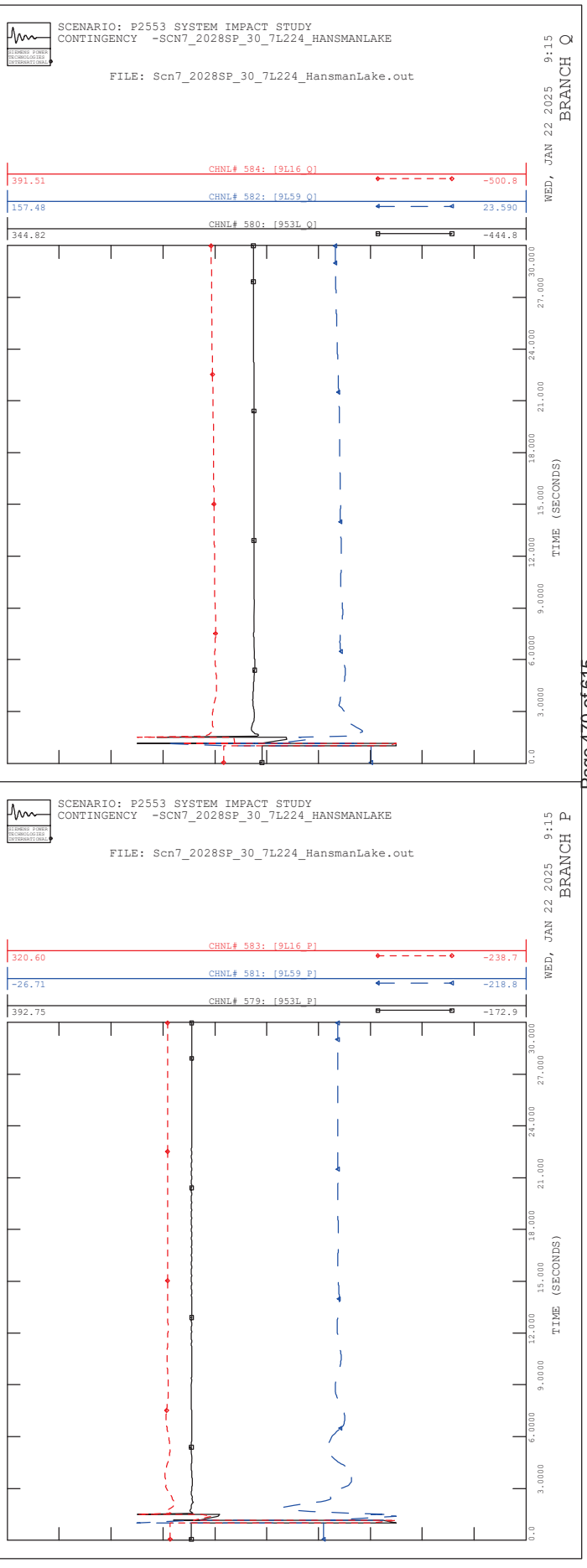
CONTINGENCY -SCN7_2028SP_30_7L224_HANSMANLAKE
FILE: Scn7_2028SP_30_7L224_HansmanLake.out
CHNL# 576: [1047L Q]
1104.9
-994.1
CHNL# 574: [749L Q]
277.48
-347.4
CHNL# 572: [715L Q]
502.35
-668.5
CHNL# 568: [948L Q]
75.235
-292.2
CHNL# 566: [7L224 Q]
180.74
-542.2
CHNL# 564: [748L Q]
50.629
-60.42
BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000



SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_31_7L224_MONITOR

FILE: Scn7_2028SP_31_7L224_Monitor.out

CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1] 2.2301 0.23050
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2] 2.2300 0.23050
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2] 1.8575 0.89470
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1] 1.8902 0.88230
CHNL# 191: [POWR 1497[BAT #5 21.000]G5] 1.6880 0.07830
CHNL# 190: [POWR 1496[BAT #4 16.000]4] 0.90250 -0.2690

WED, JAN 22 2025 9:15
ACTIVE POWER

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_31_7L224_MONITOR

FILE: Scn7_2028SP_31_7L224_Monitor.out

CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1] 1.5097 0.42900
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2] 1.5098 0.42900
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2] 1.1921 0.80050
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1] 1.1867 0.80680
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5] 1.2235 0.81520
CHNL# 451: [ETRM 1496[BAT #4 16.000]4] 1.1819 0.80060

WED, JAN 22 2025 9:15
TERMINAL VOLTAGE

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_31_7L224_MONITOR

FILE: Scn7_2028SP_31_7L224_Monitor.out

CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2] 30.587 -78.59
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1] 27.842 -80.99
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5] 26.661 -82.81
CHNL# 16: [ANGL 1496[BAT #4 16.000]4] 24.363 -85.89

WED, JAN 22 2025 9:15
ROTOR ANGLE

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_31_7L224_MONITOR

FILE: Scn7_2028SP_31_7L224_Monitor.out

CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1] 1.1049 -0.4482
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2] 1.1071 -0.4482
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2] 3.0415 -0.4614
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1] 3.1664 -0.6042
CHNL# 278: [VARS 1497[BAT #5 21.000]G5] 3.5352 -0.9623
CHNL# 277: [VARS 1496[BAT #4 16.000]4] 1.5998 -1.080

WED, JAN 22 2025 9:15
REACTIVE POWER

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_31_7L224_MONITOR

FILE: Scn7_2028SP_31_7L224_Monitor.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]] 1.4461 0.41510
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]] 1.3424 0.53060
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]] 1.2189 0.80050
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]] 1.2718 0.74120
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]] 1.3039 0.68440
CHNL# 539: [VOLT 86 [PROVOST7 138.00]] 1.3988 0.32240

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_31_7L224_MONITOR

FILE: Scn7_2028SP_31_7L224_Monitor.out

WED, JAN 22 2025 9:15

BRANCH Q

CHNL# 562: [885L Q] 1112.2 -1492.
CHNL# 560: [9L27 Q] 1290.2 -1166.
CHNL# 558: [9L966 Q] 1631.3 -1599.
CHNL# 556: [954L Q] 1153.1 -860.1
CHNL# 554: [9L20 Q] 731.17 -626.4
CHNL# 552: [398L Q] 48.852 -46.75

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_31_7L224_MONITOR

FILE: Scn7_2028SP_31_7L224_Monitor.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 540: [VOLT 362 [EDGERT07 138.00]] 1.3731 0.38360
CHNL# 544: [VOLT 814 [KILRY TP 138.00]] 1.3911 0.33680
CHNL# 537: [VOLT 74 [METIS647 138.00]] 1.3794 0.32190
CHNL# 547: [VOLT 1427 [NILREM3 240.00]] 1.3746 0.54180
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]] 1.3798 0.31910
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]] 1.4461 0.40900

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_31_7L224_MONITOR

FILE: Scn7_2028SP_31_7L224_Monitor.out

WED, JAN 22 2025 9:15

BRANCH P

CHNL# 561: [885L P] 677.15 -677.6
CHNL# 559: [9L27 P] 601.15 -968.9
CHNL# 557: [9L966 P] 303.86 -371.7
CHNL# 555: [954L P] 361.25 -317.9
CHNL# 553: [9L20 P] 308.71 -837.1
CHNL# 551: [398L P] 37.353 -56.08

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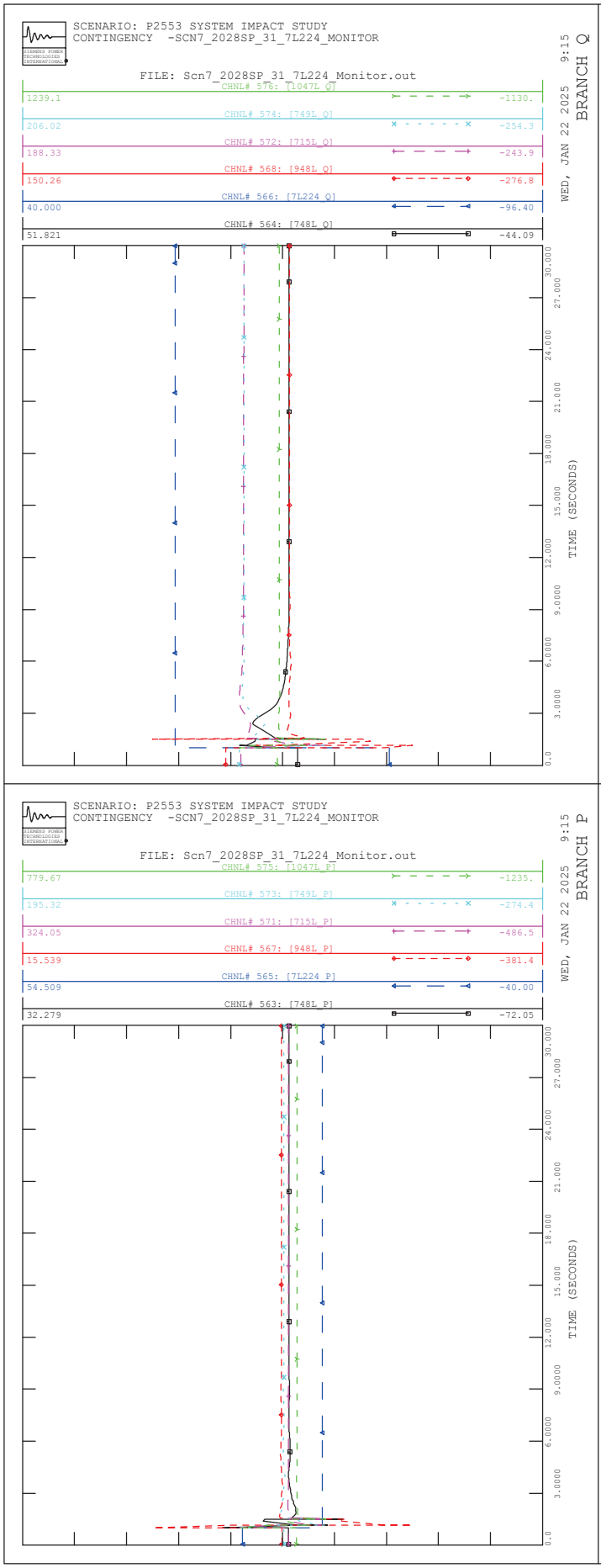
TIME (SECONDS)


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_31_7L224_MONITOR
FILE: Scn7_2028SP_31_7L224_Monitor.out
CHNL# 576: [1047L_Q]
1239.1
-1130.
CHNL# 574: [749L_Q]
206.02
-254.3
CHNL# 572: [715L_Q]
188.33
-243.9
CHNL# 568: [948L_Q]
150.26
-276.8
CHNL# 566: [7L224_Q]
40.000
-96.40
CHNL# 564: [748L_Q]
51.821
-44.09
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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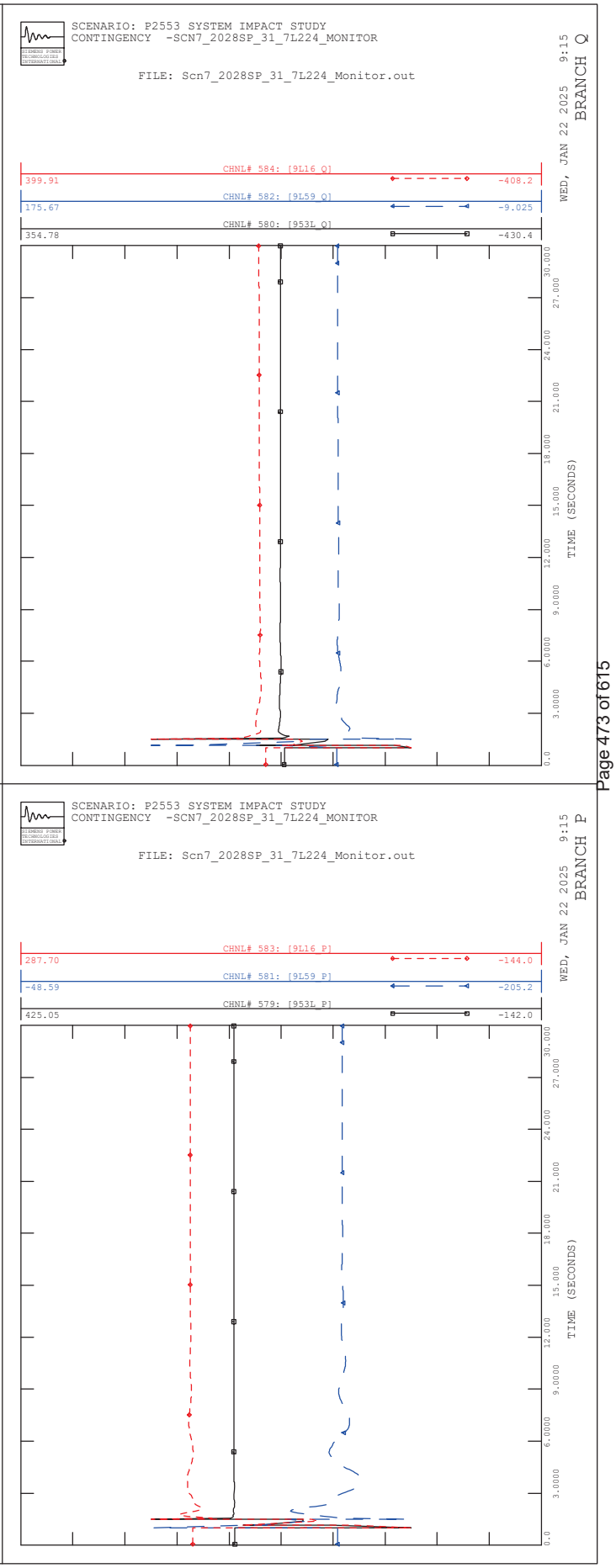
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000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CONTINGENCY -SCN7_2028SP_31_7L224_MONITOR
FILE: Scn7_2028SP_31_7L224_Monitor.out
CHNL# 584: [9L16_Q]
399.91
-408.2
CHNL# 582: [9L59_Q]
175.67
-9.025
CHNL# 580: [953L_Q]
354.78
-430.4
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_31_7L224_MONITOR
FILE: Scn7_2028SP_31_7L224_Monitor.out
CHNL# 575: [1047L_P]
779.67
-1235.
CHNL# 573: [749L_P]
195.32
-274.4
CHNL# 571: [715L_P]
324.05
-486.5
CHNL# 567: [948L_P]
15.539
-381.4
CHNL# 565: [7L224_P]
54.509
-40.00
CHNL# 563: [748L_P]
32.279
-72.05
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN7_2028SP_31_7L224_MONITOR
FILE: Scn7_2028SP_31_7L224_Monitor.out
CHNL# 583: [9L16_P]
287.70
-144.0
CHNL# 581: [9L59_P]
-48.59
-205.2
CHNL# 579: [953L_P]
425.05
-142.0
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_00_NOFAULT

FILE: Scn8_2028WP_00_nofault.out

WED, JAN 22 2025 9:15

ACTIVE POWER

CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1] 1.7090 1.3090
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2] 1.7090 1.3090
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2] 1.6000 1.2000
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1] 1.6000 1.2000
CHNL# 191: [POWR 1497[BAT #5 21.000]G5] 1.1480 0.74800
CHNL# 190: [POWR 1496[BAT #4 16.000]4] 0.51000 0.11000

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_00_NOFAULT

FILE: Scn8_2028WP_00_nofault.out

WED, JAN 22 2025 9:15

TERMINAL VOLTAGE

CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1] 1.1900 0.99000
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2] 1.1900 0.99000
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2] 1.1100 0.91000
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1] 1.1100 0.91000
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5] 1.1400 0.94000
CHNL# 451: [ETRM 1496[BAT #4 16.000]4] 1.1050 0.90500

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_00_NOFAULT

FILE: Scn8_2028WP_00_nofault.out

WED, JAN 22 2025 9:15

ROTOR ANGLE

CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2] 51.748 -48.25
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1] 49.563 -50.44
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5] 35.503 -64.50
CHNL# 16: [ANGL 1496[BAT #4 16.000]4] 32.413 -67.59

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_00_NOFAULT

FILE: Scn8_2028WP_00_nofault.out

WED, JAN 22 2025 9:15

REACTIVE POWER

CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1] 0.61490 -0.3851
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2] 0.61490 -0.3851
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2] 1.8228 0.82280
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1] 1.7675 0.76750
CHNL# 278: [VARS 1497[BAT #5 21.000]G5] 1.8771 0.87710
CHNL# 277: [VARS 1496[BAT #4 16.000]4] 0.79070 -0.2093

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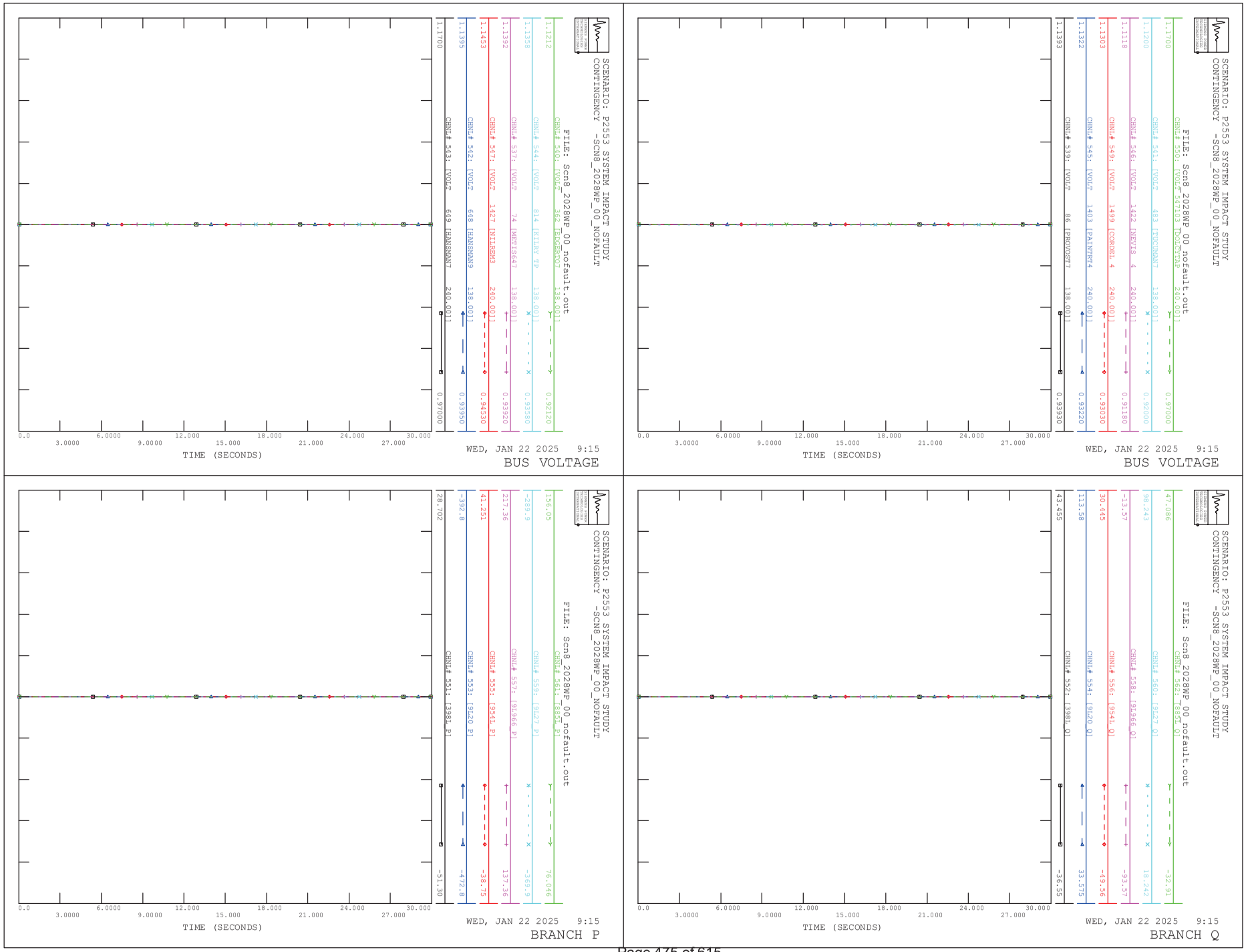
TIME (SECONDS)


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_00_NOFAULT
FILE: Scn8_2028WP_00_nofault.out
CKNL# 550: [VOLT 47103 TOOLCYTAP 240.00]
CKNL# 541: [VOLT 493 TRUCKMAN7 138.00]
CKNL# 546: [VOLT 1422 [NEVIS 4 240.00]
CKNL# 549: [VOLT 1499 [CORDEL 4 240.00]
CKNL# 545: [VOLT 1403 [PAINTRT4 240.00]
CKNL# 539: [VOLT 86 [PROVOST7 138.00]
1.1700
1.1200
1.1118
1.1303
1.1322
1.1393
0.97000
0.92000
0.91180
0.93030
0.93220
0.93930
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000
TIME (SECONDS)
WED, JAN 22 2025 9:15
BUS VOLTAGE
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_00_NOFAULT
FILE: Scn8_2028WP_00_nofault.out
CKNL# 540: [VOLT 362 [BUCKEYE7 138.00]
CKNL# 544: [VOLT 814 [KILBY TP 138.00]
CKNL# 537: [VOLT 74 [MSTIS647 138.00]
CKNL# 547: [VOLT 1427 [NILREM3 240.00]
CKNL# 542: [VOLT 648 [HANSMAN9 138.00]
CKNL# 543: [VOLT 649 [HANSMAN7 240.00]
1.1212
1.1358
1.1392
1.1453
1.1395
1.1700
0.92120
0.93580
0.93920
0.94530
0.93950
0.97000
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000
TIME (SECONDS)
WED, JAN 22 2025 9:15
BUS VOLTAGE
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_00_NOFAULT
FILE: Scn8_2028WP_00_nofault.out
CKNL# 562: [85L Q]
CKNL# 560: [9L27 Q]
CKNL# 558: [9L966 Q]
CKNL# 556: [954L Q]
CKNL# 554: [9L20 Q]
CKNL# 552: [398L Q]
47.086
98.243
-13.57
30.445
113.58
43.455
-32.91
18.242
-93.57
-49.56
33.575
-36.55
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000
TIME (SECONDS)
WED, JAN 22 2025 9:15
BRANCH Q
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_00_NOFAULT
FILE: Scn8_2028WP_00_nofault.out
CKNL# 561: [88L P]
CKNL# 559: [9L27 P]
CKNL# 557: [9L966 P]
CKNL# 555: [954L P]
CKNL# 553: [9L20 P]
CKNL# 551: [398L P]
156.05
-289.9
217.36
41.251
-392.8
28.702
76.046
-369.9
137.36
-38.75
-472.8
-51.30
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000
TIME (SECONDS)
WED, JAN 22 2025 9:15
BRANCH P

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_00_NOFAULT

FILE: Scn8_2028WP_00_nofault.out

WED, JAN 22 2025 9:15

BRANCH Q

CHNL# 576: [1047L Q]
89.723 9.7223

CHNL# 574: [749L Q]
58.553 -21.45

CHNL# 572: [715L Q]
56.843 -23.16

CHNL# 568: [948L Q]
58.875 -21.13

CHNL# 566: [7L224 Q]
6.3871 -73.61

CHNL# 564: [748L Q]
45.941 -34.06

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_00_NOFAULT

FILE: Scn8_2028WP_00_nofault.out

WED, JAN 22 2025 9:15

BRANCH Q

CHNL# 584: [9L16 Q]
55.898 -24.10

CHNL# 582: [9L59 Q]
49.286 -30.71

CHNL# 580: [953L Q]
7.0786 -72.92

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_00_NOFAULT

FILE: Scn8_2028WP_00_nofault.out

WED, JAN 22 2025 9:15

BRANCH P

CHNL# 575: [1047L P]
-348.4 -428.4

CHNL# 573: [749L P]
14.813 -65.19

CHNL# 571: [715L P]
-35.38 -115.4

CHNL# 567: [948L P]
-67.68 -147.7

CHNL# 565: [7L224 P]
-1.477 -81.48

CHNL# 563: [748L P]
12.697 -67.30

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_00_NOFAULT

FILE: Scn8_2028WP_00_nofault.out

WED, JAN 22 2025 9:15

BRANCH P

CHNL# 583: [9L16 P]
217.99 137.99

CHNL# 581: [9L59 P]
211.95 131.94

CHNL# 579: [953L P]
320.76 240.76

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_01_749L_KILLARNEY

FILE: Scn8_2028WP_01_749L_Killarney.out

WED, JAN 22 2025 9:15

ACTIVE POWER

CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.3506 0.56800

CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.3504 0.56800

CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.8477 0.83860

CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.8708 0.83000

CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.8888 -0.0392

CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.98490 -0.3118

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_01_749L_KILLARNEY

FILE: Scn8_2028WP_01_749L_Killarney.out

WED, JAN 22 2025 9:15

TERMINAL VOLTAGE

CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.5518 0.60660

CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.5520 0.60660

CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1748 0.85580

CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1691 0.85930

CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.2301 0.86120

CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1925 0.83780

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_01_749L_KILLARNEY

FILE: Scn8_2028WP_01_749L_Killarney.out

WED, JAN 22 2025 9:15

ROTOR ANGLE

CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
54.722 -53.84

CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
52.360 -55.92

CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
36.777 -72.75

CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
32.566 -78.16

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TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_01_749L_KILLARNEY

FILE: Scn8_2028WP_01_749L_Killarney.out

WED, JAN 22 2025 9:15

REACTIVE POWER

CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.3095 -0.4255

CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.3128 -0.4255

CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
2.7661 -0.4549

CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
2.8504 -0.6932

CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
3.2741 -0.4740

CHNL# 277: [VARS 1496[BAT #4 16.000]4]
1.3994 -0.6380

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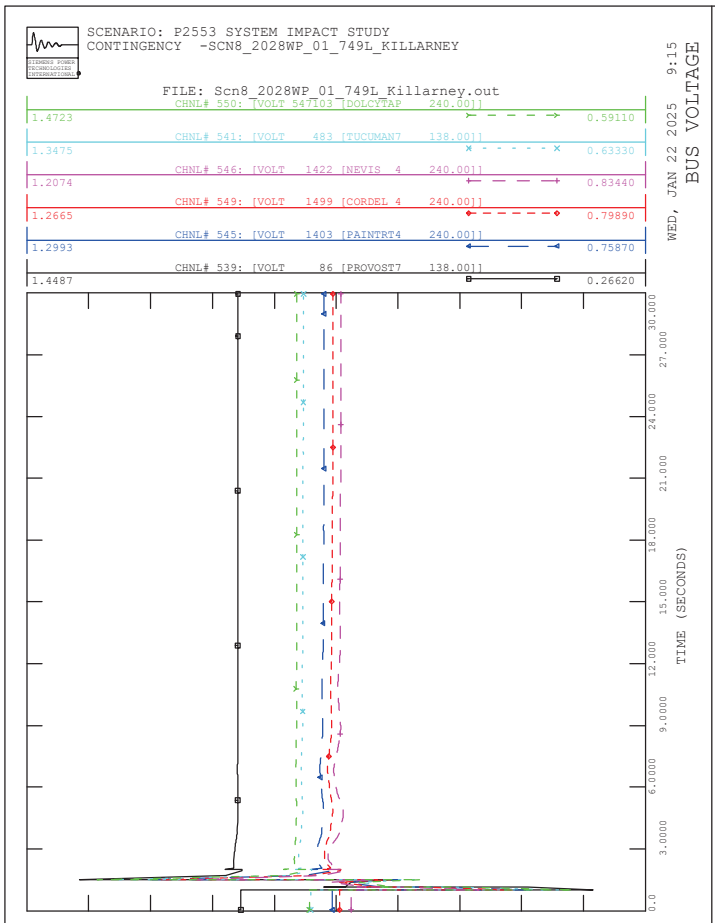
TIME (SECONDS)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CONTINGENCY -SCN8_2028WP_01_749L_KILLARNEY
FILE: Scn8_2028WP_01_749L_Killarney.out
CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.4723
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CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.3475
0.63330
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.2074
0.83440
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2665
0.79890
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.2993
0.75870
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.4487
0.26620
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
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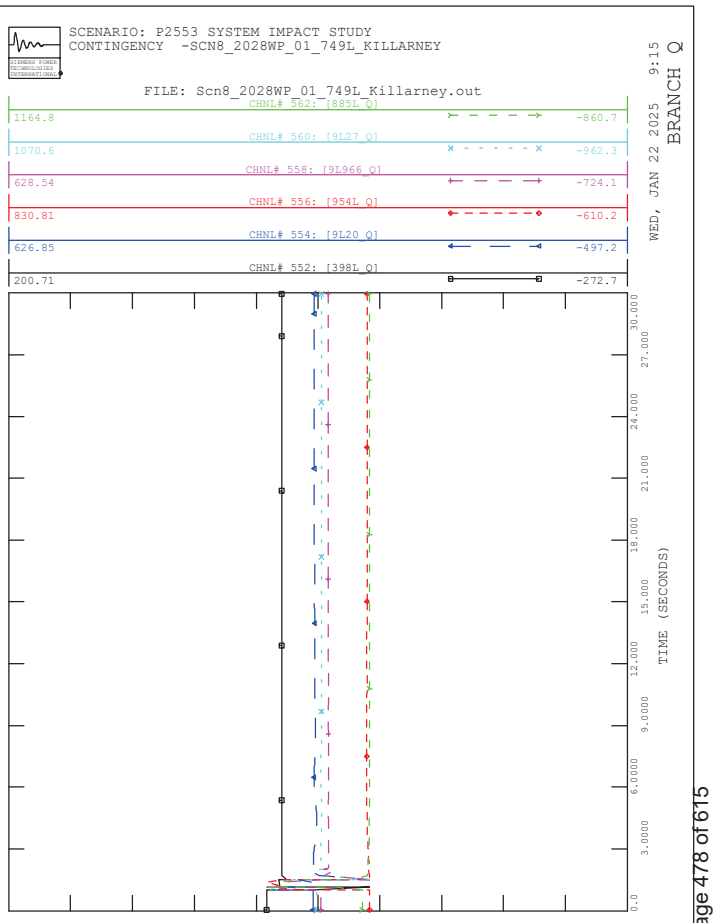
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CONTINGENCY -SCN8_2028WP_01_749L_KILLARNEY
FILE: Scn8_2028WP_01_749L_Killarney.out
CHNL# 562: [885L Q]
1164.8
-860.7
CHNL# 560: [9L27 Q]
1070.6
-962.3
CHNL# 558: [9L966 Q]
628.54
-724.1
CHNL# 556: [954L Q]
830.81
-610.2
CHNL# 554: [9L20 Q]
626.85
-497.2
CHNL# 552: [398L Q]
200.71
-272.7
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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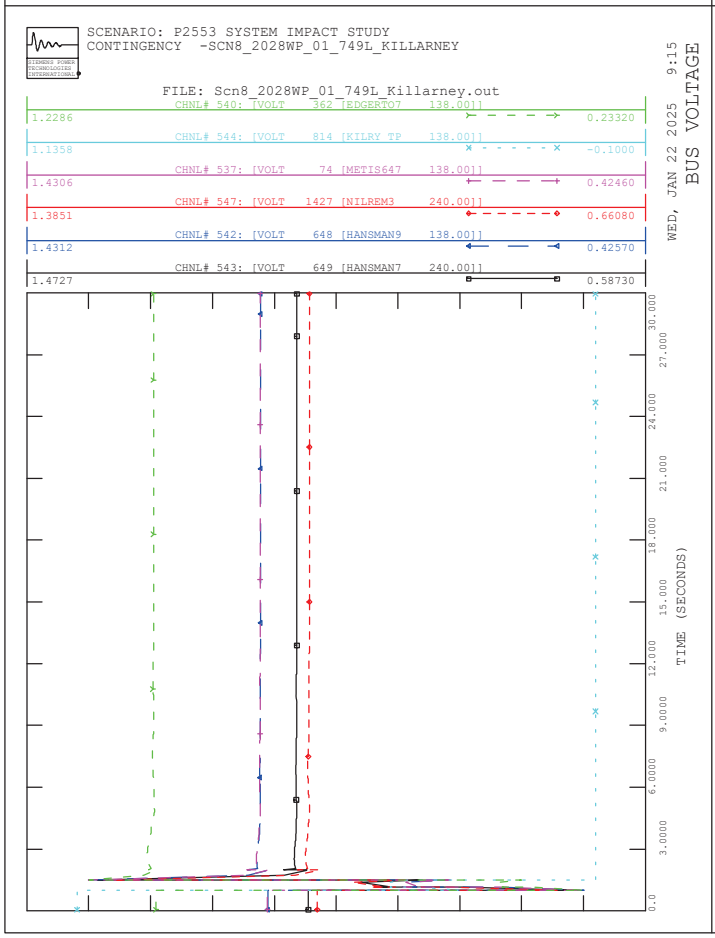
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_01_749L_KILLARNEY
FILE: Scn8_2028WP_01_749L_Killarney.out
CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.2286
0.23320
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.1358
-0.1000
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.4306
0.42460
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.3851
0.66080
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.4312
0.42570
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.4727
0.58730
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
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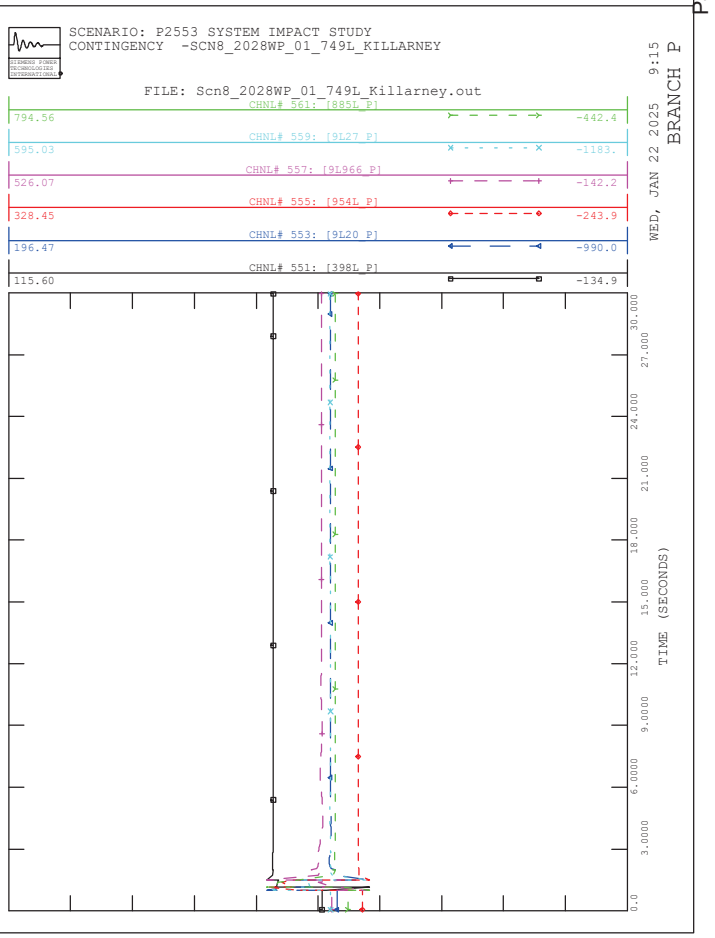
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CONTINGENCY -SCN8_2028WP_01_749L_KILLARNEY
FILE: Scn8_2028WP_01_749L_Killarney.out
CHNL# 561: [885L P]
794.56
-442.4
CHNL# 559: [9L27 P]
595.03
-1183.
CHNL# 557: [9L966 P]
526.07
-142.2
CHNL# 555: [954L P]
328.45
-243.9
CHNL# 553: [9L20 P]
196.47
-990.0
CHNL# 551: [398L P]
115.60
-134.9
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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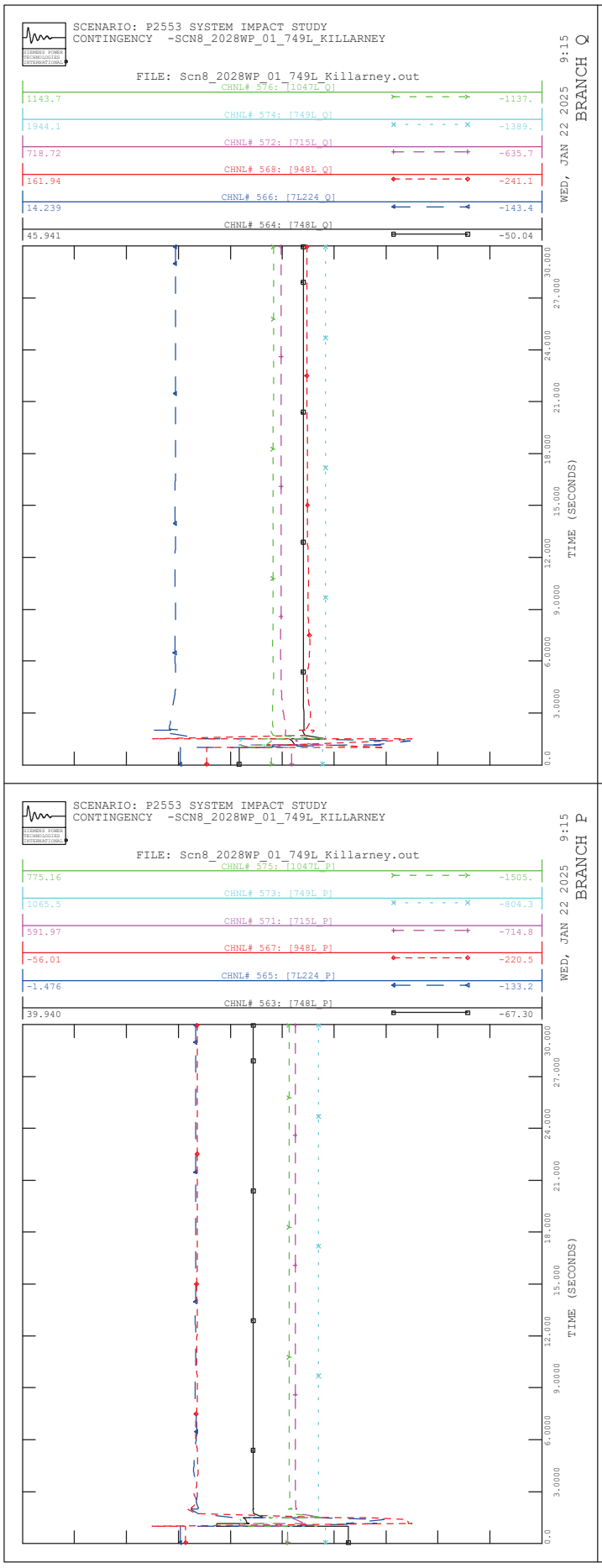
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CONTINGENCY -SCN8_2028WP_01_749L_KILLARNEY
FILE: Scn8_2028WP_01_749L_Killarney.out
CHNL# 576: [1047L Q]
1143.7
-1137.
CHNL# 574: [749L Q]
1944.1
-1389.
CHNL# 572: [715L Q]
718.72
-635.7
CHNL# 568: [948L Q]
161.94
-241.1
CHNL# 566: [7L224 Q]
14.239
-143.4
CHNL# 564: [748L Q]
45.941
-50.04
BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
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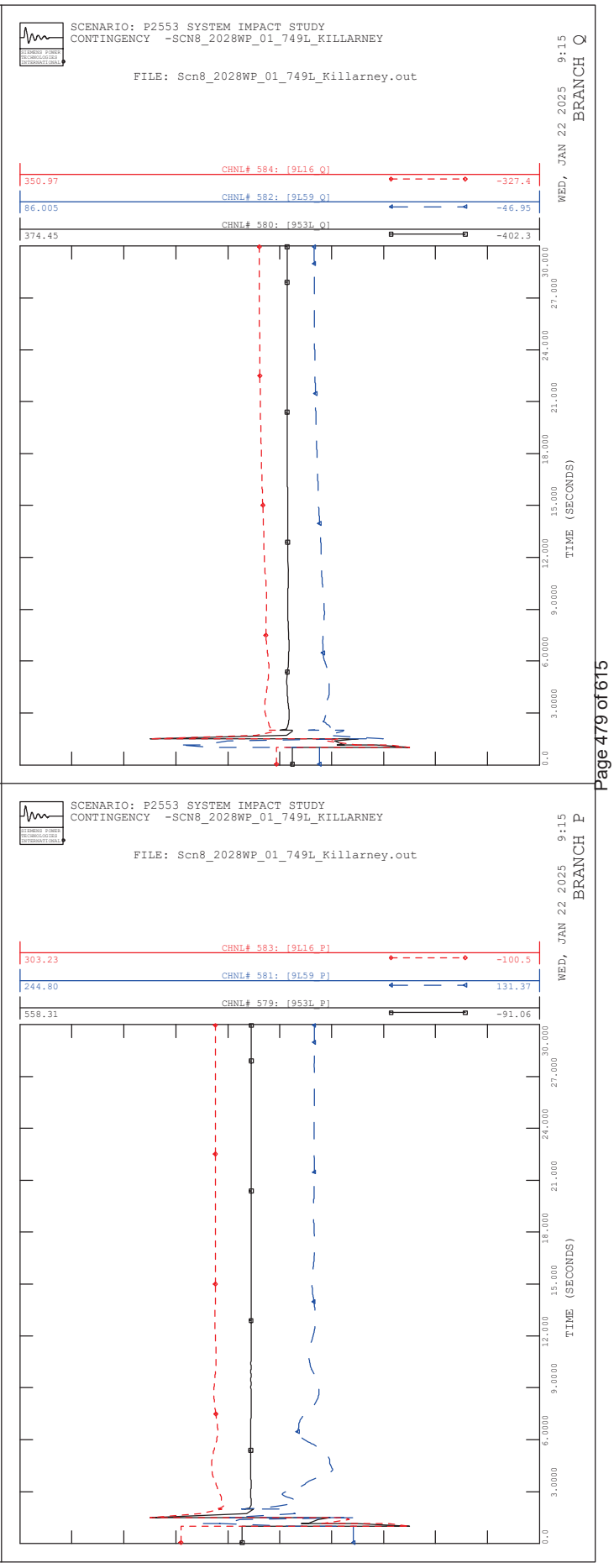
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_01_749L_KILLARNEY
FILE: Scn8_2028WP_01_749L_Killarney.out
CHNL# 584: [9L16 Q]
350.97
-327.4
CHNL# 582: [9L59 Q]
86.005
-46.95
CHNL# 580: [953L Q]
374.45
-402.3
BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_01_749L_KILLARNEY
FILE: Scn8_2028WP_01_749L_Killarney.out
CHNL# 575: [1047L P]
775.16
-1505.
CHNL# 573: [749L P]
1065.5
-804.3
CHNL# 571: [715L P]
591.97
-714.8
CHNL# 567: [948L P]
-56.01
-220.5
CHNL# 565: [7L224 P]
-1.476
-133.2
CHNL# 563: [748L P]
39.940
-67.30
BRANCH P
WED, JAN 22 2025 9:15
TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_01_749L_KILLARNEY
FILE: Scn8_2028WP_01_749L_Killarney.out
CHNL# 583: [9L16 P]
303.23
-100.5
CHNL# 581: [9L59 P]
244.80
131.37
CHNL# 579: [953L P]
558.31
-91.06
BRANCH P
WED, JAN 22 2025 9:15
TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_02_749L_METISKOW

FILE: Scn8_2028WP_02_749L_Metiskow.out

WED, JAN 22 2025 9:15

ACTIVE POWER

CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.2450 0.00980

CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.2584 0.00980

CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
2.5556 0.81680

CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
2.4702 0.75230

CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.9132 0.30610

CHNL# 190: [POWR 1496[BAT #4 16.000]4]
1.0637 -0.4014

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_02_749L_METISKOW

FILE: Scn8_2028WP_02_749L_Metiskow.out

WED, JAN 22 2025 9:15

TERMINAL VOLTAGE

CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.4804 0.26930

CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.4806 0.26930

CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.2408 0.79630

CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.2267 0.80350

CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.2174 0.78520

CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1504 0.77500

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_02_749L_METISKOW

FILE: Scn8_2028WP_02_749L_Metiskow.out

WED, JAN 22 2025 9:15

ROTOR ANGLE

CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
55.550 -55.60

CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
52.942 -57.89

CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
37.016 -72.51

CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
32.772 -75.80

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_02_749L_METISKOW

FILE: Scn8_2028WP_02_749L_Metiskow.out

WED, JAN 22 2025 9:15

REACTIVE POWER

CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.5432 -0.4625

CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.5506 -0.4650

CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
4.2220 -0.2608

CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
3.9866 -0.5063

CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
4.3664 -0.5546

CHNL# 277: [VARS 1496[BAT #4 16.000]4]
2.1680 -0.9718

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_02_749L_METISKOW

FILE: Scn8_2028WP_02_749L_Metiskow.out

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.3919 0.26050
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.2742 0.37660
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.1937 0.74880
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2444 0.66990
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.2685 0.59110
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.2592 -0.0669

WED, JAN 22 2025 9:15 BUS VOLTAGE

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_02_749L_METISKOW

FILE: Scn8_2028WP_02_749L_Metiskow.out

CHNL# 562: [885L Q]
510.71 -582.6
CHNL# 560: [9L27 Q]
1421.6 -1144.
CHNL# 558: [9L966 Q]
731.82 -785.0
CHNL# 556: [954L Q]
877.01 -642.8
CHNL# 554: [9L20 Q]
801.63 -593.9
CHNL# 552: [398L Q]
717.49 -996.2

WED, JAN 22 2025 9:15 BRANCH Q

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_02_749L_METISKOW

FILE: Scn8_2028WP_02_749L_Metiskow.out

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.1453 -0.0329
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.1358 -0.1000
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.2879 -0.0907
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.3183 0.40370
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.2868 -0.0818
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.3910 0.25440

WED, JAN 22 2025 9:15 BUS VOLTAGE

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_02_749L_METISKOW

FILE: Scn8_2028WP_02_749L_Metiskow.out

CHNL# 561: [885L P]
571.74 -400.3
CHNL# 559: [9L27 P]
692.57 -1124.
CHNL# 557: [9L966 P]
1271.1 -802.1
CHNL# 555: [954L P]
399.46 -286.9
CHNL# 553: [9L20 P]
403.18 -1093.
CHNL# 551: [398L P]
435.52 -589.0

WED, JAN 22 2025 9:15 BRANCH P

TIME (SECONDS)
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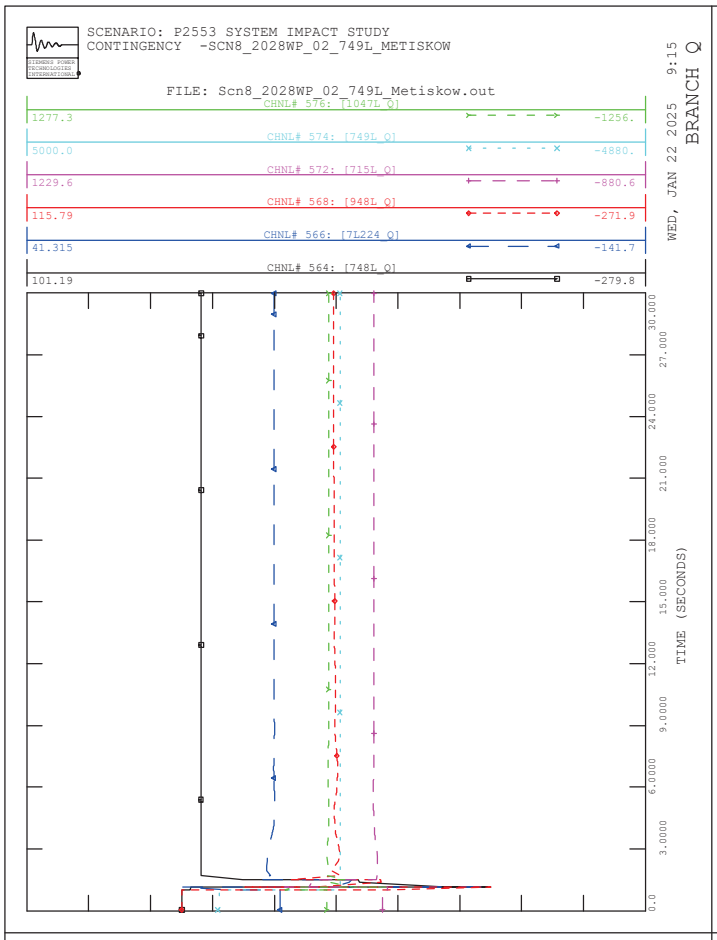
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_02_749L_METISKOW
FILE: Scn8_2028WP_02_749L_Metiskow.out
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1277.3
-1256.
CHNL# 574: [749L_Q]
5000.0
-4880.
CHNL# 572: [715L_Q]
1229.6
-880.6
CHNL# 568: [948L_Q]
115.79
-271.9
CHNL# 566: [7L224_Q]
41.315
-141.7
CHNL# 564: [748L_Q]
101.19
-279.8
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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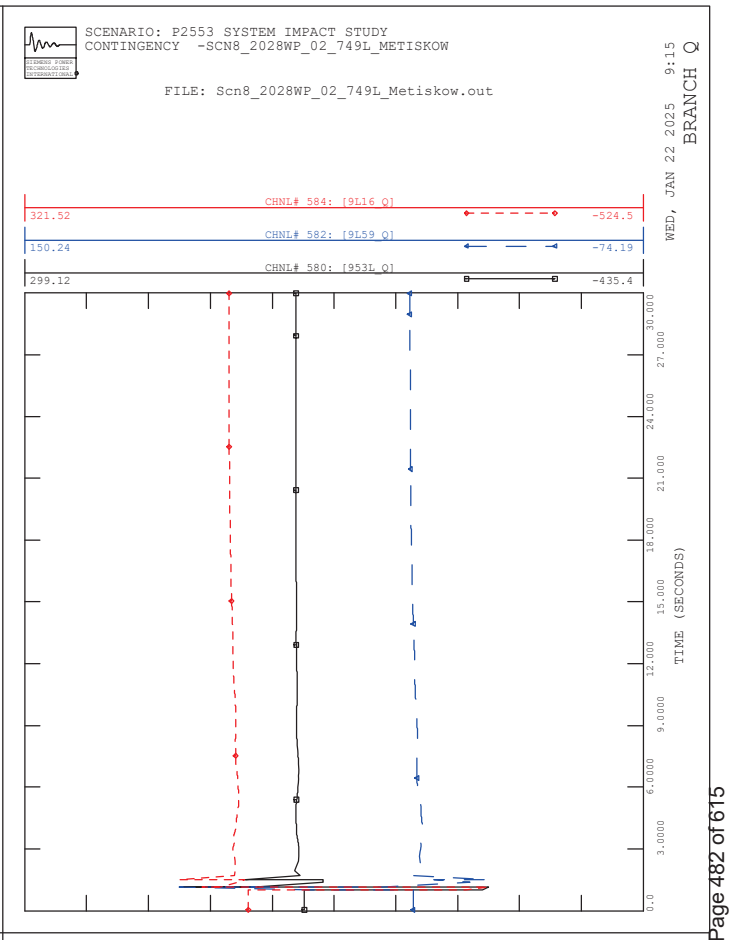
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_02_749L_METISKOW
FILE: Scn8_2028WP_02_749L_Metiskow.out
CHNL# 584: [9L16_Q]
321.52
-524.5
CHNL# 582: [9L59_Q]
150.24
-74.19
CHNL# 580: [953L_Q]
299.12
-435.4
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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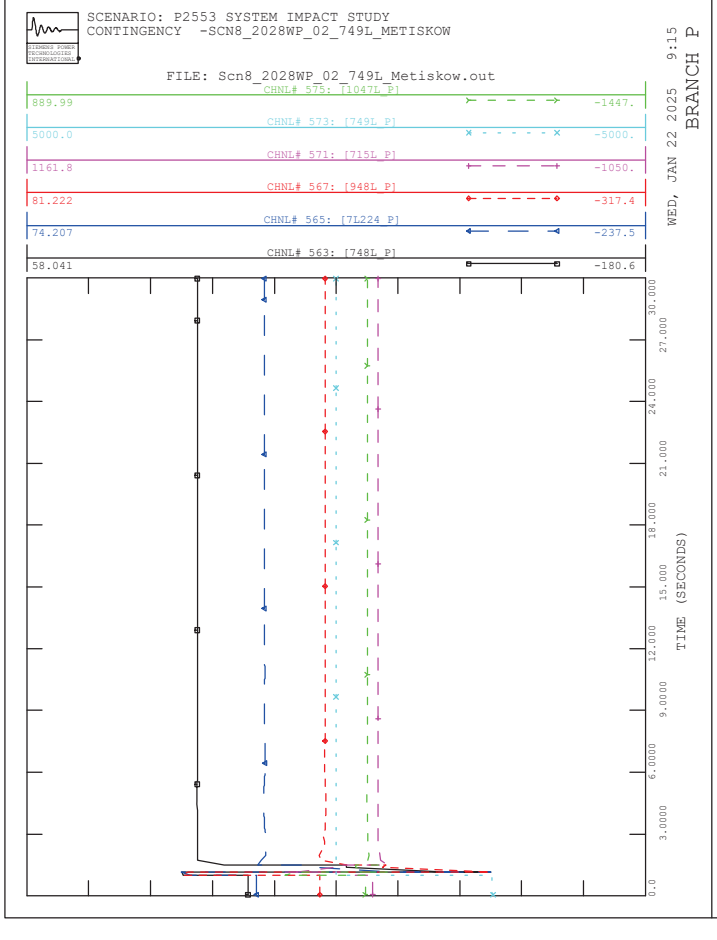
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_02_749L_METISKOW
FILE: Scn8_2028WP_02_749L_Metiskow.out
CHNL# 575: [1047L_P]
889.99
-1447.
CHNL# 573: [749L_P]
5000.0
-5000.
CHNL# 571: [715L_P]
1161.8
-1050.
CHNL# 567: [948L_P]
81.222
-317.4
CHNL# 565: [7L224_P]
74.207
-237.5
CHNL# 563: [748L_P]
58.041
-180.6
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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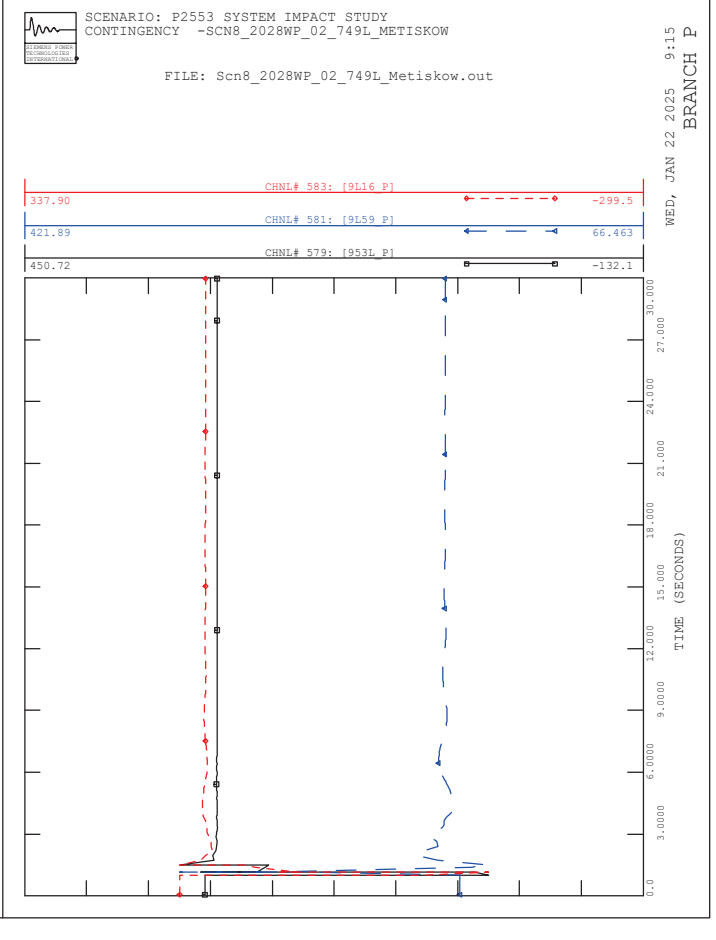
27.000
30.000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CONTINGENCY -SCN8_2028WP_02_749L_METISKOW
FILE: Scn8_2028WP_02_749L_Metiskow.out
CHNL# 583: [9L16_P]
337.90
-299.5
CHNL# 581: [9L59_P]
421.89
66.463
CHNL# 579: [953L_P]
450.72
-132.1
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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18.000
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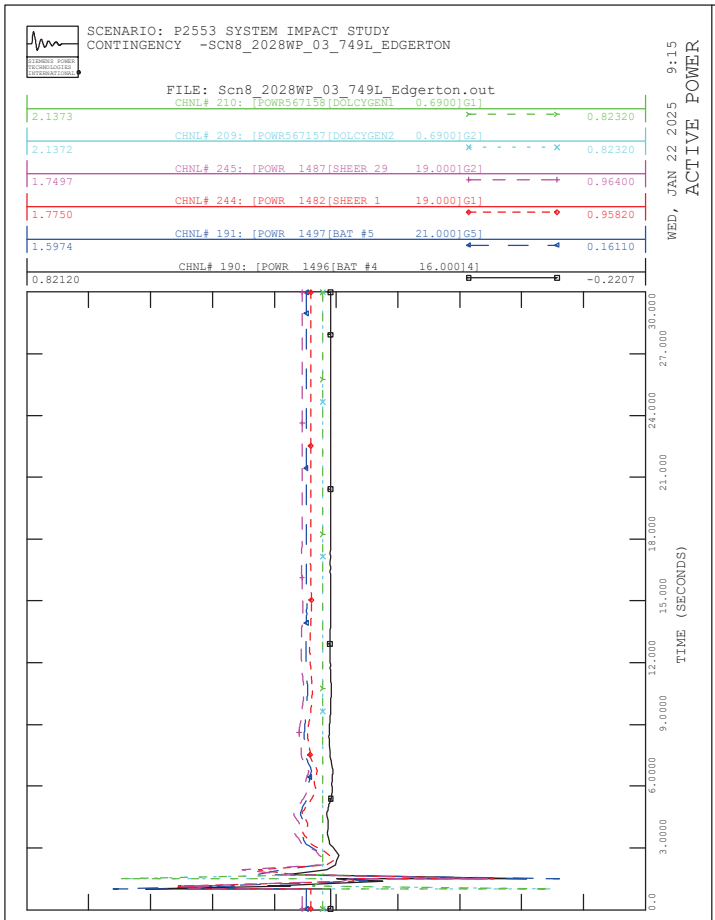
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_03_749L_EDGERTON
FILE: Scn8_2028WP_03_749L_Edgerton.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
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0.82320
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.1372
0.82320
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.7497
0.96400
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.7750
0.95820
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.5974
0.16110
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.82120
-0.2207
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
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6.0000
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21.000
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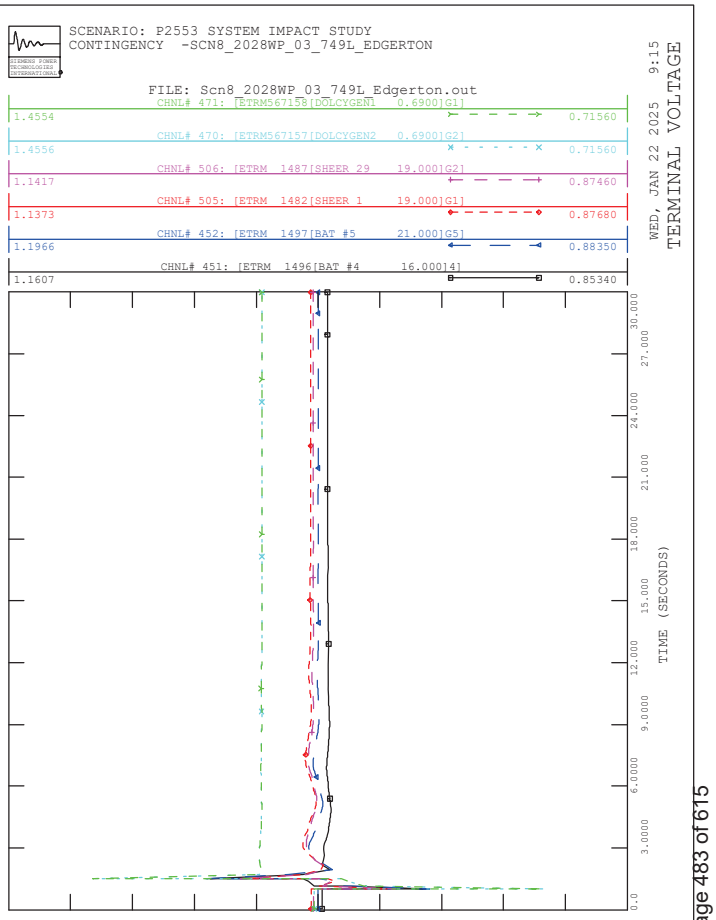
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_03_749L_EDGERTON
FILE: Scn8_2028WP_03_749L_Edgerton.out
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CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
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0.71560
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1417
0.87460
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1373
0.87680
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1966
0.88350
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1607
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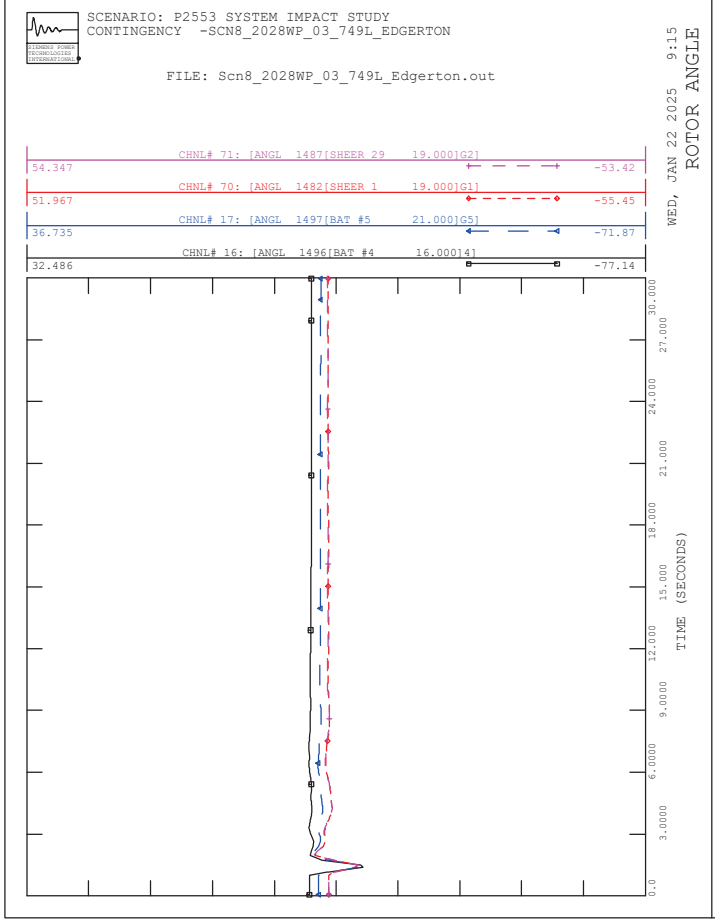
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_03_749L_EDGERTON
FILE: Scn8_2028WP_03_749L_Edgerton.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
54.347
-53.42
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
51.967
-55.45
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
36.735
-71.87
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
32.486
-77.14
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
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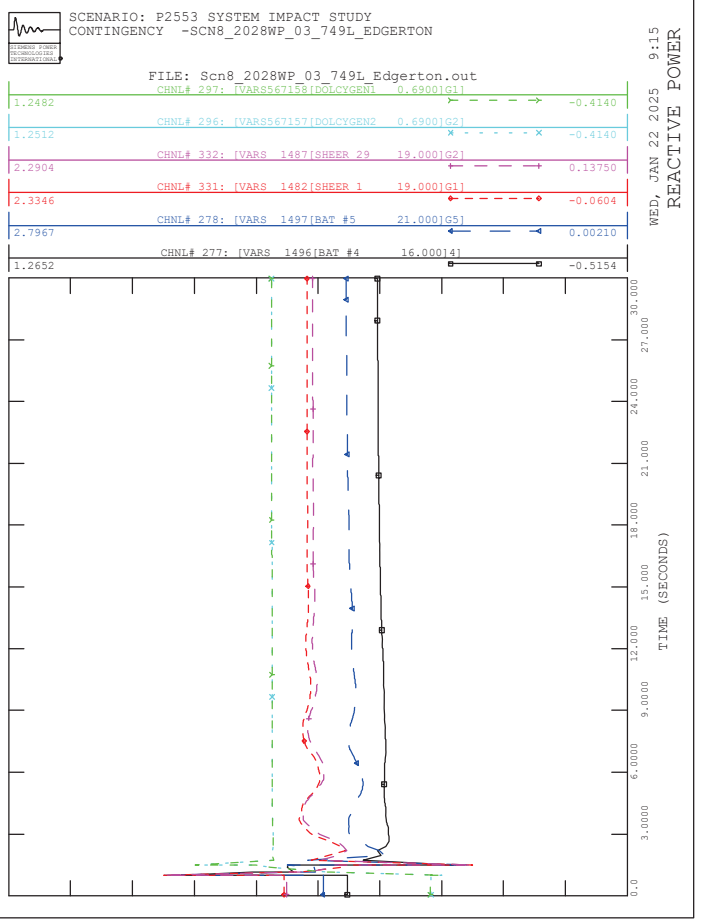
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_03_749L_EDGERTON
FILE: Scn8_2028WP_03_749L_Edgerton.out
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CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.2512
-0.4140
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
2.2904
0.13750
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
2.3346
-0.0604
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
2.7967
0.00210
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
1.2652
-0.5154
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
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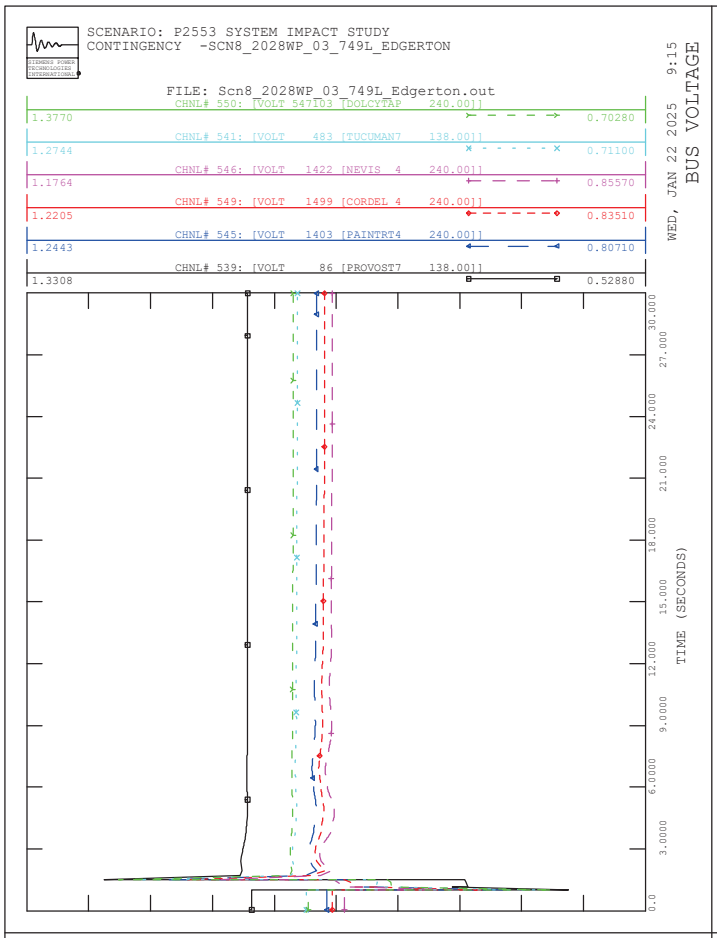
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_03_749L_EDGERTON
FILE: Scn8_2028WP_03_749L_Edgerton.out
CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.3770
0.70280
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.2744
0.71100
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.1764
0.85570
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2205
0.83510
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.2443
0.80710
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.3308
0.52880
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
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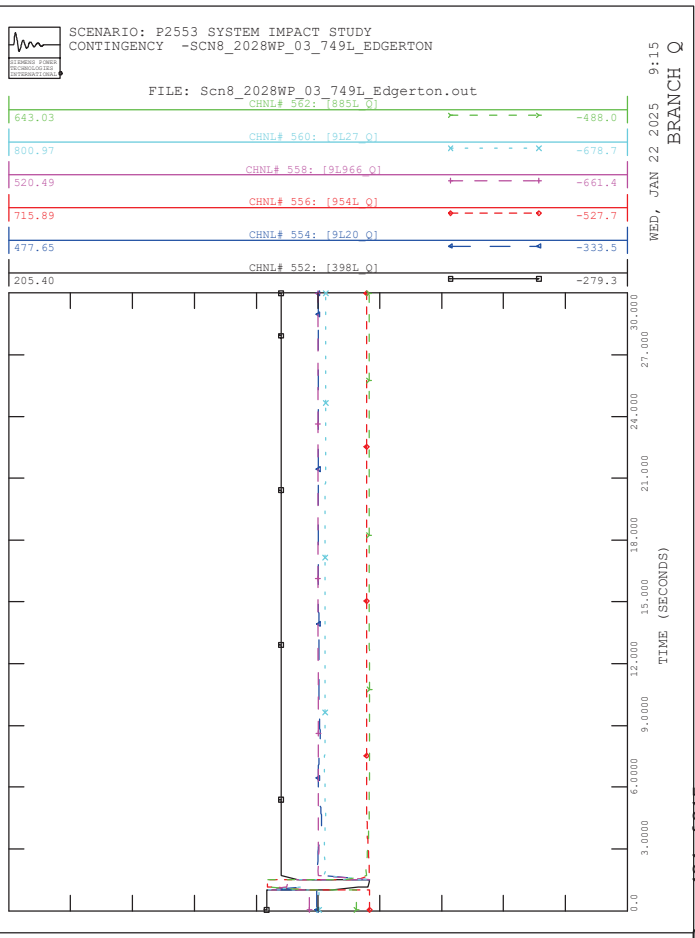
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_03_749L_EDGERTON
FILE: Scn8_2028WP_03_749L_Edgerton.out
CHNL# 562: [885L Q]
643.03
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CHNL# 560: [9L27 Q]
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-678.7
CHNL# 558: [9L966 Q]
520.49
-661.4
CHNL# 556: [954L Q]
715.89
-527.7
CHNL# 554: [9L20 Q]
477.65
-333.5
CHNL# 552: [398L Q]
205.40
-279.3
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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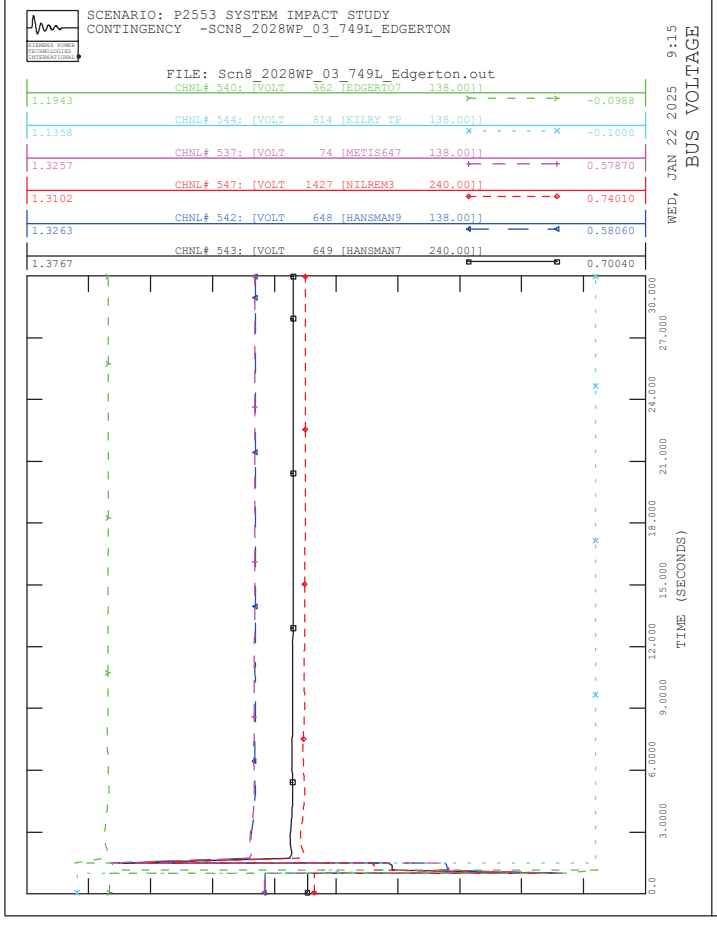
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_03_749L_EDGERTON
FILE: Scn8_2028WP_03_749L_Edgerton.out
CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.1943
-0.0988
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.1358
-0.1000
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.3257
0.57870
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.3102
0.74010
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.3263
0.58060
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.3767
0.70040
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
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12.000
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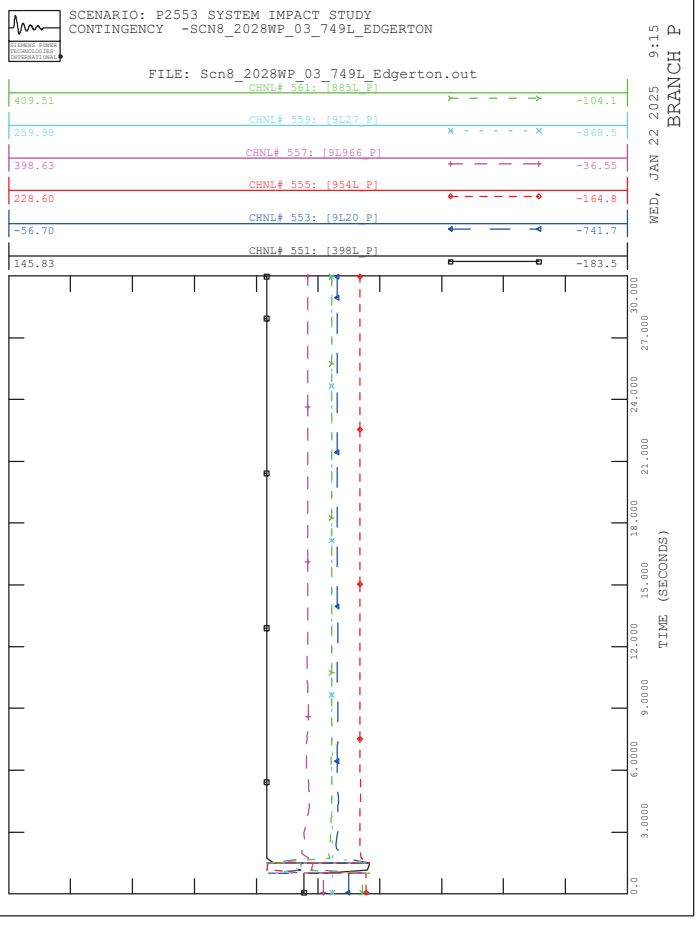

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_03_749L_EDGERTON
FILE: Scn8_2028WP_03_749L_Edgerton.out
CHNL# 561: [885L P]
409.51
-104.1
CHNL# 559: [9L27 P]
259.98
-868.5
CHNL# 557: [9L966 P]
398.63
-36.55
CHNL# 555: [954L P]
228.60
-164.8
CHNL# 553: [9L20 P]
-56.70
-741.7
CHNL# 551: [398L P]
145.83
-183.5
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_03_749L_EDGERTON

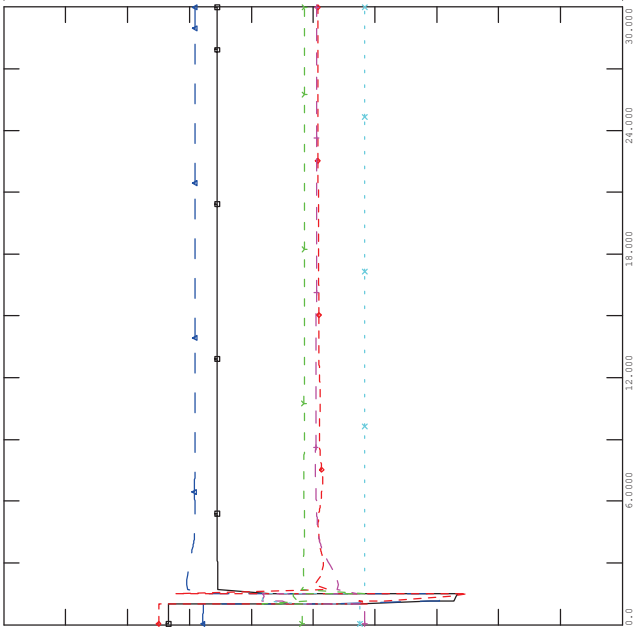
FILE: Scn8_2028WP_03_749L_Edgerton.out

WED, JAN 22 2025 9:15

BRANCH Q

CHNL# 576: [1047L Q] 861.38 -820.8
CHNL# 574: [749L Q] 1469.5 -1050.
CHNL# 572: [715L Q] 222.96 -130.4
CHNL# 568: [948L Q] 92.215 -201.1
CHNL# 566: [7L224 Q] 10.031 -125.5
CHNL# 564: [748L Q] 45.941 -104.4

TIME (SECONDS)



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CONTINGENCY -SCN8_2028WP_03_749L_EDGERTON

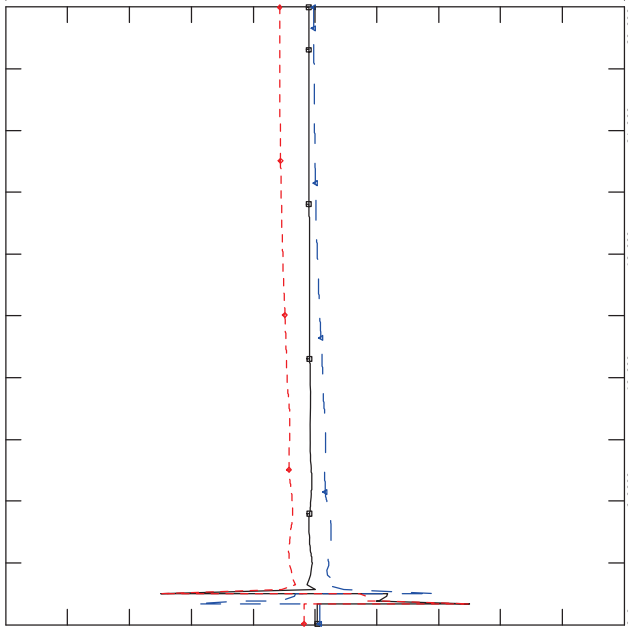
FILE: Scn8_2028WP_03_749L_Edgerton.out

WED, JAN 22 2025 9:15

BRANCH Q

CHNL# 584: [9L16 Q] 284.42 -272.8
CHNL# 582: [9L59 Q] 76.059 -55.54
CHNL# 580: [953L Q] 257.70 -319.8

TIME (SECONDS)



SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_03_749L_EDGERTON

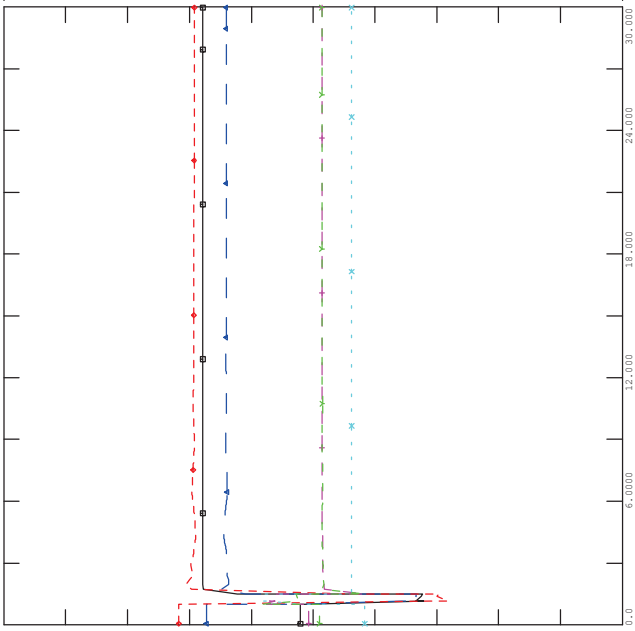
FILE: Scn8_2028WP_03_749L_Edgerton.out

WED, JAN 22 2025 9:15

BRANCH P

CHNL# 575: [1047L P] 366.80 -1114.
CHNL# 573: [749L P] 667.58 -520.2
CHNL# 571: [715L P] 332.77 -496.0
CHNL# 567: [948L P] -67.67 -209.3
CHNL# 565: [7L224 P] -1.463 -123.6
CHNL# 563: [748L P] 32.354 -92.13

TIME (SECONDS)



SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_03_749L_EDGERTON

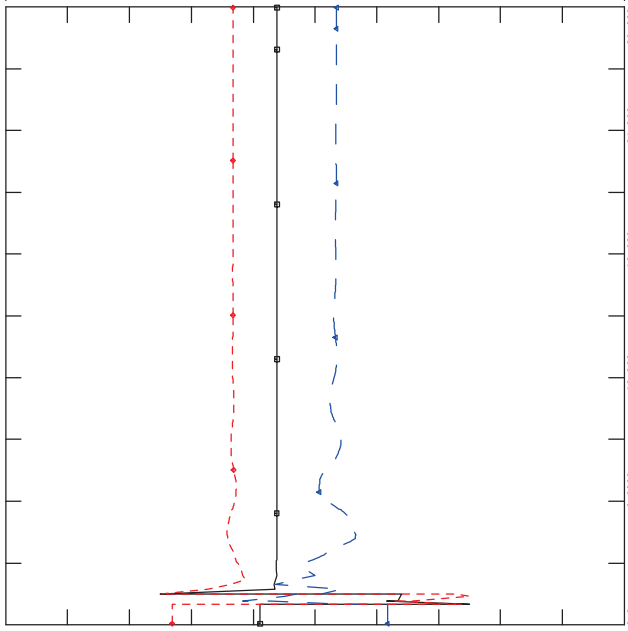
FILE: Scn8_2028WP_03_749L_Edgerton.out

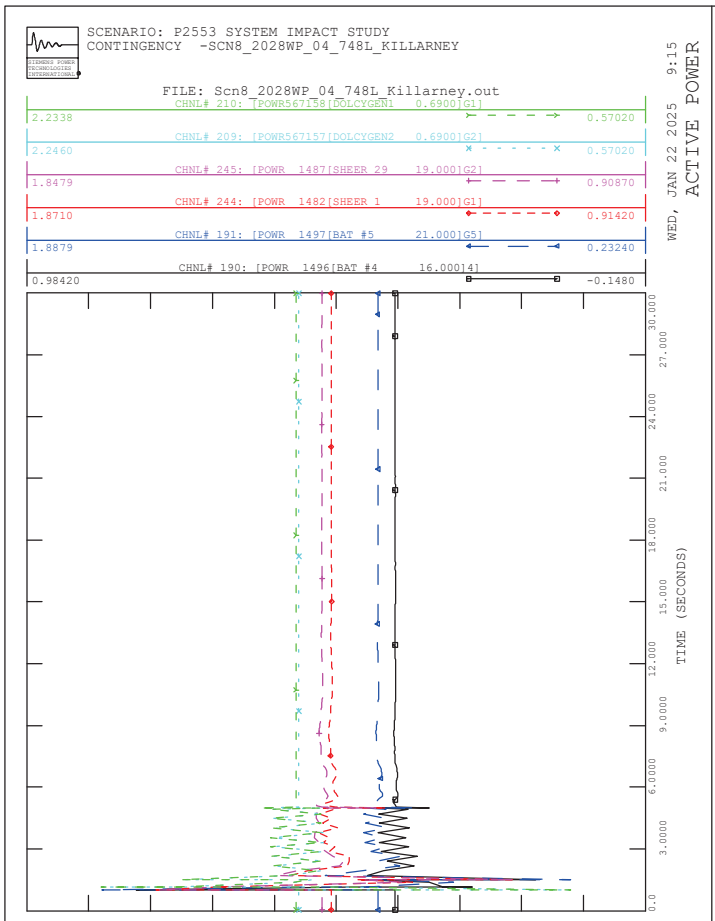
WED, JAN 22 2025 9:15

BRANCH P

CHNL# 583: [9L16 P] 250.77 -19.79
CHNL# 581: [9L59 P] 236.45 131.94
CHNL# 579: [953L P] 450.79 37.469

TIME (SECONDS)




SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_04_748L_KILLARNEY
FILE: Scn8_2028WP_04_748L_Killarney.out
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CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.2460
0.57020
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.8479
0.90870
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.8710
0.91420
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.8879
0.23240
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.98420
-0.1480
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
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6.0000
9.0000
12.000
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18.000
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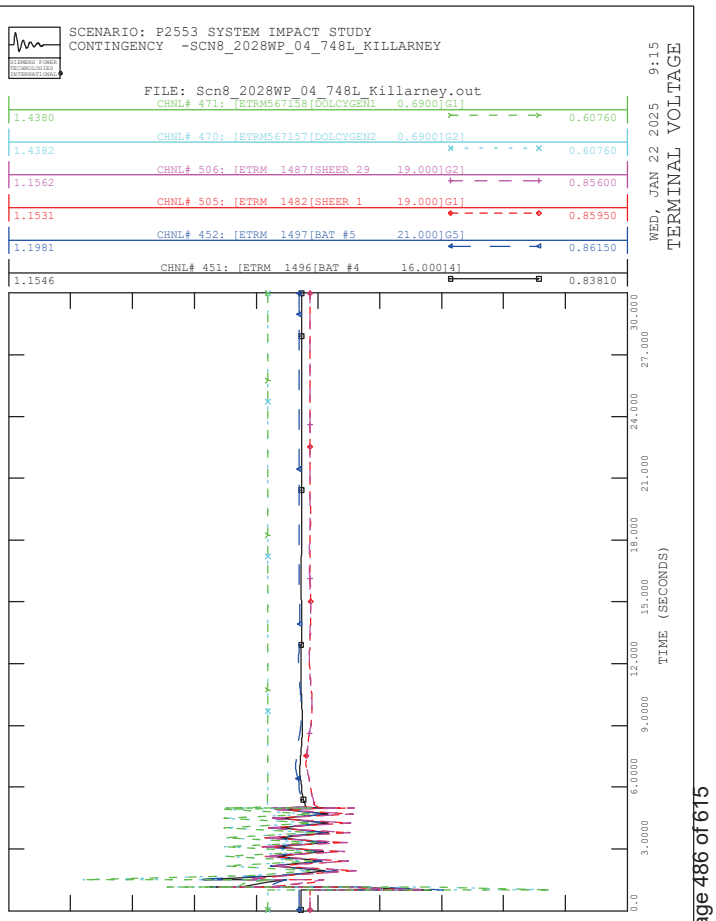
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_04_748L_KILLARNEY
FILE: Scn8_2028WP_04_748L_Killarney.out
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1.4380
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CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
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0.60760
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1562
0.85600
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1531
0.85950
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1981
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CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1546
0.83810
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
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18.000
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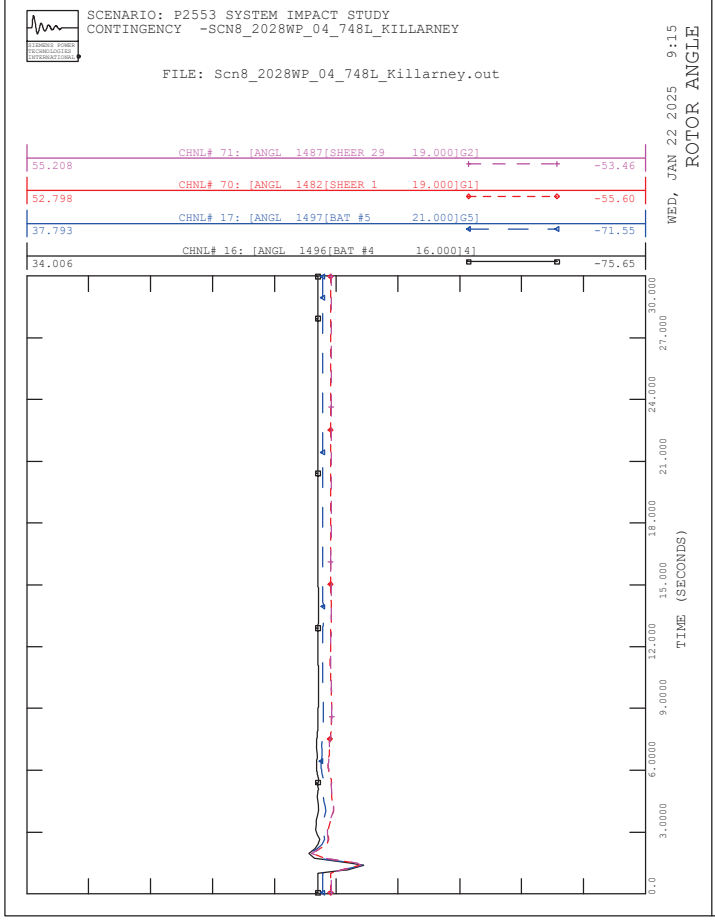
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_04_748L_KILLARNEY
FILE: Scn8_2028WP_04_748L_Killarney.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
55.208
-53.46
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
52.798
-55.60
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
37.793
-71.55
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
34.006
-75.65
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
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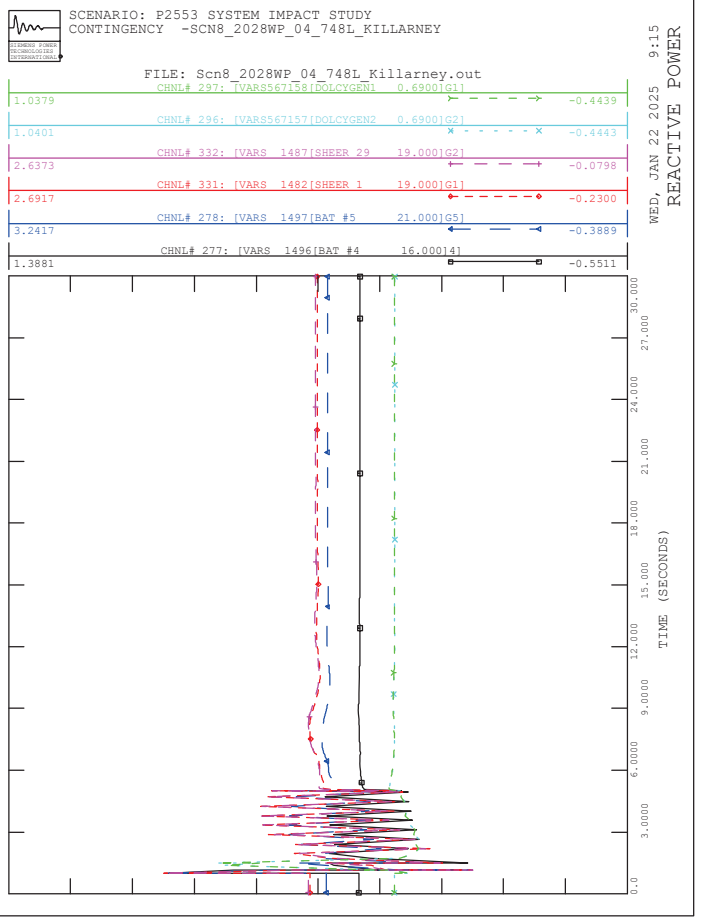
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_04_748L_KILLARNEY
FILE: Scn8_2028WP_04_748L_Killarney.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.0379
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CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.0401
-0.4443
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
2.6373
-0.0798
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
2.6917
-0.2300
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
3.2417
-0.3889
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
1.3881
-0.5511
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
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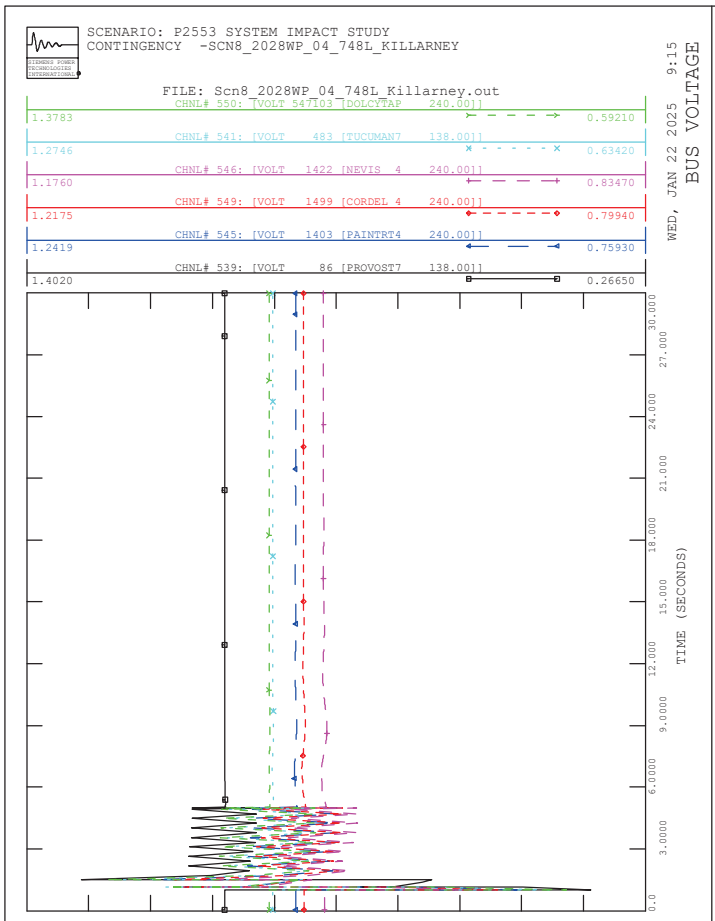
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_04_748L_KILLARNEY
FILE: Scn8_2028WP_04_748L_Killarney.out
CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.3783
0.59210
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.2746
0.63420
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.1760
0.83470
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2175
0.79940
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.2419
0.75930
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.4020
0.26650
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
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6.0000
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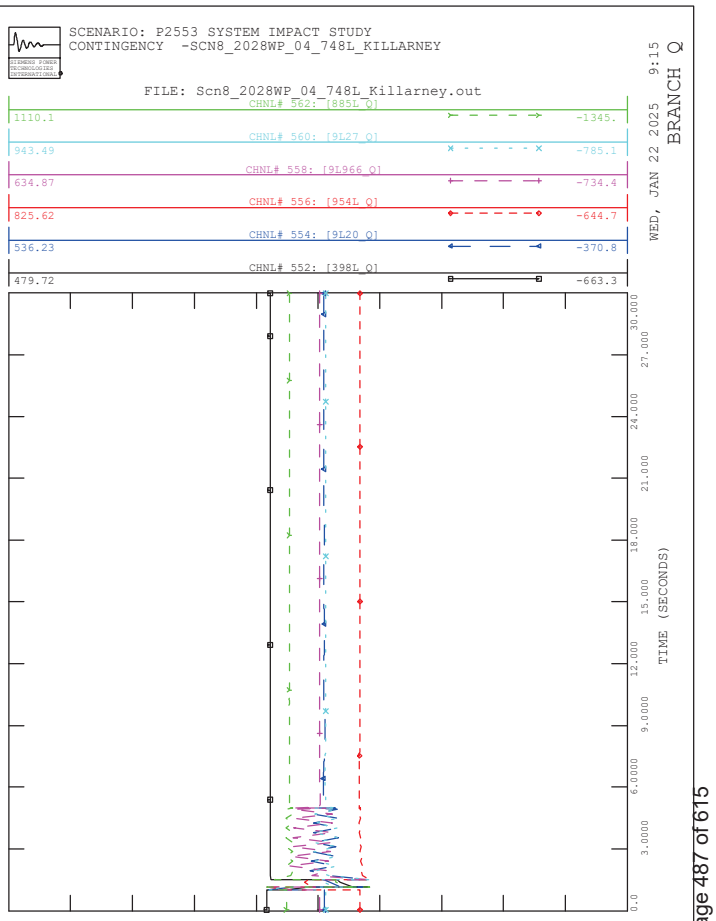
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_04_748L_KILLARNEY
FILE: Scn8_2028WP_04_748L_Killarney.out
CHNL# 562: [885L Q]
1110.1
-1345.
CHNL# 560: [9L27 Q]
943.49
-785.1
CHNL# 558: [9L966 Q]
634.87
-734.4
CHNL# 556: [954L Q]
825.62
-644.7
CHNL# 554: [9L20 Q]
536.23
-370.8
CHNL# 552: [398L Q]
479.72
-663.3
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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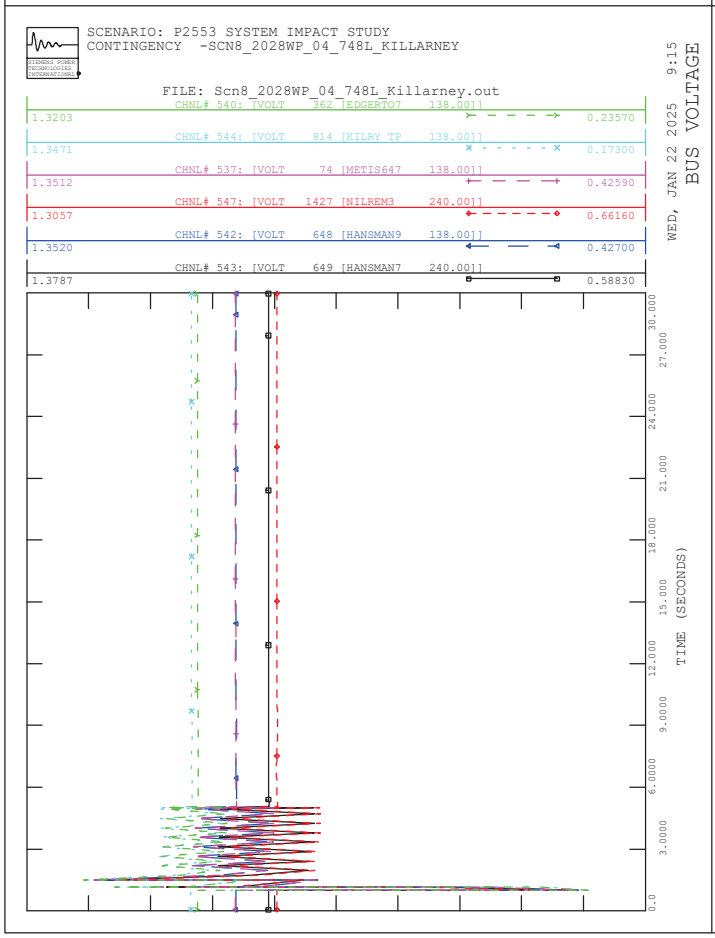
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CONTINGENCY -SCN8_2028WP_04_748L_KILLARNEY
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CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.3203
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CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.3471
0.17300
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.3512
0.42590
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.3057
0.66160
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.3520
0.42700
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.3787
0.58830
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
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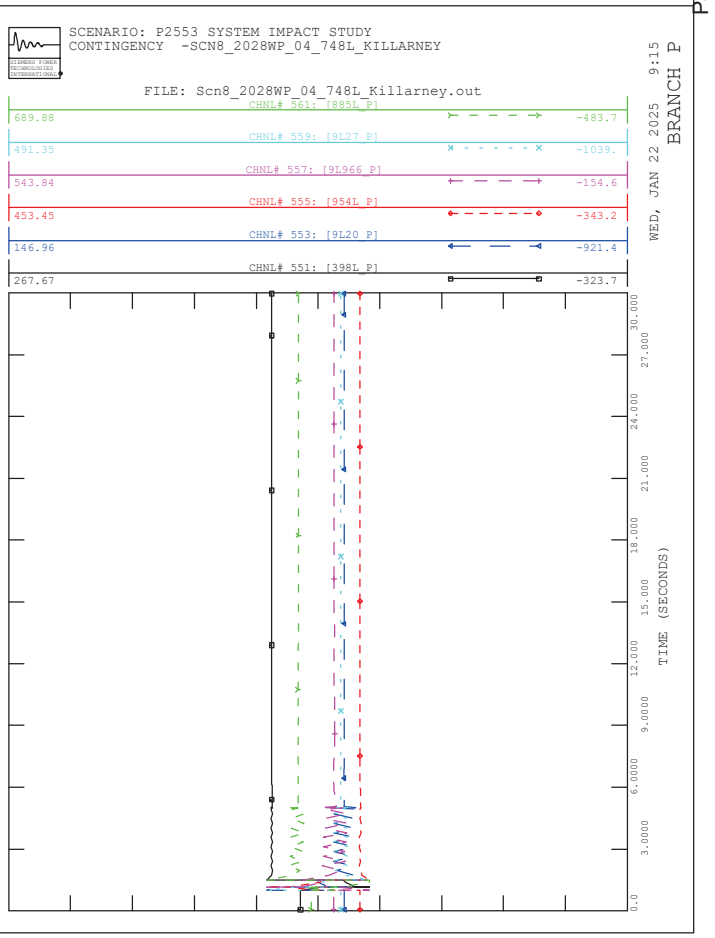
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CONTINGENCY -SCN8_2028WP_04_748L_KILLARNEY
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689.88
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CHNL# 559: [9L27 P]
491.35
-1039.
CHNL# 557: [9L966 P]
543.84
-154.6
CHNL# 555: [954L P]
453.45
-343.2
CHNL# 553: [9L20 P]
146.96
-921.4
CHNL# 551: [398L P]
267.67
-323.7
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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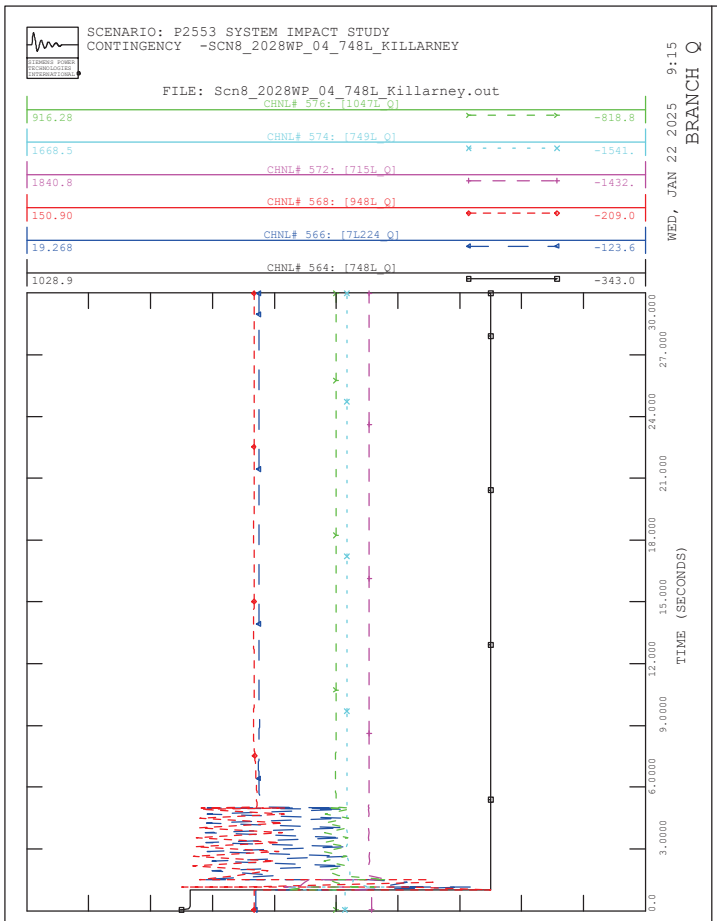
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FILE: Scn8_2028WP_04_748L_Killarney.out
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916.28
-818.8
CHNL# 574: [749L_Q]
1668.5
-1541.
CHNL# 572: [715L_Q]
1840.8
-1432.
CHNL# 568: [948L_Q]
150.90
-209.0
CHNL# 566: [7L224_Q]
19.268
-123.6
CHNL# 564: [748L_Q]
1028.9
-343.0
WED, JAN 22 2025 9:15
BRANCH Q
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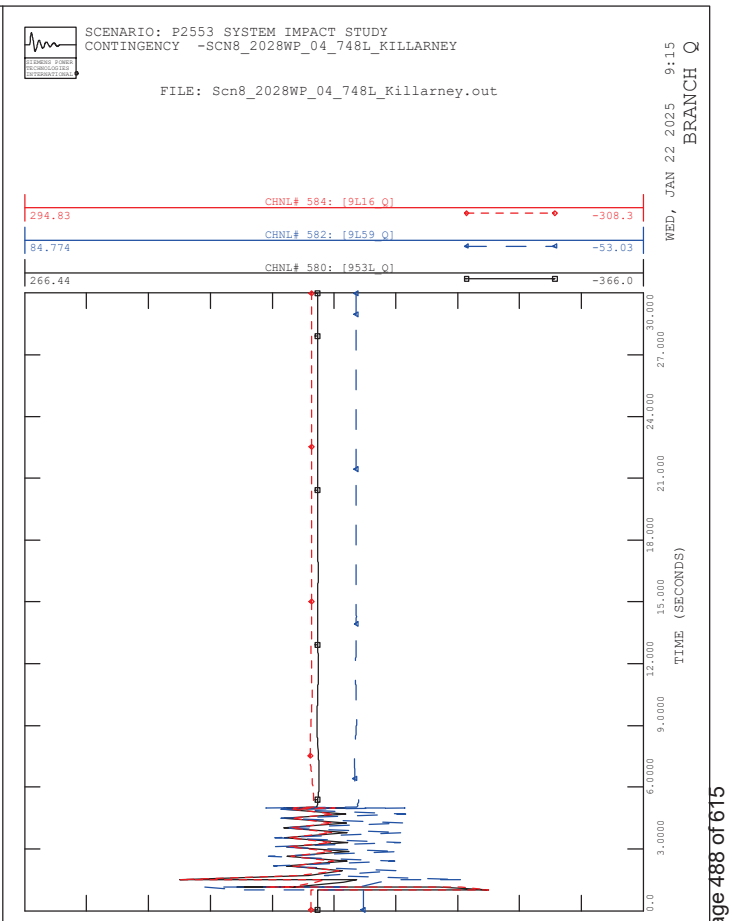
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CONTINGENCY -SCN8_2028WP_04_748L_KILLARNEY
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294.83
-308.3
CHNL# 582: [9L59_Q]
84.774
-53.03
CHNL# 580: [953L_Q]
266.44
-366.0
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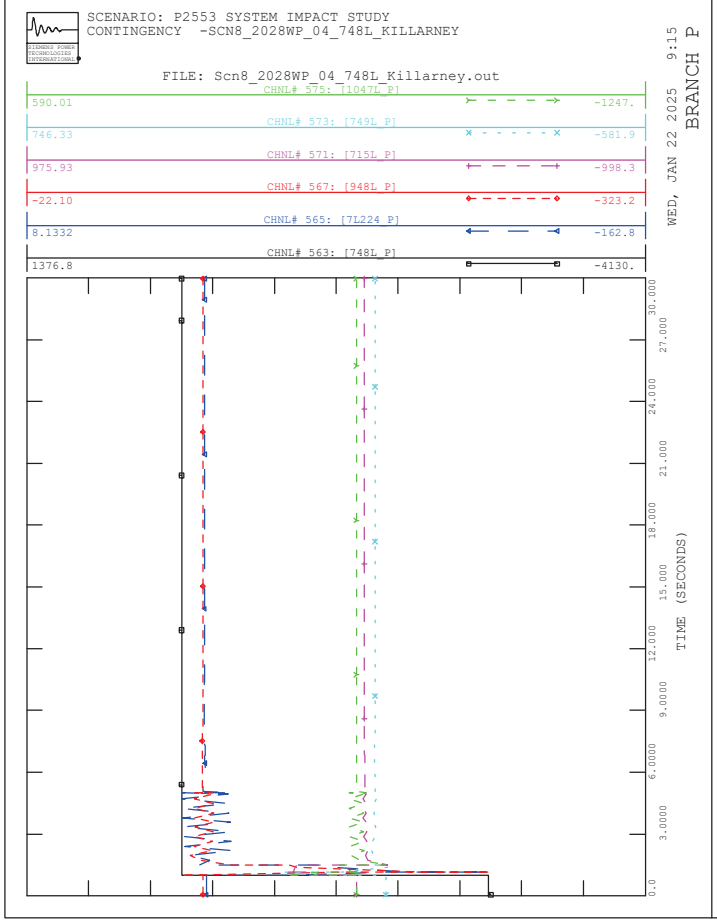
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FILE: Scn8_2028WP_04_748L_Killarney.out
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590.01
-1247.
CHNL# 573: [749L_P]
746.33
-581.9
CHNL# 571: [715L_P]
975.93
-998.3
CHNL# 567: [948L_P]
-22.10
-323.2
CHNL# 565: [7L224_P]
8.1332
-162.8
CHNL# 563: [748L_P]
1376.8
-4130.
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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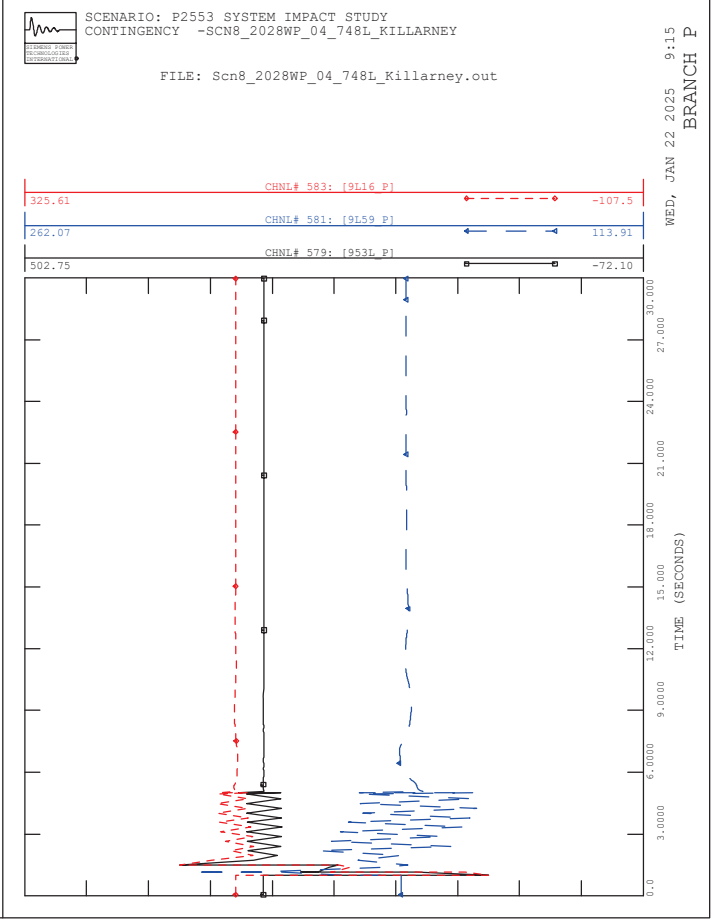
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CONTINGENCY -SCN8_2028WP_04_748L_KILLARNEY
FILE: Scn8_2028WP_04_748L_Killarney.out
CHNL# 583: [9L16_P]
325.61
-107.5
CHNL# 581: [9L59_P]
262.07
113.91
CHNL# 579: [953L_P]
502.75
-72.10
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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12.000
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18.000
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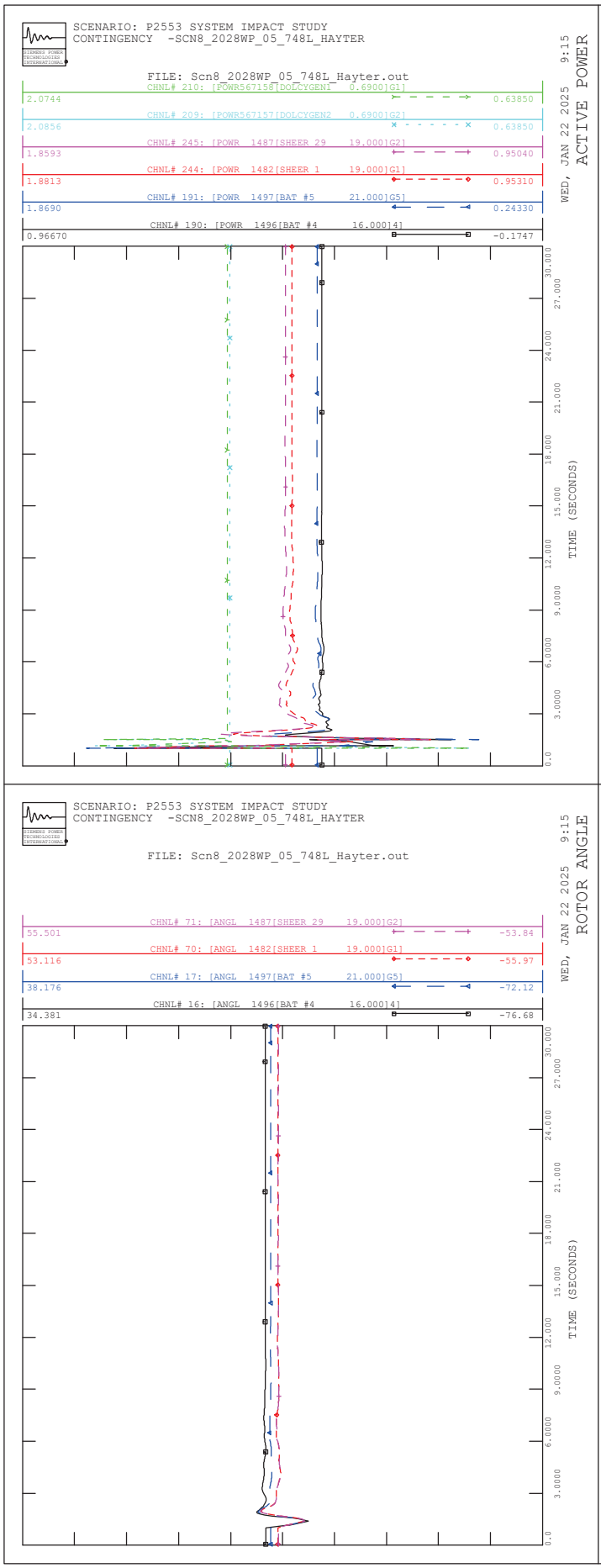
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_05_748L_HAYTER
FILE: Scn8_2028WP_05_748L_Hayter.out
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2.0744
0.63850
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.0856
0.63850
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.8593
0.95040
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.8813
0.95310
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.8690
0.24330
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.96670
-0.1747
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
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6.0000
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18.000
21.000
24.000
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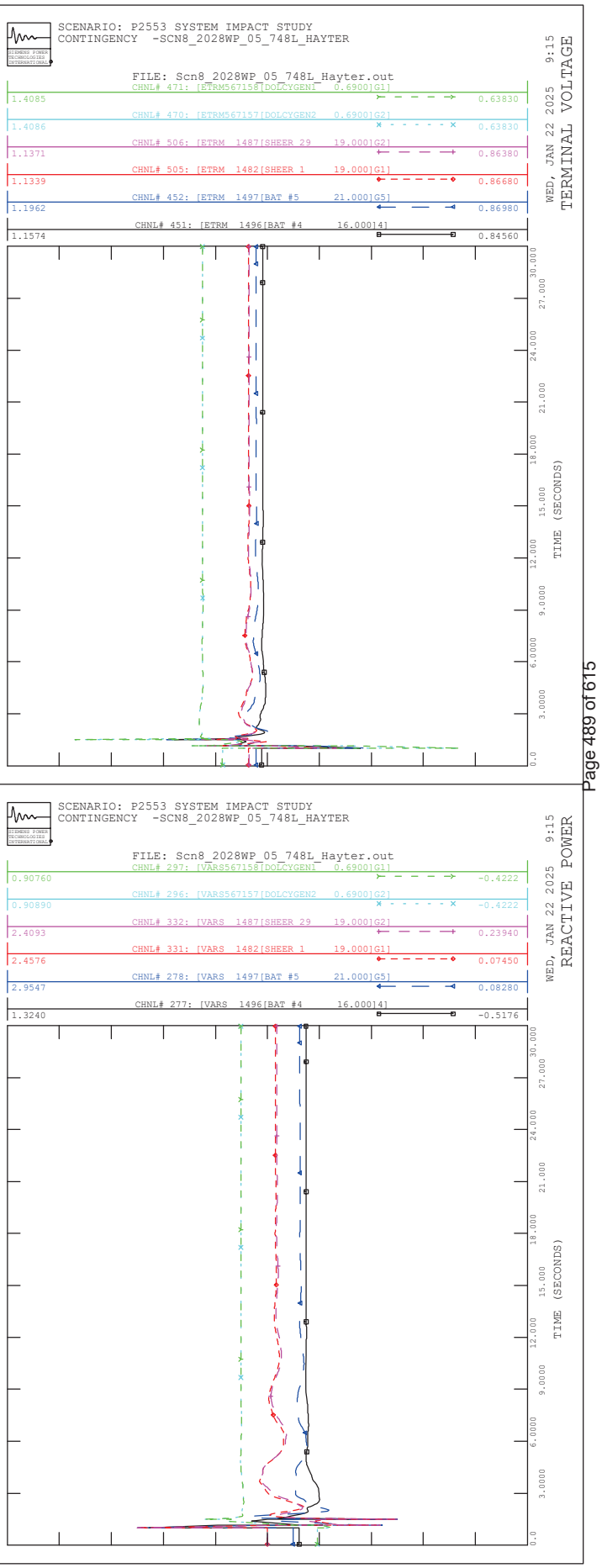
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_05_748L_HAYTER
FILE: Scn8_2028WP_05_748L_Hayter.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.4085
0.63830
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.4086
0.63830
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1371
0.86380
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1339
0.86680
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1962
0.86980
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1574
0.84560
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
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3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_05_748L_HAYTER
FILE: Scn8_2028WP_05_748L_Hayter.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
55.501
-53.84
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
53.116
-55.97
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
38.176
-72.12
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
34.381
-76.68
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_05_748L_HAYTER
FILE: Scn8_2028WP_05_748L_Hayter.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
0.90760
-0.4222
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
0.90890
-0.4222
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
2.4093
0.23940
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
2.4576
0.07450
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
2.9547
0.08280
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
1.3240
-0.5176
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
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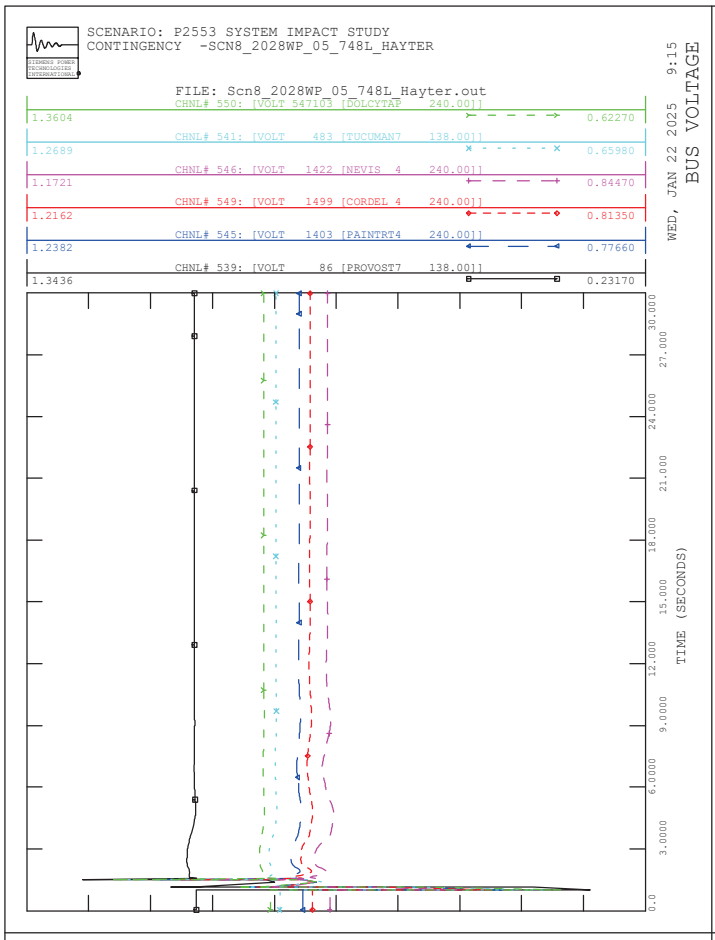
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CONTINGENCY -SCN8_2028WP_05_748L_HAYTER
FILE: Scn8_2028WP_05_748L_Hayter.out
CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.3604
0.62270
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.2689
0.65980
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.1721
0.84470
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2162
0.81350
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.2382
0.77660
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.3436
0.23170
WED, JAN 22 2025 9:15
BUS VOLTAGE
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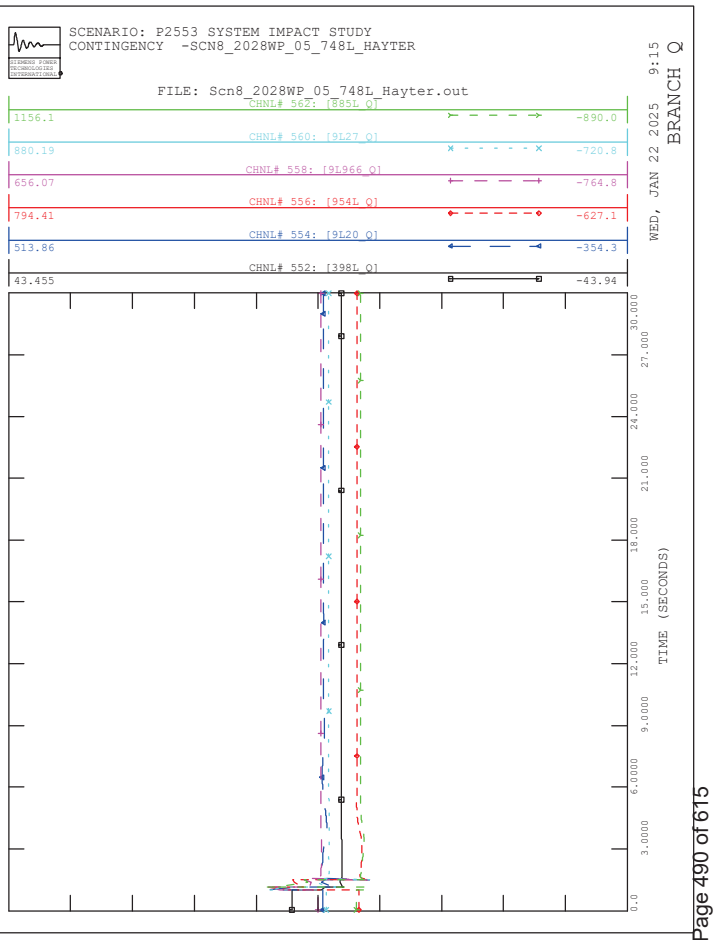
SCENARIO: P2553 SYSTEM IMPACT STUDY
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FILE: Scn8_2028WP_05_748L_Hayter.out
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1156.1
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CHNL# 560: [9L27 Q]
880.19
-720.8
CHNL# 558: [9L966 Q]
656.07
-764.8
CHNL# 556: [954L Q]
794.41
-627.1
CHNL# 554: [9L20 Q]
513.86
-354.3
CHNL# 552: [398L Q]
43.455
-43.94
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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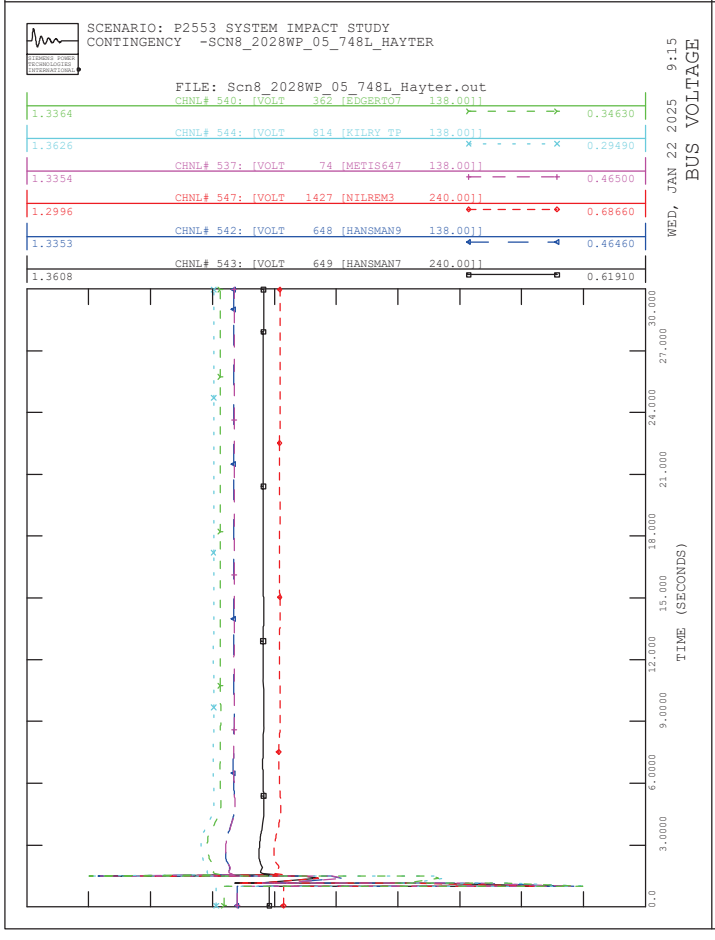
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_05_748L_HAYTER
FILE: Scn8_2028WP_05_748L_Hayter.out
CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.3364
0.34630
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.3626
0.29490
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.3354
0.46500
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.2996
0.68660
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.3353
0.46460
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.3608
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WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
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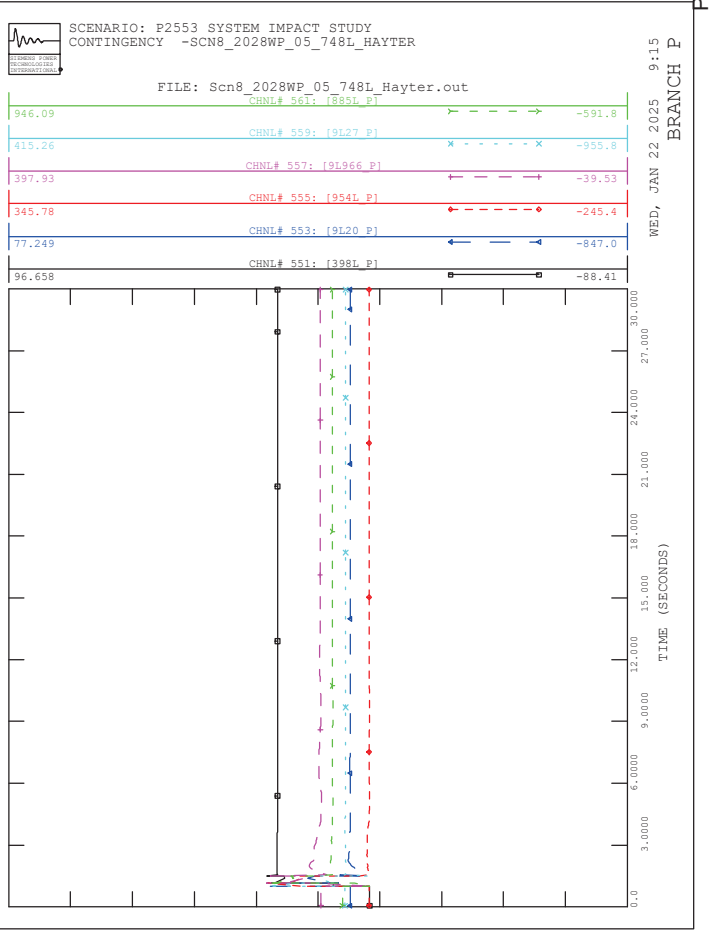
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CONTINGENCY -SCN8_2028WP_05_748L_HAYTER
FILE: Scn8_2028WP_05_748L_Hayter.out
CHNL# 561: [885L P]
946.09
-591.8
CHNL# 559: [9L27 P]
415.26
-955.8
CHNL# 557: [9L966 P]
397.93
-39.53
CHNL# 555: [954L P]
345.78
-245.4
CHNL# 553: [9L20 P]
77.249
-847.0
CHNL# 551: [398L P]
96.658
-88.41
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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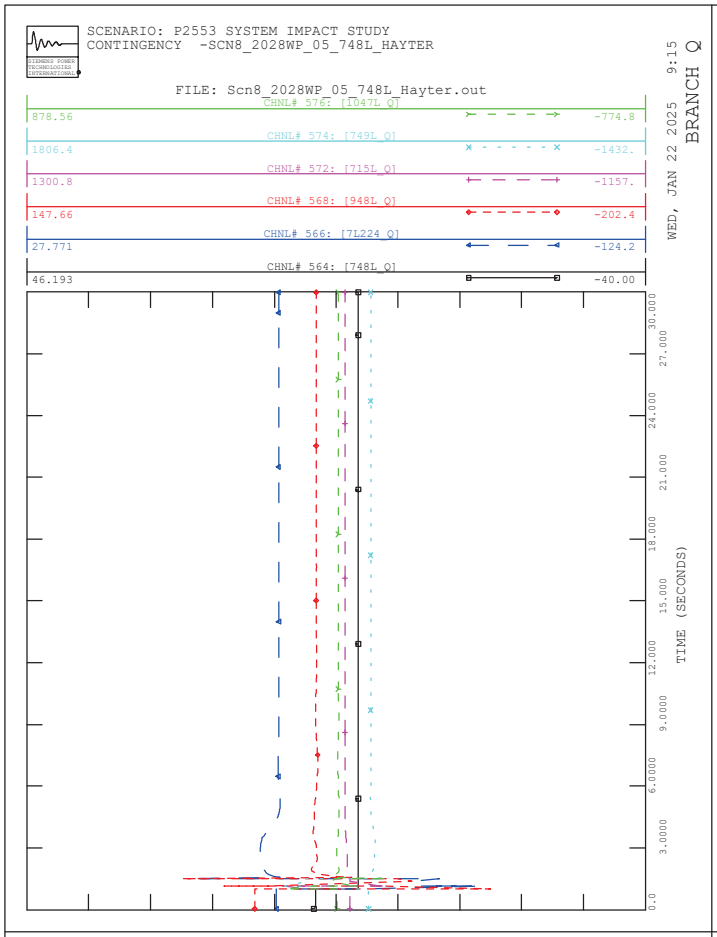
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CONTINGENCY -SCN8_2028WP_05_748L_HAYTER
FILE: Scn8_2028WP_05_748L_Hayter.out
CHNL# 576: [I047L Q]
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CHNL# 574: [749L Q]
1806.4
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CHNL# 572: [715L Q]
1300.8
-1157.
CHNL# 568: [948L Q]
147.66
-202.4
CHNL# 566: [7L224 Q]
27.771
-124.2
CHNL# 564: [748L Q]
46.193
-40.00
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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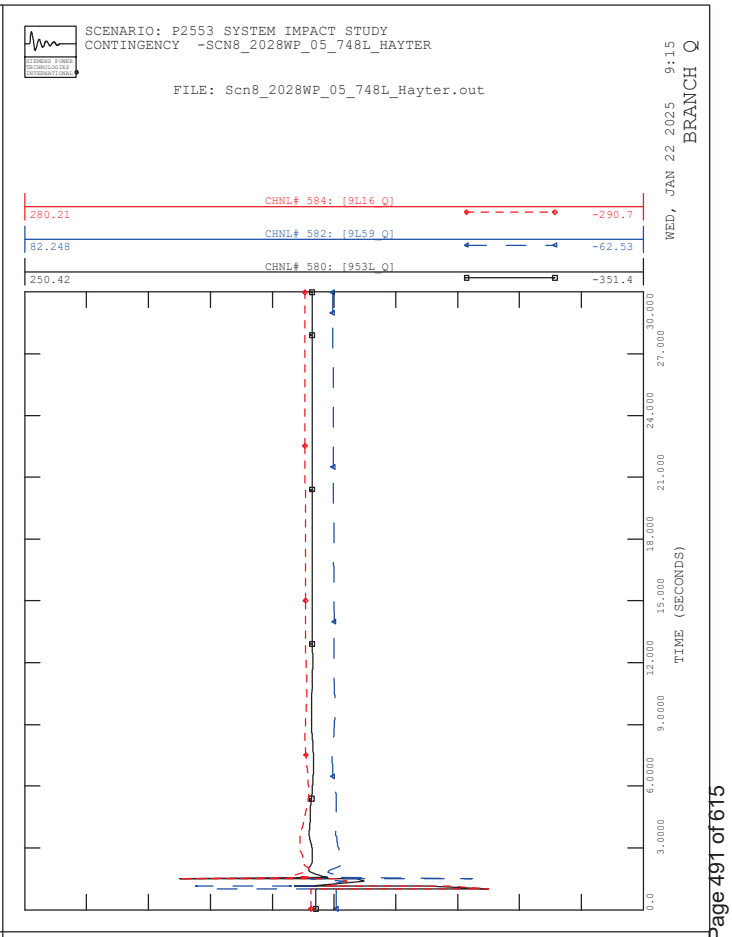
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CONTINGENCY -SCN8_2028WP_05_748L_HAYTER
FILE: Scn8_2028WP_05_748L_Hayter.out
CHNL# 584: [9L16 Q]
280.21
-290.7
CHNL# 582: [9L59 Q]
82.248
-62.53
CHNL# 580: [953L Q]
250.42
-351.4
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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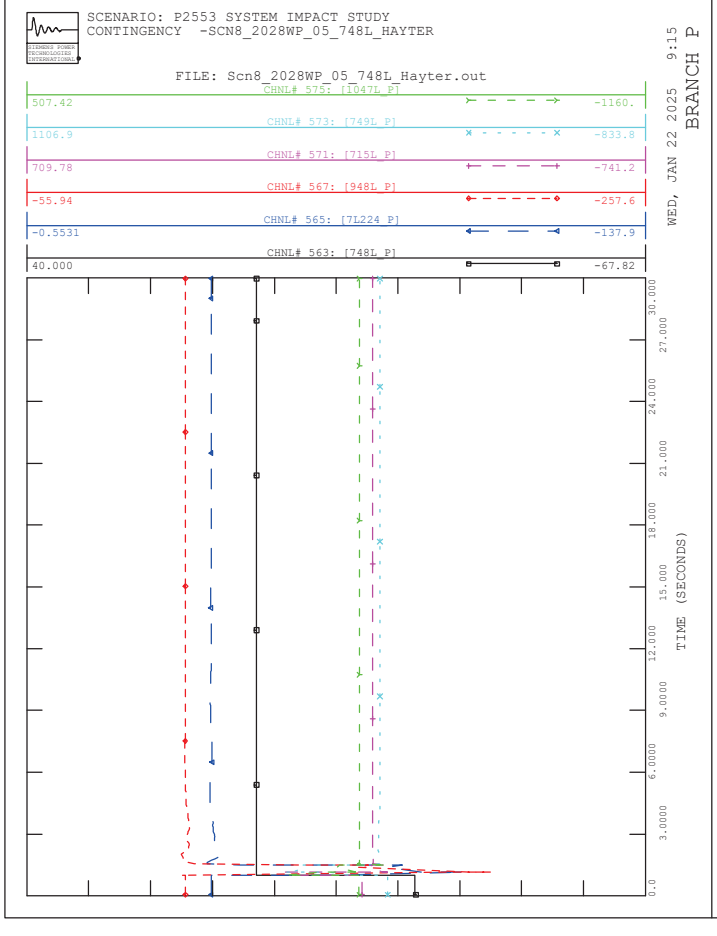
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_05_748L_HAYTER
FILE: Scn8_2028WP_05_748L_Hayter.out
CHNL# 575: [I047L P]
507.42
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CHNL# 573: [749L P]
1106.9
-833.8
CHNL# 571: [715L P]
709.78
-741.2
CHNL# 567: [948L P]
-55.94
-257.6
CHNL# 565: [7L224 P]
-0.5531
-137.9
CHNL# 563: [748L P]
40.000
-67.82
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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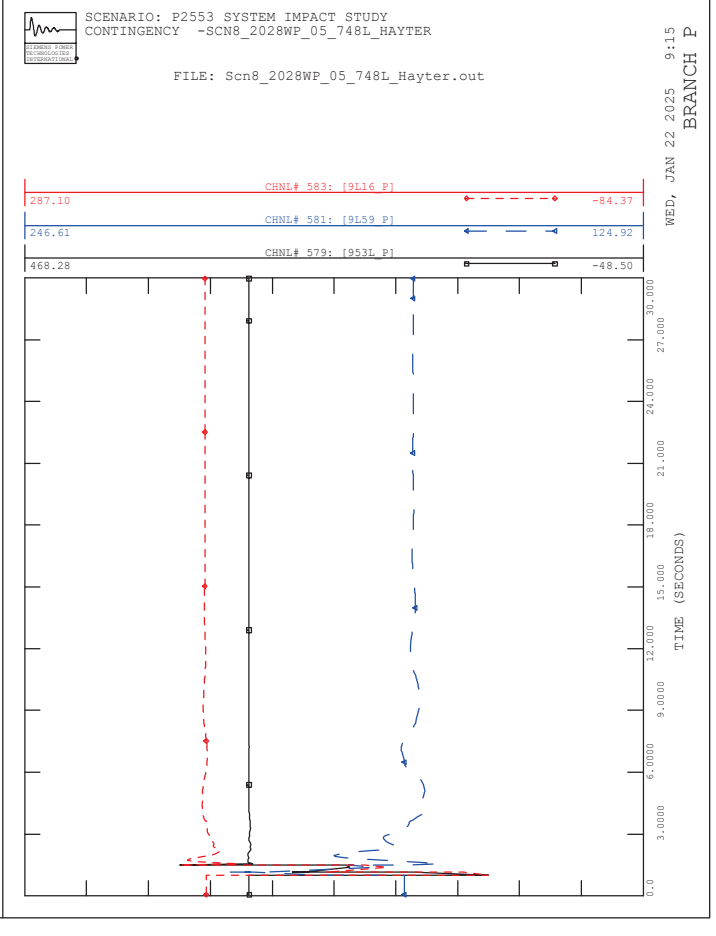
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_05_748L_HAYTER
FILE: Scn8_2028WP_05_748L_Hayter.out
CHNL# 583: [9L16 P]
287.10
-84.37
CHNL# 581: [9L59 P]
246.61
124.92
CHNL# 579: [953L P]
468.28
-48.50
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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6.0000
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18.000
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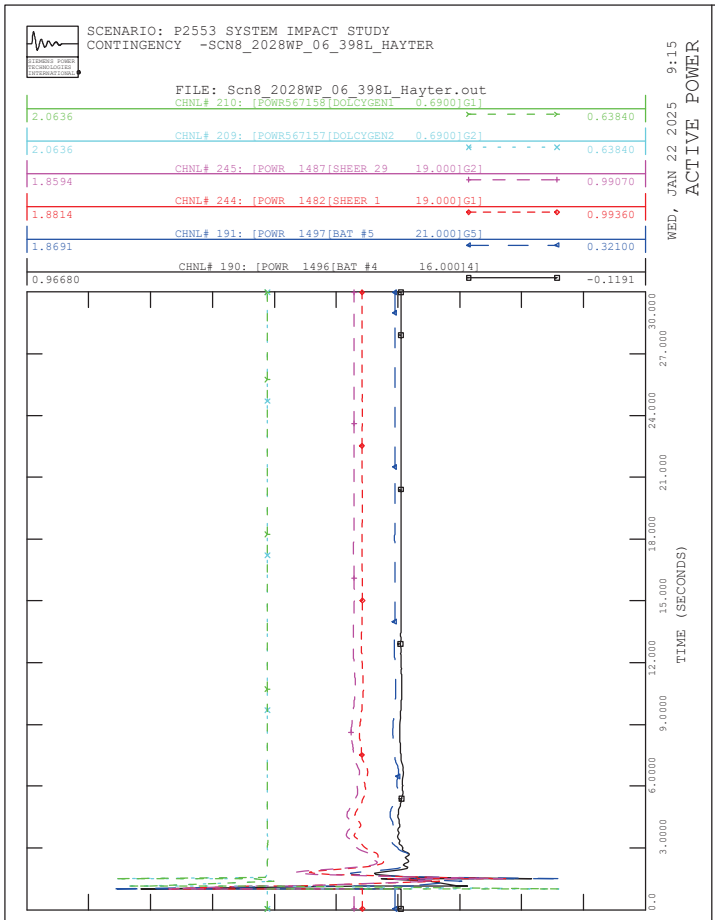
SCENARIO: P2553 SYSTEM IMPACT STUDY
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FILE: Scn8_2028WP_06_398L_Hayter.out
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0.63840
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.0636
0.63840
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.8594
0.99070
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.8814
0.99360
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.8691
0.32100
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.96680
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3.0000
6.0000
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27.000
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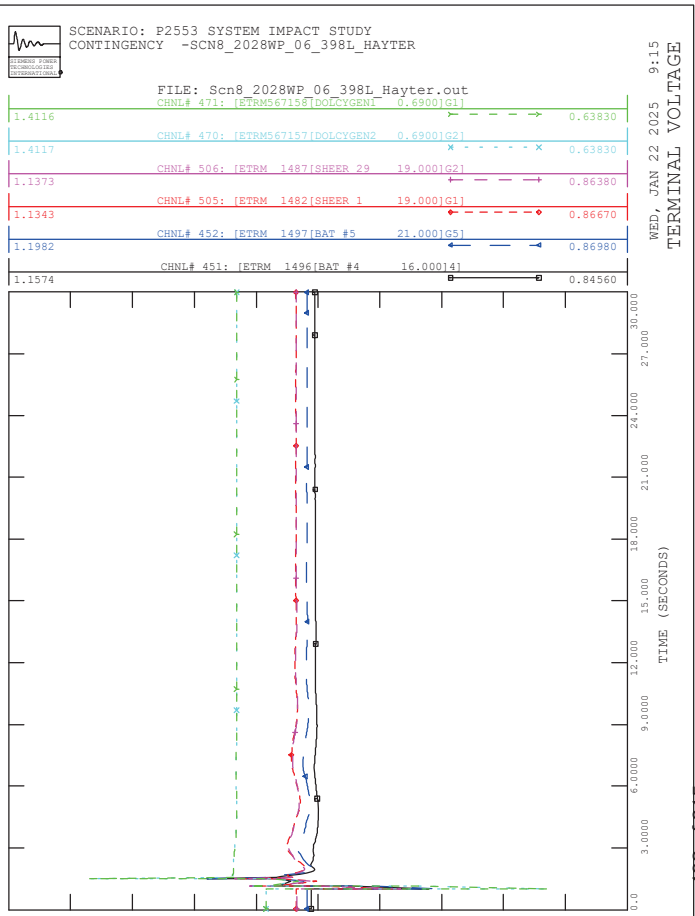
TIME (SECONDS)
WED, JAN 22 2025 9:15
ACTIVE POWER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CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.4117
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CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1373
0.86380
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1343
0.86670
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1982
0.86980
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
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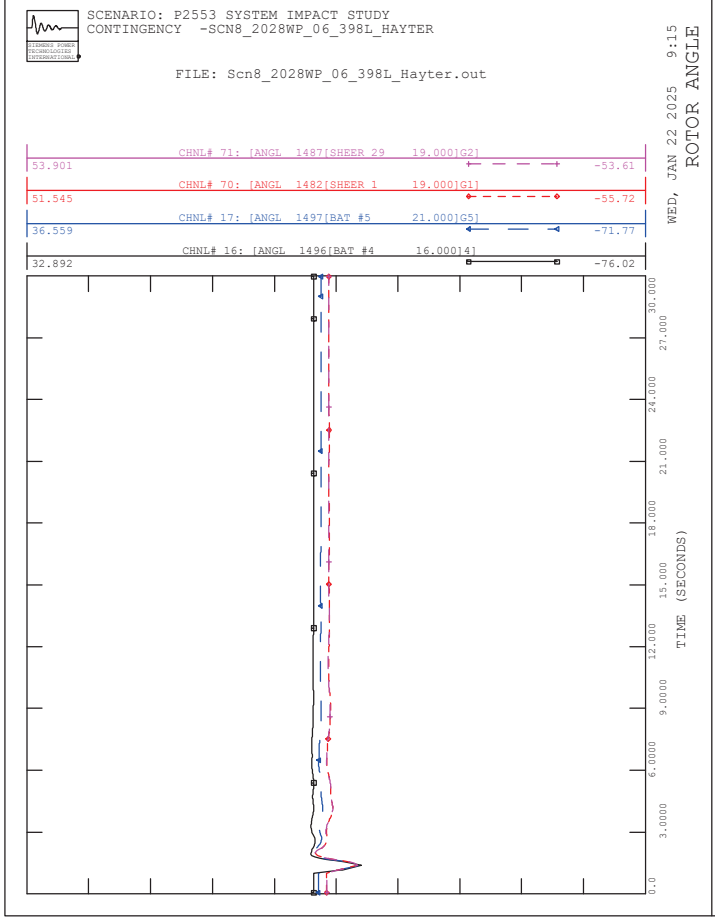
TIME (SECONDS)
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE


SCENARIO: P2553 SYSTEM IMPACT STUDY
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CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
53.901
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CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
51.545
-55.72
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
36.559
-71.77
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
32.892
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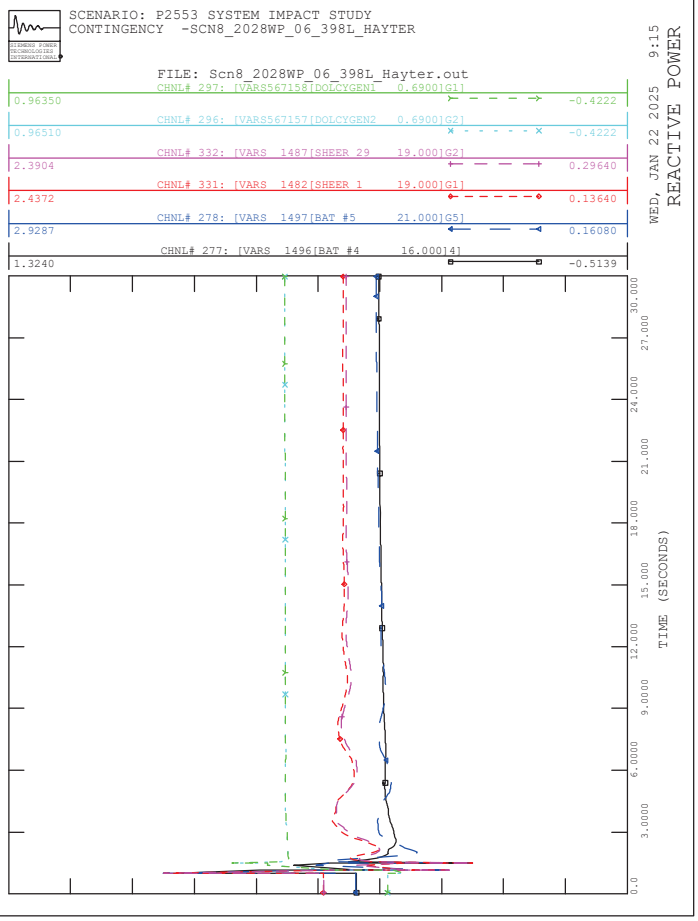
ROTOR ANGLE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CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
0.96510
-0.4222
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
2.3904
0.29640
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
2.4372
0.13640
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
2.9287
0.16080
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
1.3240
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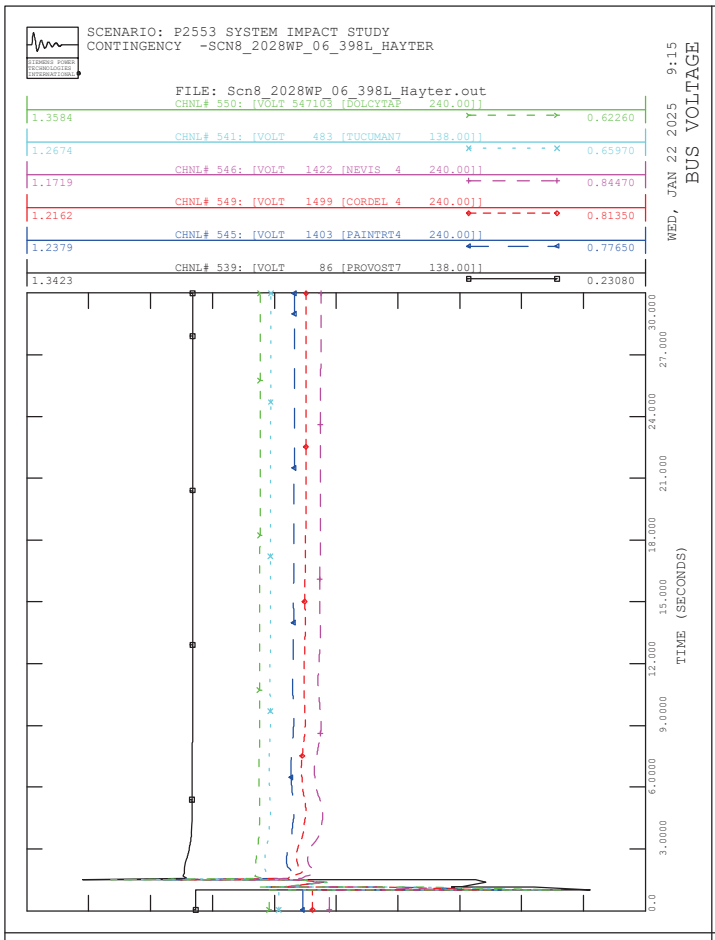
WED, JAN 22 2025 9:15
REACTIVE POWER


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_06_398L_HAYTER
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CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.3584
0.62260
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.2674
0.65970
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.1719
0.84470
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2162
0.81350
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
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0.77650
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
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0.23080
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BUS VOLTAGE
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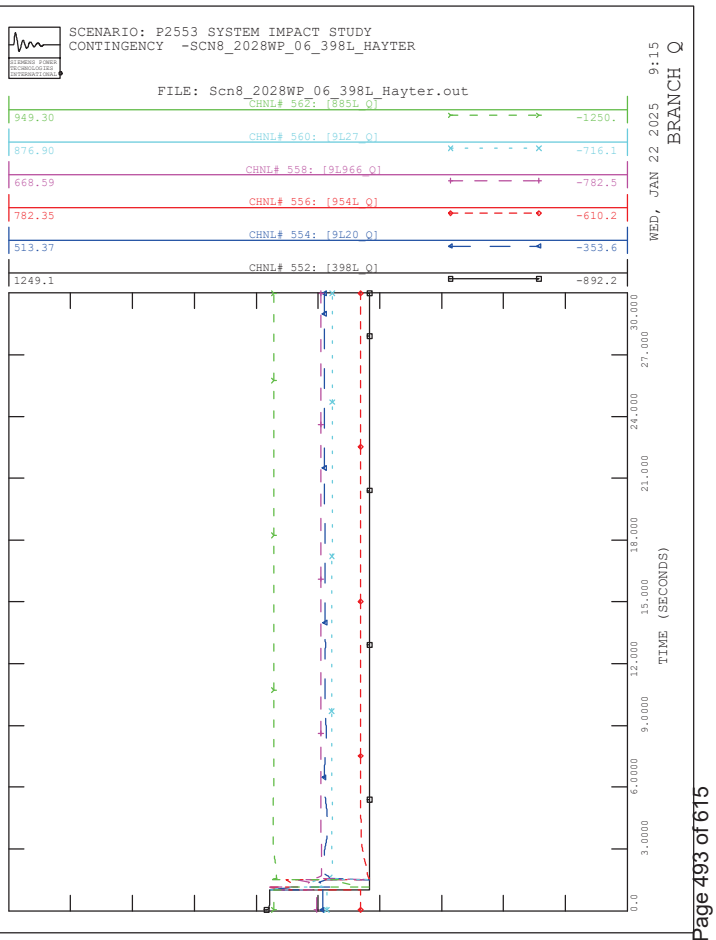
SCENARIO: P2553 SYSTEM IMPACT STUDY
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FILE: Scn8_2028WP_06_398L_Hayter.out
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-1250.
CHNL# 560: [9L27 Q]
876.90
-716.1
CHNL# 558: [9L966 Q]
668.59
-782.5
CHNL# 556: [954L Q]
782.35
-610.2
CHNL# 554: [9L20 Q]
513.37
-353.6
CHNL# 552: [398L Q]
1249.1
-892.2
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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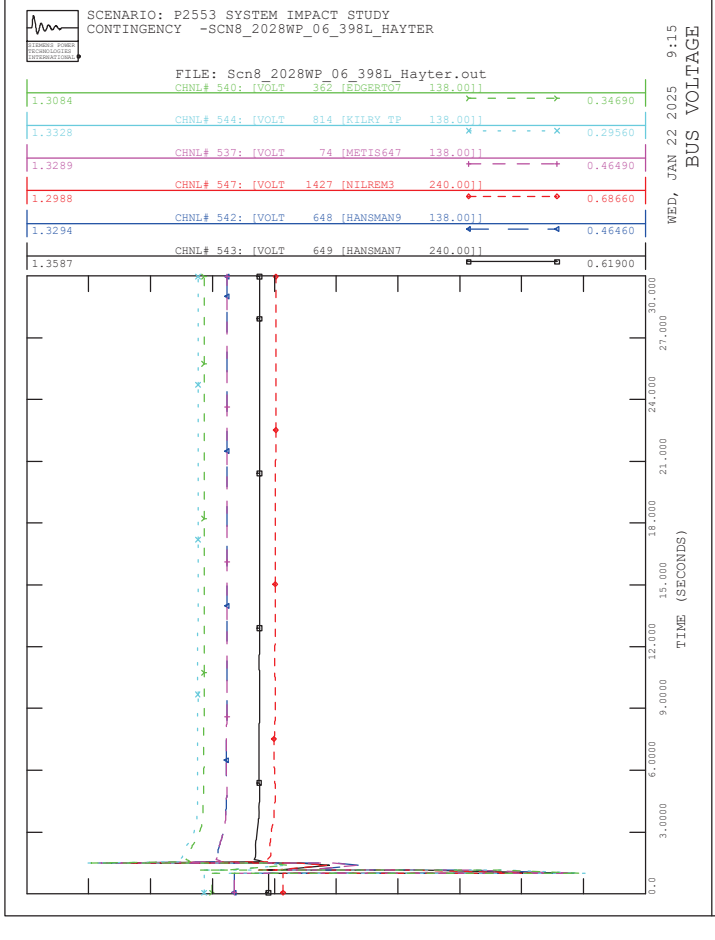
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_06_398L_HAYTER
FILE: Scn8_2028WP_06_398L_Hayter.out
CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.3084
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CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.3328
0.29560
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.3289
0.46490
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.2988
0.68660
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.3294
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CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.3587
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BUS VOLTAGE
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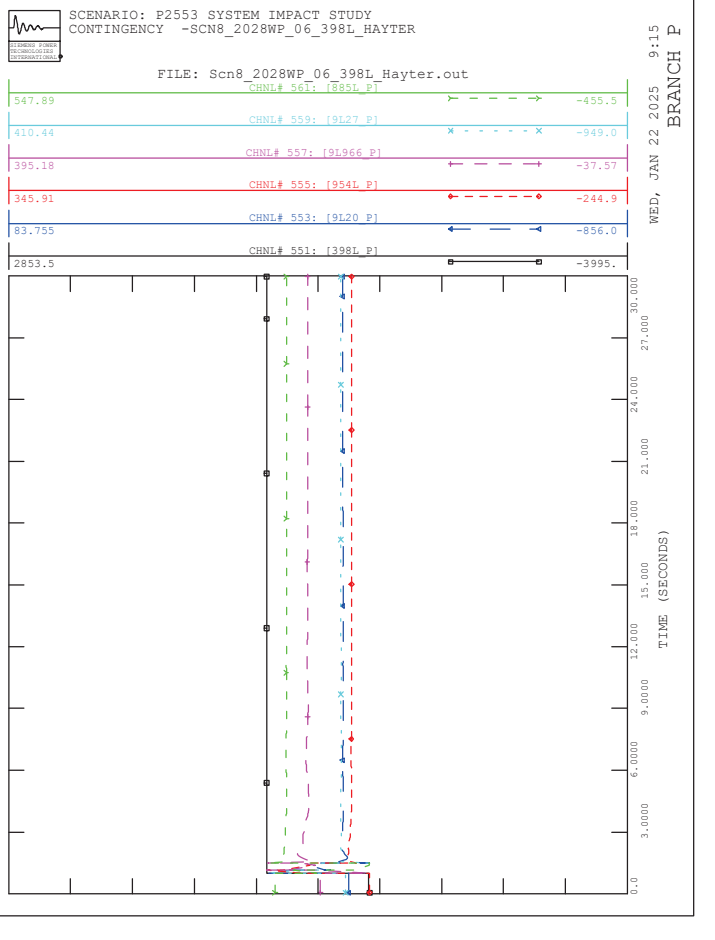
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_06_398L_HAYTER
FILE: Scn8_2028WP_06_398L_Hayter.out
CHNL# 561: [885L P]
547.89
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CHNL# 559: [9L27 P]
410.44
-949.0
CHNL# 557: [9L966 P]
395.18
-37.57
CHNL# 555: [954L P]
345.91
-244.9
CHNL# 553: [9L20 P]
83.755
-856.0
CHNL# 551: [398L P]
2853.5
-3995.
WED, JAN 22 2025 9:15
BRANCH P
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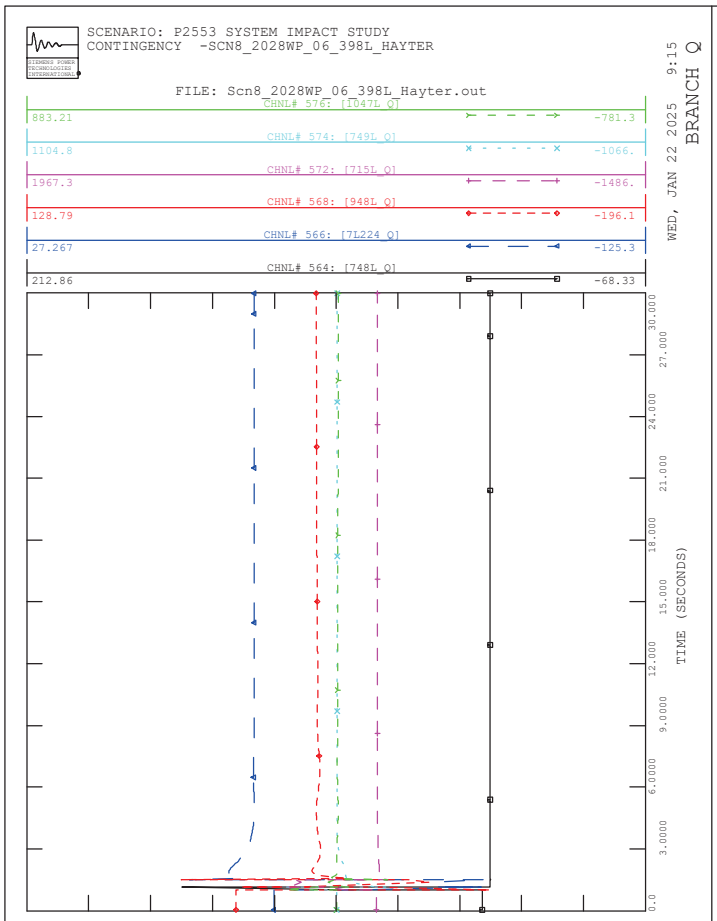
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CONTINGENCY -SCN8_2028WP_06_398L_HAYTER
FILE: Scn8_2028WP_06_398L_Hayter.out
CHNL# 576: [I047L Q]
883.21
-781.3
CHNL# 574: [749L Q]
1104.8
-1066.
CHNL# 572: [715L Q]
1967.3
-1486.
CHNL# 568: [948L Q]
128.79
-196.1
CHNL# 566: [7L224 Q]
27.267
-125.3
CHNL# 564: [748L Q]
212.86
-68.33
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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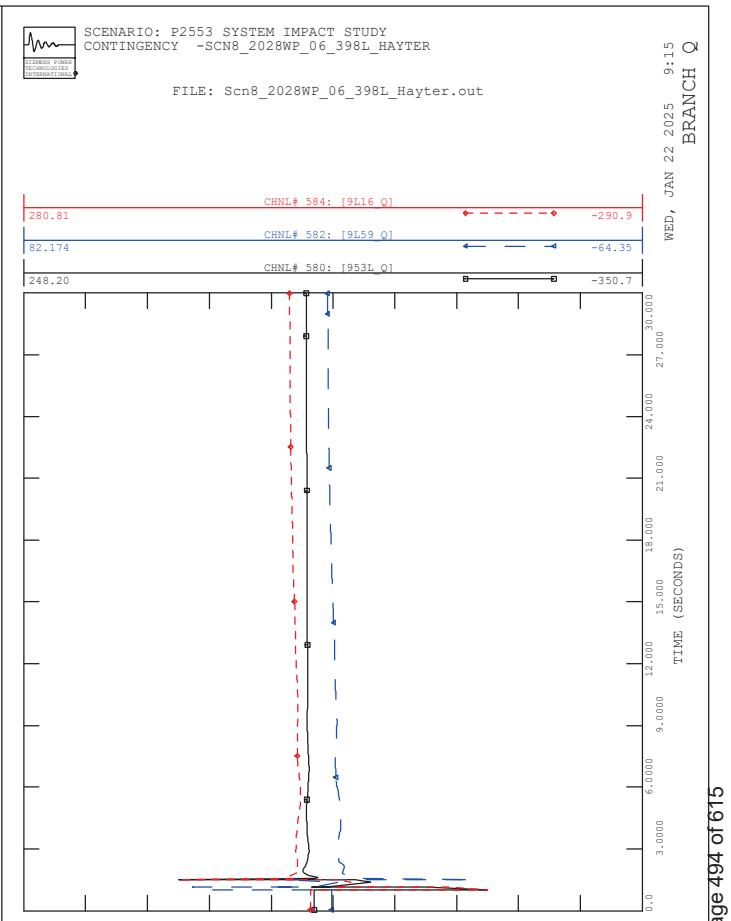
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CONTINGENCY -SCN8_2028WP_06_398L_HAYTER
FILE: Scn8_2028WP_06_398L_Hayter.out
CHNL# 584: [9L16 Q]
280.81
-290.9
CHNL# 582: [9L59 Q]
82.174
-64.35
CHNL# 580: [953L Q]
248.20
-350.7
WED, JAN 22 2025 9:15
BRANCH Q
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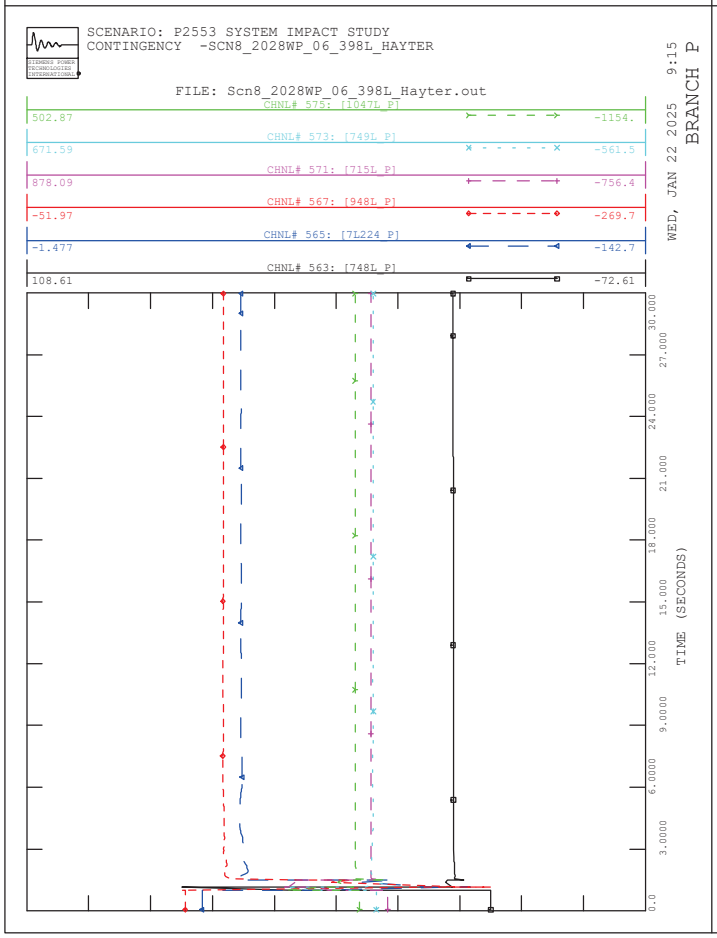
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CONTINGENCY -SCN8_2028WP_06_398L_HAYTER
FILE: Scn8_2028WP_06_398L_Hayter.out
CHNL# 575: [I047L P]
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CHNL# 573: [749L P]
671.59
-561.5
CHNL# 571: [715L P]
878.09
-756.4
CHNL# 567: [948L P]
-51.97
-269.7
CHNL# 565: [7L224 P]
-1.477
-142.7
CHNL# 563: [748L P]
108.61
-72.61
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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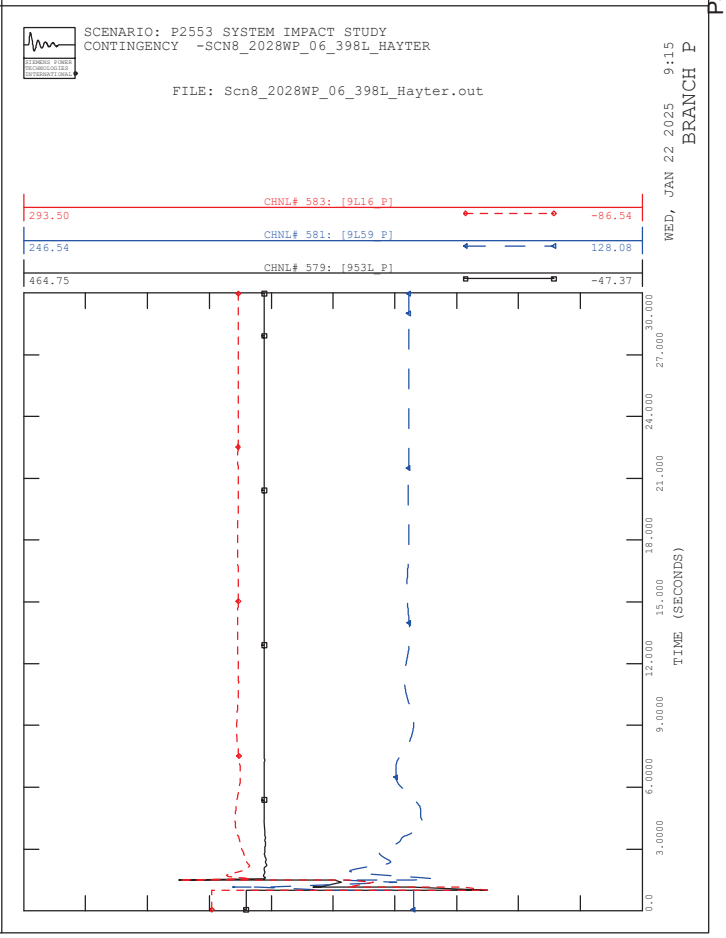
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_06_398L_HAYTER
FILE: Scn8_2028WP_06_398L_Hayter.out
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293.50
-86.54
CHNL# 581: [9L59 P]
246.54
128.08
CHNL# 579: [953L P]
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-47.37
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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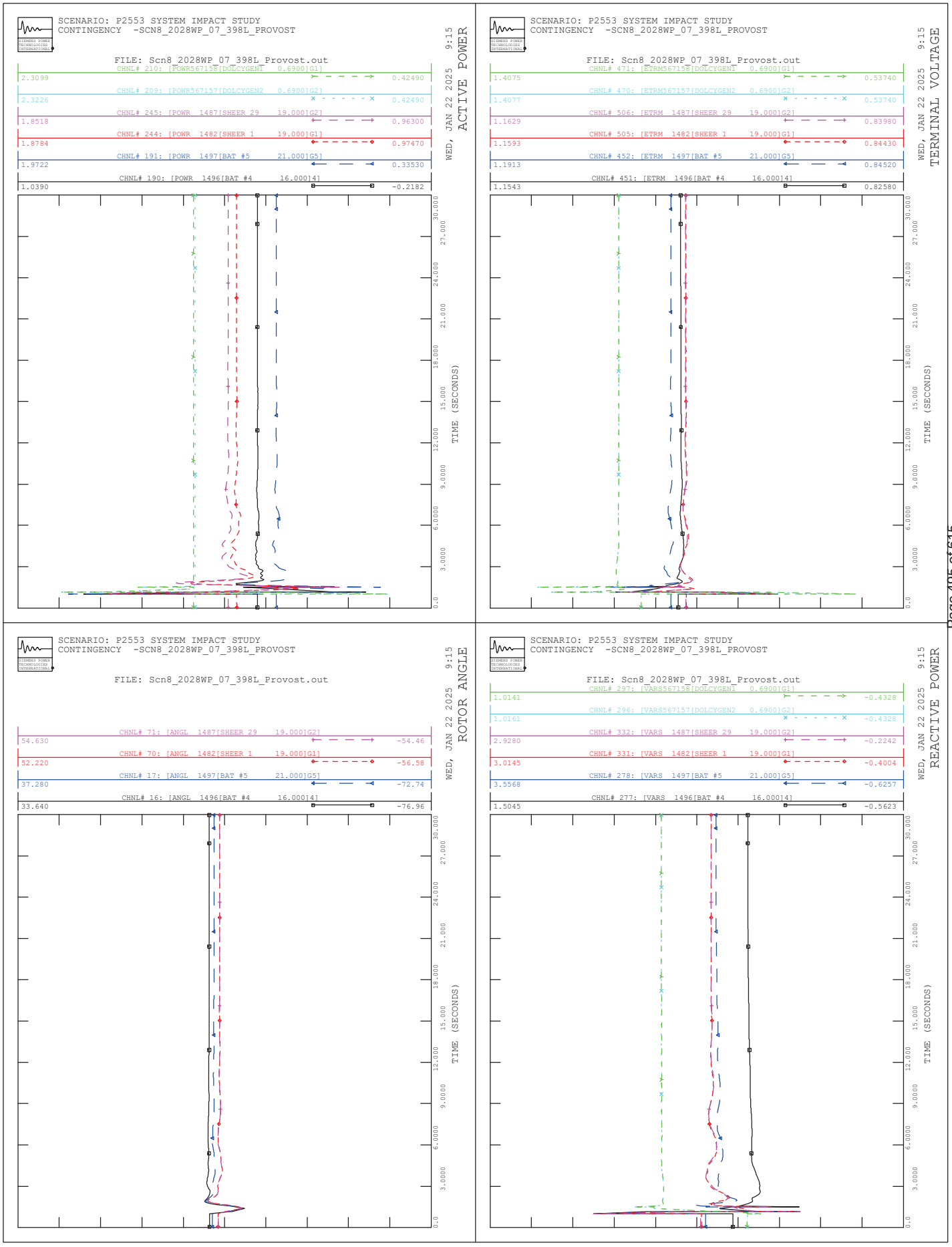
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CONTINGENCY -SCN8_2028WP_07_398L_PROVOST
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2.3099
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CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.3226
0.42490
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.8518
0.96300
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.8784
0.97470
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.9722
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CHNL# 190: [POWR 1496[BAT #4 16.000]4]
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WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_07_398L_PROVOST
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CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
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CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1629
0.83980
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1593
0.84430
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1913
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CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
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WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_07_398L_PROVOST
FILE: Scn8_2028WP_07_398L_Provost.out
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CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
52.220
-56.58
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
37.280
-72.74
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
33.640
-76.96
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
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3.0000
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12.000
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_07_398L_PROVOST
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CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
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-0.4328
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
2.9280
-0.2242
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
3.0145
-0.4004
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
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CHNL# 277: [VARS 1496[BAT #4 16.000]4]
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WED, JAN 22 2025 9:15
REACTIVE POWER
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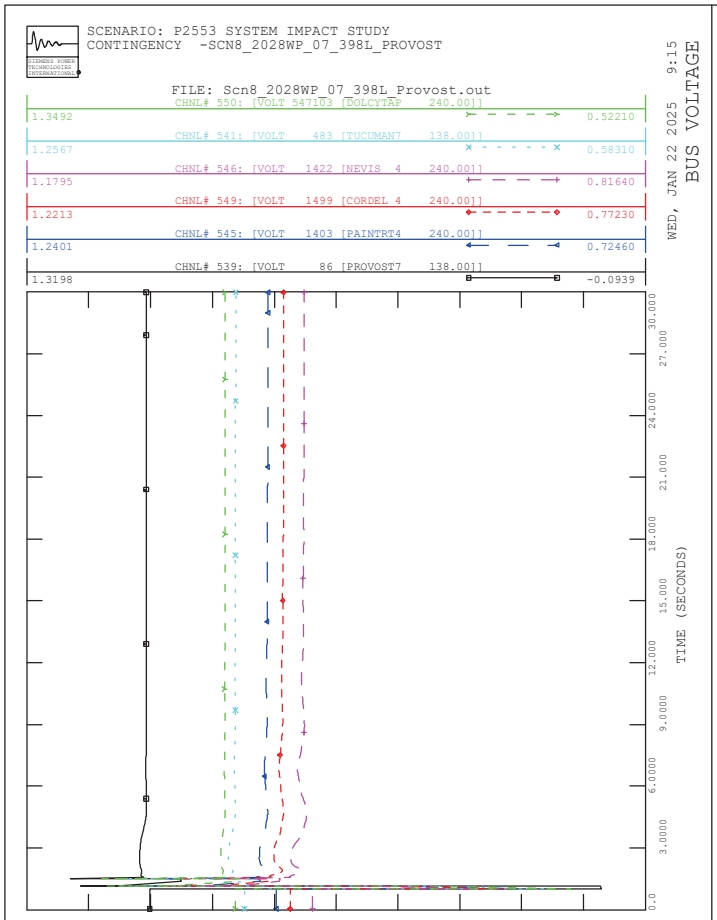
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_07_398L_PROVOST
FILE: Scn8_2028WP_07_398L_Provost.out
CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.3492
0.52210
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.2567
0.58310
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.1795
0.81640
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2213
0.77230
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.2401
0.72460
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
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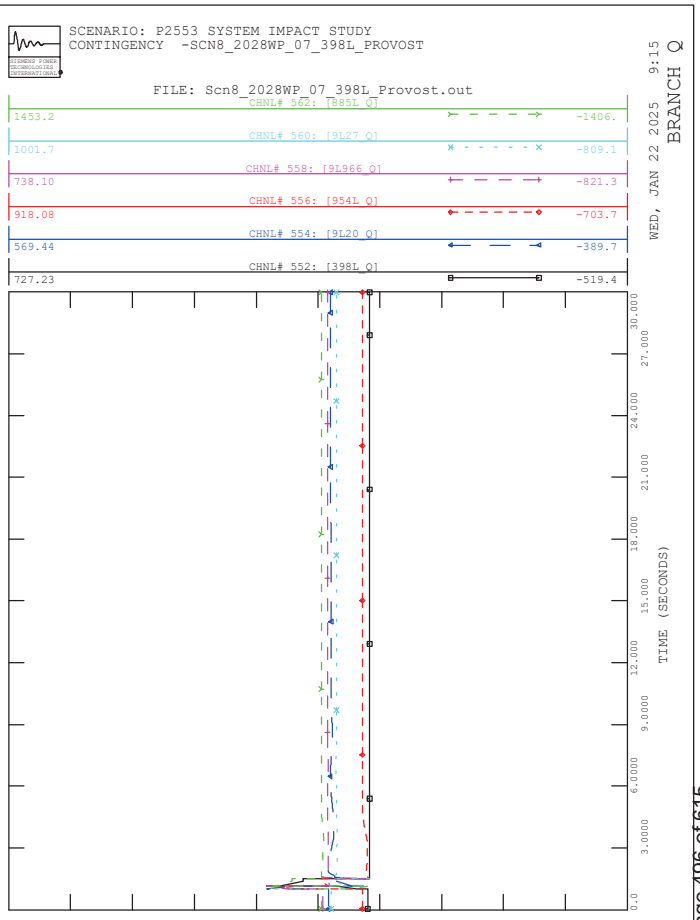
TIME (SECONDS)
WED, JAN 22 2025 9:15
BUS VOLTAGE


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_07_398L_PROVOST
FILE: Scn8_2028WP_07_398L_Provost.out
CHNL# 562: [885L Q]
1453.2
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CHNL# 560: [9L27 Q]
1001.7
-809.1
CHNL# 558: [9L966 Q]
738.10
-821.3
CHNL# 556: [954L Q]
918.08
-703.7
CHNL# 554: [9L20 Q]
569.44
-389.7
CHNL# 552: [398L Q]
727.23
-519.4
0.0
3.0000
6.0000
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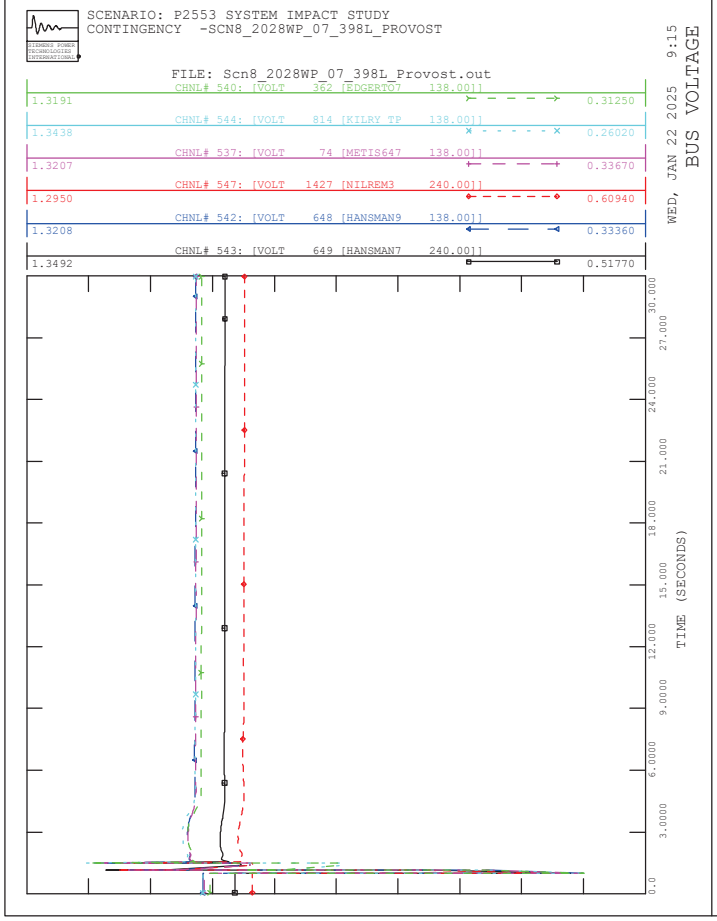
TIME (SECONDS)
WED, JAN 22 2025 9:15
BRANCH Q


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_07_398L_PROVOST
FILE: Scn8_2028WP_07_398L_Provost.out
CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.3191
0.31250
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.3438
0.26020
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.3207
0.33670
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.2950
0.60940
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.3208
0.33360
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
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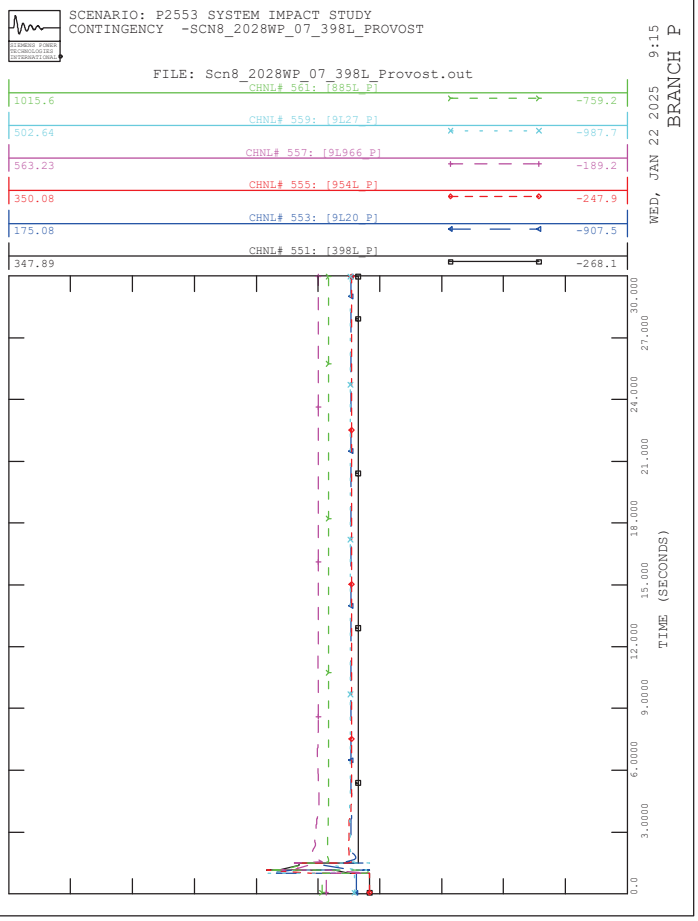
TIME (SECONDS)
WED, JAN 22 2025 9:15
BUS VOLTAGE


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_07_398L_PROVOST
FILE: Scn8_2028WP_07_398L_Provost.out
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CHNL# 559: [9L27 P]
502.64
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CHNL# 557: [9L966 P]
563.23
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CHNL# 555: [954L P]
350.08
-247.9
CHNL# 553: [9L20 P]
175.08
-907.5
CHNL# 551: [398L P]
347.89
-268.1
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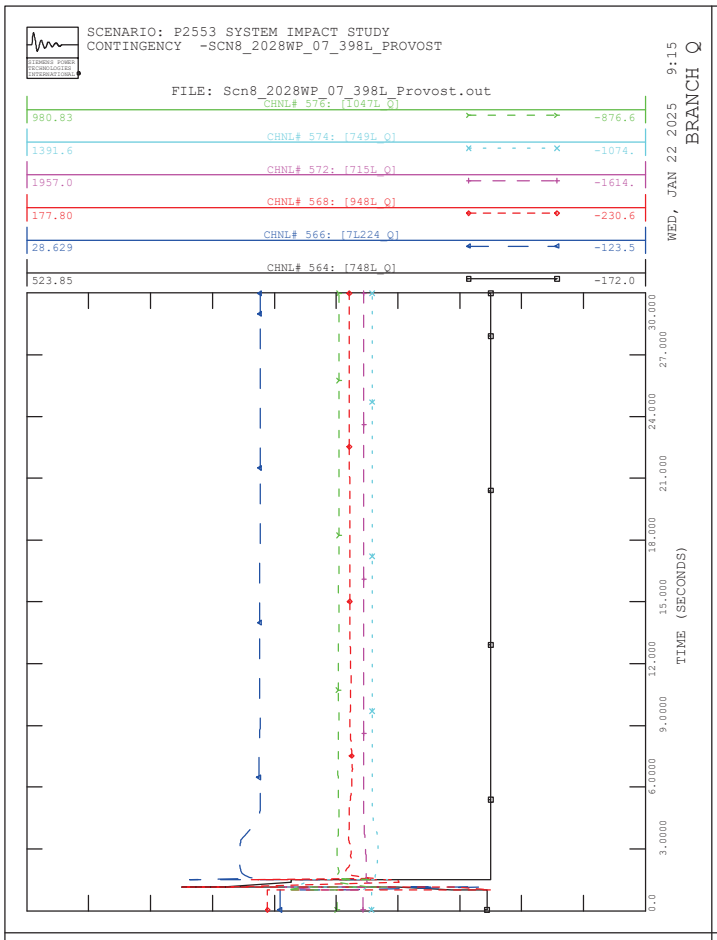
TIME (SECONDS)
WED, JAN 22 2025 9:15
BRANCH P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CONTINGENCY -SCN8_2028WP_07_398L_PROVOST
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CHNL# 576: [1047L Q]
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-876.6
CHNL# 574: [749L Q]
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-1074.
CHNL# 572: [715L Q]
1957.0
-1614.
CHNL# 568: [948L Q]
177.80
-230.6
CHNL# 566: [7L224 Q]
28.629
-123.5
CHNL# 564: [748L Q]
523.85
-172.0
WED, JAN 22 2025 9:15
BRANCH Q
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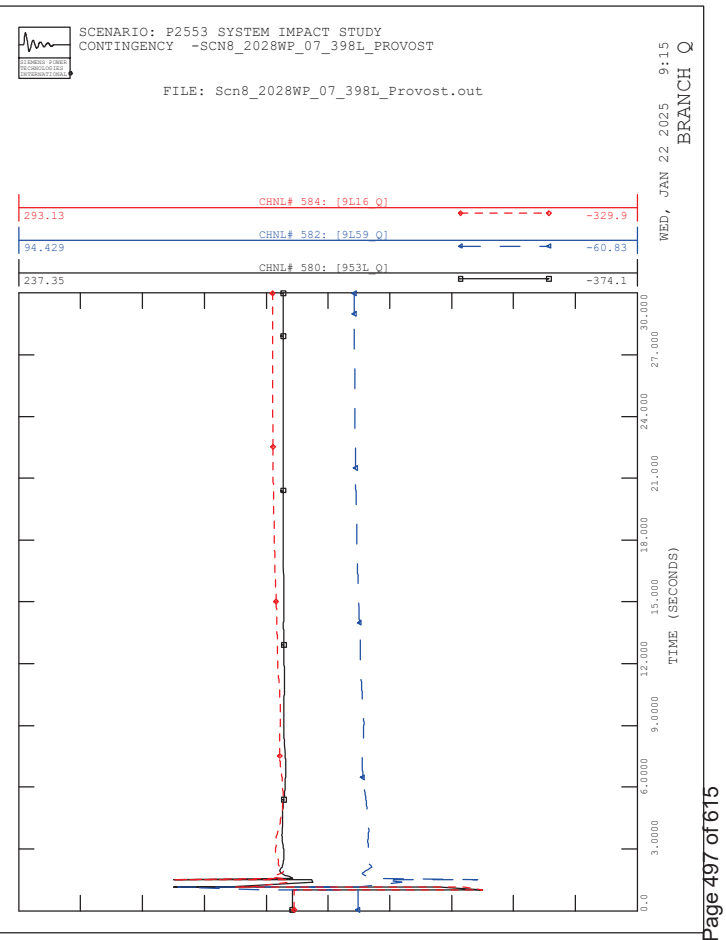
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CONTINGENCY -SCN8_2028WP_07_398L_PROVOST
FILE: Scn8_2028WP_07_398L_Provost.out
CHNL# 584: [9L16 Q]
293.13
-329.9
CHNL# 582: [9L59 Q]
94.429
-60.83
CHNL# 580: [953L Q]
237.35
-374.1
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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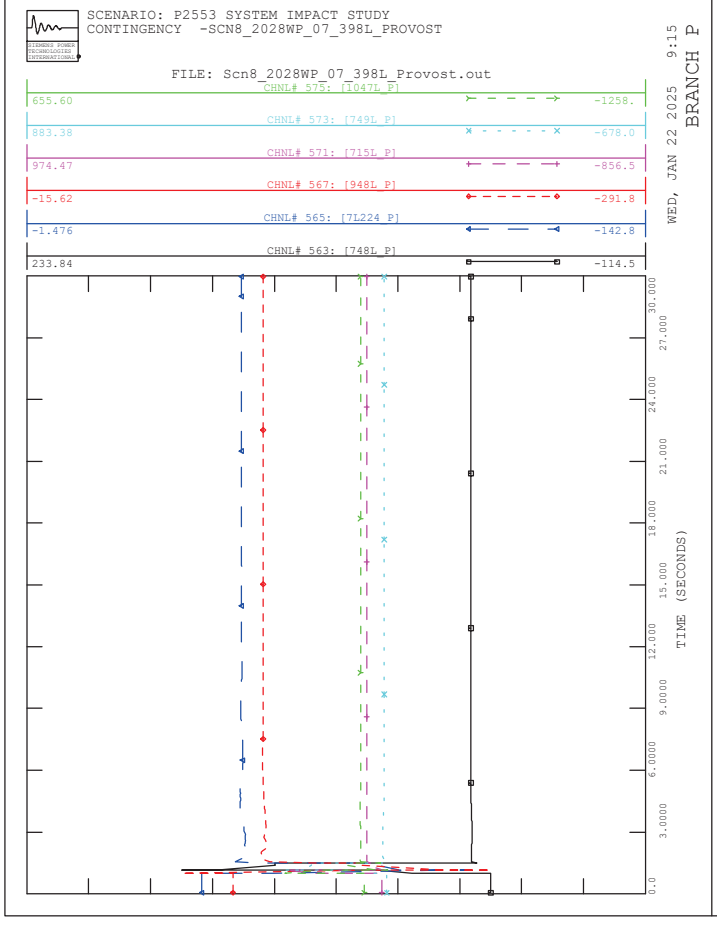
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_07_398L_PROVOST
FILE: Scn8_2028WP_07_398L_Provost.out
CHNL# 575: [1047L P]
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-1258.
CHNL# 573: [749L P]
883.38
-678.0
CHNL# 571: [715L P]
974.47
-856.5
CHNL# 567: [948L P]
-15.62
-291.8
CHNL# 565: [7L224 P]
-1.476
-142.8
CHNL# 563: [748L P]
233.84
-114.5
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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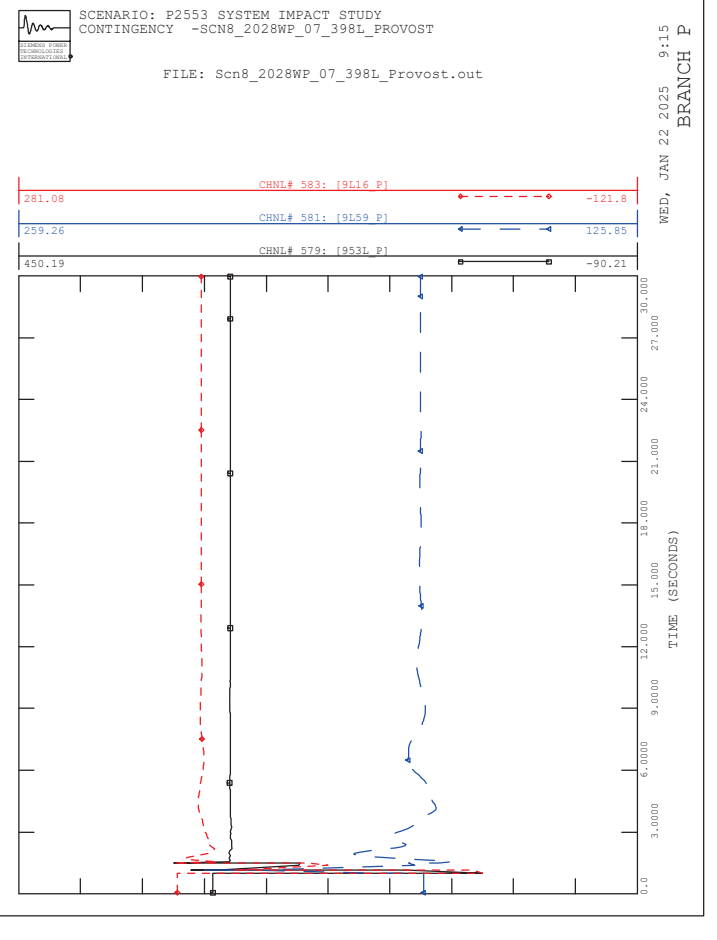
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CONTINGENCY -SCN8_2028WP_07_398L_PROVOST
FILE: Scn8_2028WP_07_398L_Provost.out
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281.08
-121.8
CHNL# 581: [9L59 P]
259.26
125.85
CHNL# 579: [953L P]
450.19
-90.21
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
0.0
3.0000
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12.000
15.000
18.000
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30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_08_954L_METISKOW

FILE: Scn8_2028WP_08_954L_Metiskow.out

WED, JAN 22 2025 9:15

ACTIVE POWER

CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
1.9169 -0.1989

CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
1.9311 -0.1989

CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
2.3273 0.85440

CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
2.2046 0.83060

CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
2.2221 0.35840

CHNL# 190: [POWR 1496[BAT #4 16.000]4]
1.2379 -0.4178

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_08_954L_METISKOW

FILE: Scn8_2028WP_08_954L_Metiskow.out

WED, JAN 22 2025 9:15

TERMINAL VOLTAGE

CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.7638 -0.0730

CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.7645 -0.0730

CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.2557 0.68100

CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.2395 0.69610

CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.2515 0.69790

CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1674 0.70930

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_08_954L_METISKOW

FILE: Scn8_2028WP_08_954L_Metiskow.out

WED, JAN 22 2025 9:15

ROTOR ANGLE

CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
55.155 -52.70

CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
52.623 -54.61

CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
36.779 -71.68

CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
33.746 -73.74

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_08_954L_METISKOW

FILE: Scn8_2028WP_08_954L_Metiskow.out

WED, JAN 22 2025 9:15

REACTIVE POWER

CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
3.2493 -1.079

CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
3.2660 -1.085

CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
5.3939 -2.093

CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
5.8930 -2.796

CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
6.0365 -2.965

CHNL# 277: [VARS 1496[BAT #4 16.000]4]
3.1771 -2.338

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_08_954L_METISKOW

FILE: Scn8_2028WP_08_954L_Metiskow.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.5879 -0.0857

CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.4130 0.19050

CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.2571 0.64470

CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.3365 0.52770

CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.3810 0.41890

CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.4669 -0.0311

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_08_954L_METISKOW

FILE: Scn8_2028WP_08_954L_Metiskow.out

WED, JAN 22 2025 9:15

BRANCH Q

CHNL# 562: [885L Q]
1544.5 -1236.

CHNL# 560: [9L27 Q]
2124.1 -1894.

CHNL# 558: [9L966 Q]
979.14 -823.6

CHNL# 556: [954L Q]
240.38 -336.5

CHNL# 554: [9L20 Q]
1080.4 -931.5

CHNL# 552: [398L Q]
401.06 -542.3

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_08_954L_METISKOW

FILE: Scn8_2028WP_08_954L_Metiskow.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.3417 0.05020

CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.3599 -0.0110

CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.4582 -0.0319

CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.4597 0.17980

CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.4617 -0.0327

CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.5856 -0.0961

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_08_954L_METISKOW

FILE: Scn8_2028WP_08_954L_Metiskow.out

WED, JAN 22 2025 9:15

BRANCH P

CHNL# 561: [885L P]
888.77 -631.7

CHNL# 559: [9L27 P]
1203.6 -1539.

CHNL# 557: [9L966 P]
1361.5 -967.0

CHNL# 555: [954L P]
52.510 -40.00

CHNL# 553: [9L20 P]
836.68 -1474.

CHNL# 551: [398L P]
144.59 -202.8

TIME (SECONDS)

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_08_954L_METISKOW

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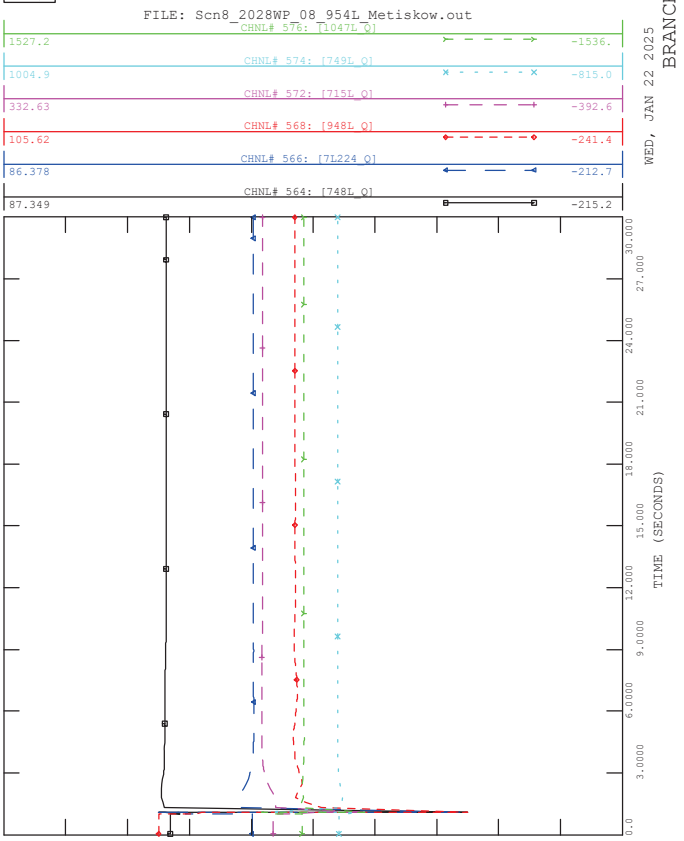
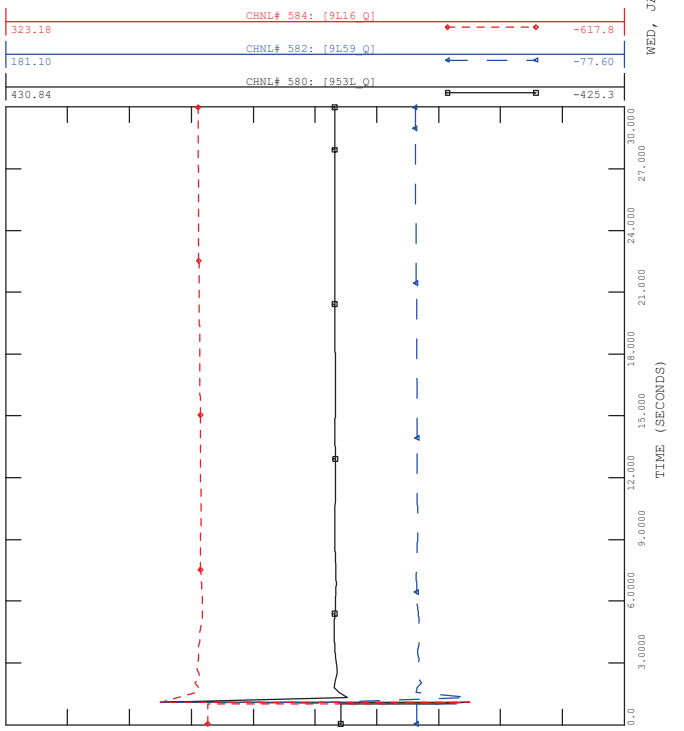


WED, JAN 22 2025 9:15 BRANCH Q

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_08_954L_METISKOW

FILE: Scn8_2028WP_08_954L_Metiskow.out



WED, JAN 22 2025 9:15 BRANCH Q

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_08_954L_METISKOW

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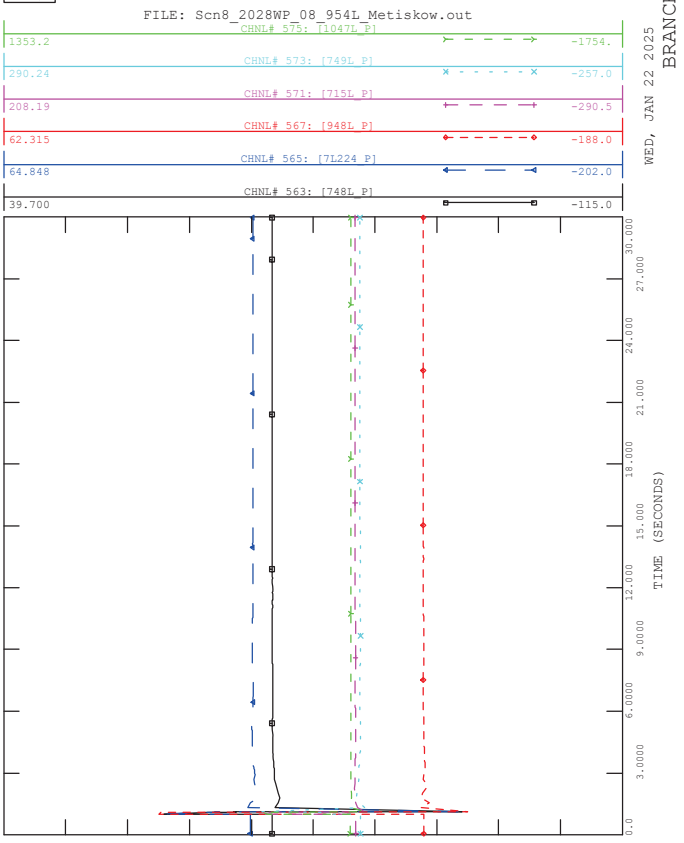

WED, JAN 22 2025 9:15 BRANCH P

SCENARIO: P2553 SYSTEM IMPACT STUDY
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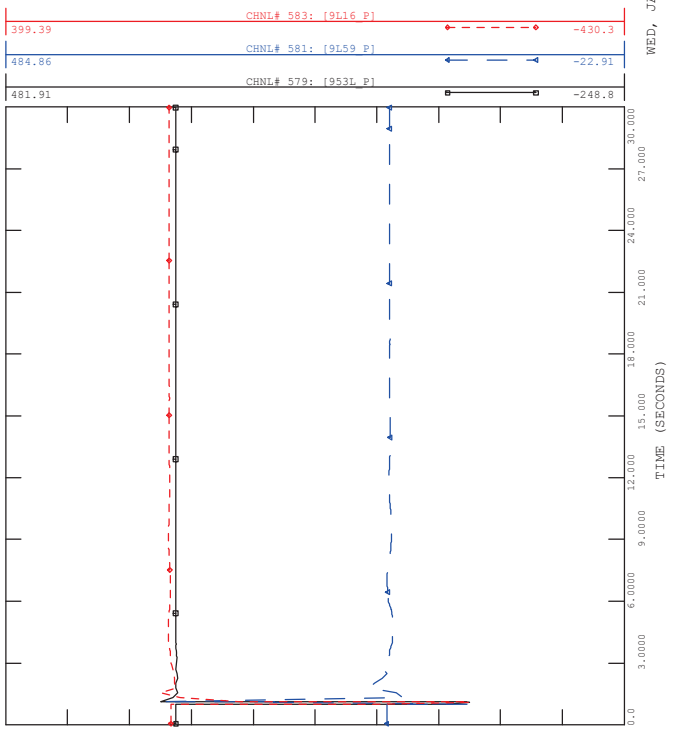
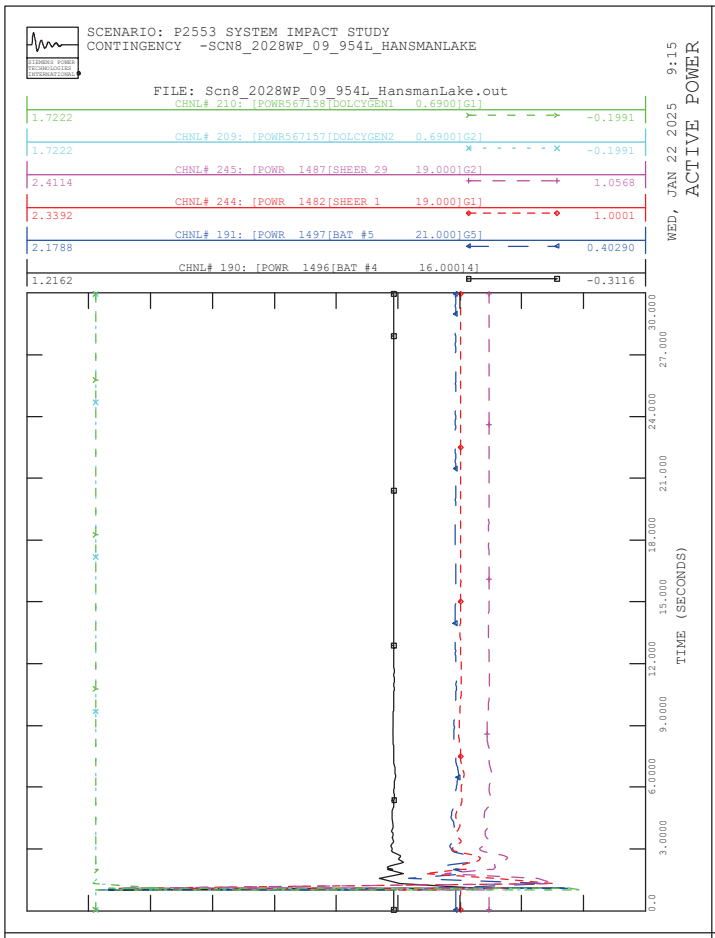
FILE: Scn8_2028WP_08_954L_Metiskow.out



WED, JAN 22 2025 9:15 BRANCH P


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_09_954L_HANSMANLAKE
FILE: Scn8_2028WP_09_954L_HansmanLake.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
1.7222
-0.1991
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
1.7222
-0.1991
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
2.4114
1.0568
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
2.3392
1.0001
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
2.1788
0.40290
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
1.2162
-0.3116
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
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3.0000
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12.000
15.000
18.000
21.000
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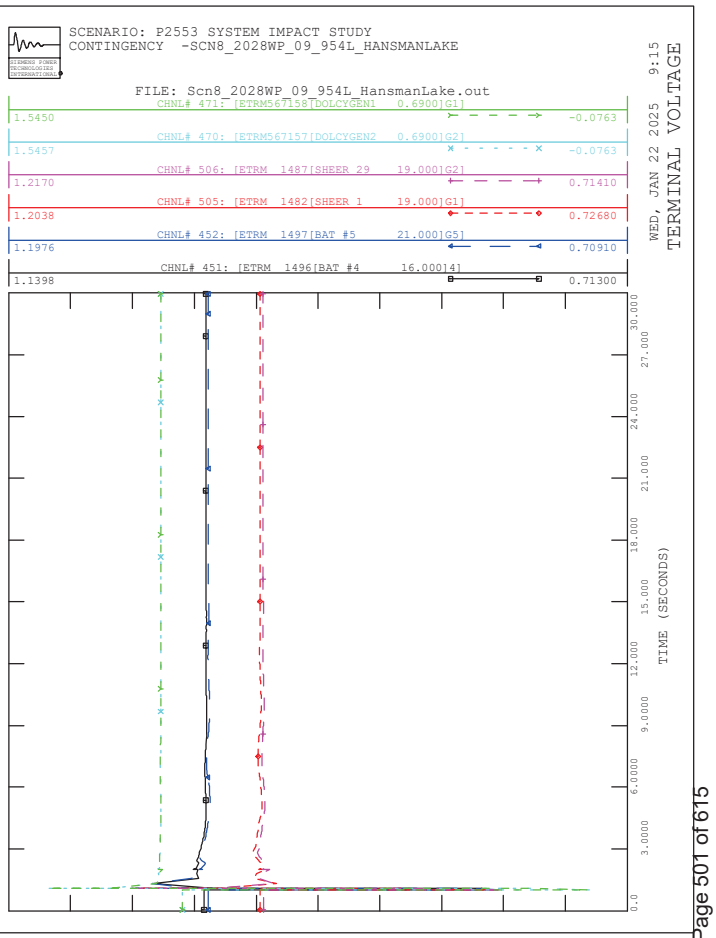
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_09_954L_HANSMANLAKE
FILE: Scn8_2028WP_09_954L_HansmanLake.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.5450
-0.0763
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.5457
-0.0763
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.2170
0.71410
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.2038
0.72680
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1976
0.70910
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1398
0.71300
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
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12.000
15.000
18.000
21.000
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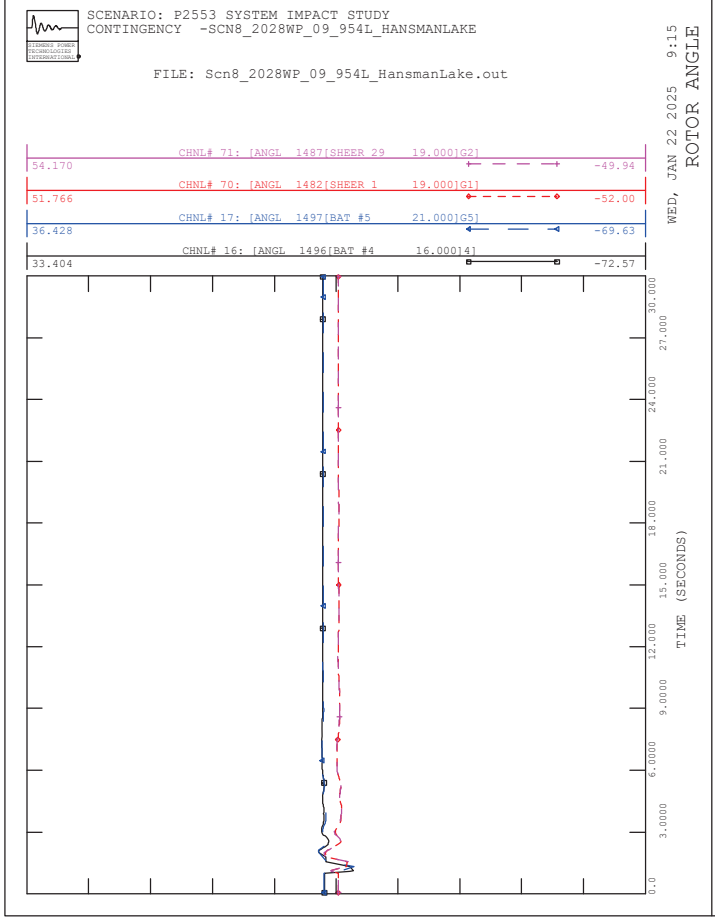
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_09_954L_HANSMANLAKE
FILE: Scn8_2028WP_09_954L_HansmanLake.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
54.170
-49.94
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
51.766
-52.00
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
36.428
-69.63
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
33.404
-72.57
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
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3.0000
6.0000
9.0000
12.000
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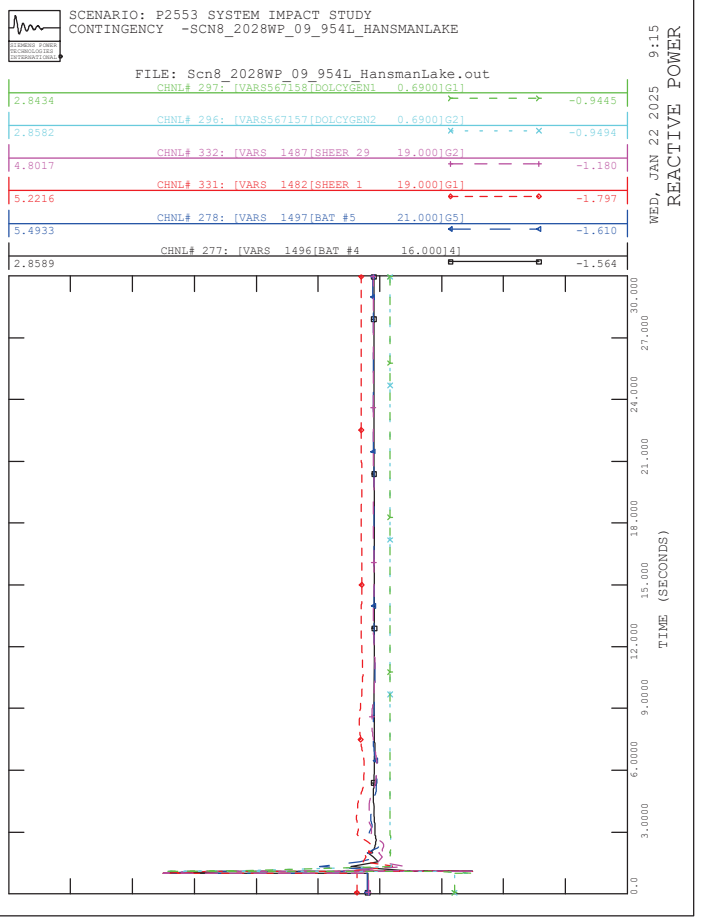
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_09_954L_HANSMANLAKE
FILE: Scn8_2028WP_09_954L_HansmanLake.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
2.8434
-0.9445
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
2.8582
-0.9494
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
4.8017
-1.180
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
5.2216
-1.797
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
5.4933
-1.610
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
2.8589
-1.564
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_09_954L_HANSMANLAKE

FILE: Scn8_2028WP_09_954L_HansmanLake.out

WED, JAN 22 2025 9:15 BUS VOLTAGE

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.3732 -0.0857
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.2370 0.19900
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.1935 0.66270
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2441 0.54550
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.2649 0.43390
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.1992 -0.0257

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_09_954L_HANSMANLAKE

FILE: Scn8_2028WP_09_954L_HansmanLake.out

WED, JAN 22 2025 9:15 BRANCH Q

CHNL# 562: [885L Q]
3132.5 -2253.
CHNL# 560: [9L27 Q]
1671.8 -1293.
CHNL# 558: [9L966 Q]
823.68 -712.3
CHNL# 556: [954L Q]
40.000 -49.78
CHNL# 554: [9L20 Q]
909.12 -674.9
CHNL# 552: [398L Q]
274.70 -348.9

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_09_954L_HANSMANLAKE

FILE: Scn8_2028WP_09_954L_HansmanLake.out

WED, JAN 22 2025 9:15 BUS VOLTAGE

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.1574 0.05610
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.1713 -0.0057
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.1796 -0.0265
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.3172 0.18780
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.1812 -0.0272
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.3693 -0.0999

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_09_954L_HANSMANLAKE

FILE: Scn8_2028WP_09_954L_HansmanLake.out

WED, JAN 22 2025 9:15 BRANCH P

CHNL# 561: [885L P]
566.42 -399.4
CHNL# 559: [9L27 P]
1103.8 -1401.
CHNL# 557: [9L966 P]
1236.4 -875.3
CHNL# 555: [954L P]
41.264 -40.00
CHNL# 553: [9L20 P]
687.49 -1281.
CHNL# 551: [398L P]
118.40 -166.7

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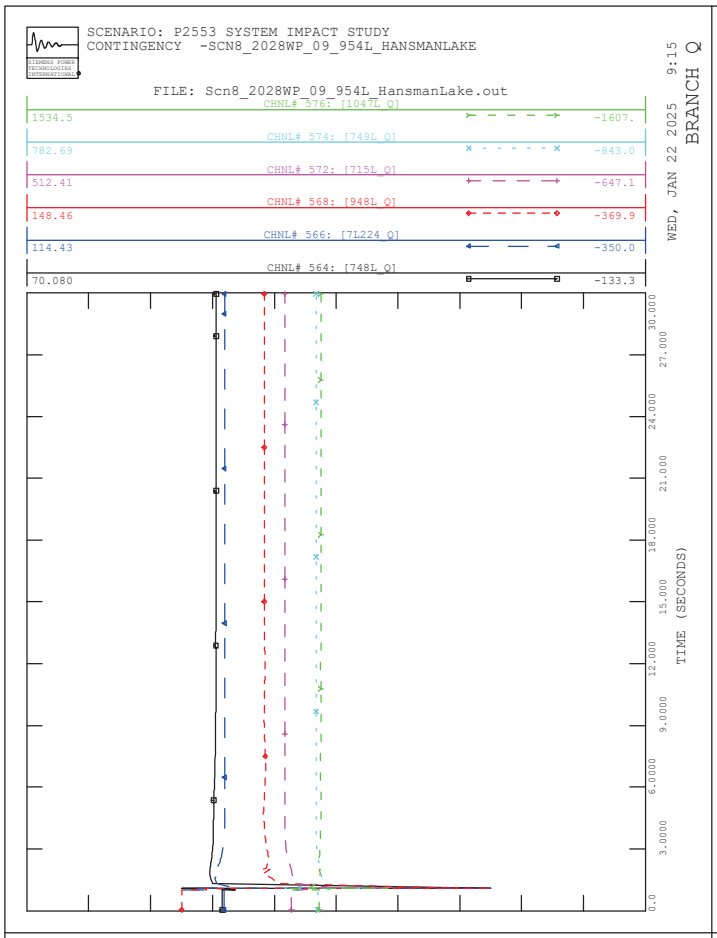
TIME (SECONDS)


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_09_954L_HANSMANLAKE
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-1607.
CHNL# 574: [749L Q]
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-843.0
CHNL# 572: [715L Q]
512.41
-647.1
CHNL# 568: [948L Q]
148.46
-369.9
CHNL# 566: [7L224 Q]
114.43
-350.0
CHNL# 564: [748L Q]
70.080
-133.3
WED, JAN 22 2025 9:15
BRANCH Q
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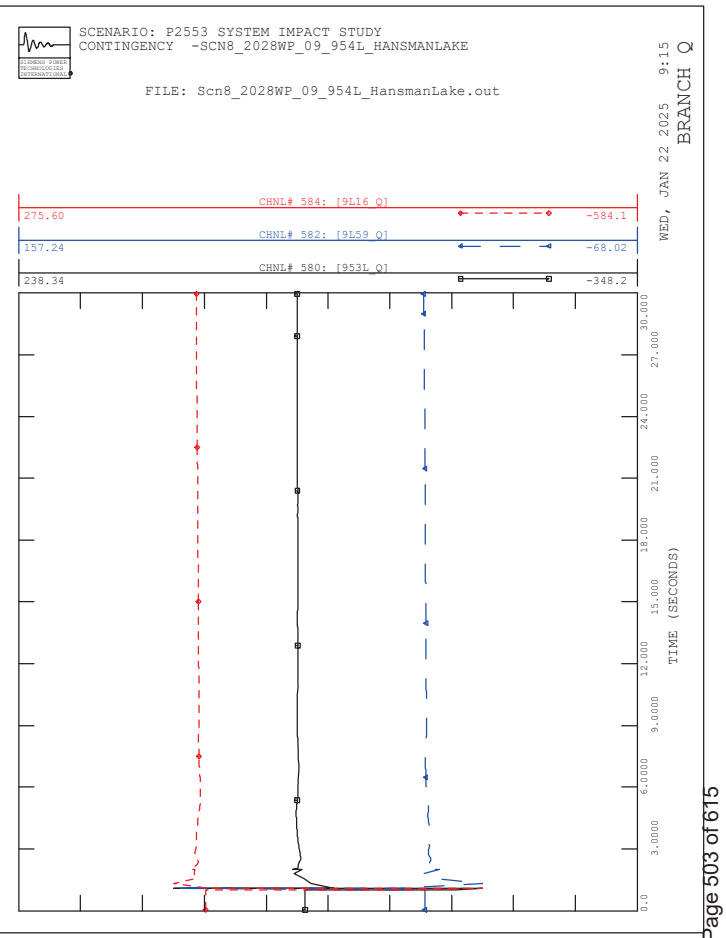
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CONTINGENCY -SCN8_2028WP_09_954L_HANSMANLAKE
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CHNL# 584: [9L16 Q]
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CHNL# 582: [9L59 Q]
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-68.02
CHNL# 580: [953L Q]
238.34
-348.2
WED, JAN 22 2025 9:15
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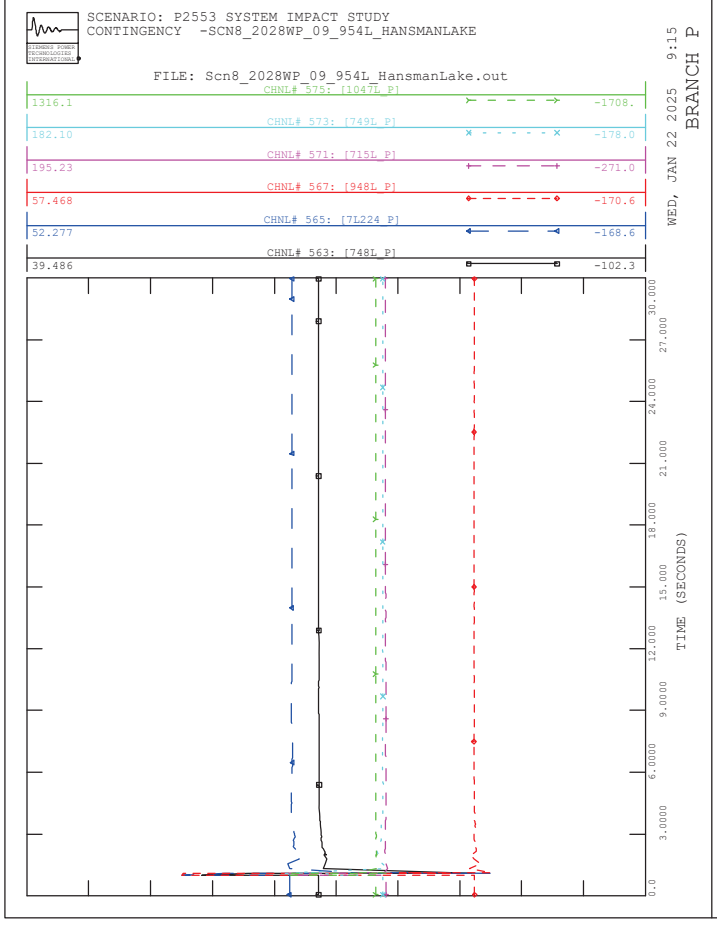
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-1708.
CHNL# 573: [749L P]
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-178.0
CHNL# 571: [715L P]
195.23
-271.0
CHNL# 567: [948L P]
57.468
-170.6
CHNL# 565: [7L224 P]
52.277
-168.6
CHNL# 563: [748L P]
39.486
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WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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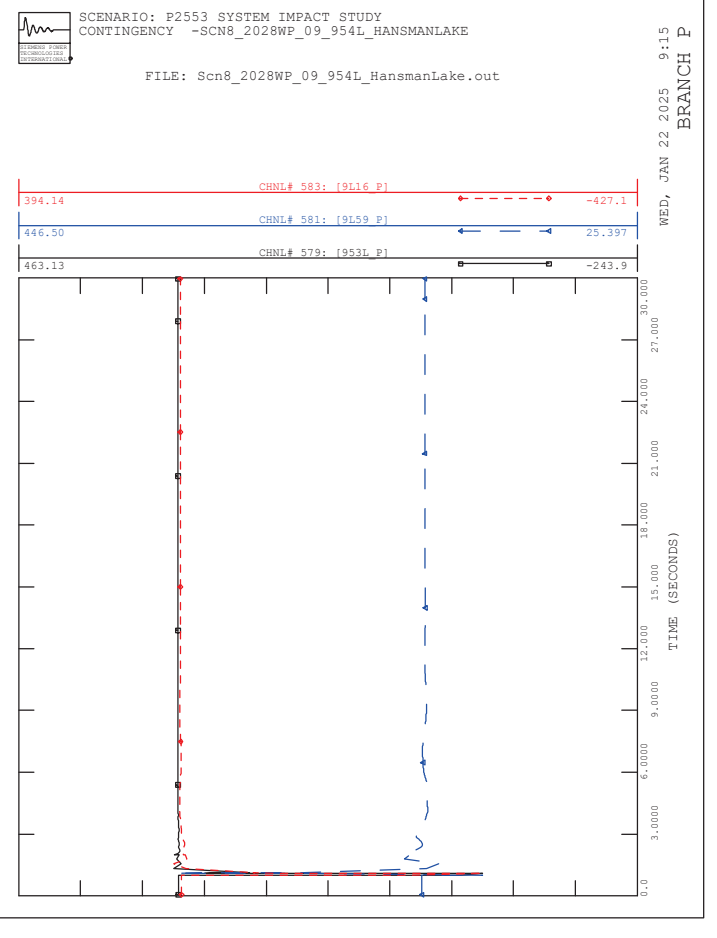
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_09_954L_HANSMANLAKE
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CHNL# 583: [9L16 P]
394.14
-427.1
CHNL# 581: [9L59 P]
446.50
25.397
CHNL# 579: [953L P]
463.13
-243.9
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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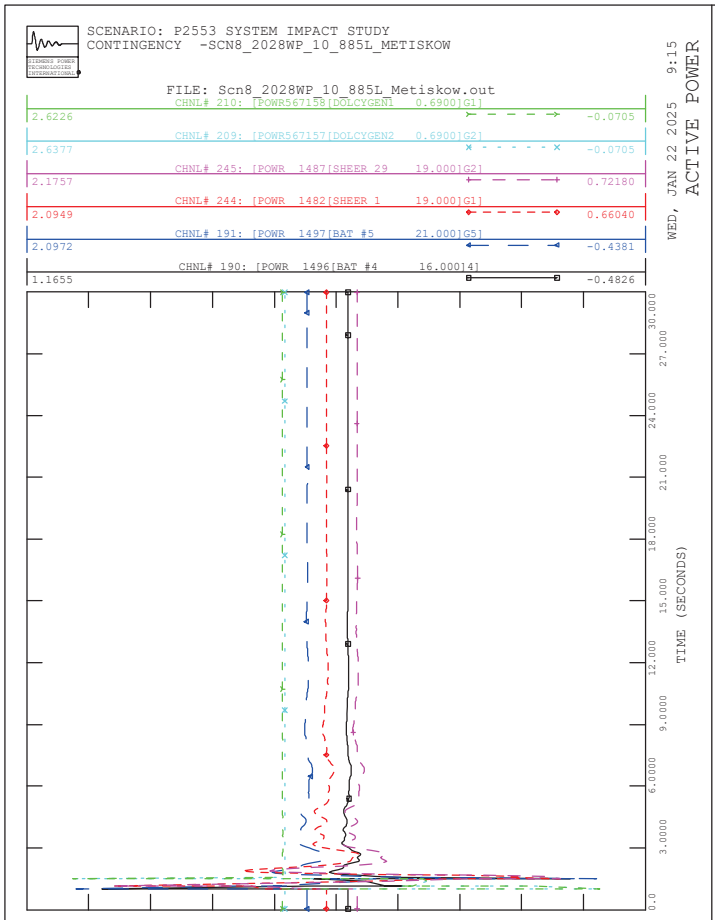
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CONTINGENCY -SCN8_2028WP_10_885L_METISKOW
FILE: Scn8_2028WP_10_885L_Metiskow.out
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CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2] 2.6377 -0.0705
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2] 2.1757 0.72180
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1] 2.0949 0.66040
CHNL# 191: [POWR 1497[BAT #5 21.000]G5] 2.0972 -0.4381
CHNL# 190: [POWR 1496[BAT #4 16.000]4] 1.1655 -0.4826
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
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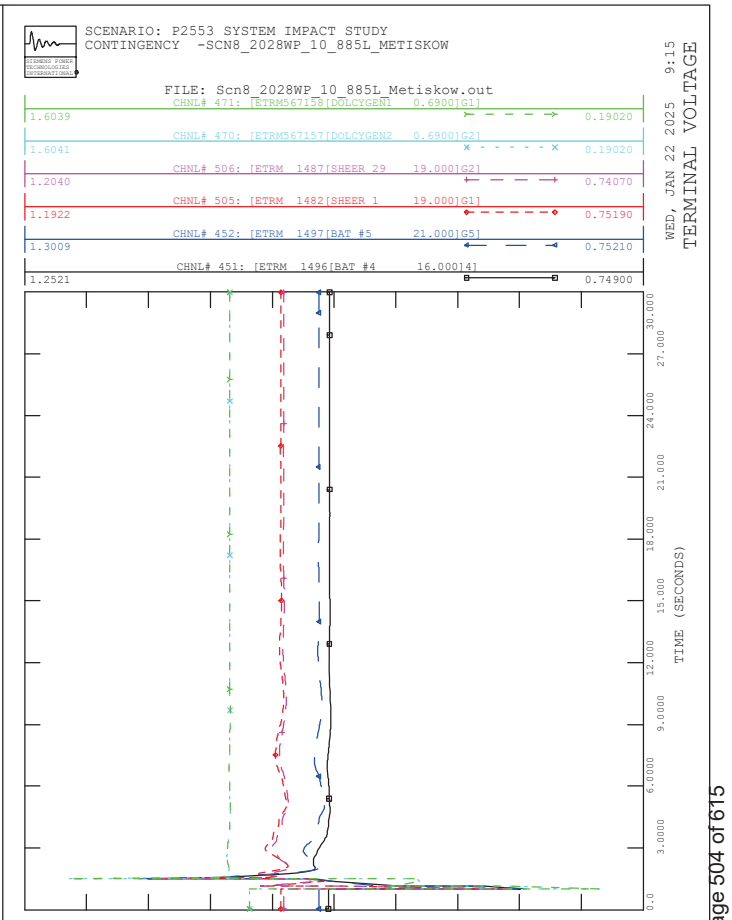
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CONTINGENCY -SCN8_2028WP_10_885L_METISKOW
FILE: Scn8_2028WP_10_885L_Metiskow.out
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CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2] 1.6041 0.19020
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2] 1.2040 0.74070
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1] 1.1922 0.75190
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5] 1.3009 0.75210
CHNL# 451: [ETRM 1496[BAT #4 16.000]4] 1.2521 0.74900
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
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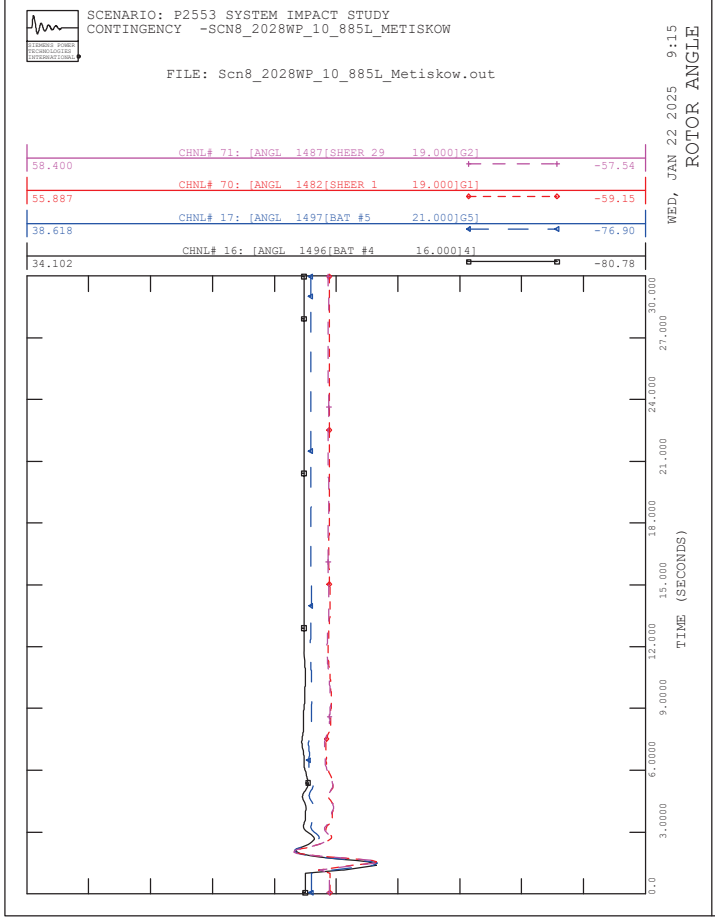
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_10_885L_METISKOW
FILE: Scn8_2028WP_10_885L_Metiskow.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2] 58.400 -57.54
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1] 55.887 -59.15
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5] 38.618 -76.90
CHNL# 16: [ANGL 1496[BAT #4 16.000]4] 34.102 -80.78
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
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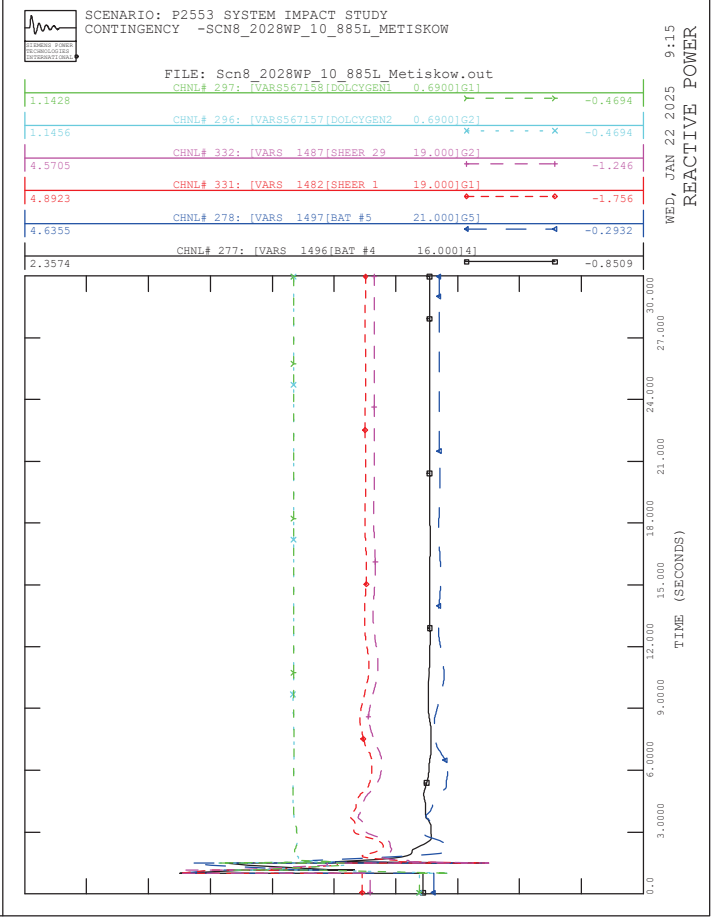
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CONTINGENCY -SCN8_2028WP_10_885L_METISKOW
FILE: Scn8_2028WP_10_885L_Metiskow.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1] 1.1428 -0.4694
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2] 1.1456 -0.4694
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2] 4.5705 -1.246
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1] 4.8923 -1.756
CHNL# 278: [VARS 1497[BAT #5 21.000]G5] 4.6355 -0.2932
CHNL# 277: [VARS 1496[BAT #4 16.000]4] 2.3574 -0.8509
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_10_885L_METISKOW

FILE: Scn8_2028WP_10_885L_Metiskow.out

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]] 1.5372 0.17640
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]] 1.4031 0.30790
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]] 1.2534 0.70540
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]] 1.3242 0.61580
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]] 1.3590 0.53300
CHNL# 539: [VOLT 86 [PROVOST7 138.00]] 1.5801 -0.0860

BUS VOLTAGE
WED, JAN 22 2025 9:15
TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_10_885L_METISKOW

FILE: Scn8_2028WP_10_885L_Metiskow.out

CHNL# 562: [885L Q] 2489.8 -1778.
CHNL# 560: [9L27 Q] 1581.4 -1359.
CHNL# 558: [9L966 Q] 719.67 -780.1
CHNL# 556: [954L Q] 898.64 -680.9
CHNL# 554: [9L20 Q] 938.99 -783.0
CHNL# 552: [398L Q] 546.77 -547.8

BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_10_885L_METISKOW

FILE: Scn8_2028WP_10_885L_Metiskow.out

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]] 1.4493 0.01350
CHNL# 544: [VOLT 814 [KILRY TP 138.00]] 1.4800 -0.0619
CHNL# 537: [VOLT 74 [METIS647 138.00]] 1.4690 -0.0999
CHNL# 547: [VOLT 1427 [NILREM3 240.00]] 1.4407 0.33400
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]] 1.5592 -0.0932
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]] 1.5380 0.16940

BUS VOLTAGE
WED, JAN 22 2025 9:15
TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_10_885L_METISKOW

FILE: Scn8_2028WP_10_885L_Metiskow.out

CHNL# 561: [885L P] 5000.0 -5000.
CHNL# 559: [9L27 P] 1099.7 -1594.
CHNL# 557: [9L966 P] 907.71 -575.6
CHNL# 555: [954L P] 466.42 -331.0
CHNL# 553: [9L20 P] 657.88 -1356.
CHNL# 551: [398L P] 390.25 -411.4

BRANCH P
WED, JAN 22 2025 9:15
TIME (SECONDS)
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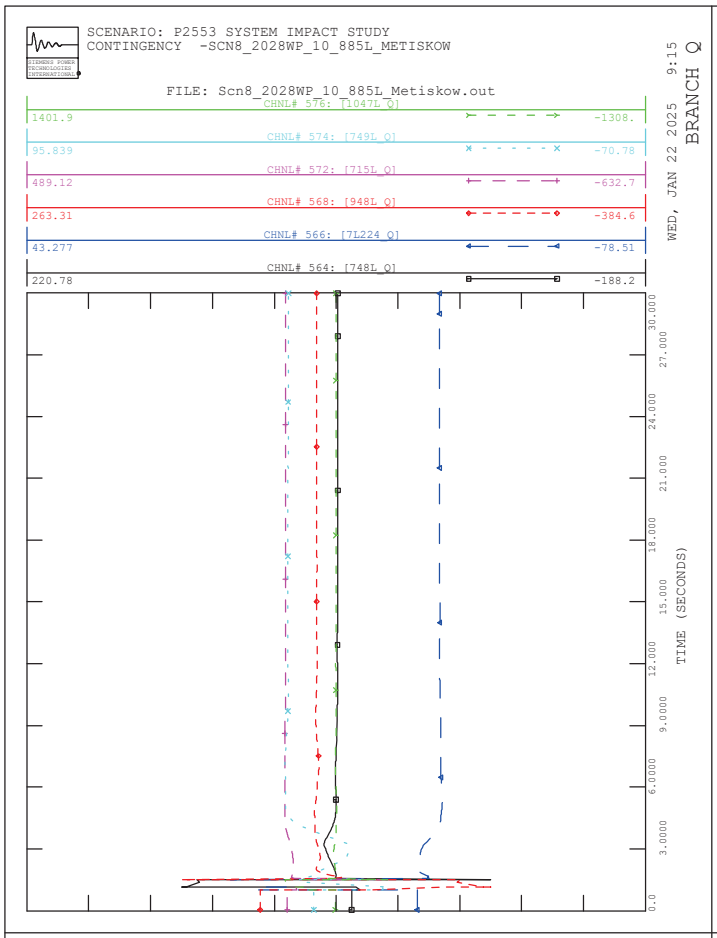
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FILE: Scn8_2028WP_10_885L_Metiskow.out
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1401.9
-1308.
CHNL# 574: [749L_Q]
95.839
-70.78
CHNL# 572: [715L_Q]
489.12
-632.7
CHNL# 568: [948L_Q]
263.31
-384.6
CHNL# 566: [7L224_Q]
43.277
-78.51
CHNL# 564: [748L_Q]
220.78
-188.2
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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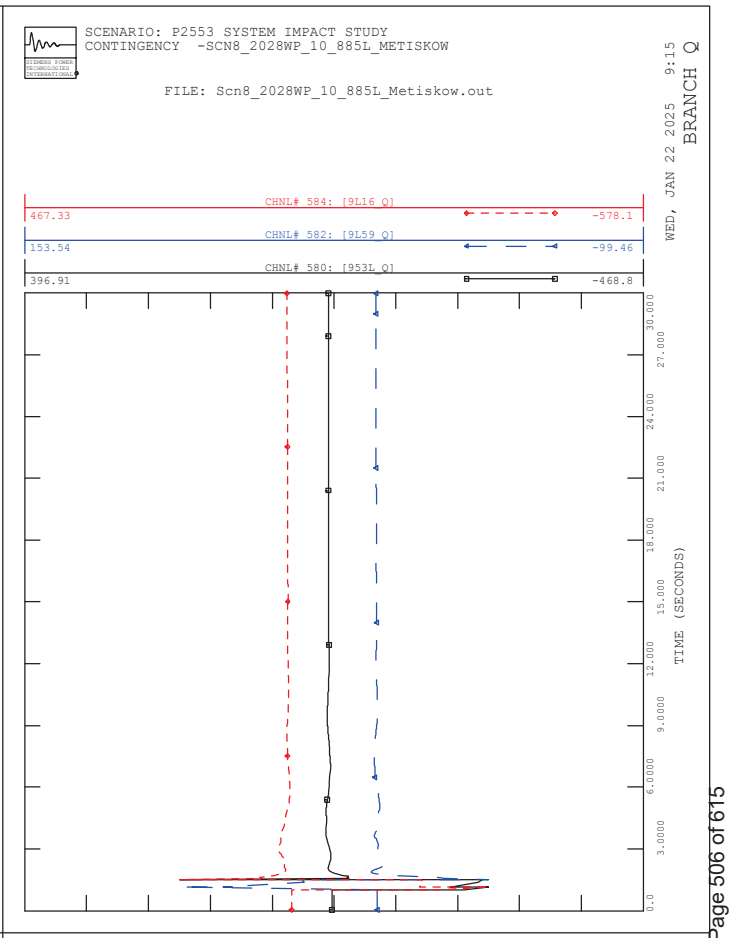
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_10_885L_METISKOW
FILE: Scn8_2028WP_10_885L_Metiskow.out
CHNL# 584: [9L16_Q]
467.33
-578.1
CHNL# 582: [9L59_Q]
153.54
-99.46
CHNL# 580: [953L_Q]
396.91
-468.8
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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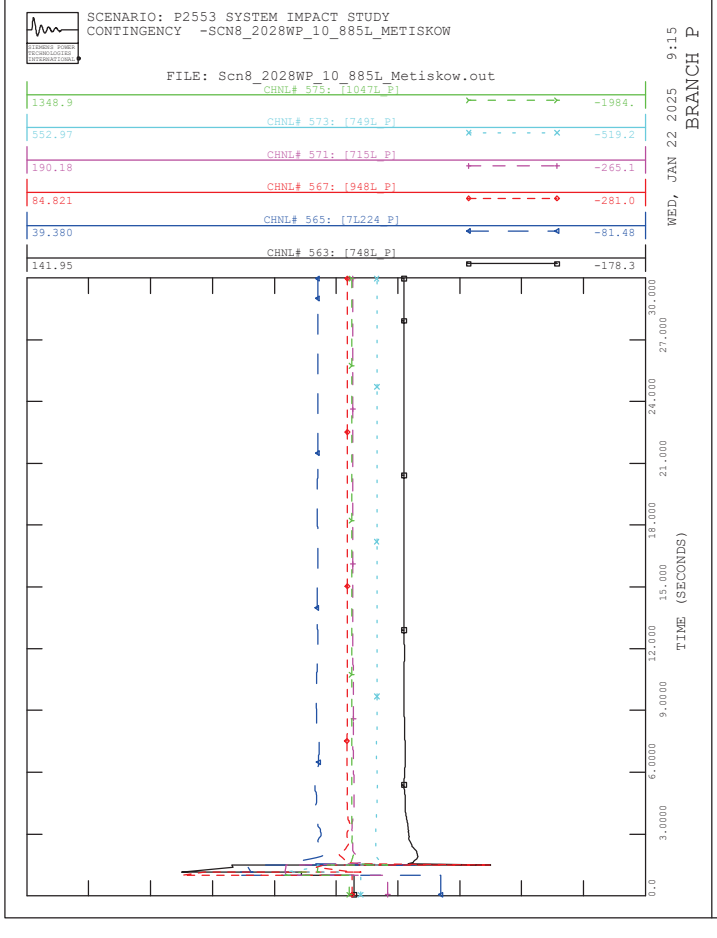
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_10_885L_METISKOW
FILE: Scn8_2028WP_10_885L_Metiskow.out
CHNL# 575: [1047L_P]
1348.9
-1984.
CHNL# 573: [749L_P]
552.97
-519.2
CHNL# 571: [715L_P]
190.18
-265.1
CHNL# 567: [948L_P]
84.821
-281.0
CHNL# 565: [7L224_P]
39.380
-81.48
CHNL# 563: [748L_P]
141.95
-178.3
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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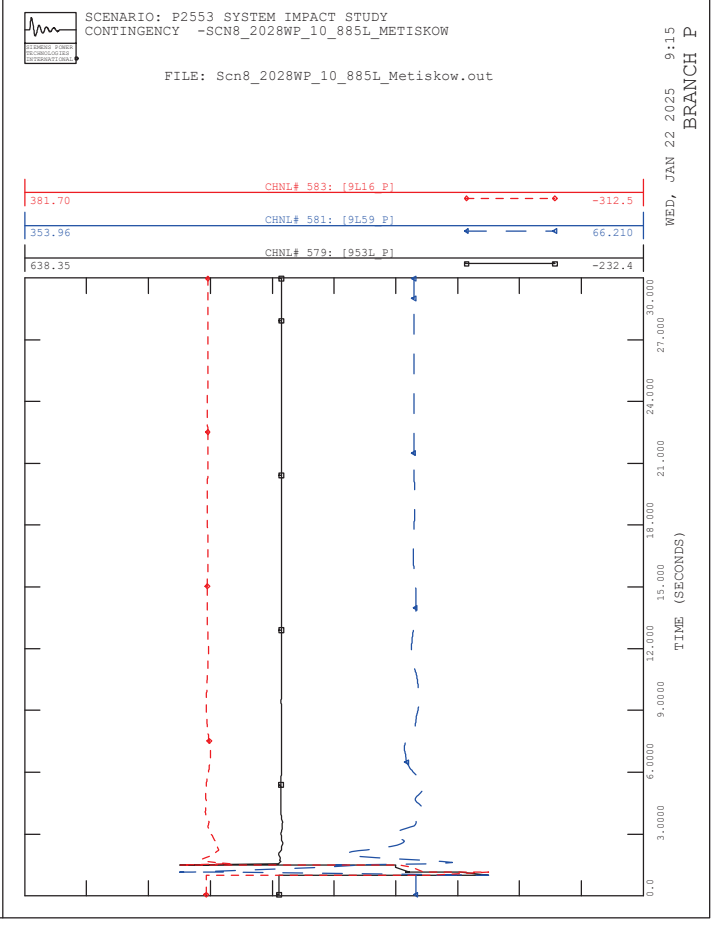
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_10_885L_METISKOW
FILE: Scn8_2028WP_10_885L_Metiskow.out
CHNL# 583: [9L16_P]
381.70
-312.5
CHNL# 581: [9L59_P]
353.96
66.210
CHNL# 579: [953L_P]
638.35
-232.4
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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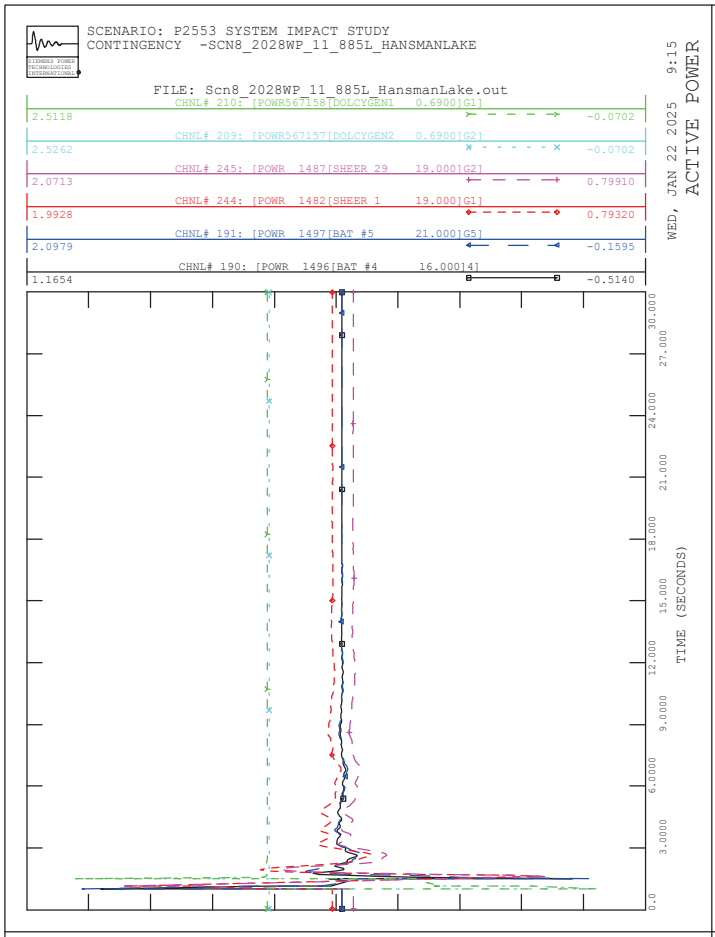
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_11_885L_HANSMANLAKE
FILE: Scn8_2028WP_11_885L_HansmanLake.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.5118
-0.0702
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.5262
-0.0702
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
2.0713
0.79910
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.9928
0.79320
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
2.0979
-0.1595
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
1.1654
-0.5140
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
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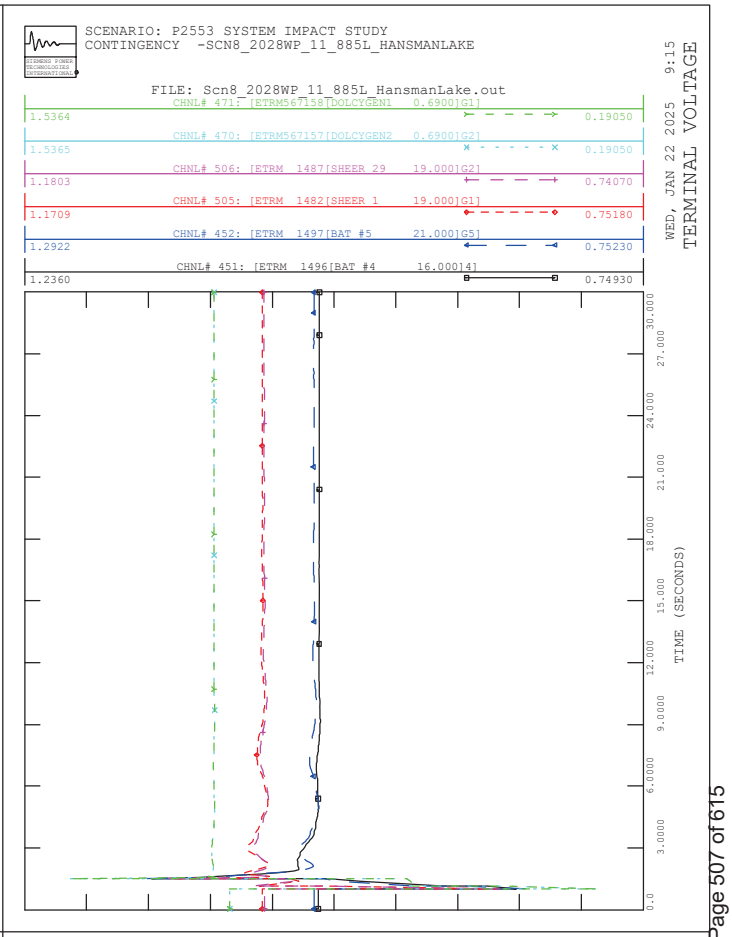
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_11_885L_HANSMANLAKE
FILE: Scn8_2028WP_11_885L_HansmanLake.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.5364
0.19050
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.5365
0.19050
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1803
0.74070
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1709
0.75180
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.2922
0.75230
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.2360
0.74930
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
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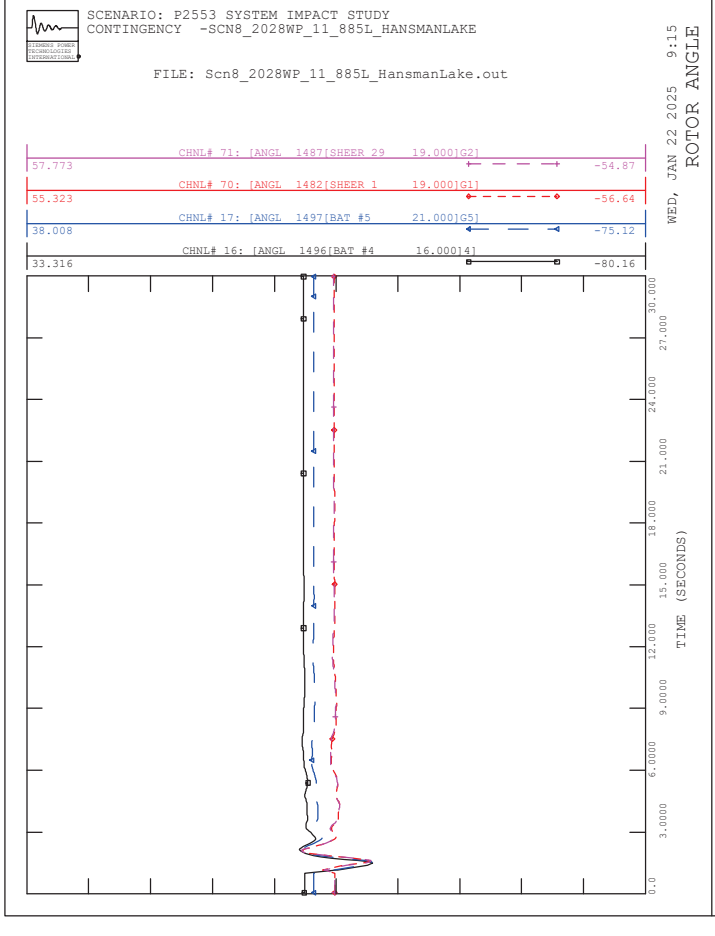
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_11_885L_HANSMANLAKE
FILE: Scn8_2028WP_11_885L_HansmanLake.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
57.773
-54.87
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
55.323
-56.64
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
38.008
-75.12
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
33.316
-80.16
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
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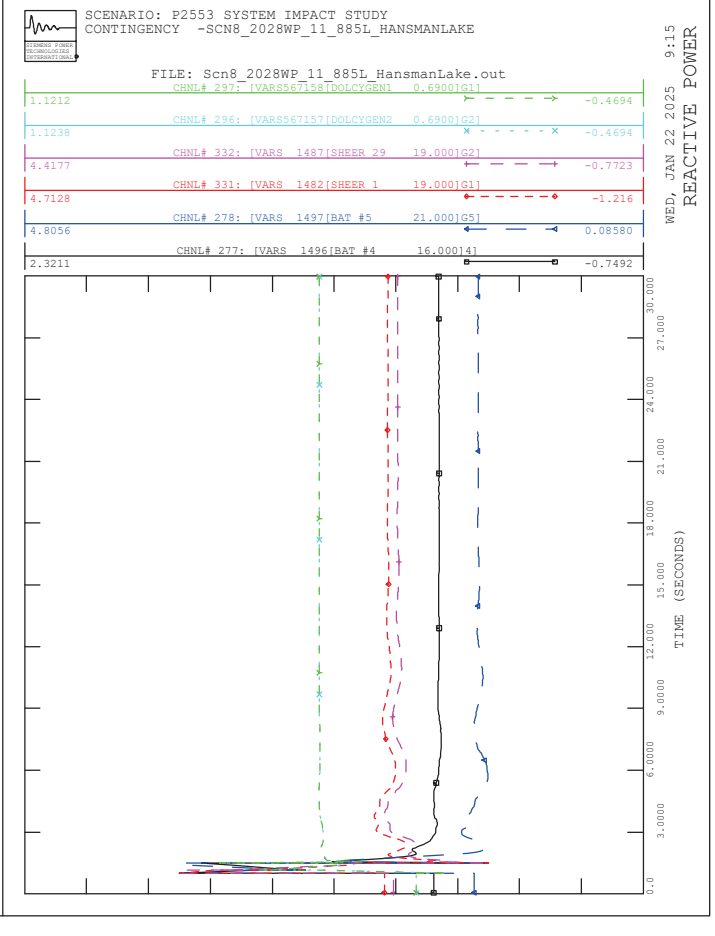
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_11_885L_HANSMANLAKE
FILE: Scn8_2028WP_11_885L_HansmanLake.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.1212
-0.4694
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.1238
-0.4694
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
4.4177
-0.7723
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
4.7128
-1.216
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
4.8056
0.08580
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
2.3211
-0.7492
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
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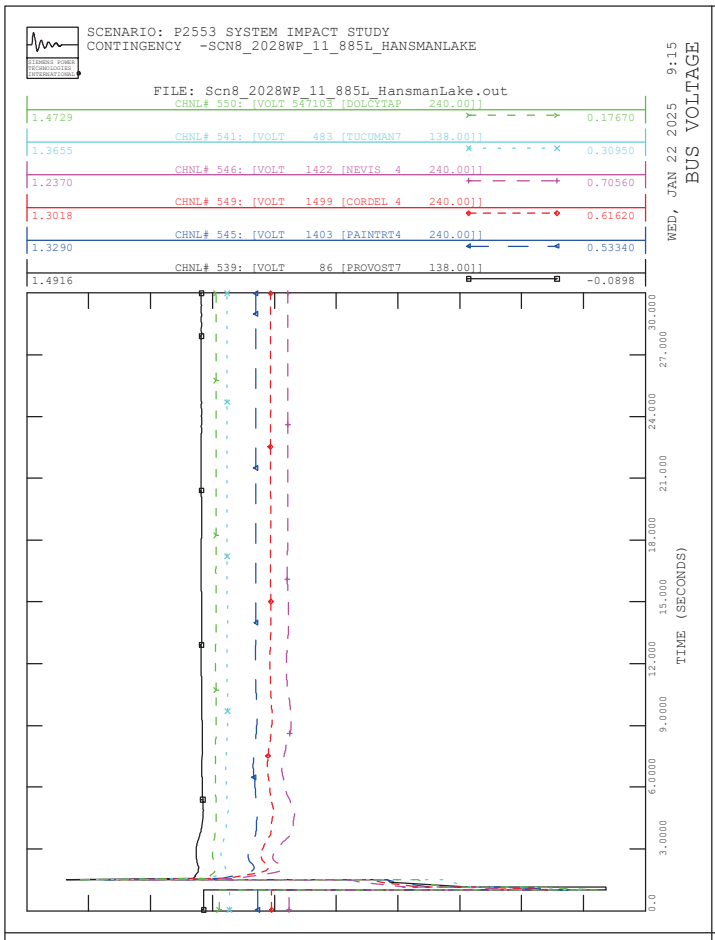
SCENARIO: P2553 SYSTEM IMPACT STUDY
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CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.3655
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CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
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CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.3018
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CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
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CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
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WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
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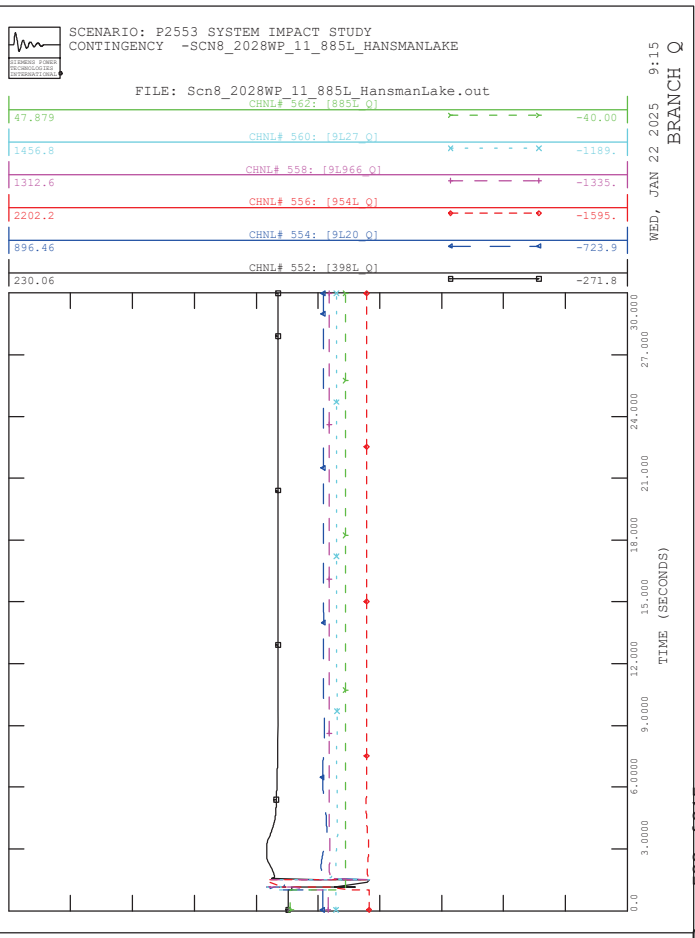
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CHNL# 558: [9L966 Q]
1312.6
-1335.
CHNL# 556: [954L Q]
2202.2
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CHNL# 554: [9L20 Q]
896.46
-723.9
CHNL# 552: [398L Q]
230.06
-271.8
WED, JAN 22 2025 9:15
BRANCH Q
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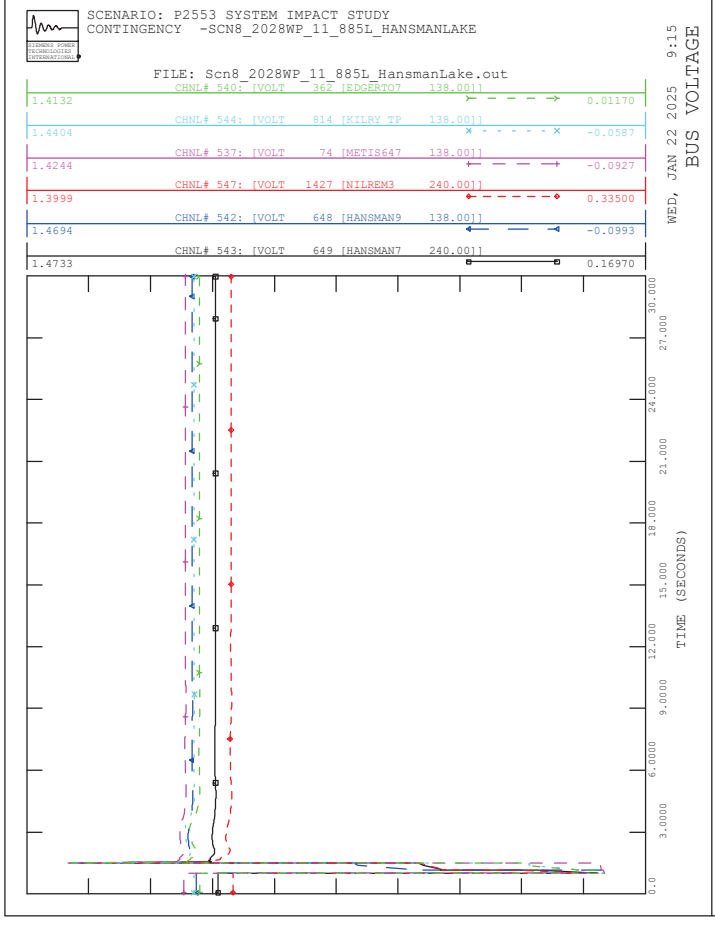
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CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
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CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
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CHNL# 537: [VOLT 74 [METIS647 138.00]]
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CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.3999
0.33500
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
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CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
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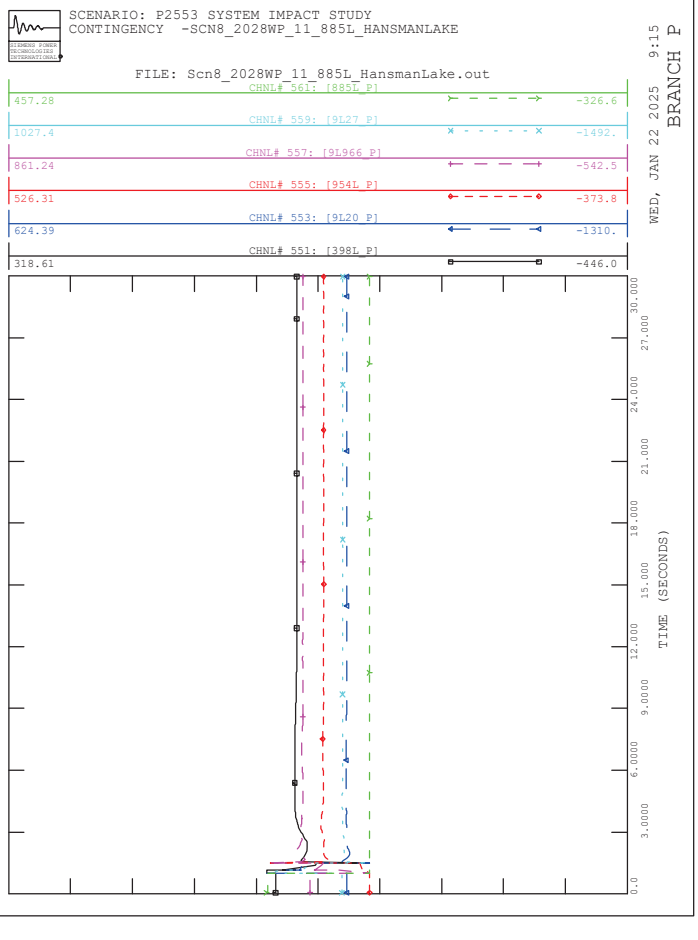
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CHNL# 559: [9L27 P]
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-1492.
CHNL# 557: [9L966 P]
861.24
-542.5
CHNL# 555: [954L P]
526.31
-373.8
CHNL# 553: [9L20 P]
624.39
-1310.
CHNL# 551: [398L P]
318.61
-446.0
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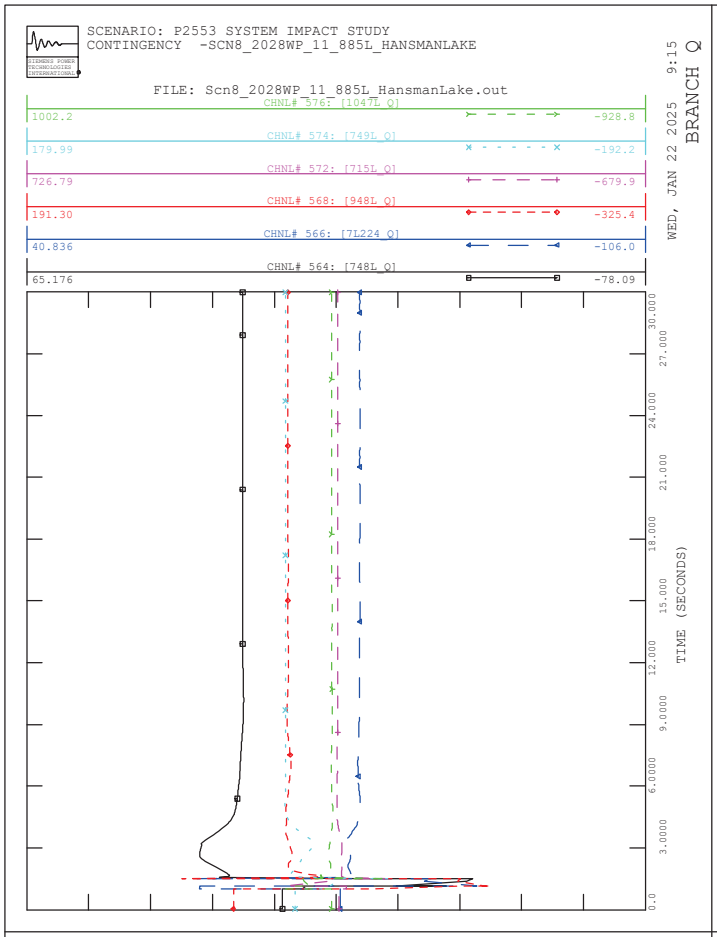
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-928.8
CHNL# 574: [749L Q]
179.99
-192.2
CHNL# 572: [715L Q]
726.79
-679.9
CHNL# 568: [948L Q]
191.30
-325.4
CHNL# 566: [7L224 Q]
40.836
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65.176
-78.09
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BRANCH Q
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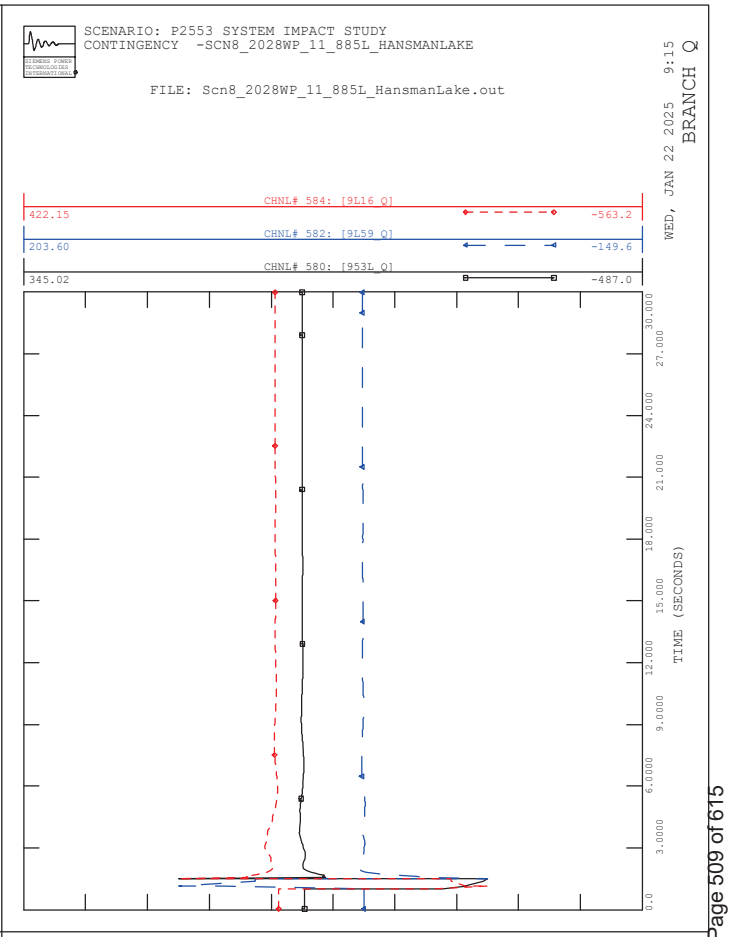
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FILE: Scn8_2028WP_11_885L_HansmanLake.out
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-563.2
CHNL# 582: [9L59 Q]
203.60
-149.6
CHNL# 580: [953L Q]
345.02
-487.0
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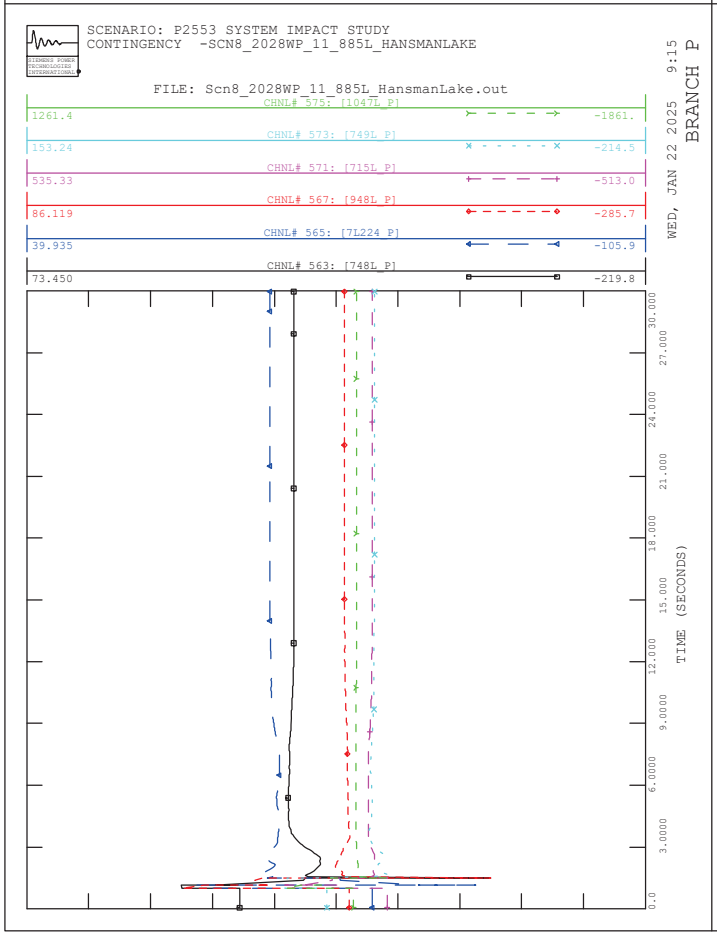
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-1861.
CHNL# 573: [749L P]
153.24
-214.5
CHNL# 571: [715L P]
535.33
-513.0
CHNL# 567: [948L P]
86.119
-285.7
CHNL# 565: [7L224 P]
39.935
-105.9
CHNL# 563: [748L P]
73.450
-219.8
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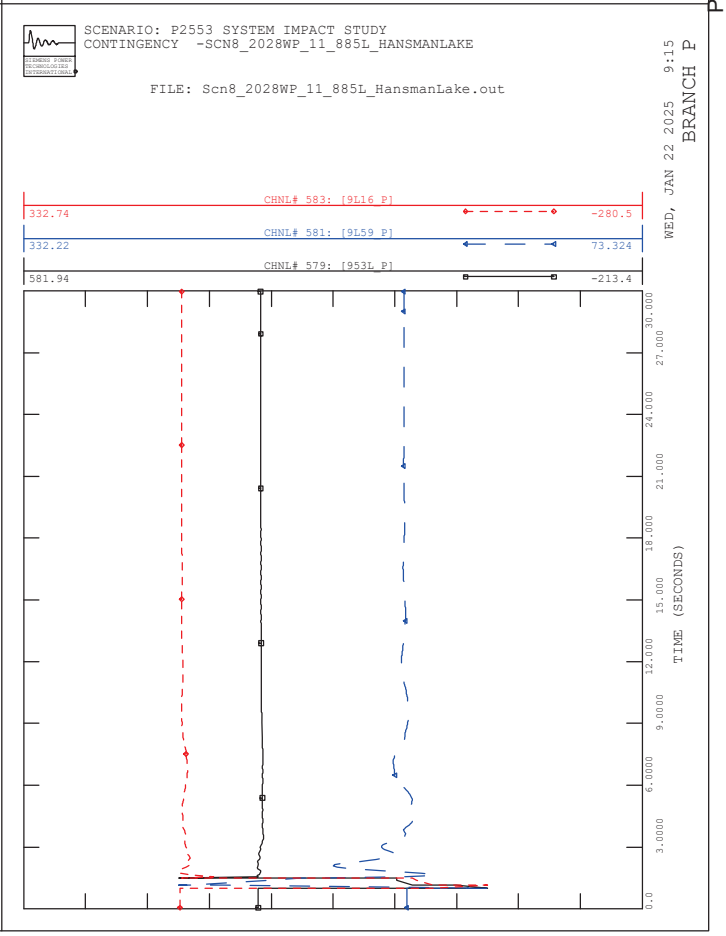
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CONTINGENCY -SCN8_2028WP_11_885L_HANSMANLAKE
FILE: Scn8_2028WP_11_885L_HansmanLake.out
CHNL# 583: [9L16 P]
332.74
-280.5
CHNL# 581: [9L59 P]
332.22
73.324
CHNL# 579: [953L P]
581.94
-213.4
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TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_12_1047L_NILREM

FILE: Scn8_2028WP_12_1047L_Nilrem.out

WED, JAN 22 2025 9:15

ACTIVE POWER

CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.4887 -0.1333

CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.5037 -0.1333

CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
2.1066 0.97520

CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
2.1864 0.91750

CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.9620 0.22280

CHNL# 190: [POWR 1496[BAT #4 16.000]4]
1.1206 -0.3714

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_12_1047L_NILREM

FILE: Scn8_2028WP_12_1047L_Nilrem.out

WED, JAN 22 2025 9:15

TERMINAL VOLTAGE

CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.6467 0.10830

CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.6471 0.10830

CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.2066 0.69250

CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1954 0.70690

CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1874 0.66760

CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1314 0.67050

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TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_12_1047L_NILREM

FILE: Scn8_2028WP_12_1047L_Nilrem.out

WED, JAN 22 2025 9:15

ROTOR ANGLE

CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
55.812 -51.90

CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
53.863 -53.95

CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
35.505 -70.53

CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
32.415 -74.23

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TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_12_1047L_NILREM

FILE: Scn8_2028WP_12_1047L_Nilrem.out

WED, JAN 22 2025 9:15

REACTIVE POWER

CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.6935 -0.5352

CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.7015 -0.5379

CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
4.7860 -0.4875

CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
5.2262 -1.074

CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
5.8418 -1.474

CHNL# 277: [VARS 1496[BAT #4 16.000]4]
3.1727 -1.603

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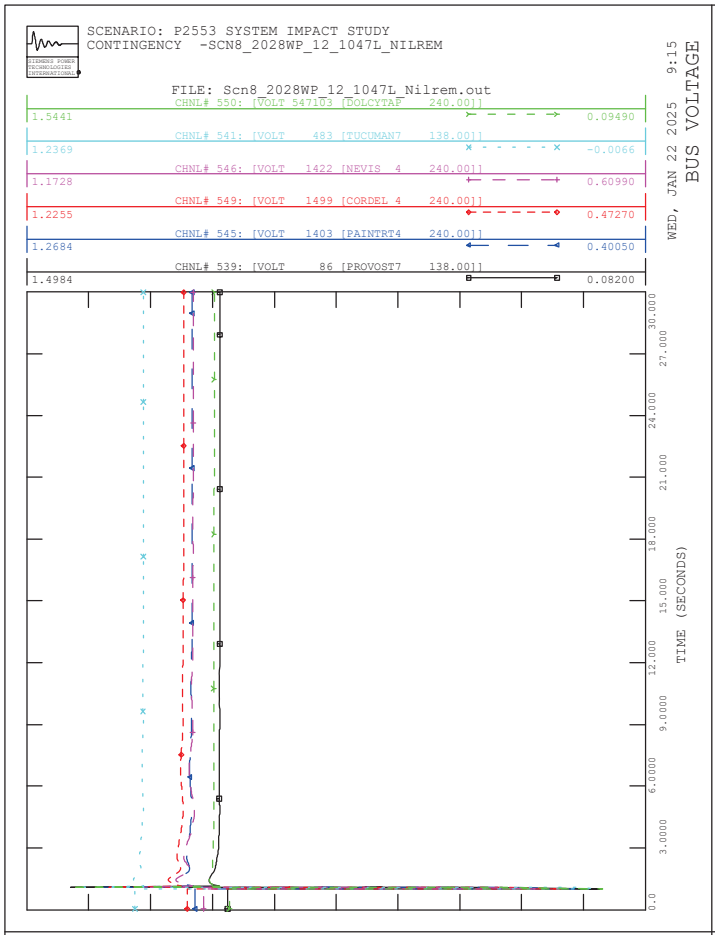
TIME (SECONDS)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CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.2369
-0.0066
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.1728
0.60990
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2255
0.47270
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.2684
0.40050
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
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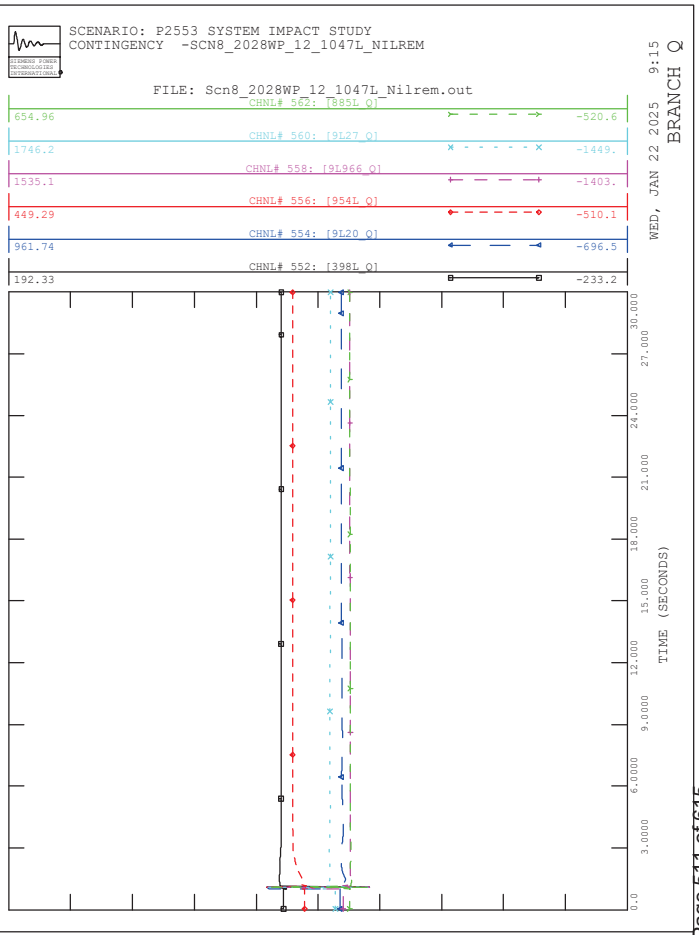
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CHNL# 560: [9L27 Q]
1746.2
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CHNL# 558: [9L966 Q]
1535.1
-1403.
CHNL# 556: [954L Q]
449.29
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CHNL# 554: [9L20 Q]
961.74
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CHNL# 552: [398L Q]
192.33
-233.2
WED, JAN 22 2025 9:15
BRANCH Q
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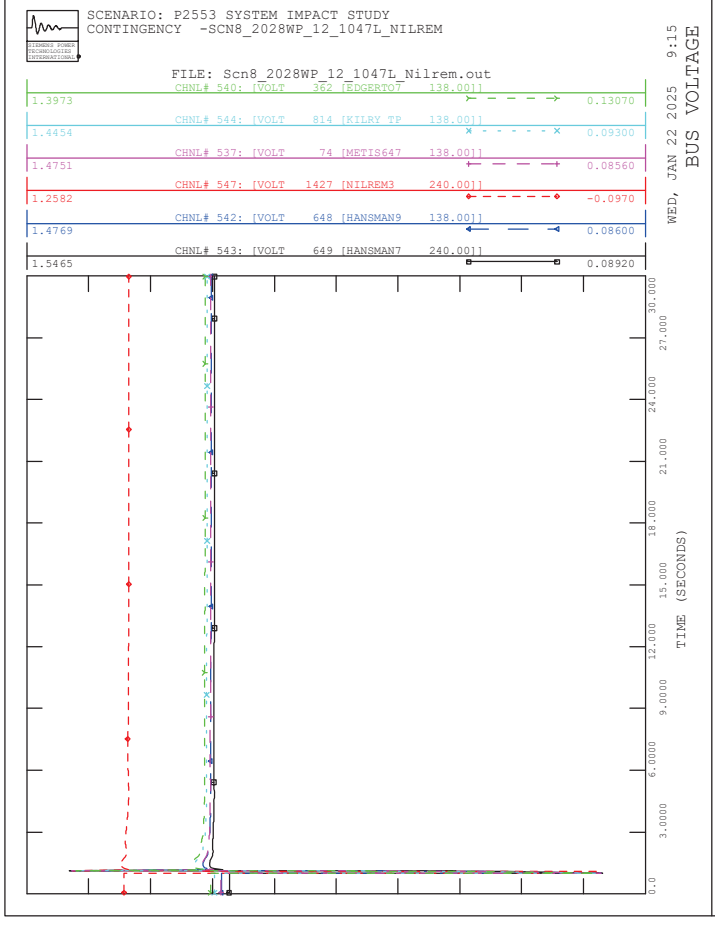
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CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
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0.09300
CHNL# 537: [VOLT 74 [METIS647 138.00]]
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0.08560
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
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-0.0970
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
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WED, JAN 22 2025 9:15
BUS VOLTAGE
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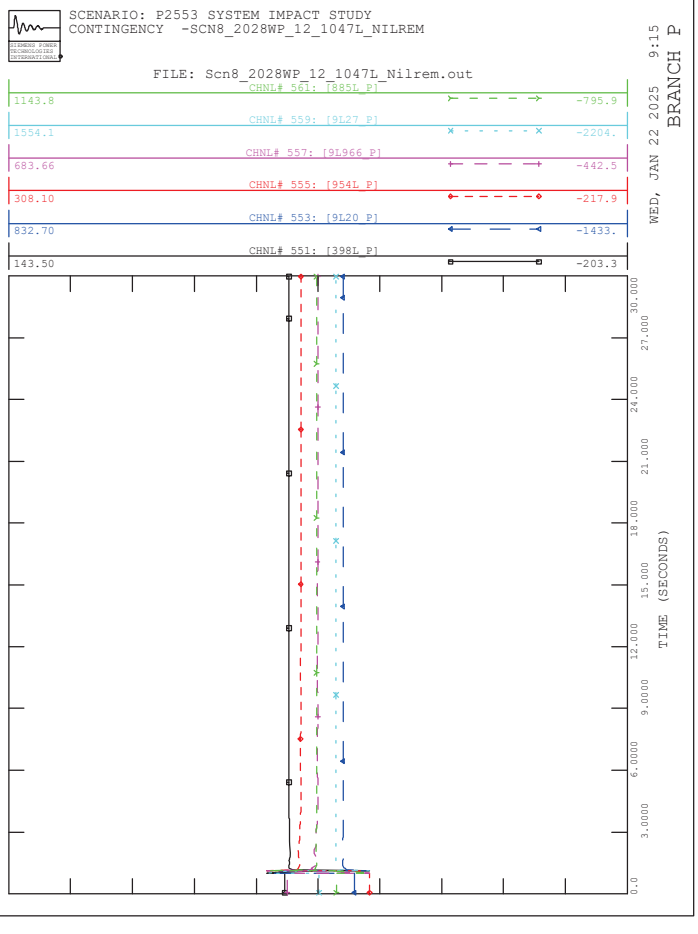
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CHNL# 559: [9L27 P]
1554.1
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CHNL# 557: [9L966 P]
683.66
-442.5
CHNL# 555: [954L P]
308.10
-217.9
CHNL# 553: [9L20 P]
832.70
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CHNL# 551: [398L P]
143.50
-203.3
WED, JAN 22 2025 9:15
BRANCH P
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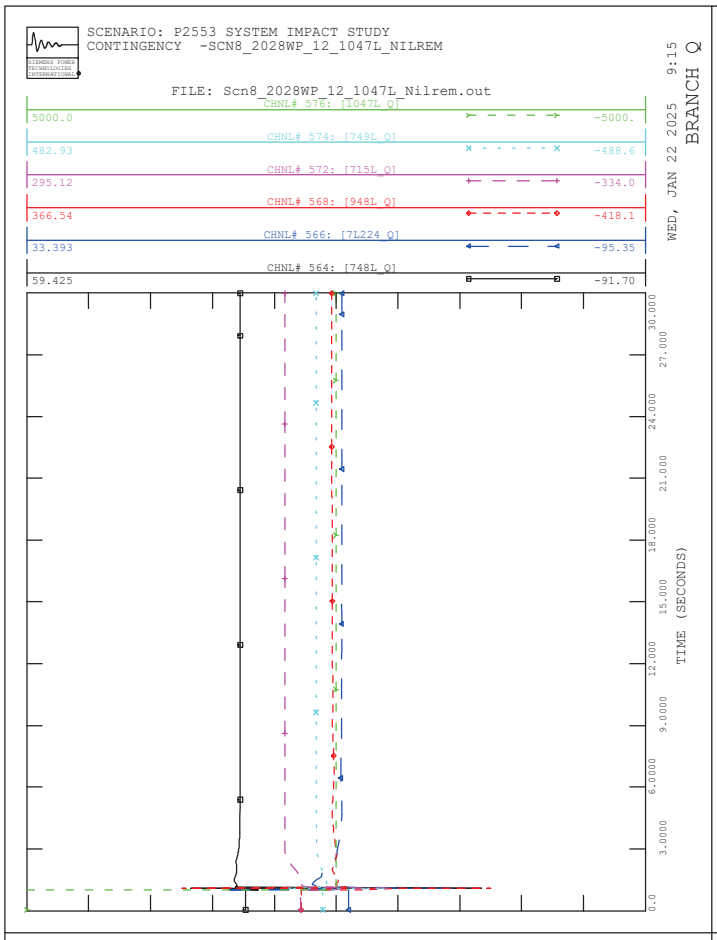
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CHNL# 572: [715L Q]
295.12
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CHNL# 568: [948L Q]
366.54
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CHNL# 566: [7L224 Q]
33.393
-95.35
CHNL# 564: [748L Q]
59.425
-91.70
BRANCH Q
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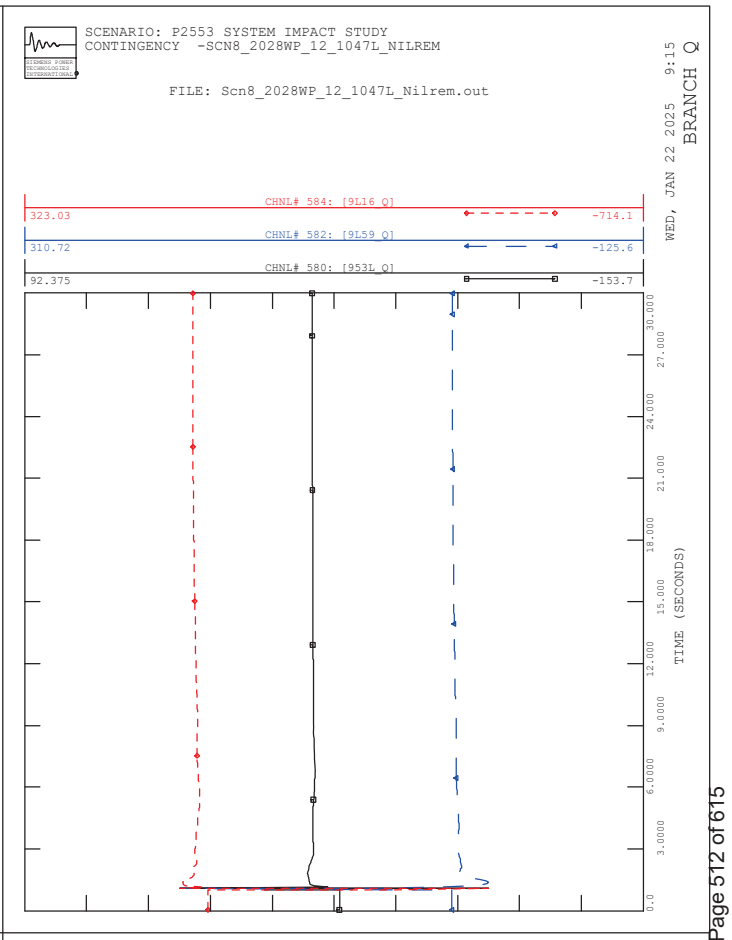
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323.03
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CHNL# 582: [9L59 Q]
310.72
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CHNL# 580: [953L Q]
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-153.7
BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
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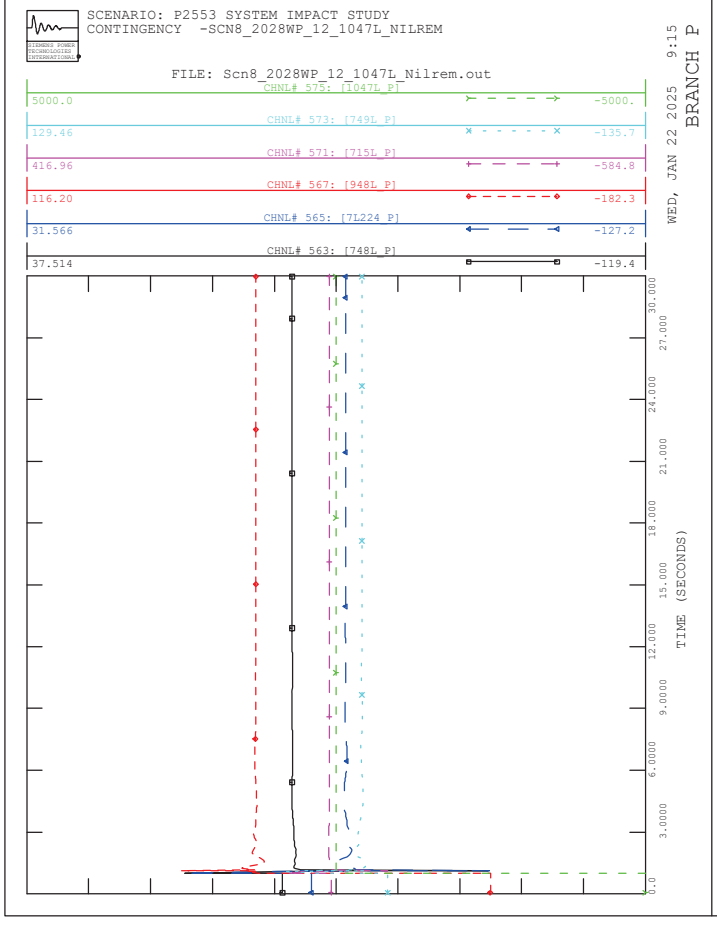
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CHNL# 571: [715L P]
416.96
-584.8
CHNL# 567: [948L P]
116.20
-182.3
CHNL# 565: [7L224 P]
31.566
-127.2
CHNL# 563: [748L P]
37.514
-119.4
BRANCH P
WED, JAN 22 2025 9:15
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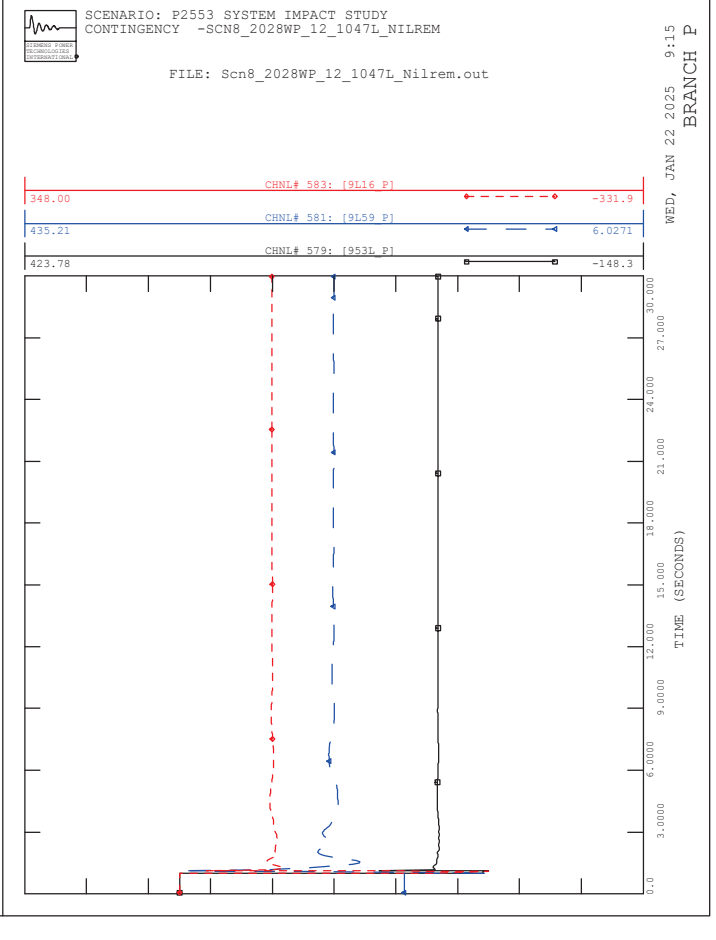
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CHNL# 581: [9L59 P]
435.21
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CHNL# 579: [953L P]
423.78
-148.3
BRANCH P
WED, JAN 22 2025 9:15
TIME (SECONDS)
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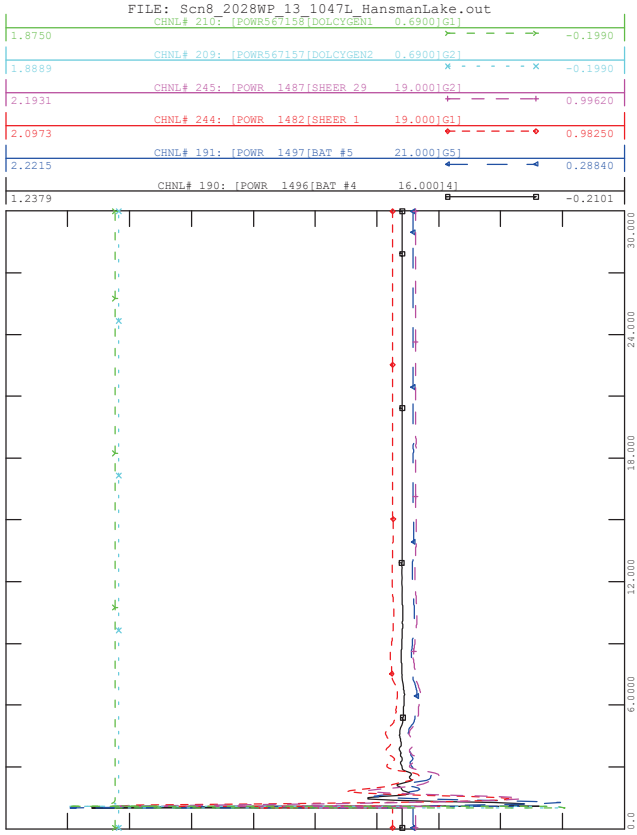
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_13_1047L_HANSMANLAKE

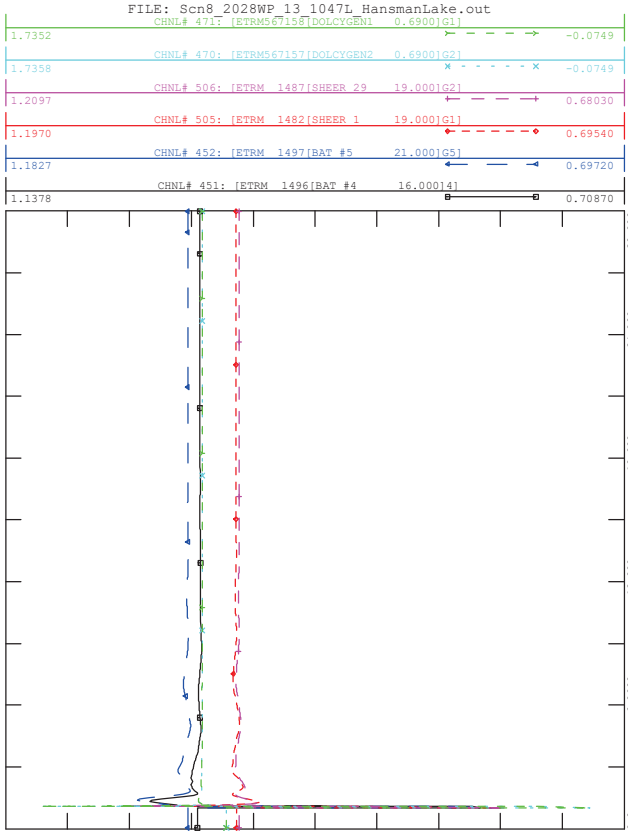
FILE: Scn8_2028WP_13_1047L_HansmanLake.out



WED, JAN 22 2025 9:15
ACTIVE POWER

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_13_1047L_HANSMANLAKE

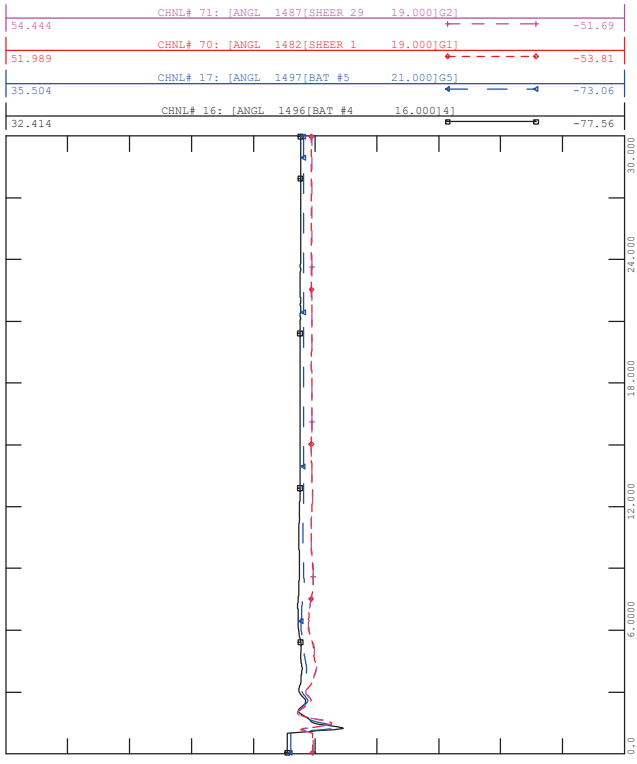
FILE: Scn8_2028WP_13_1047L_HansmanLake.out



WED, JAN 22 2025 9:15
TERMINAL VOLTAGE

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_13_1047L_HANSMANLAKE

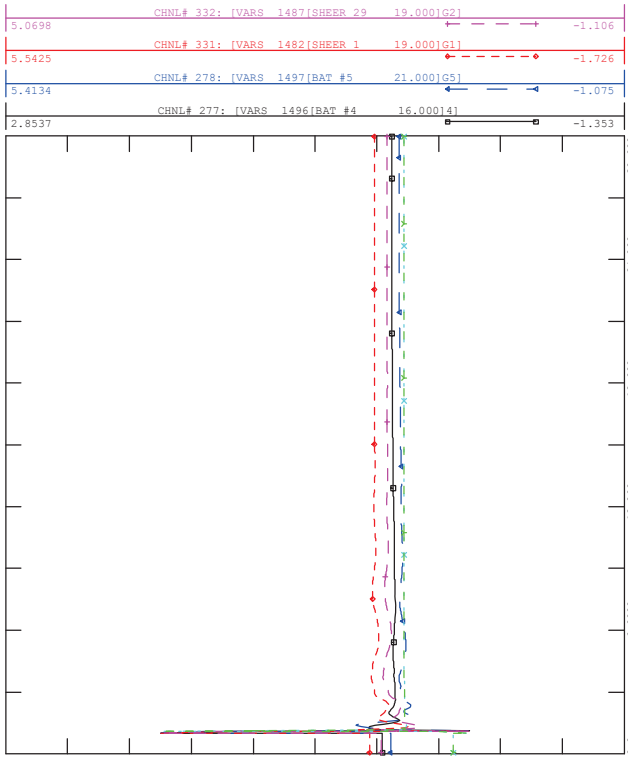
FILE: Scn8_2028WP_13_1047L_HansmanLake.out



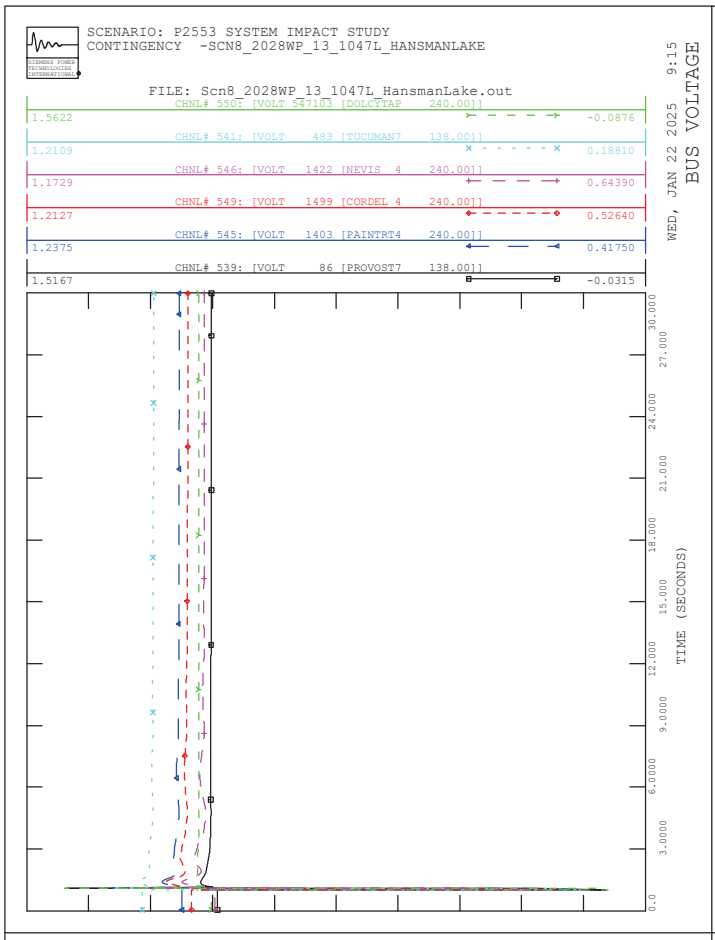
WED, JAN 22 2025 9:15
ROTOR ANGLE

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_13_1047L_HANSMANLAKE

FILE: Scn8_2028WP_13_1047L_HansmanLake.out



WED, JAN 22 2025 9:15
REACTIVE POWER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CONTINGENCY -SCN8_2028WP_13_1047L_HANSMANLAKE
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1.5622
-0.0876
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.2109
0.18810
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.1729
0.64390
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2127
0.52640
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.2375
0.41750
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.5167
-0.0315
BUS VOLTAGE
WED, JAN 22 2025 9:15
TIME (SECONDS)
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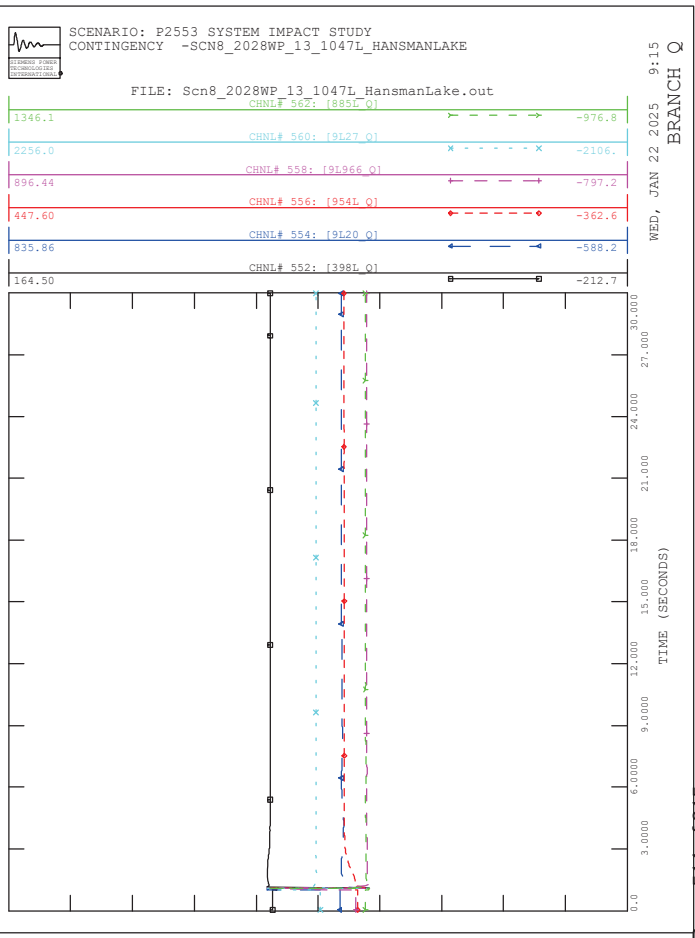
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_13_1047L_HANSMANLAKE
FILE: Scn8_2028WP_13_1047L_HansmanLake.out
CHNL# 562: [885L_Q]
1346.1
-976.8
CHNL# 560: [9L27_Q]
2256.0
-2106.
CHNL# 558: [9L966_Q]
896.44
-797.2
CHNL# 556: [954L_Q]
447.60
-362.6
CHNL# 554: [9L20_Q]
835.86
-588.2
CHNL# 552: [398L_Q]
164.50
-212.7
BRANCH Q
WED, JAN 22 2025 9:15
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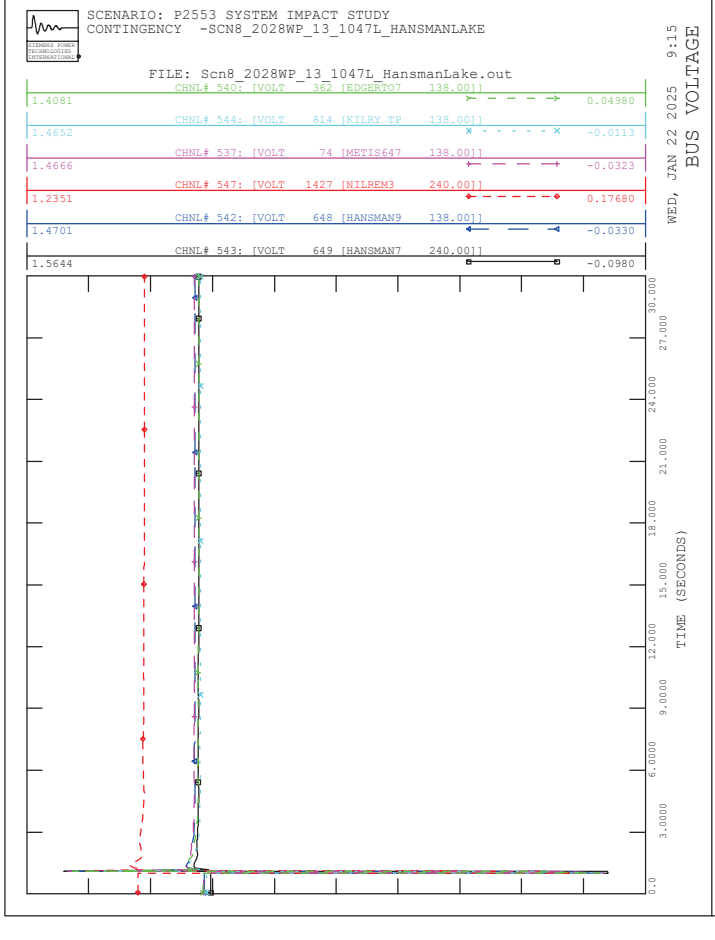
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CONTINGENCY -SCN8_2028WP_13_1047L_HANSMANLAKE
FILE: Scn8_2028WP_13_1047L_HansmanLake.out
CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.4081
0.04980
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.4652
-0.0113
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.4666
-0.0323
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.2351
0.17680
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.4701
-0.0330
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.5644
-0.0980
BUS VOLTAGE
WED, JAN 22 2025 9:15
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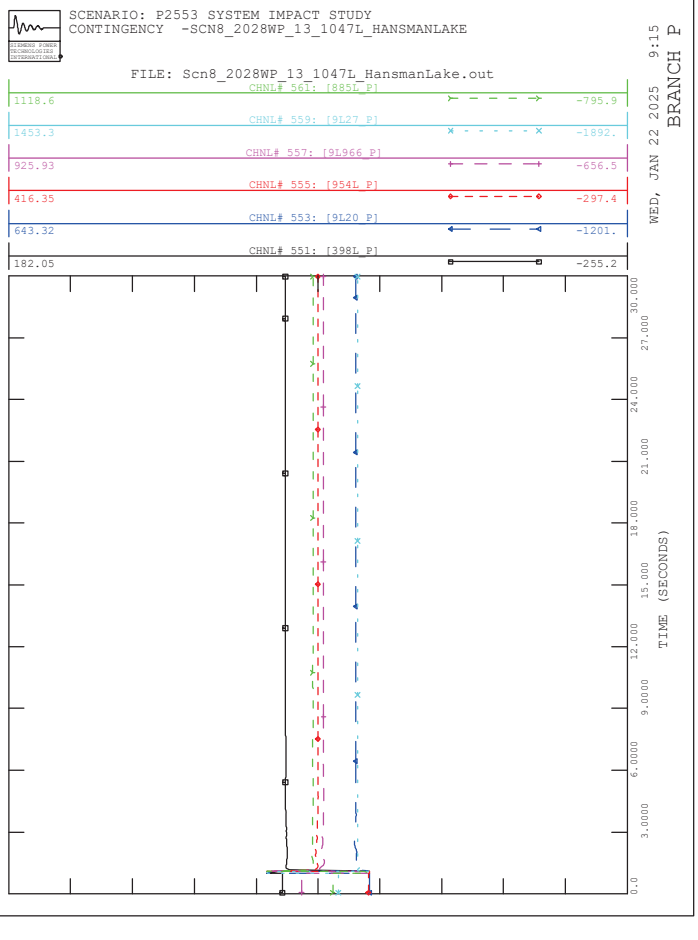
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CONTINGENCY -SCN8_2028WP_13_1047L_HANSMANLAKE
FILE: Scn8_2028WP_13_1047L_HansmanLake.out
CHNL# 561: [885L_P]
1118.6
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CHNL# 559: [9L27_P]
1453.3
-1892.
CHNL# 557: [9L966_P]
925.93
-656.5
CHNL# 555: [954L_P]
416.35
-297.4
CHNL# 553: [9L20_P]
643.32
-1201.
CHNL# 551: [398L_P]
182.05
-255.2
BRANCH P
WED, JAN 22 2025 9:15
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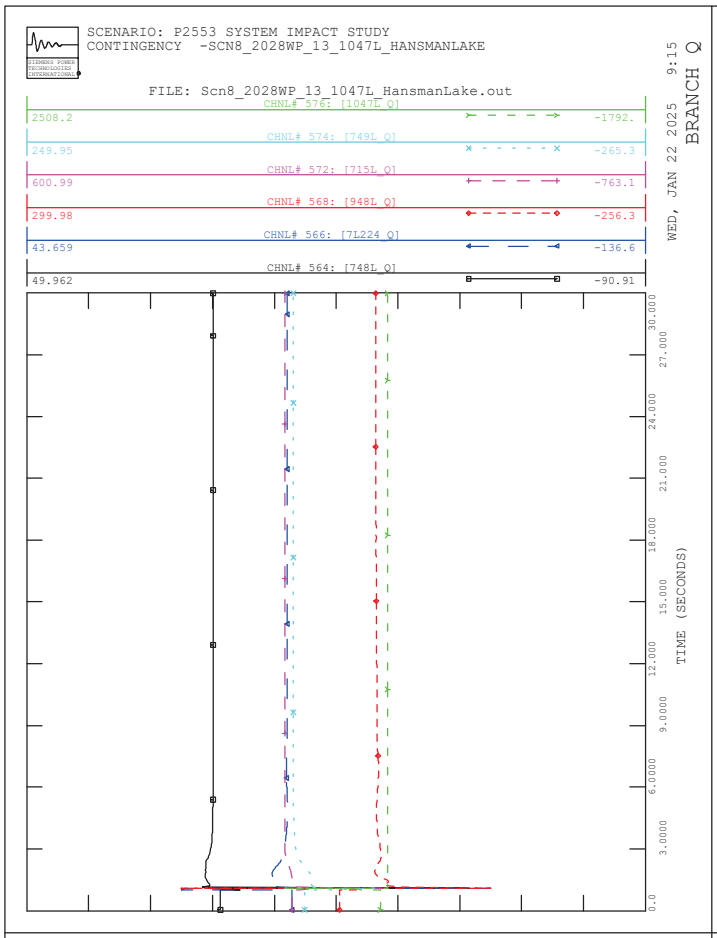
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CONTINGENCY -SCN8_2028WP_13_1047L_HANSMANLAKE
FILE: Scn8_2028WP_13_1047L_HansmanLake.out
CHNL# 576: [1047L Q]
2508.2
-1792.
CHNL# 574: [749L Q]
249.95
-265.3
CHNL# 572: [715L Q]
600.99
-763.1
CHNL# 568: [948L Q]
299.98
-256.3
CHNL# 566: [7L224 Q]
43.659
-136.6
CHNL# 564: [748L Q]
49.962
-90.91
WED, JAN 22 2025 9:15
BRANCH Q
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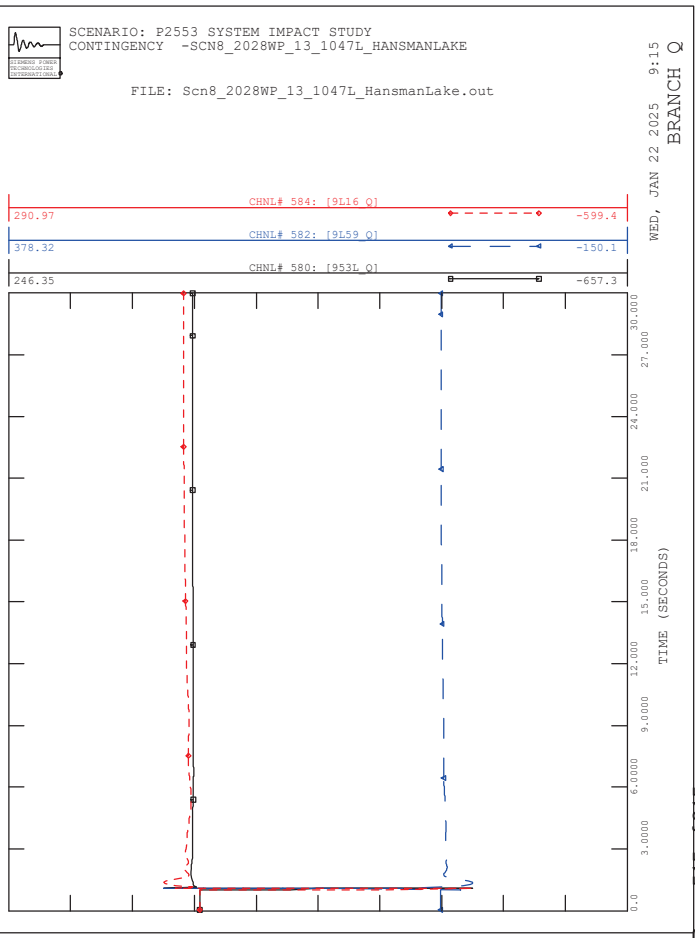
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CONTINGENCY -SCN8_2028WP_13_1047L_HANSMANLAKE
FILE: Scn8_2028WP_13_1047L_HansmanLake.out
CHNL# 584: [9L16 Q]
290.97
-599.4
CHNL# 582: [9L59 Q]
378.32
-150.1
CHNL# 580: [953L Q]
246.35
-657.3
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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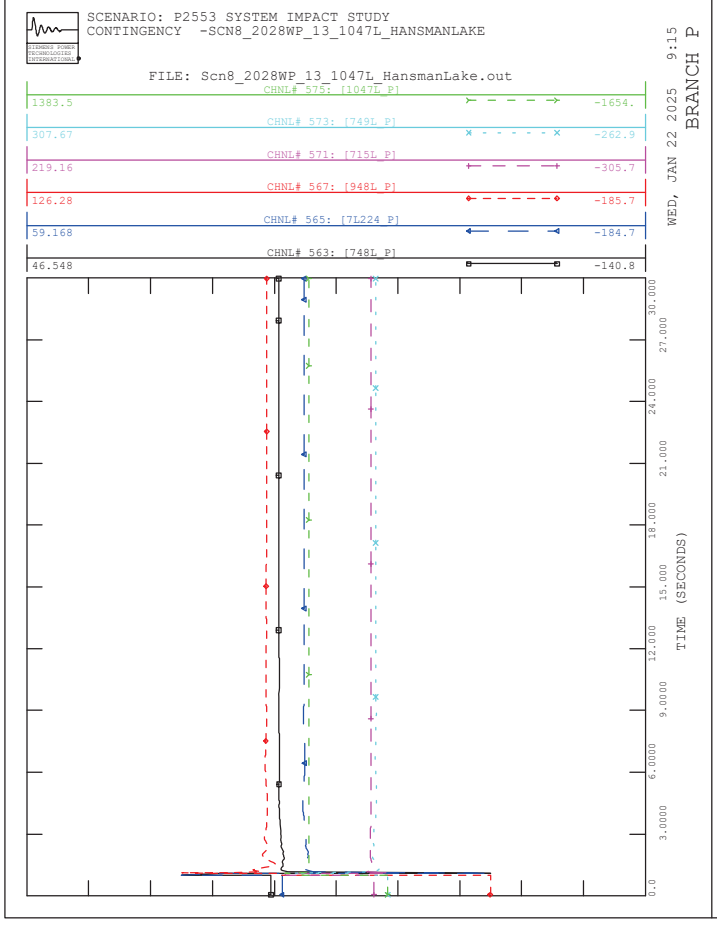
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_13_1047L_HANSMANLAKE
FILE: Scn8_2028WP_13_1047L_HansmanLake.out
CHNL# 575: [1047L P]
1383.5
-1654.
CHNL# 573: [749L P]
307.67
-262.9
CHNL# 571: [715L P]
219.16
-305.7
CHNL# 567: [948L P]
126.28
-185.7
CHNL# 565: [7L224 P]
59.168
-184.7
CHNL# 563: [748L P]
46.548
-140.8
WED, JAN 22 2025 9:15
BRANCH P
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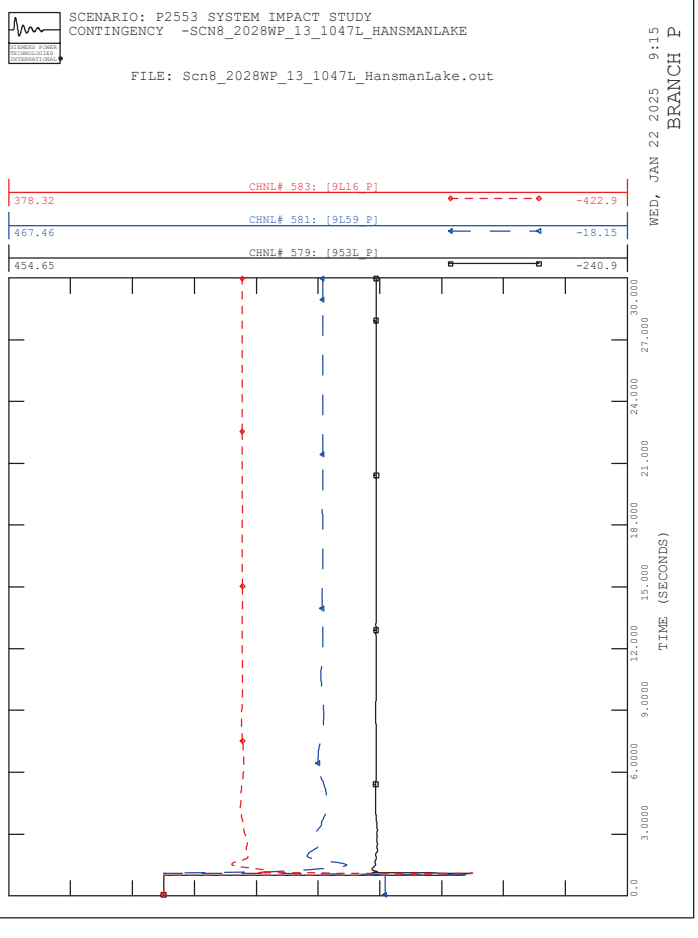
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_13_1047L_HANSMANLAKE
FILE: Scn8_2028WP_13_1047L_HansmanLake.out
CHNL# 583: [9L16 P]
378.32
-422.9
CHNL# 581: [9L59 P]
467.46
-18.15
CHNL# 579: [953L P]
454.65
-240.9
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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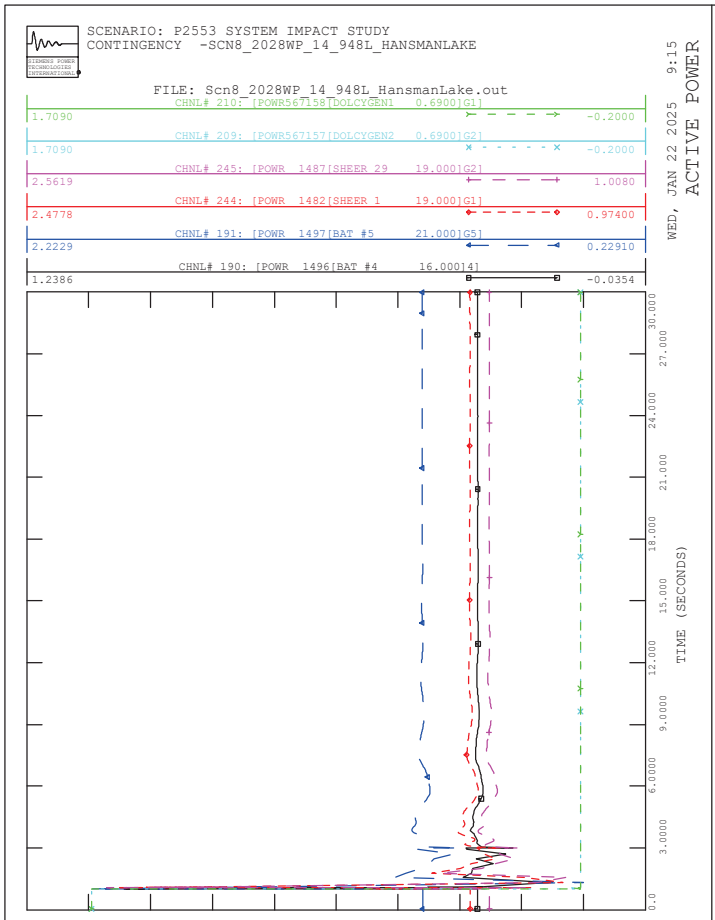
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_14_948L_HANSMANLAKE
FILE: Scn8_2028WP_14_948L_HansmanLake.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
1.7090
-0.2000
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
1.7090
-0.2000
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
2.5619
1.0080
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
2.4778
0.97400
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
2.2229
0.22910
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
1.2386
-0.0354
0.0
3.0000
6.0000
9.0000
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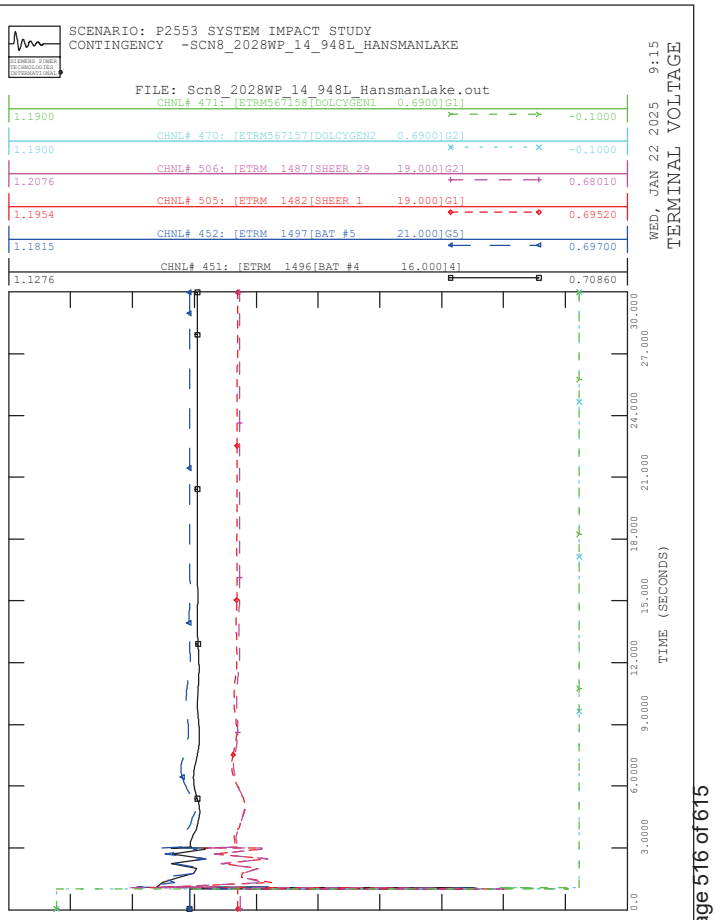
TIME (SECONDS)
WED, JAN 22 2025 9:15
ACTIVE POWER


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_14_948L_HANSMANLAKE
FILE: Scn8_2028WP_14_948L_HansmanLake.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.1900
-0.1000
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.1900
-0.1000
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.2076
0.68010
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1954
0.69520
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1815
0.69700
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1276
0.70860
0.0
3.0000
6.0000
9.0000
12.000
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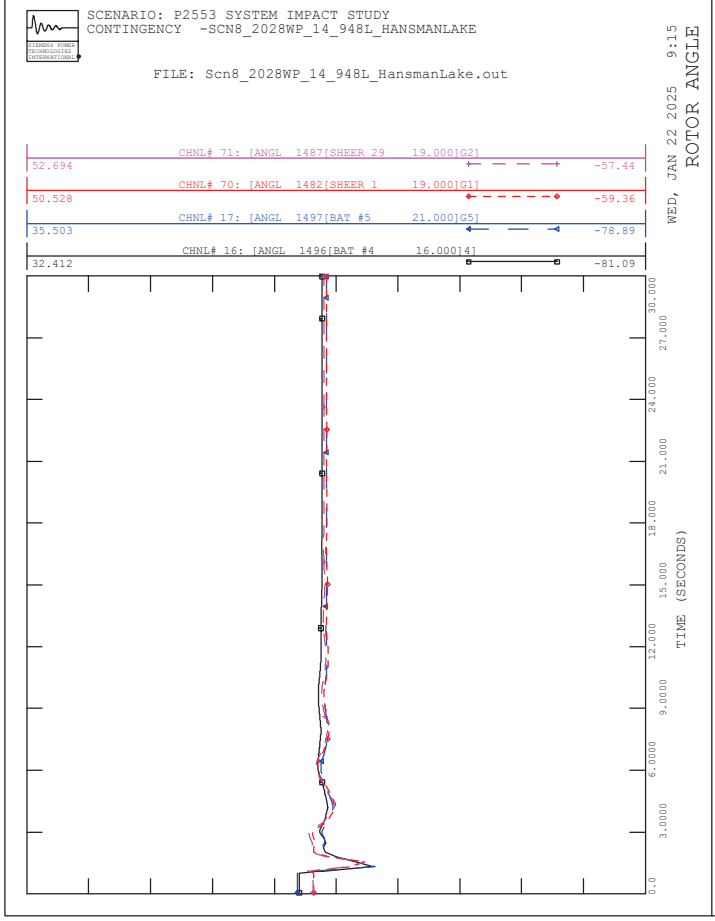
TIME (SECONDS)
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_14_948L_HANSMANLAKE
FILE: Scn8_2028WP_14_948L_HansmanLake.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
52.694
-57.44
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
50.528
-59.36
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
35.503
-78.89
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
32.412
-81.09
0.0
3.0000
6.0000
9.0000
12.000
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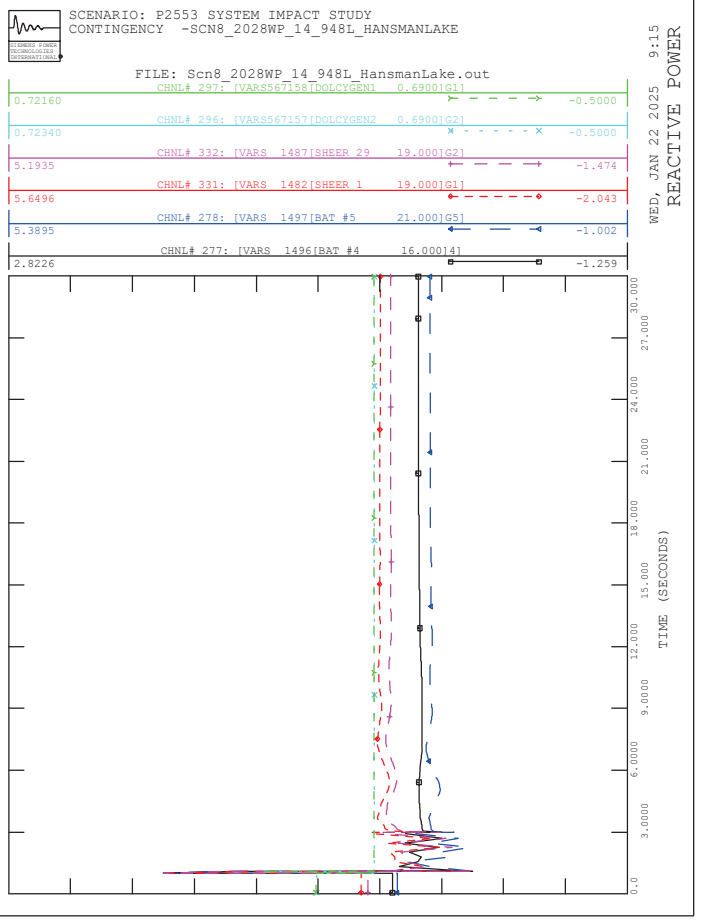
TIME (SECONDS)
WED, JAN 22 2025 9:15
ROTOR ANGLE


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_14_948L_HANSMANLAKE
FILE: Scn8_2028WP_14_948L_HansmanLake.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
0.72160
-0.5000
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
0.72340
-0.5000
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
5.1935
-1.474
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
5.6496
-2.043
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
5.3895
-1.002
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
2.8226
-1.259
0.0
3.0000
6.0000
9.0000
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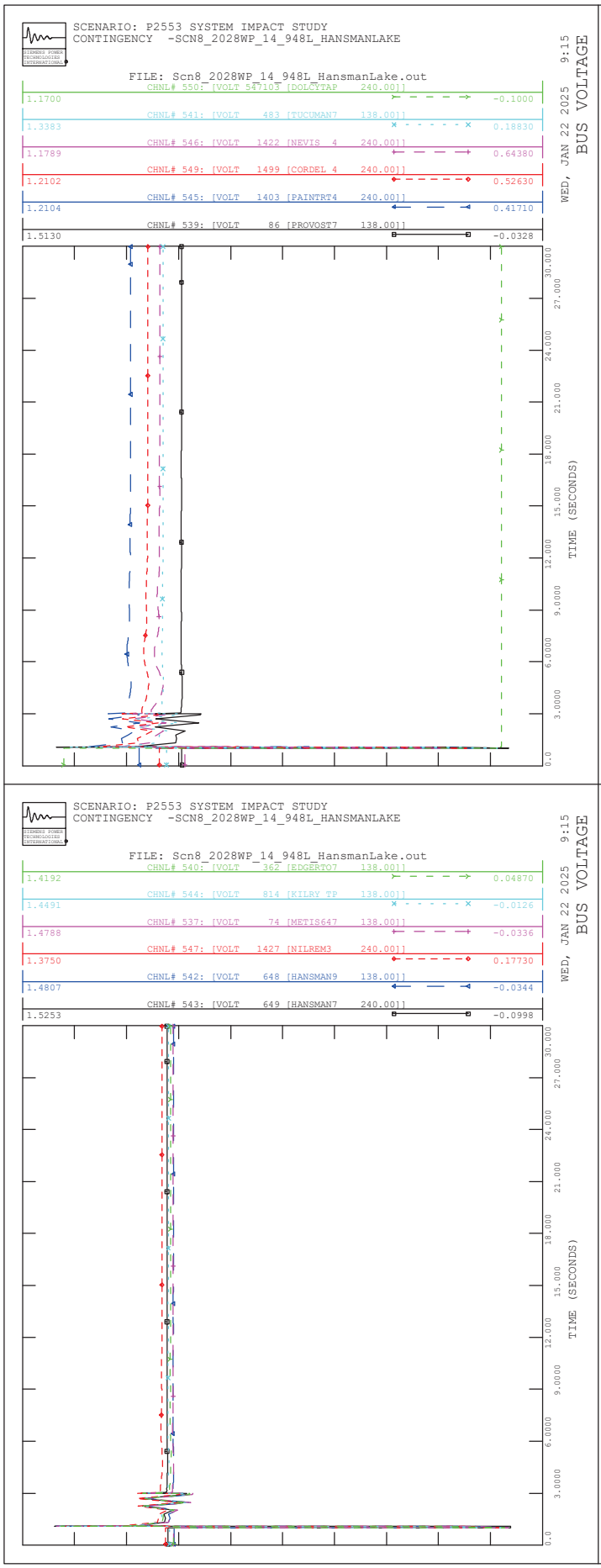
TIME (SECONDS)
WED, JAN 22 2025 9:15
REACTIVE POWER


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_14_948L_HANSMANLAKE
FILE: Scn8_2028WP_14_948L_HansmanLake.out
CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.1700
-0.1000
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.3383
0.18830
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.1789
0.64380
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2102
0.52630
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.2104
0.41710
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.5130
-0.0328
BUS VOLTAGE
WED, JAN 22 2025 9:15
TIME (SECONDS)
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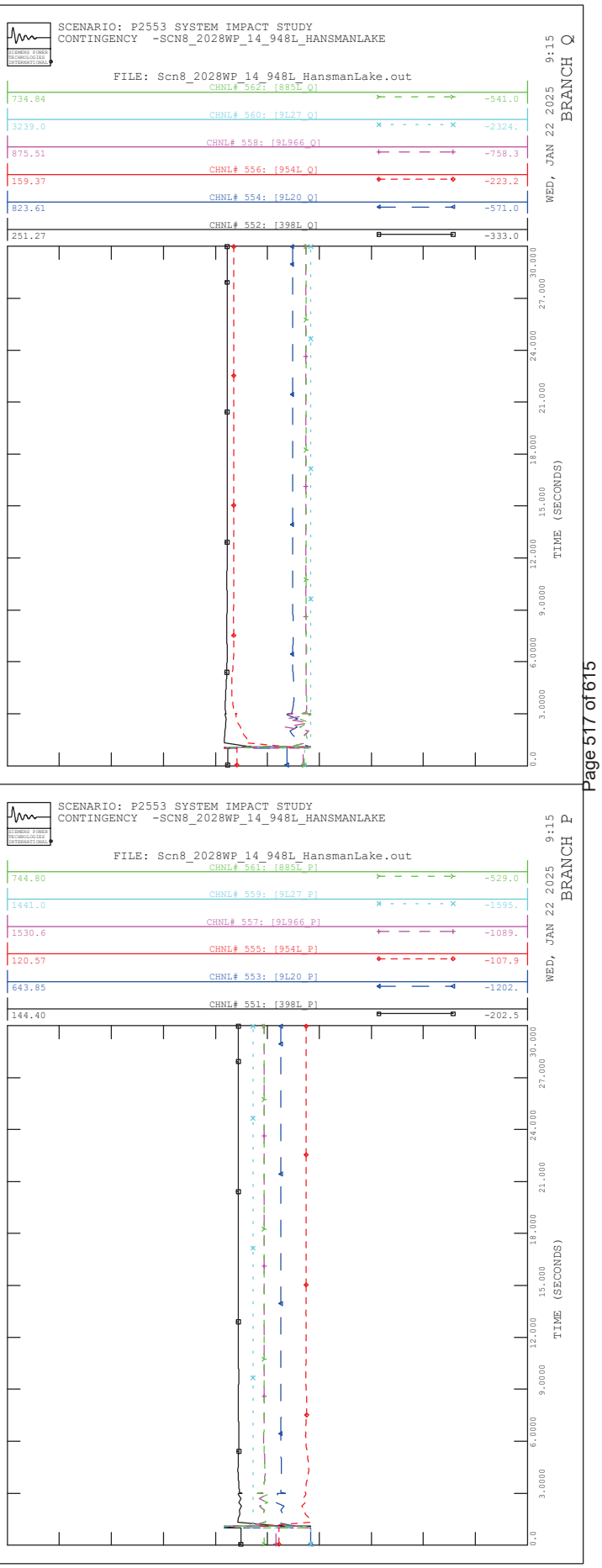
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_14_948L_HANSMANLAKE
FILE: Scn8_2028WP_14_948L_HansmanLake.out
CHNL# 562: [885L Q]
734.84
-541.0
CHNL# 560: [9L27 Q]
3239.0
-2324.
CHNL# 558: [9L966 Q]
875.51
-758.3
CHNL# 556: [954L Q]
159.37
-223.2
CHNL# 554: [9L20 Q]
823.61
-571.0
CHNL# 552: [398L Q]
251.27
-333.0
BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_14_948L_HANSMANLAKE
FILE: Scn8_2028WP_14_948L_HansmanLake.out
CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.4192
0.04870
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.4491
-0.0126
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.4788
-0.0336
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.3750
0.17730
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.4807
-0.0344
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.5253
-0.0998
BUS VOLTAGE
WED, JAN 22 2025 9:15
TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_14_948L_HANSMANLAKE
FILE: Scn8_2028WP_14_948L_HansmanLake.out
CHNL# 561: [885L P]
744.80
-529.0
CHNL# 559: [9L27 P]
1441.0
-1595.
CHNL# 557: [9L966 P]
1530.6
-1089.
CHNL# 555: [954L P]
120.57
-107.9
CHNL# 553: [9L20 P]
643.85
-1202.
CHNL# 551: [398L P]
144.40
-202.5
BRANCH P
WED, JAN 22 2025 9:15
TIME (SECONDS)
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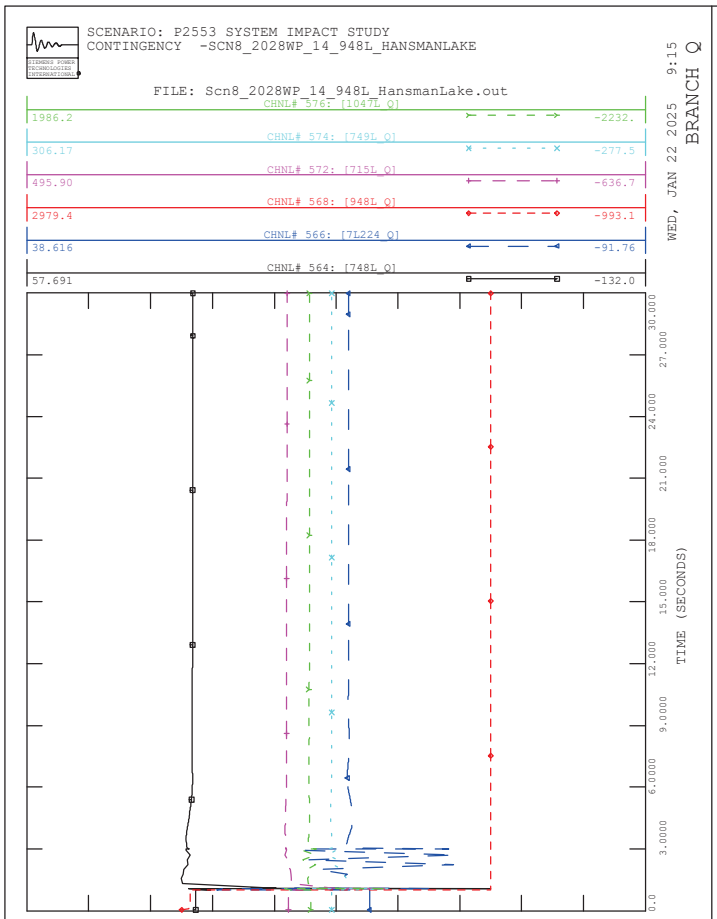
SCENARIO: P2553 SYSTEM IMPACT STUDY
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FILE: Scn8_2028WP_14_948L_HansmanLake.out
CHNL# 576: [1047L Q]
1986.2
-2232.
CHNL# 574: [749L Q]
306.17
-277.5
CHNL# 572: [715L Q]
495.90
-636.7
CHNL# 568: [948L Q]
2979.4
-993.1
CHNL# 566: [7L224 Q]
38.616
-91.76
CHNL# 564: [748L Q]
57.691
-132.0
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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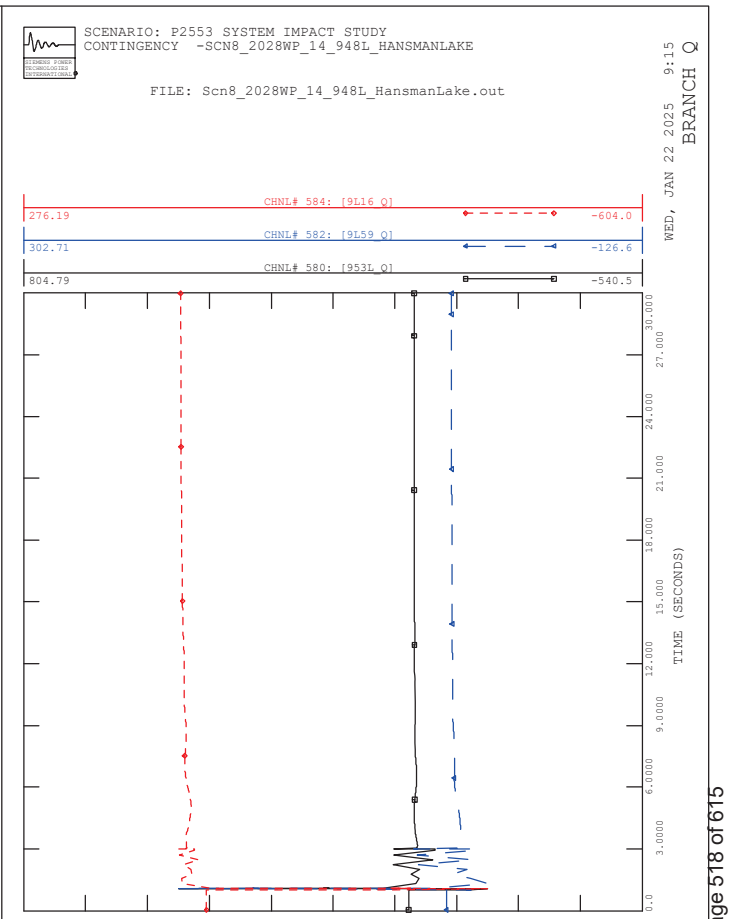
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CONTINGENCY -SCN8_2028WP_14_948L_HANSMANLAKE
FILE: Scn8_2028WP_14_948L_HansmanLake.out
CHNL# 584: [9L16 Q]
276.19
-604.0
CHNL# 582: [9L59 Q]
302.71
-126.6
CHNL# 580: [953L Q]
804.79
-540.5
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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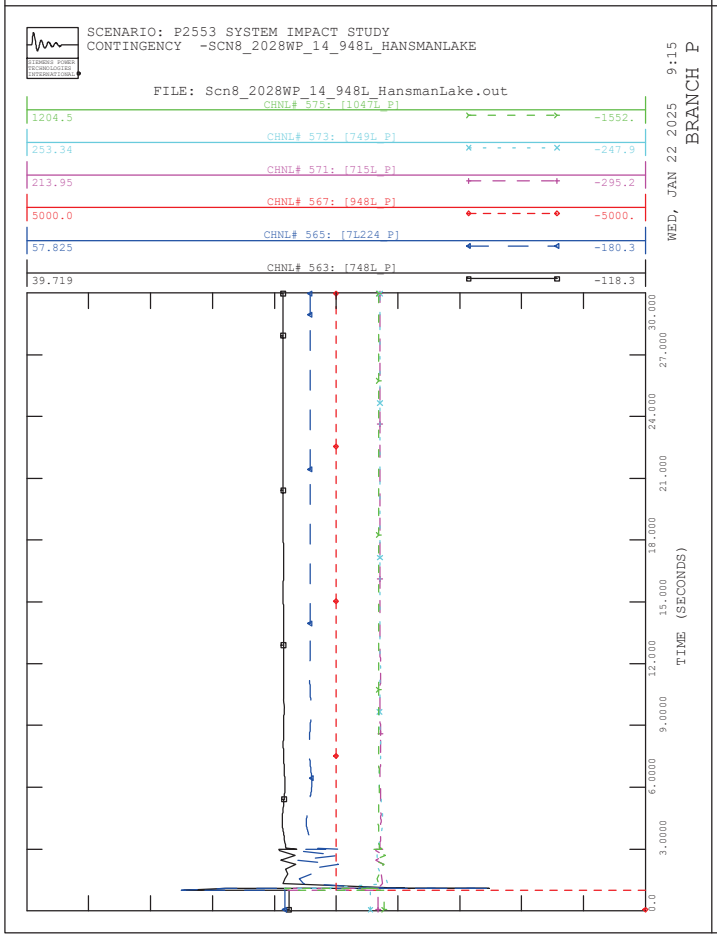
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CONTINGENCY -SCN8_2028WP_14_948L_HANSMANLAKE
FILE: Scn8_2028WP_14_948L_HansmanLake.out
CHNL# 575: [1047L P]
1204.5
-1552.
CHNL# 573: [749L P]
253.34
-247.9
CHNL# 571: [715L P]
213.95
-295.2
CHNL# 567: [948L P]
5000.0
-5000.
CHNL# 565: [7L224 P]
57.825
-180.3
CHNL# 563: [748L P]
39.719
-118.3
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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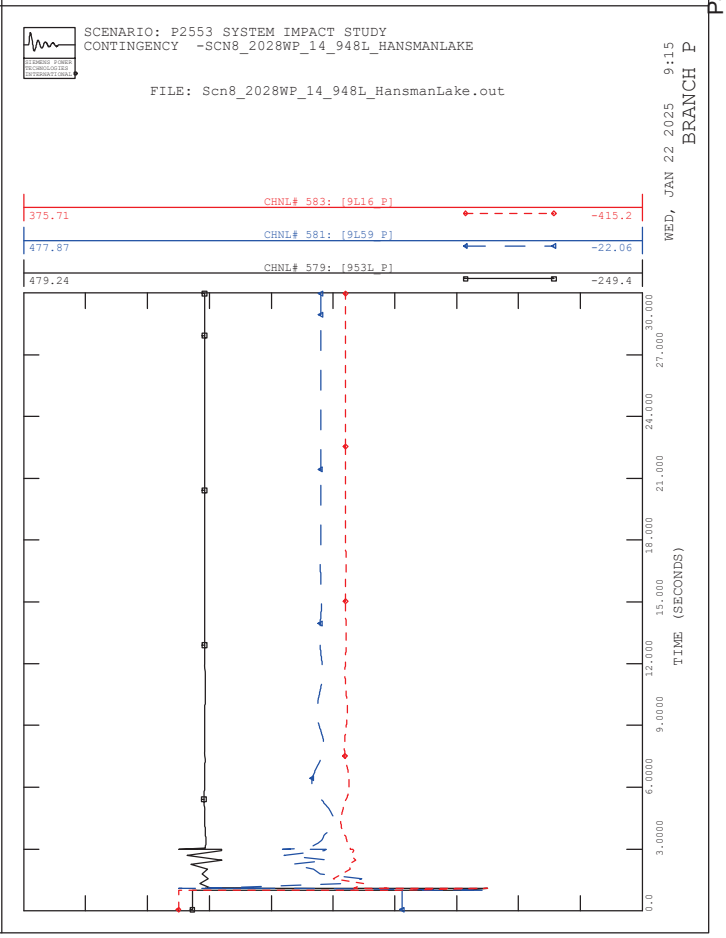
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_14_948L_HANSMANLAKE
FILE: Scn8_2028WP_14_948L_HansmanLake.out
CHNL# 583: [9L16 P]
375.71
-415.2
CHNL# 581: [9L59 P]
477.87
-22.06
CHNL# 579: [953L P]
479.24
-249.4
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_15_948L_PAINTEARTH

FILE: Scn8_2028WP_15_948L_Paintearth.out

WED, JAN 22 2025 9:15

ACTIVE POWER

CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
1.7092 -0.2000
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
1.7092 -0.2000
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
3.3274 -0.3726
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
3.3985 -0.4316
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.5937 0.36060
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.85020 -0.0380

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_15_948L_PAINTEARTH

FILE: Scn8_2028WP_15_948L_Paintearth.out

WED, JAN 22 2025 9:15

TERMINAL VOLTAGE

CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.1901 -0.1000
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.1901 -0.1000
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.2250 0.74090
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.2120 0.75240
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1630 0.56700
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1269 0.60890

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_15_948L_PAINTEARTH

FILE: Scn8_2028WP_15_948L_Paintearth.out

WED, JAN 22 2025 9:15

ROTOR ANGLE

CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
81.069 -64.64
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
78.533 -68.11
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
42.570 -82.04
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
38.214 -84.29

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_15_948L_PAINTEARTH

FILE: Scn8_2028WP_15_948L_Paintearth.out

WED, JAN 22 2025 9:15

REACTIVE POWER

CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
0.85730 -0.5000
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
0.85900 -0.5000
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
4.7582 -1.535
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
5.1118 -2.100
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
6.4940 -1.549
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
3.3757 -1.512

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_15_948L_PAINTEARTH

FILE: Scn8_2028WP_15_948L_Paintearth.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.1701 -0.1000

CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.2886 0.25850

CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.1591 0.51220

CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.1939 0.31410

CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.1941 -0.0906

CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.3843 0.20470

TIME (SECONDS)

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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_15_948L_PAINTEARTH

FILE: Scn8_2028WP_15_948L_Paintearth.out

WED, JAN 22 2025 9:15

BRANCH Q

CHNL# 562: [885L Q]
169.84 -129.9

CHNL# 560: [9L27 Q]
3371.3 -2419.

CHNL# 558: [9L966 Q]
1573.1 -1423.

CHNL# 556: [954L Q]
294.68 -394.5

CHNL# 554: [9L20 Q]
1155.6 -823.8

CHNL# 552: [398L Q]
77.371 -78.95

TIME (SECONDS)

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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_15_948L_PAINTEARTH

FILE: Scn8_2028WP_15_948L_Paintearth.out

WED, JAN 22 2025 9:15

BUS VOLTAGE

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.3264 0.23740

CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.3629 0.21160

CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.3712 0.21060

CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.3274 0.24970

CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.3719 0.21060

CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.4196 0.19770

TIME (SECONDS)

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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_15_948L_PAINTEARTH

FILE: Scn8_2028WP_15_948L_Paintearth.out

WED, JAN 22 2025 9:15

BRANCH P

CHNL# 561: [885L P]
636.30 -405.5

CHNL# 559: [9L27 P]
1454.2 -1604.

CHNL# 557: [9L966 P]
1298.1 -822.0

CHNL# 555: [954L P]
143.29 -166.4

CHNL# 553: [9L20 P]
922.06 -1441.

CHNL# 551: [398L P]
75.964 -113.7

TIME (SECONDS)

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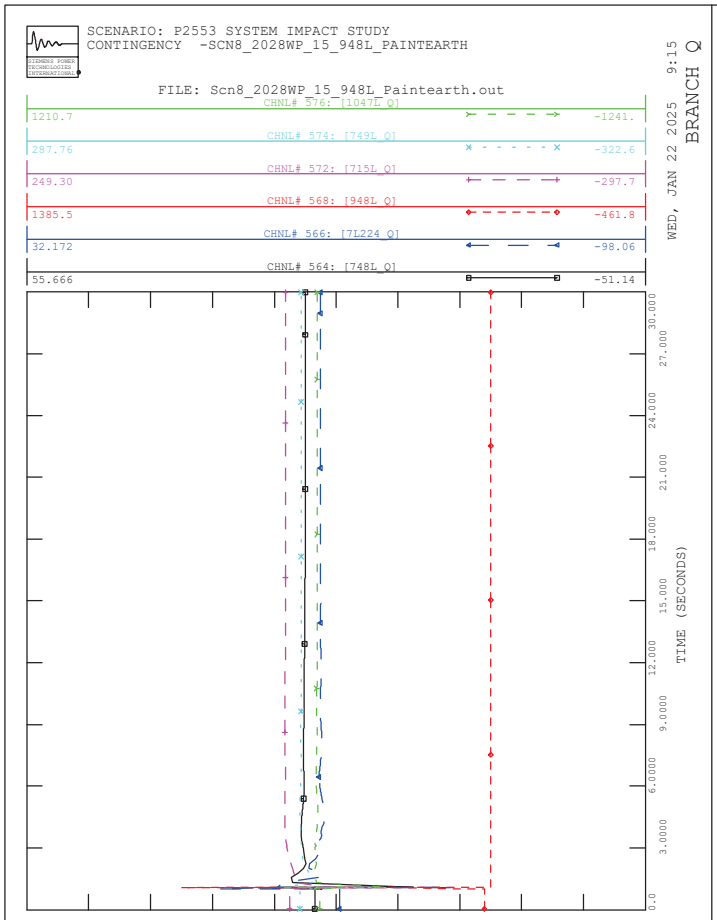
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CONTINGENCY -SCN8_2028WP_15_948L_PAINTEARTH
FILE: Scn8_2028WP_15_948L_Paintearth.out
CHNL# 576: [1047L Q]
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-1241.
CHNL# 574: [749L Q]
287.76
-322.6
CHNL# 572: [715L Q]
249.30
-297.7
CHNL# 568: [948L Q]
1385.5
-461.8
CHNL# 566: [7L224 Q]
32.172
-98.06
CHNL# 564: [748L Q]
55.666
-51.14
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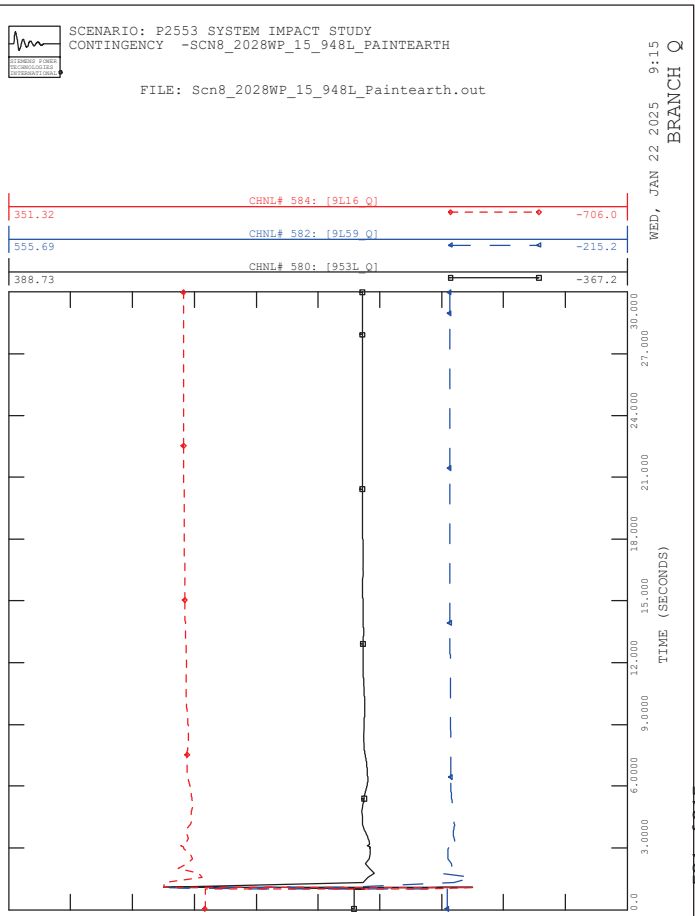
TIME (SECONDS)
WED, JAN 22 2025 9:15
BRANCH Q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CONTINGENCY -SCN8_2028WP_15_948L_PAINTEARTH
FILE: Scn8_2028WP_15_948L_Paintearth.out
CHNL# 584: [9L16 Q]
351.32
-706.0
CHNL# 582: [9L59 Q]
555.69
-215.2
CHNL# 580: [953L Q]
388.73
-367.2
0.0
3.0000
6.0000
9.0000
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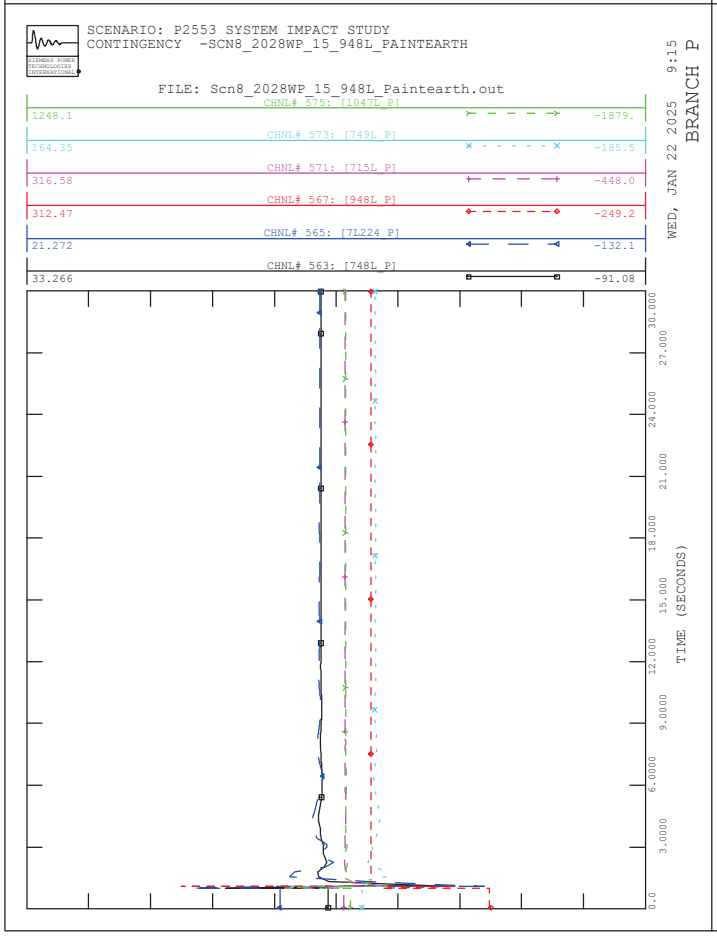
TIME (SECONDS)
WED, JAN 22 2025 9:15
BRANCH Q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CONTINGENCY -SCN8_2028WP_15_948L_PAINTEARTH
FILE: Scn8_2028WP_15_948L_Paintearth.out
CHNL# 575: [1047L P]
1248.1
-1879.
CHNL# 573: [749L P]
164.35
-185.5
CHNL# 571: [715L P]
316.58
-448.0
CHNL# 567: [948L P]
312.47
-249.2
CHNL# 565: [7L224 P]
21.272
-132.1
CHNL# 563: [748L P]
33.266
-91.08
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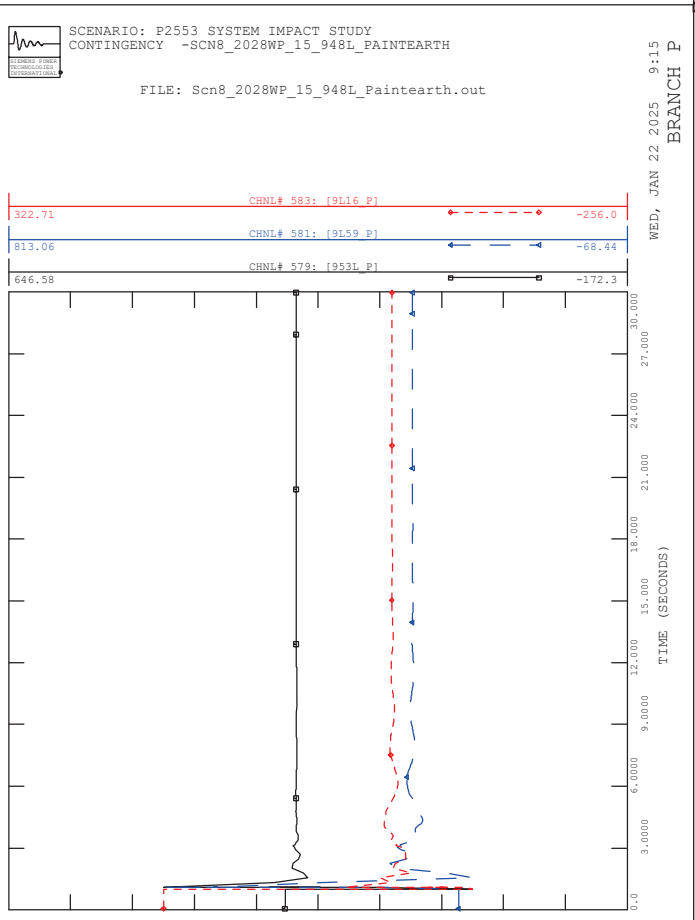
WED, JAN 22 2025 9:15
BRANCH P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CONTINGENCY -SCN8_2028WP_15_948L_PAINTEARTH
FILE: Scn8_2028WP_15_948L_Paintearth.out
CHNL# 583: [9L16 P]
322.71
-256.0
CHNL# 581: [9L59 P]
813.06
-68.44
CHNL# 579: [953L P]
646.58
-172.3
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30.000
TIME (SECONDS)
WED, JAN 22 2025 9:15
BRANCH P

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_16_715L_HANSMANLAKE

FILE: Scn8_2028WP_16_715L_HansmanLake.out

WED, JAN 22 2025 9:15

ACTIVE POWER

CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1] 2.4696 -0.0700
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2] 2.4845 -0.0700
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2] 2.5338 0.73690
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1] 2.4424 0.66970
CHNL# 191: [POWR 1497[BAT #5 21.000]G5] 2.0980 0.32560
CHNL# 190: [POWR 1496[BAT #4 16.000]4] 1.1653 -0.4016

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_16_715L_HANSMANLAKE

FILE: Scn8_2028WP_16_715L_HansmanLake.out

WED, JAN 22 2025 9:15

TERMINAL VOLTAGE

CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1] 1.6378 0.19070
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2] 1.6382 0.19070
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2] 1.2655 0.74080
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1] 1.2484 0.75190
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5] 1.2582 0.75240
CHNL# 451: [ETRM 1496[BAT #4 16.000]4] 1.1812 0.74940

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_16_715L_HANSMANLAKE

FILE: Scn8_2028WP_16_715L_HansmanLake.out

WED, JAN 22 2025 9:15

ROTOR ANGLE

CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2] 55.429 -55.87
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1] 52.745 -58.13
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5] 37.039 -72.81
CHNL# 16: [ANGL 1496[BAT #4 16.000]4] 33.596 -75.44

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_16_715L_HANSMANLAKE

FILE: Scn8_2028WP_16_715L_HansmanLake.out

WED, JAN 22 2025 9:15

REACTIVE POWER

CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1] 1.7663 -0.5479
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2] 1.7747 -0.5507
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2] 4.4893 -0.9110
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1] 4.8646 -1.674
CHNL# 278: [VARS 1497[BAT #5 21.000]G5] 5.2469 -2.138
CHNL# 277: [VARS 1496[BAT #4 16.000]4] 2.7063 -1.907

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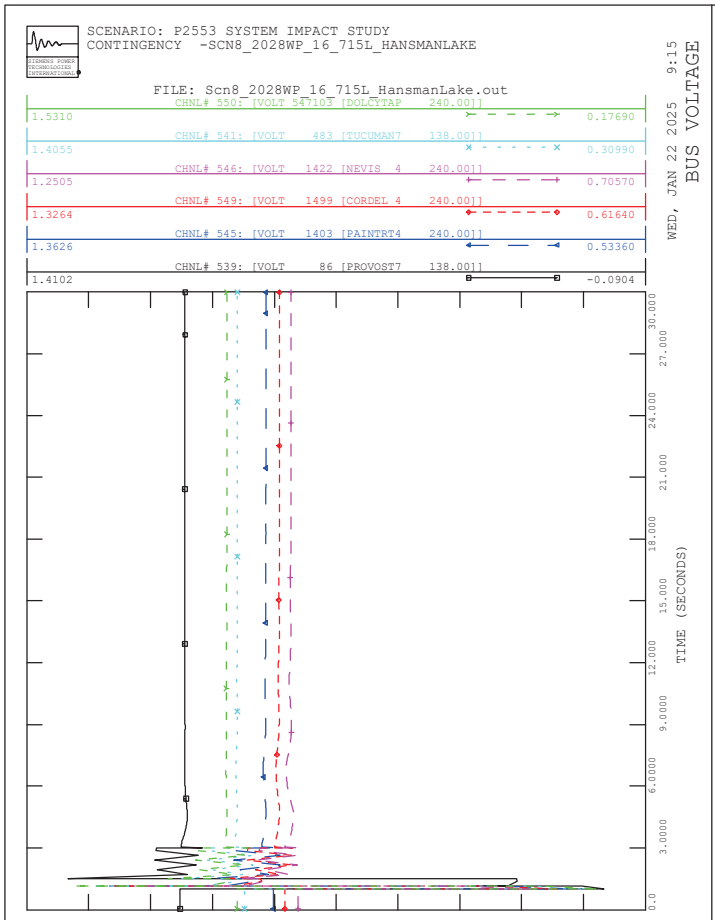
TIME (SECONDS)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CONTINGENCY -SCN8_2028WP_16_715L_HANSMANLAKE
FILE: Scn8_2028WP_16_715L_HansmanLake.out
CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.5310
0.17690
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.4055
0.30990
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.2505
0.70570
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.3264
0.61640
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.3626
0.53360
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.4102
-0.0904
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
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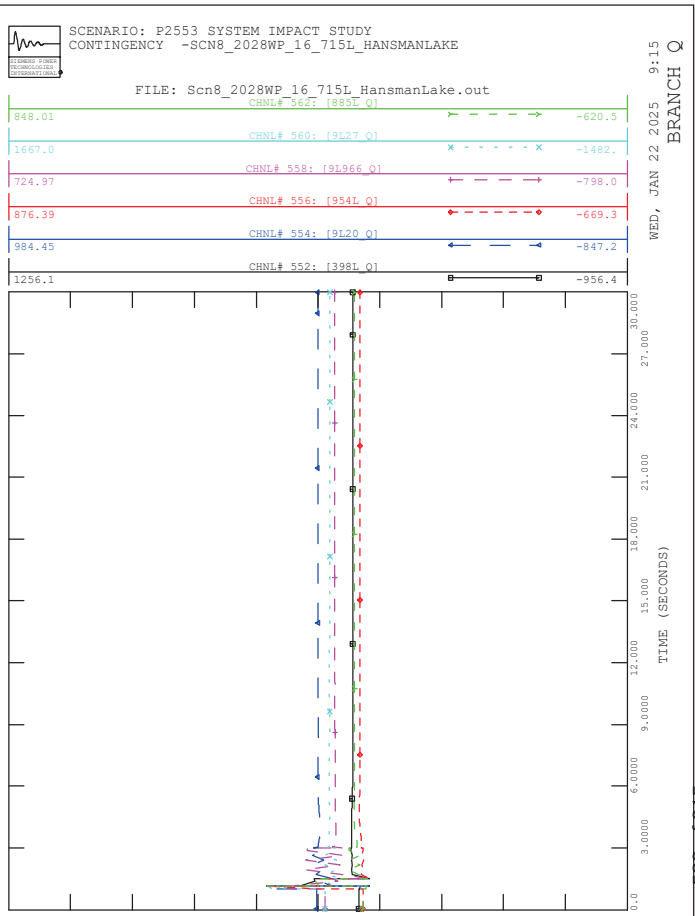
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_16_715L_HANSMANLAKE
FILE: Scn8_2028WP_16_715L_HansmanLake.out
CHNL# 562: [885L Q]
848.01
-620.5
CHNL# 560: [9L27 Q]
1667.0
-1482.
CHNL# 558: [9L966 Q]
724.97
-798.0
CHNL# 556: [954L Q]
876.39
-669.3
CHNL# 554: [9L20 Q]
984.45
-847.2
CHNL# 552: [398L Q]
1256.1
-956.4
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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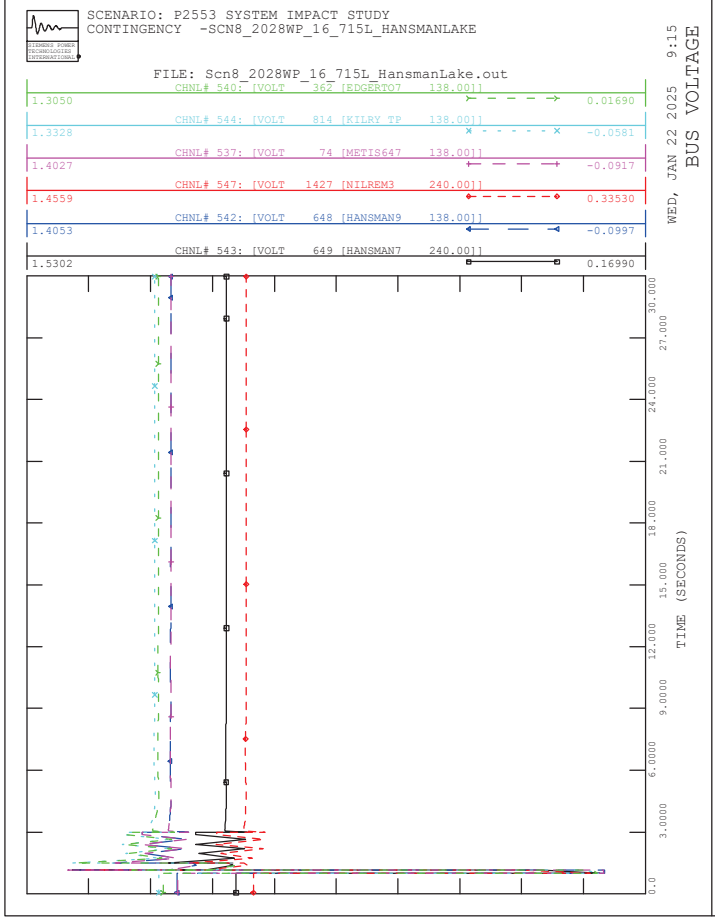
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_16_715L_HANSMANLAKE
FILE: Scn8_2028WP_16_715L_HansmanLake.out
CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.3050
0.01690
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.3328
-0.0581
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.4027
-0.0917
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.4559
0.33530
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.4053
-0.0997
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.5302
0.16990
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
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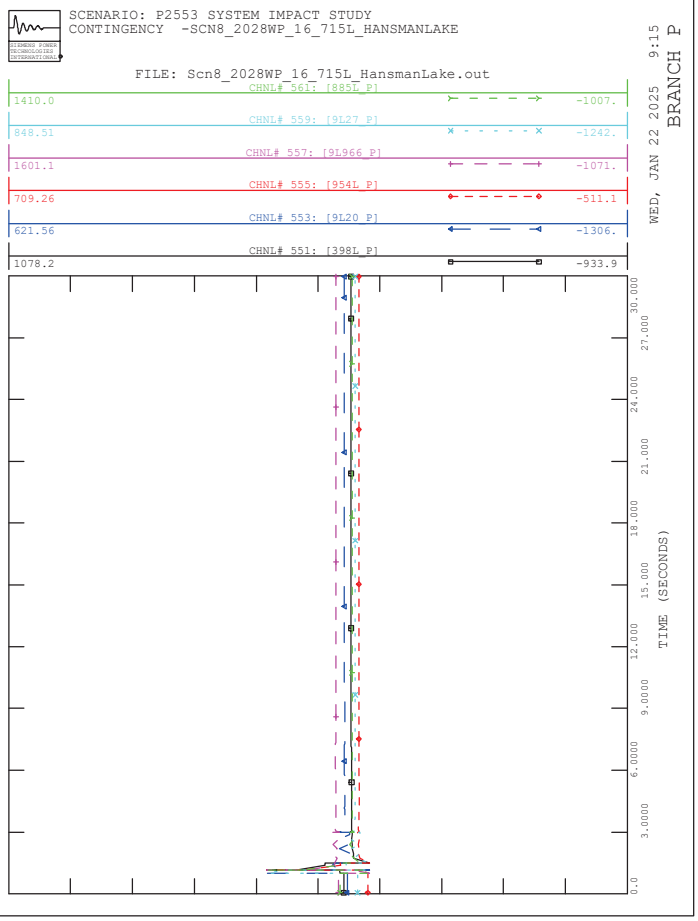
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_16_715L_HANSMANLAKE
FILE: Scn8_2028WP_16_715L_HansmanLake.out
CHNL# 561: [885L P]
1410.0
-1007.
CHNL# 559: [9L27 P]
848.51
-1242.
CHNL# 557: [9L966 P]
1601.1
-1071.
CHNL# 555: [954L P]
709.26
-511.1
CHNL# 553: [9L20 P]
621.56
-1306.
CHNL# 551: [398L P]
1078.2
-933.9
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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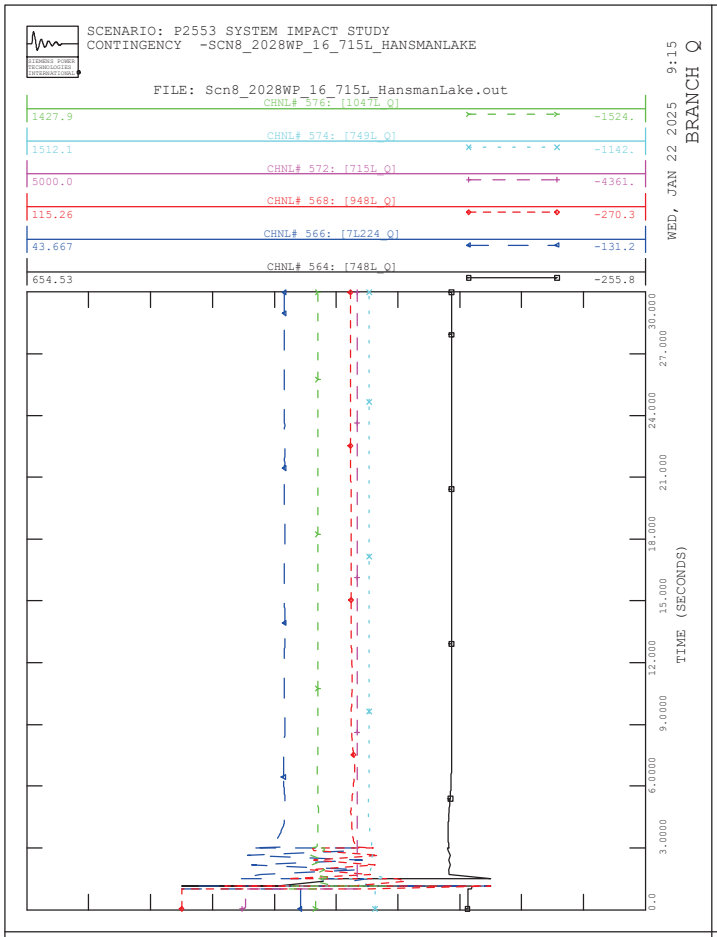
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_16_715L_HANSMANLAKE
FILE: Scn8_2028WP_16_715L_HansmanLake.out
CHNL# 576: [1047L Q]
1427.9
-1524.
CHNL# 574: [749L Q]
1512.1
-1142.
CHNL# 572: [715L Q]
5000.0
-4361.
CHNL# 568: [948L Q]
115.26
-270.3
CHNL# 566: [7L224 Q]
43.667
-131.2
CHNL# 564: [748L Q]
654.53
-255.8
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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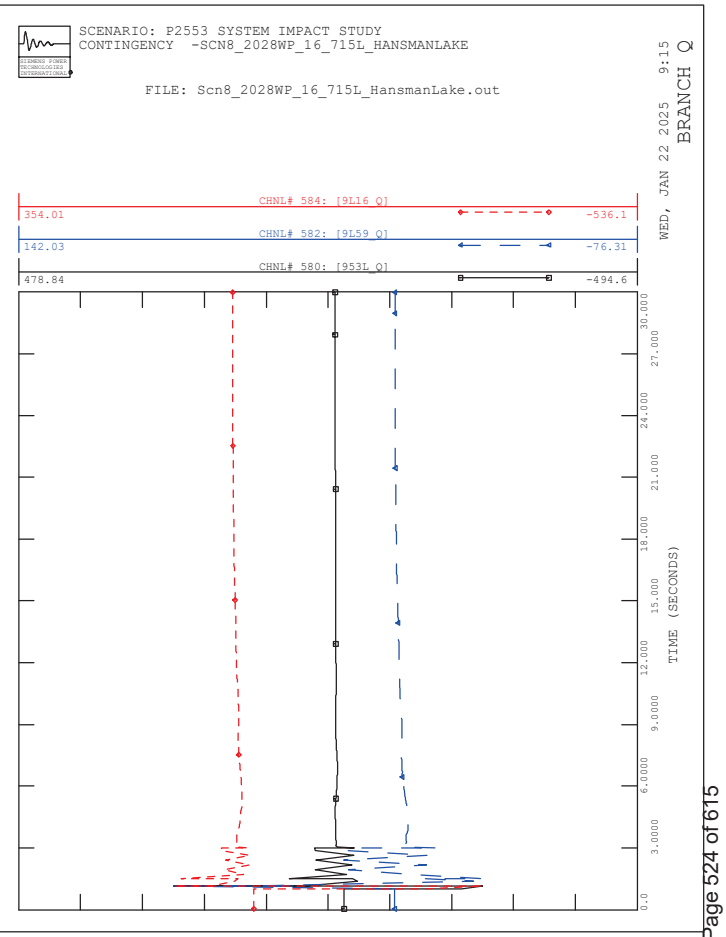
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_16_715L_HANSMANLAKE
FILE: Scn8_2028WP_16_715L_HansmanLake.out
CHNL# 584: [9L16 Q]
354.01
-536.1
CHNL# 582: [9L59 Q]
142.03
-76.31
CHNL# 580: [953L Q]
478.84
-494.6
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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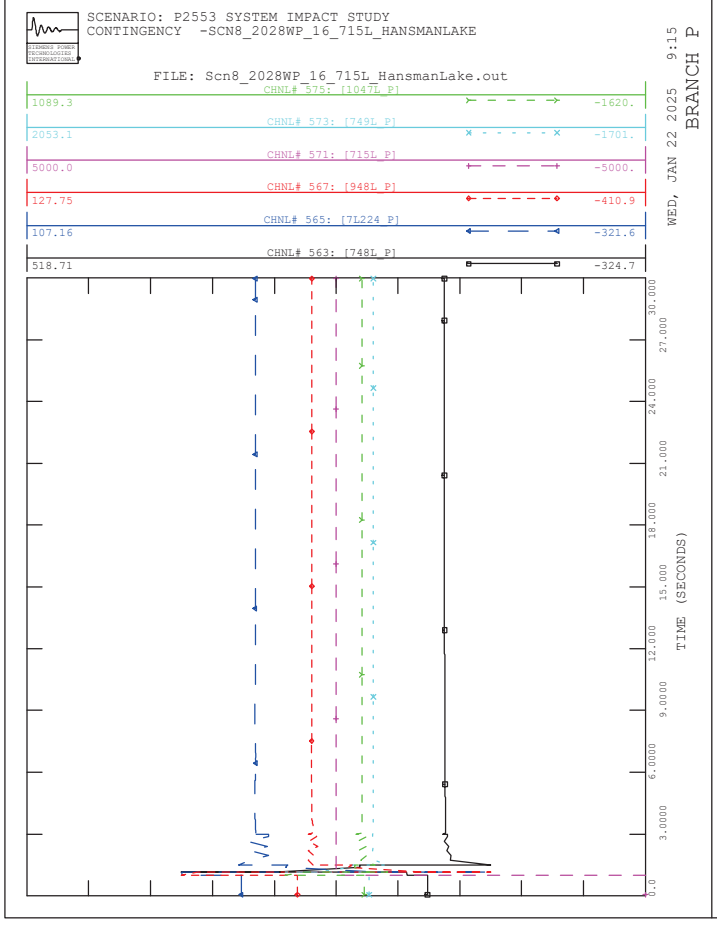
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_16_715L_HANSMANLAKE
FILE: Scn8_2028WP_16_715L_HansmanLake.out
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1089.3
-1620.
CHNL# 573: [749L P]
2053.1
-1701.
CHNL# 571: [715L P]
5000.0
-5000.
CHNL# 567: [948L P]
127.75
-410.9
CHNL# 565: [7L224 P]
107.16
-321.6
CHNL# 563: [748L P]
518.71
-324.7
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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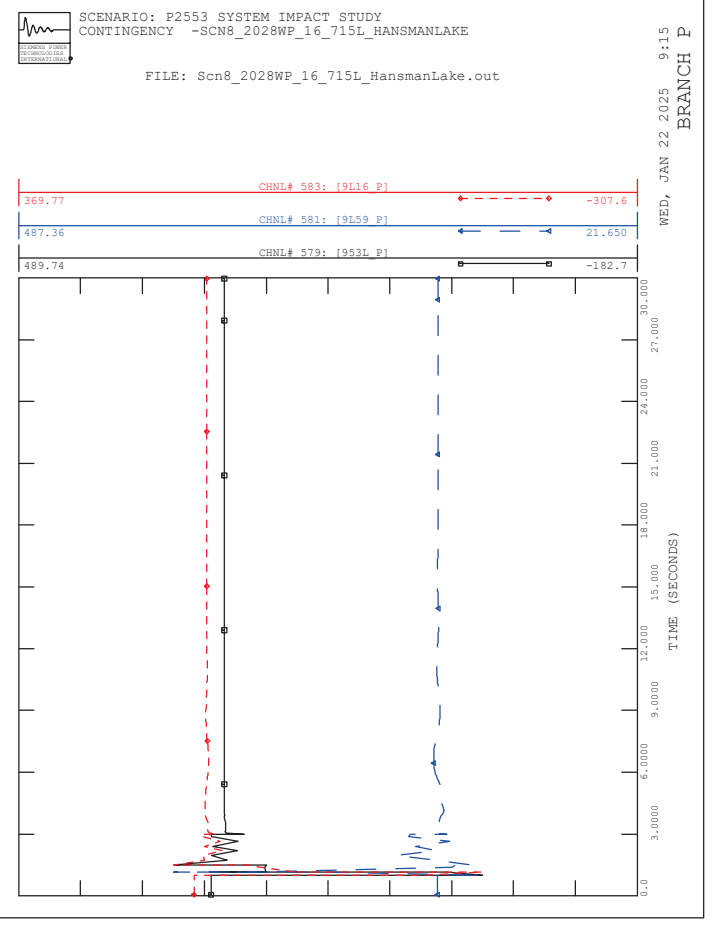
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CONTINGENCY -SCN8_2028WP_16_715L_HANSMANLAKE
FILE: Scn8_2028WP_16_715L_HansmanLake.out
CHNL# 583: [9L16 P]
369.77
-307.6
CHNL# 581: [9L59 P]
487.36
21.650
CHNL# 579: [953L P]
489.74
-182.7
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_17_715L_PROVOST

FILE: Scn8_2028WP_17_715L_Provost.out

WED, JAN 22 2025 9:15

ACTIVE POWER

CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.4927 0.41840

CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.5065 0.41840

CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.8513 0.81110

CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.8779 0.80480

CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.9751 -0.2625

CHNL# 190: [POWR 1496[BAT #4 16.000]4]
1.0411 -0.4859

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TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_17_715L_PROVOST

FILE: Scn8_2028WP_17_715L_Provost.out

WED, JAN 22 2025 9:15

TERMINAL VOLTAGE

CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.4823 0.53400

CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.4823 0.53400

CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1749 0.83890

CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1684 0.84350

CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.2438 0.84430

CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.2093 0.82510

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TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_17_715L_PROVOST

FILE: Scn8_2028WP_17_715L_Provost.out

WED, JAN 22 2025 9:15

ROTOR ANGLE

CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
55.568 -55.28

CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
53.148 -57.20

CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
37.503 -75.09

CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
33.030 -80.98

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TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_17_715L_PROVOST

FILE: Scn8_2028WP_17_715L_Provost.out

WED, JAN 22 2025 9:15

REACTIVE POWER

CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.0869 -0.4332

CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.0896 -0.4332

CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
3.0706 -0.6157

CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
3.1907 -0.8890

CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
3.4425 -0.2467

CHNL# 277: [VARS 1496[BAT #4 16.000]4]
1.4933 -0.5004

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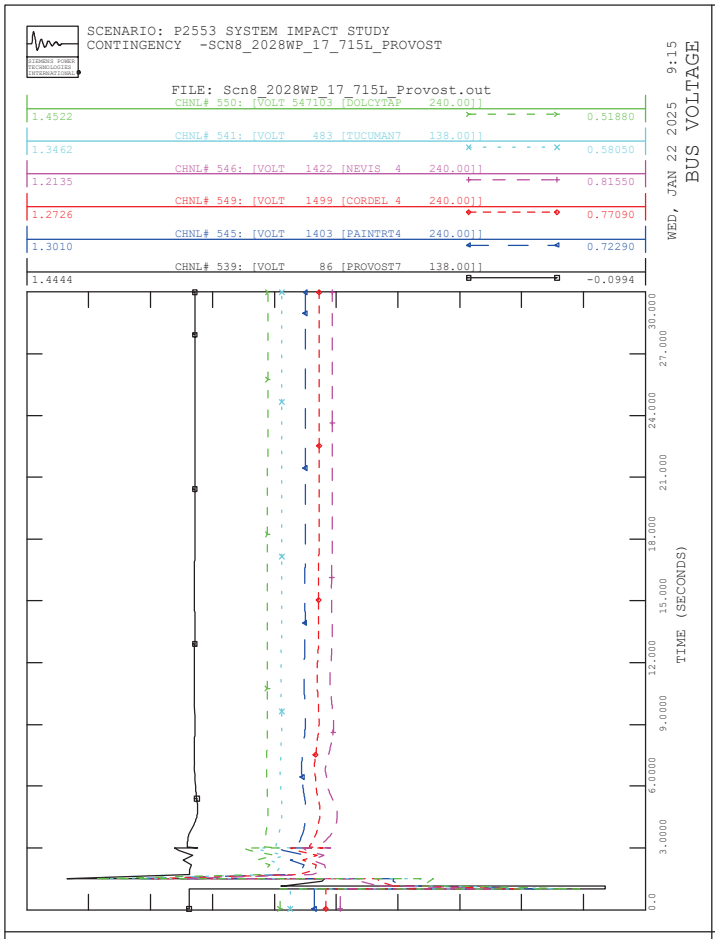
TIME (SECONDS)


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_17_715L_PROVOST
FILE: Scn8_2028WP_17_715L_Provost.out
CHNL# 550: [VOLT 5471G3 [DOLCYTAP 240.00]]
1.4522
0.51880
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.3462
0.58050
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.2135
0.81550
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2726
0.77090
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.3010
0.72290
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.4444
-0.0994
BUS VOLTAGE
WED, JAN 22 2025 9:15
TIME (SECONDS)
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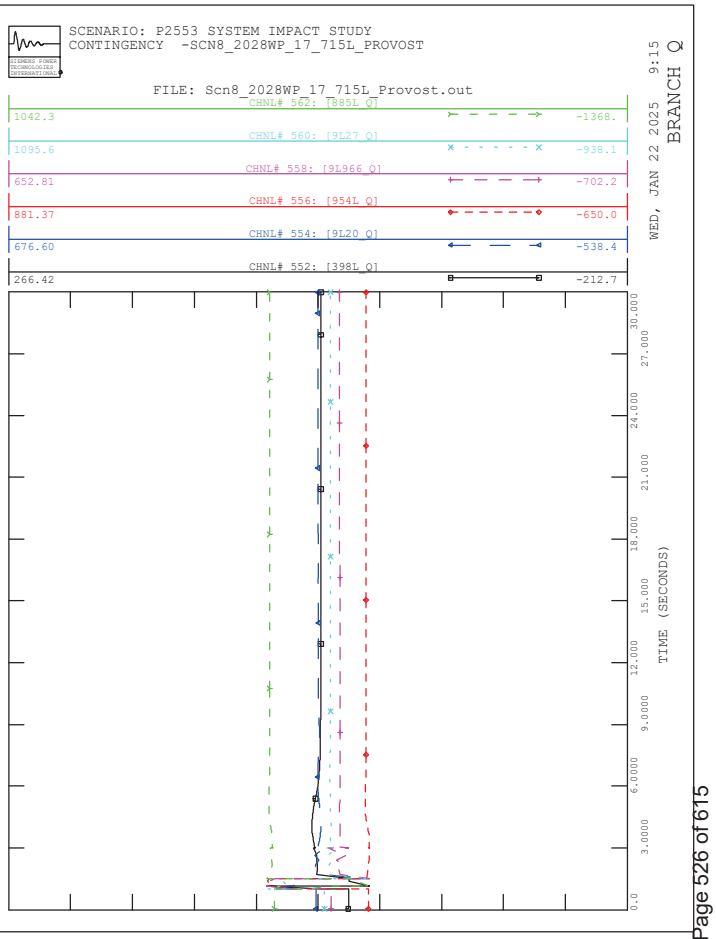
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_17_715L_PROVOST
FILE: Scn8_2028WP_17_715L_Provost.out
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-1368.
CHNL# 560: [9L27 Q]
1095.6
-938.1
CHNL# 558: [9L966 Q]
652.81
-702.2
CHNL# 556: [954L Q]
881.37
-650.0
CHNL# 554: [9L20 Q]
676.60
-538.4
CHNL# 552: [398L Q]
266.42
-212.7
BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
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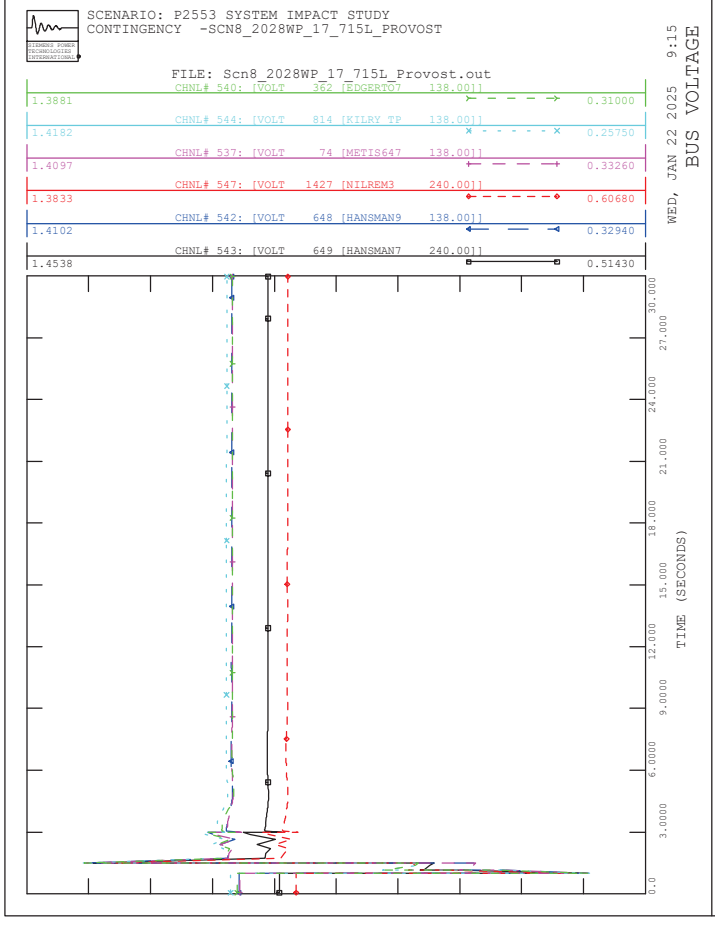
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CONTINGENCY -SCN8_2028WP_17_715L_PROVOST
FILE: Scn8_2028WP_17_715L_Provost.out
CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.3881
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CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.4182
0.25750
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.4097
0.33260
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.3833
0.60680
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.4102
0.32940
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.4538
0.51430
BUS VOLTAGE
WED, JAN 22 2025 9:15
TIME (SECONDS)
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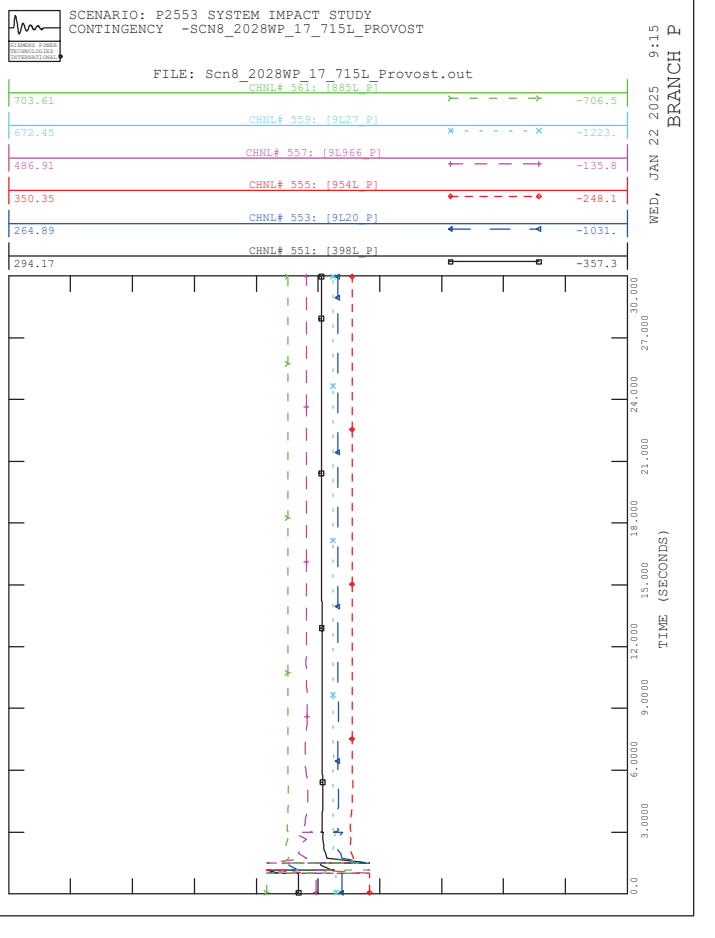
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CONTINGENCY -SCN8_2028WP_17_715L_PROVOST
FILE: Scn8_2028WP_17_715L_Provost.out
CHNL# 561: [885L P]
703.61
-706.5
CHNL# 559: [9L27 P]
672.45
-1223.
CHNL# 557: [9L966 P]
486.91
-135.8
CHNL# 555: [954L P]
350.35
-248.1
CHNL# 553: [9L20 P]
264.89
-1031.
CHNL# 551: [398L P]
294.17
-357.3
BRANCH P
WED, JAN 22 2025 9:15
TIME (SECONDS)
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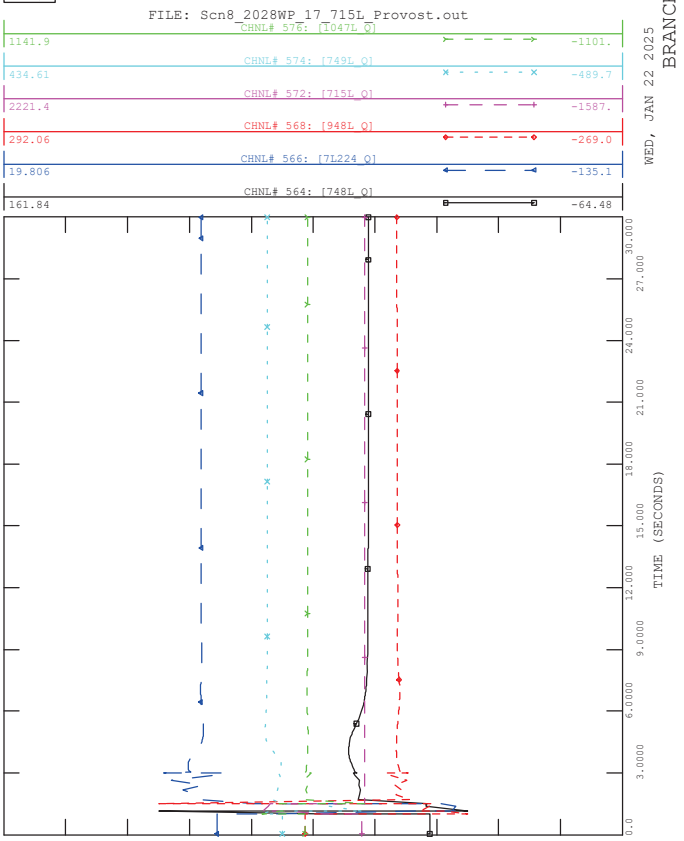
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_17_715L_PROVOST

FILE: Scn8_2028WP_17_715L_Provost.out



SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_17_715L_PROVOST

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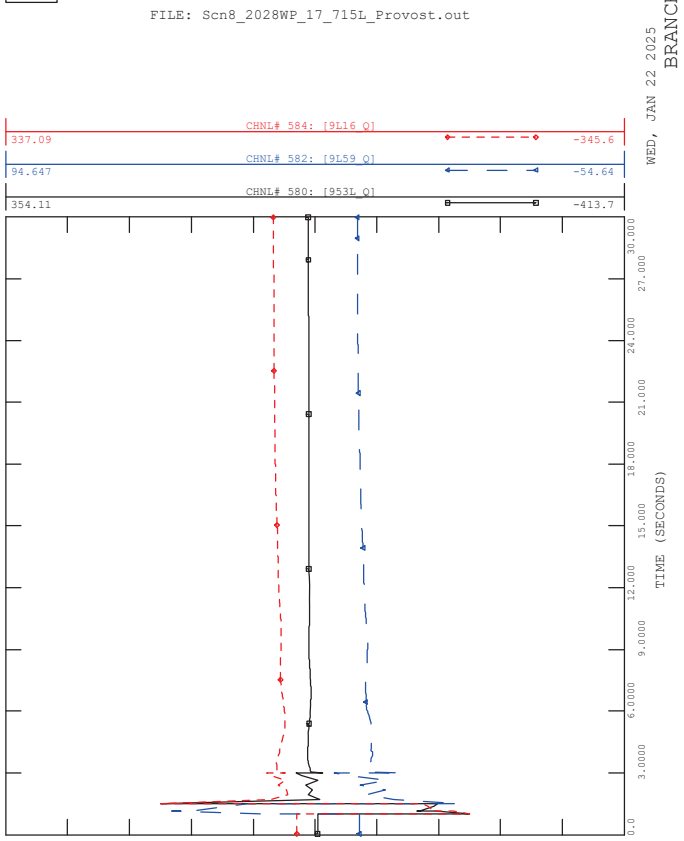

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_17_715L_PROVOST

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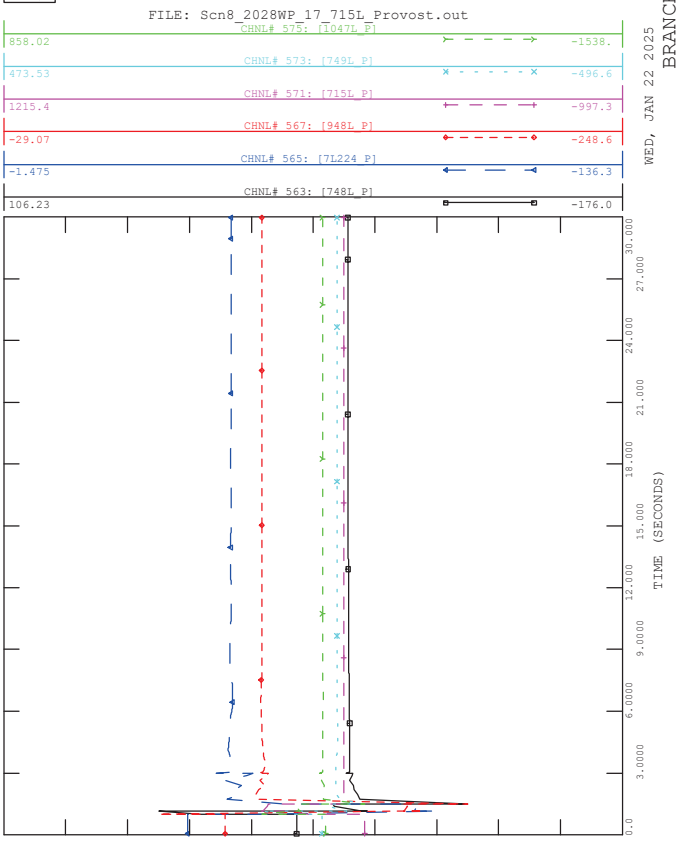

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_17_715L_PROVOST

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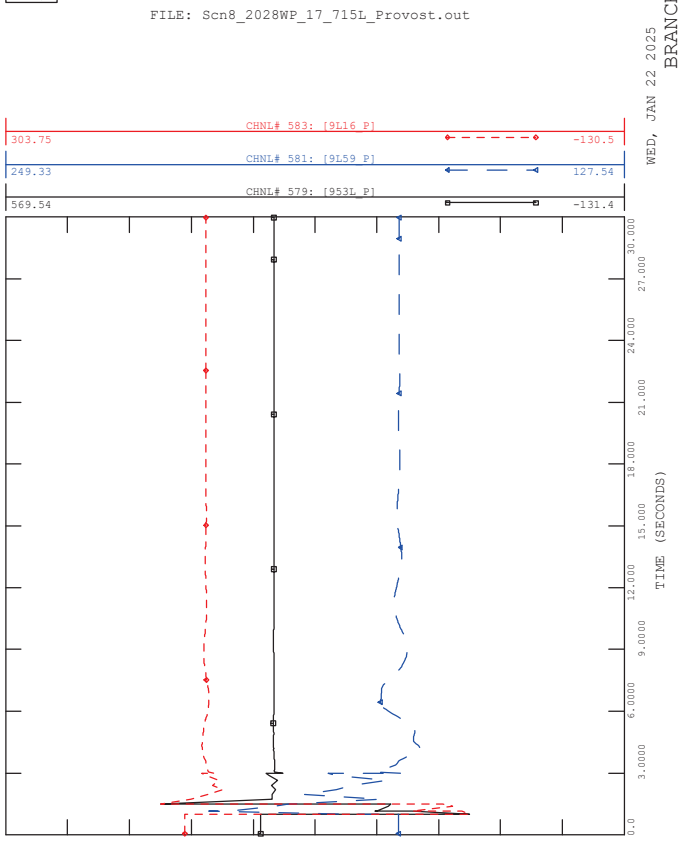

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_18_9L666_HANSMANLAKE

FILE: Scn8_2028WP_18_9L666_HansmanLake.out

WED, JAN 22 2025 9:15

ACTIVE POWER

CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
1.9224 -0.1988

CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
1.9363 -0.1988

CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
2.0386 1.0509

CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.9793 1.0457

CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
2.2249 0.23380

CHNL# 190: [POWR 1496[BAT #4 16.000]4]
1.2392 -0.2680

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_18_9L666_HANSMANLAKE

FILE: Scn8_2028WP_18_9L666_HansmanLake.out

WED, JAN 22 2025 9:15

TERMINAL VOLTAGE

CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.7687 -0.0716

CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.7694 -0.0716

CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1964 0.68060

CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1892 0.69570

CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.2439 0.69810

CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1678 0.70950

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TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_18_9L666_HANSMANLAKE

FILE: Scn8_2028WP_18_9L666_HansmanLake.out

WED, JAN 22 2025 9:15

ROTOR ANGLE

CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
55.055 -49.03

CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
52.696 -51.20

CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
35.643 -71.46

CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
32.745 -75.86

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_18_9L666_HANSMANLAKE

FILE: Scn8_2028WP_18_9L666_HansmanLake.out

WED, JAN 22 2025 9:15

REACTIVE POWER

CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
3.2264 -1.071

CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
3.2431 -1.077

CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
4.9032 -0.6159

CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
5.3124 -1.047

CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
6.0704 -3.074

CHNL# 277: [VARS 1496[BAT #4 16.000]4]
3.2043 -2.426

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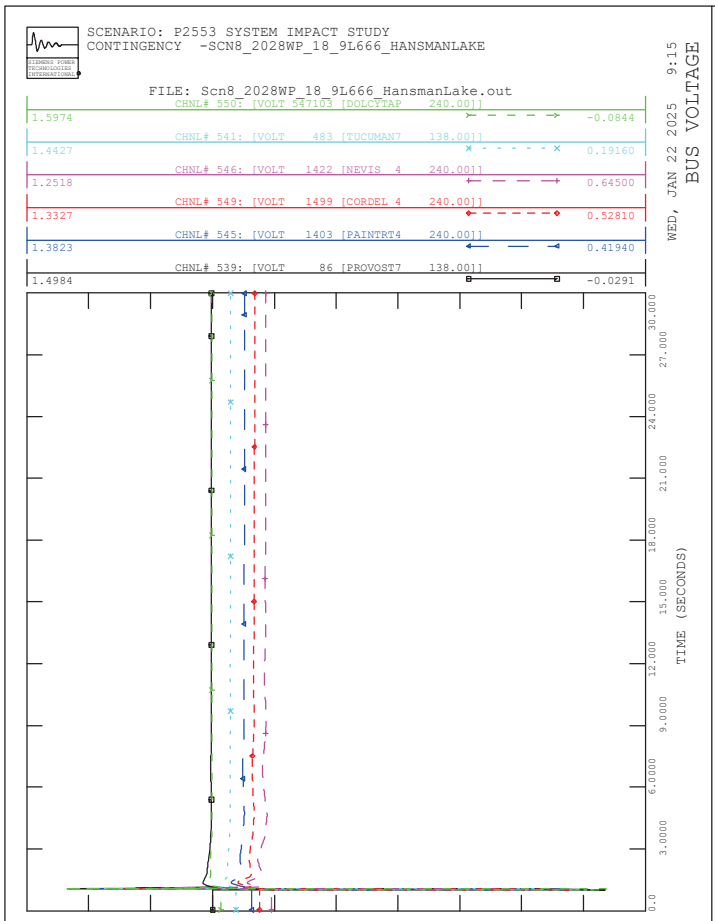
TIME (SECONDS)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CONTINGENCY -SCN8_2028WP_18_9L666_HANSMANLAKE
FILE: Scn8_2028WP_18_9L666_HansmanLake.out
CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.5974
-0.0844
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.4427
0.19160
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.2518
0.64500
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.3327
0.52810
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.3823
0.41940
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.4984
-0.0291
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
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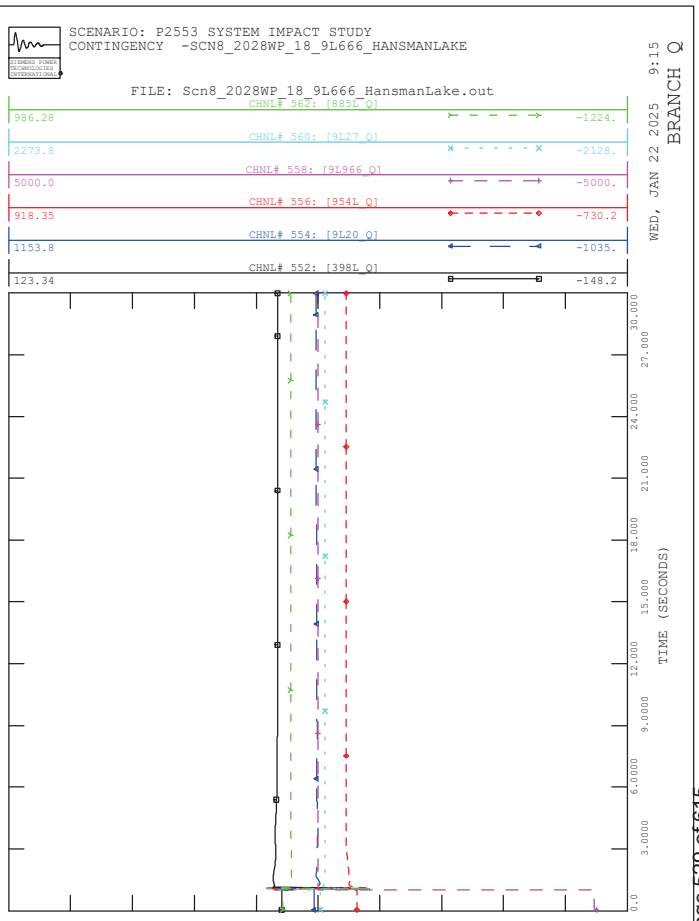
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_18_9L666_HANSMANLAKE
FILE: Scn8_2028WP_18_9L666_HansmanLake.out
CHNL# 562: [885L Q]
986.28
-1224.
CHNL# 560: [9L27 Q]
2273.8
-2128.
CHNL# 558: [9L966 Q]
5000.0
-5000.
CHNL# 556: [954L Q]
918.35
-730.2
CHNL# 554: [9L20 Q]
1153.8
-1035.
CHNL# 552: [398L Q]
123.34
-148.2
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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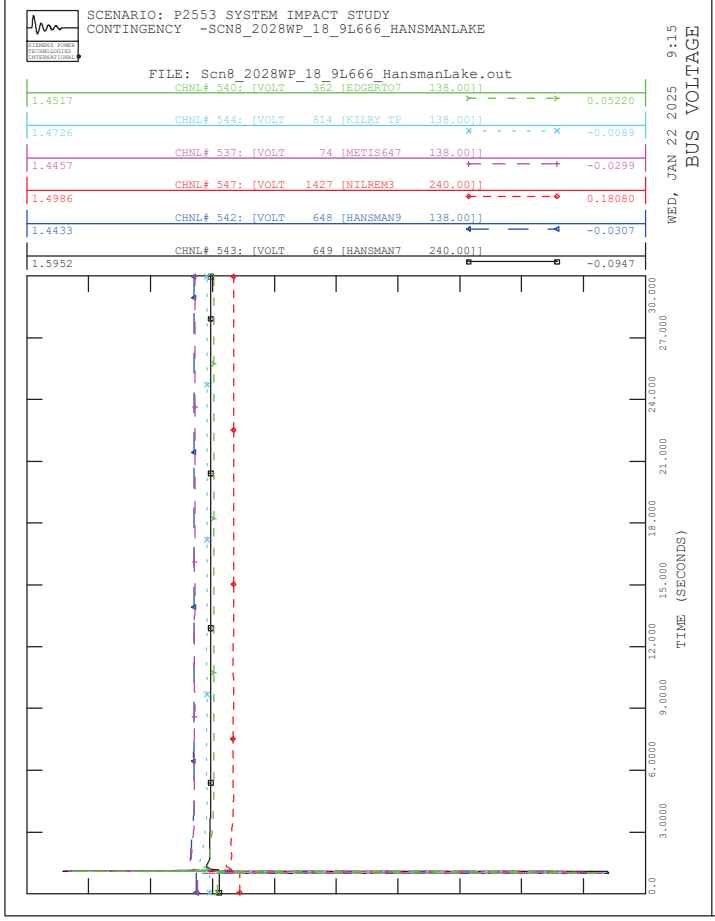
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_18_9L666_HANSMANLAKE
FILE: Scn8_2028WP_18_9L666_HansmanLake.out
CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.4517
0.05220
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.4726
-0.0089
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.4457
-0.0299
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.4986
0.18080
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.4433
-0.0307
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.5952
-0.0947
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
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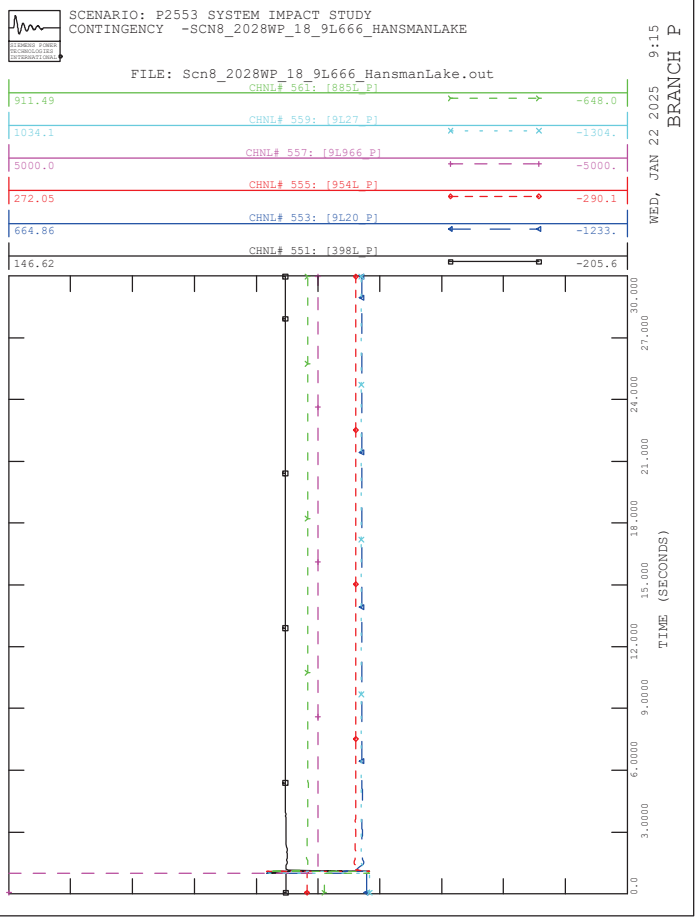
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_18_9L666_HANSMANLAKE
FILE: Scn8_2028WP_18_9L666_HansmanLake.out
CHNL# 561: [885L P]
911.49
-648.0
CHNL# 559: [9L27 P]
1034.1
-1304.
CHNL# 557: [9L966 P]
5000.0
-5000.
CHNL# 555: [954L P]
272.05
-290.1
CHNL# 553: [9L20 P]
664.86
-1233.
CHNL# 551: [398L P]
146.62
-205.6
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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9.0000
12.000
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18.000
21.000
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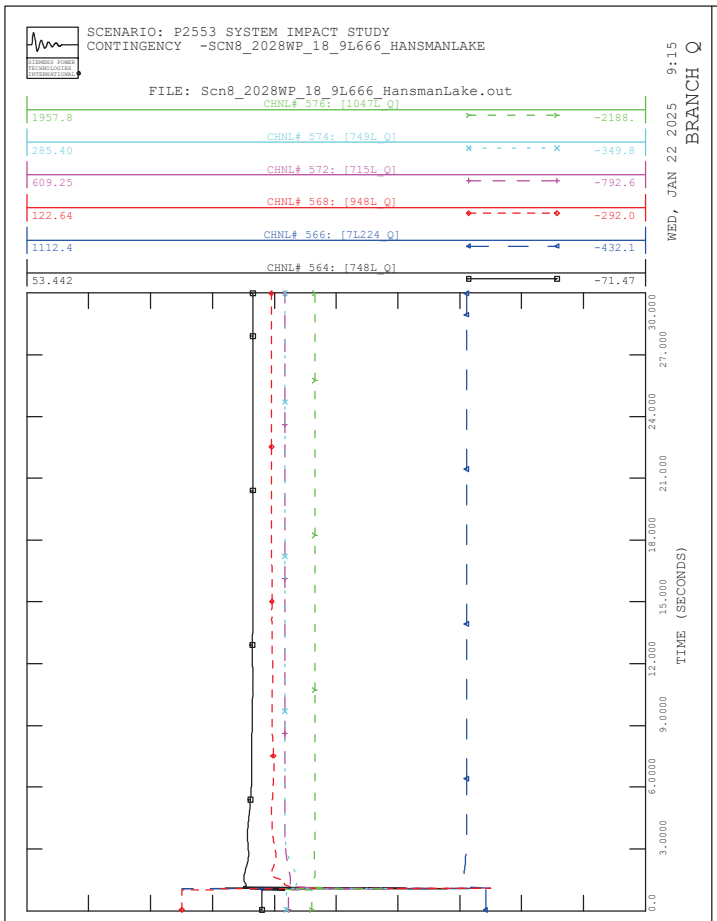
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_18_9L666_HANSMANLAKE
FILE: Scn8_2028WP_18_9L666_HansmanLake.out
CHNL# 576: [1047L Q]
1957.8
-2188.
CHNL# 574: [749L Q]
285.40
-349.8
CHNL# 572: [715L Q]
609.25
-792.6
CHNL# 568: [948L Q]
122.64
-292.0
CHNL# 566: [7L224 Q]
1112.4
-432.1
CHNL# 564: [748L Q]
53.442
-71.47
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_18_9L666_HANSMANLAKE
FILE: Scn8_2028WP_18_9L666_HansmanLake.out
CHNL# 584: [9L16 Q]
659.33
-728.5
CHNL# 582: [9L59 Q]
242.19
-301.0
CHNL# 580: [953L Q]
661.46
-495.4
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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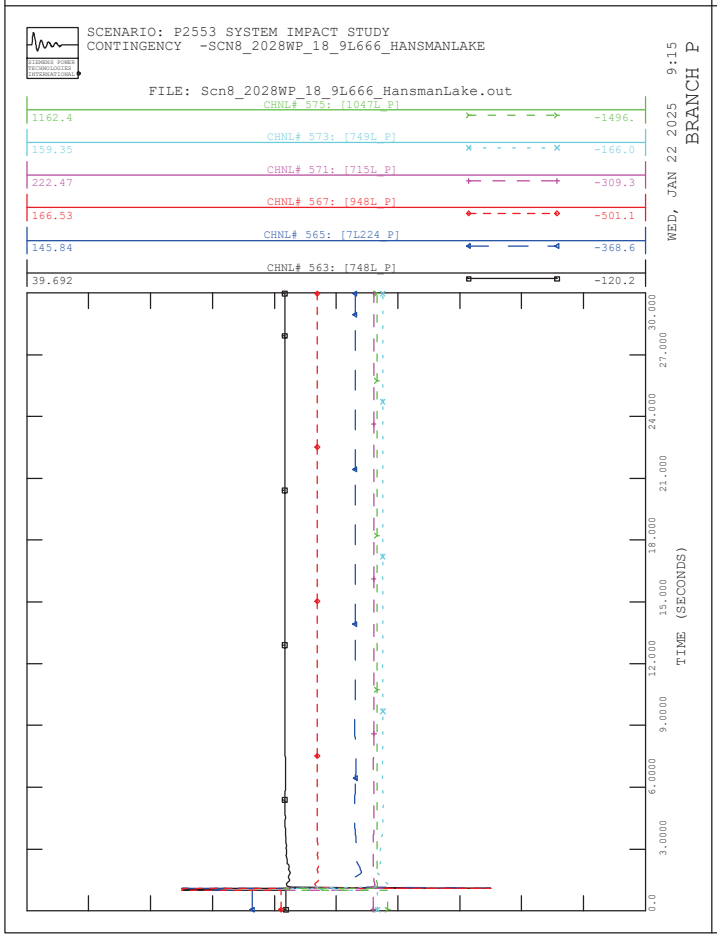
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_18_9L666_HANSMANLAKE
FILE: Scn8_2028WP_18_9L666_HansmanLake.out
CHNL# 575: [1047L P]
1162.4
-1496.
CHNL# 573: [749L P]
159.35
-166.0
CHNL# 571: [715L P]
222.47
-309.3
CHNL# 567: [948L P]
166.53
-501.1
CHNL# 565: [7L224 P]
145.84
-368.6
CHNL# 563: [748L P]
39.692
-120.2
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_18_9L666_HANSMANLAKE
FILE: Scn8_2028WP_18_9L666_HansmanLake.out
CHNL# 583: [9L16 P]
375.04
-413.0
CHNL# 581: [9L59 P]
517.00
-34.70
CHNL# 579: [953L P]
454.31
-239.9
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_19_9L666_PEMUKAN

FILE: Scn8_2028WP_19_9L666_Pemukan.out

CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.5202 -0.0459
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.5350 -0.0459
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.9668 0.78560
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
2.0259 0.66700
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
2.3560 0.19860
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
1.2739 -0.4060

WED, JAN 22 2025 9:15
ACTIVE POWER

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_19_9L666_PEMUKAN

FILE: Scn8_2028WP_19_9L666_Pemukan.out

CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.6173 0.21650
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.6176 0.21650
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1919 0.69550
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1862 0.70960
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.2270 0.75560
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1686 0.75700

WED, JAN 22 2025 9:15
TERMINAL VOLTAGE

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_19_9L666_PEMUKAN

FILE: Scn8_2028WP_19_9L666_Pemukan.out

CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
54.631 -48.59
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
52.315 -50.79
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
35.572 -70.56
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
32.742 -74.86

WED, JAN 22 2025 9:15
ROTOR ANGLE

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_19_9L666_PEMUKAN

FILE: Scn8_2028WP_19_9L666_Pemukan.out

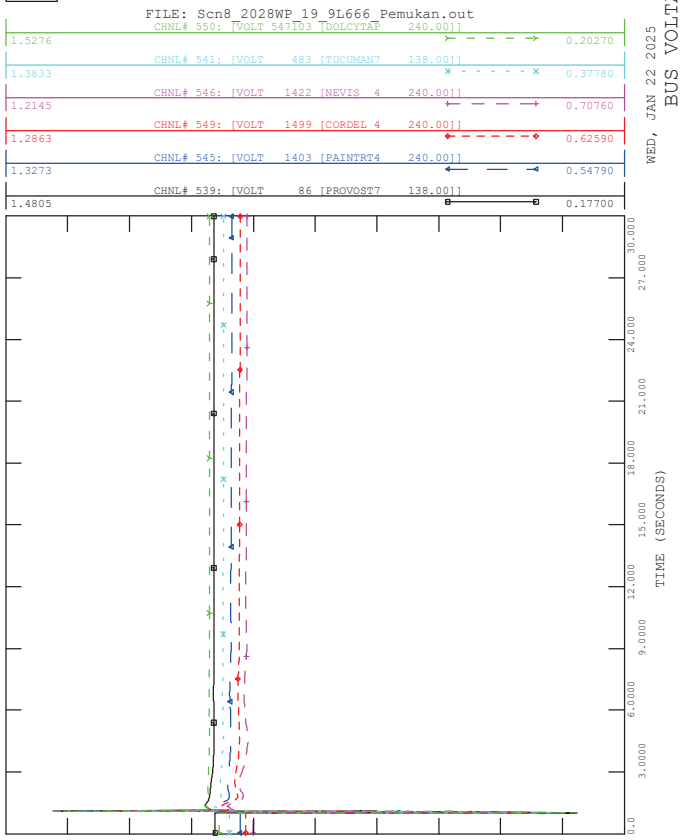
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.4666 -0.4666
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.4709 -0.4666
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
4.6870 -0.4532
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
5.0523 -0.8154
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
5.0521 -1.824
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
2.4989 -1.545

WED, JAN 22 2025 9:15
REACTIVE POWER

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_19_9L666_PEMUKAN

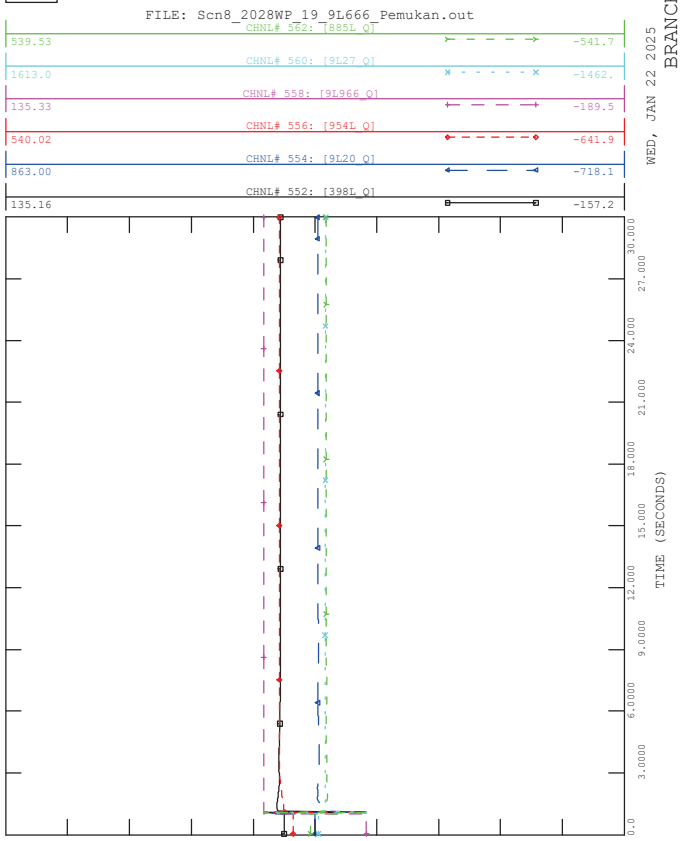
FILE: Scn8_2028WP_19_9L666_Pemukan.out



WED, JAN 22 2025 9:15
BUS VOLTAGE

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_19_9L666_PEMUKAN

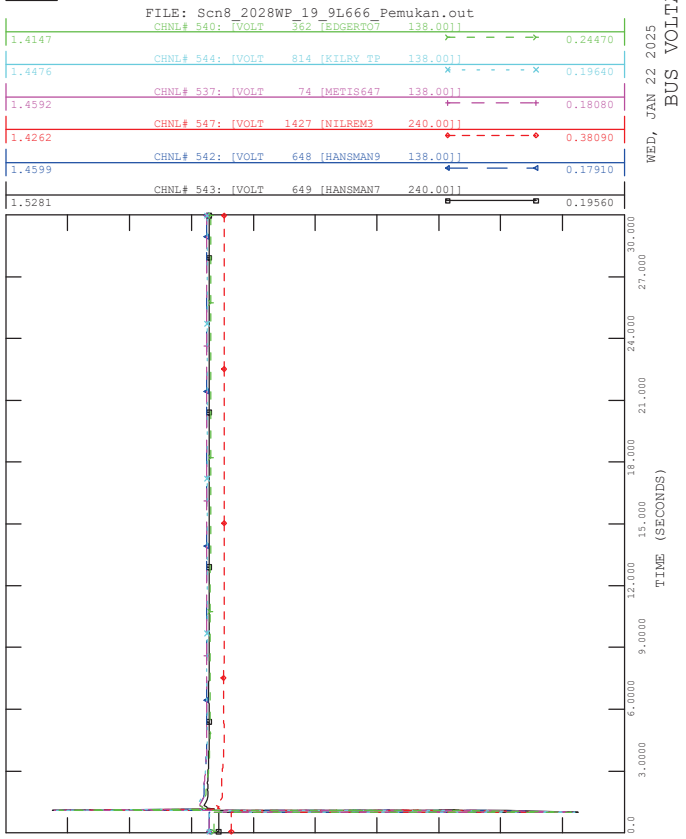
FILE: Scn8_2028WP_19_9L666_Pemukan.out



WED, JAN 22 2025 9:15
BRANCH Q

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_19_9L666_PEMUKAN

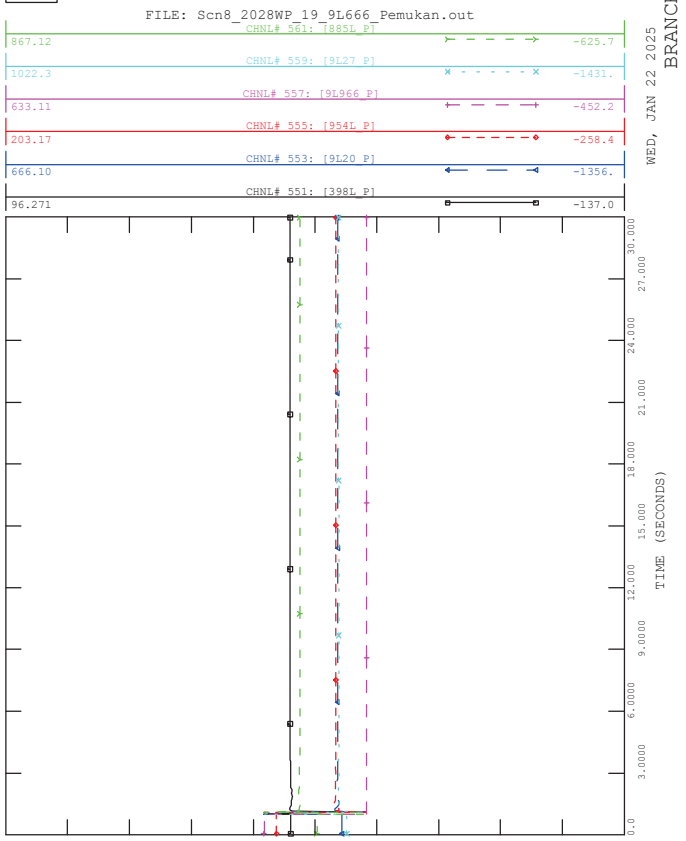
FILE: Scn8_2028WP_19_9L666_Pemukan.out



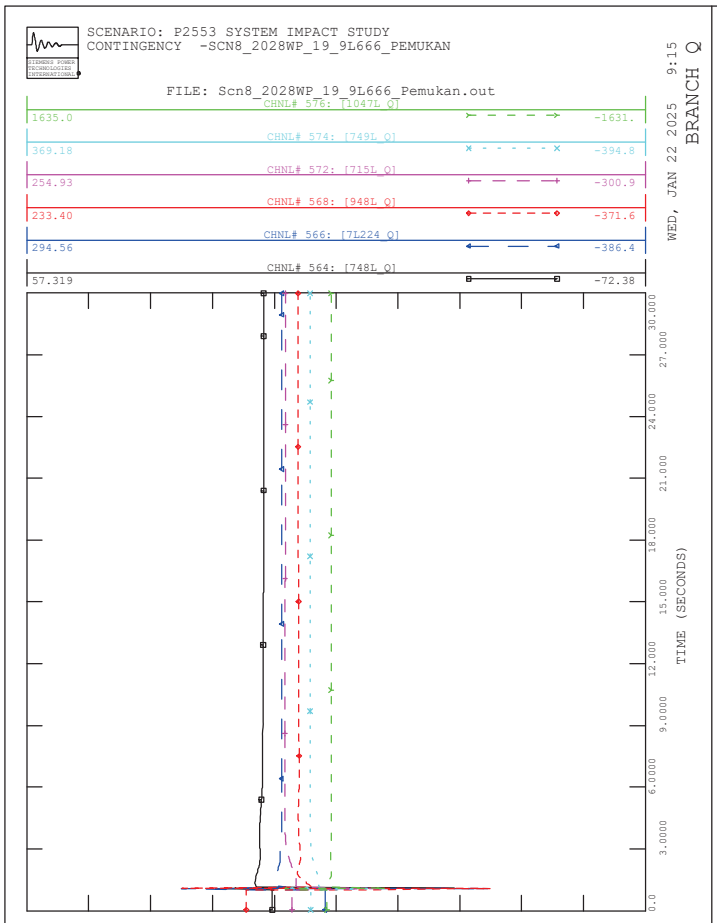
WED, JAN 22 2025 9:15
BUS VOLTAGE

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_19_9L666_PEMUKAN

FILE: Scn8_2028WP_19_9L666_Pemukan.out



WED, JAN 22 2025 9:15
BRANCH P


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_19_9L666_PEMUKAN
FILE: Scn8_2028WP_19_9L666_Pemukan.out
CHNL# 576: [1047L_Q]
1635.0
-1631.
CHNL# 574: [749L_Q]
369.18
-394.8
CHNL# 572: [715L_Q]
254.93
-300.9
CHNL# 568: [948L_Q]
233.40
-371.6
CHNL# 566: [7L224_Q]
294.56
-386.4
CHNL# 564: [748L_Q]
57.319
-72.38
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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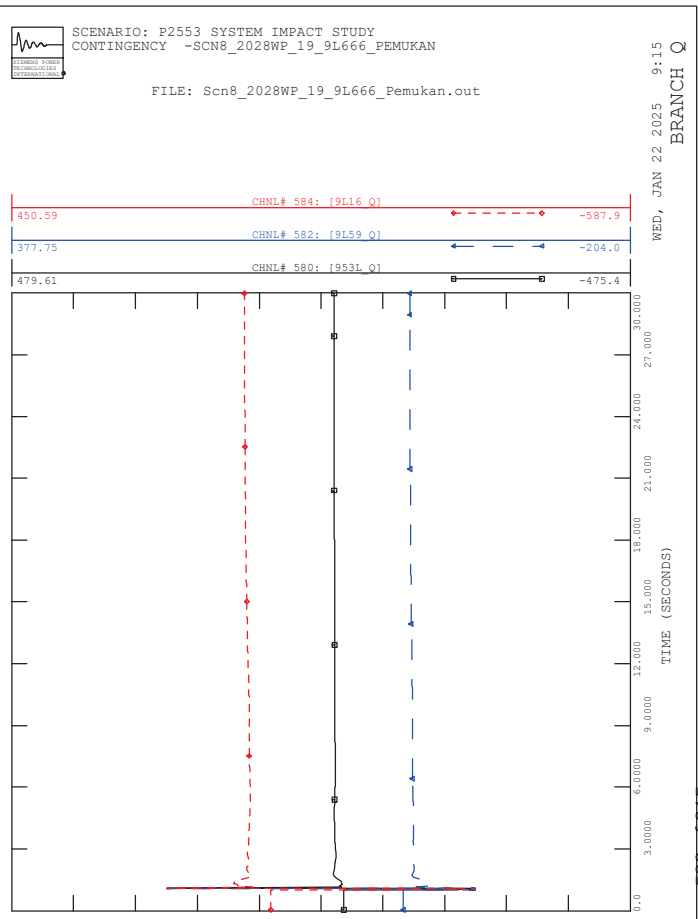
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_19_9L666_PEMUKAN
FILE: Scn8_2028WP_19_9L666_Pemukan.out
CHNL# 584: [9L16_Q]
450.59
-587.9
CHNL# 582: [9L59_Q]
377.75
-204.0
CHNL# 580: [953L_Q]
479.61
-475.4
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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18.000
21.000
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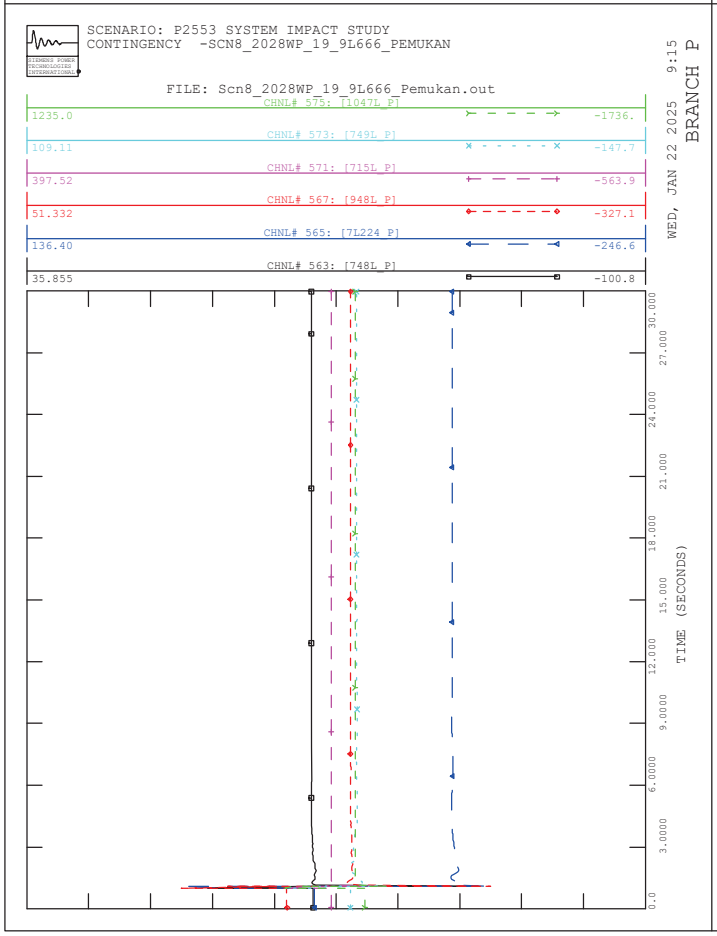
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_19_9L666_PEMUKAN
FILE: Scn8_2028WP_19_9L666_Pemukan.out
CHNL# 575: [1047L_P]
1235.0
-1736.
CHNL# 573: [749L_P]
109.11
-147.7
CHNL# 571: [715L_P]
397.52
-563.9
CHNL# 567: [948L_P]
51.332
-327.1
CHNL# 565: [7L224_P]
136.40
-246.6
CHNL# 563: [748L_P]
35.855
-100.8
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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6.0000
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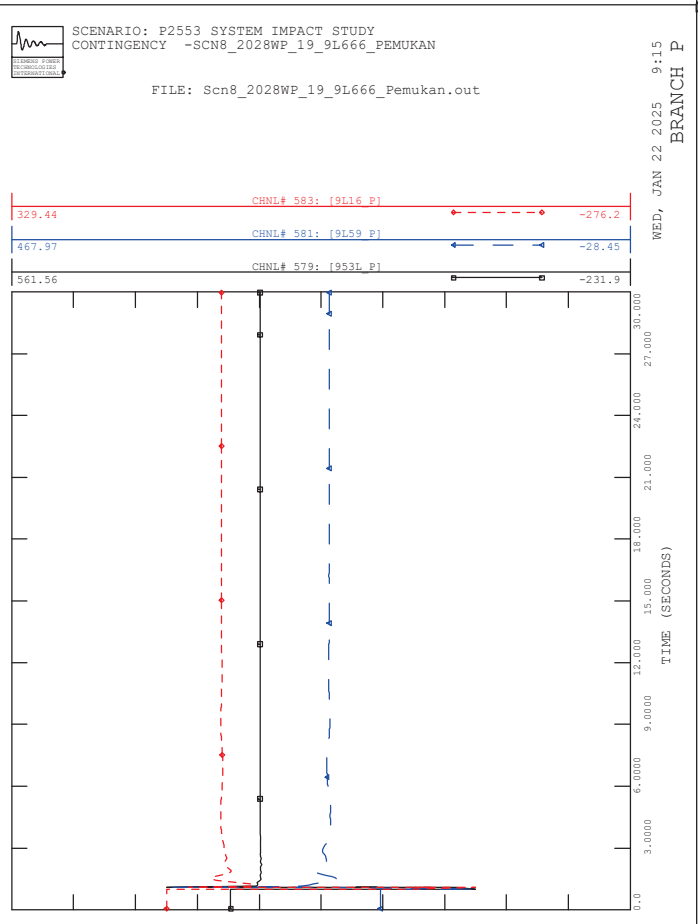
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_19_9L666_PEMUKAN
FILE: Scn8_2028WP_19_9L666_Pemukan.out
CHNL# 583: [9L16_P]
329.44
-276.2
CHNL# 581: [9L59_P]
467.97
-28.45
CHNL# 579: [953L_P]
561.56
-231.9
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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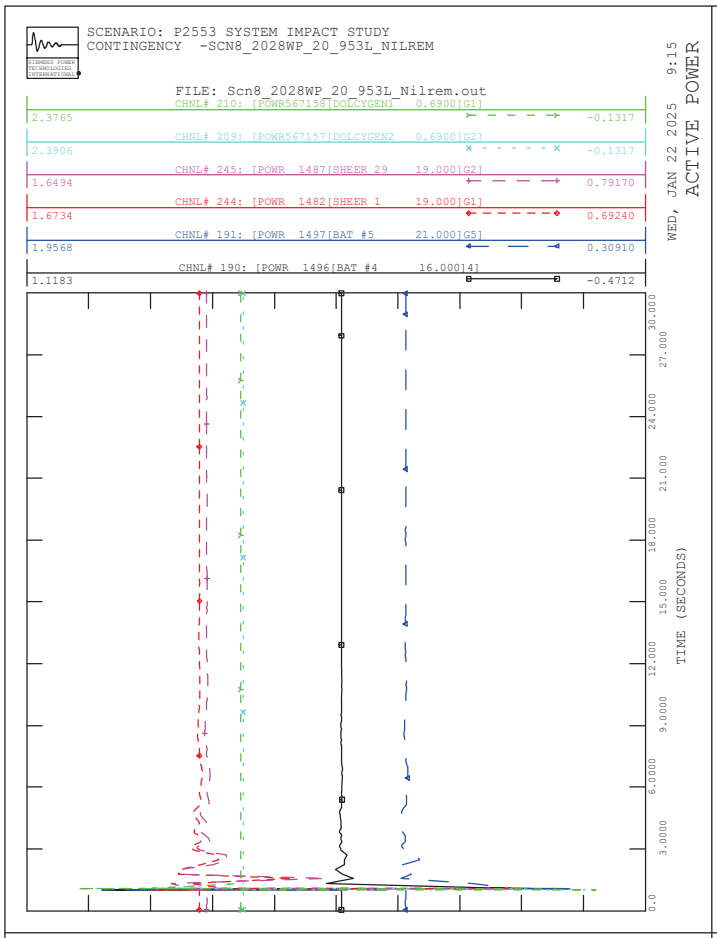
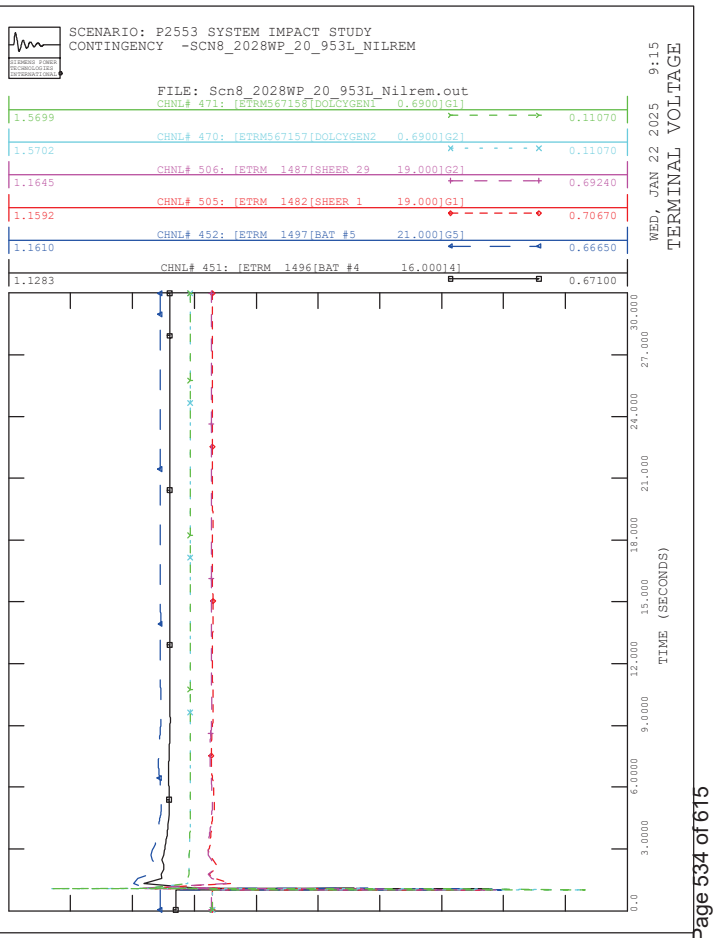
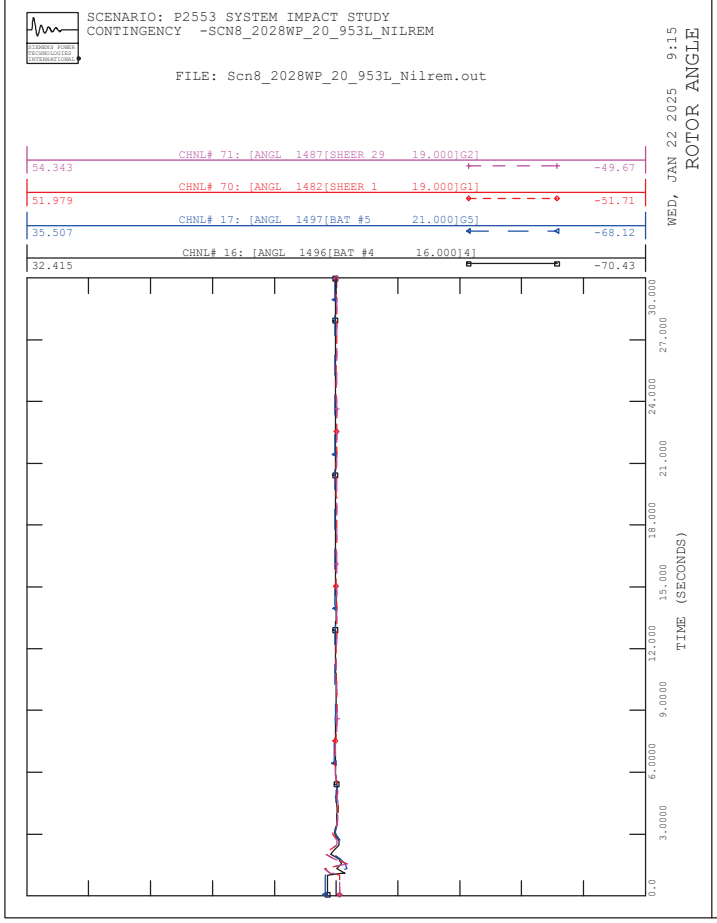
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_20_953L_NILREM
FILE: Scn8_2028WP_20_953L_Nilrem.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.3765
-0.1317
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.3906
-0.1317
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.6494
0.79170
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.6734
0.69240
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.9568
0.30910
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
1.1183
-0.4712
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_20_953L_NILREM
FILE: Scn8_2028WP_20_953L_Nilrem.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.5699
0.11070
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.5702
0.11070
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1645
0.69240
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1592
0.70670
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1610
0.66650
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1283
0.67100
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_20_953L_NILREM
FILE: Scn8_2028WP_20_953L_Nilrem.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
54.343
-49.67
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
51.979
-51.71
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
35.507
-68.12
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
32.415
-70.43
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
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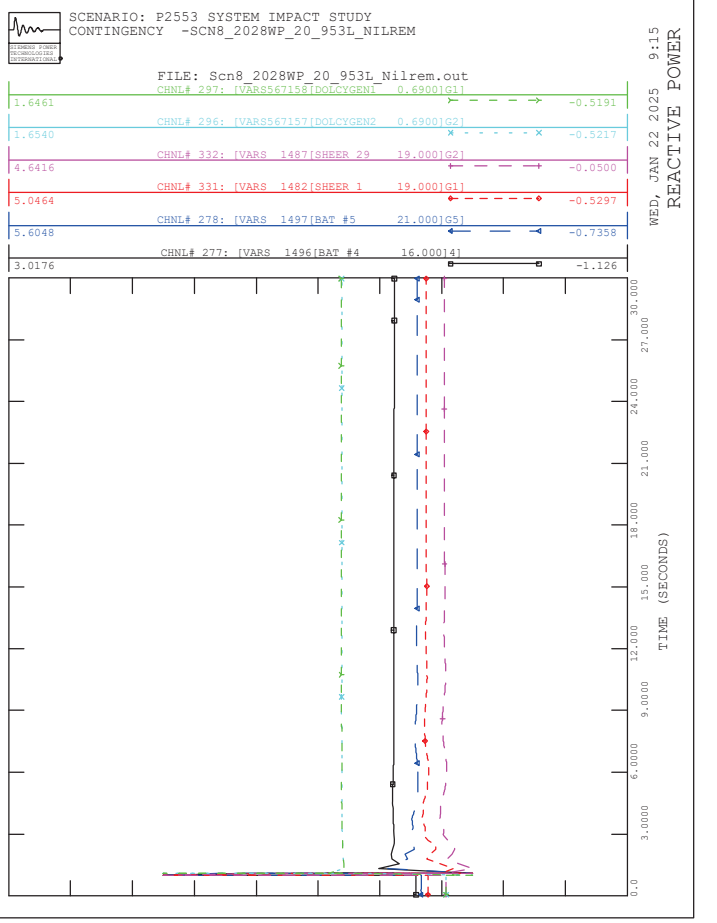
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_20_953L_NILREM
FILE: Scn8_2028WP_20_953L_Nilrem.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.6461
-0.5191
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.6540
-0.5217
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
4.6416
-0.0500
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
5.0464
-0.5297
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
5.6048
-0.7358
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
3.0176
-1.126
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_20_953L_NILREM

FILE: Scn8_2028WP_20_953L_Nilrem.out

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.4658 0.09730
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.3659 -0.0056
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.1333 0.60870
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.1655 0.47090
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.1738 0.39930
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.4636 0.08400

WED, JAN 22 2025 9:15
BUS VOLTAGE

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_20_953L_NILREM

FILE: Scn8_2028WP_20_953L_Nilrem.out

CHNL# 562: [885L_Q]
372.57 -256.5
CHNL# 560: [9L27_Q]
1348.9 -1355.
CHNL# 558: [9L966_Q]
916.42 -821.9
CHNL# 556: [954L_Q]
151.16 -213.3
CHNL# 554: [9L20_Q]
857.70 -545.6
CHNL# 552: [398L_Q]
148.37 -190.5

WED, JAN 22 2025 9:15
BRANCH Q

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_20_953L_NILREM

FILE: Scn8_2028WP_20_953L_Nilrem.out

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.3638 0.13230
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.4142 0.09490
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.4345 0.08760
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.4405 -0.0958
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.4357 0.08810
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.4717 0.09160

WED, JAN 22 2025 9:15
BUS VOLTAGE

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_20_953L_NILREM

FILE: Scn8_2028WP_20_953L_Nilrem.out

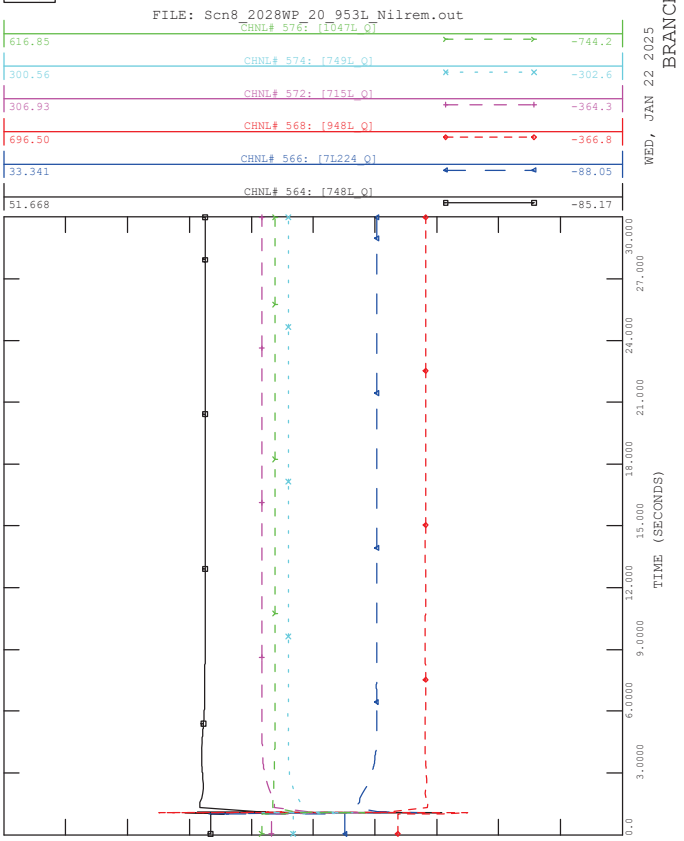
CHNL# 561: [885L_P]
734.58 -503.3
CHNL# 559: [9L27_P]
1214.5 -1730.
CHNL# 557: [9L966_P]
888.46 -588.1
CHNL# 555: [954L_P]
49.479 -47.98
CHNL# 553: [9L20_P]
723.93 -1279.
CHNL# 551: [398L_P]
145.43 -206.1

WED, JAN 22 2025 9:15
BRANCH P

TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_20_953L_NILREM

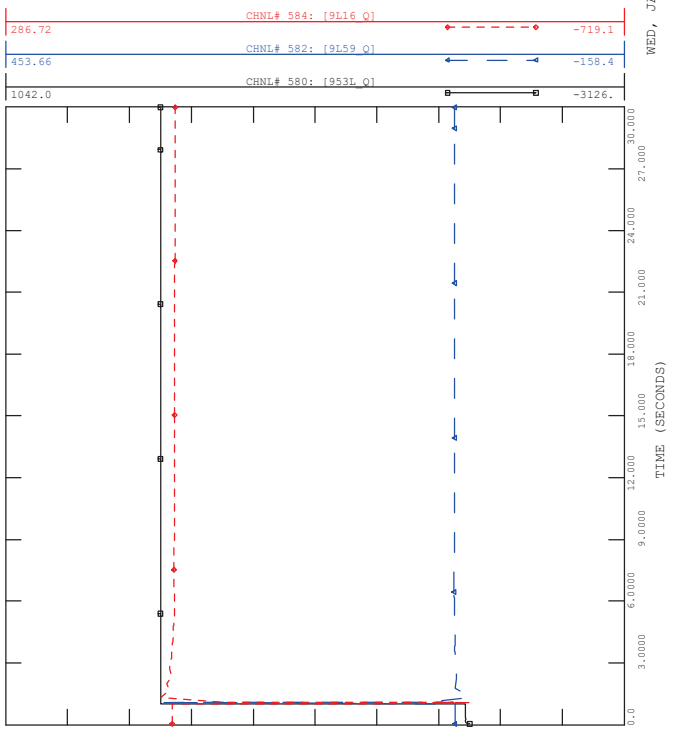
FILE: Scn8_2028WP_20_953L_Nilrem.out



WED, JAN 22 2025 9:15 BRANCH Q

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_20_953L_NILREM

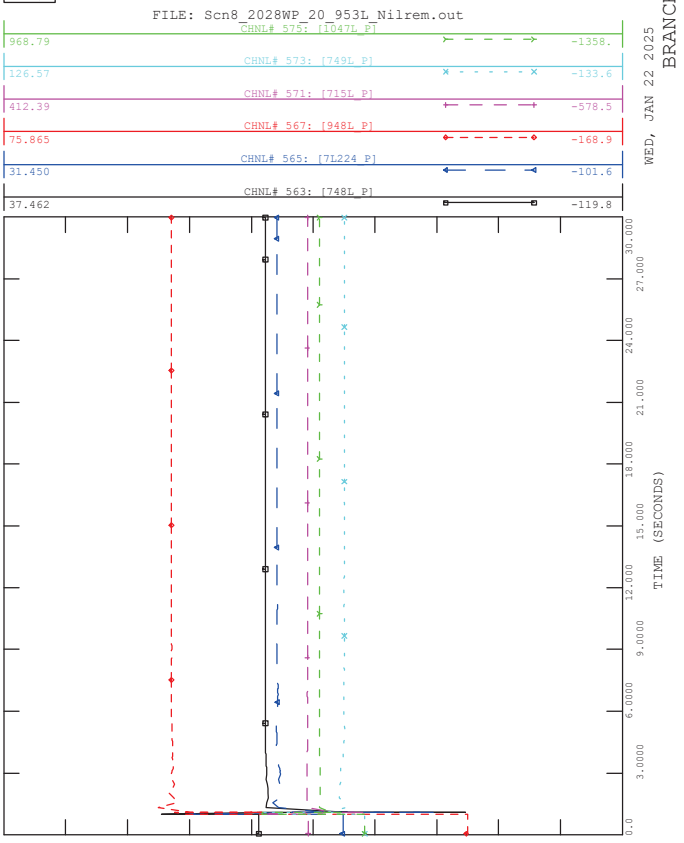
FILE: Scn8_2028WP_20_953L_Nilrem.out



WED, JAN 22 2025 9:15 BRANCH Q

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_20_953L_NILREM

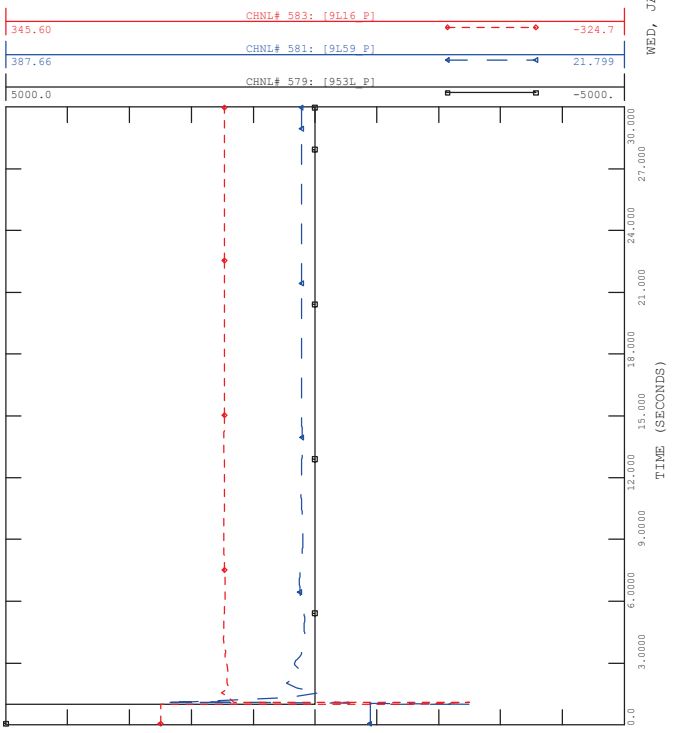
FILE: Scn8_2028WP_20_953L_Nilrem.out



WED, JAN 22 2025 9:15 BRANCH P

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_20_953L_NILREM

FILE: Scn8_2028WP_20_953L_Nilrem.out



WED, JAN 22 2025 9:15 BRANCH P

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_21_953L_CORDEL

FILE: Scn8_2028WP_21_953L_Cordel.out

WED, JAN 22 2025 9:15

ACTIVE POWER

CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.2394 -0.1623

CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.2524 -0.1623

CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
4.1184 -1.014

CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
4.2273 -1.077

CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.9629 -0.1088

CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.81970 -0.2058

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_21_953L_CORDEL

FILE: Scn8_2028WP_21_953L_Cordel.out

WED, JAN 22 2025 9:15

TERMINAL VOLTAGE

CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.4176 0.05660

CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.4178 0.05660

CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.2435 0.64750

CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.2266 0.66550

CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.2150 0.29890

CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1441 0.39720

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_21_953L_CORDEL

FILE: Scn8_2028WP_21_953L_Cordel.out

WED, JAN 22 2025 9:15

ROTOR ANGLE

CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
99.93 -64.40

CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
98.050 -66.86

CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
60.252 -81.67

CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
56.929 -82.62

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_21_953L_CORDEL

FILE: Scn8_2028WP_21_953L_Cordel.out

WED, JAN 22 2025 9:15

REACTIVE POWER

CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.4574 -0.4835

CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.4620 -0.4835

CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
6.1678 -3.235

CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
6.7057 -3.924

CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
6.8108 -2.376

CHNL# 277: [VARS 1496[BAT #4 16.000]4]
4.1750 -1.924

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_21_953L_CORDEL

FILE: Scn8_2028WP_21_953L_Cordel.out

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.3368 0.04280
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.2537 0.02060
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.1733 0.23460
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.1933 -0.0793
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.1938 -0.0623
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.3045 0.04550

BUS VOLTAGE
WED, JAN 22 2025 9:15
TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_21_953L_CORDEL

FILE: Scn8_2028WP_21_953L_Cordel.out

CHNL# 562: [885L_Q]
500.99 -352.9
CHNL# 560: [9L27_Q]
873.34 -668.9
CHNL# 558: [9L966_Q]
1550.6 -1342.
CHNL# 556: [954L_Q]
200.98 -263.4
CHNL# 554: [9L20_Q]
977.26 -642.4
CHNL# 552: [398L_Q]
113.67 -132.5

BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_21_953L_CORDEL

FILE: Scn8_2028WP_21_953L_Cordel.out

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.2217 0.07490
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.2725 0.05100
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.2930 0.05060
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.3060 -0.0031
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.2938 0.05090
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.3391 0.04500

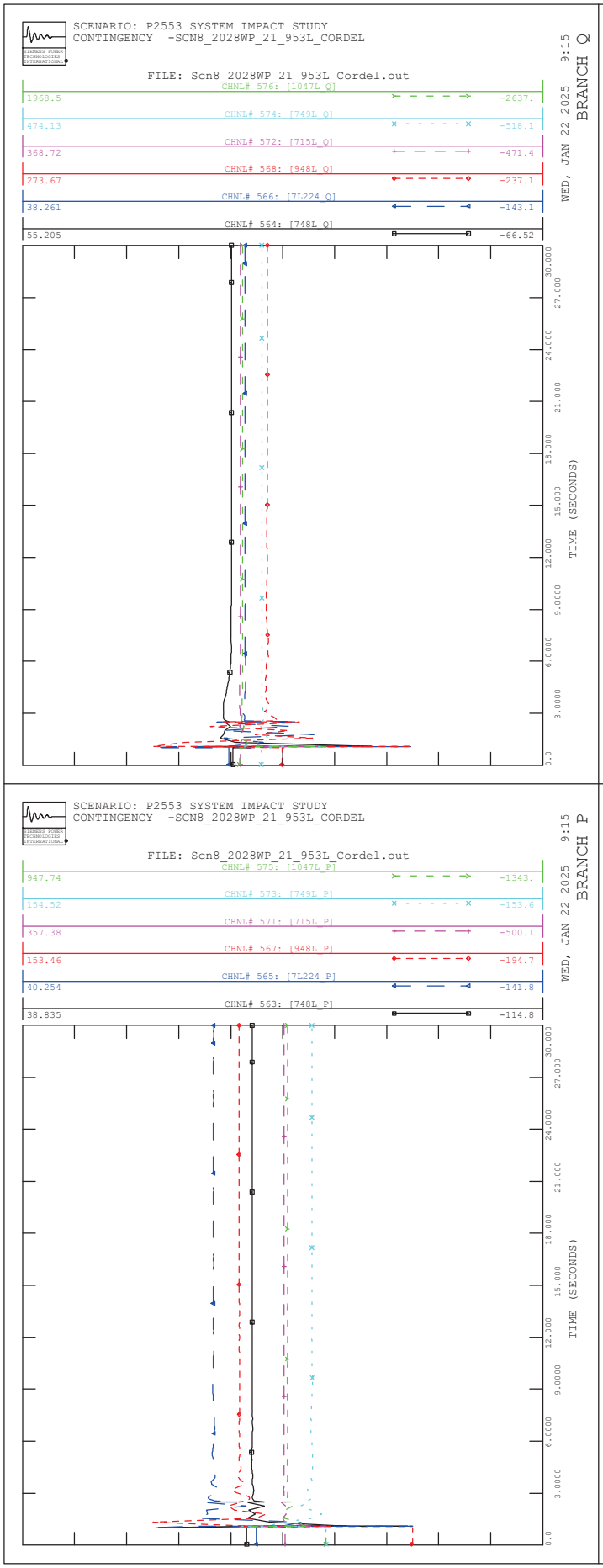
BUS VOLTAGE
WED, JAN 22 2025 9:15
TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_21_953L_CORDEL

FILE: Scn8_2028WP_21_953L_Cordel.out

CHNL# 561: [885L_P]
795.55 -556.0
CHNL# 559: [9L27_P]
1307.0 -1833.
CHNL# 557: [9L966_P]
1212.3 -842.2
CHNL# 555: [954L_P]
74.972 -64.44
CHNL# 553: [9L20_P]
1464.5 -1917.
CHNL# 551: [398L_P]
140.06 -197.4

BRANCH P
WED, JAN 22 2025 9:15
TIME (SECONDS)
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_21_953L_CORDEL
FILE: Scn8_2028WP_21_953L_Cordel.out
CHNL# 576: [I047L_Q]
1968.5
-2637.
CHNL# 574: [749L_Q]
474.13
-518.1
CHNL# 572: [715L_Q]
368.72
-471.4
CHNL# 568: [948L_Q]
273.67
-237.1
CHNL# 566: [7L224_Q]
38.261
-143.1
CHNL# 564: [748L_Q]
55.205
-66.52
BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
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3.0000
6.0000
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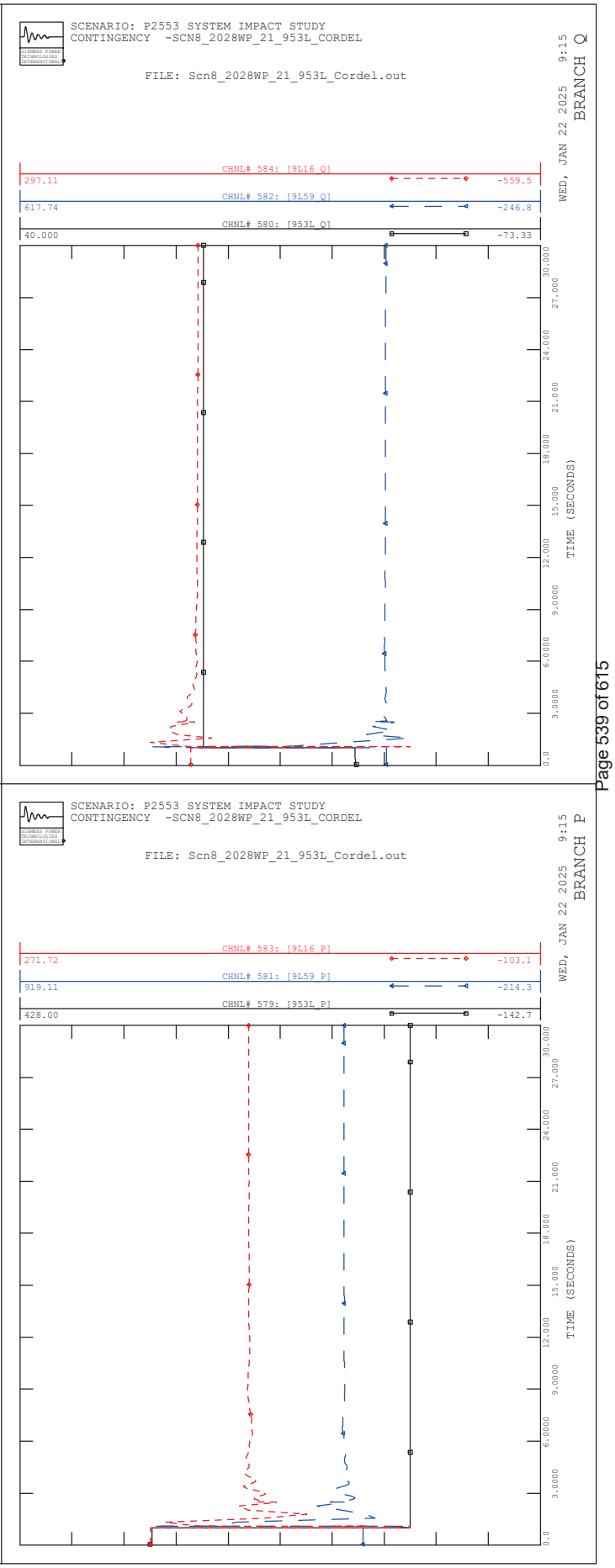
12.000
15.000
18.000
21.000
24.000
27.000
30.000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CONTINGENCY -SCN8_2028WP_21_953L_CORDEL
FILE: Scn8_2028WP_21_953L_Cordel.out
CHNL# 584: [9L16_Q]
297.11
-559.5
CHNL# 582: [9L59_Q]
617.74
-246.8
CHNL# 580: [953L_Q]
40.000
-73.33
BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_21_953L_CORDEL
FILE: Scn8_2028WP_21_953L_Cordel.out
CHNL# 575: [I047L_P]
947.74
-1343.
CHNL# 573: [749L_P]
154.52
-153.6
CHNL# 571: [715L_P]
357.38
-500.1
CHNL# 567: [948L_P]
153.46
-194.7
CHNL# 565: [7L224_P]
40.254
-141.8
CHNL# 563: [748L_P]
38.835
-114.8
BRANCH P
WED, JAN 22 2025 9:15
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_21_953L_CORDEL
FILE: Scn8_2028WP_21_953L_Cordel.out
CHNL# 583: [9L16_P]
271.72
-103.1
CHNL# 581: [9L59_P]
919.11
-214.3
CHNL# 579: [953L_P]
428.00
-142.7
BRANCH P
WED, JAN 22 2025 9:15
TIME (SECONDS)
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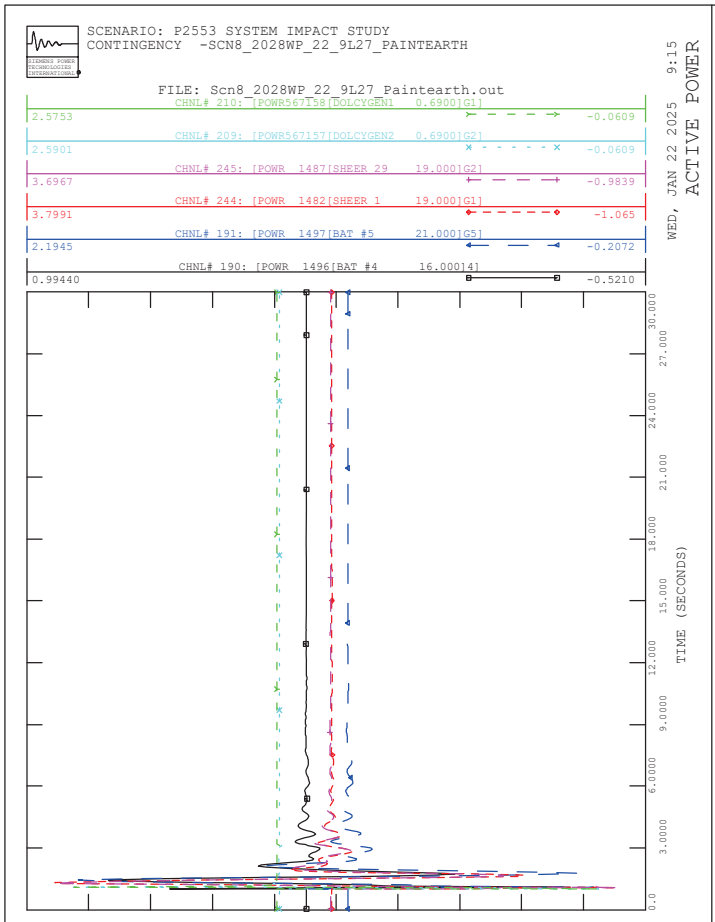
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000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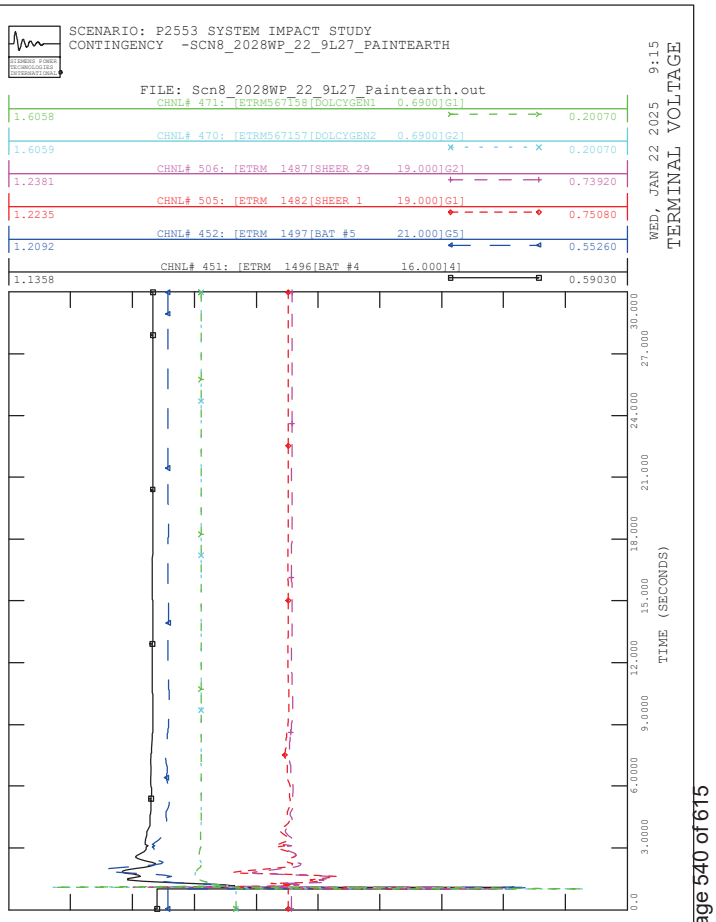
CONTINGENCY -SCN8_2028WP_22_9L27_PAINTEARTH
FILE: Scn8_2028WP_22_9L27_Paintearth.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.5753
-0.0609
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.5901
-0.0609
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
3.6967
-0.9839
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
3.7991
-1.065
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
2.1945
-0.2072
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.99440
-0.5210
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000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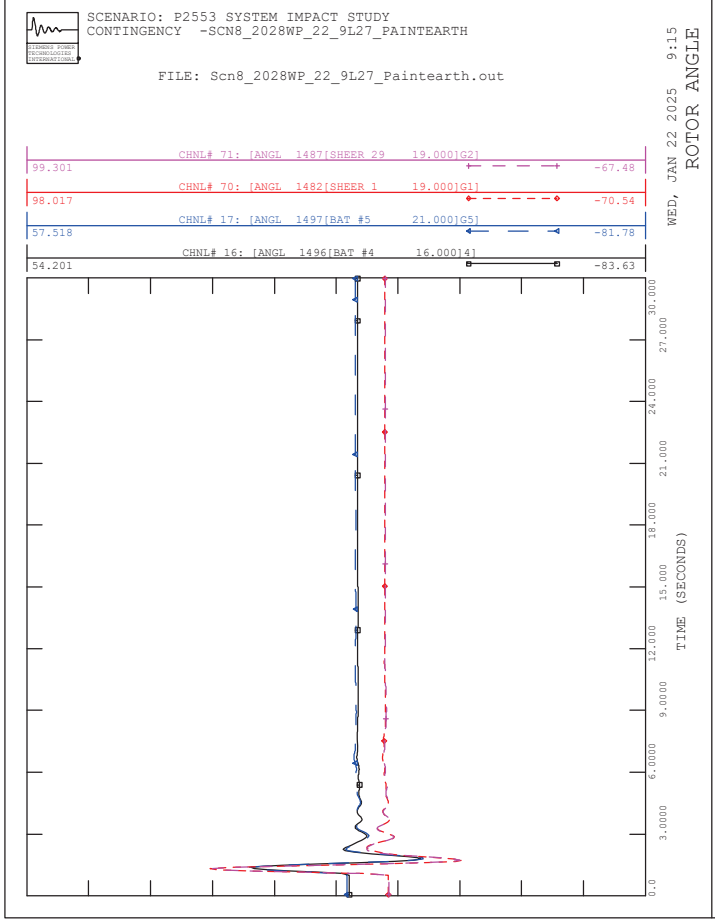
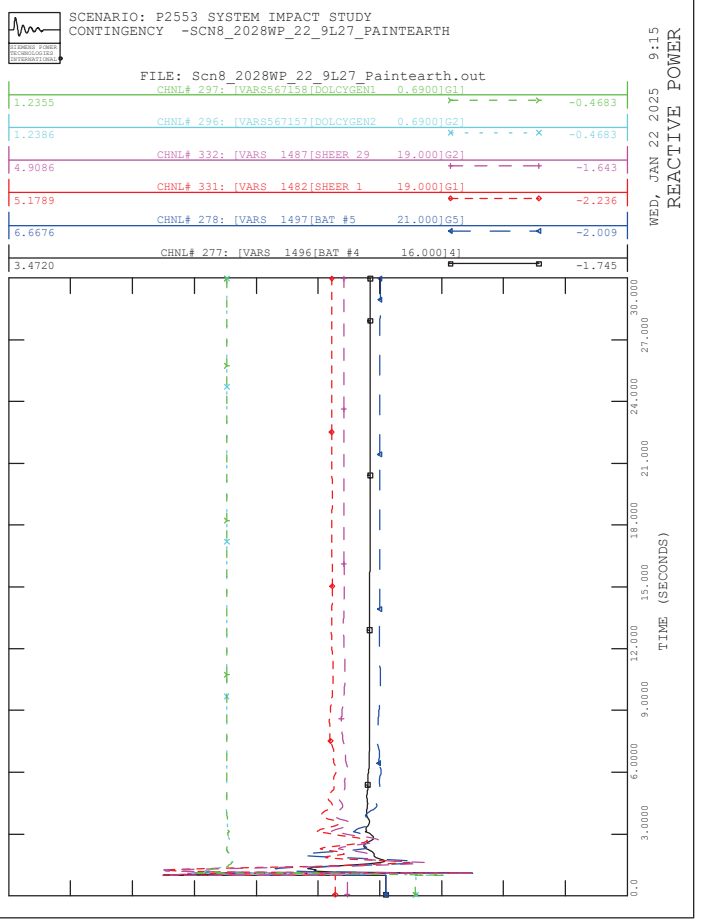
CONTINGENCY -SCN8_2028WP_22_9L27_PAINTEARTH
FILE: Scn8_2028WP_22_9L27_Paintearth.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.6058
0.20070
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.6059
0.20070
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.2381
0.73920
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.2235
0.75080
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.2092
0.55260
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1358
0.59030
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_22_9L27_PAINTEARTH
FILE: Scn8_2028WP_22_9L27_Paintearth.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
99.301
-67.48
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
98.017
-70.54
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
57.518
-81.78
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
54.201
-83.63
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_22_9L27_PAINTEARTH
FILE: Scn8_2028WP_22_9L27_Paintearth.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.2355
-0.4683
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.2386
-0.4683
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
4.9086
-1.643
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
5.1789
-2.236
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
6.6676
-2.009
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
3.4720
-1.745
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
0.0
3.0000
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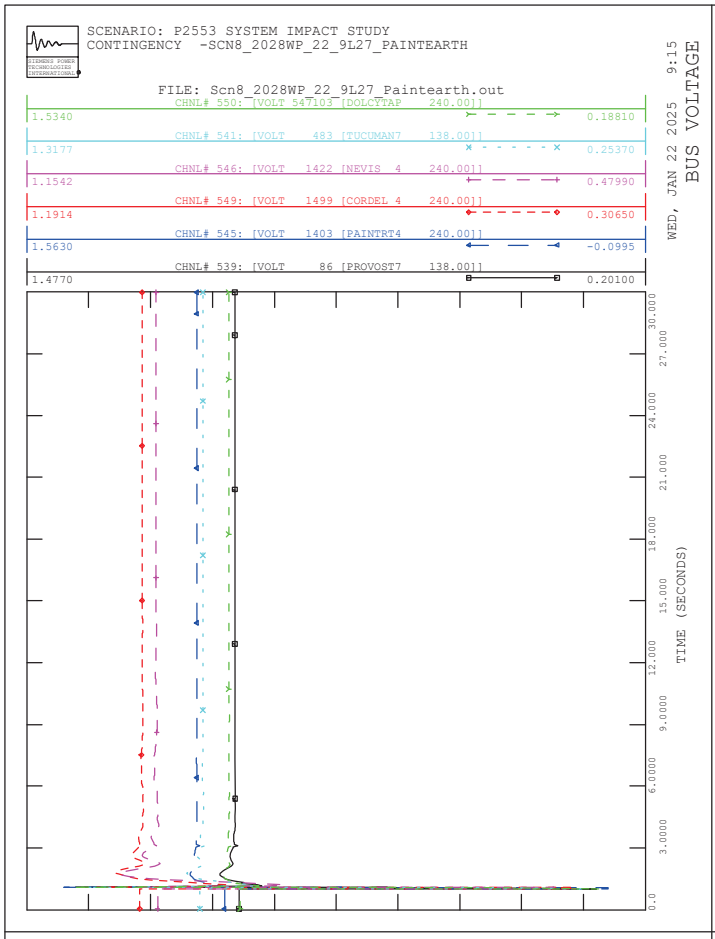
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_22_9L27_PAINTEARTH
FILE: Scn8_2028WP_22_9L27_Paintearth.out
CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.5340
0.18810
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.3177
0.25370
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.1542
0.47990
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.1914
0.30650
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.5630
-0.0995
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.4770
0.20100
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
0.0
3.0000
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12.000
15.000
18.000
21.000
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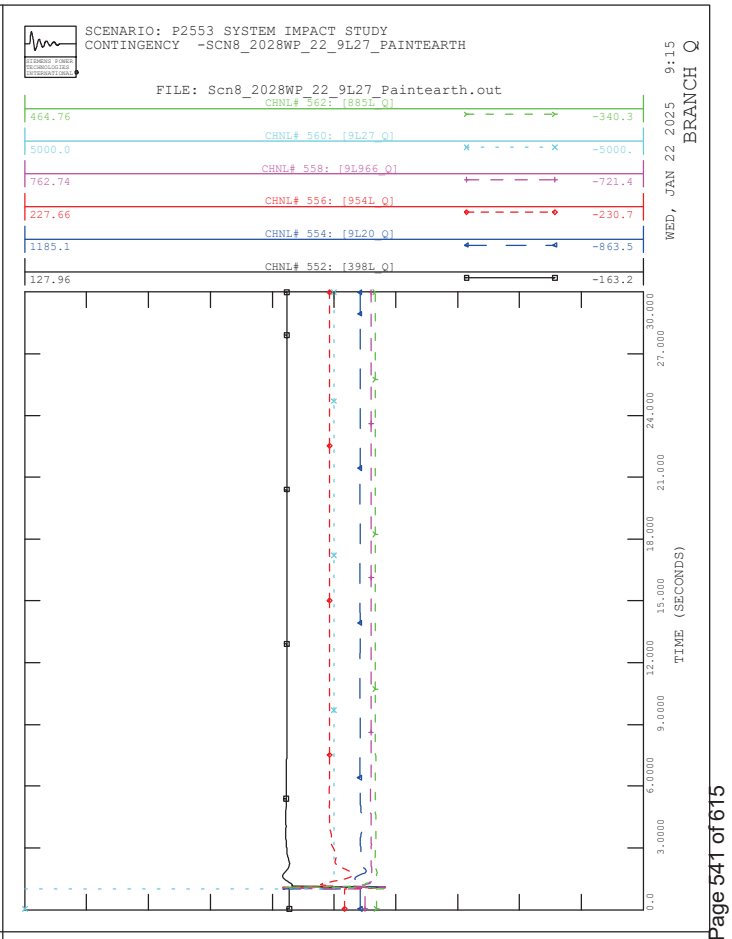
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_22_9L27_PAINTEARTH
FILE: Scn8_2028WP_22_9L27_Paintearth.out
CHNL# 562: [885L_Q]
464.76
-340.3
CHNL# 560: [9L27_Q]
5000.0
-5000.
CHNL# 558: [9L966_Q]
762.74
-721.4
CHNL# 556: [954L_Q]
227.66
-230.7
CHNL# 554: [9L20_Q]
1185.1
-863.5
CHNL# 552: [398L_Q]
127.96
-163.2
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
0.0
3.0000
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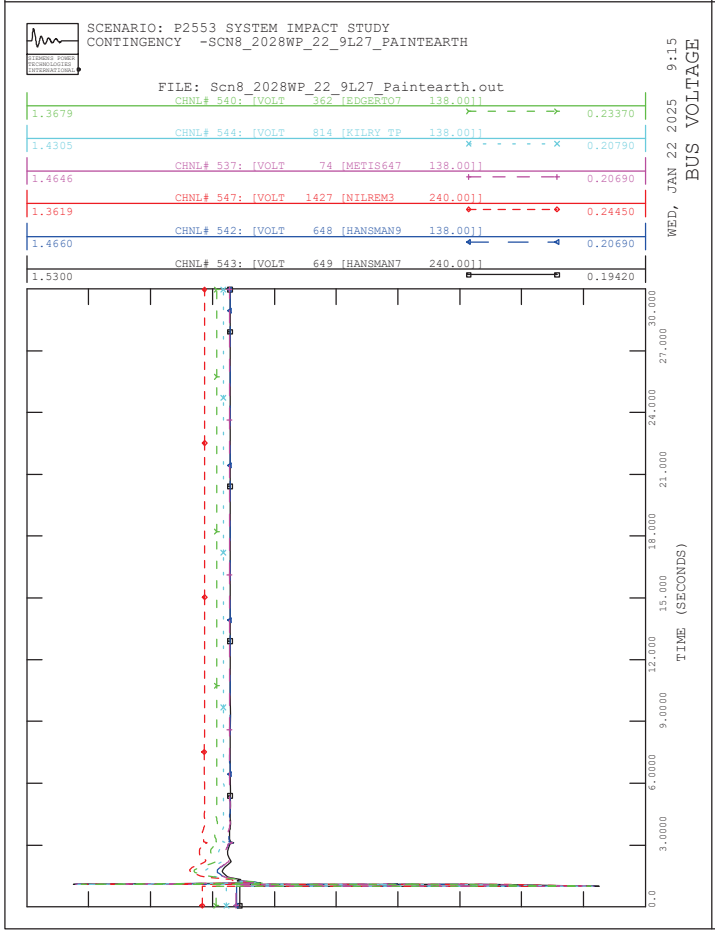
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_22_9L27_PAINTEARTH
FILE: Scn8_2028WP_22_9L27_Paintearth.out
CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.3679
0.23370
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.4305
0.20790
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.4646
0.20690
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.3619
0.24450
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.4660
0.20690
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.5300
0.19420
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
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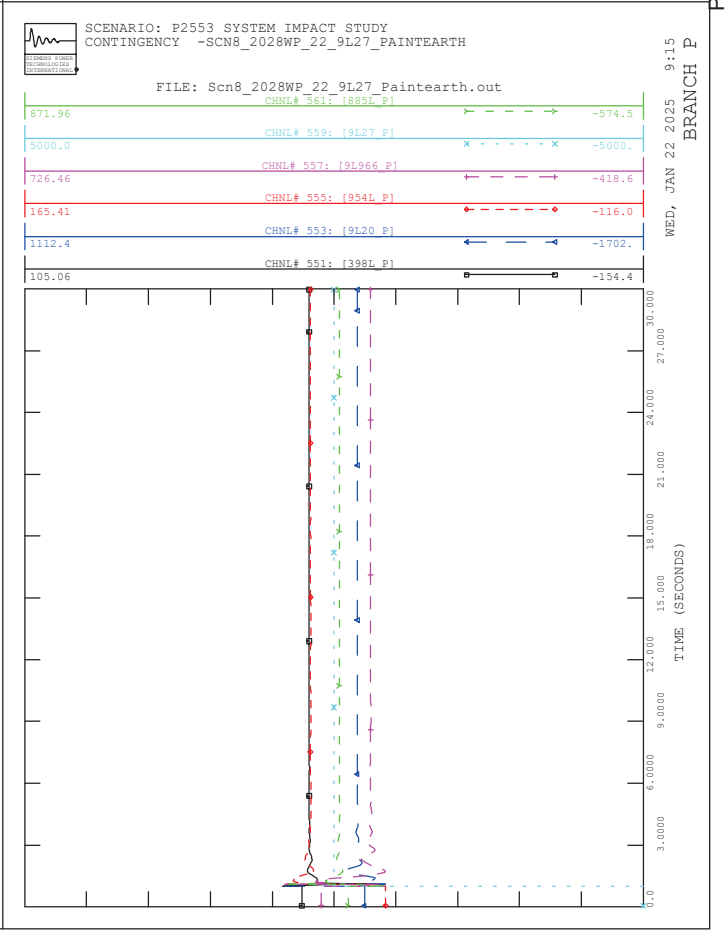
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_22_9L27_PAINTEARTH
FILE: Scn8_2028WP_22_9L27_Paintearth.out
CHNL# 561: [885L_P]
871.96
-574.5
CHNL# 559: [9L27_P]
5000.0
-5000.
CHNL# 557: [9L966_P]
726.46
-418.6
CHNL# 555: [954L_P]
165.41
-116.0
CHNL# 553: [9L20_P]
1112.4
-1702.
CHNL# 551: [398L_P]
105.06
-154.4
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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6.0000
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12.000
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18.000
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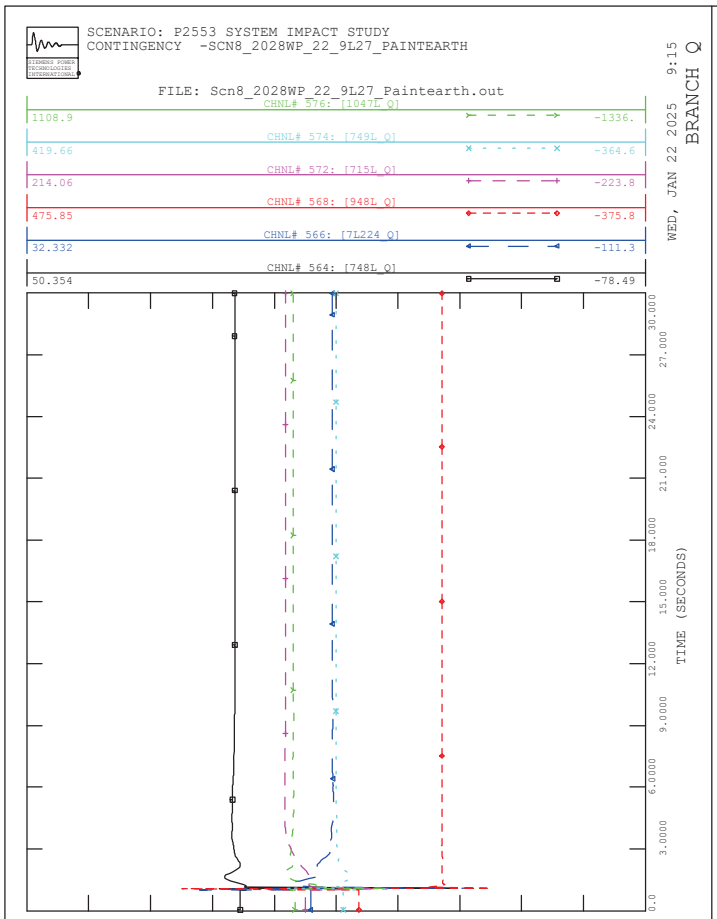
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_22_9L27_PAINTEARTH
FILE: Scn8_2028WP_22_9L27_Paintearth.out
CHNL# 576: [1047L Q]
1108.9
-1336.
CHNL# 574: [749L Q]
419.66
-364.6
CHNL# 572: [715L Q]
214.06
-223.8
CHNL# 568: [948L Q]
475.85
-375.8
CHNL# 566: [7L224 Q]
32.332
-111.3
CHNL# 564: [748L Q]
50.354
-78.49
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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6.0000
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12.000
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18.000
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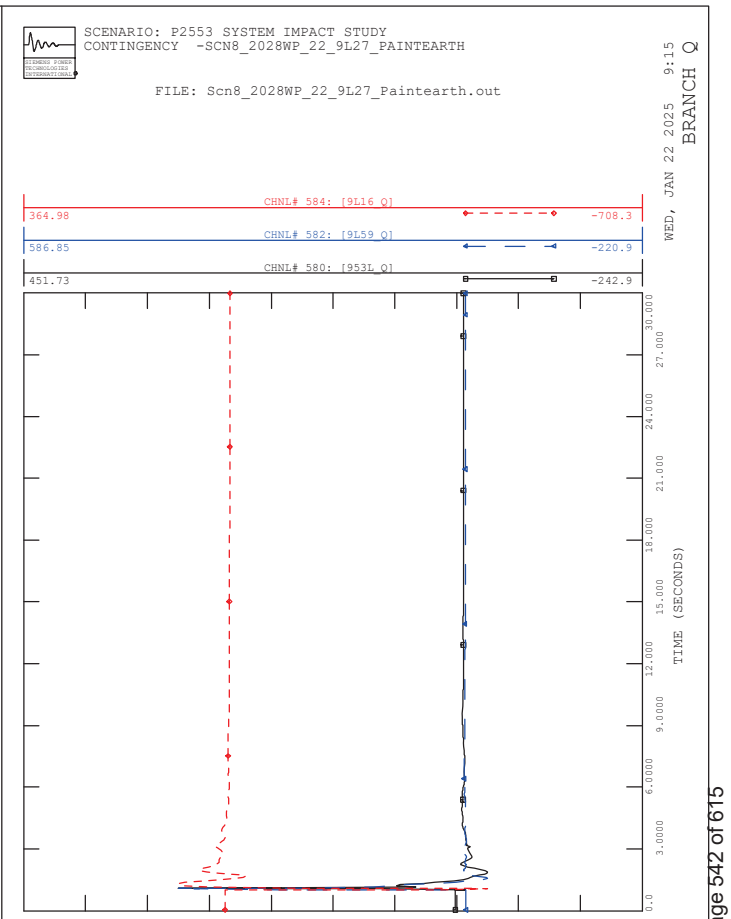
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_22_9L27_PAINTEARTH
FILE: Scn8_2028WP_22_9L27_Paintearth.out
CHNL# 584: [9L16 Q]
364.98
-708.3
CHNL# 582: [9L59 Q]
586.85
-220.9
CHNL# 580: [953L Q]
451.73
-242.9
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
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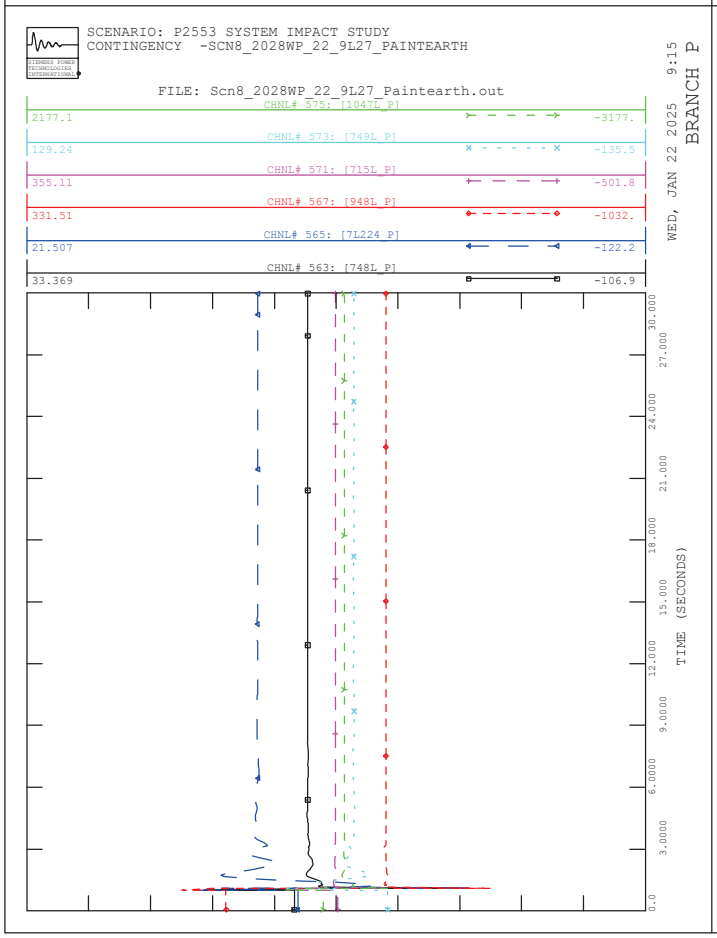
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_22_9L27_PAINTEARTH
FILE: Scn8_2028WP_22_9L27_Paintearth.out
CHNL# 575: [1047L P]
2177.1
-3177.
CHNL# 573: [749L P]
129.24
-135.5
CHNL# 571: [715L P]
355.11
-501.8
CHNL# 567: [948L P]
331.51
-1032.
CHNL# 565: [7L224 P]
21.507
-122.2
CHNL# 563: [748L P]
33.369
-106.9
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
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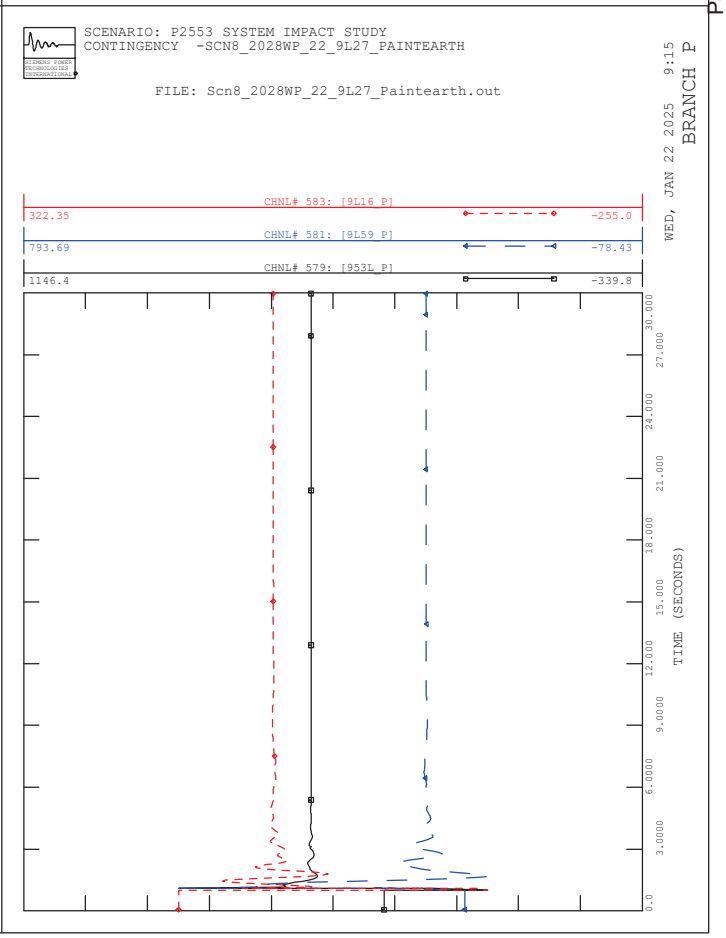
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_22_9L27_PAINTEARTH
FILE: Scn8_2028WP_22_9L27_Paintearth.out
CHNL# 583: [9L16 P]
322.35
-255.0
CHNL# 581: [9L59 P]
793.69
-78.43
CHNL# 579: [953L P]
1146.4
-339.8
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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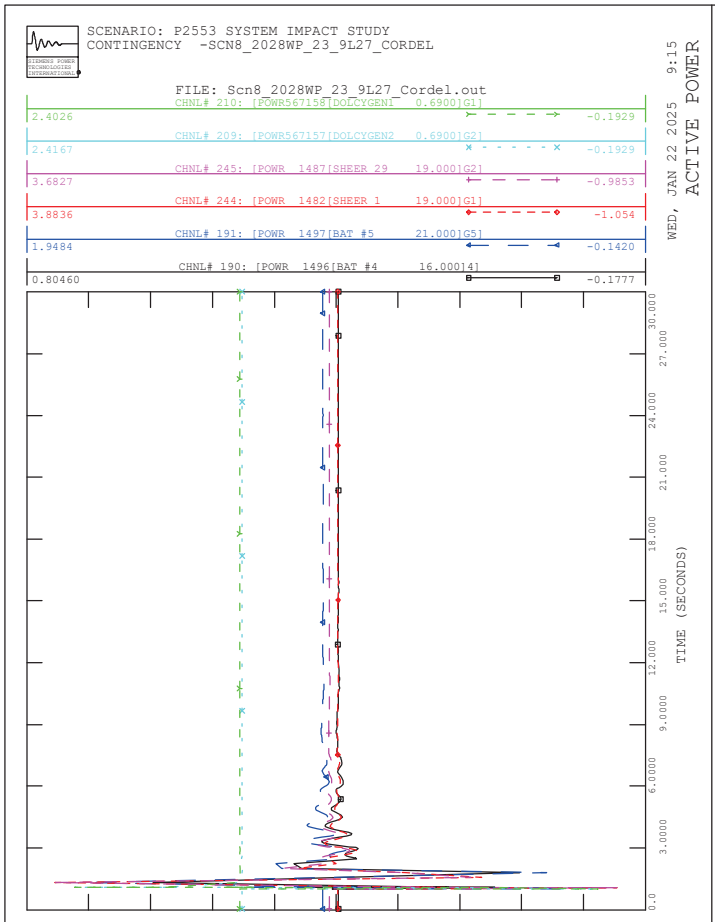
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_23_9L27_CORDEL
FILE: Scn8_2028WP_23_9L27_Cordel.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.4026
-0.1929
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.4167
-0.1929
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
3.6827
-0.9853
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
3.8836
-1.054
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.9484
-0.1420
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.80460
-0.1777
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
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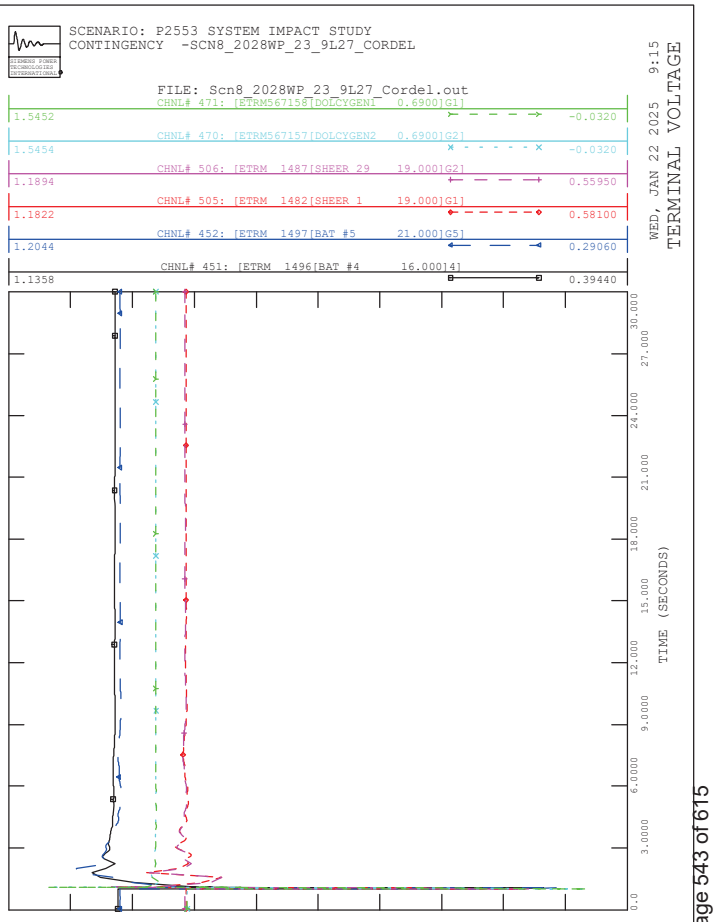
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_23_9L27_CORDEL
FILE: Scn8_2028WP_23_9L27_Cordel.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.5452
-0.0320
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.5454
-0.0320
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1894
0.55950
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1822
0.58100
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.2044
0.29060
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1358
0.39440
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
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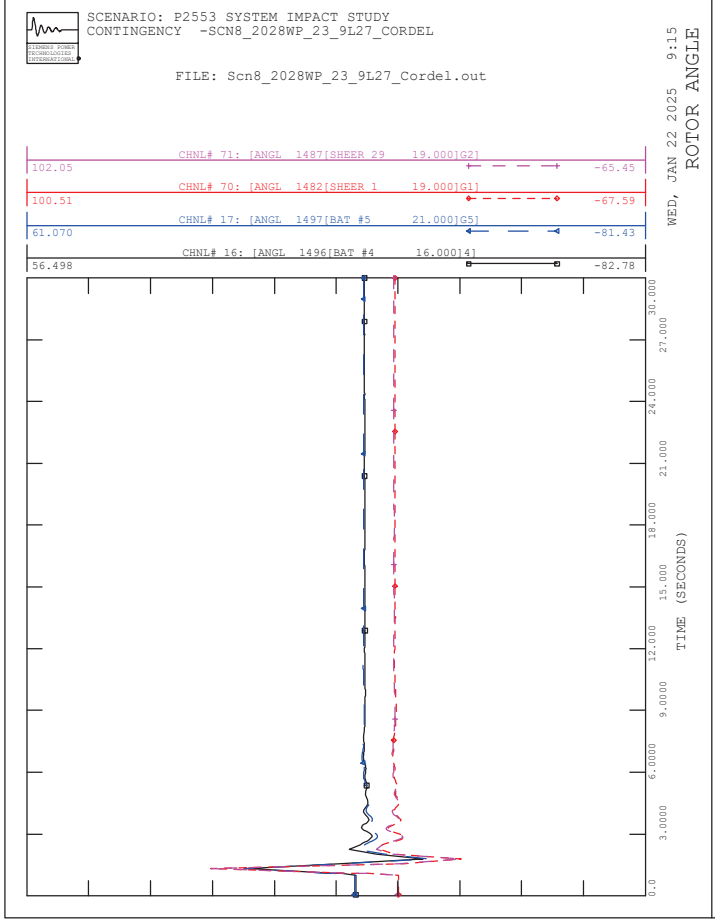
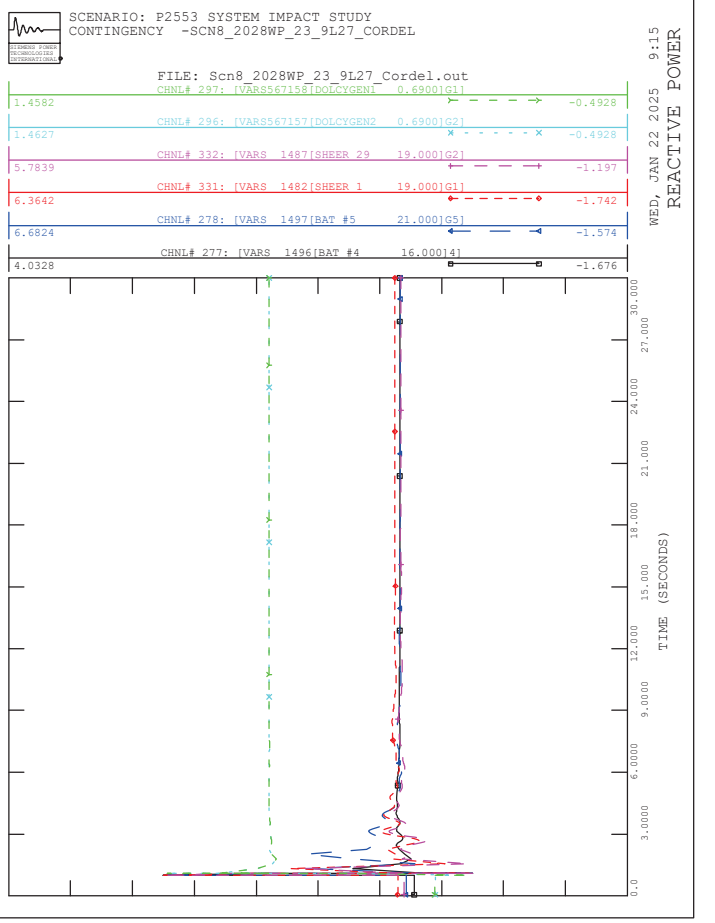
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_23_9L27_CORDEL
FILE: Scn8_2028WP_23_9L27_Cordel.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
102.05
-65.45
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
100.51
-67.59
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
61.070
-81.43
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
56.498
-82.78
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_23_9L27_CORDEL
FILE: Scn8_2028WP_23_9L27_Cordel.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.4582
-0.4928
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.4627
-0.4928
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
5.7839
-1.197
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
6.3642
-1.742
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
6.6824
-1.574
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
4.0328
-1.676
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

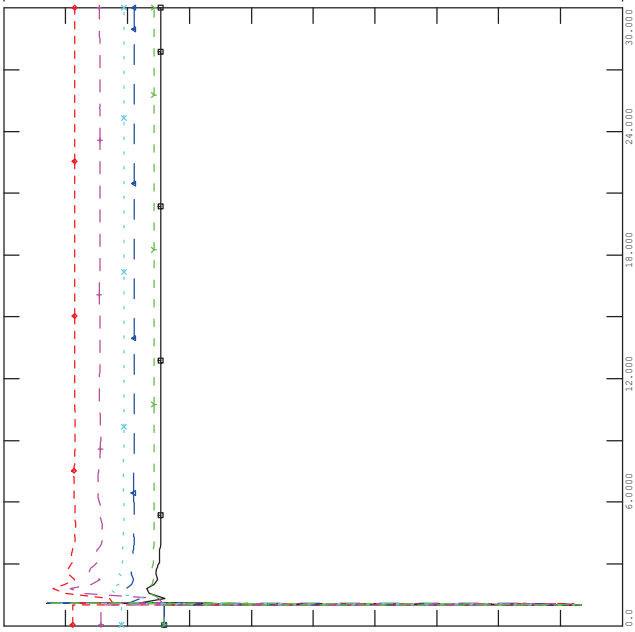
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_23_9L27_CORDEL

FILE: Scn8_2028WP_23_9L27_Cordel.out

WED, JAN 22 2025 9:15 BUS VOLTAGE

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]] 1.4546 -0.0311
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]] 1.2626 -0.0153
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]] 1.1576 0.22810
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]] 1.1710 -0.0927
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]] 1.4238 -0.0855
CHNL# 539: [VOLT 86 [PROVOST7 138.00]] 1.4104 -0.0209

TIME (SECONDS)



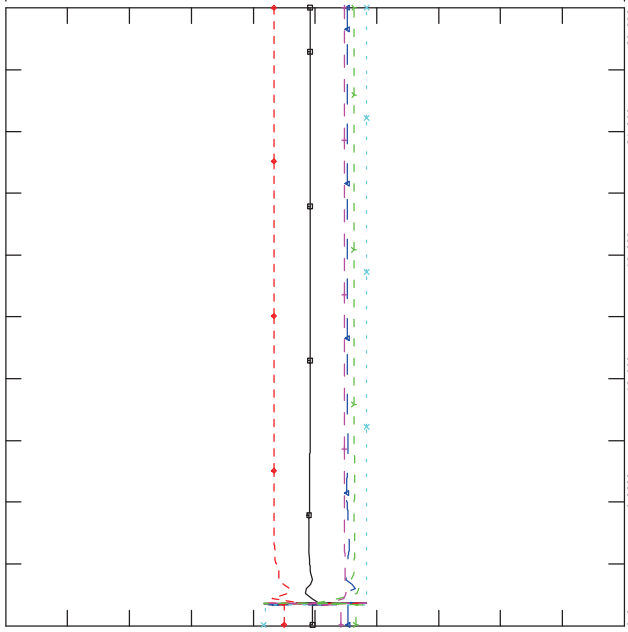
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_23_9L27_CORDEL

FILE: Scn8_2028WP_23_9L27_Cordel.out

WED, JAN 22 2025 9:15 BRANCH Q

CHNL# 562: [885L Q] 249.77 -179.1
CHNL# 560: [9L27 Q] 210.69 -150.5
CHNL# 558: [9L966 Q] 1335.0 -1227.
CHNL# 556: [954L Q] 296.41 -383.3
CHNL# 554: [9L20 Q] 1062.2 -725.2
CHNL# 552: [398L Q] 149.58 -145.2

TIME (SECONDS)



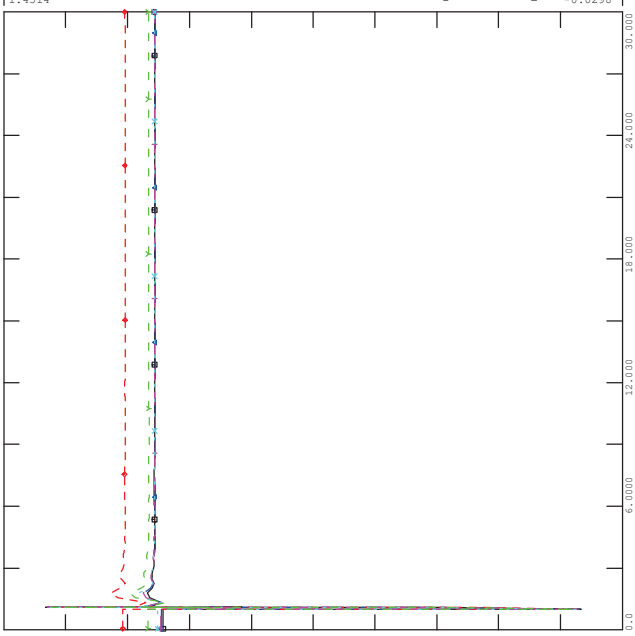
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_23_9L27_CORDEL

FILE: Scn8_2028WP_23_9L27_Cordel.out

WED, JAN 22 2025 9:15 BUS VOLTAGE

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]] 1.3250 0.02330
CHNL# 544: [VOLT 814 [KILRY TP 138.00]] 1.3814 -0.0116
CHNL# 537: [VOLT 74 [METIS647 138.00]] 1.3989 -0.0193
CHNL# 547: [VOLT 1427 [NILREM3 240.00]] 1.3039 -0.0395
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]] 1.3999 -0.0193
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]] 1.4514 -0.0298

TIME (SECONDS)



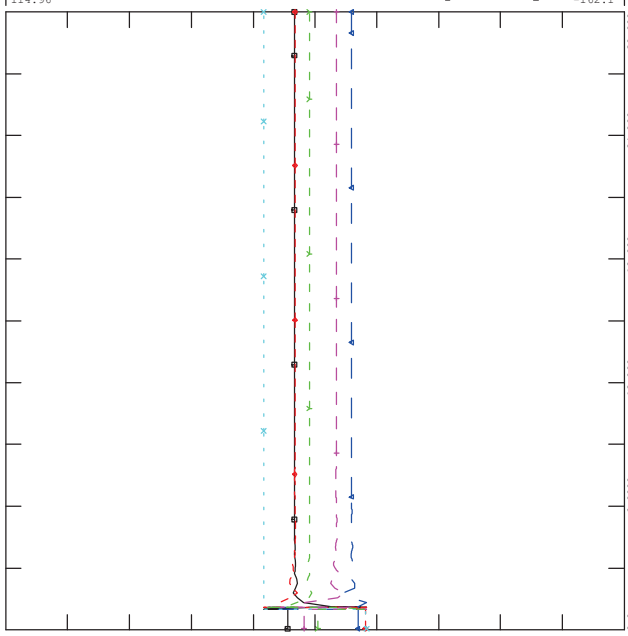
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_23_9L27_CORDEL

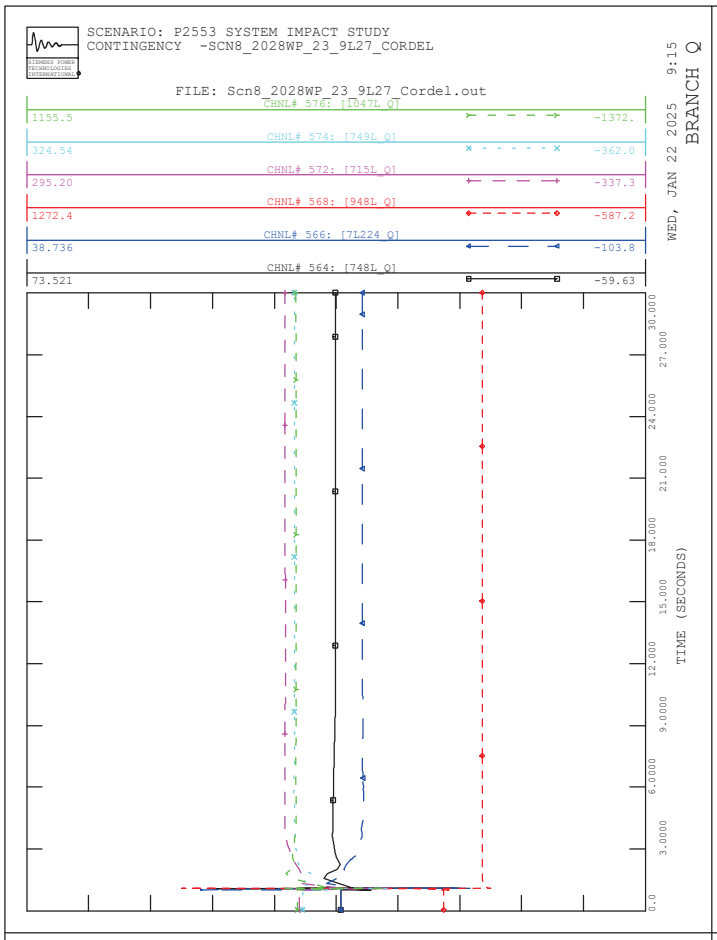
FILE: Scn8_2028WP_23_9L27_Cordel.out

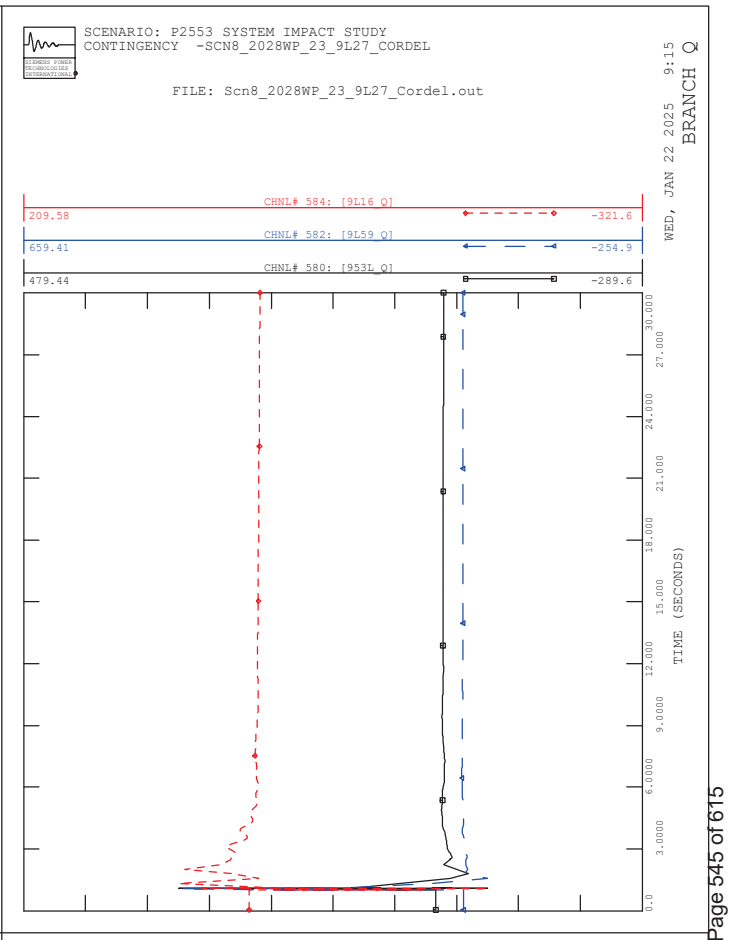
WED, JAN 22 2025 9:15 BRANCH P

CHNL# 561: [885L P] 847.95 -602.3
CHNL# 559: [9L27 P] 841.28 -1178.
CHNL# 557: [9L966 P] 1010.3 -718.3
CHNL# 555: [954L P] 175.18 -123.9
CHNL# 553: [9L20 P] 1390.5 -1811.
CHNL# 551: [398L P] 114.96 -162.1

TIME (SECONDS)




SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_23_9L27_CORDEL
FILE: Scn8_2028WP_23_9L27_Cordel.out
CHNL# 576: [I047L_Q]
1155.5
-1372.
CHNL# 574: [749L_Q]
324.54
-362.0
CHNL# 572: [715L_Q]
295.20
-337.3
CHNL# 568: [948L_Q]
1272.4
-587.2
CHNL# 566: [7L224_Q]
38.736
-103.8
CHNL# 564: [748L_Q]
73.521
-59.63
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_23_9L27_CORDEL
FILE: Scn8_2028WP_23_9L27_Cordel.out
CHNL# 584: [9L16_Q]
209.58
-321.6
CHNL# 582: [9L59_Q]
659.41
-254.9
CHNL# 580: [953L_Q]
479.44
-289.6
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
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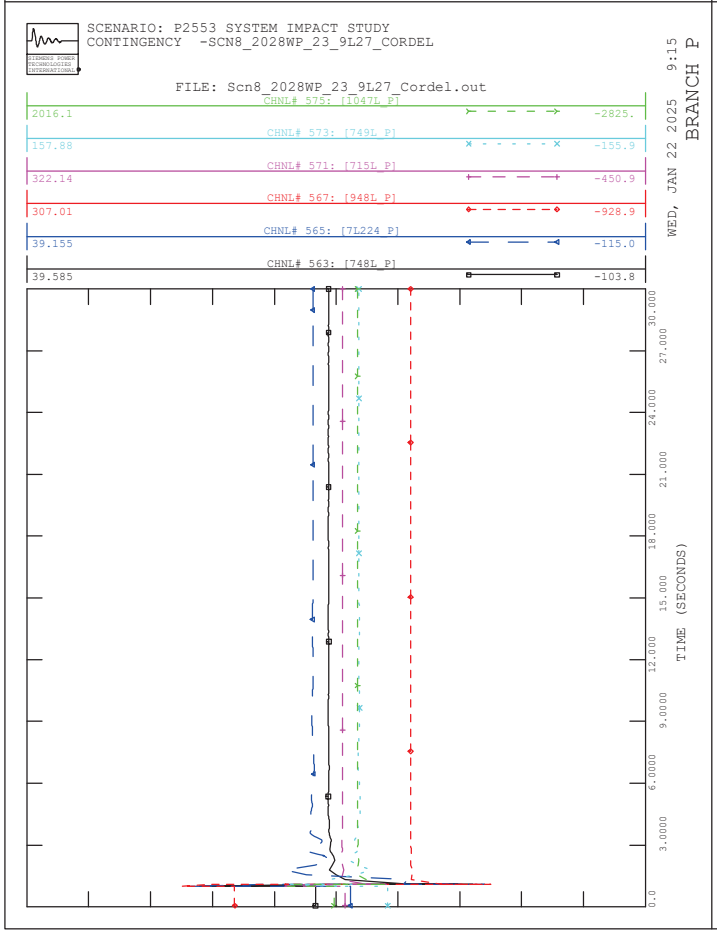
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_23_9L27_CORDEL
FILE: Scn8_2028WP_23_9L27_Cordel.out
CHNL# 575: [I047L_P]
2016.1
-2825.
CHNL# 573: [749L_P]
157.88
-155.9
CHNL# 571: [715L_P]
322.14
-450.9
CHNL# 567: [948L_P]
307.01
-928.9
CHNL# 565: [7L224_P]
39.155
-115.0
CHNL# 563: [748L_P]
39.585
-103.8
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
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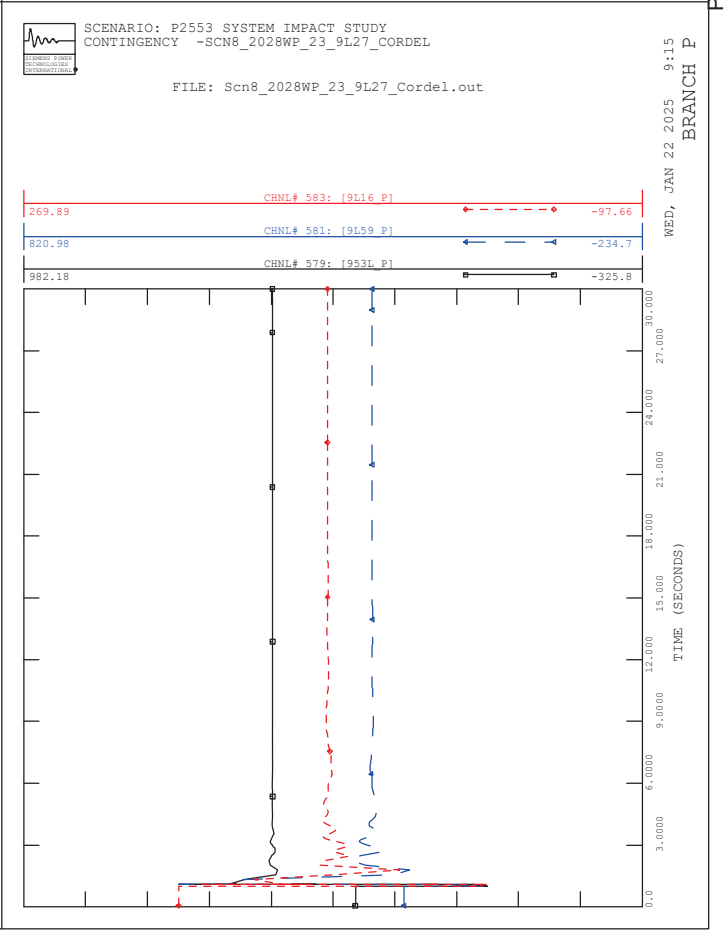
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_23_9L27_CORDEL
FILE: Scn8_2028WP_23_9L27_Cordel.out
CHNL# 583: [9L16_P]
269.89
-97.66
CHNL# 581: [9L59_P]
820.98
-234.7
CHNL# 579: [953L_P]
982.18
-325.8
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
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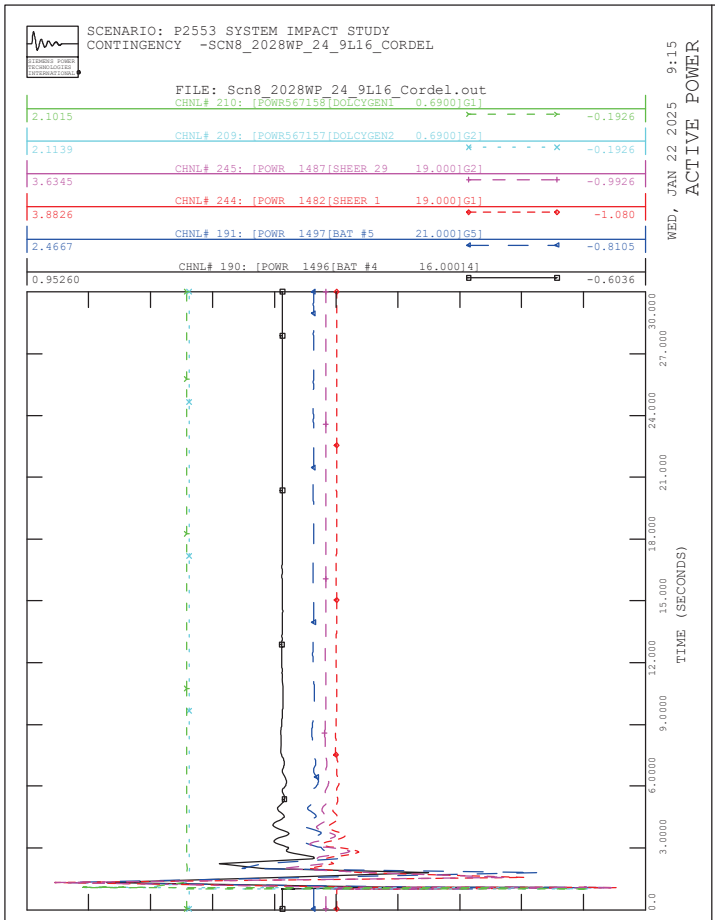
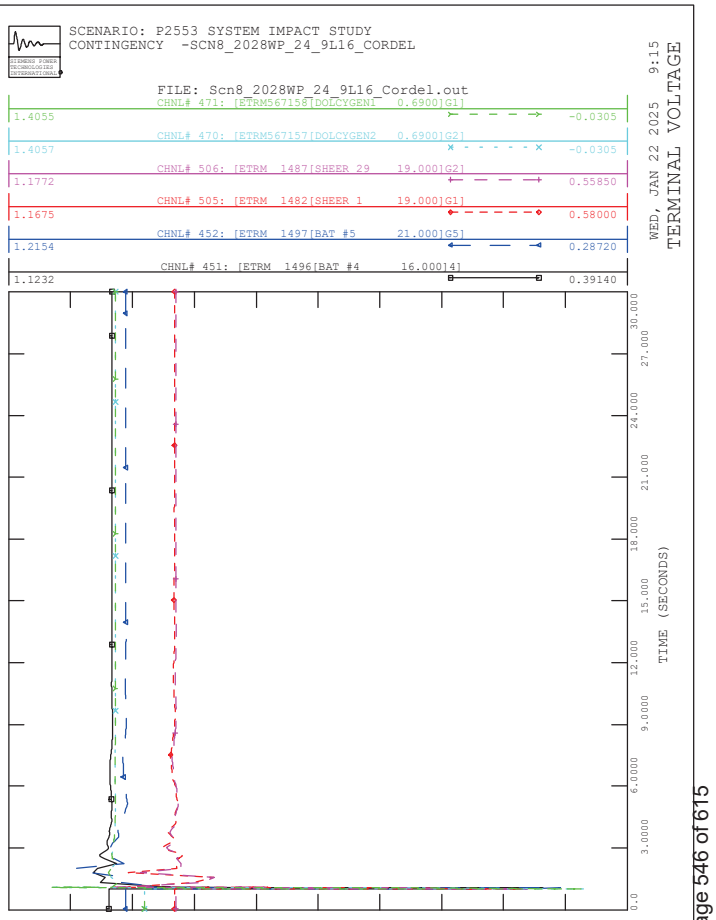
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_24_9L16_CORDEL
FILE: Scn8_2028WP_24_9L16_Cordel.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.1015
-0.1926
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.1139
-0.1926
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
3.6345
-0.9926
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
3.8826
-1.080
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
2.4667
-0.8105
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.95260
-0.6036
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_24_9L16_CORDEL
FILE: Scn8_2028WP_24_9L16_Cordel.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
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-0.0305
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.4057
-0.0305
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1772
0.55850
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1675
0.58000
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.2154
0.28720
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1232
0.39140
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
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9.0000
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15.000
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21.000
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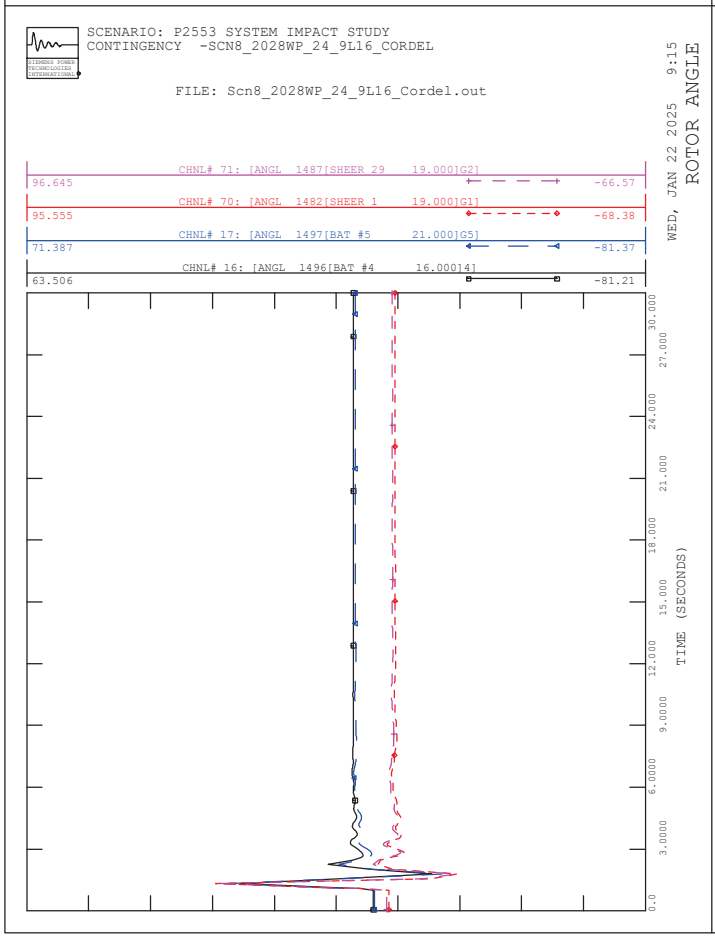
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_24_9L16_CORDEL
FILE: Scn8_2028WP_24_9L16_Cordel.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
96.645
-66.57
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
95.555
-68.38
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
71.387
-81.37
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
63.506
-81.21
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
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3.0000
6.0000
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18.000
21.000
24.000
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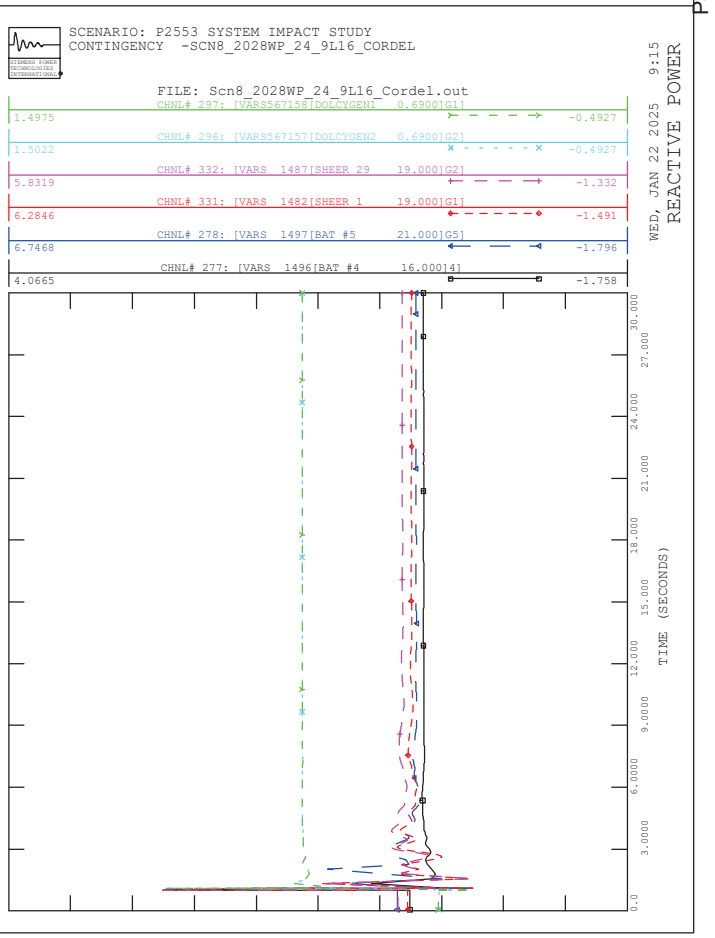
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_24_9L16_CORDEL
FILE: Scn8_2028WP_24_9L16_Cordel.out
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-0.4927
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.5022
-0.4927
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
5.8319
-1.332
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
6.2846
-1.491
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
6.7468
-1.796
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
4.0665
-1.758
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
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12.000
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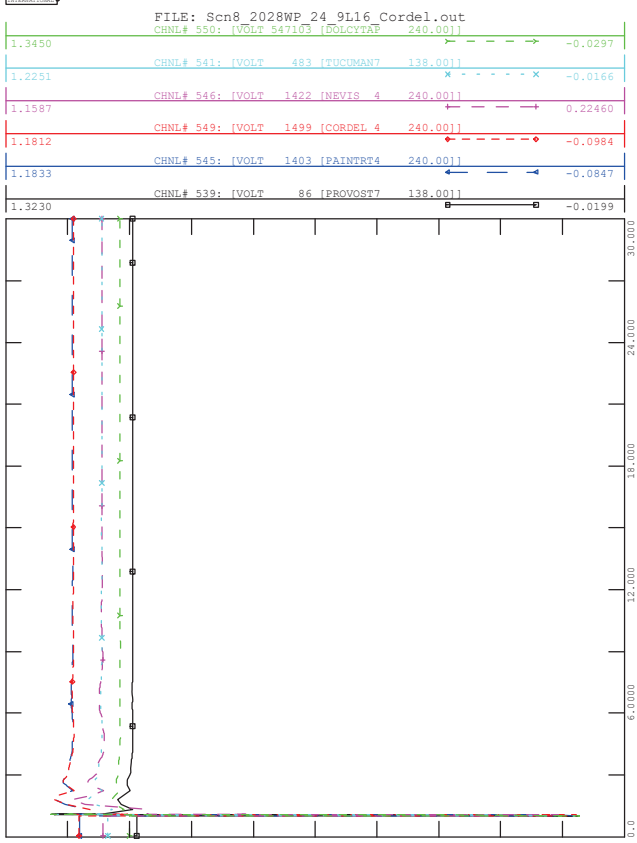
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_24_9L16_CORDEL

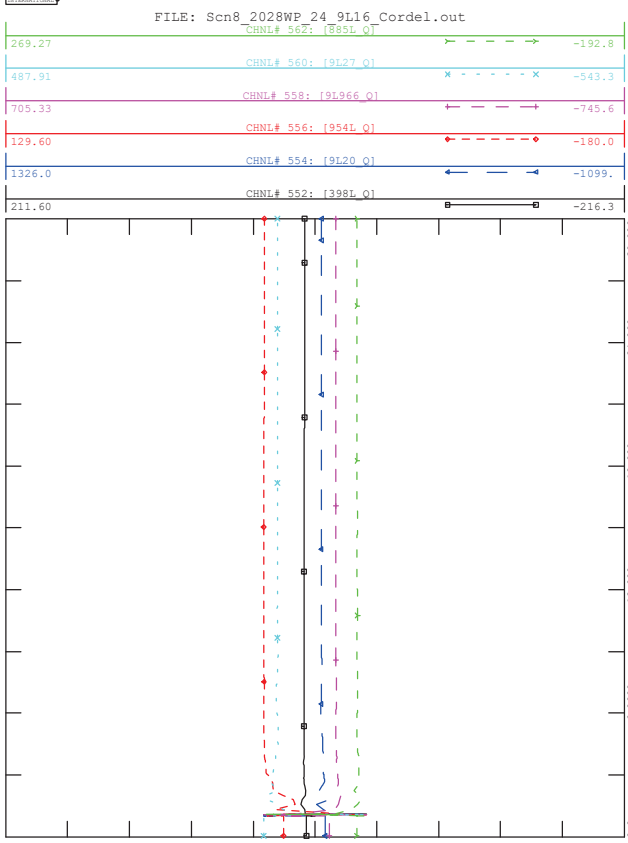
FILE: Scn8_2028WP_24_9L16_Cordel.out



WED, JAN 22 2025 9:15
BUS VOLTAGE

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_24_9L16_CORDEL

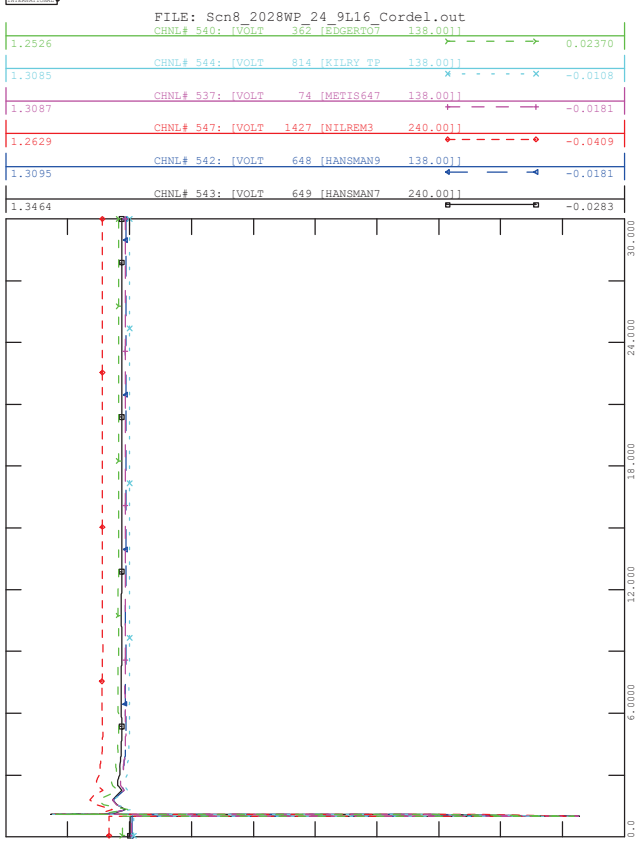
FILE: Scn8_2028WP_24_9L16_Cordel.out



WED, JAN 22 2025 9:15
BRANCH Q

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_24_9L16_CORDEL

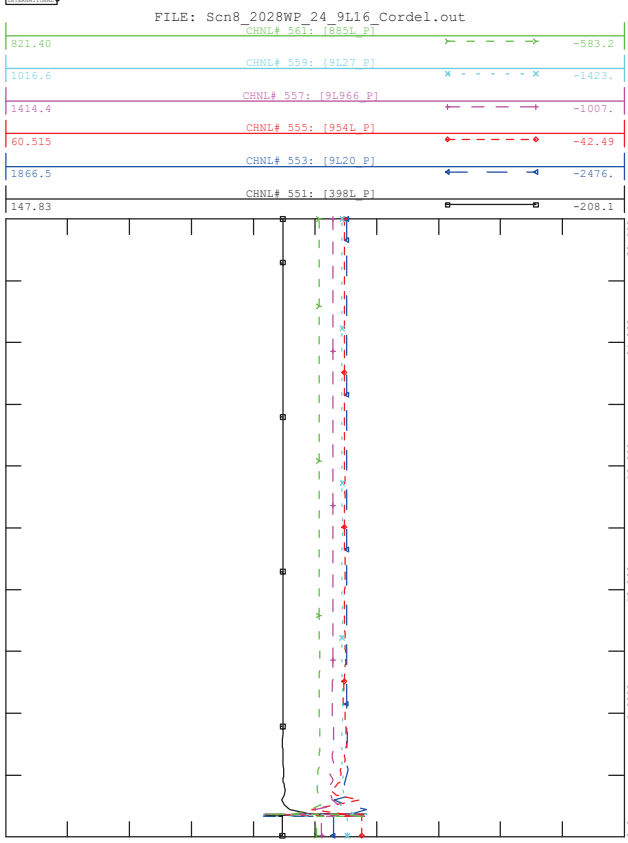
FILE: Scn8_2028WP_24_9L16_Cordel.out



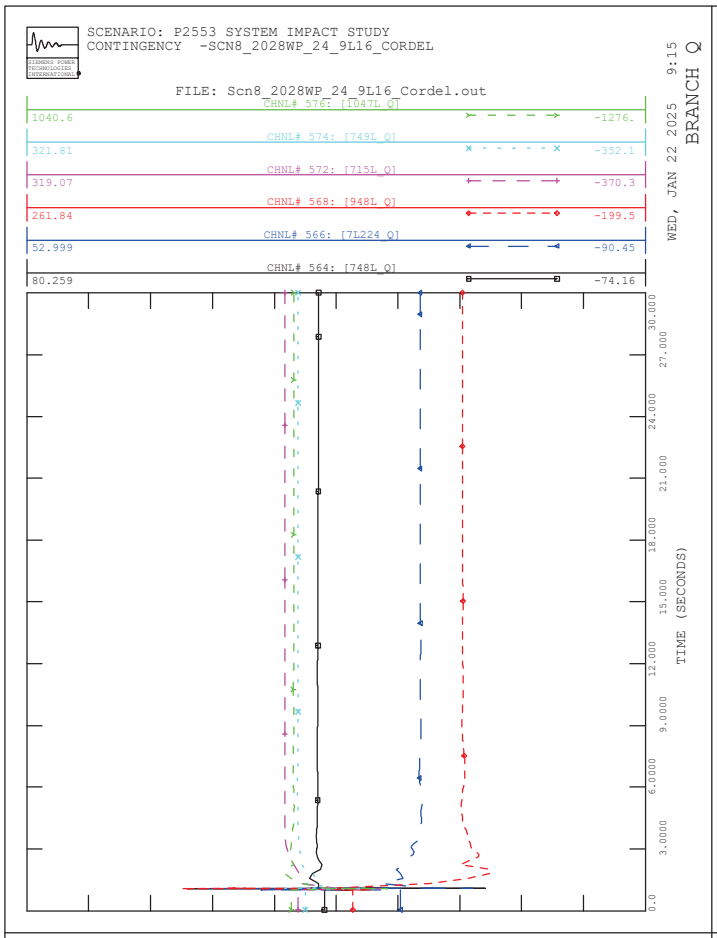
WED, JAN 22 2025 9:15
BUS VOLTAGE

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_24_9L16_CORDEL

FILE: Scn8_2028WP_24_9L16_Cordel.out



WED, JAN 22 2025 9:15
BRANCH P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CONTINGENCY -SCN8_2028WP_24_9L16_CORDEL
FILE: Scn8_2028WP_24_9L16_Cordel.out
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-1276.
CHNL# 574: [749L_Q]
321.81
-352.1
CHNL# 572: [715L_Q]
319.07
-370.3
CHNL# 568: [948L_Q]
261.84
-199.5
CHNL# 566: [7L224_Q]
52.999
-90.45
CHNL# 564: [748L_Q]
80.259
-74.16
BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
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3.0000
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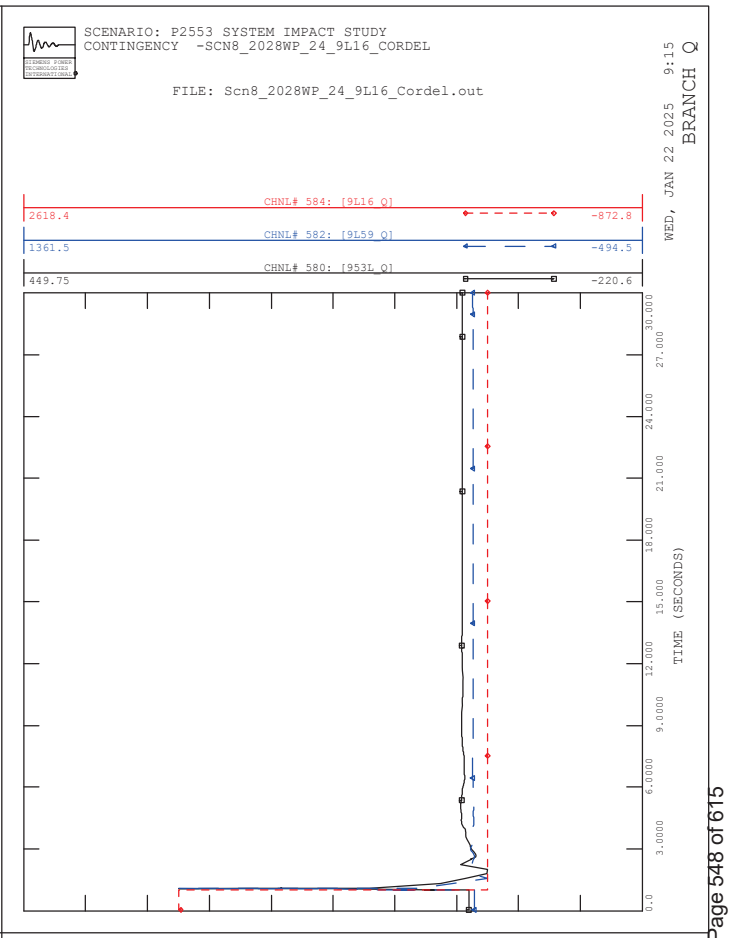
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CONTINGENCY -SCN8_2028WP_24_9L16_CORDEL
FILE: Scn8_2028WP_24_9L16_Cordel.out
CHNL# 584: [9L16_Q]
2618.4
-872.8
CHNL# 582: [9L59_Q]
1361.5
-494.5
CHNL# 580: [953L_Q]
449.75
-220.6
BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
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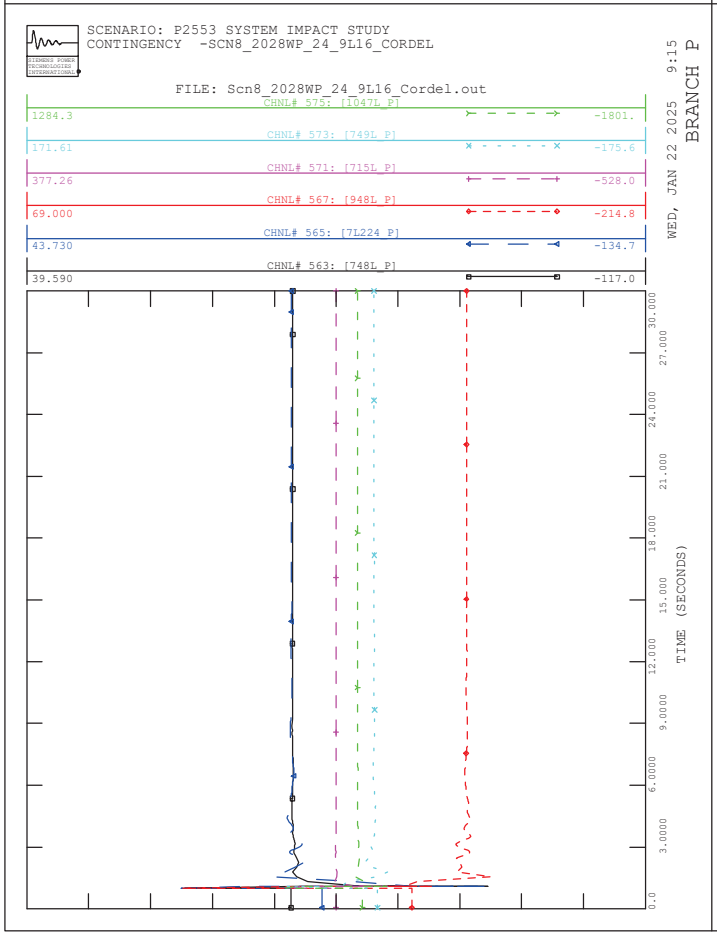
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000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CONTINGENCY -SCN8_2028WP_24_9L16_CORDEL
FILE: Scn8_2028WP_24_9L16_Cordel.out
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1284.3
-1801.
CHNL# 573: [749L_P]
171.61
-175.6
CHNL# 571: [715L_P]
377.26
-528.0
CHNL# 567: [948L_P]
69.000
-214.8
CHNL# 565: [7L224_P]
43.730
-134.7
CHNL# 563: [748L_P]
39.590
-117.0
BRANCH P
WED, JAN 22 2025 9:15
TIME (SECONDS)
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9.0000
12.000
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18.000
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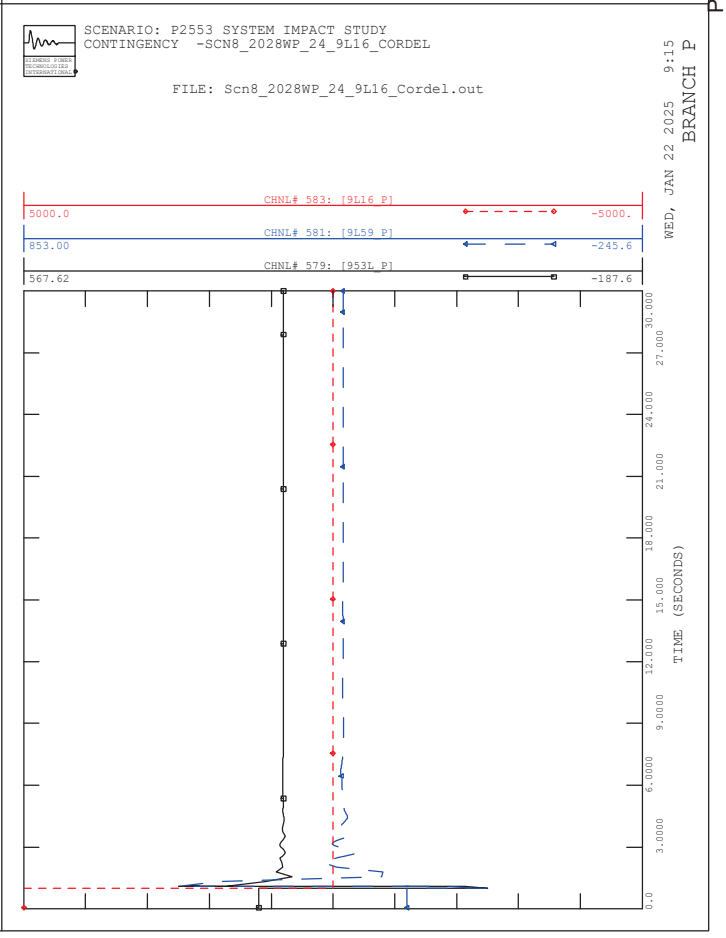
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_24_9L16_CORDEL
FILE: Scn8_2028WP_24_9L16_Cordel.out
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5000.0
-5000.
CHNL# 581: [9L59_P]
853.00
-245.6
CHNL# 579: [953L_P]
567.62
-187.6
BRANCH P
WED, JAN 22 2025 9:15
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_25_9L16_TINCHEBRAY

FILE: Scn8_2028WP_25_9L16_Tinchebray.out

WED, JAN 22 2025 9:15

ACTIVE POWER

CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.5233 -0.1435

CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.5381 -0.1435

CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
3.9661 -1.011

CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
4.1355 -1.075

CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
2.6729 -0.5402

CHNL# 190: [POWR 1496[BAT #4 16.000]4]
1.0665 -0.5379

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_25_9L16_TINCHEBRAY

FILE: Scn8_2028WP_25_9L16_Tinchebray.out

WED, JAN 22 2025 9:15

TERMINAL VOLTAGE

CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.6057 0.09160

CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.6059 0.09160

CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.2104 0.61440

CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1987 0.63440

CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.2316 0.38360

CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1299 0.46370

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_25_9L16_TINCHEBRAY

FILE: Scn8_2028WP_25_9L16_Tinchebray.out

WED, JAN 22 2025 9:15

ROTOR ANGLE

CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
98.690 -72.88

CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
97.287 -76.79

CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
70.426 -82.18

CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
62.695 -81.73

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_25_9L16_TINCHEBRAY

FILE: Scn8_2028WP_25_9L16_Tinchebray.out

WED, JAN 22 2025 9:15

REACTIVE POWER

CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.3986 -0.4798

CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.4026 -0.4798

CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
5.9570 -1.878

CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
6.5138 -2.465

CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
7.3334 -3.316

CHNL# 277: [VARS 1496[BAT #4 16.000]4]
4.2559 -2.603

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_25_9L16_TINCHEBRAY

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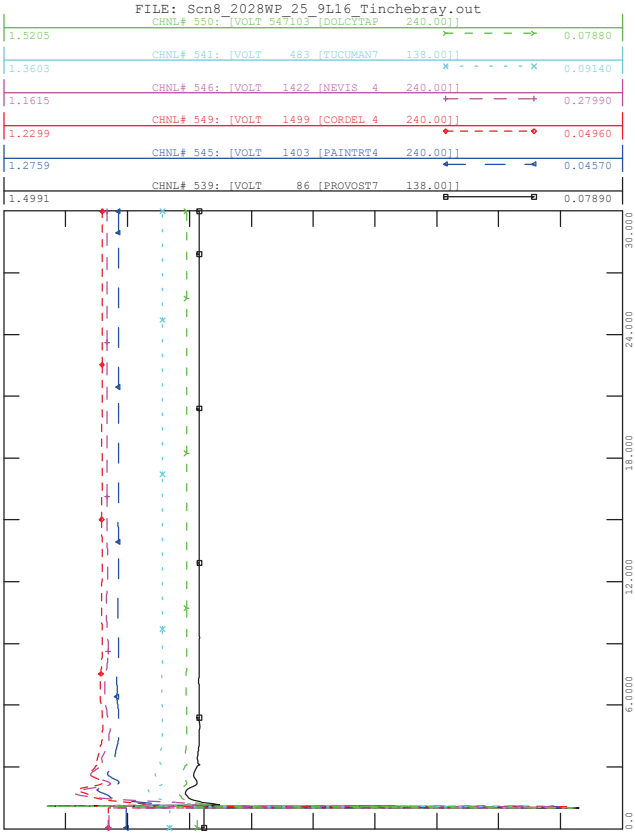
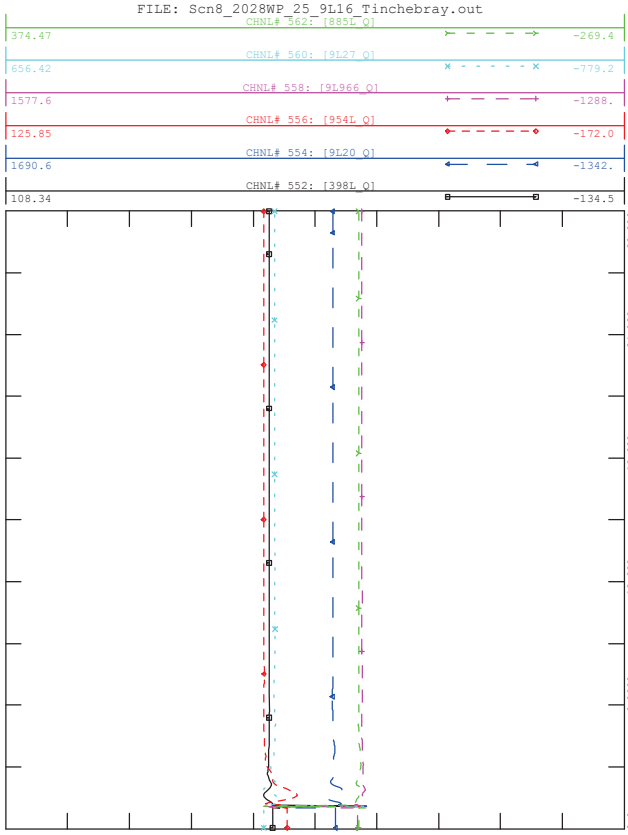


WED, JAN 22 2025 9:15
BUS VOLTAGE

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_25_9L16_TINCHEBRAY

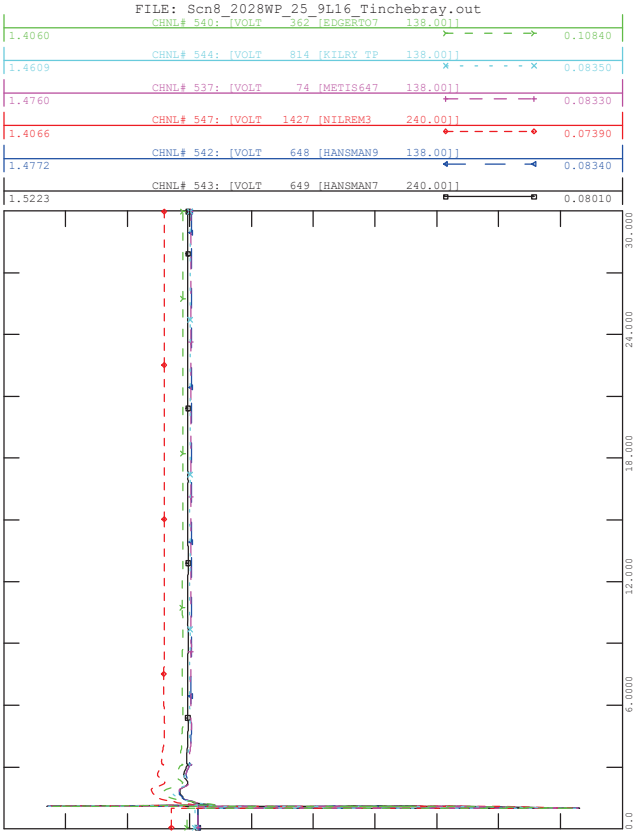
FILE: Scn8_2028WP_25_9L16_Tinchebray.out



WED, JAN 22 2025 9:15
BRANCH Q

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_25_9L16_TINCHEBRAY

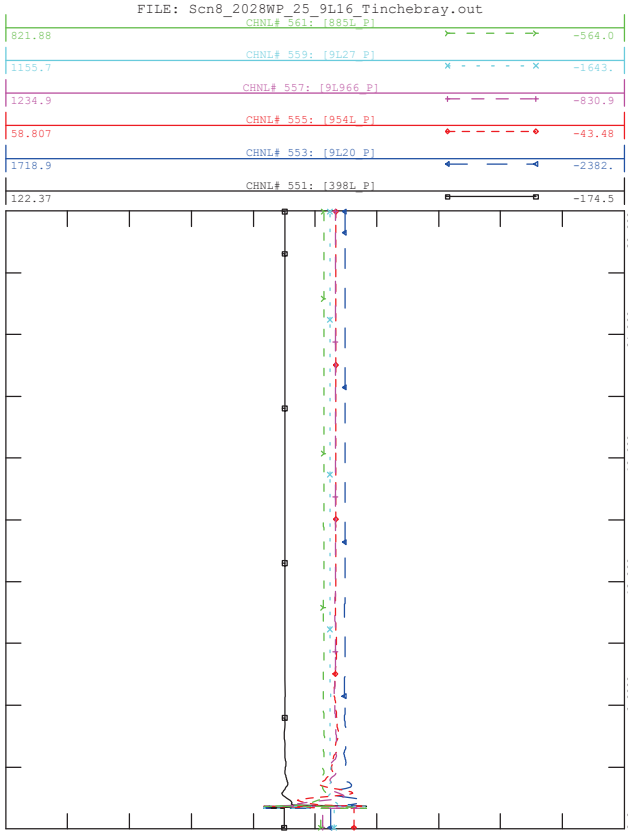
FILE: Scn8_2028WP_25_9L16_Tinchebray.out



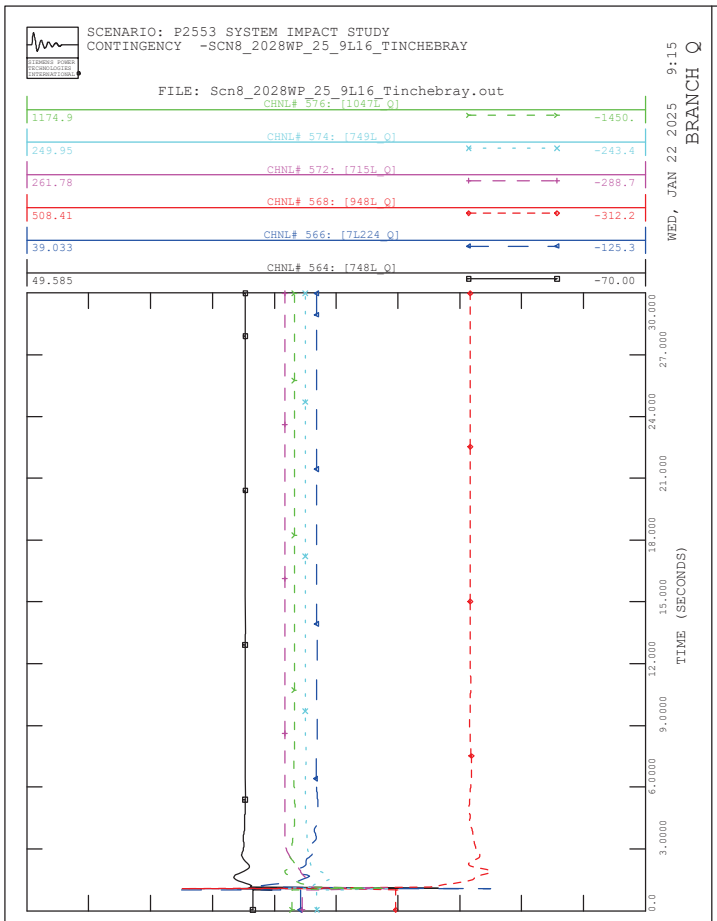
WED, JAN 22 2025 9:15
BUS VOLTAGE

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_25_9L16_TINCHEBRAY

FILE: Scn8_2028WP_25_9L16_Tinchebray.out



WED, JAN 22 2025 9:15
BRANCH P


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_25_9L16_TINCHEBRAY
FILE: Scn8_2028WP_25_9L16_Tinchebray.out
CHNL# 576: [1047L_Q]
1174.9
-1450.
CHNL# 574: [749L_Q]
249.95
-243.4
CHNL# 572: [715L_Q]
261.78
-288.7
CHNL# 568: [948L_Q]
508.41
-312.2
CHNL# 566: [7L224_Q]
39.033
-125.3
CHNL# 564: [748L_Q]
49.585
-70.00
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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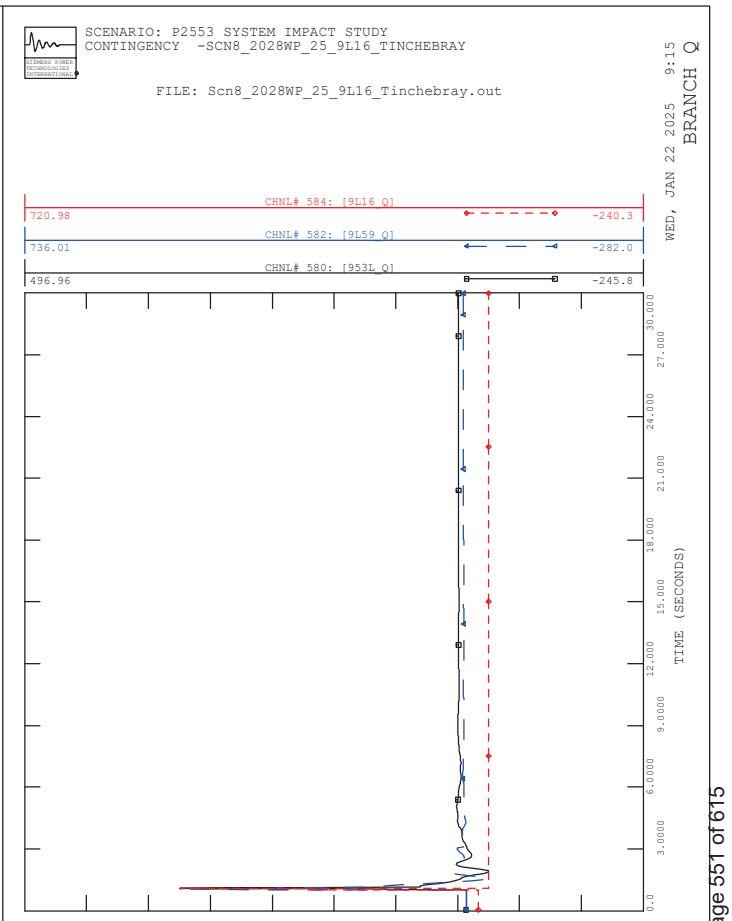
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_25_9L16_TINCHEBRAY
FILE: Scn8_2028WP_25_9L16_Tinchebray.out
CHNL# 584: [9L16_Q]
720.98
-240.3
CHNL# 582: [9L59_Q]
736.01
-282.0
CHNL# 580: [953L_Q]
496.96
-245.8
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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3.0000
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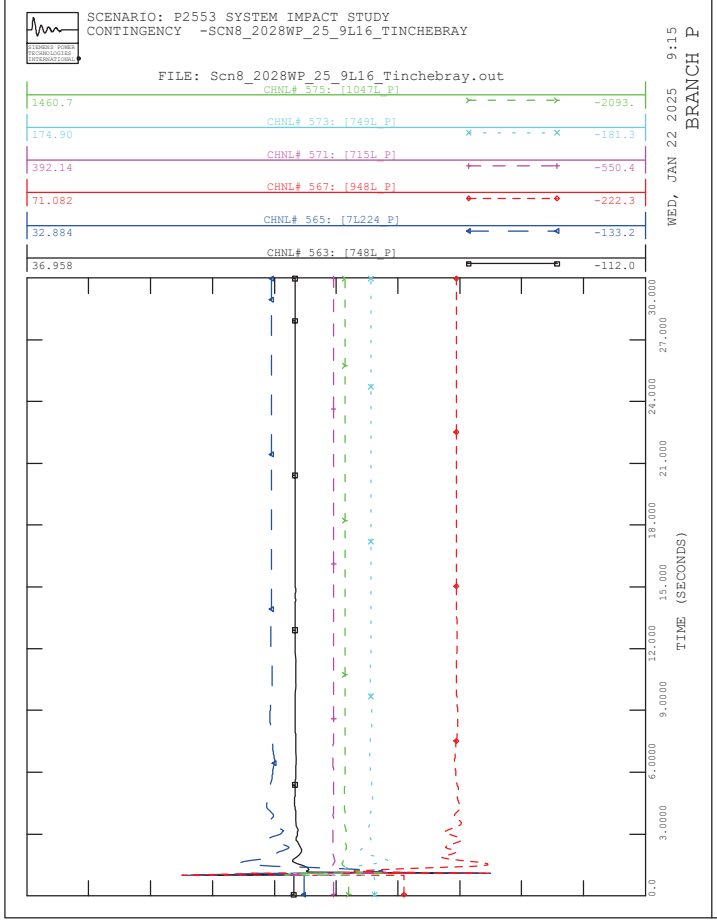
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_25_9L16_TINCHEBRAY
FILE: Scn8_2028WP_25_9L16_Tinchebray.out
CHNL# 575: [1047L_P]
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-2093.
CHNL# 573: [749L_P]
174.90
-181.3
CHNL# 571: [715L_P]
392.14
-550.4
CHNL# 567: [948L_P]
71.082
-222.3
CHNL# 565: [7L224_P]
32.884
-133.2
CHNL# 563: [748L_P]
36.958
-112.0
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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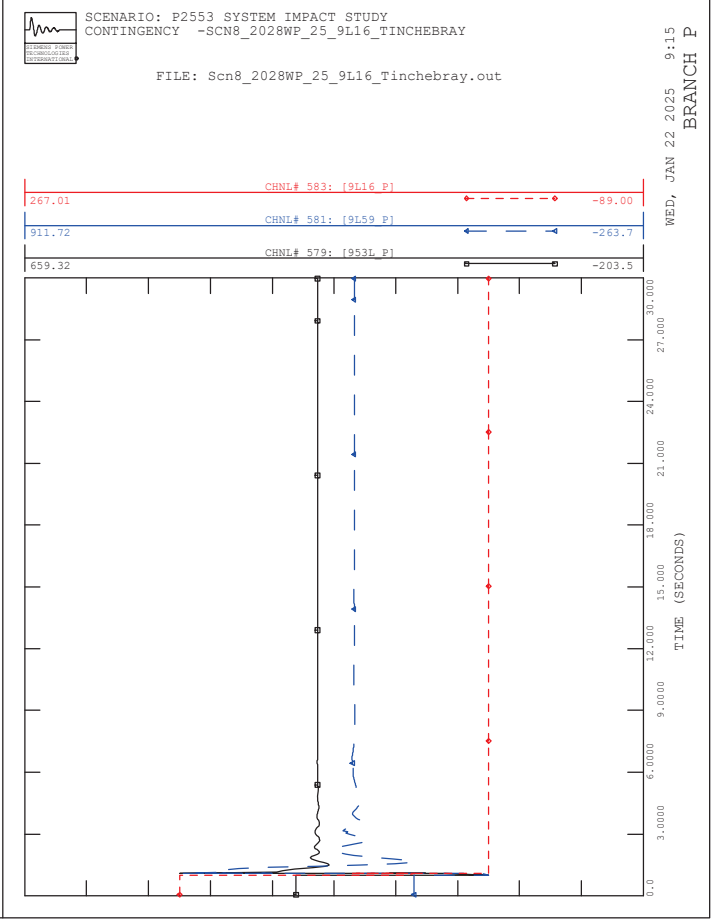
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CONTINGENCY -SCN8_2028WP_25_9L16_TINCHEBRAY
FILE: Scn8_2028WP_25_9L16_Tinchebray.out
CHNL# 583: [9L16_P]
267.01
-89.00
CHNL# 581: [9L59_P]
911.72
-263.7
CHNL# 579: [953L_P]
659.32
-203.5
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
0.0
3.0000
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9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_26_9L59_TINCHEBRAY

FILE: Scn8_2028WP_26_9L59_Tinchebray.out

WED, JAN 22 2025 9:15

ACTIVE POWER

CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.5810 -0.1342

CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.5962 -0.1342

CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
3.7048 -0.9340

CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
3.7798 -0.9940

CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
1.7363 -0.0645

CHNL# 190: [POWR 1496[BAT #4 16.000]4]
0.66450 -0.0830

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_26_9L59_TINCHEBRAY

FILE: Scn8_2028WP_26_9L59_Tinchebray.out

WED, JAN 22 2025 9:15

TERMINAL VOLTAGE

CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.6755 0.10690

CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.6758 0.10690

CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.2058 0.61760

CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1937 0.63740

CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.1855 0.39220

CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1536 0.47180

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_26_9L59_TINCHEBRAY

FILE: Scn8_2028WP_26_9L59_Tinchebray.out

WED, JAN 22 2025 9:15

ROTOR ANGLE

CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
114.16 -71.92

CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
112.88 -75.36

CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
52.223 -78.85

CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
46.905 -81.10

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TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_26_9L59_TINCHEBRAY

FILE: Scn8_2028WP_26_9L59_Tinchebray.out

WED, JAN 22 2025 9:15

REACTIVE POWER

CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.6126 -0.5084

CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.6202 -0.5110

CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
5.8960 -1.754

CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
6.4519 -2.354

CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
7.5255 -3.870

CHNL# 277: [VARS 1496[BAT #4 16.000]4]
4.3369 -2.895

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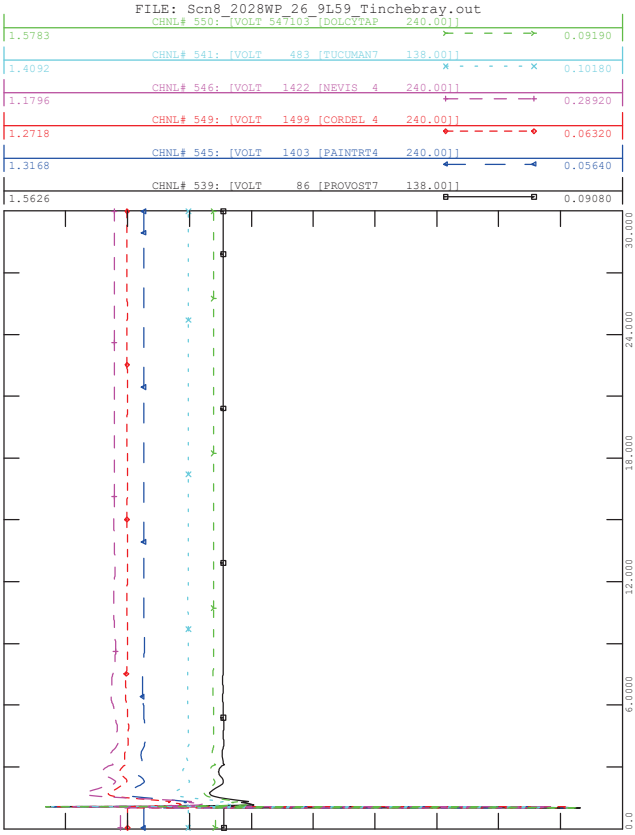
TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_26_9L59_TINCHEBRAY

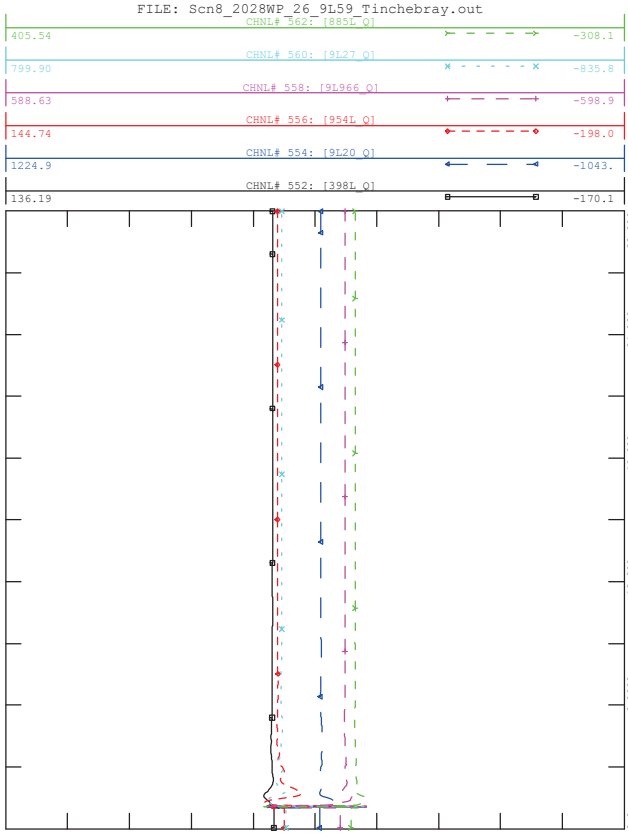
FILE: Scn8_2028WP_26_9L59_Tinchebray.out



WED, JAN 22 2025 9:15
BUS VOLTAGE

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_26_9L59_TINCHEBRAY

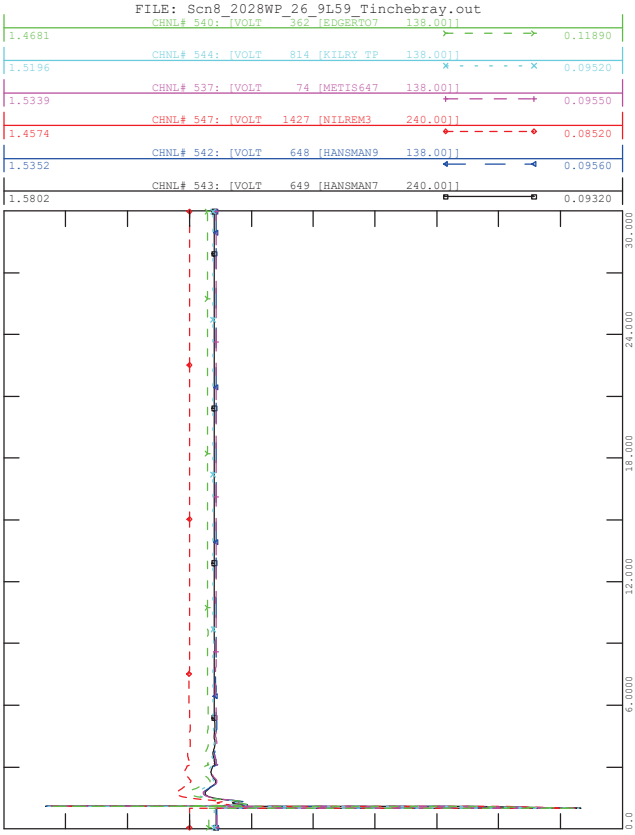
FILE: Scn8_2028WP_26_9L59_Tinchebray.out



WED, JAN 22 2025 9:15
BRANCH Q

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_26_9L59_TINCHEBRAY

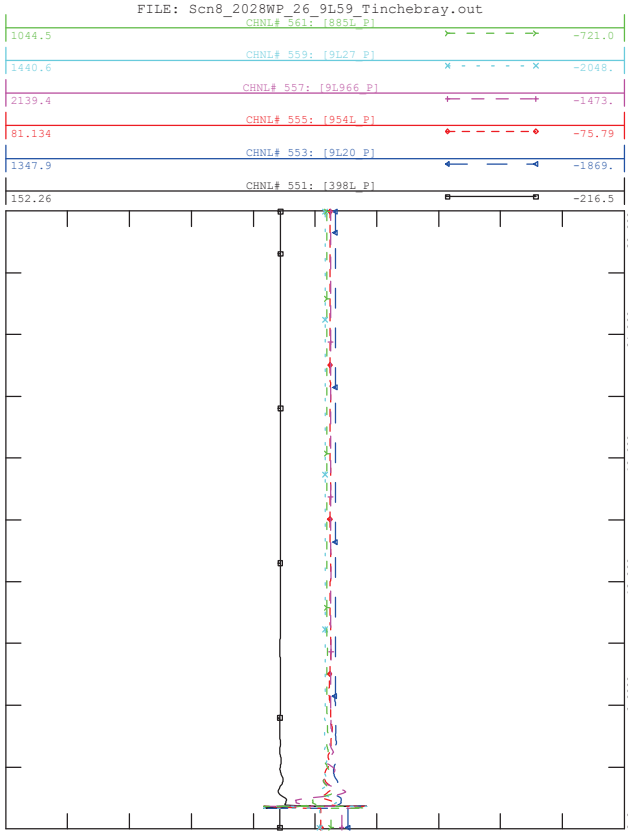
FILE: Scn8_2028WP_26_9L59_Tinchebray.out



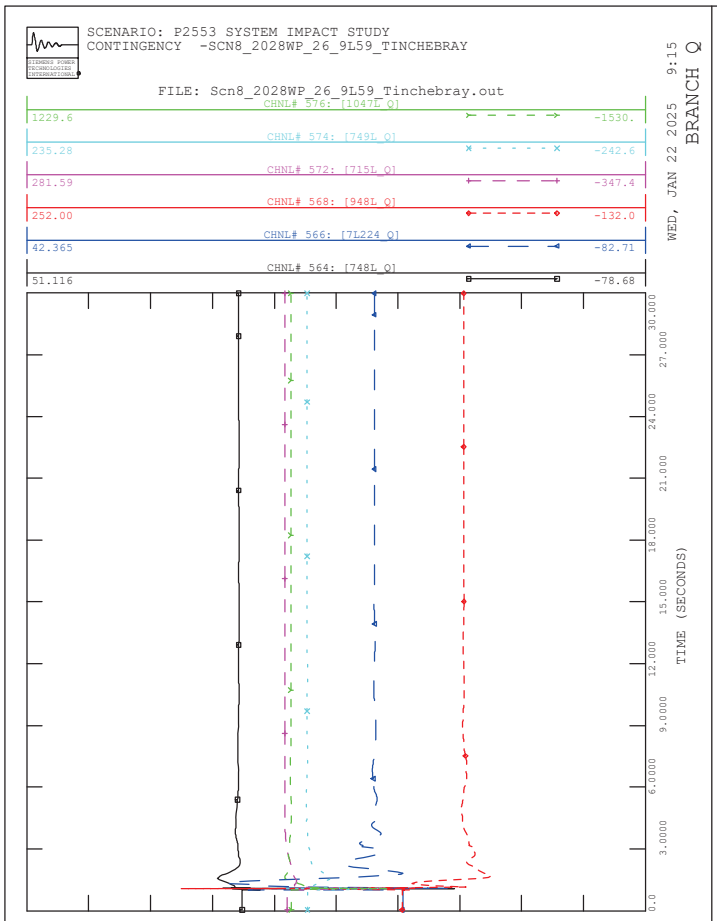
WED, JAN 22 2025 9:15
BUS VOLTAGE

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_26_9L59_TINCHEBRAY

FILE: Scn8_2028WP_26_9L59_Tinchebray.out



WED, JAN 22 2025 9:15
BRANCH P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CHNL# 576: [1047L Q]
1229.6
-1530.
CHNL# 574: [749L Q]
235.28
-242.6
CHNL# 572: [715L Q]
281.59
-347.4
CHNL# 568: [948L Q]
252.00
-132.0
CHNL# 566: [7L224 Q]
42.365
-82.71
CHNL# 564: [748L Q]
51.116
-78.68
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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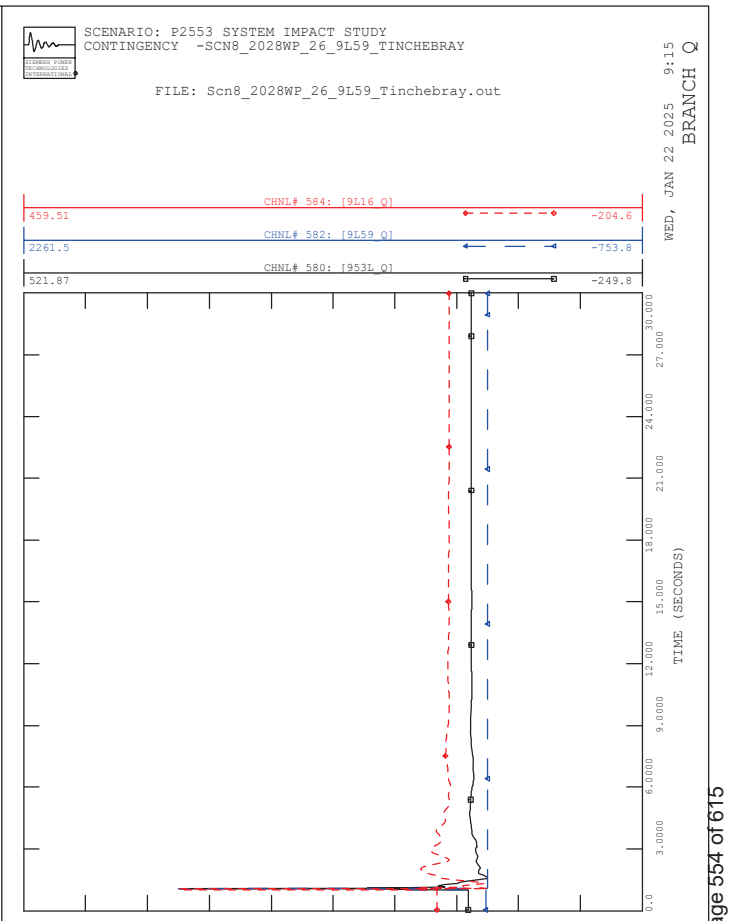
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CONTINGENCY -SCN8_2028WP_26_9L59_TINCHEBRAY
FILE: Scn8_2028WP_26_9L59_Tinchebray.out
CHNL# 584: [9L16 Q]
459.51
-204.6
CHNL# 582: [9L59 Q]
2261.5
-753.8
CHNL# 580: [953L Q]
521.87
-249.8
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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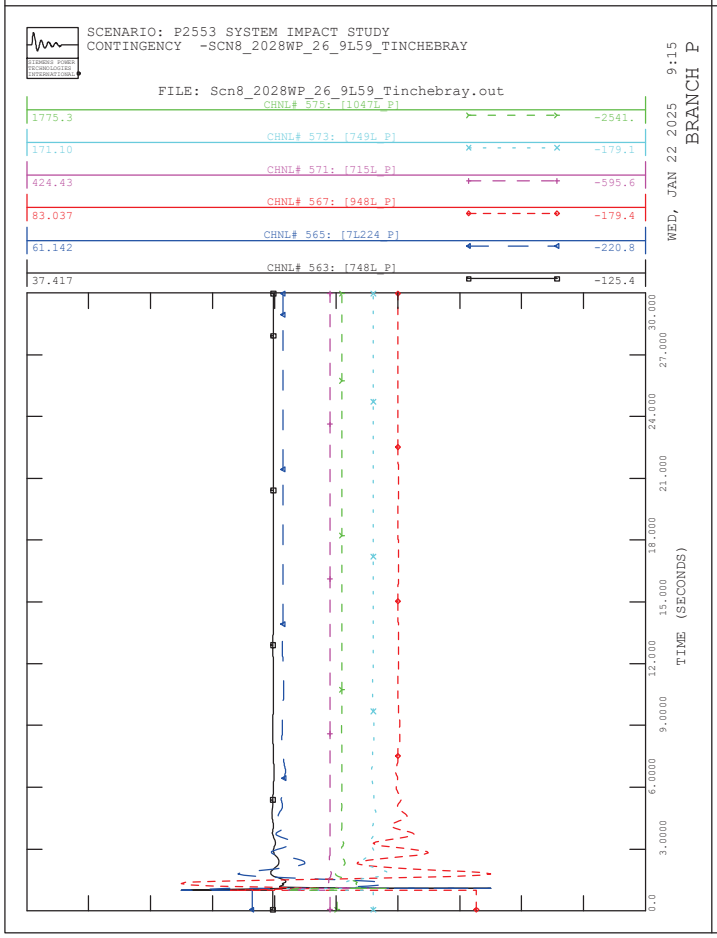
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CONTINGENCY -SCN8_2028WP_26_9L59_TINCHEBRAY
FILE: Scn8_2028WP_26_9L59_Tinchebray.out
CHNL# 575: [1047L P]
1775.3
-2541.
CHNL# 573: [749L P]
171.10
-179.1
CHNL# 571: [715L P]
424.43
-595.6
CHNL# 567: [948L P]
83.037
-179.4
CHNL# 565: [7L224 P]
61.142
-220.8
CHNL# 563: [748L P]
37.417
-125.4
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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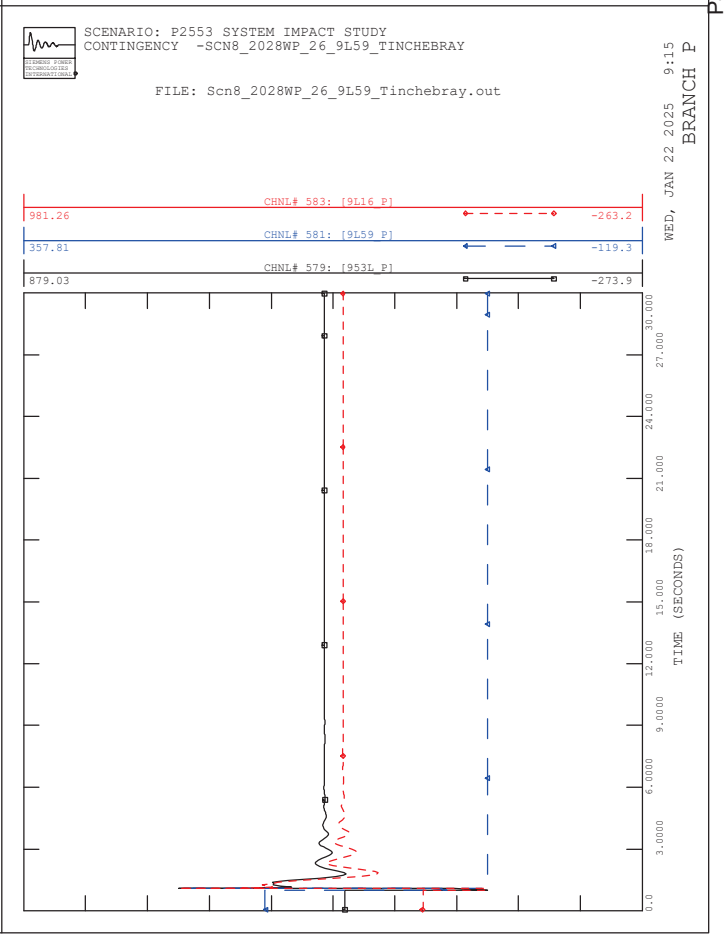
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CONTINGENCY -SCN8_2028WP_26_9L59_TINCHEBRAY
FILE: Scn8_2028WP_26_9L59_Tinchebray.out
CHNL# 583: [9L16 P]
981.26
-263.2
CHNL# 581: [9L59 P]
357.81
-119.3
CHNL# 579: [953L P]
879.03
-273.9
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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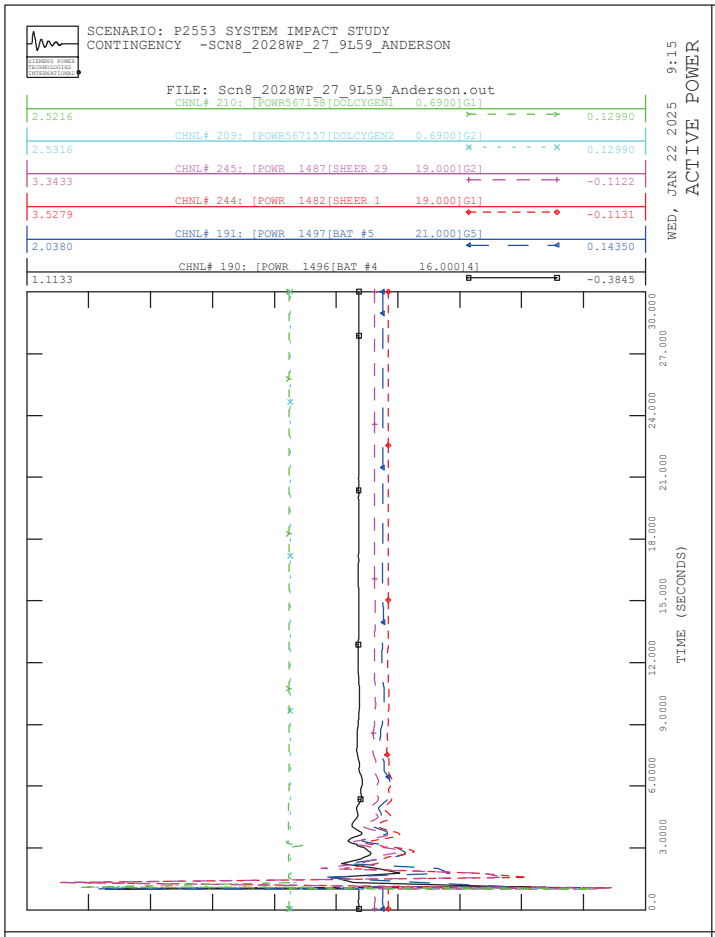
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_27_9L59_ANDERSON
FILE: Scn8_2028WP_27_9L59_Anderson.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1] 2.5216 0.12990
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2] 2.5316 0.12990
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2] 3.3433 -0.1122
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1] 3.5279 -0.1131
CHNL# 191: [POWR 1497[BAT #5 21.000]G5] 2.0380 0.14350
CHNL# 190: [POWR 1496[BAT #4 16.000]4] 1.1133 -0.3845
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
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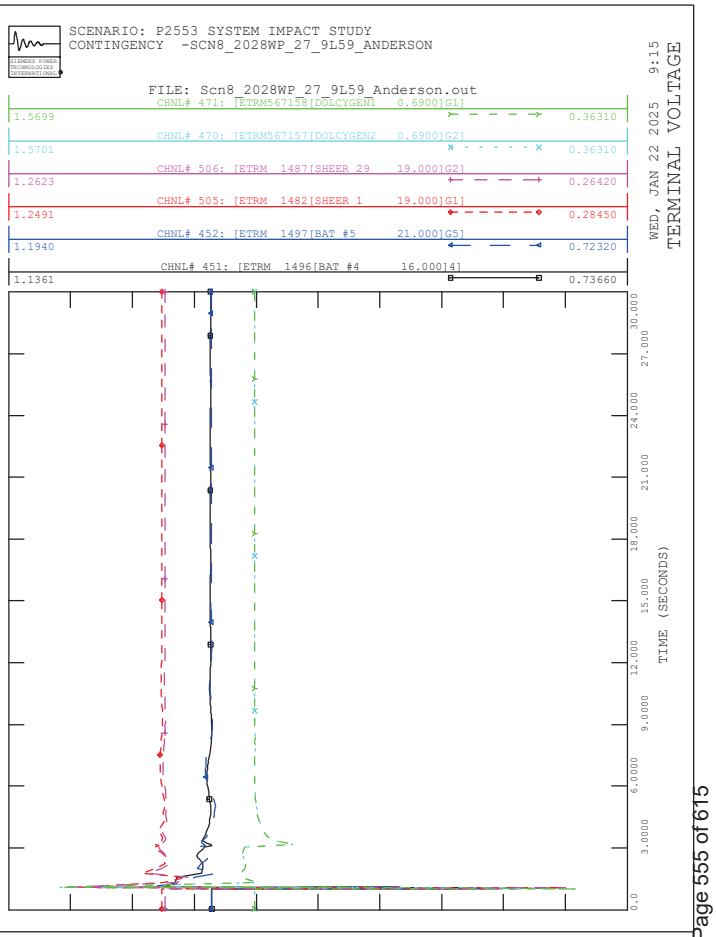
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_27_9L59_ANDERSON
FILE: Scn8_2028WP_27_9L59_Anderson.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1] 1.5699 0.36310
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2] 1.5701 0.36310
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2] 1.2623 0.26420
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1] 1.2491 0.28450
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5] 1.1940 0.72320
CHNL# 451: [ETRM 1496[BAT #4 16.000]4] 1.1361 0.73660
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
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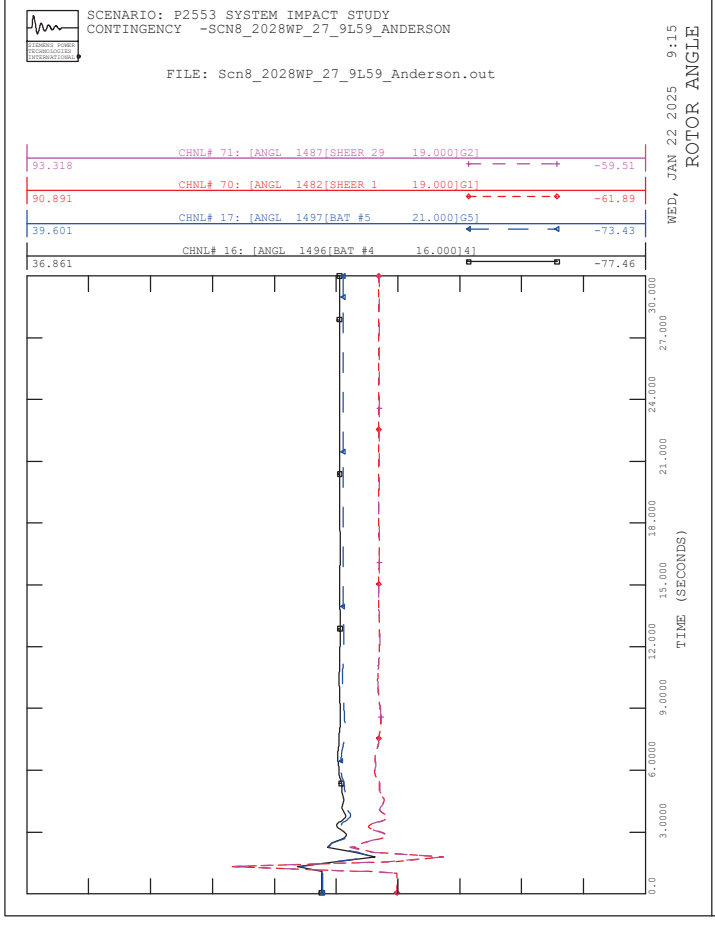
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_27_9L59_ANDERSON
FILE: Scn8_2028WP_27_9L59_Anderson.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2] 93.318 -59.51
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1] 90.891 -61.89
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5] 39.601 -73.43
CHNL# 16: [ANGL 1496[BAT #4 16.000]4] 36.861 -77.46
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
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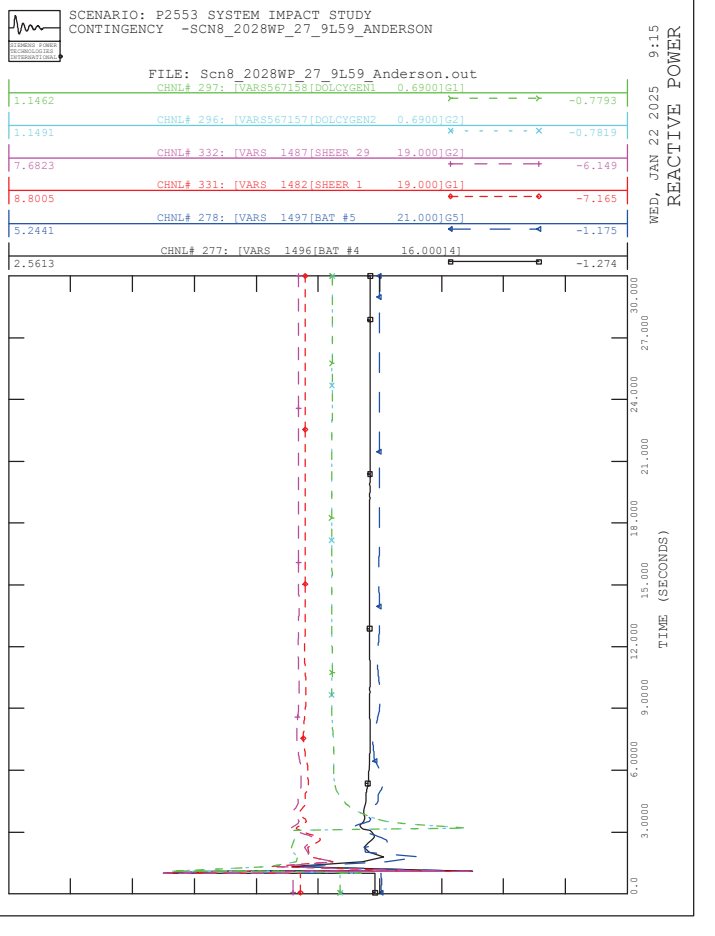
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_27_9L59_ANDERSON
FILE: Scn8_2028WP_27_9L59_Anderson.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1] 1.1462 -0.7793
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2] 1.1491 -0.7819
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2] 7.6823 -6.149
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1] 8.8005 -7.165
CHNL# 278: [VARS 1497[BAT #5 21.000]G5] 5.2441 -1.175
CHNL# 277: [VARS 1496[BAT #4 16.000]4] 2.5613 -1.274
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
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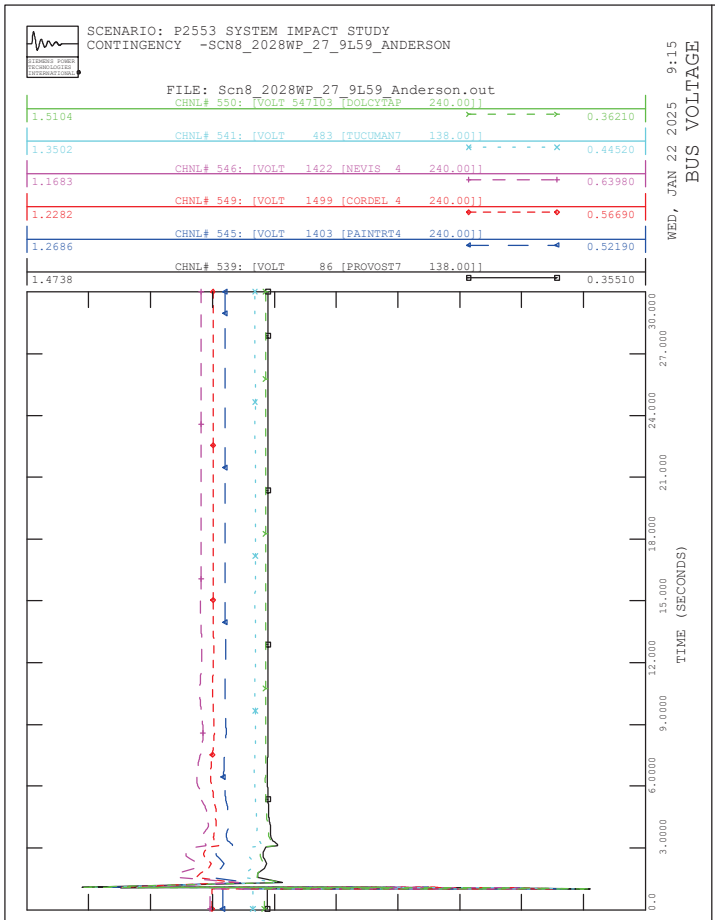
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CONTINGENCY -SCN8_2028WP_27_9L59_ANDERSON
FILE: Scn8_2028WP_27_9L59_Anderson.out
CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.5104
0.36210
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.3502
0.44520
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.1683
0.63980
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2282
0.56690
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.2686
0.52190
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.4738
0.35510
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
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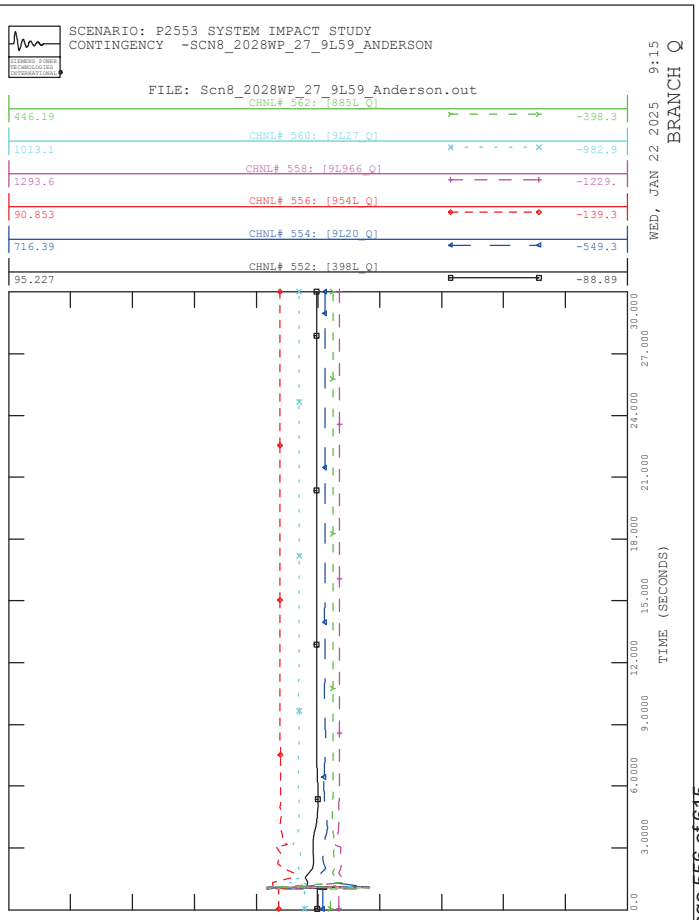
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CONTINGENCY -SCN8_2028WP_27_9L59_ANDERSON
FILE: Scn8_2028WP_27_9L59_Anderson.out
CHNL# 562: [885L Q]
446.19
-398.3
CHNL# 560: [9L27 Q]
1013.1
-982.9
CHNL# 558: [9L966 Q]
1293.6
-1229.
CHNL# 556: [954L Q]
90.853
-139.3
CHNL# 554: [9L20 Q]
716.39
-549.3
CHNL# 552: [398L Q]
95.227
-88.89
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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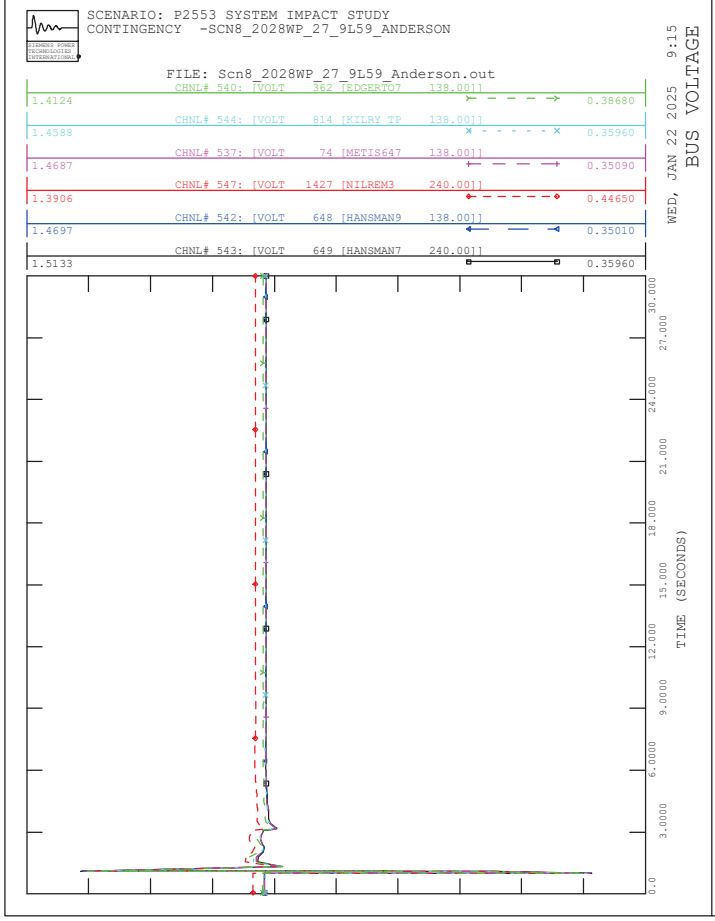
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CONTINGENCY -SCN8_2028WP_27_9L59_ANDERSON
FILE: Scn8_2028WP_27_9L59_Anderson.out
CHNL# 540: [VOLT 362 [EDGERTO7 138.00]]
1.4124
0.38680
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.4588
0.35960
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.4687
0.35090
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.3906
0.44650
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.4697
0.35010
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.5133
0.35960
WED, JAN 22 2025 9:15
BUS VOLTAGE
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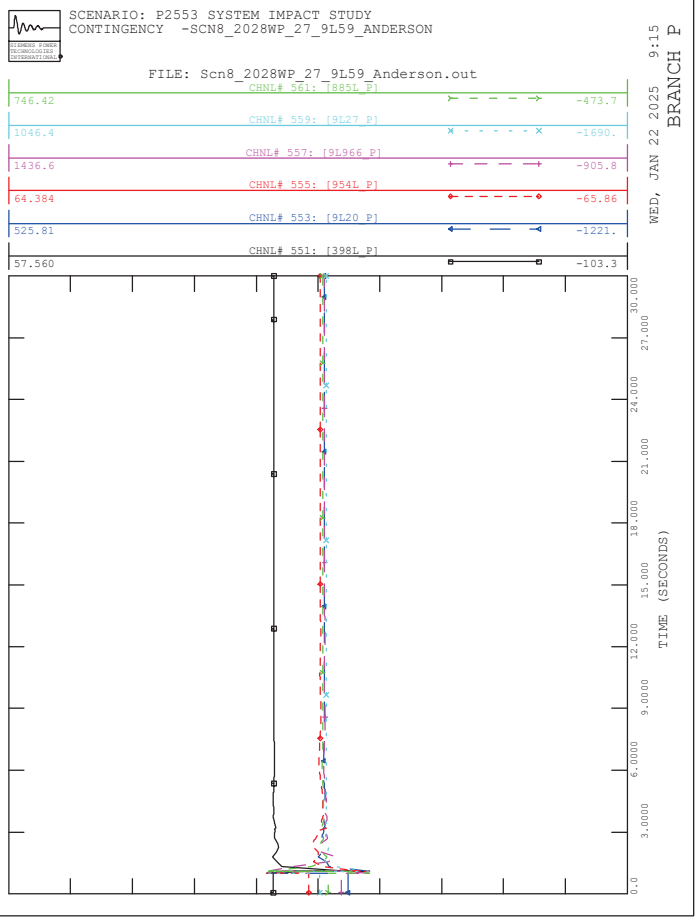
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CONTINGENCY -SCN8_2028WP_27_9L59_ANDERSON
FILE: Scn8_2028WP_27_9L59_Anderson.out
CHNL# 561: [885L P]
746.42
-473.7
CHNL# 559: [9L27 P]
1046.4
-1690.
CHNL# 557: [9L966 P]
1436.6
-905.8
CHNL# 555: [954L P]
64.384
-65.86
CHNL# 553: [9L20 P]
525.81
-1221.
CHNL# 551: [398L P]
57.560
-103.3
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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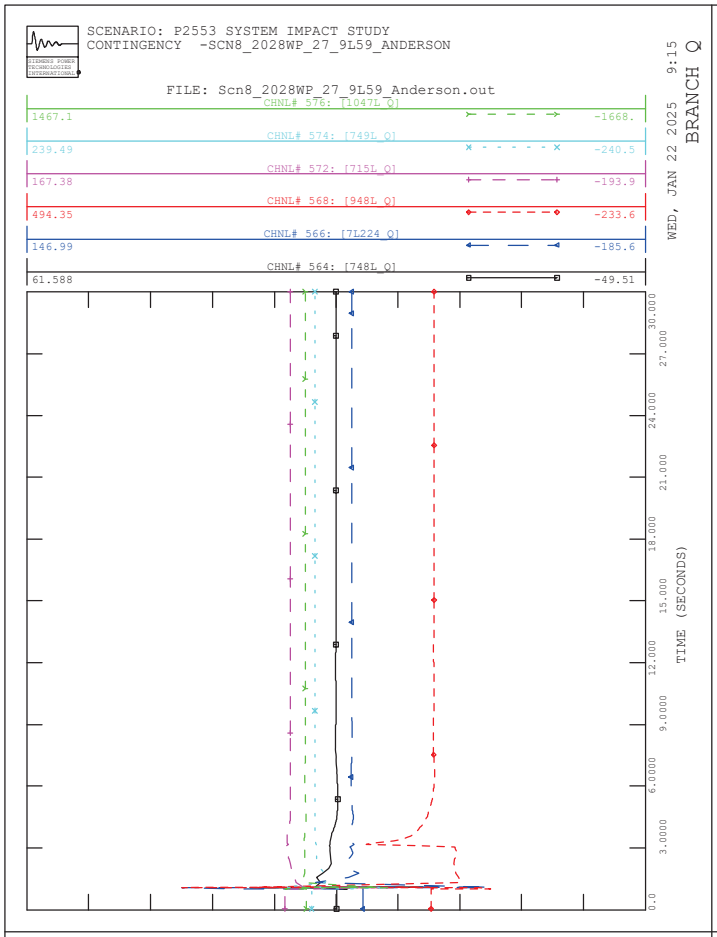
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CONTINGENCY -SCN8_2028WP_27_9L59_ANDERSON
FILE: Scn8_2028WP_27_9L59_Anderson.out
CHNL# 576: [1047L Q]
1467.1
-1668.
CHNL# 574: [749L Q]
239.49
-240.5
CHNL# 572: [715L Q]
167.38
-193.9
CHNL# 568: [948L Q]
494.35
-233.6
CHNL# 566: [7L224 Q]
146.99
-185.6
CHNL# 564: [748L Q]
61.588
-49.51
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_27_9L59_ANDERSON
FILE: Scn8_2028WP_27_9L59_Anderson.out
CHNL# 584: [9L16 Q]
1020.2
-358.4
CHNL# 582: [9L59 Q]
2732.2
-910.7
CHNL# 580: [953L Q]
600.12
-374.9
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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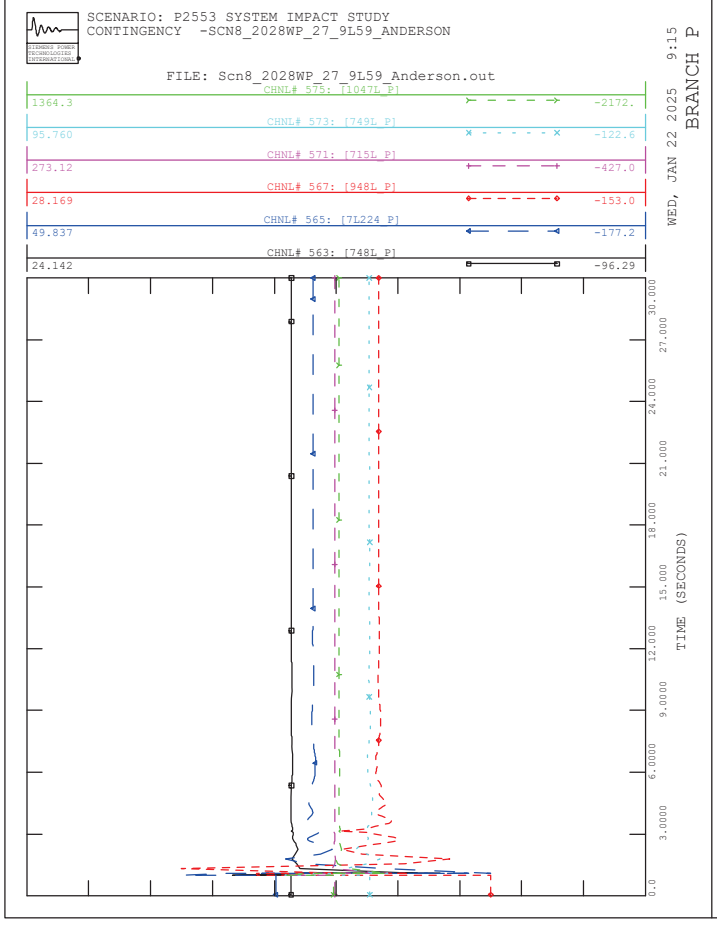
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CONTINGENCY -SCN8_2028WP_27_9L59_ANDERSON
FILE: Scn8_2028WP_27_9L59_Anderson.out
CHNL# 575: [1047L P]
1364.3
-2172.
CHNL# 573: [749L P]
95.760
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CHNL# 571: [715L P]
273.12
-427.0
CHNL# 567: [948L P]
28.169
-153.0
CHNL# 565: [7L224 P]
49.837
-177.2
CHNL# 563: [748L P]
24.142
-96.29
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_27_9L59_ANDERSON
FILE: Scn8_2028WP_27_9L59_Anderson.out
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CHNL# 581: [9L59 P]
5000.0
-5000.
CHNL# 579: [953L P]
795.48
-180.0
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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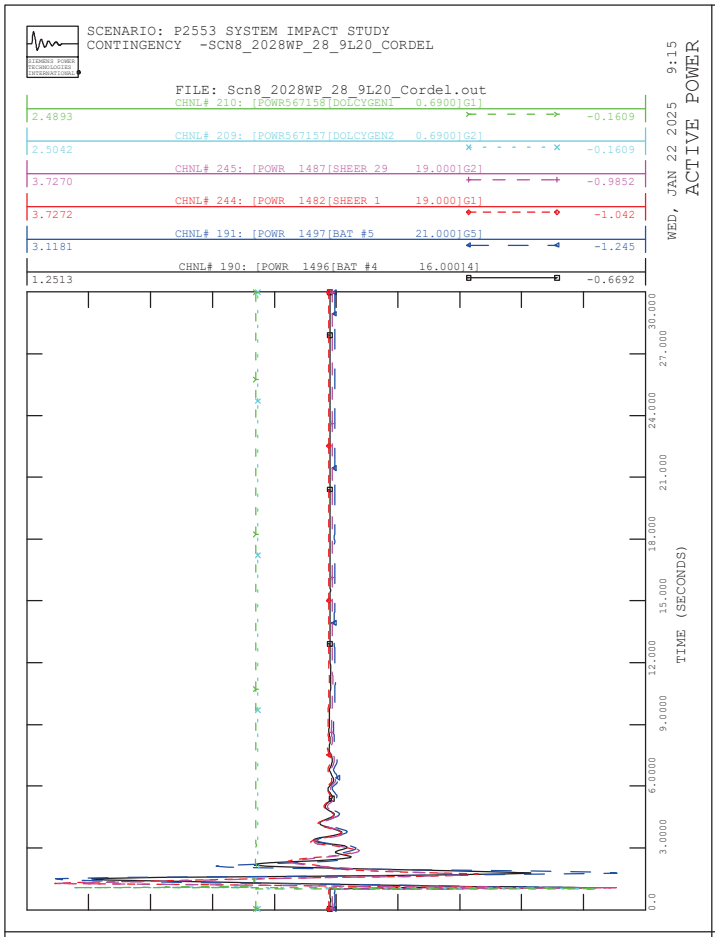
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_28_9L20_CORDEL
FILE: Scn8_2028WP_28_9L20_Cordel.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.4893
-0.1609
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.5042
-0.1609
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
3.7270
-0.9852
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
3.7272
-1.042
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
3.1181
-1.245
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
1.2513
-0.6692
WED, JAN 22 2025 9:15
ACTIVE POWER
TIME (SECONDS)
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3.0000
6.0000
9.0000
12.000
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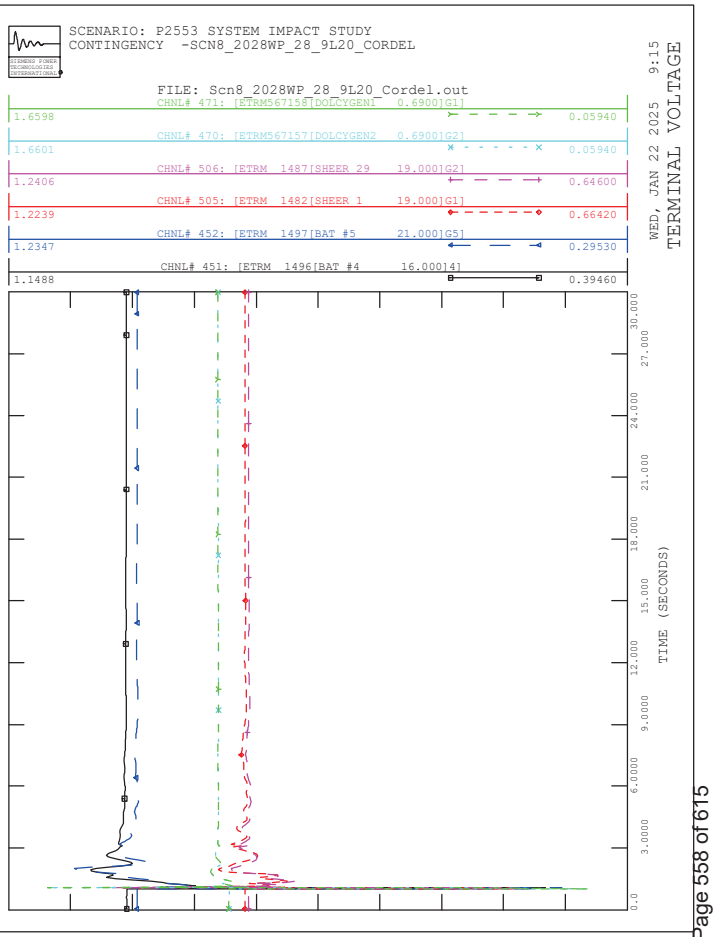
18.000
21.000
24.000
27.000
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_28_9L20_CORDEL
FILE: Scn8_2028WP_28_9L20_Cordel.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.6598
0.05940
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.6601
0.05940
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.2406
0.64600
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.2239
0.66420
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.2347
0.29530
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1488
0.39460
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE
TIME (SECONDS)
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18.000
21.000
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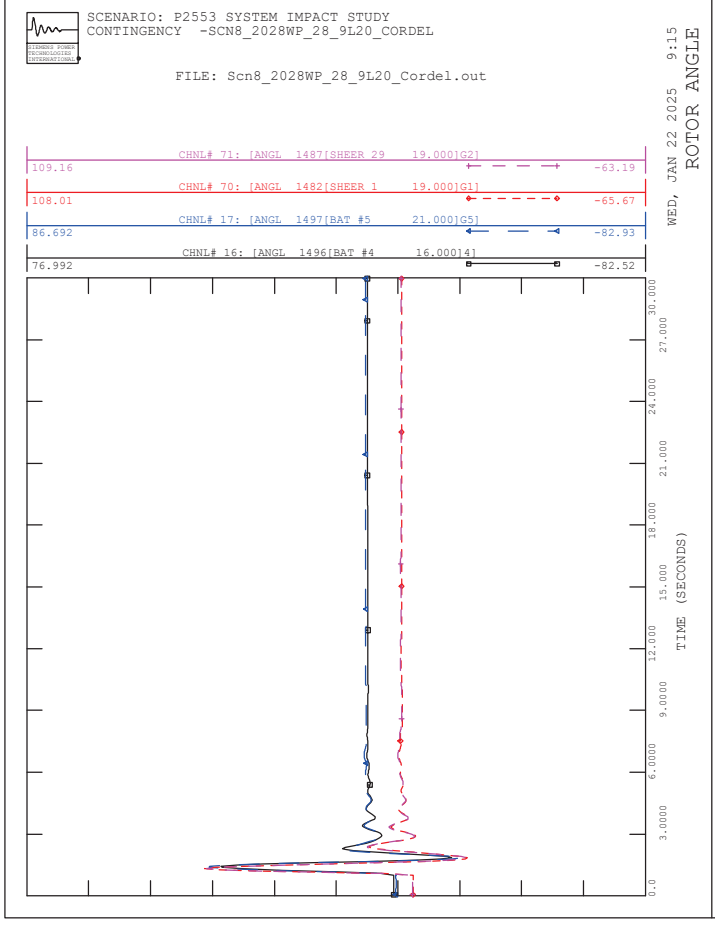
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_28_9L20_CORDEL
FILE: Scn8_2028WP_28_9L20_Cordel.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
109.16
-63.19
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
108.01
-65.67
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
86.692
-82.93
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
76.992
-82.52
WED, JAN 22 2025 9:15
ROTOR ANGLE
TIME (SECONDS)
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6.0000
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18.000
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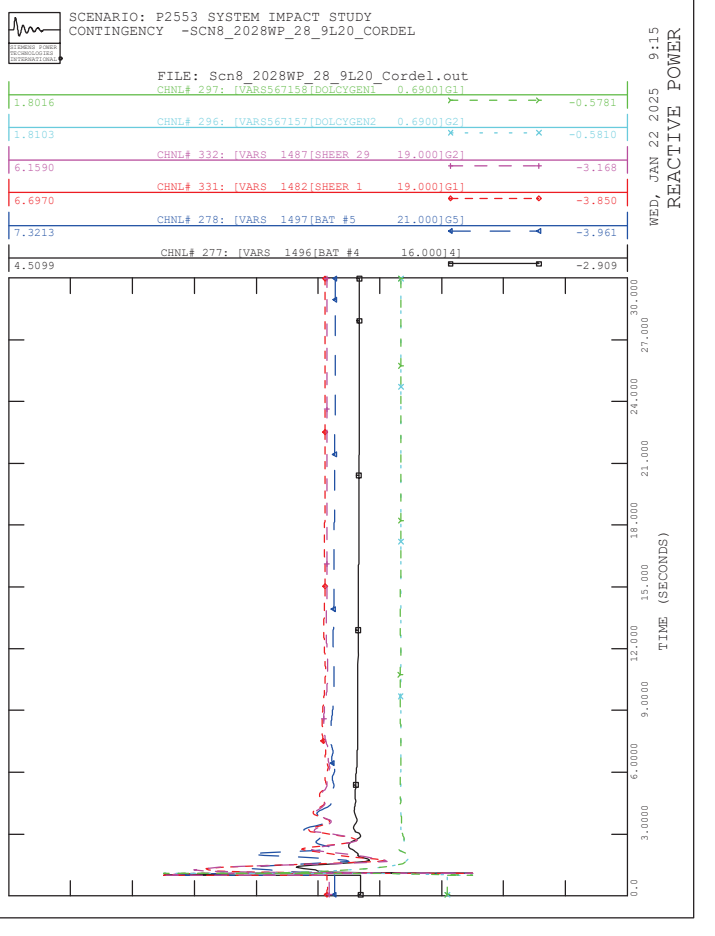
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_28_9L20_CORDEL
FILE: Scn8_2028WP_28_9L20_Cordel.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.8016
-0.5781
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.8103
-0.5810
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
6.1590
-3.168
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
6.6970
-3.850
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
7.3213
-3.961
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
4.5099
-2.909
WED, JAN 22 2025 9:15
REACTIVE POWER
TIME (SECONDS)
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6.0000
9.0000
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18.000
21.000
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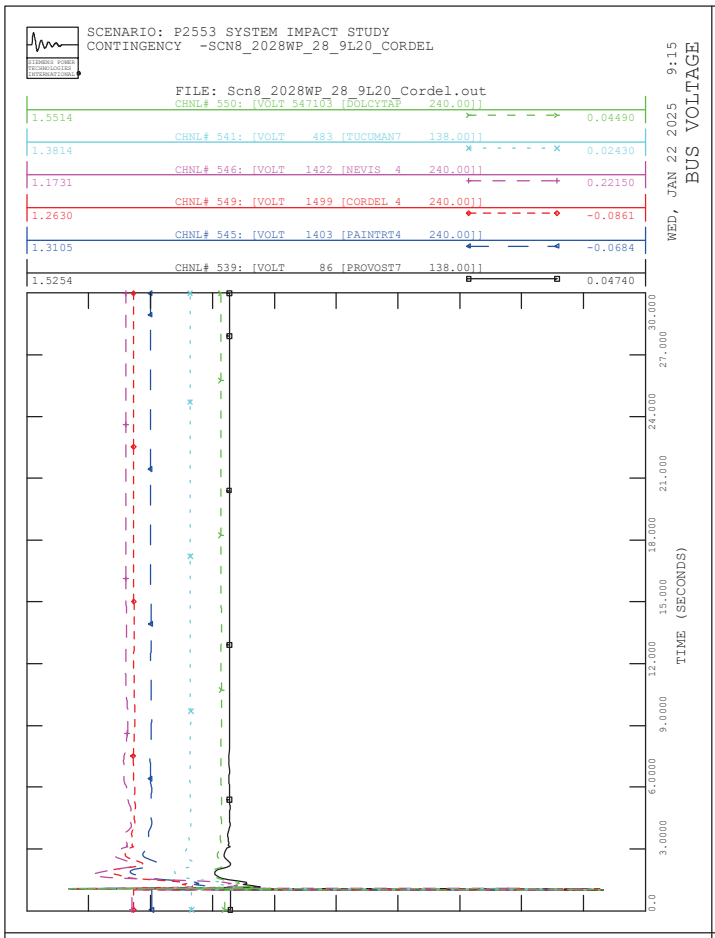
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_28_9L20_CORDEL
FILE: Scn8_2028WP_28_9L20_Cordel.out
CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]]
1.5514
0.04490
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]]
1.3814
0.02430
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]]
1.1731
0.22150
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]]
1.2630
-0.0861
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]]
1.3105
-0.0684
CHNL# 539: [VOLT 86 [PROVOST7 138.00]]
1.5254
0.04740
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
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6.0000
9.0000
12.000
15.000
18.000
21.000
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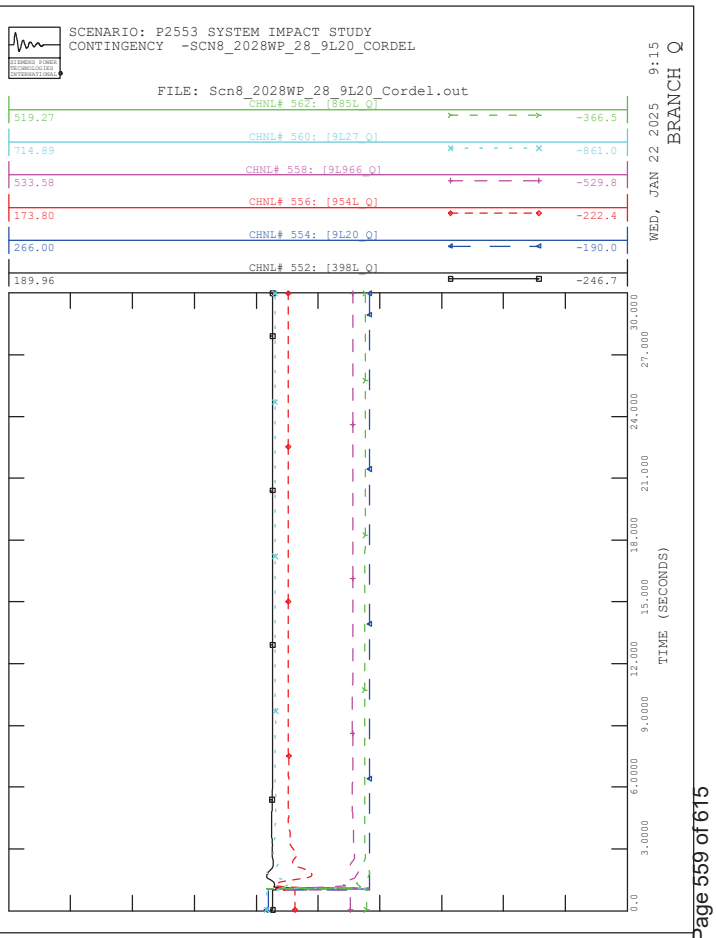
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_28_9L20_CORDEL
FILE: Scn8_2028WP_28_9L20_Cordel.out
CHNL# 562: [885L Q]
519.27
-366.5
CHNL# 560: [9L27 Q]
714.89
-861.0
CHNL# 558: [9L966 Q]
533.58
-529.8
CHNL# 556: [954L Q]
173.80
-222.4
CHNL# 554: [9L20 Q]
266.00
-190.0
CHNL# 552: [398L Q]
189.96
-246.7
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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12.000
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18.000
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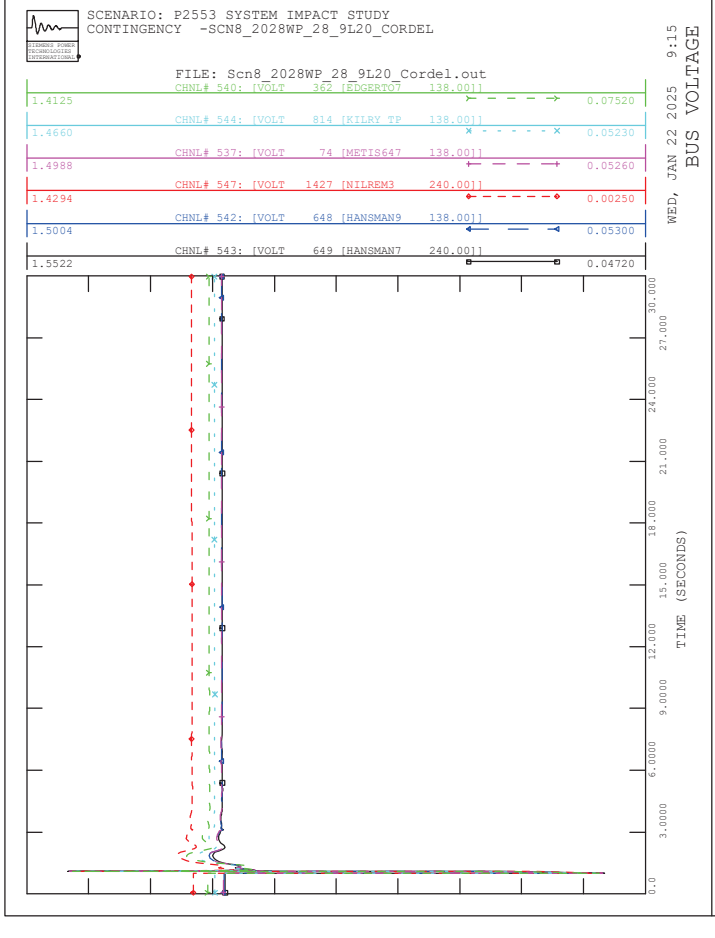
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_28_9L20_CORDEL
FILE: Scn8_2028WP_28_9L20_Cordel.out
CHNL# 540: [VOLT 362 [EDGERT07 138.00]]
1.4125
0.07520
CHNL# 544: [VOLT 814 [KILRY TP 138.00]]
1.4660
0.05230
CHNL# 537: [VOLT 74 [METIS647 138.00]]
1.4988
0.05260
CHNL# 547: [VOLT 1427 [NILREM3 240.00]]
1.4294
0.00250
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]]
1.5004
0.05300
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]]
1.5522
0.04720
WED, JAN 22 2025 9:15
BUS VOLTAGE
TIME (SECONDS)
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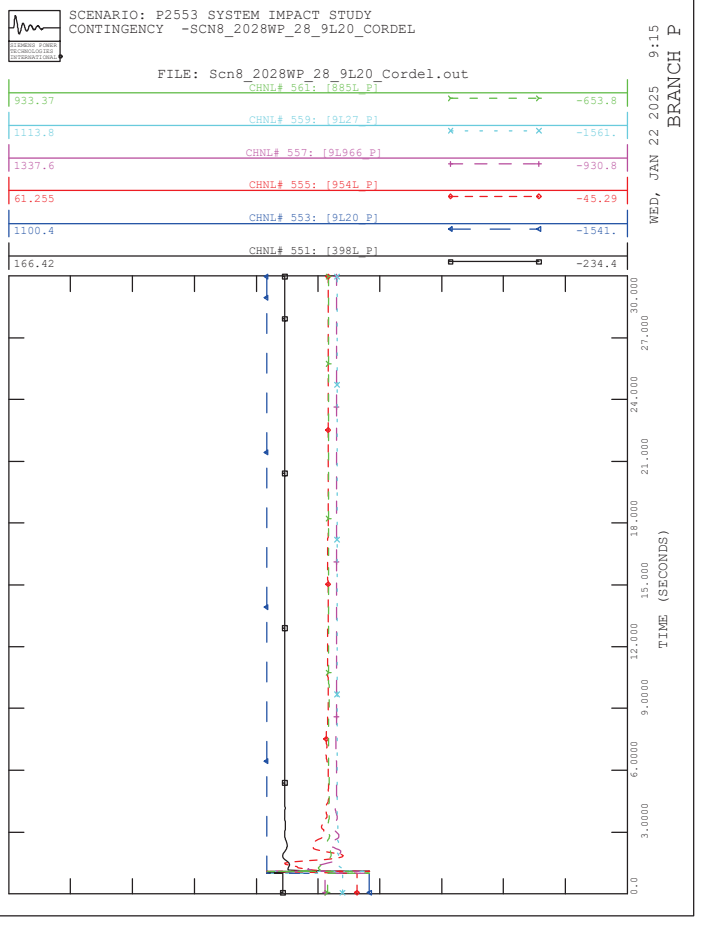
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_28_9L20_CORDEL
FILE: Scn8_2028WP_28_9L20_Cordel.out
CHNL# 561: [885L P]
933.37
-653.8
CHNL# 559: [9L27 P]
1113.8
-1561.
CHNL# 557: [9L966 P]
1337.6
-930.8
CHNL# 555: [954L P]
61.255
-45.29
CHNL# 553: [9L20 P]
1100.4
-1541.
CHNL# 551: [398L P]
166.42
-234.4
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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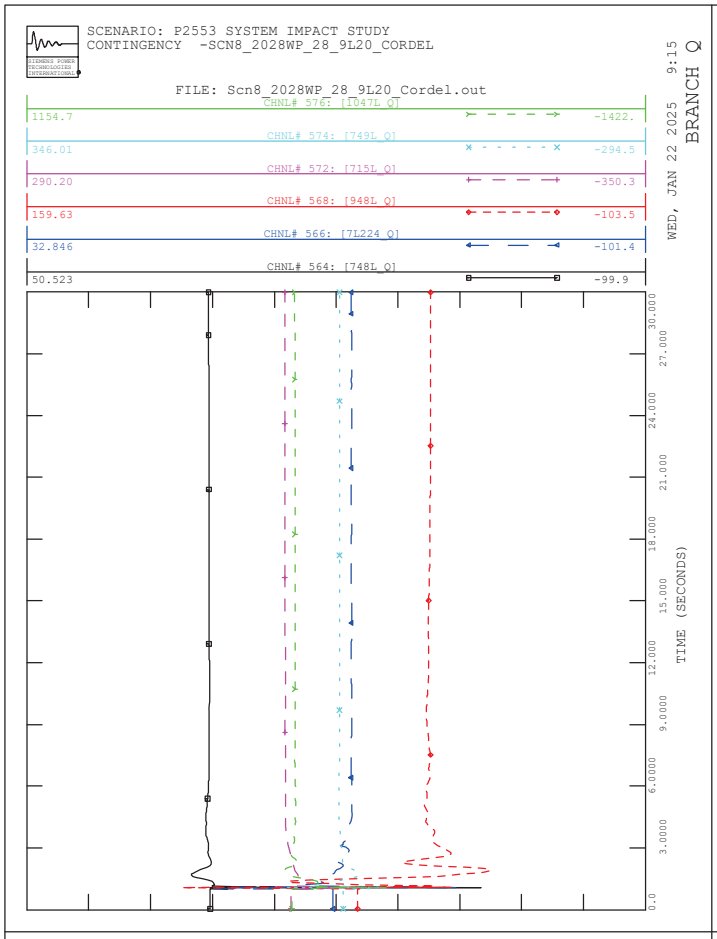
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CONTINGENCY -SCN8_2028WP_28_9L20_CORDEL
FILE: Scn8_2028WP_28_9L20_Cordel.out
CHNL# 576: [I047L_Q]
1154.7
-1422.
CHNL# 574: [749L_Q]
346.01
-294.5
CHNL# 572: [715L_Q]
290.20
-350.3
CHNL# 568: [948L_Q]
159.63
-103.5
CHNL# 566: [7L224_Q]
32.846
-101.4
CHNL# 564: [748L_Q]
50.523
-99.9
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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12.000
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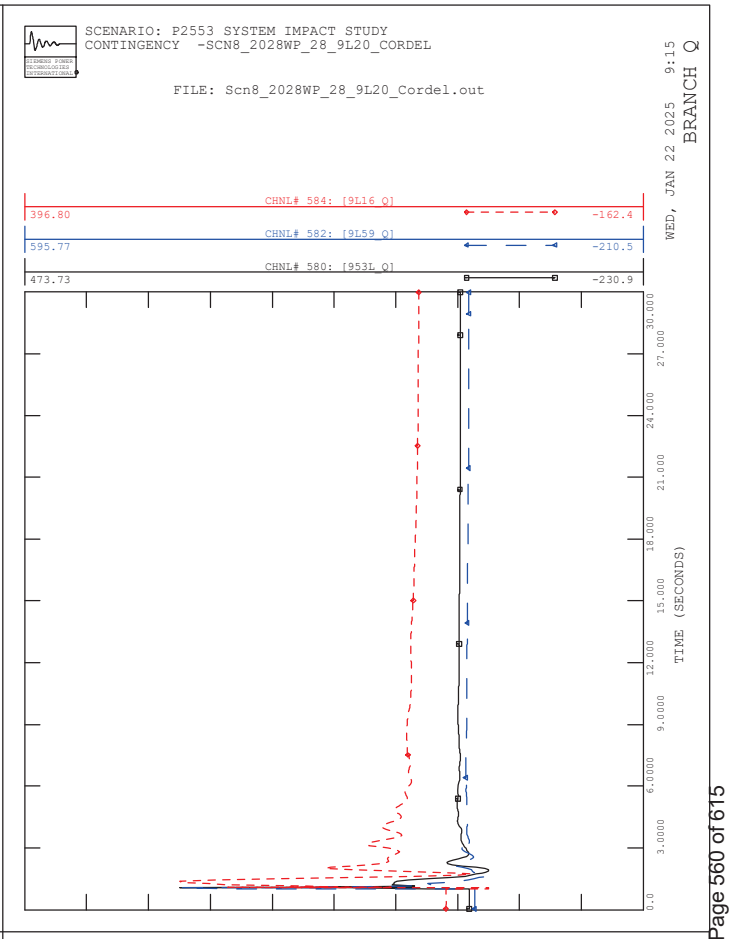
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CONTINGENCY -SCN8_2028WP_28_9L20_CORDEL
FILE: Scn8_2028WP_28_9L20_Cordel.out
CHNL# 584: [9L16_Q]
396.80
-162.4
CHNL# 582: [9L59_Q]
595.77
-210.5
CHNL# 580: [953L_Q]
473.73
-230.9
WED, JAN 22 2025 9:15
BRANCH Q
TIME (SECONDS)
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6.0000
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12.000
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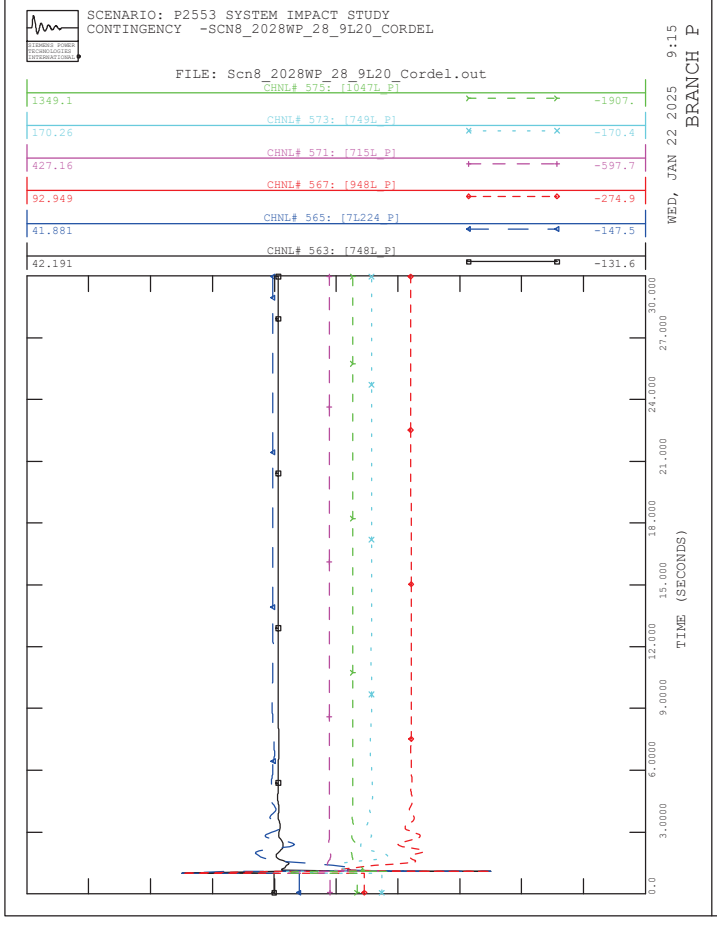
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_28_9L20_CORDEL
FILE: Scn8_2028WP_28_9L20_Cordel.out
CHNL# 575: [I047L_P]
1349.1
-1907.
CHNL# 573: [749L_P]
170.26
-170.4
CHNL# 571: [715L_P]
427.16
-597.7
CHNL# 567: [948L_P]
92.949
-274.9
CHNL# 565: [7L224_P]
41.881
-147.5
CHNL# 563: [748L_P]
42.191
-131.6
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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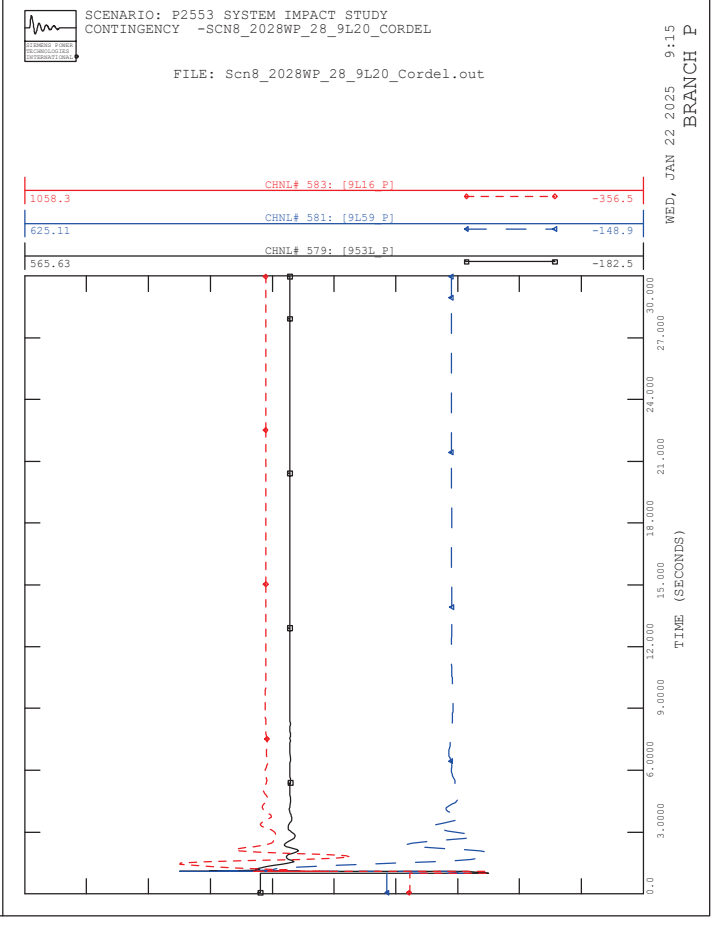
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CONTINGENCY -SCN8_2028WP_28_9L20_CORDEL
FILE: Scn8_2028WP_28_9L20_Cordel.out
CHNL# 583: [9L16_P]
1058.3
-356.5
CHNL# 581: [9L59_P]
625.11
-148.9
CHNL# 579: [953L_P]
565.63
-182.5
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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18.000
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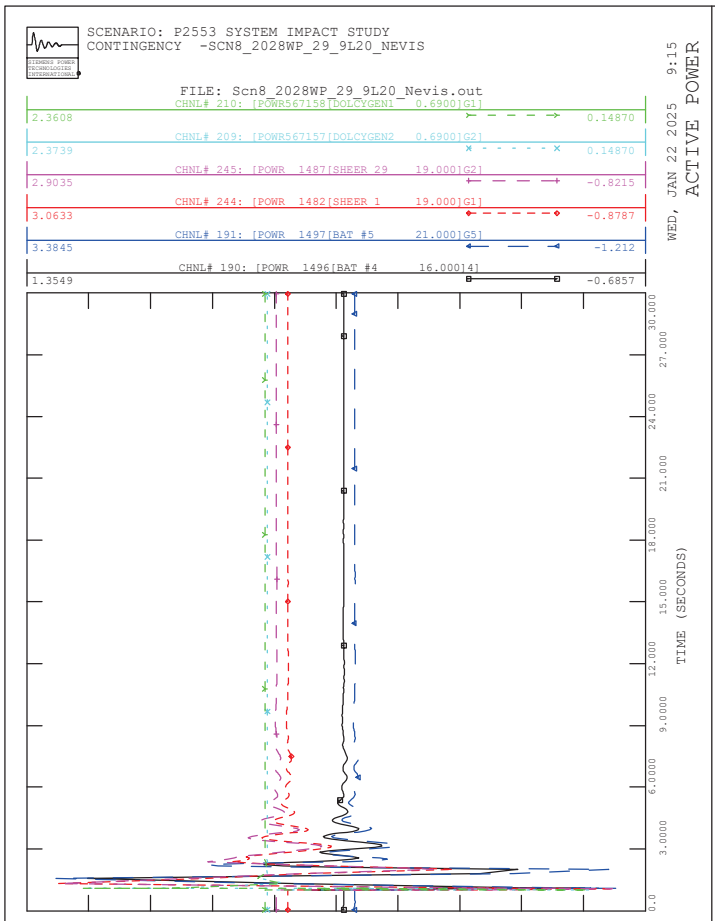
30.000


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_29_9L20_NEVIS
FILE: Scn8_2028WP_29_9L20_Nevis.out
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2.3608
0.14870
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.3739
0.14870
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
2.9035
-0.8215
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
3.0633
-0.8787
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
3.3845
-1.212
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
1.3549
-0.6857
0.0
3.0000
6.0000
9.0000
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21.000
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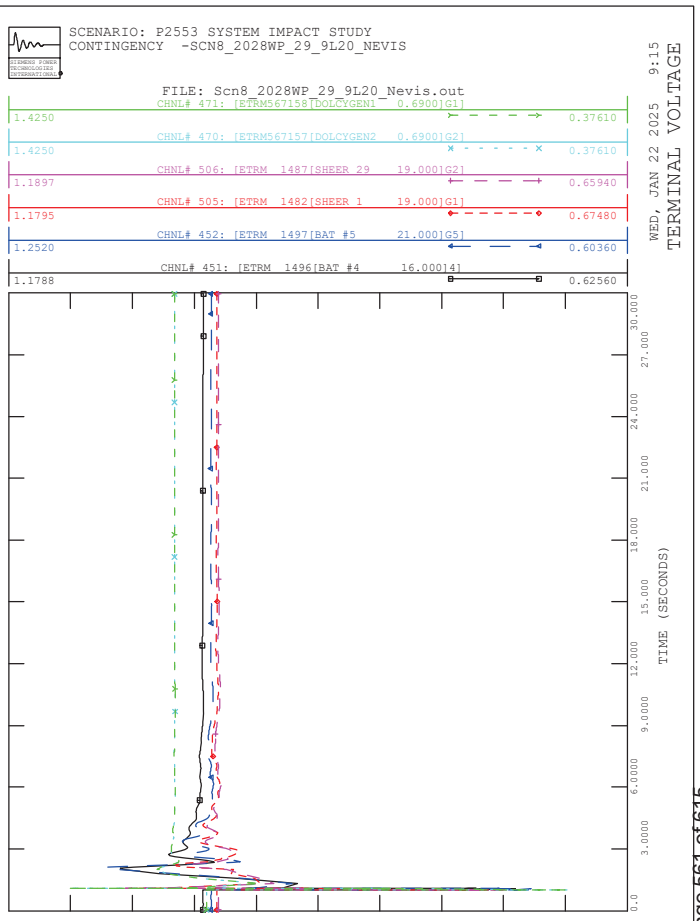
TIME (SECONDS)
WED, JAN 22 2025 9:15
ACTIVE POWER


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_29_9L20_NEVIS
FILE: Scn8_2028WP_29_9L20_Nevis.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.4250
0.37610
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.4250
0.37610
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.1897
0.65940
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1795
0.67480
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.2520
0.60360
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1788
0.62560
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
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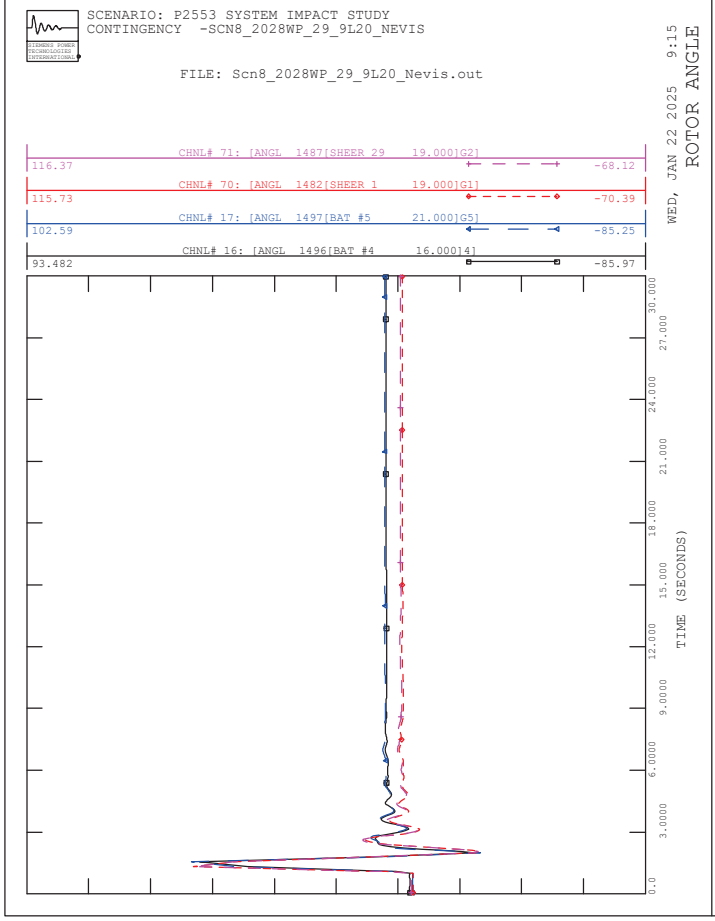
TIME (SECONDS)
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_29_9L20_NEVIS
FILE: Scn8_2028WP_29_9L20_Nevis.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
116.37
-68.12
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
115.73
-70.39
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
102.59
-85.25
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
93.482
-85.97
0.0
3.0000
6.0000
9.0000
12.000
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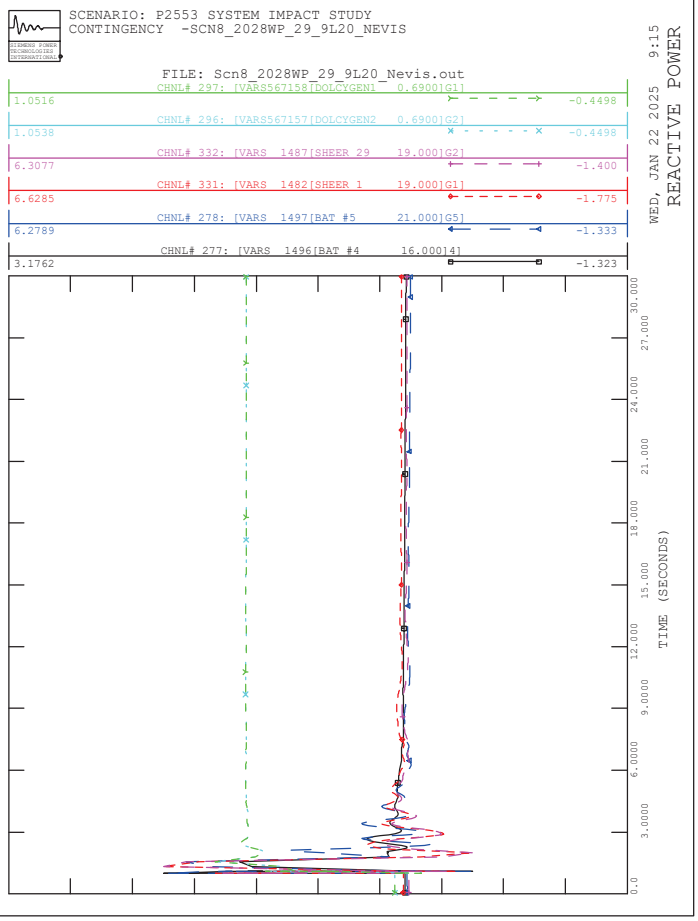
21.000
24.000
27.000
30.000
TIME (SECONDS)
WED, JAN 22 2025 9:15
ROTOR ANGLE


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_29_9L20_NEVIS
FILE: Scn8_2028WP_29_9L20_Nevis.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.0516
-0.4498
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.0538
-0.4498
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
6.3077
-1.400
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
6.6285
-1.775
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
6.2789
-1.333
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
3.1762
-1.323
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000
TIME (SECONDS)
WED, JAN 22 2025 9:15
REACTIVE POWER

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_29_9L20_NEVIS

FILE: Scn8_2028WP_29_9L20_Nevis.out

WED, JAN 22 2025 9:15 BUS VOLTAGE

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]] 1.3796 0.36240
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]] 1.2509 0.36030
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]] 1.1805 -0.0090
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]] 1.1996 0.35450
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]] 1.2004 0.34630
CHNL# 539: [VOLT 86 [PROVOST7 138.00]] 1.3588 0.34550

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_29_9L20_NEVIS

FILE: Scn8_2028WP_29_9L20_Nevis.out

WED, JAN 22 2025 9:15 BRANCH Q

CHNL# 562: [885L Q] 193.44 -149.4
CHNL# 560: [9L27 Q] 413.50 -436.4
CHNL# 558: [9L966 Q] 604.25 -573.4
CHNL# 556: [954L Q] 117.90 -142.1
CHNL# 554: [9L20 Q] 1942.9 -1388.
CHNL# 552: [398L Q] 61.211 -62.02

TIME (SECONDS)

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_29_9L20_NEVIS

FILE: Scn8_2028WP_29_9L20_Nevis.out

WED, JAN 22 2025 9:15 BUS VOLTAGE

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]] 1.2859 0.35980
CHNL# 544: [VOLT 814 [KILRY TP 138.00]] 1.3409 0.34740
CHNL# 537: [VOLT 74 [METIS647 138.00]] 1.3442 0.35170
CHNL# 547: [VOLT 1427 [NILREM3 240.00]] 1.2915 0.35960
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]] 1.3450 0.35170
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]] 1.3817 0.36300

TIME (SECONDS)

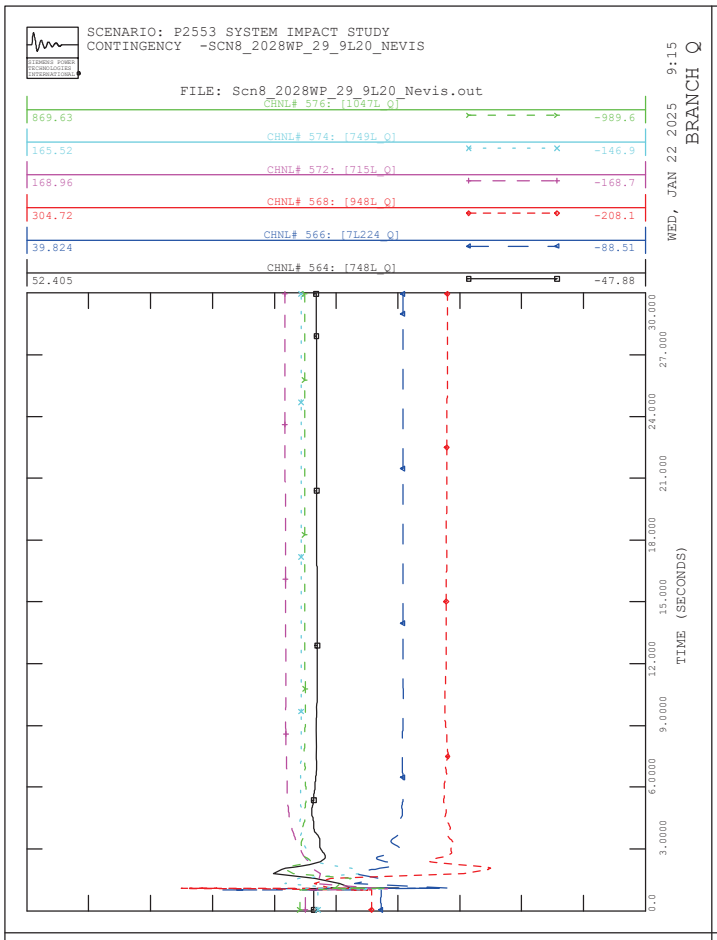
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_29_9L20_NEVIS

FILE: Scn8_2028WP_29_9L20_Nevis.out

WED, JAN 22 2025 9:15 BRANCH P

CHNL# 561: [885L P] 566.44 -334.1
CHNL# 559: [9L27 P] 881.07 -1388.
CHNL# 557: [9L966 P] 861.46 -495.9
CHNL# 555: [954L P] 85.249 -72.07
CHNL# 553: [9L20 P] 5000.0 -5000.
CHNL# 551: [398L P] 52.694 -89.79

TIME (SECONDS)


SCENARIO: P2553 SYSTEM IMPACT STUDY
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CHNL# 574: [749L Q]
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CHNL# 572: [715L Q]
168.96
-168.7
CHNL# 568: [948L Q]
304.72
-208.1
CHNL# 566: [7L224 Q]
39.824
-88.51
CHNL# 564: [748L Q]
52.405
-47.88
BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
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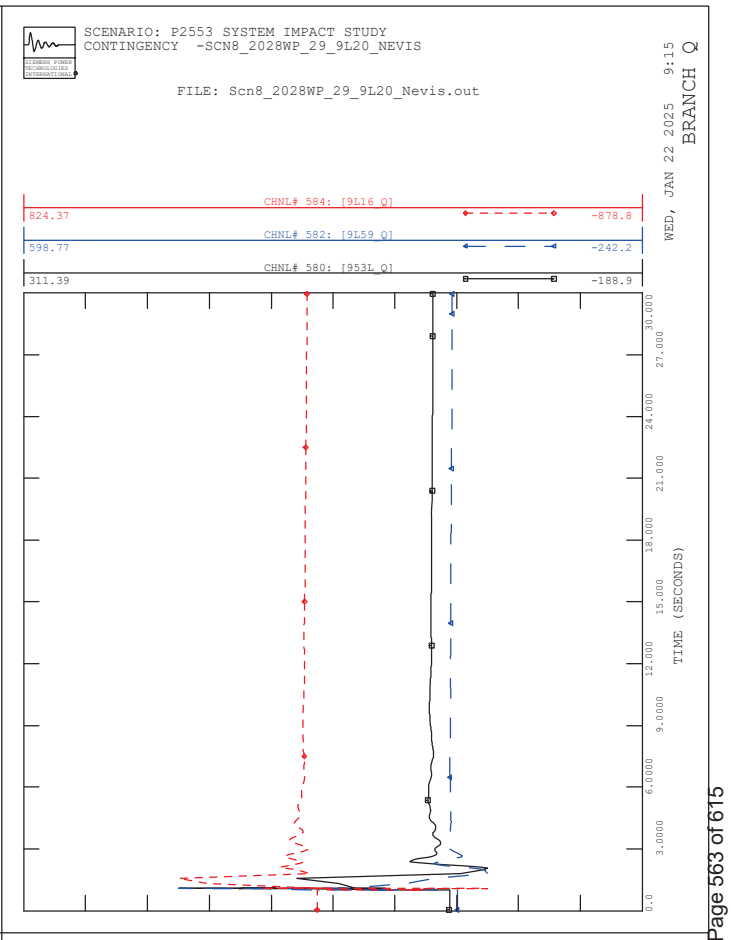
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_29_9L20_NEVIS
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CHNL# 582: [9L59 Q]
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-242.2
CHNL# 580: [953L Q]
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BRANCH Q
WED, JAN 22 2025 9:15
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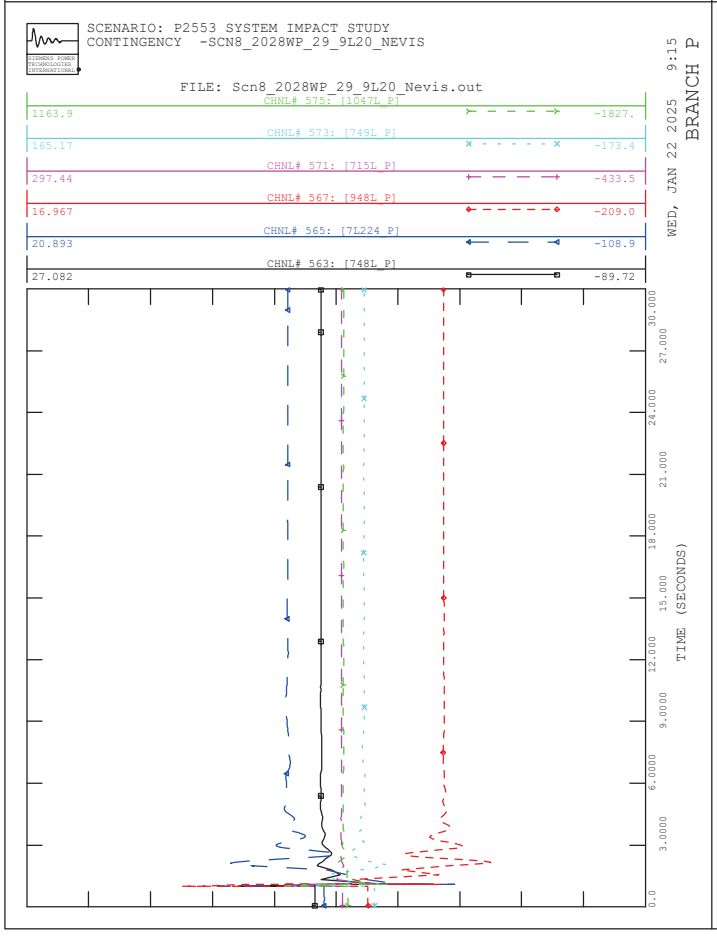
SCENARIO: P2553 SYSTEM IMPACT STUDY
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CHNL# 573: [749L P]
165.17
-173.4
CHNL# 571: [715L P]
297.44
-433.5
CHNL# 567: [948L P]
16.967
-209.0
CHNL# 565: [7L224 P]
20.893
-108.9
CHNL# 563: [748L P]
27.082
-89.72
BRANCH P
WED, JAN 22 2025 9:15
TIME (SECONDS)
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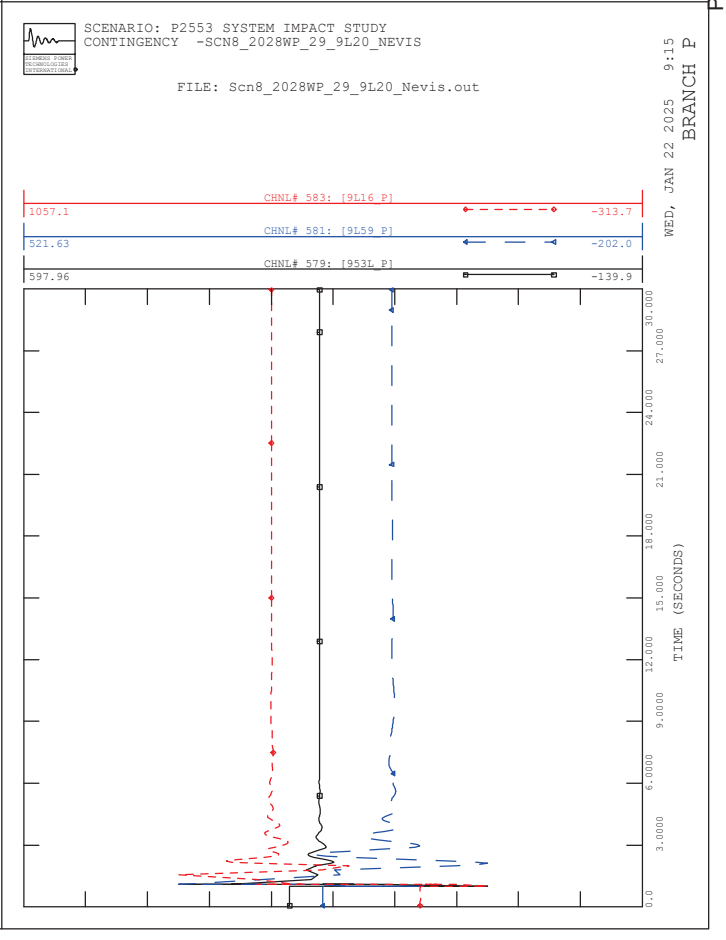
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_29_9L20_NEVIS
FILE: Scn8_2028WP_29_9L20_Nevis.out
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-313.7
CHNL# 581: [9L59 P]
521.63
-202.0
CHNL# 579: [953L P]
597.96
-139.9
BRANCH P
WED, JAN 22 2025 9:15
TIME (SECONDS)
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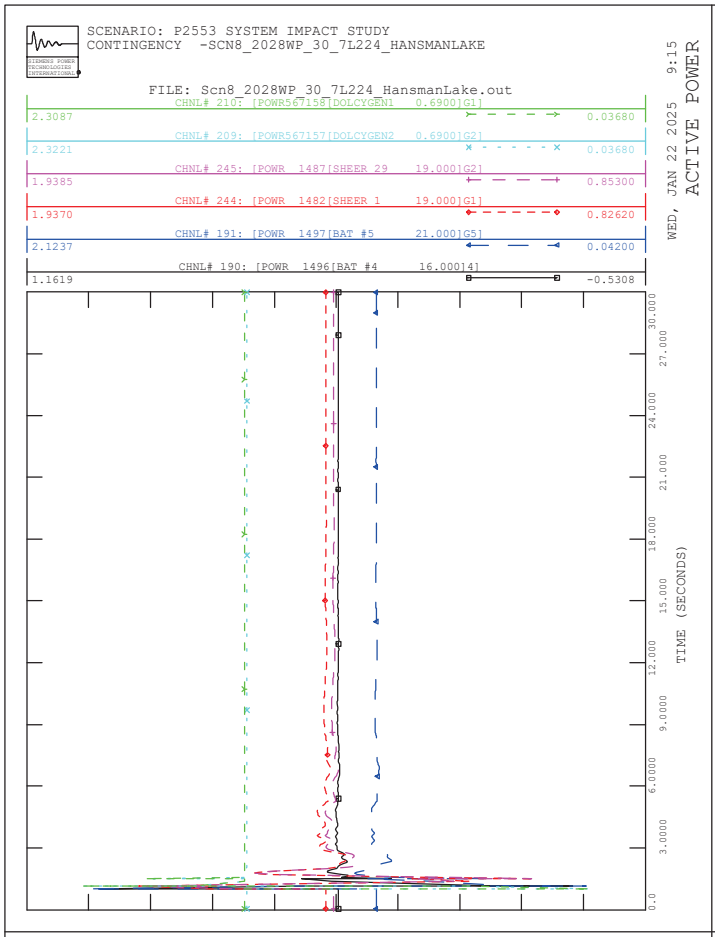
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_30_7L224_HANSMANLAKE
FILE: Scn8_2028WP_30_7L224_HansmanLake.out
CHNL# 210: [POWR567158[DOLCYGEN1 0.6900]G1]
2.3087
0.03680
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.3221
0.03680
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.9385
0.85300
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.9370
0.82620
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
2.1237
0.04200
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
1.1619
-0.5308
0.0
3.0000
6.0000
9.0000
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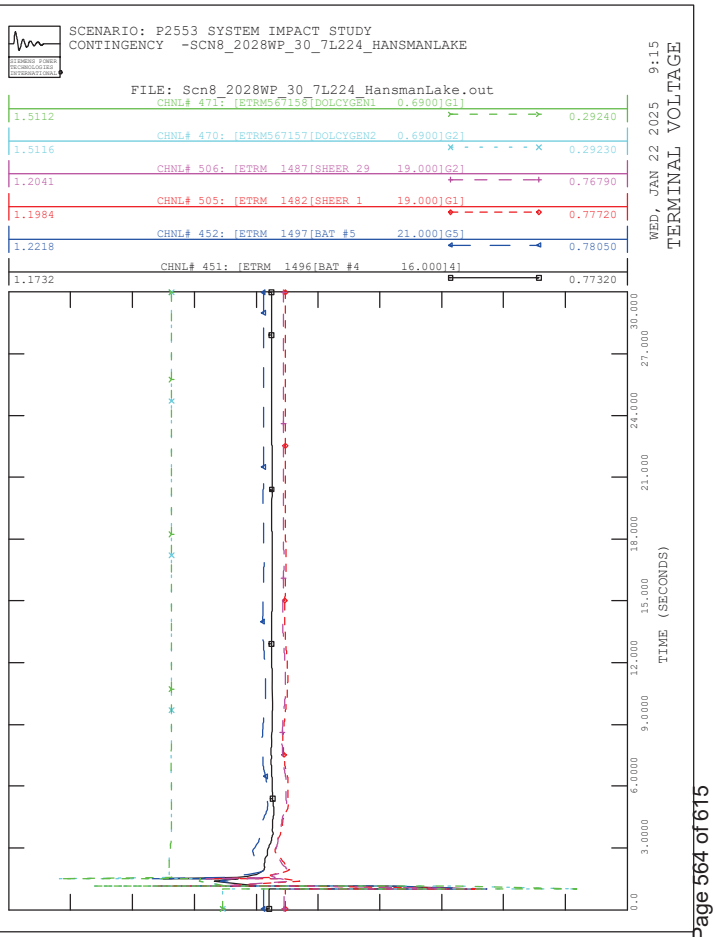
TIME (SECONDS)
WED, JAN 22 2025 9:15
ACTIVE POWER


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_30_7L224_HANSMANLAKE
FILE: Scn8_2028WP_30_7L224_HansmanLake.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.5112
0.29240
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.5116
0.29230
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.2041
0.76790
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.1984
0.77720
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.2218
0.78050
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1732
0.77320
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9.0000
12.000
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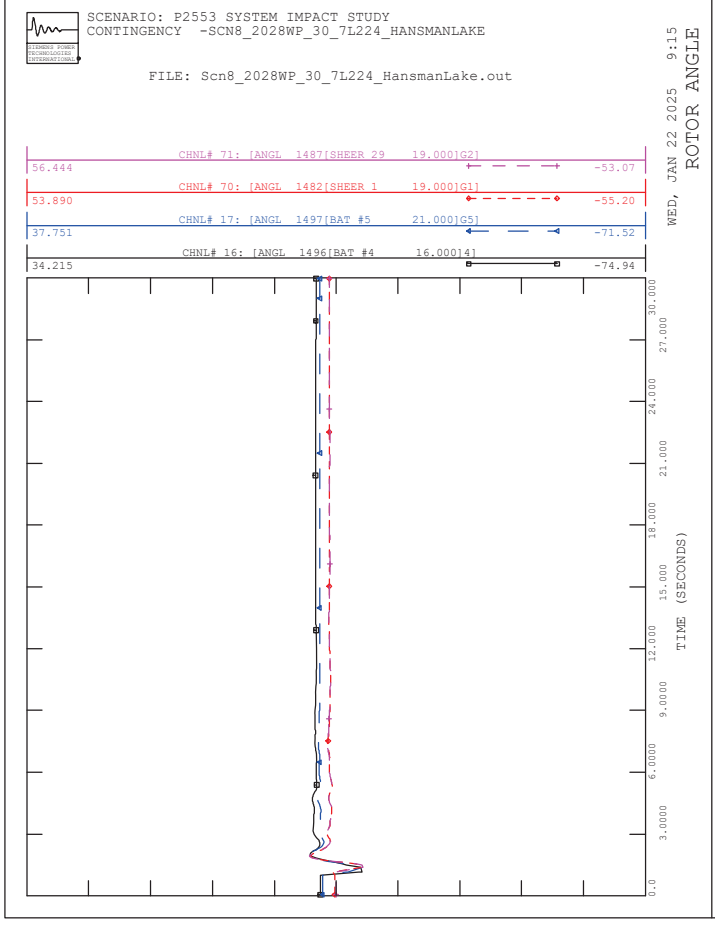
TIME (SECONDS)
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_30_7L224_HANSMANLAKE
FILE: Scn8_2028WP_30_7L224_HansmanLake.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
56.444
-53.07
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
53.890
-55.20
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
37.751
-71.52
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
34.215
-74.94
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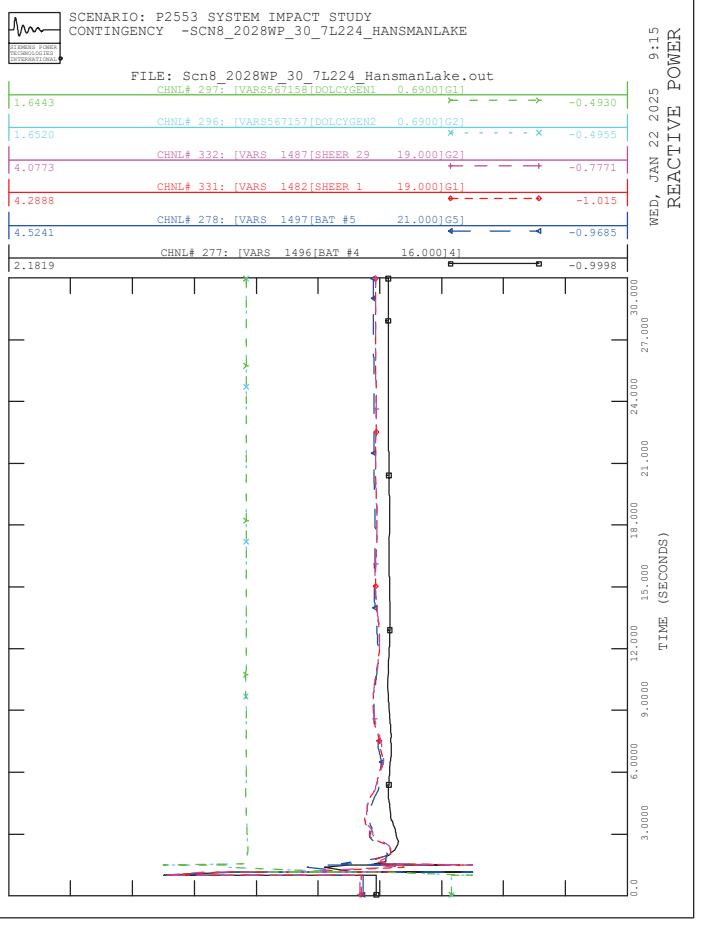
TIME (SECONDS)
WED, JAN 22 2025 9:15
ROTOR ANGLE


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_30_7L224_HANSMANLAKE
FILE: Scn8_2028WP_30_7L224_HansmanLake.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.6443
-0.4930
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.6520
-0.4955
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
4.0773
-0.7771
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
4.2888
-1.015
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
4.5241
-0.9685
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
2.1819
-0.9998
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000
TIME (SECONDS)
WED, JAN 22 2025 9:15
REACTIVE POWER

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_30_7L224_HANSMANLAKE

FILE: Scn8_2028WP_30_7L224_HansmanLake.out

WED, JAN 22 2025 9:15 BUS VOLTAGE

CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]] 1.4037 0.27810
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]] 1.3028 0.39710
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]] 1.1898 0.74000
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]] 1.2413 0.66420
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]] 1.2659 0.59130
CHNL# 539: [VOLT 86 [PROVOST7 138.00]] 1.4357 0.05520

TIME (SECONDS) 0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_30_7L224_HANSMANLAKE

FILE: Scn8_2028WP_30_7L224_HansmanLake.out

WED, JAN 22 2025 9:15 BRANCH Q

CHNL# 562: [885L_Q] 693.23 -843.0
CHNL# 560: [9L27_Q] 1264.5 -1032.
CHNL# 558: [9L966_Q] 1519.5 -2039.
CHNL# 556: [954L_Q] 1141.3 -1012.
CHNL# 554: [9L20_Q] 747.86 -550.2
CHNL# 552: [398L_Q] 83.670 -93.48

TIME (SECONDS) 0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_30_7L224_HANSMANLAKE

FILE: Scn8_2028WP_30_7L224_HansmanLake.out

WED, JAN 22 2025 9:15 BUS VOLTAGE

CHNL# 540: [VOLT 362 [EDGERTO7 138.00]] 1.3795 0.14610
CHNL# 544: [VOLT 814 [KILRY TP 138.00]] 1.4108 0.08270
CHNL# 537: [VOLT 74 [METIS647 138.00]] 1.3801 0.05970
CHNL# 547: [VOLT 1427 [NILREM3 240.00]] 1.3351 0.42010
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]] 1.3808 0.05340
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]] 1.4025 0.27180

TIME (SECONDS) 0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

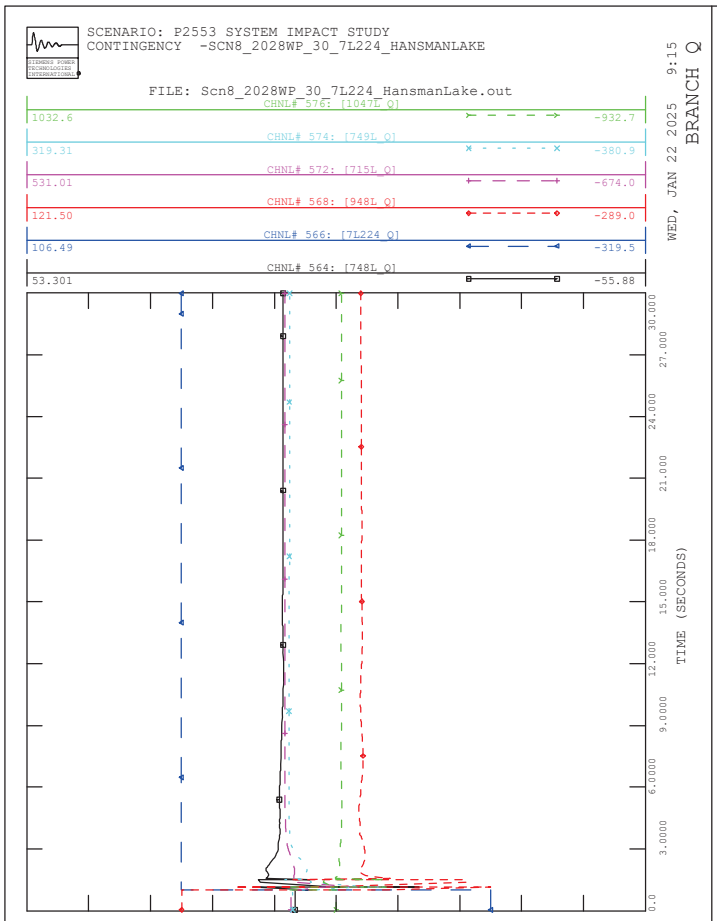
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_30_7L224_HANSMANLAKE

FILE: Scn8_2028WP_30_7L224_HansmanLake.out

WED, JAN 22 2025 9:15 BRANCH P

CHNL# 561: [885L_P] 805.66 -712.1
CHNL# 559: [9L27_P] 860.21 -1304.
CHNL# 557: [9L966_P] 786.25 -446.3
CHNL# 555: [954L_P] 239.03 -168.6
CHNL# 553: [9L20_P] 501.82 -1196.
CHNL# 551: [398L_P] 158.36 -221.2

TIME (SECONDS) 0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000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CONTINGENCY -SCN8_2028WP_30_7L224_HANSMANLAKE
FILE: Scn8_2028WP_30_7L224_HansmanLake.out
CHNL# 576: [1047L Q]
1032.6
-932.7
CHNL# 574: [749L Q]
319.31
-380.9
CHNL# 572: [715L Q]
531.01
-674.0
CHNL# 568: [948L Q]
121.50
-289.0
CHNL# 566: [7L224 Q]
106.49
-319.5
CHNL# 564: [748L Q]
53.301
-55.88
BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
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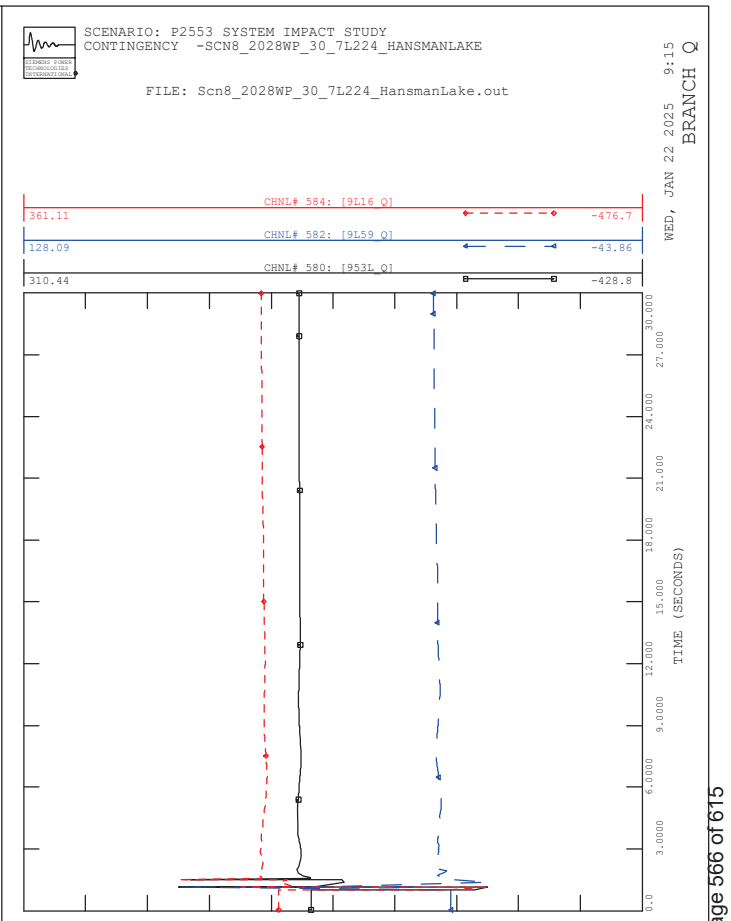
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_30_7L224_HANSMANLAKE
FILE: Scn8_2028WP_30_7L224_HansmanLake.out
CHNL# 584: [9L16 Q]
361.11
-476.7
CHNL# 582: [9L59 Q]
128.09
-43.86
CHNL# 580: [953L Q]
310.44
-428.8
BRANCH Q
WED, JAN 22 2025 9:15
TIME (SECONDS)
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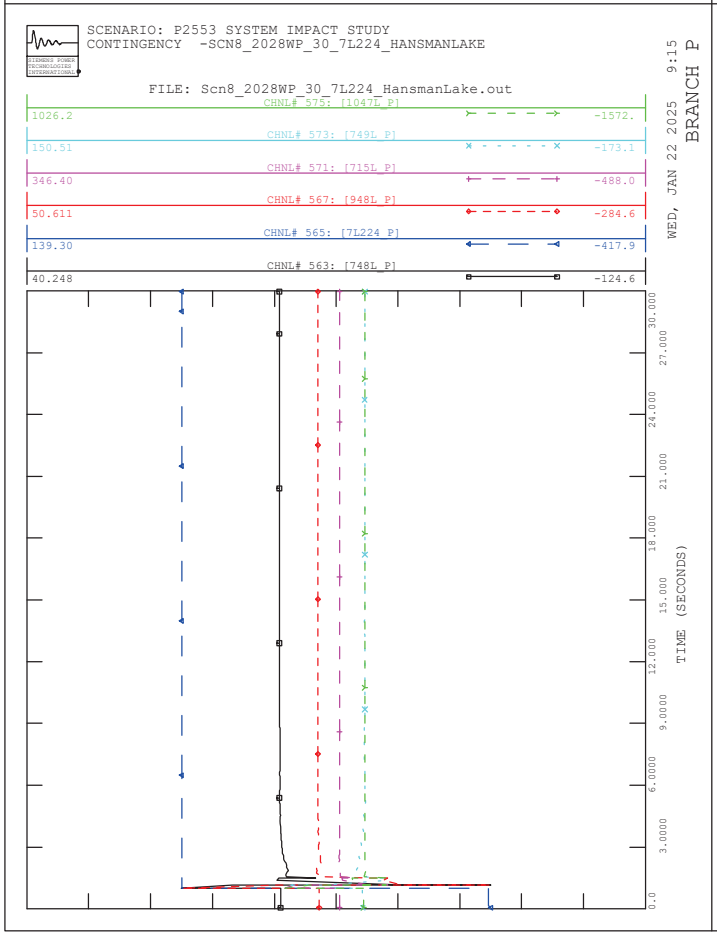
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FILE: Scn8_2028WP_30_7L224_HansmanLake.out
CHNL# 575: [1047L P]
1026.2
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CHNL# 573: [749L P]
150.51
-173.1
CHNL# 571: [715L P]
346.40
-488.0
CHNL# 567: [948L P]
50.611
-284.6
CHNL# 565: [7L224 P]
139.30
-417.9
CHNL# 563: [748L P]
40.248
-124.6
BRANCH P
WED, JAN 22 2025 9:15
TIME (SECONDS)
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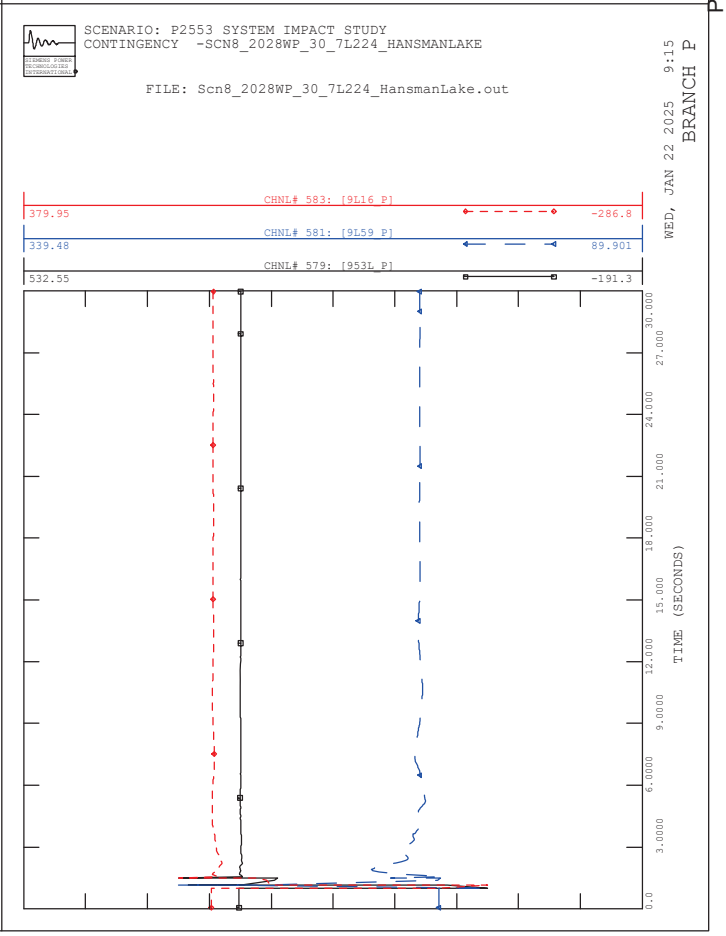
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_30_7L224_HANSMANLAKE
FILE: Scn8_2028WP_30_7L224_HansmanLake.out
CHNL# 583: [9L16 P]
379.95
-286.8
CHNL# 581: [9L59 P]
339.48
89.901
CHNL# 579: [953L P]
532.55
-191.3
BRANCH P
WED, JAN 22 2025 9:15
TIME (SECONDS)
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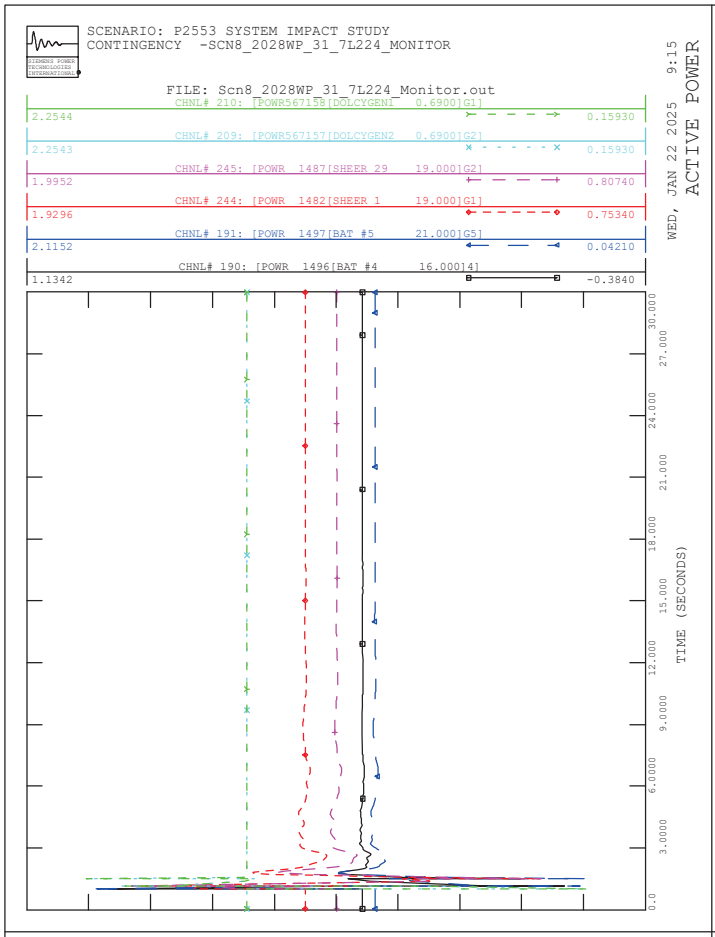
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_31_7L224_MONITOR
FILE: Scn8_2028WP_31_7L224_Monitor.out
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2.2544
0.15930
CHNL# 209: [POWR567157[DOLCYGEN2 0.6900]G2]
2.2543
0.15930
CHNL# 245: [POWR 1487[SHEER 29 19.000]G2]
1.9952
0.80740
CHNL# 244: [POWR 1482[SHEER 1 19.000]G1]
1.9296
0.75340
CHNL# 191: [POWR 1497[BAT #5 21.000]G5]
2.1152
0.04210
CHNL# 190: [POWR 1496[BAT #4 16.000]4]
1.1342
-0.3840
0.0
3.0000
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9.0000
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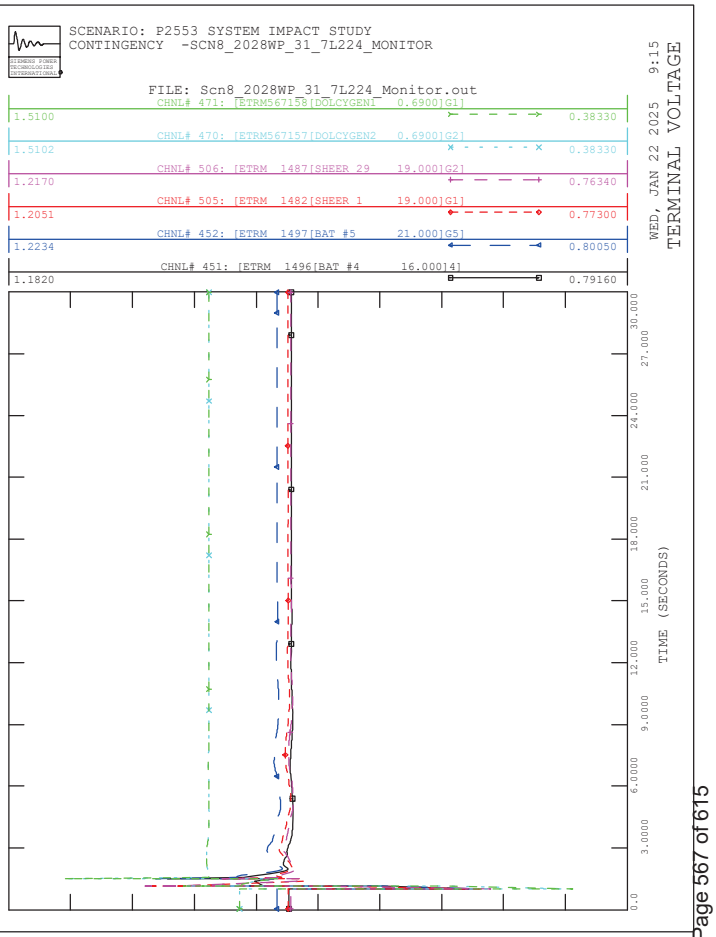
TIME (SECONDS)
WED, JAN 22 2025 9:15
ACTIVE POWER


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_31_7L224_MONITOR
FILE: Scn8_2028WP_31_7L224_Monitor.out
CHNL# 471: [ETRM567158[DOLCYGEN1 0.6900]G1]
1.5100
0.38330
CHNL# 470: [ETRM567157[DOLCYGEN2 0.6900]G2]
1.5102
0.38330
CHNL# 506: [ETRM 1487[SHEER 29 19.000]G2]
1.2170
0.76340
CHNL# 505: [ETRM 1482[SHEER 1 19.000]G1]
1.2051
0.77300
CHNL# 452: [ETRM 1497[BAT #5 21.000]G5]
1.2234
0.80050
CHNL# 451: [ETRM 1496[BAT #4 16.000]4]
1.1820
0.79160
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6.0000
9.0000
12.000
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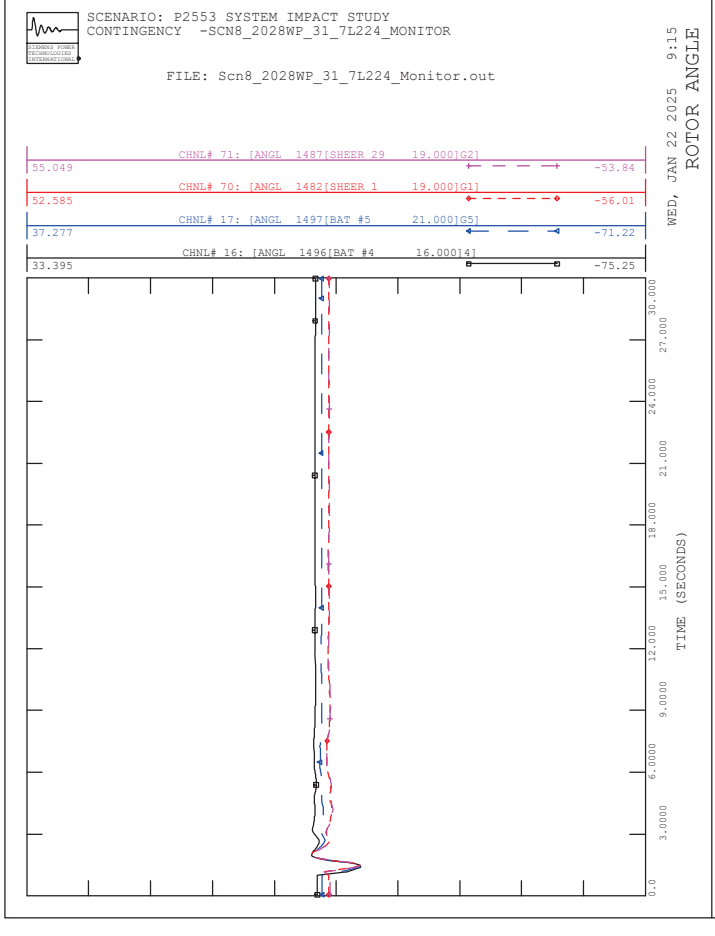
TIME (SECONDS)
WED, JAN 22 2025 9:15
TERMINAL VOLTAGE


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_31_7L224_MONITOR
FILE: Scn8_2028WP_31_7L224_Monitor.out
CHNL# 71: [ANGL 1487[SHEER 29 19.000]G2]
55.049
-53.84
CHNL# 70: [ANGL 1482[SHEER 1 19.000]G1]
52.585
-56.01
CHNL# 17: [ANGL 1497[BAT #5 21.000]G5]
37.277
-71.22
CHNL# 16: [ANGL 1496[BAT #4 16.000]4]
33.395
-75.25
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9.0000
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24.000
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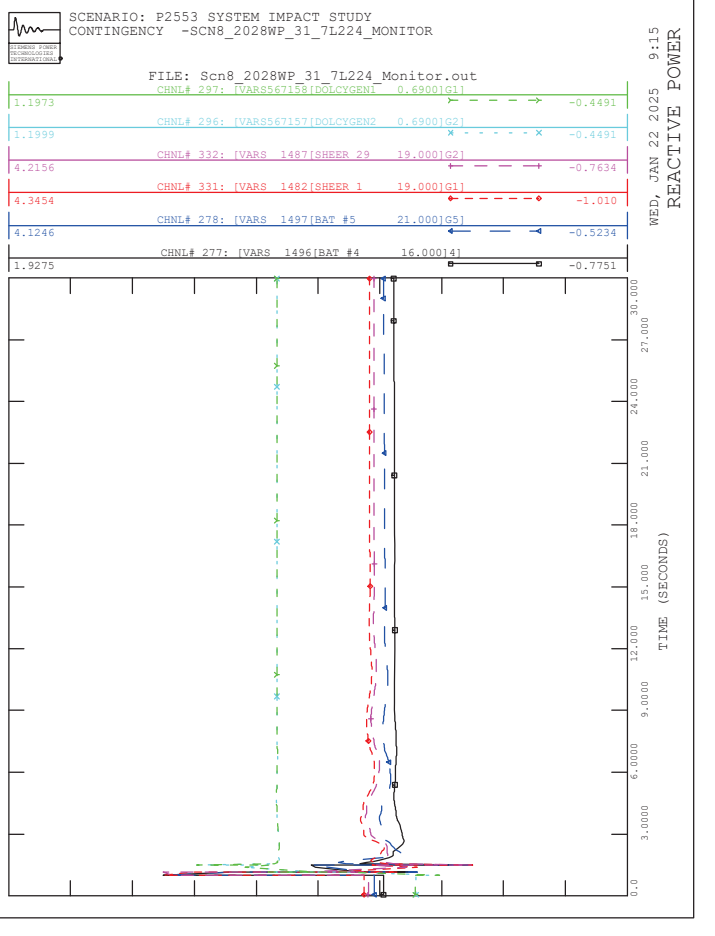
30.000
TIME (SECONDS)
WED, JAN 22 2025 9:15
ROTOR ANGLE


SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_31_7L224_MONITOR
FILE: Scn8_2028WP_31_7L224_Monitor.out
CHNL# 297: [VARS567158[DOLCYGEN1 0.6900]G1]
1.1973
-0.4491
CHNL# 296: [VARS567157[DOLCYGEN2 0.6900]G2]
1.1999
-0.4491
CHNL# 332: [VARS 1487[SHEER 29 19.000]G2]
4.2156
-0.7634
CHNL# 331: [VARS 1482[SHEER 1 19.000]G1]
4.3454
-1.010
CHNL# 278: [VARS 1497[BAT #5 21.000]G5]
4.1246
-0.5234
CHNL# 277: [VARS 1496[BAT #4 16.000]4]
1.9275
-0.7751
0.0
3.0000
6.0000
9.0000
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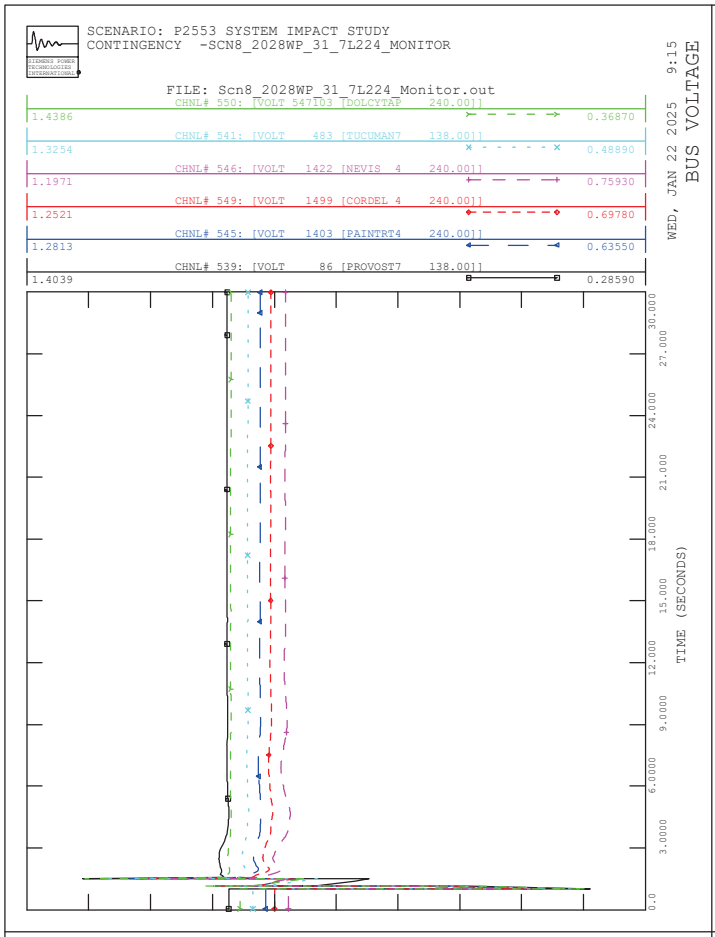
REACTIVE POWER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FILE: Scn8_2028WP_31_7L224_Monitor.out
CHNL# 550: [VOLT 547103 [DOLCYTAP 240.00]] 0.36870
CHNL# 541: [VOLT 483 [TUCUMAN7 138.00]] 0.48890
CHNL# 546: [VOLT 1422 [NEVIS 4 240.00]] 0.75930
CHNL# 549: [VOLT 1499 [CORDEL 4 240.00]] 0.69780
CHNL# 545: [VOLT 1403 [PAINTRT4 240.00]] 0.63550
CHNL# 539: [VOLT 86 [PROVOST7 138.00]] 0.28590
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1.3254
1.1971
1.2521
1.2813
1.4039
WED, JAN 22 2025 9:15
BUS VOLTAGE
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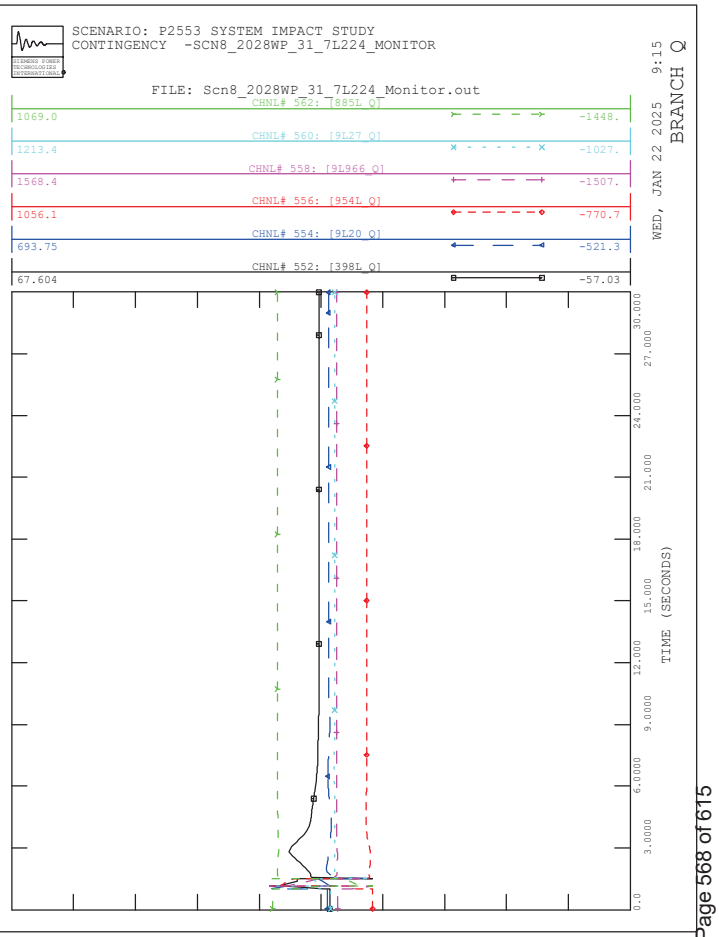
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FILE: Scn8_2028WP_31_7L224_Monitor.out
CHNL# 562: [885L Q] -1448.
CHNL# 560: [9L27 Q] -1027.
CHNL# 558: [9L966 Q] -1507.
CHNL# 556: [954L Q] -770.7
CHNL# 554: [9L20 Q] -521.3
CHNL# 552: [398L Q] -57.03
1069.0
1213.4
1568.4
1056.1
693.75
67.604
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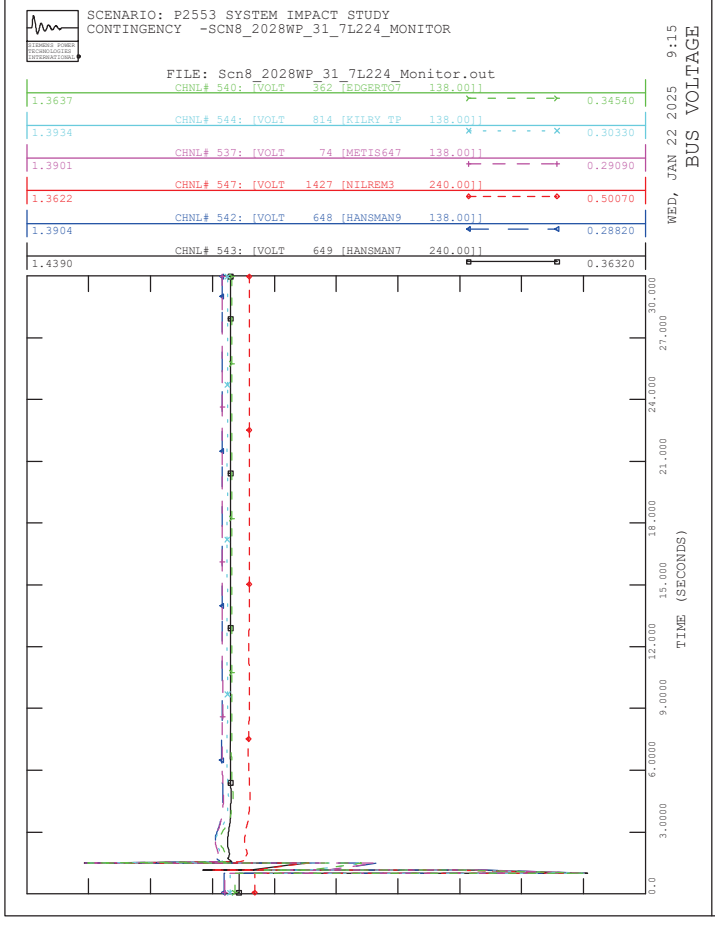
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CHNL# 540: [VOLT 362 [EDGERT07 138.00]] 0.34540
CHNL# 544: [VOLT 814 [KILRY TP 138.00]] 0.30330
CHNL# 537: [VOLT 74 [METIS647 138.00]] 0.29090
CHNL# 547: [VOLT 1427 [NILREM3 240.00]] 0.50070
CHNL# 542: [VOLT 648 [HANSMAN9 138.00]] 0.28820
CHNL# 543: [VOLT 649 [HANSMAN7 240.00]] 0.36320
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1.3901
1.3622
1.3904
1.4390
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9.0000
12.000
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24.000
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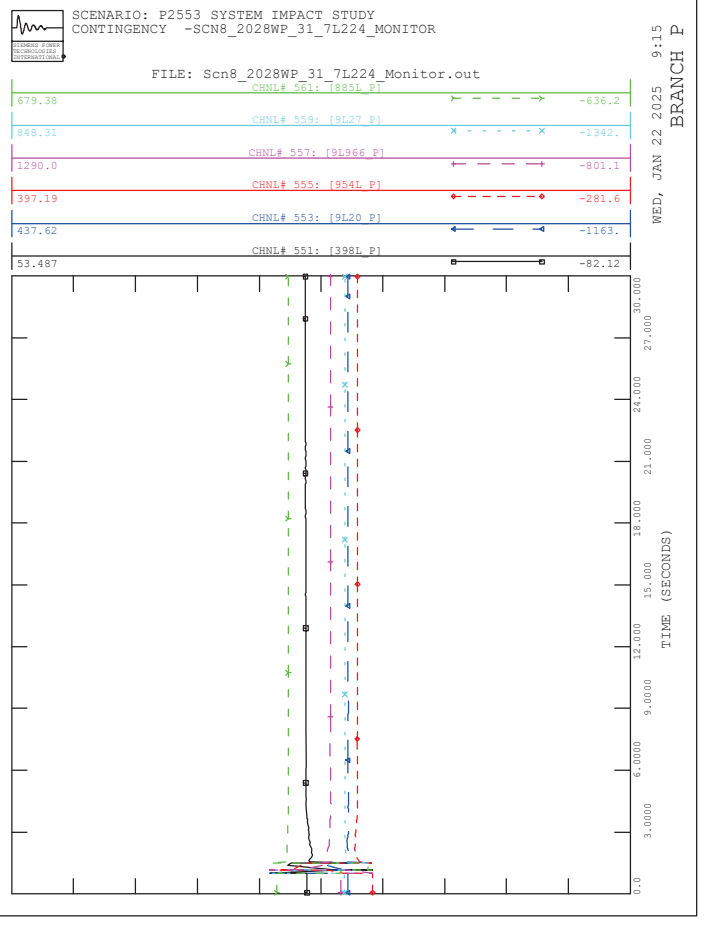
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CHNL# 559: [9L27 P] -1342.
CHNL# 557: [9L966 P] -801.1
CHNL# 555: [954L P] -281.6
CHNL# 553: [9L20 P] -1163.
CHNL# 551: [398L P] -82.12
679.38
848.31
1290.0
397.19
437.62
53.487
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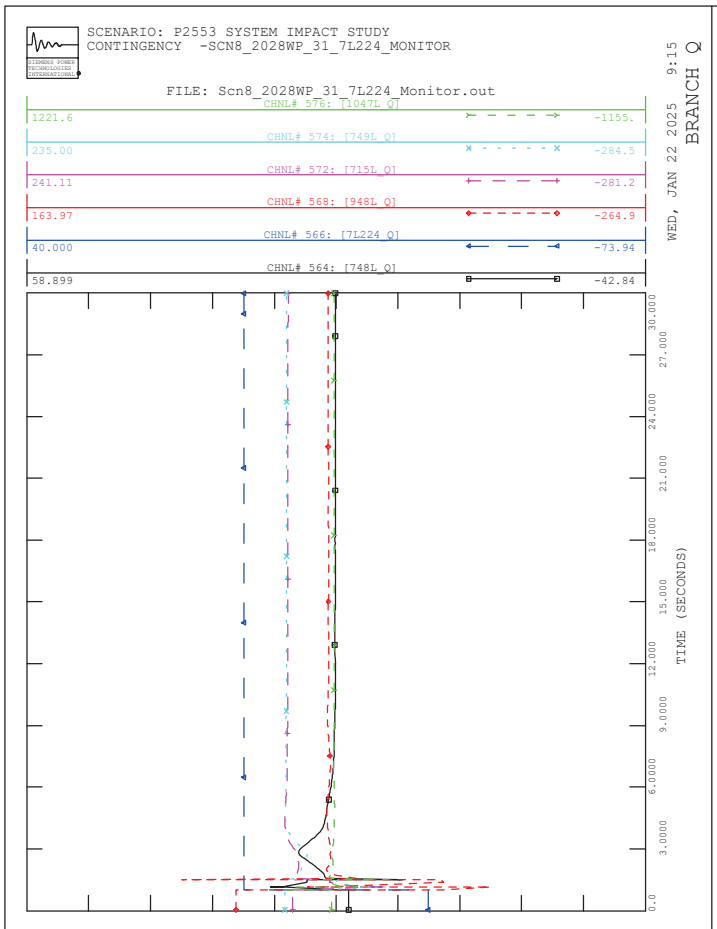
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-1155.
CHNL# 574: [749L_Q]
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-284.5
CHNL# 572: [715L_Q]
241.11
-281.2
CHNL# 568: [948L_Q]
163.97
-264.9
CHNL# 566: [7L224_Q]
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-73.94
CHNL# 564: [748L_Q]
58.899
-42.84
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9.0000
12.000
15.000
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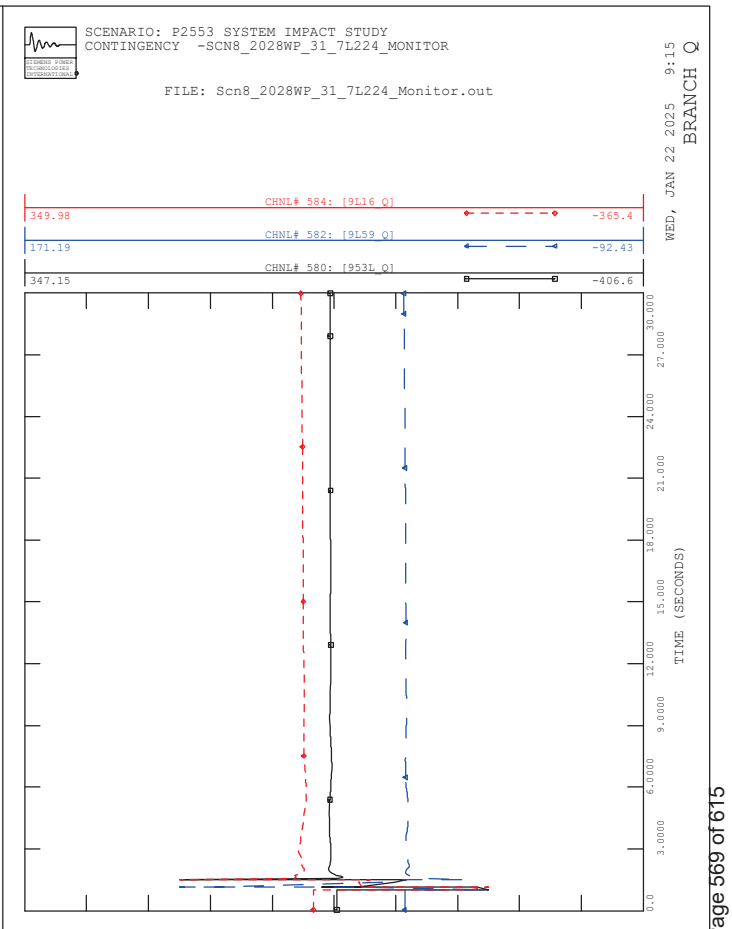
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FILE: Scn8_2028WP_31_7L224_Monitor.out
CHNL# 584: [9L16_Q]
349.98
-365.4
CHNL# 582: [9L59_Q]
171.19
-92.43
CHNL# 580: [953L_Q]
347.15
-406.6
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6.0000
9.0000
12.000
15.000
18.000
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27.000
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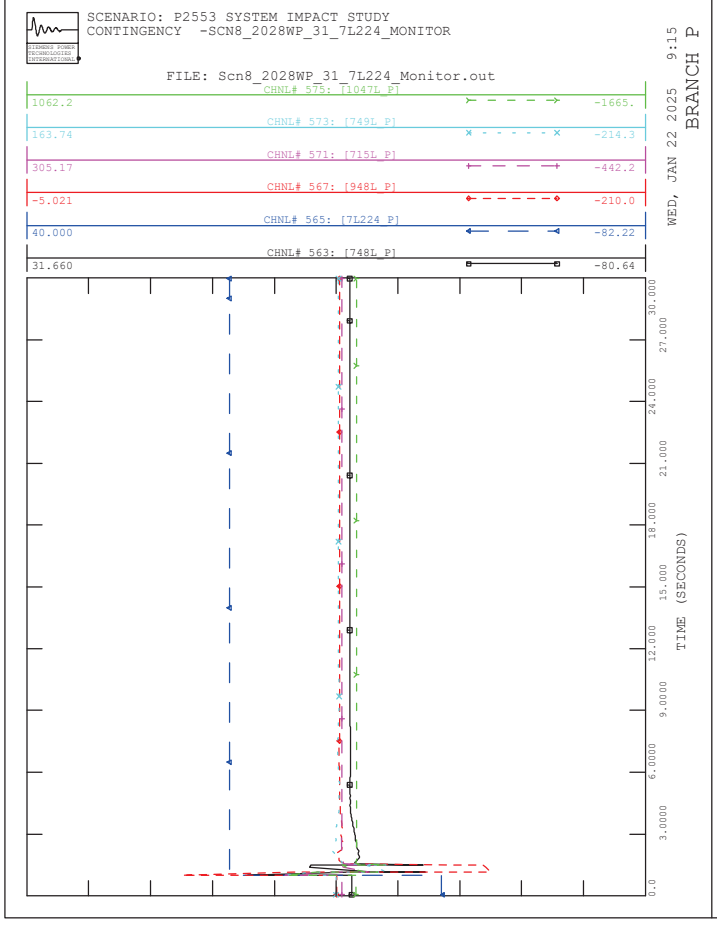
SCENARIO: P2553 SYSTEM IMPACT STUDY
CONTINGENCY -SCN8_2028WP_31_7L224_MONITOR
FILE: Scn8_2028WP_31_7L224_Monitor.out
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-1665.
CHNL# 573: [749L_P]
163.74
-214.3
CHNL# 571: [715L_P]
305.17
-442.2
CHNL# 567: [948L_P]
-5.021
-210.0
CHNL# 565: [7L224_P]
40.000
-82.22
CHNL# 563: [748L_P]
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-80.64
WED, JAN 22 2025 9:15
BRANCH P
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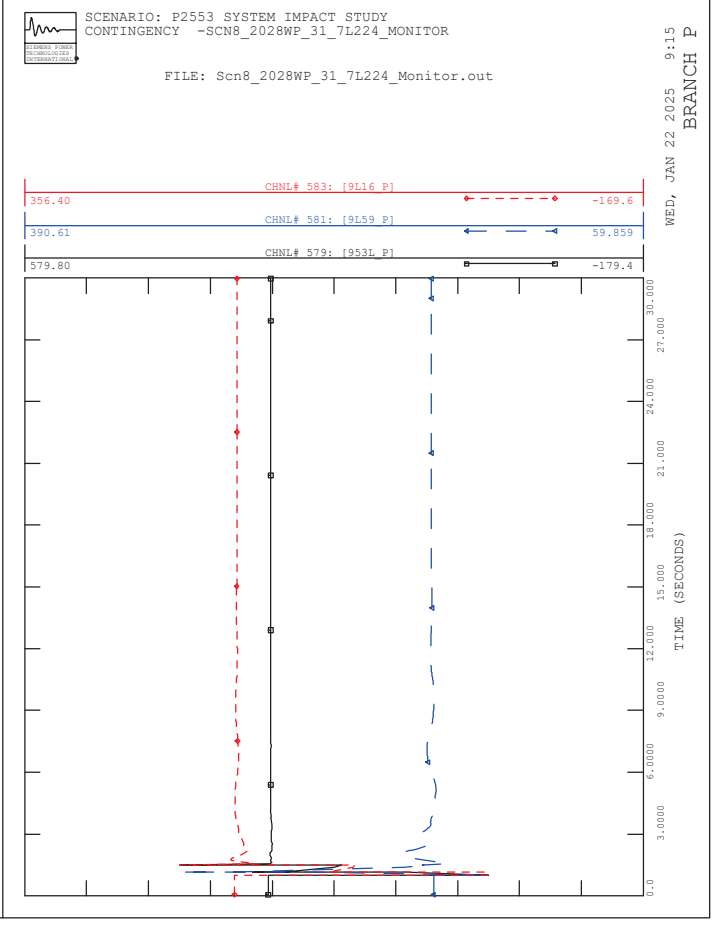
SCENARIO: P2553 SYSTEM IMPACT STUDY
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FILE: Scn8_2028WP_31_7L224_Monitor.out
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-169.6
CHNL# 581: [9L59_P]
390.61
59.859
CHNL# 579: [953L_P]
579.80
-179.4
WED, JAN 22 2025 9:15
BRANCH P
TIME (SECONDS)
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3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

Attachment A6
Dynamic Data and Assumptions

```
@!
@! STAGE 2 Project Data Update Package: P2553
@! ================================================
@! Created by SH for AltaLink
@! Created on August 09, 2023, revised on March 05, 2024
@!
567158 'USRMDL' G1 'REGCAU1' 101 1 1 14 3 4
0
0.02 10.0 0.9 0.5 1.1 1.1 0.90 0.00 -1.0 0.01 0 99 -99 1/

567158 'USRMDL' G1 'REECAU1' 102 0 6 45 6 9
0 0 0 0 0                                                0
0.90 1.1 0.01 -0.10 0.10 1 1.0 -1.0 1.00       0 0 0
0.01 1.00 -1.00 1.10 0.9 0.3 5.0 0.5 0.0       0
0.01 99 -99 1 0 1.0 0.01
0.00 0.01 0.49 0.01 0.5 1 1.2 1
0.00 0.01 0.49 0.01 0.5 1 1.2 1/

567158 'USRMDL' G1 'REPCAU1' 107 0 7 27 7 9
557058 0 0 0 0 1 1
0.20000E-01     2.5000        7.0000        0.0000        0.20000
0.90000        0.0000        0.0000        0.90000E-01     1.0000
-1.0000        0.0000        0.0000        1             -1
0.50000        2.0000        0.25000E-01    -0.60000E-03    0.60000E-03
1.0000        -1.0000        1       -1        0.20000
20.000         20.000     /

567157 'USRMDL' G2 'REGCAU1' 101 1 1 14 3 4
0
0.02 10.0 0.9 0.5 1.1 1.1 0.90 0.00 -1.0 0.01 0 99 -99 1/

567157 'USRMDL' G2 'REECAU1' 102 0 6 45 6 9
0 0 0 0 0                                                0
0.90 1.1 0.01 -0.10 0.10 1 1.0 -1.0 1.00       0 0 0
0.01 1.00 -1.00 1.10 0.9 0.3 5.0 0.5 0.0       0
0.01 99 -99 1 0 1.0 0.01
0.00 0.01 0.49 0.01 0.5 1 1.2 1
0.00 0.01 0.49 0.01 0.5 1 1.2 1/

567157 'USRMDL' G2 'REPCAU1' 107 0 7 27 7 9
557057 0 0 0 0 1 1
0.20000E-01     2.5000        7.0000        0.0000        0.20000
0.90000        0.0000        0.0000        0.90000E-01     1.0000
-1.0000        0.0000        0.0000        1             -1
```

```
0.50000       2.0000       0.25000E-01   -0.60000E-03    0.60000E-03
1.0000       -1.0000       1      -1       0.20000
20.000        20.000     /


567156, 'USRMDL', G3, 'REGCAU1', 101, 1, 1, 14, 3, 4
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0.0200     10         0.9000     0.5000   1.0000
1.2000     0.01       0.0000     -1.0000   0.0000
0.0000     20.000     -20.000     1.0000/

567156 'USRMDL'  G3   'REECCU1'  102   0   5   45   7   6
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   0           0     0      0       0
@!/ Vdip          Vup          Trv          dbd1         dbd2
 0.90000        1.1000         0.010        -0.10000       0.10000
@!/ Kqv          Iqh1         Iql1         Vref0        Tp
 2.0000         1.0000        -1.0000         0.0000         0.050
@!/ QMax          QMin         Vmax          Vmin          Kqp
 1.000         -1.000         1.2000        0.80000         0.0000
@!/ Kqi          Kvp          Kvi          Tiq          dPmax
 1.0000         0.0000         1.0000         0.4600         1.000
@!/ dPmin         Pmax          Pmin         Imax          Tpord
 -1.000         1.0000        -1.0000         1.0000         0.0100
@!/ Vq1          Iq1          Vq2          Iq2          Vq3
 0.0000         1.0000         0.33000         1.0000         0.66000
@!/ Iq3          Vq4          Iq4          Vp1          Ip1
 1.0000         1.0000         1.0000         0.0000         1.0000
@!/ Vp2          Ip2          Vp3          Ip3          Vp4
 0.33           1.0000        0.66000         1.0000         1.0000
@!/ Ip4          T           SOCini         SOCmax         SOCmin
 1.0000         7200.0         0.50000         1.0000         0.0000/

567156, 'USRMDL', G3, 'REPCAU1', 107, 0, 7, 27, 7, 9,
557056            0           0            0          0        1         1
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0.90000         0.0000         0.0000         0.90000E-01     1.0000
-1.0000         0.0000         0.0000        1            -1
0.50000       2.0000       0.25000E-01   -0.60000E-03    0.60000E-03
1.0000       -1.0000       1      -1       0.20000
20.000        20.000     /
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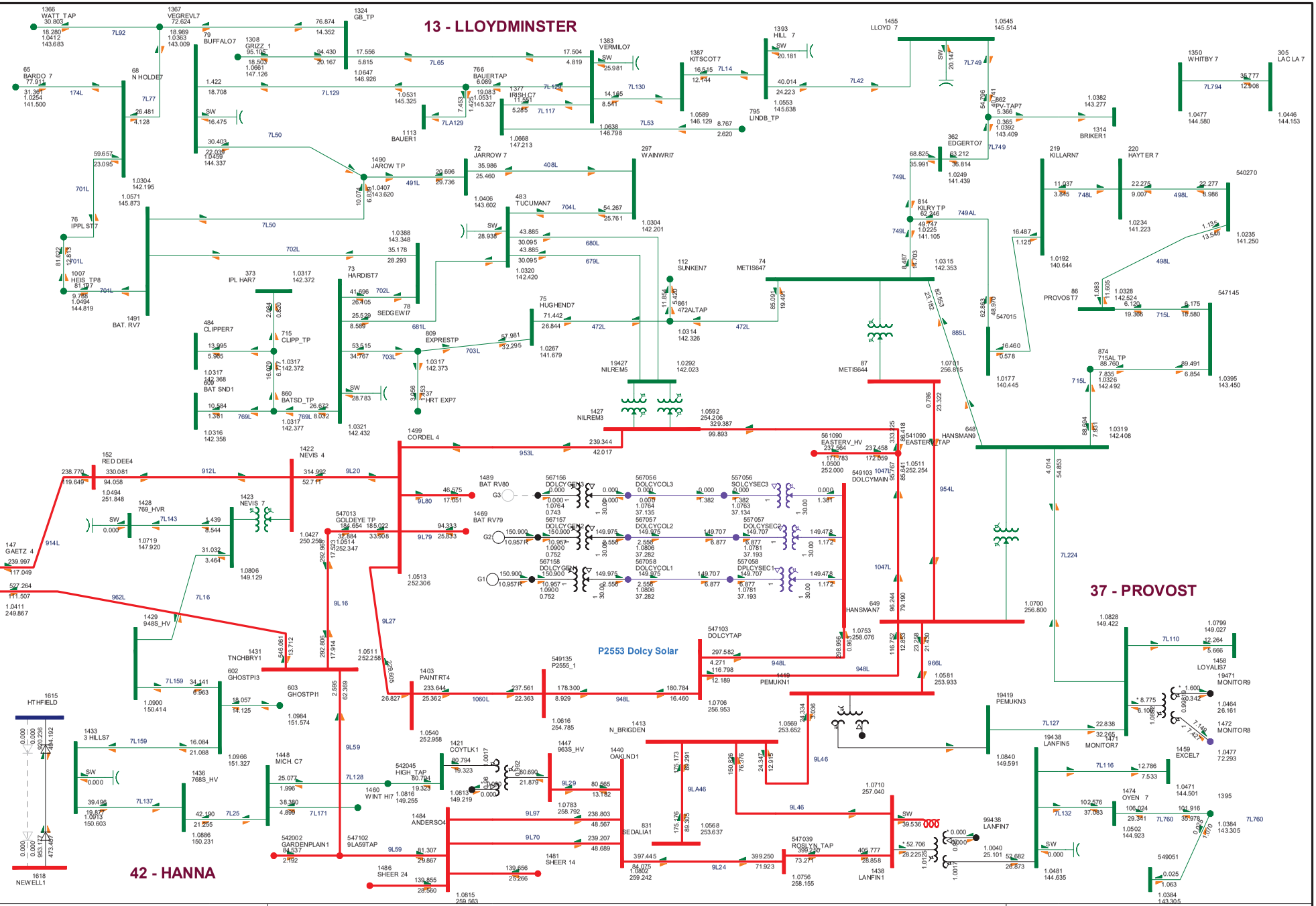
Attachment A7
Post-Mitigation Power Flow Diagrams

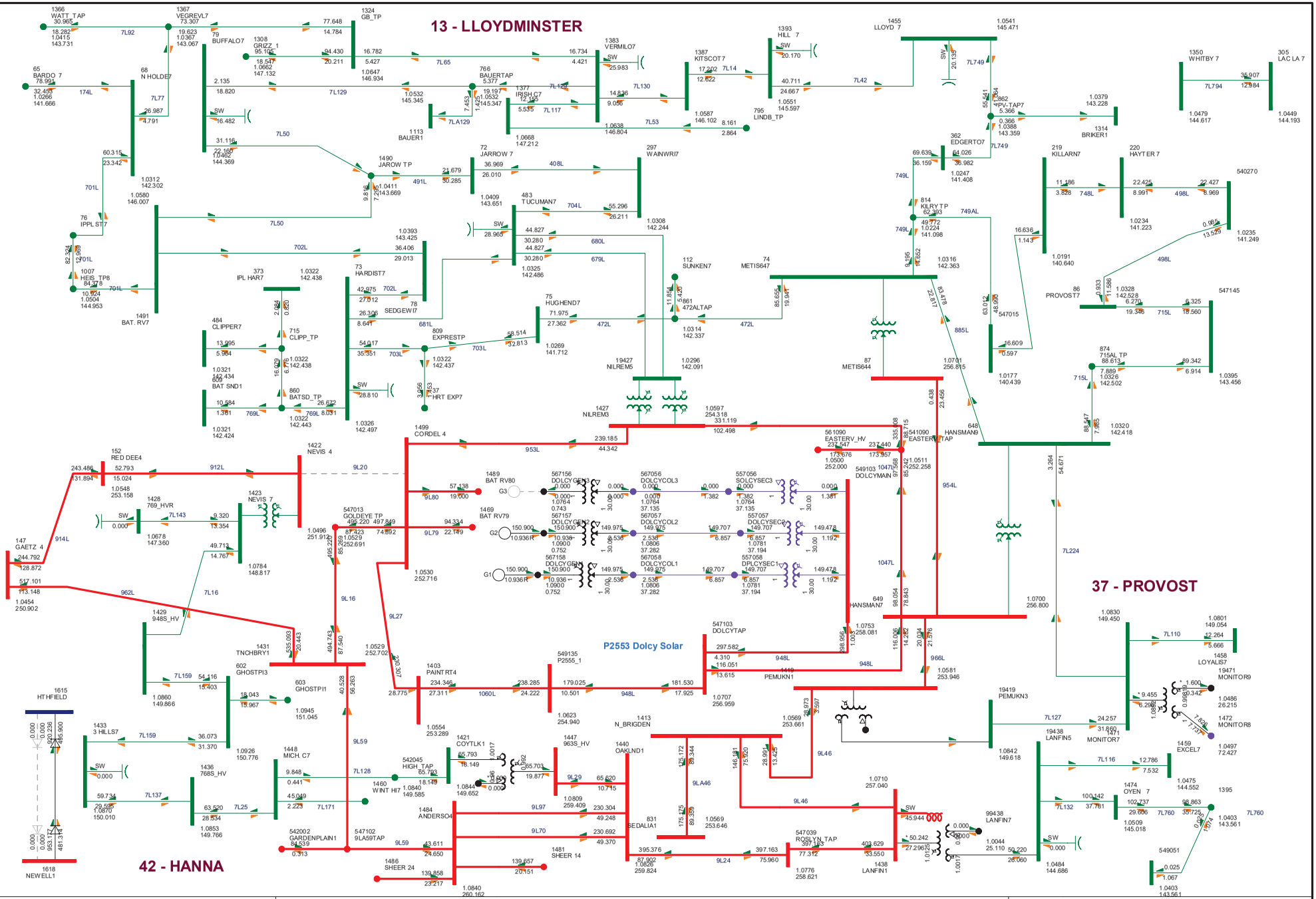


P2553 Dolcy Solar Battery MPC

FIGURE A7.1-1-N-0: NORMAL OPERATION
2028 SUMMER LIGHT HG (POST-CONNECTION) WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

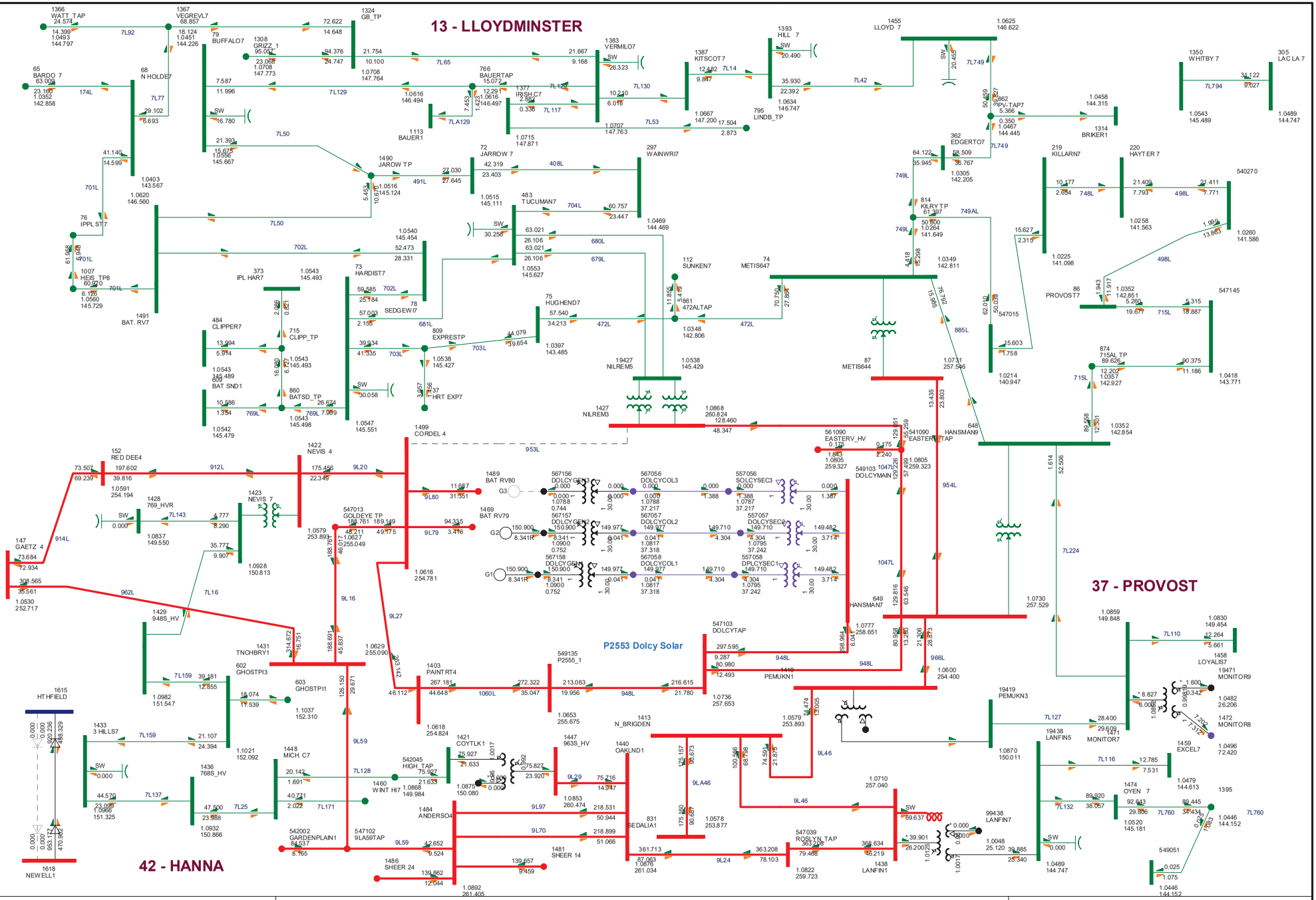


P2553 Dolcy Solar Battery MPC

FIGURE A7.1-2 N-1: 9L20 (NEVIS 766S TO CORDEL 755S)
2028 SUMMER LIGHT HG (POST-CONNECTION) WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025

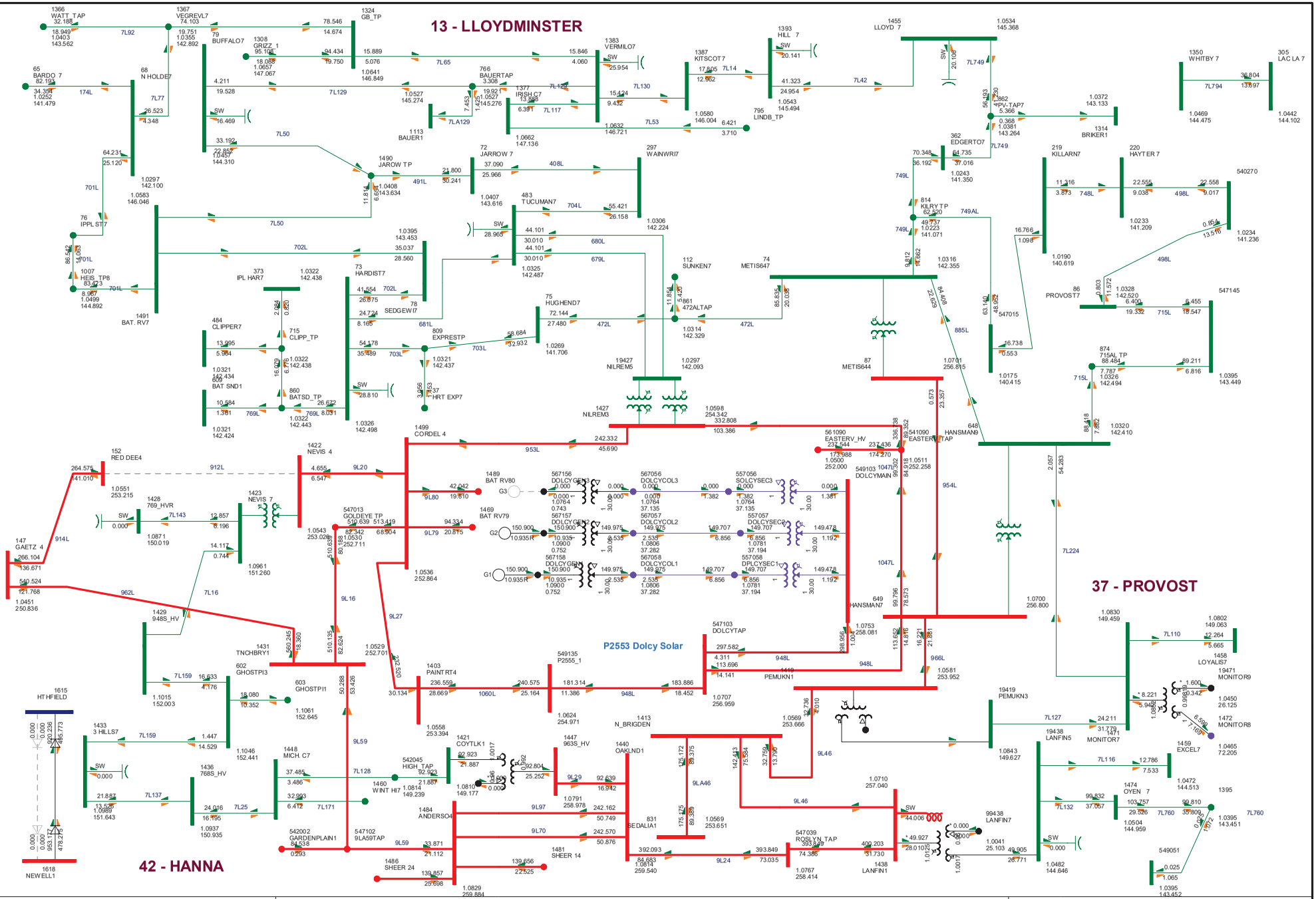
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000



P2553 Dolcy Solar Battery MPC

FIGURE A7.1-3 N-1: 953L (NILREN 574S TO CORDEL 755S)
2028 SUMMER LIGHT HG (POST-CONNECTION) WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025

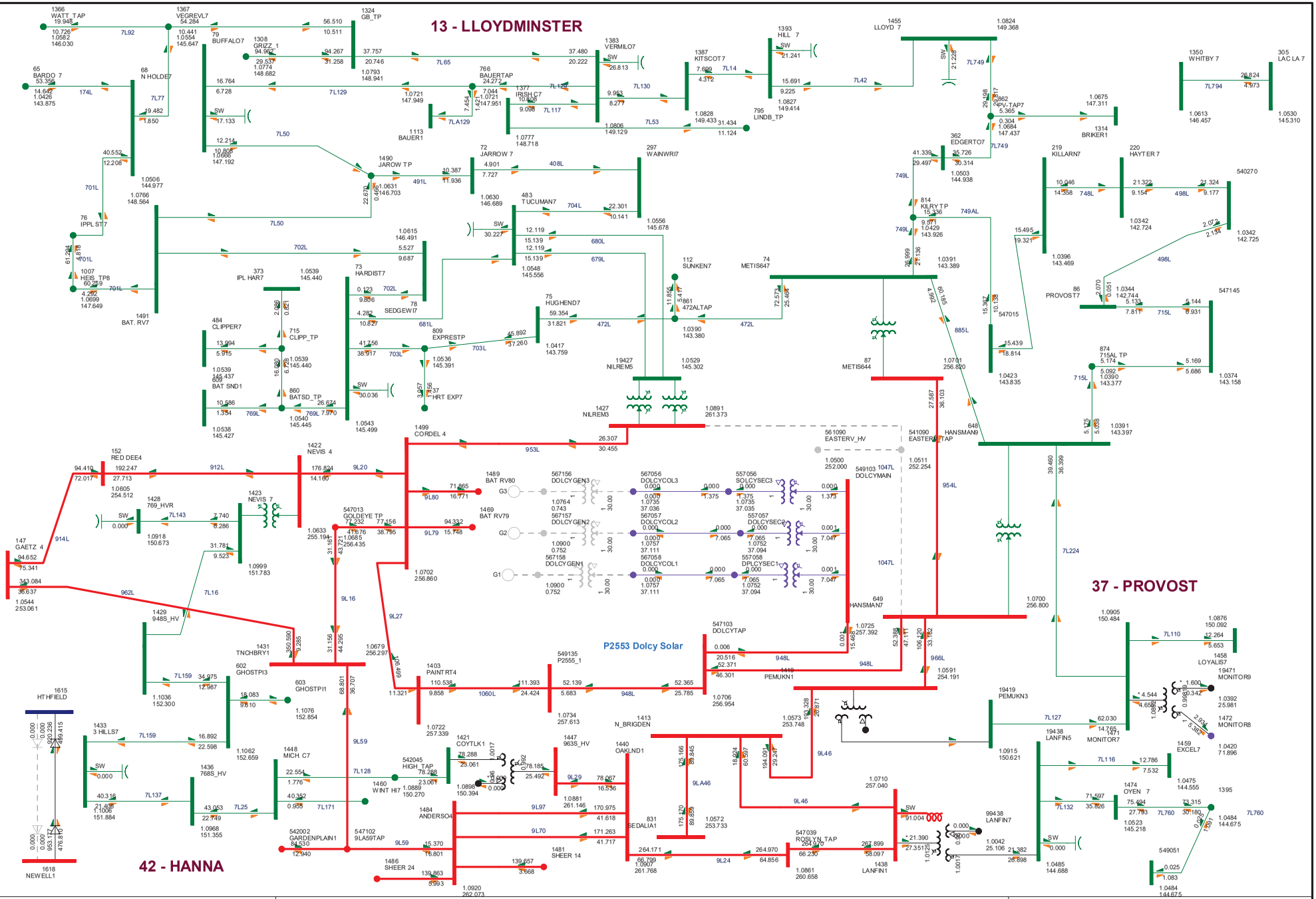


P2553 Dolcy Solar Battery MPC

FIGURE A7.1-4 N-1: 912L (NEVIS 766S TO RED DEER 63S)
2028 SUMMER LIGHT HG (POST-CONNECTION) WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

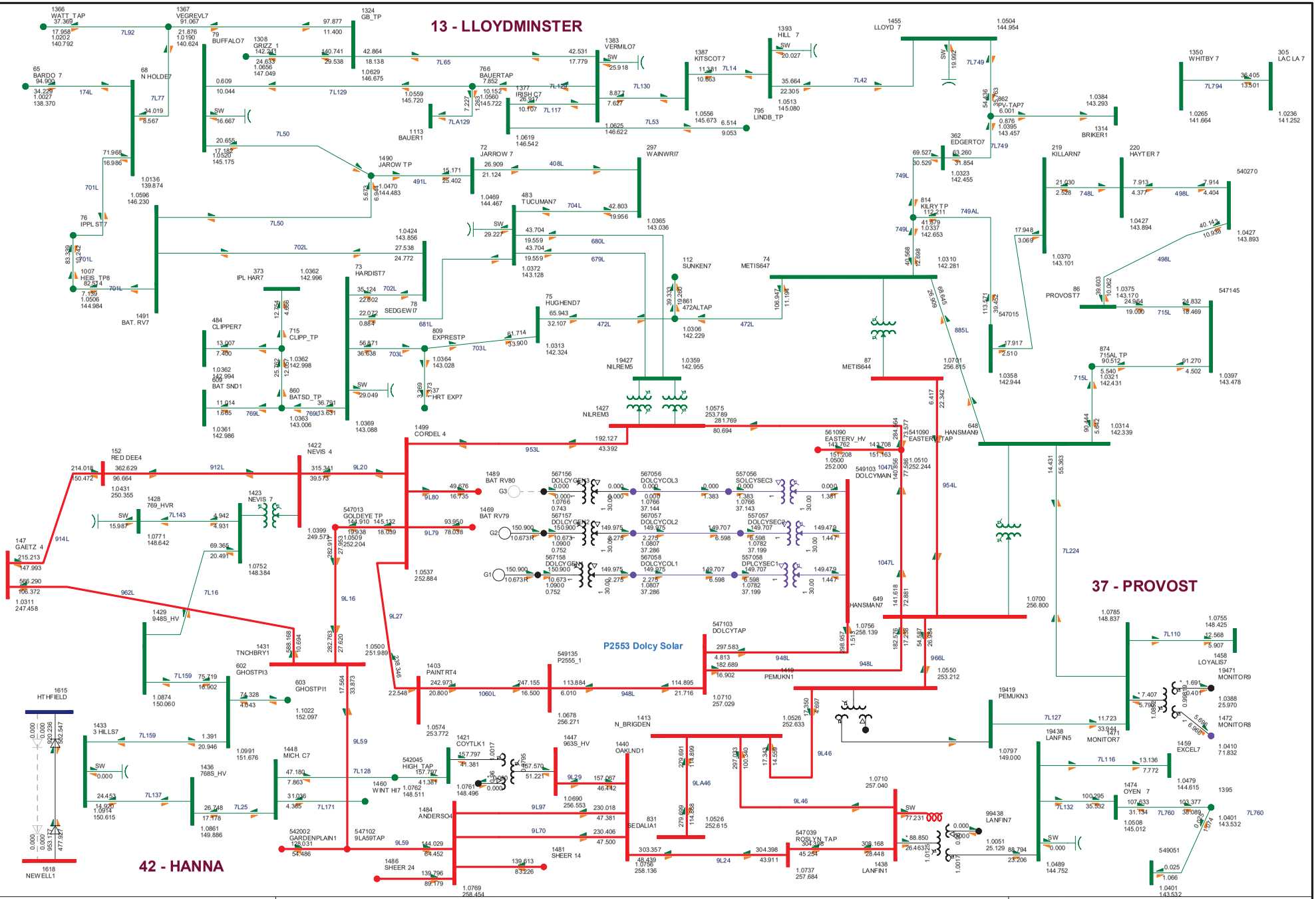


P2553 Dolcy Solar Battery MPC

FIGURE A7.1-5 N-1: 1047L (HANSMAN LAKE 650S TO NILREM 574S)
2028 SUMMER LIGHT HG (POST-CONNECTION) WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
1366 WATT_TAP 37.365
1367 VEGREVL7 91.067
1324 GB_TP
1308 GRIZZ_1 142.241
1383 VERMILO7
1387 KITSCOT7
1393 HILL_7
1455 LLOYD 7
1350 WHITBY 7
305 LAC LA 7
65 BARDO_7 94.900
68 N HOLDE7
766 BAUERTAP 7.852
1377 IRISH_C7 26.347
795 LINDB_TP
1113 BAUER1
1314 BRIKER1
362 EDGERTO7
PV-TAP7 6.001
219 KILLARN7
220 HAYTER 7
540270
1490 JAROW TP
72 JARROW 7
297 WAINWRI7
483 TUCUMAN7
814 KILRY TP 112.211
76 IPPL ST7
1007 HEIS_TP8 62.314
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
809 EXPRESTP
HRT EXP7
484 CLIPPER7
715 CLIPP_TP
606 BAT SND1
860 BATSD_TP 36.791
112 SUNKEN7
74 METIS647
472ALTAP
87 METIS644
86 PROVOST7
547145
547015
874 715AL TP 90.512
1499 CORDEL 4
1427 NILREM3
19427 NILREM5
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541090 EASTERV_TAP
549103 1047L DOLCYMAIN
648 HANSMAN8
649 HANSMAN7
152 RED DEE4 362.629
1422 NEVIS 4
1423 NEVIS 7
1428 769_HVR
547013 GOLDEYE TP 149.910
147 GAETZ 4 215.213
566.290 166.372
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1431 TNCHBRY1
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603 GHOSTPI1
1403 PAINTRT4 242.973
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19419 PEMUKN3
1458 LOYALIS7
19471 MONITOR9
1472 MONITOR8
1471 MONITOR7
1459 EXCEL7
1615 HTHFIELD
1433 3 HILLS7
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1448 MICH. C7
1460 WINT HI7
542045 HIGH_TAP 157.797
1421 COYTLK1 157.797
1413 N_BRIGDEN
1440 OAKLND1
1447 963S_HV
1484 ANDERSO4
831 SEDALIA1
542002 GARDENPLAIN1 128.031
547102 9LA59TAP
1481 SHEER 14
1486 SHEER 24
1618 NEWELL1
19438 LANFIN5
99438 LANFIN7
1438 LANFIN1
547039 ROSLYN_TAP 304.398
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549051
1489 BAT RV80
1469 BAT RV79
567156 DOLCYGEN3
567157 DOLCYGEN2
567158 DOLCYGEN1
567056 DOLCYCOL3
567057 DOLCYCOL2
567058 DOLCYCOL1
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704L
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680L
681L
472L
885L
715L
748L
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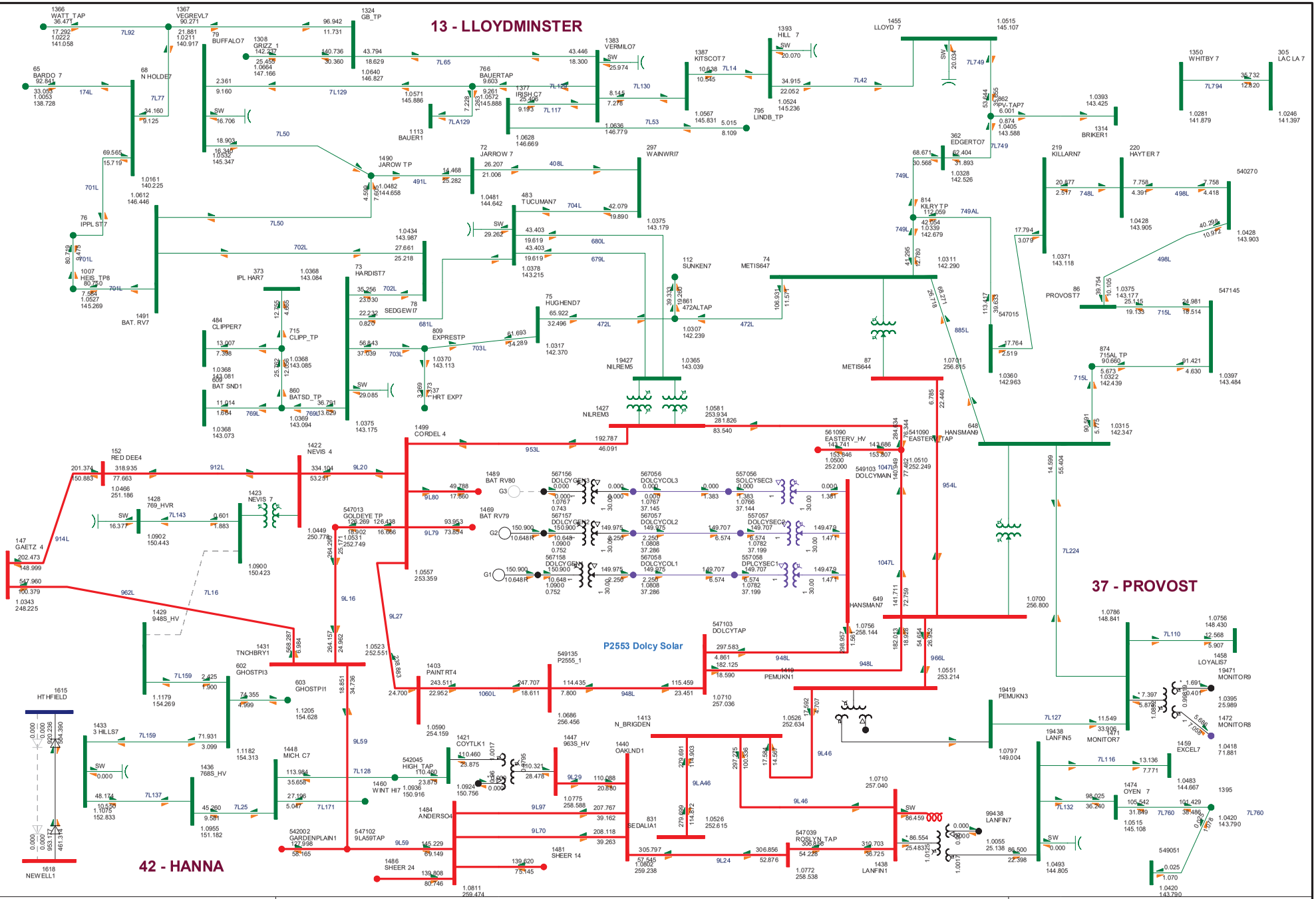
948L
966L
954L
9L80
9L79
9L20
9L16
9L27
9L59
9L97
9L70
9L24
9L29
9LA46
9L46
1060L
P2553 Dolcy Solar Battery MPC
FIGURE A7.2-1-N-0: NORMAL OPERATION
2028 SUMMER PEAK HG (POST-CONNECTION) WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025
Page 579 of 615
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

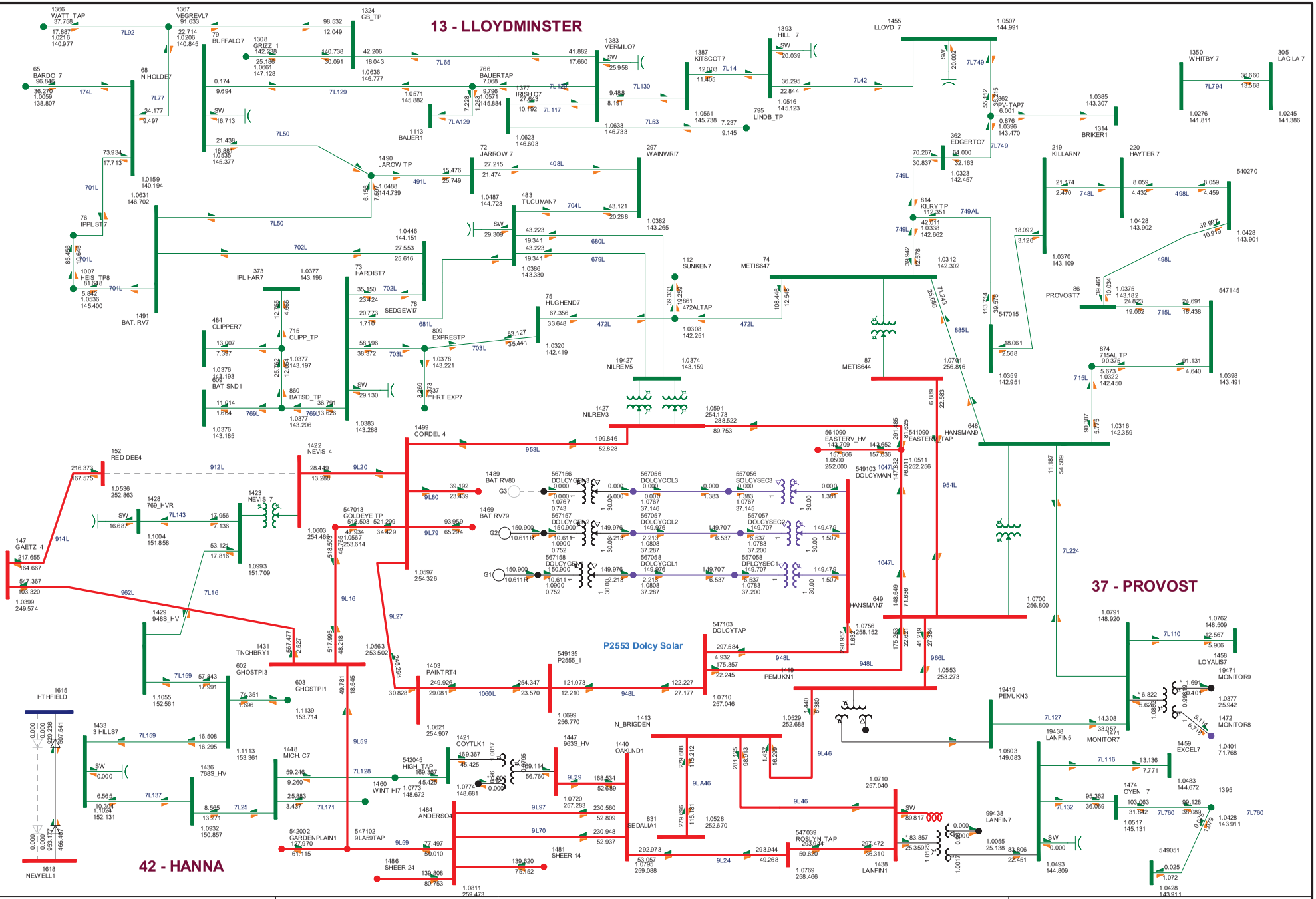


P2553 Dolcy Solar Battery MPC

FIGURE A7.2-2 N-1: 7L16 (NEVIS 766S TO HEATBURG 948S)
2028 SUMMER PEAK HG (POST-CONNECTION) WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

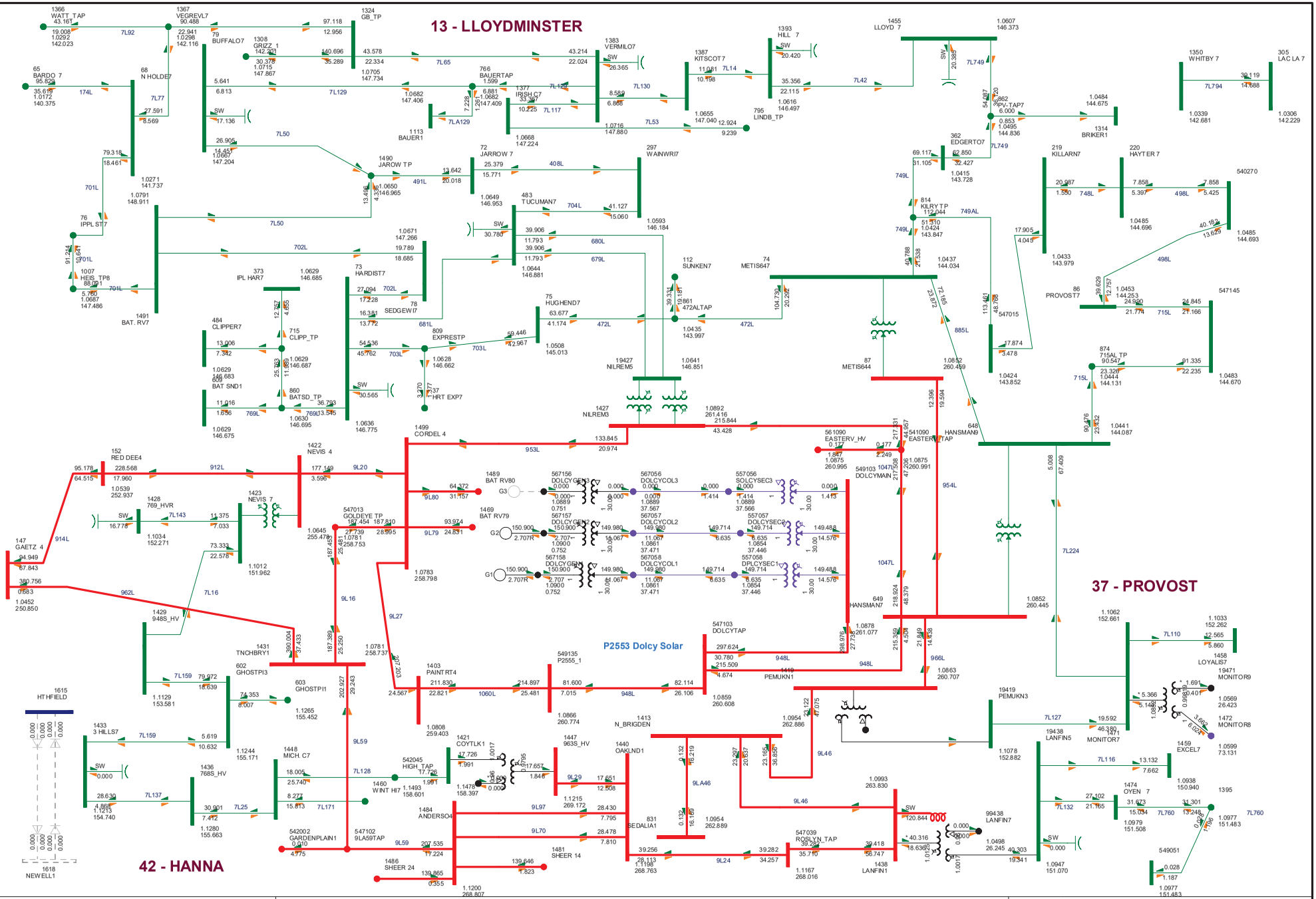


P2553 Dolcy Solar Battery MPC

FIGURE A7.2-3 N-1: 912L (NEVIS 766S TO RED DEER 63S)
2028 SUMMER PEAK HG (POST-CONNECTION) WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

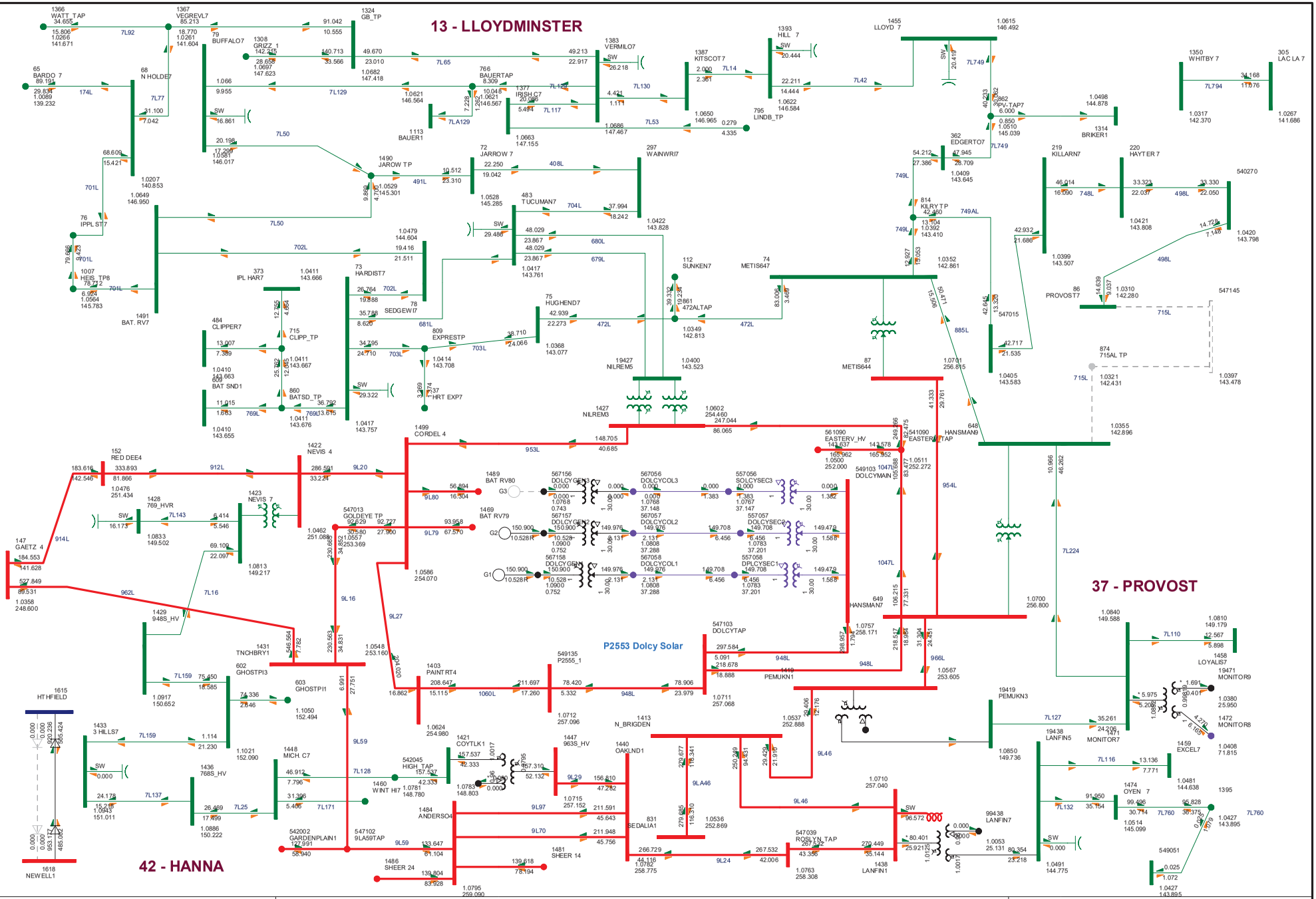


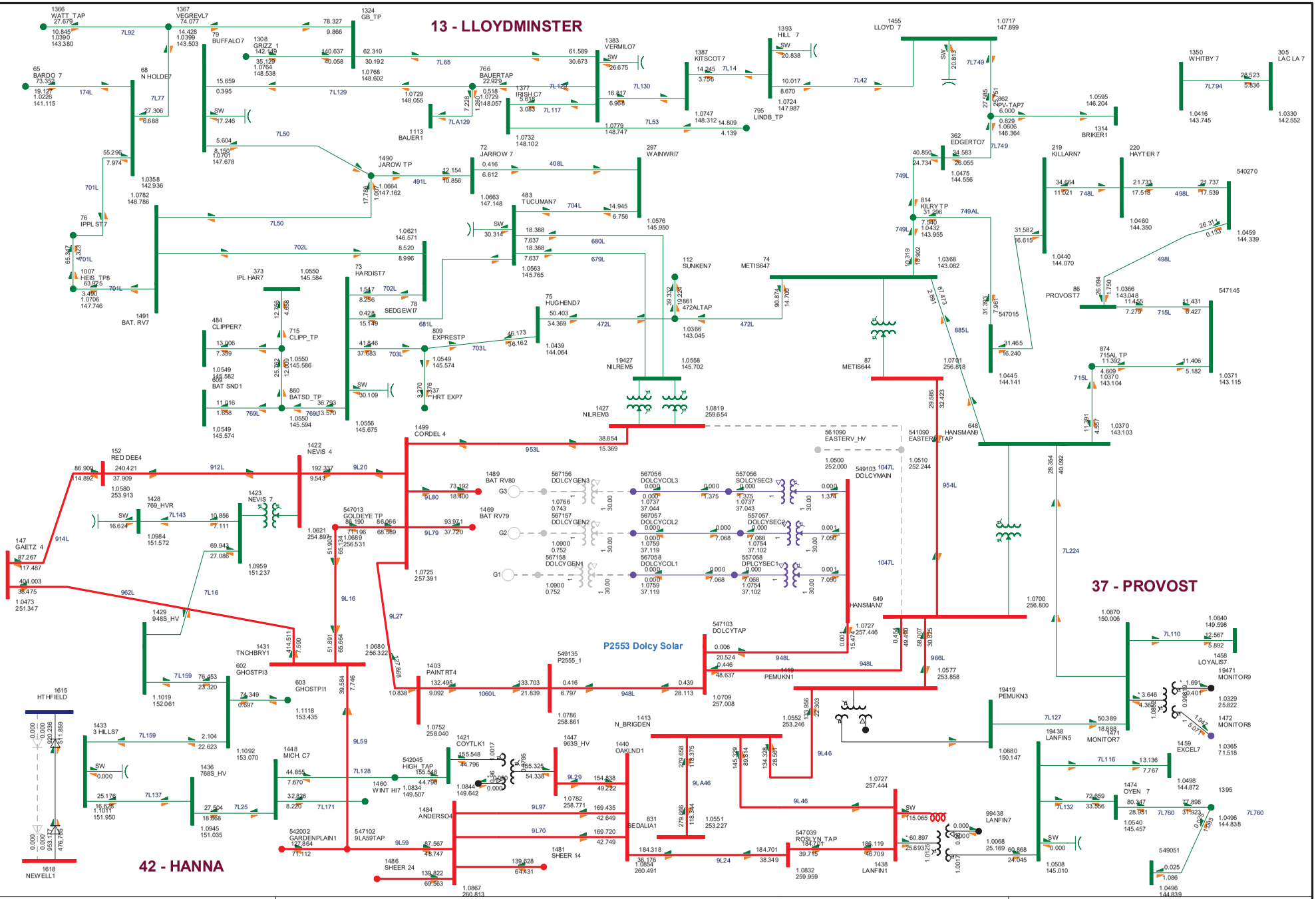
P2553 Dolcy Solar Battery MPC

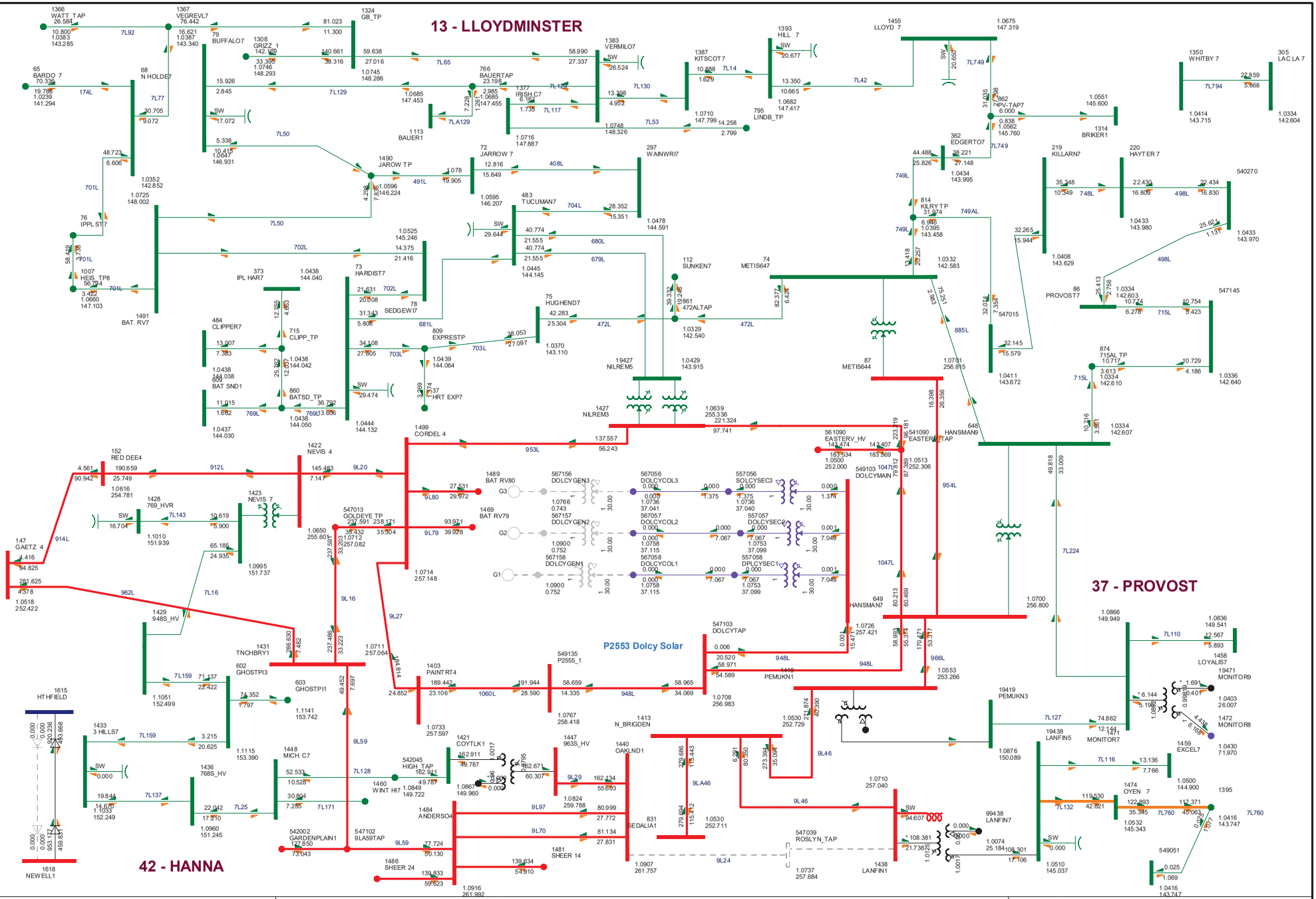
FIGURE A7.2-4 N-1: EATL
2028 SUMMER PEAK HG (POST-CONNECTION) WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
1366 WATT_TAP 34.695
1367 VEGREVL7 85.213
1324 GB_TP
1308 GRIZZ_1 142.415
1383 VERMILO7
1387 KITSCOT7
1393 HILL_7
1455 LLOYD 7
1350 WHITBY 7
305 LAC LA 7
65 BARDO_7 89.194
68 N HOLDE7
766 BAUERTAP 8.309
1377 IRISH_C7 20.086
795 LINDB_TP
1113 BAUER1
1314 BRIKER1
362 EDGERTO7
PV-TAP7 6.000
72 JARROW 7 22.250
1490 JAROW TP
297 WAINWRI7
483 TUCUMAN7
76 IPPL ST7
1007 HEIS_TP8 78.272
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
484 CLIPPER7
715 CLIPP_TP
609 BAT SND1
860 BATSD_TP 36.792
809 EXPRESTP
75 HUGHEND7
112 SUNKEN7
74 METIS647
814 KILRY TP 42.460
219 KILLARN7
220 HAYTER 7
540270
86 PROVOST7
547145
547015
874 715AL TP
19427 NILREM5
87 METIS644
1427 NILREM3
1499 CORDEL 4
1422 NEVIS 4
152 RED DEE4
1423 NEVIS 7
1428 769_HVR
147 GAETZ 4
527 849
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1615 HTHFIELD
1618 NEWELL1
1433 3 HILLS7
1436 768S_HV
1448 MICH. C7
1460 WINT HI7
542045 HIGH_TAP
542002 GARDENPLAIN1
547102 9LA59TAP
1484 ANDERSO4
1481 SHEER 14
1486 SHEER 24
1403 PAINTRT4
1421 COYTLK1
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
831 SEDALIA1
1438 LANFIN1
547039 ROSLYN_TAP
99438 LANFIN7
19438 LANFIN5
19419 PEMUKN3
1449 PEMUKN1
547103 DOLCYTAP
549135 P2555_1
649 HANSMAN7
648 HANSMAN8
561090 EASTERV_HV
541090 EASTERV_TAP
549103 DOLCYMAIN
1471 MONITOR7
1472 MONITOR8
1458 LOYALIS7
1459 EXCEL7
1474 OYEN 7
549051
1489 BAT RV80
1469 BAT RV79
567156 DOLCYGEN3
567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 DOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
547013 GOLDEYE TP
472ALTAP
547015
547145
715L
885L
1047L
954L
953L
962L
914L
912L
1060L
948L
966L
680L
679L
704L
703L
702L
701L
681L
472L
498L
749L
748L
7L224
7L16
9L16
9L27
9L59
9L46
9L97
9L70
9L24
9LA46
P2553 Dolcy Solar Battery MPC
FIGURE A7.2-5 N-1: 715L (HANSMAN LAKE 650S TO PROVOST 545S)
2028 SUMMER PEAK HG (POST-CONNECTION) WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025
Page 583 of 615
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
1366 WATT_TAP 27.675
1367 VEGREVL7 74.077
1324 GB_TP
1308 GRIZZ_1
1383 VERMILO7
1387 KITSCOT7
1393 HILL_7
1455 LLOYD 7
1350 WHITBY 7
305 LAC LA 7
65 BARDO_7 73.352
68 N HOLDE7
766 BAUERTAP 22.929
1377 IRISH_C7
795 LINDB_TP
362 EDGERTO7
1314 BRIKER1
1490 JAROW TP
72 JARROW 7
297 WAINWRI7
483 TUCUMAN7
112 SUNKEN7
74 METIS647
219 KILLARN7
220 HAYTER 7
540270
814 KILRY TP
76 IPPL ST7
1007 HEIS_TP8
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
484 CLIPPER7
715 CLIPP_TP
609 BAT SND1
860 BATSD_TP
809 EXPRESTP
HRT EXP7
75 HUGHEND7
472ALTAP
547015
86 PROVOST7
547145
874 715AL TP
152 RED DEE4
1422 NEVIS 4
1499 CORDEL 4
19427 NILREM5
1427 NILREM3
87 METIS644
541090 EASTERN_TAP
56090 EASTERV_HV
648 HANSMAN8
147 GAETZ 4
1423 NEVIS 7
1428 769_HVR
547013 GOLDEYE TP
1489 BAT RV80
1469 BAT RV79
567156 DOLCYGEN3
567157 DOLCYGEN2
567158 DOLCYGEN1
567056 DOLCYCOL3
567057 DOLCYCOL2
567058 DOLCYCOL1
557056 SOLCYSEC3
557057 DOLCYSEC2
557058 DPLCYSEC1
549103 DOLCYMAIN
649 HANSMAN7
547103 DOLCYTAP
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1403 PAINTRT4
549135 P2555_1
1449 PEMUKN1
19419 PEMUKN3
1458 LOYALI57
19471 MONITOR9
1472 MONITOR8
1459 EXCEL7
1474 OYEN 7
1395
1496 144.838
549051
1615 HTHFIELD
1618 NEWELL1
1433 3 HILLS7
1436 768S_HV
1448 MICH. C7
542045 HIGH_TAP
1460 WINT HI7
542002 GARDENPLAIN1
547102 9LA59TAP
1421 COYTLK1
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
831 SEDALIA1
1484 ANDERSO4
1486 SHEER 24
1481 SHEER 14
547039 ROSLYN_TAP
99438 LANFIN7
1438 LANFIN1
19438 LANFIN5
1471 MONITOR7
1474 OYEN 7
1496 144.839
P2553 Dolcy Solar Battery MPC
FIGURE A7.2-6 N-1: 1047L (HANSMAN LAKE 650S TO NILREM 574S)
2028 SUMMER PEAK HG (POST-CONNECTION) WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
1366 WATT_TAP 26.584
1367 VEGREVL7 76.442
1324 GB_TP
1308 GRIZZ_1 142.429
1383 VERMILO7
1387 KITSCOT7 10.888
1393 HILL_7
1455 LLOYD_7
1.0675 147.319
1350 WHITBY 7
305 LAC LA 7
65 BARDO_7 70.336
68 N HOLDE7
766 BAUERTAP 23.198
1377 IRISH_C7 6.134
795 LINDB_TP
362 EDGERTO7
1314 BRIKER1
1.0551 145.600
1.0414 143.715
1.0334 142.604
1490 JAROW TP
72 JARROW 7 12.816 15.649
297 WAINWRI7
483 TUCUMAN7 28.352 15.351
1.0478 144.591
1.0595 146.207
1.0596 146.224
1.0352 142.852
1.0725 148.002
1491 BAT. RV7
76 IPPL ST7
1007 HEIS_TP8 56.224
1.0660 147.103
1.0525 145.246 14.375 21.416
1.0438 144.040
373 IPL HAR7
73 HARDIST7 21.631 20.708
78 SEDGEWI7 31.343 5.808
484 CLIPPER7 13.007 7.383
715 CLIPP_TP
1.0438 144.042
1.0438 144.038
609 BAT SND1
860 BATSD_TP 36.792
1.0438 144.050
1.0437 144.030
1.0444 144.132
809 EXPRESTP 38.053 27.097
1.0439 144.064
703L
681L
702L
704L
680L
679L
75 HUGHEND7 42.283 25.304
1.0370 143.110
1.0445 144.145
112 SUNKEN7
74 METIS647
472ALTAP
1.0329 142.540
472L
1.0332 142.583
87 METIS644
1.0701 256.815
1.0411 143.672
547015
547145
86 PROVOST7
1.0334 142.603 10.774 6.278
715L 10.754 9.423
874 715AL_TP 10.717
3.613 1.0334 142.610
1.0336 142.640
1.0334 142.607
219 KILLARN7 35.248 10.549
220 HAYTER 7 22.430 16.809
540270 22.434 16.830
1.0433 143.980
1.0433 143.970
1.0408 143.629
498L
748L
749L
749AL
814 KILRY TP 31.374
6.946 1.0395 143.458
1.0434 143.995
44.488 25.826
38.221 27.148
7L749
7L42
1.0675 147.319
1.0682 147.417
1.0710 147.799 14.258 2.799
1.0716 147.887
1.0748 148.326
7L53
7L130
7L14
7L117
7L129
7L50
7L77
7L65
7L92
174L
701L
702L
7L16
7L143
7L159
7L137
7L25
7L171
7L128
7L127
7L116
7L132
7L760
7L224
912L
914L
962L
953L
954L
1047L
948L
966L
1060L
9L80
9L79
9L16
9L27
9L59
9L97
9L70
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9LA46
9L29
9L20
1422 NEVIS 4 145.483 7.147
1499 CORDEL 4 137.557 56.243
1427 NILREM3
1428 769_HVR
1423 NEVIS 7
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1403 PAINTRT4 189.442 23.106
1421 COYTLK1 162.911 49.787
1433 3 HILLS7
1436 768S_HV
1448 MICH. C7
1460 WINT HI7 1.0849 149.722
542045 HIGH_TAP 162.911 49.787
1484 ANDERSO4
542002 GARDENPLAIN1 127.850 73.043
547102 9LA59TAP 77.724 50.130
1486 SHEER 24 139.833 59.623
1481 SHEER 14 139.634 54.910
1.0916 261.992
1615 HTHFIELD
1618 NEWELL1
1489 BAT RV80
1469 BAT RV79
567156 DOLCYGEN3
567157 DOLCYGEN2
567158 DOLCYGEN1
567056 DOLCYCOL3
567057 DOLCYCOL2
567058 DOLCYCOL1
557056 SOLCYSEC3
557057 SOLCYSEC2
557058 DPLCYSEC1
547013 GOLDEYE TP 237.591 238.171
1.0712 257.082
1.0714 257.148
1.0711 257.064
1.0733 257.597
1.0767 258.418
549135 P2555_1
547103 DOLCYTAP
1.0708 256.983
1.0726 257.421
1.0553 253.266
1.0530 252.729
1.0876 150.089
1.0877 150.089
1.0907 261.757
1.0737 257.684
1.0510 145.037
1.0416 143.747
1.0500 144.900
1.0532 145.343
1.0500 252.000
1.0513 252.306
1.0700 256.800
1.0866 149.949
1.0836 149.541
1.0403 26.007
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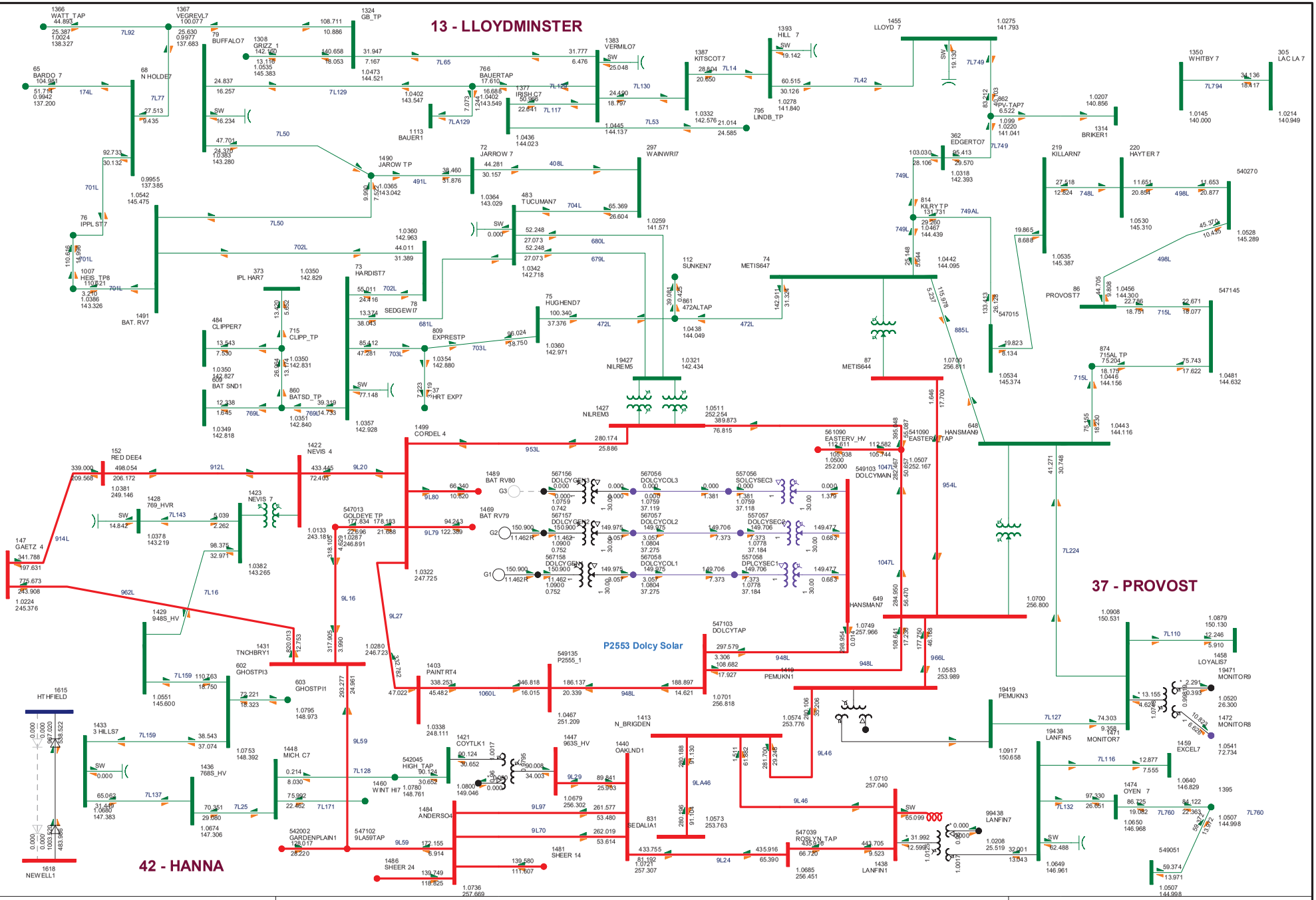
1.0000

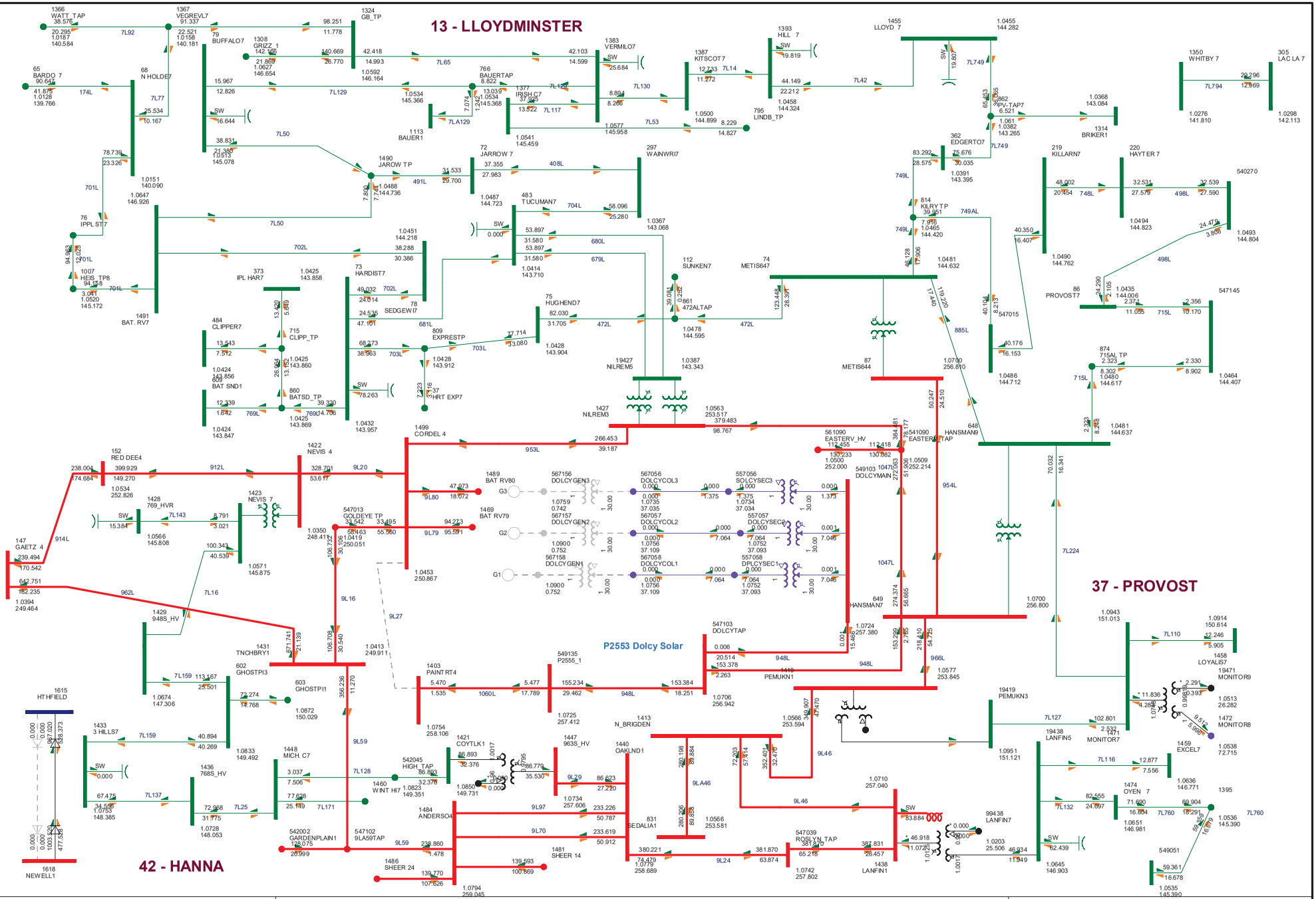


P2553 Dolcy Solar Battery MPC

FIGURE A7.3-1-N-0: NORMAL OPERATION
2028 WINTER PEAK HG (POST-CONNECTION) WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

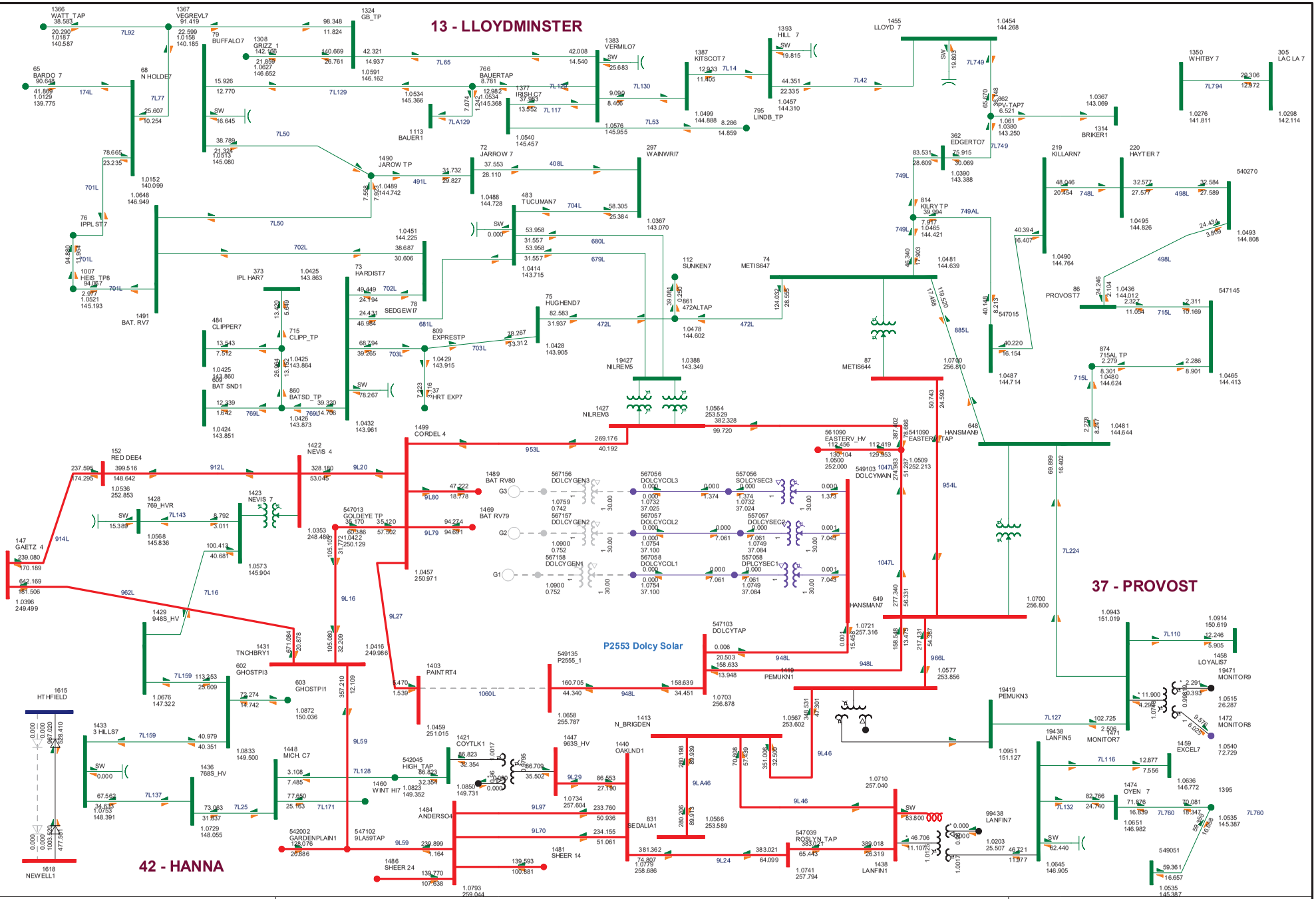


P2553 Dolcy Solar Battery MPC

FIGURE A7.3-2 N-1: 9L27 (PAINTEARTH CREEK 863S TO CORDEL 755S)
2028 WINTER PEAK HG (POST-CONNECTION) WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

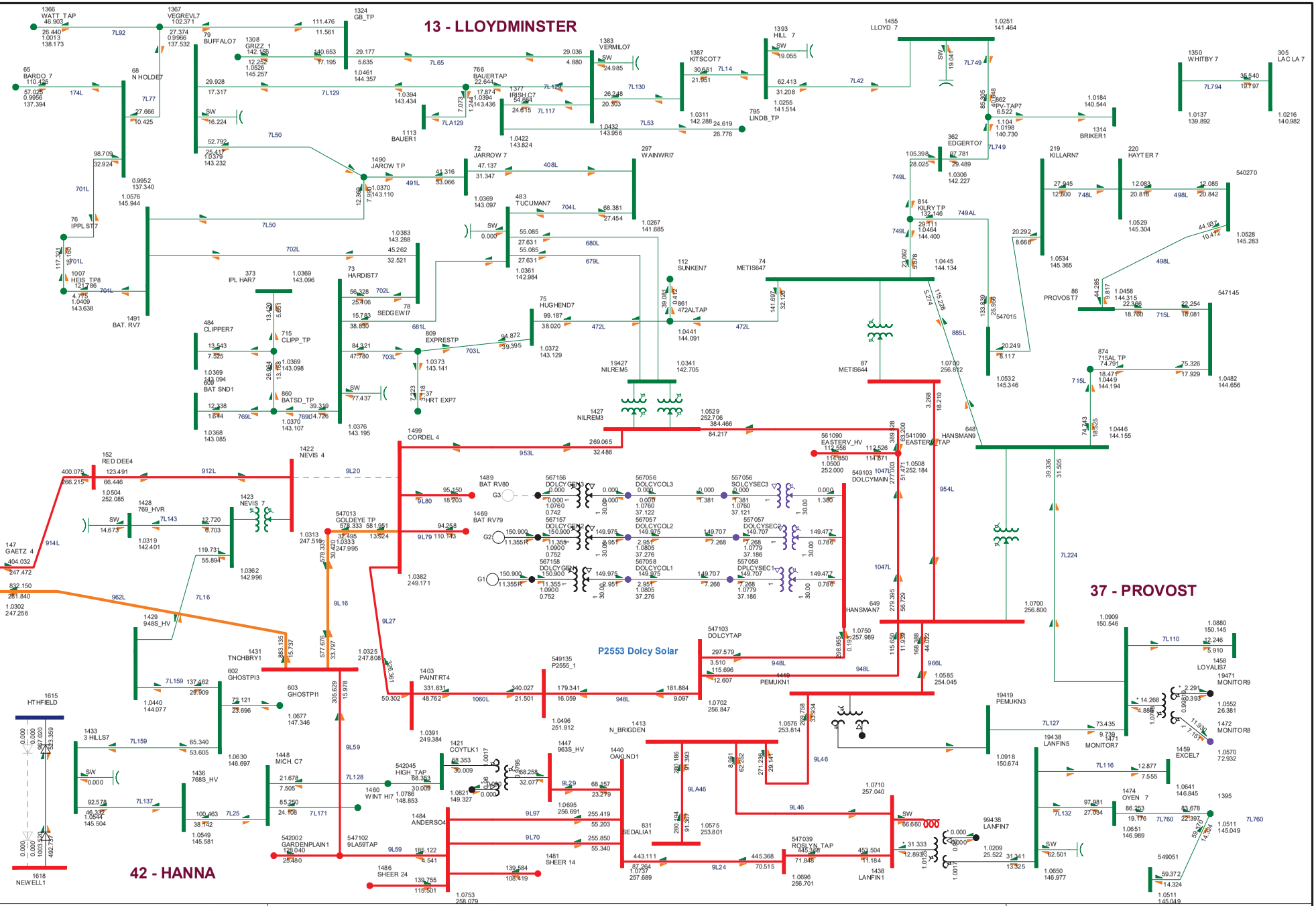


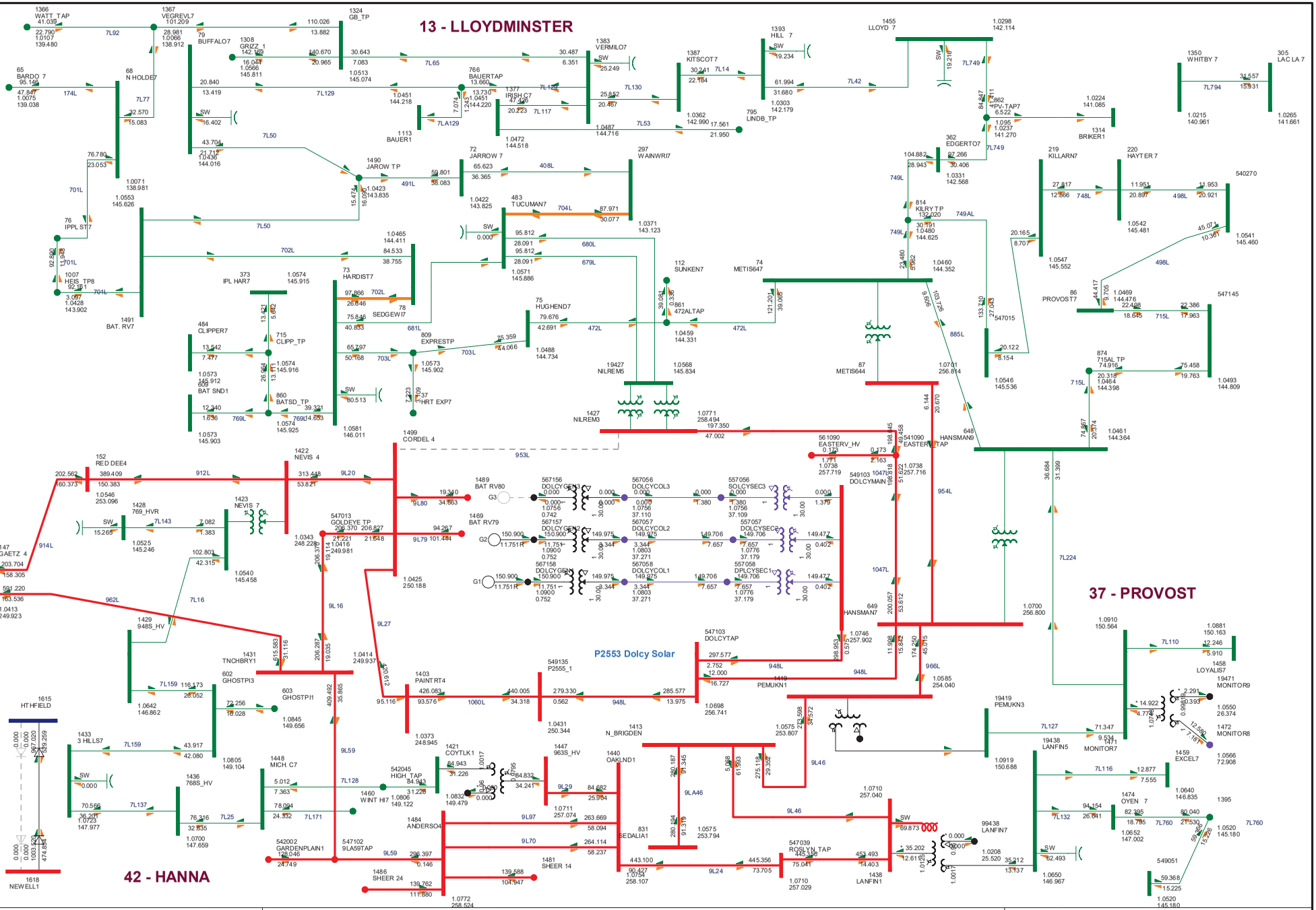
P2553 Dolcy Solar Battery MPC

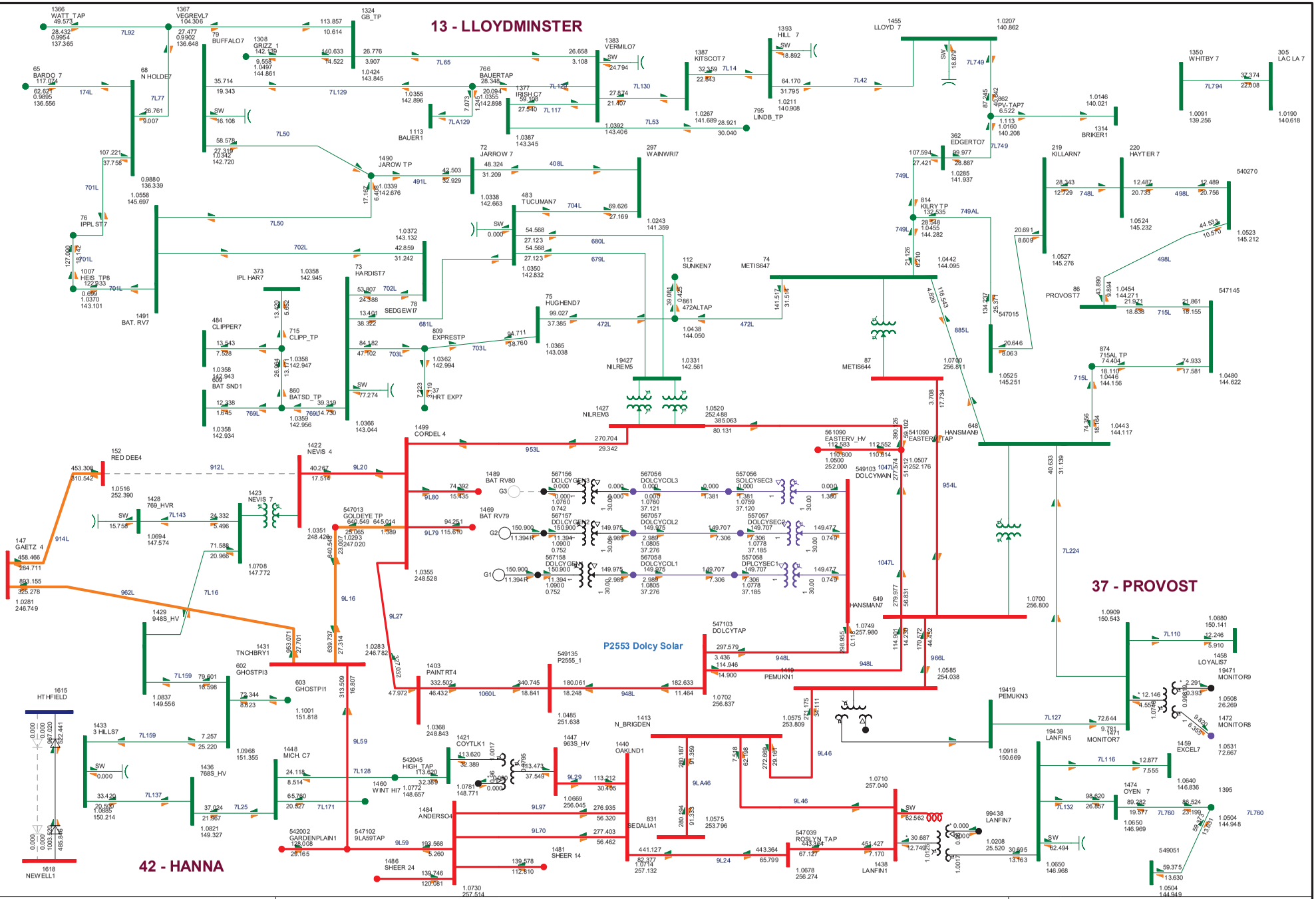
FIGURE A7.3-3 N-1: 1060L (PAINTEARTH 863S TO P2555 SWITCHING SUB)
2028 WINTER PEAK HG (POST-CONNECTION) WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
1366 WATT_TAP 46.903
1367 VEGREVL7 102.371
1324 GB_TP
1308 GRIZZ_1 142.156
1383 VERMILO7
1387 KITSCOT7
1393 HILL_7
1455 LLOYD 7
1350 WHITBY 7
305 LAC LA 7
65 BARDO_7 110.425
68 N HOLDE7
766 BAUERTAP 22.644
1377 IRISH_C7 54.664
795 LINDB_TP
1113 BAUER1
1490 JAROW TP
72 JARROW 7
297 WAINWRI7
362 EDGERTO7
1314 BRIKER1
219 KILLARN7
220 HAYTER 7
540270
814 KILRY TP 132.146
483 TUCUMAN7
112 SUNKEN7
74 METIS647
87 METIS644
86 PROVOST7
547145
547015
874 715AL TP 74.791
76 IPPL ST7
1007 HEIS_TP8 121.786
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
75 HUGHEND7
484 CLIPPER7
715 CLIPP_TP
809 EXPRESTP
860 BATSD_TP
HRT EXP7
1427 NILREM3
19427 NILREM5
1499 CORDEL 4
1422 NEVIS 4
152 RED DEE4
1428 769_HVR
1423 NEVIS 7
547013 GOLDEYE TP
147 GAETZ 4
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1615 HTHFIELD
1618 NEWELL1
1433 3 HILLS7
1436 768S_HV
1448 MICH. C7
1460 WINT HI7
542045 HIGH_TAP
542002 GARDENPLAIN1
547102 9LA59TAP
1484 ANDERSO4
1486 SHEER 24
1481 SHEER 14
1403 PAINTRT4
1421 COYTLK1
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
831 SEDALIA1
1438 LANFIN1
99438 LANFIN7
19438 LANFIN5
1471 MONITOR7
19471 MONITOR9
1472 MONITOR8
1458 LOYALIS7
1459 EXCEL7
1474 OYEN 7
1395
549051
1469 BAT RV79
1489 BAT RV80
567156 DOLCYGEN3
567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 DOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
561090 EASTERV_HV
541090 EASTERV_TAP
549103 DOLCYMAIN
547103 DOLCYTAP
549135 P2555_1
1419 PEMUKN1
19419 PEMUKN3
649 HANSMAN7
648 HANSMAN8
547039 ROSLYN_TAP
P2553 Dolcy Solar Battery MPC
FIGURE A7.3-4 N-1: 9L20 (NEVIS 766S TO CORDEL 755S)
2028 WINTER PEAK HG (POST-CONNECTION) WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025
Page 589 of 615
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
1366 WATT_TAP 41.035
1367 VEGREVL7 101.209
1324 GB_TP
65 BARDO_7 95.145
68 N HOLDE7
1308 GRIZZ_1 142.129
766 BAUERTAP 13.660
1383 VERMILO7
1387 KITSCOT7
1393 HILL_7
1455 LLOYD_7
1350 WHITBY 7
305 LAC LA 7
1113 BAUER1
1377 IRISH_C7 47.426
795 LINDB_TP
1314 BRIKER1
362 EDGERTO7
219 KILLARN7
220 HAYTER 7
540270
1490 JAROW TP
72 JARROW 7
297 WAINWRI7
483 TUCUMAN7
814 KILRY TP 132.020
76 IPPL ST7
1007 HEIS_TP8
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
112 SUNKEN7
74 METIS647
86 PROVOST7
547145
547015
484 CLIPPER7
715 CLIPP_TP
609 BAT SND1
860 BATSD_TP
809 EXPRESTP
75 HUGHEND7
874 715AL TP 74.916
1499 CORDEL 4
19427 NILREM5
87 METIS644
1427 NILREM3
561090 EASTERV_HV
541090 EASTERV_TAP
648 HANSMAN8
152 RED DEE4
1422 NEVIS 4
1423 NEVIS 7
1428 769_HVR
547013 GOLDEYE TP
1489 BAT RV80
1469 BAT RV79
567156 DOLCYGEN3
567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 SOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 SOLCYSEC1
549103 DOLCYMAIN
147 GAETZ 4
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1403 PAINTRT4
549135 P2555_1
547103 DOLCYTAP
649 HANSMAN7
1419 PEMUKN1
1615 HTHFIELD
1433 3 HILLS7
1436 768S_HV
1448 MICH_C7
542045 HIGH_TAP
1460 WINT HI7
1421 COYTLK1
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
831 SEDALIA1
1484 ANDERSO4
542002 GARDENPLAIN1
547102 9LA59TAP
1481 SHEER 14
1486 SHEER 24
1618 NEWELL1
547039 ROSLYN_TAP
1438 LANFIN1
99438 LANFIN7
19438 LANFIN5
19419 PEMUKN3
1458 LOYALIS7
19471 MONITOR9
1472 MONITOR8
1471 MONITOR7
1459 EXCEL7
1474 OYEN 7
1395
549051
P2553 Dolcy Solar Battery MPC
FIGURE A7.3-5 N-1: 953L (NILREN 574S TO CORDEL 755S)
2028 WINTER PEAK HG (POST-CONNECTION) WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025
Page 590 of 615
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

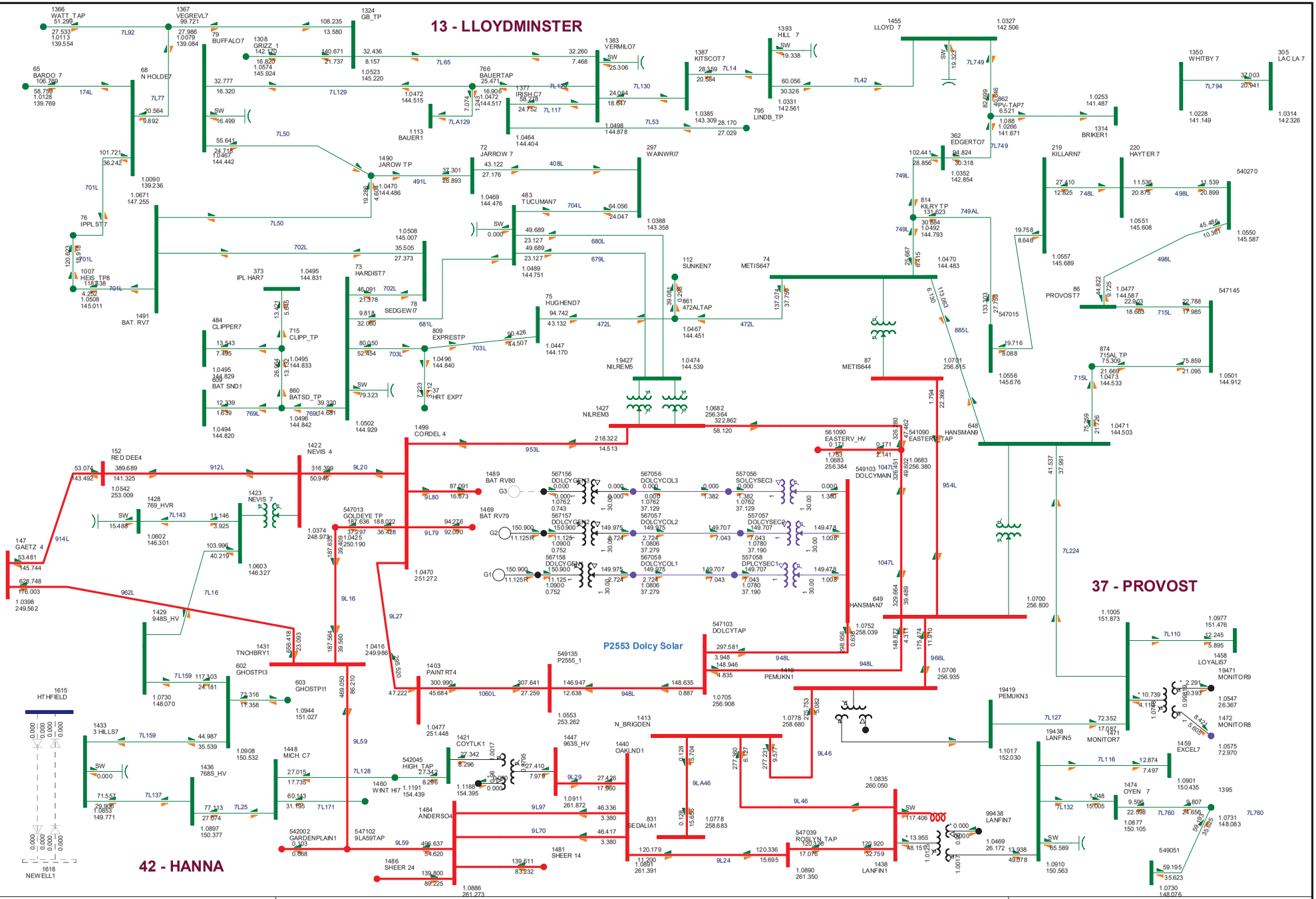


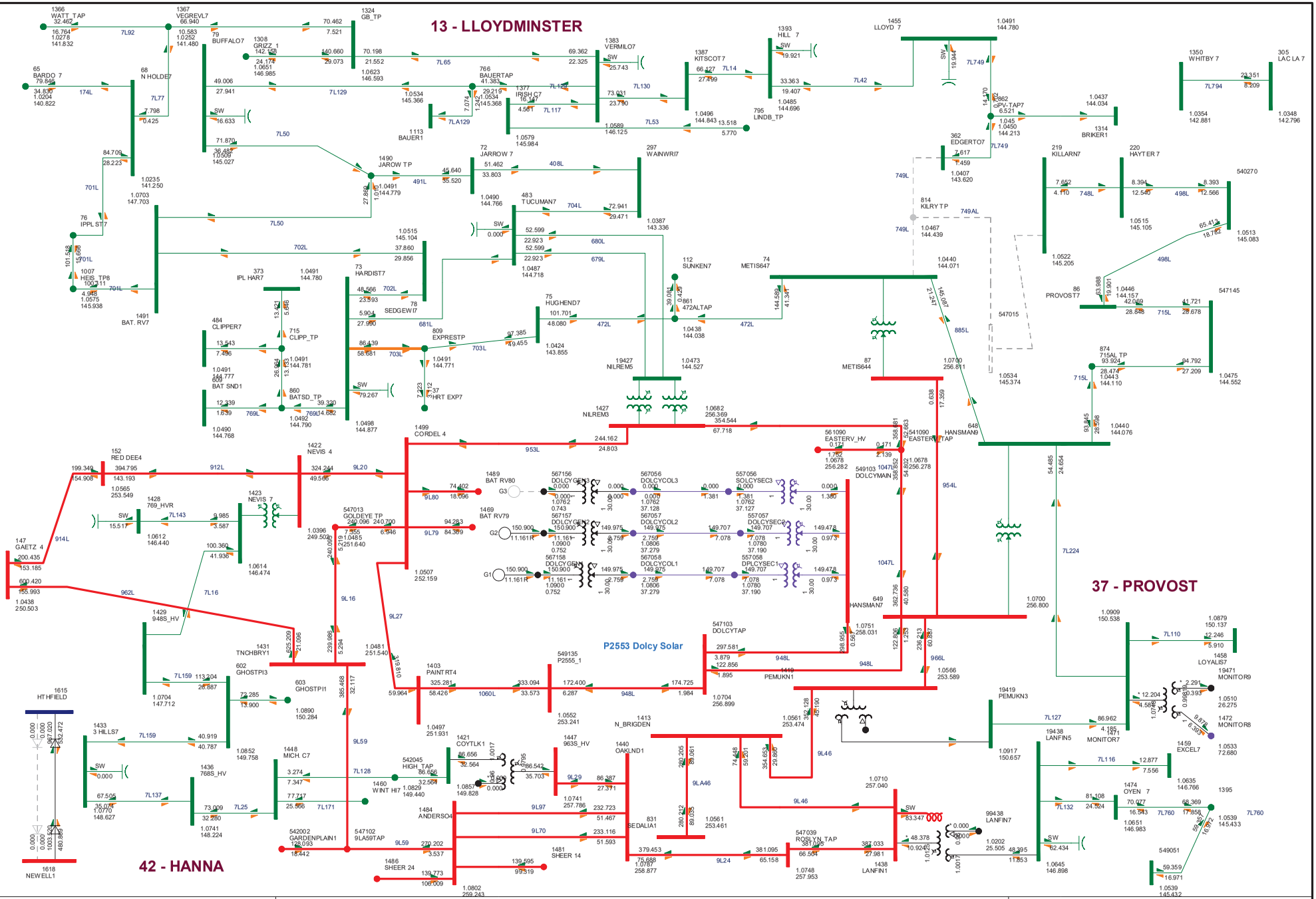
P2553 Dolcy Solar Battery MPC

FIGURE A7.3-6 N-1: 912L (NEVIS 766S TO RED DEER 63S)
2028 WINTER PEAK HG (POST-CONNECTION) WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

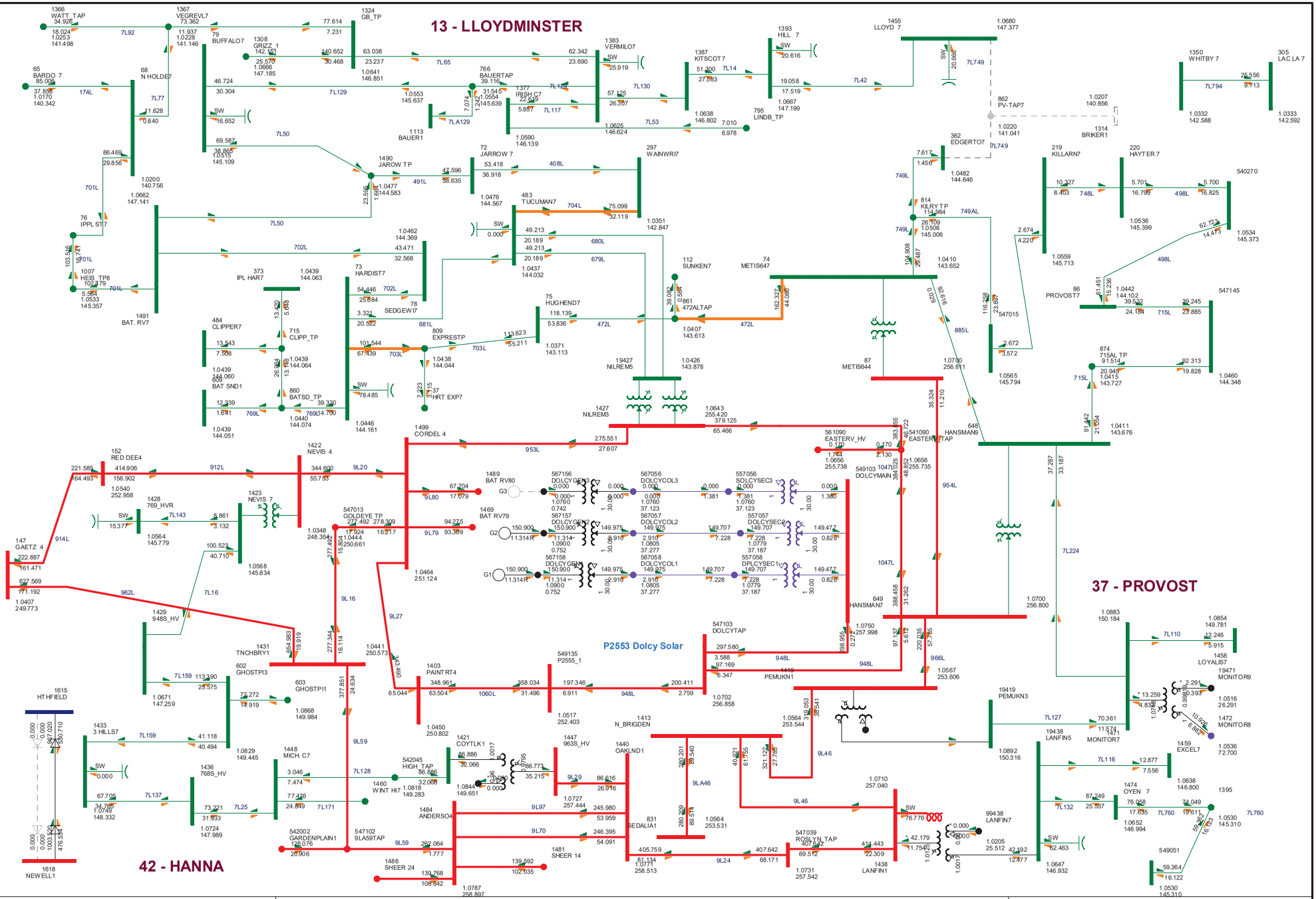
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000


13 - LLOYDMINSTER
37 - PROVOST
42 - HANNA
P2553 Dolcy Solar
1366 WATT_TAP
1367 VEGREVL7
1324 GB_TP
1308 GRIZZ_1
1383 VERMILO7
1387 KITSCOT7
1393 HILL_7
1455 LLOYD 7
1350 WHITBY 7
305 LAC LA 7
65 BARDO_7
68 N HOLDE7
766 BAUERTAP
1377 IRISH_C7
795 LINDB_TP
362 EDGERTO7
PV-TAP7
1314 BRIKER1
1113 BAUER1
1490 JAROW TP
72 JARROW 7
297 WAINWRI7
483 TUCUMAN7
112 SUNKEN7
74 METIS647
87 METIS644
76 IPPL ST7
1491 BAT. RV7
373 IPL HAR7
73 HARDIST7
78 SEDGEWI7
75 HUGHEND7
484 CLIPPER7
715 CLIPP_TP
809 EXPRESTP
HRT EXP7
860 BATSD_TP
BAT SND1
19427 NILREM5
1427 NILREM3
1499 CORDEL 4
1422 NEVIS 4
152 RED DEE4
1423 NEVIS 7
1428 769_HVR
147 GAETZ 4
547013 GOLDEYE TP
1429 948S_HV
1431 TNCHBRY1
602 GHOSTPI3
603 GHOSTPI1
1403 PAINTRT4
1489 BAT RV80
1469 BAT RV79
567156 DOLCYGEN3
567056 DOLCYCOL3
557056 SOLCYSEC3
567157 DOLCYGEN2
567057 DOLCYCOL2
557057 SOLCYSEC2
567158 DOLCYGEN1
567058 DOLCYCOL1
557058 DPLCYSEC1
561090 EASTERV_HV
541090 EASTERV_TAP
549103 DOLCYMAIN
HANSMAN8
649 HANSMAN7
547103 DOLCYTAP
549135 P2555_1
1419 PEMUKN1
19419 PEMUKN3
1615 HTHFIELD
1433 3 HILLS7
1436 768S_HV
1448 MICH_C7
1460 WINT HI7
542045 HIGH_TAP
1421 COYTLK1
1447 963S_HV
1440 OAKLND1
1413 N_BRIGDEN
831 SEDALIA1
1484 ANDERSO4
542002 GARDENPLAIN1
547102 9LA59TAP
1481 SHEER 14
1486 SHEER 24
1618 NEWELL1
547039 ROSLYN_TAP
1438 LANFIN1
99438 LANFIN7
19438 LANFIN5
1471 MONITOR7
1472 MONITOR8
1458 LOYALIS7
1459 EXCEL7
1474 OYEN 7
1395
1731 148.083
1760
549051
547015
547145
540270
874 715AL_TP
86 PROVOST7
814 KILRY TP
749L
748L
498L
885L
953L
954L
1047L
966L
948L
1060L
912L
914L
962L
680L
679L
704L
702L
701L
681L
703L
472L
408L
491L
7L92
7L65
7L129
7L130
7L42
7L50
7L53
7L117
7L14
7L749
7L794
7L77
7L16
7L224
7L159
7L128
7L137
7L25
7L171
7L143
7L110
7L127
7L116
7L132
7L760
9L20
9L80
9L79
9L16
9L27
9L59
9L97
9L70
9L29
9L46
9L24
9LA46
P2553 Dolcy Solar Battery MPC
FIGURE A7.3-7 N-1: EATL
2028 WINTER PEAK HG (POST-CONNECTION) WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000



P2553 Dolcy Solar Battery MPC

FIGURE A7.3-8 N-1: 749L (METISKOW 648S TO EDGERTON 899S)
2028 WINTER PEAK HG (POST-CONNECTION) WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025

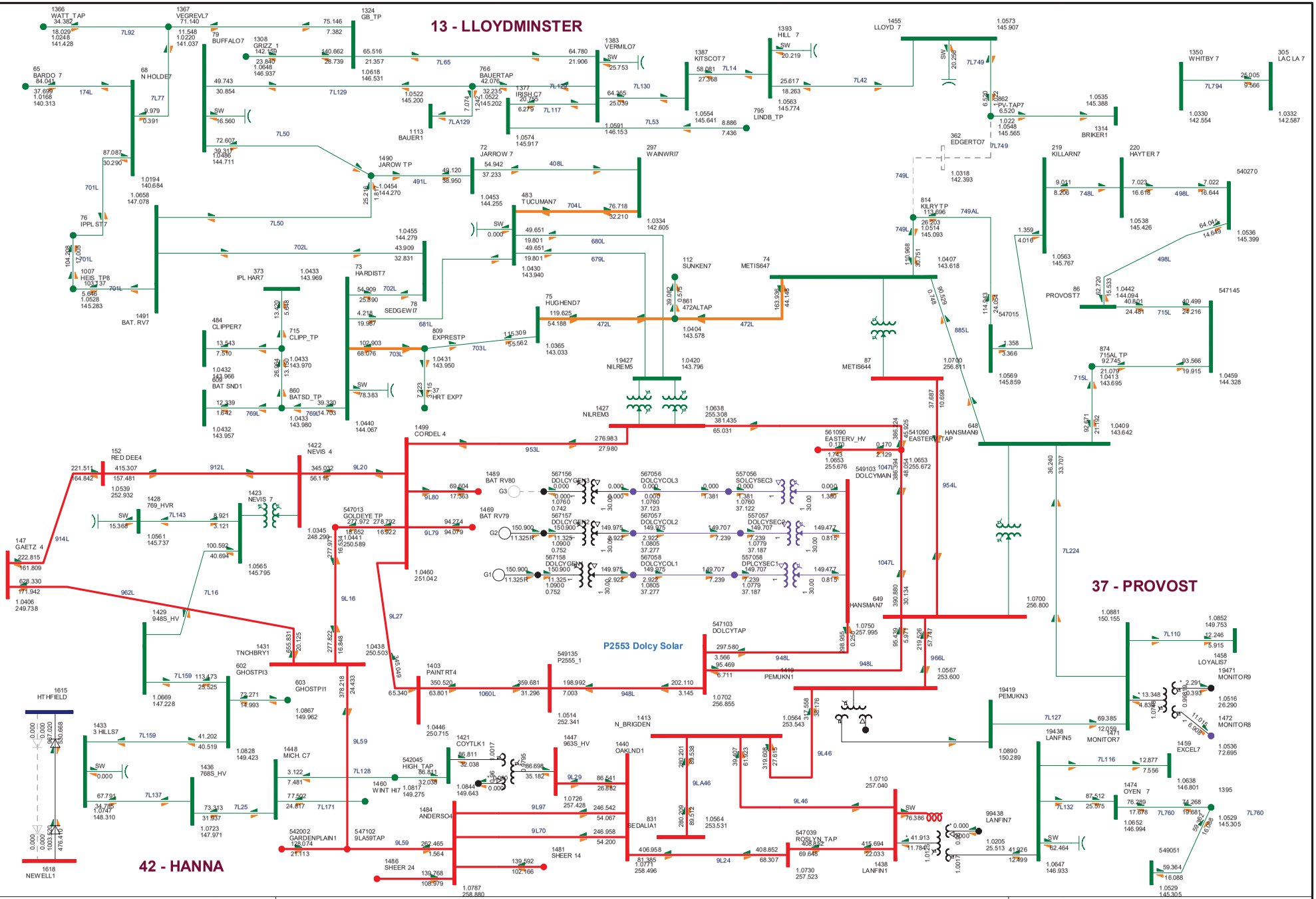


P2553 Dolcy Solar Battery MPC

FIGURE A7.3-9 N-1: 749L/7L749 (EDGERTON 899S TO LLOYDMINSTER 716S)
2028 WINTER PEAK HG (POST-CONNECTION) WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

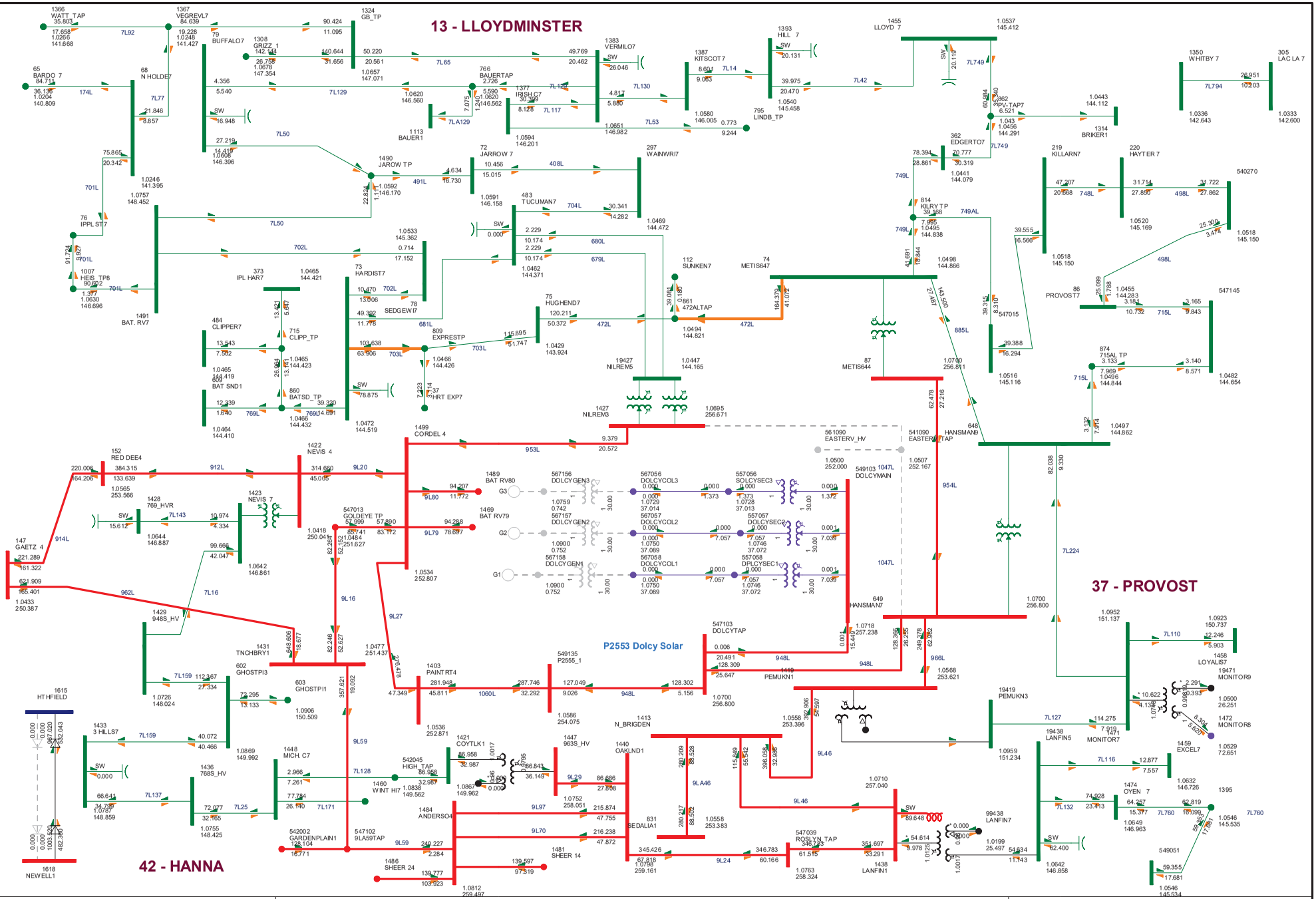


P2553 Dolcy Solar Battery MPC

FIGURE A7.3-10 N-1: EDGERTON 899S TRANSFORMER T1
2028 WINTER PEAK HG (POST-CONNECTION) WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

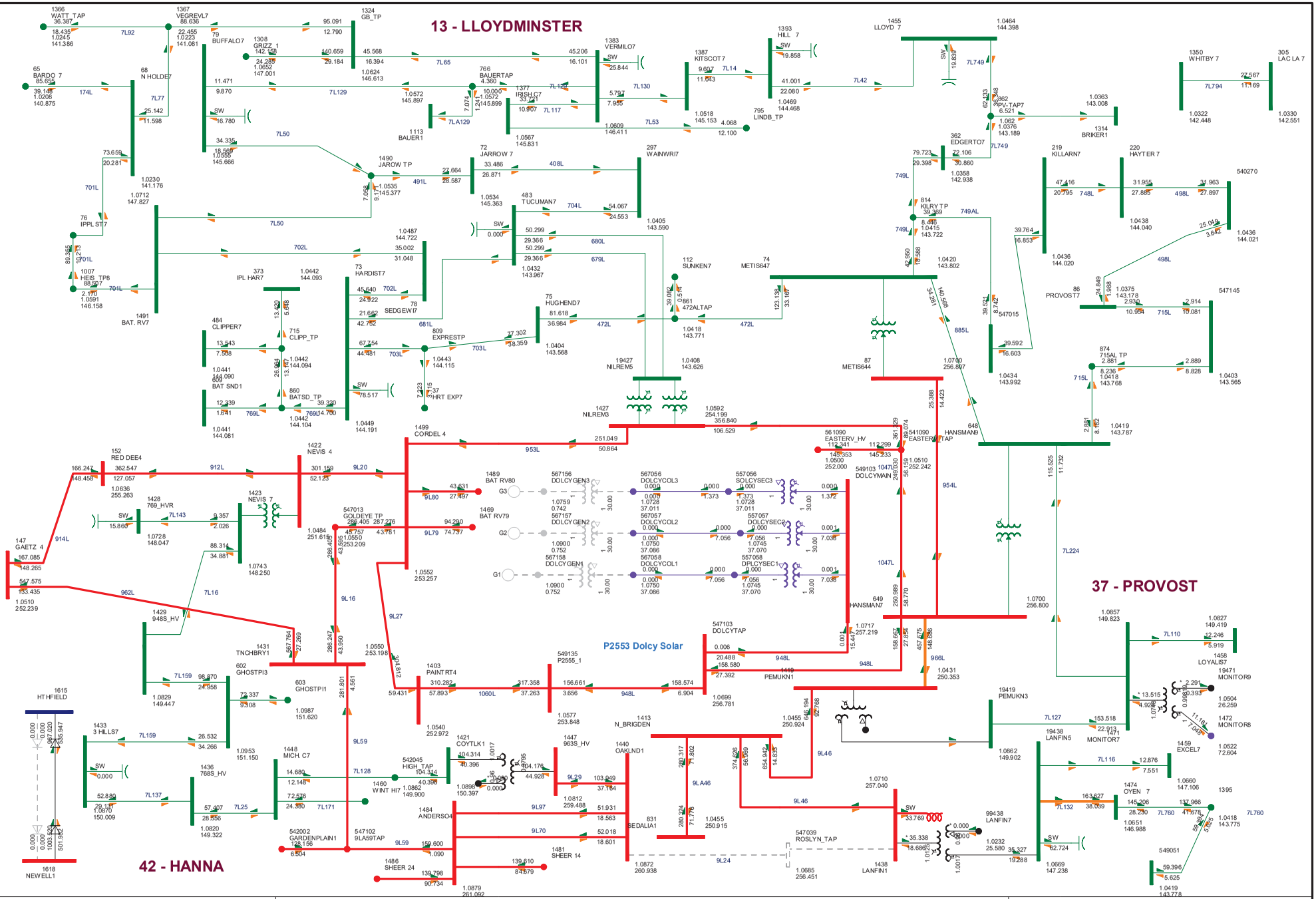


P2553 Dolcy Solar Battery MPC

FIGURE A7.3-11 N-1: 1047L (HANSMAN LAKE 650S TO NILREM 574S)
2028 WINTER PEAK HG (POST-CONNECTION) WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

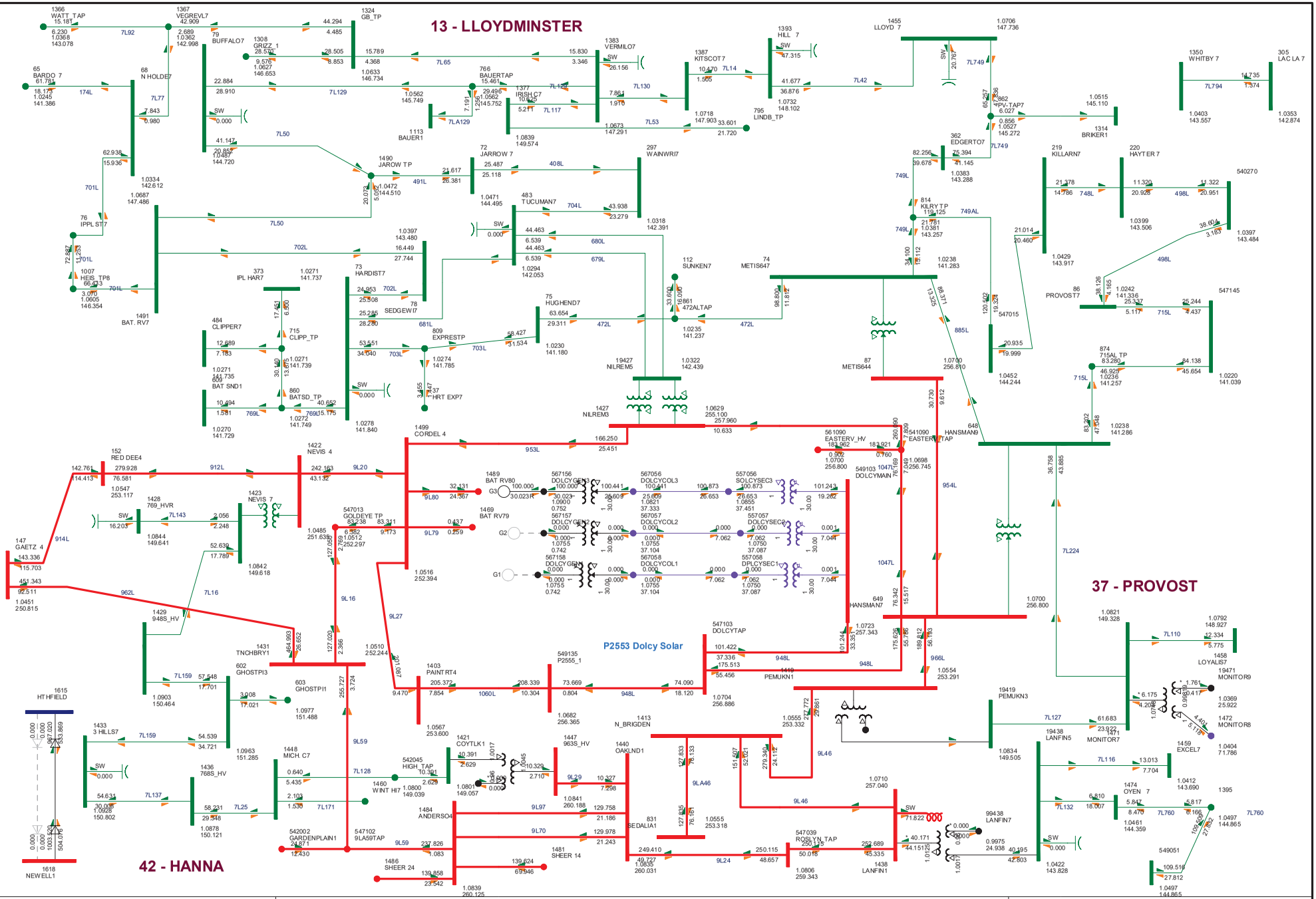


P2553 Dolcy Solar Battery MPC

FIGURE A7.3-12 N-1: 9L24 (OAKLAND 946S - LANFINE 959S)
2028 WINTER PEAK HG (POST-CONNECTION) WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

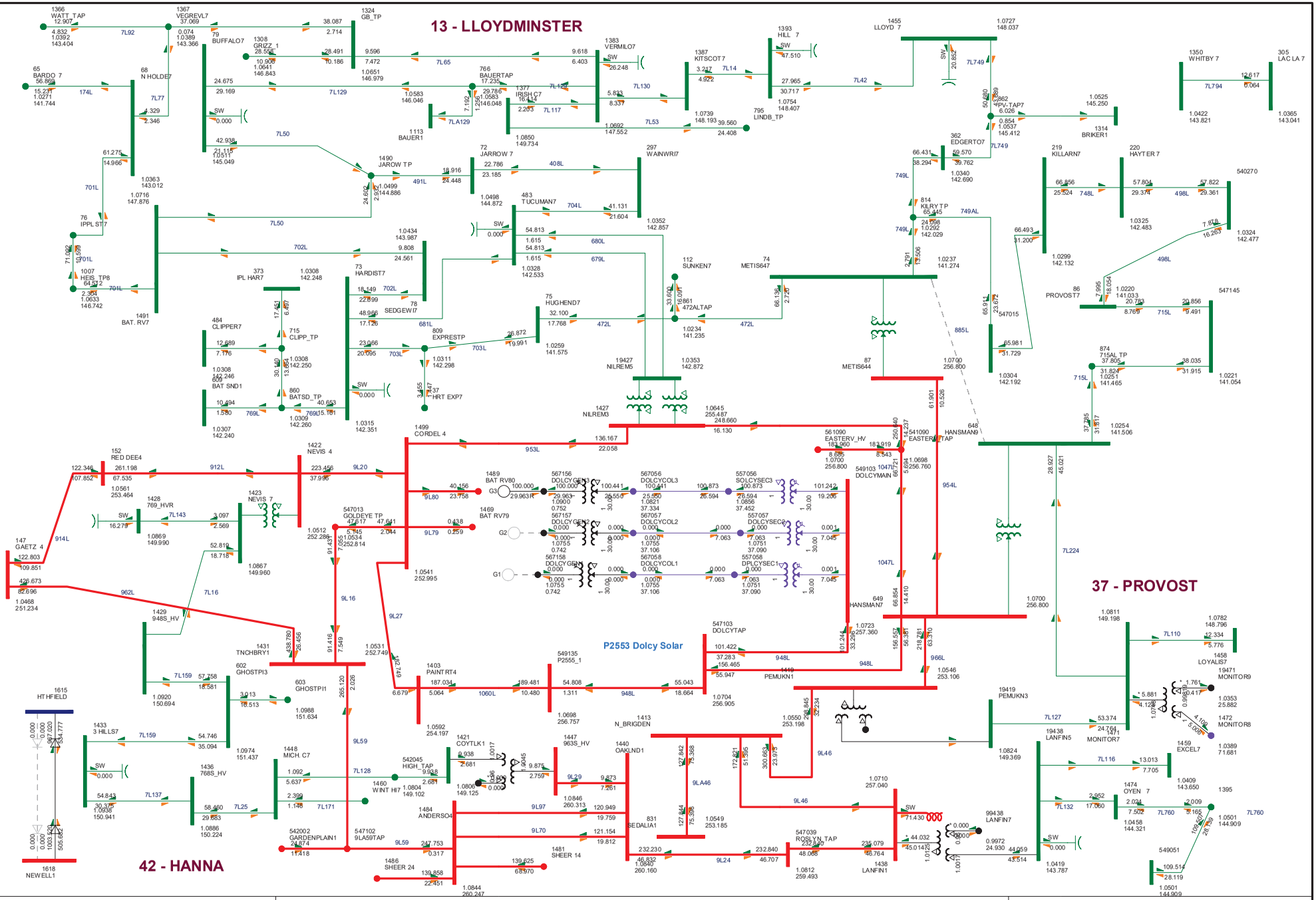


P2553 Dolcy Solar Battery MPC

FIGURE A7.4-1-N-0: NORMAL OPERATION
2028 SUMMER PEAK LG (POST-CONNECTION) WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

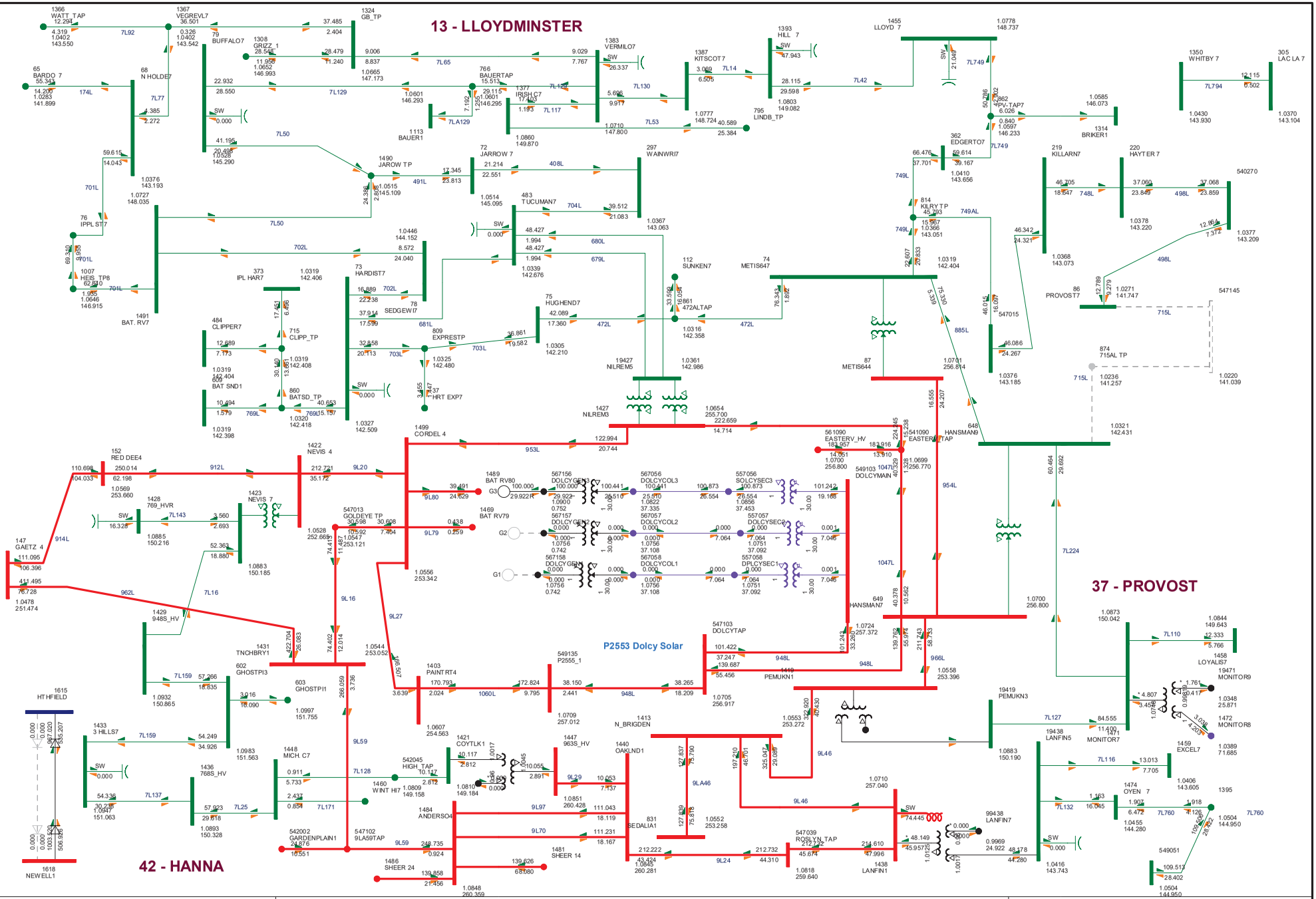


P2553 Dolcy Solar Battery MPC

FIGURE A7.4-2 N-1: 885L (METISKOW 648S TO HANSMAN LAKE 650S)
2028 SUMMER PEAK LG (POST-CONNECTION) WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

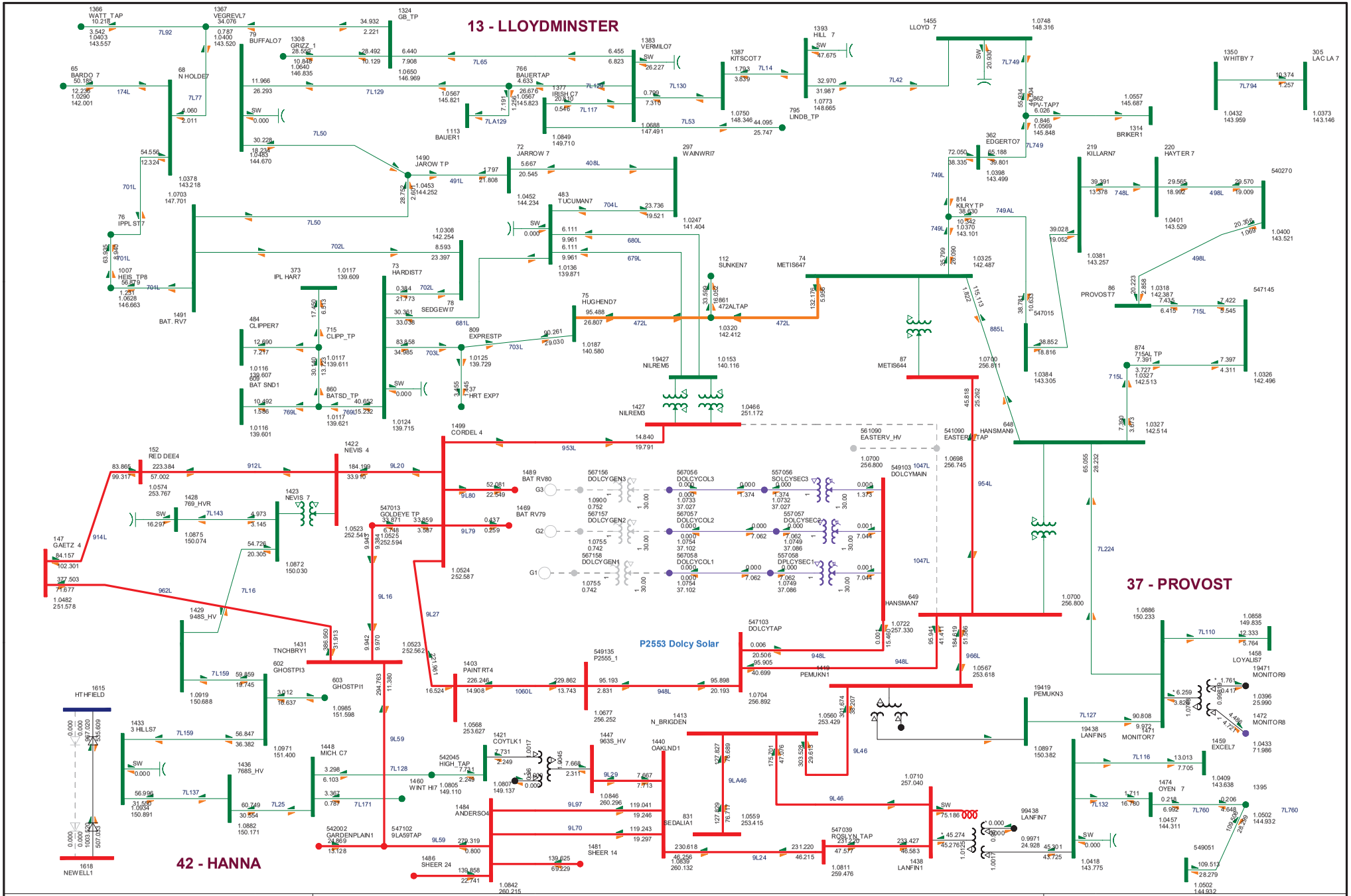


P2553 Dolcy Solar Battery MPC

FIGURE A7.4-3 N-1: 715L (HANSMAN LAKE 650S TO PROVOST 545S)
2028 SUMMER PEAK LG (POST-CONNECTION) WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

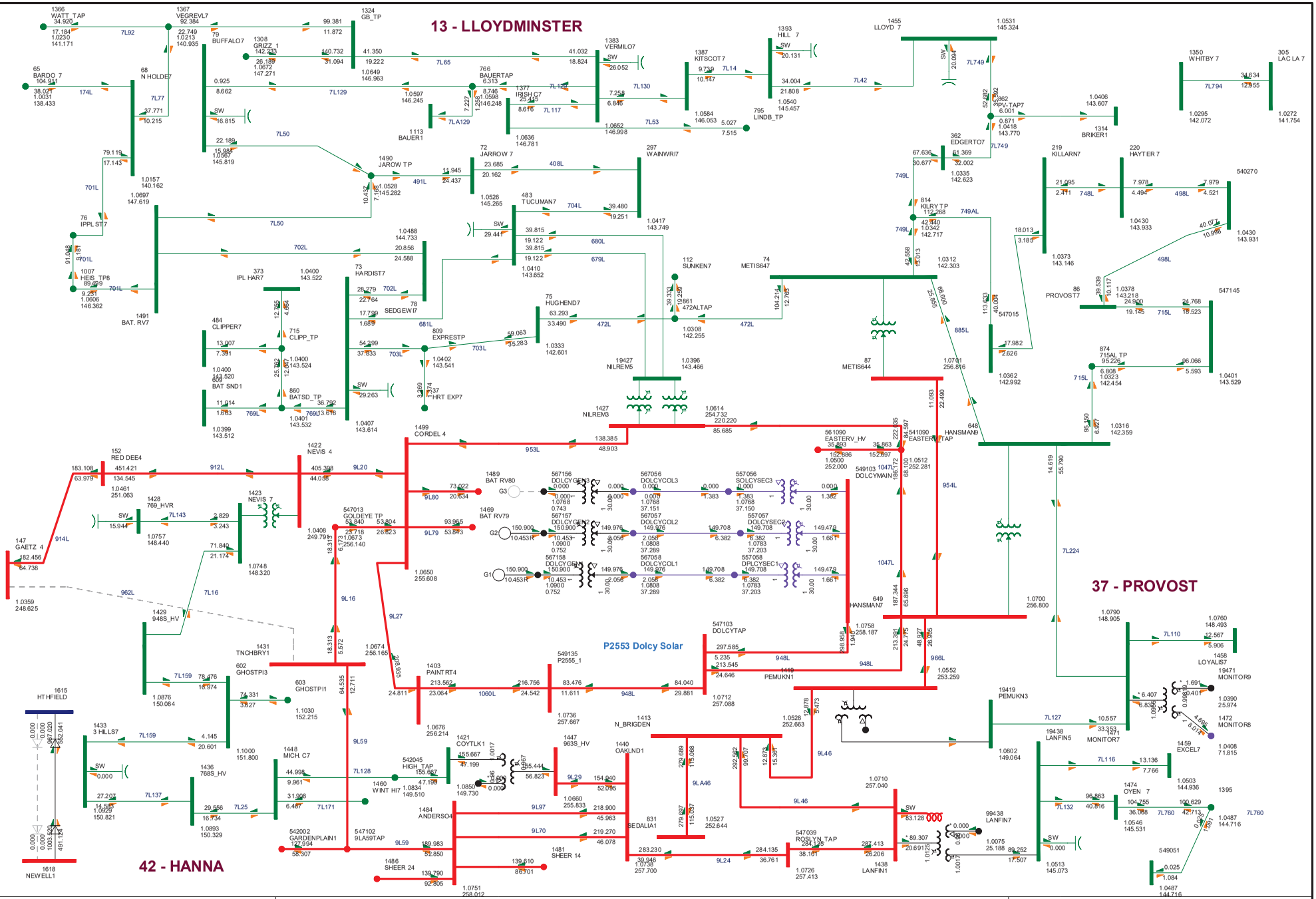


P2553 Dolcy Solar Battery MPC

FIGURE A7.4-4 N-1: 1047L (HANSMAN LAKE 650S TO NILREM 574S)
2028 SUMMER PEAK LG (POST-CONNECTION) WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

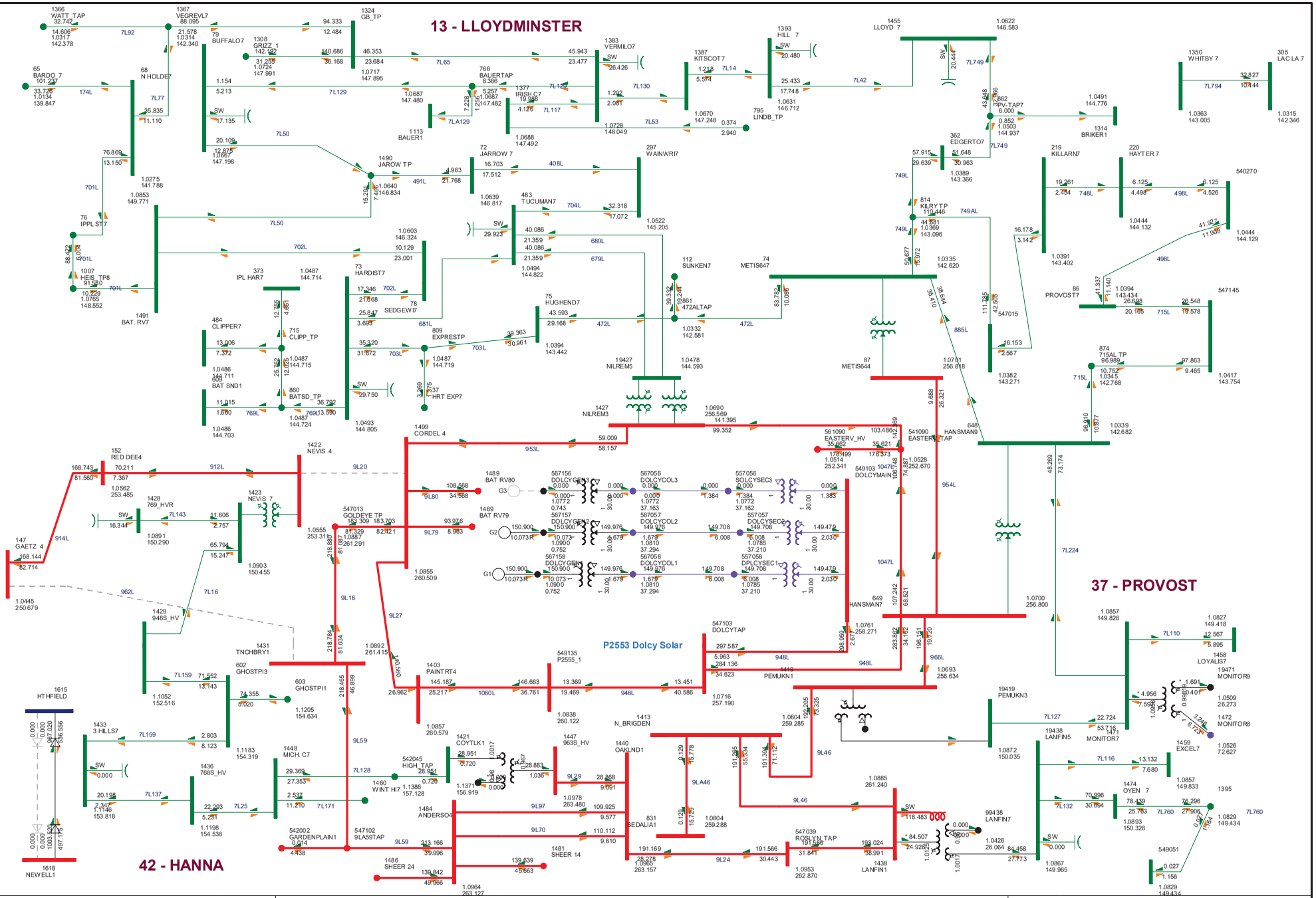


P2553 Dolcy Solar Battery MPC

FIGURE A7.5-1-N-0: NORMAL OPERATION
2028 SUMMER PEAK HG (POST-CONNECTION) - SENSITIVITY WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

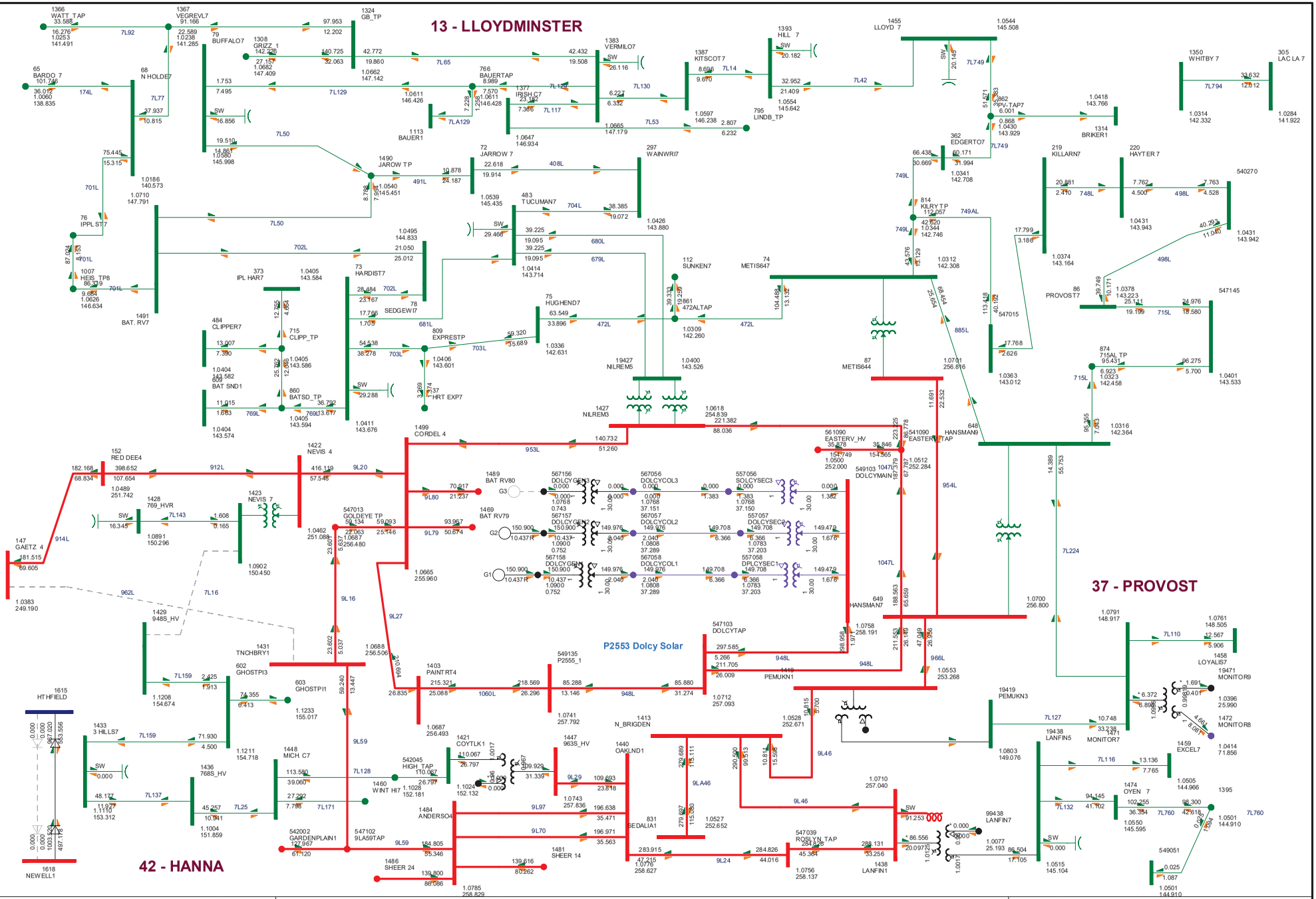


P2553 Dolcy Solar Battery MPC

FIGURE A7.5-2 N-1: 9L20 (NEVIS 766S TO CORDEL 755S)
2028 SUMMER PEAK HG (POST-CONNECTION) - SENSITIVITY WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

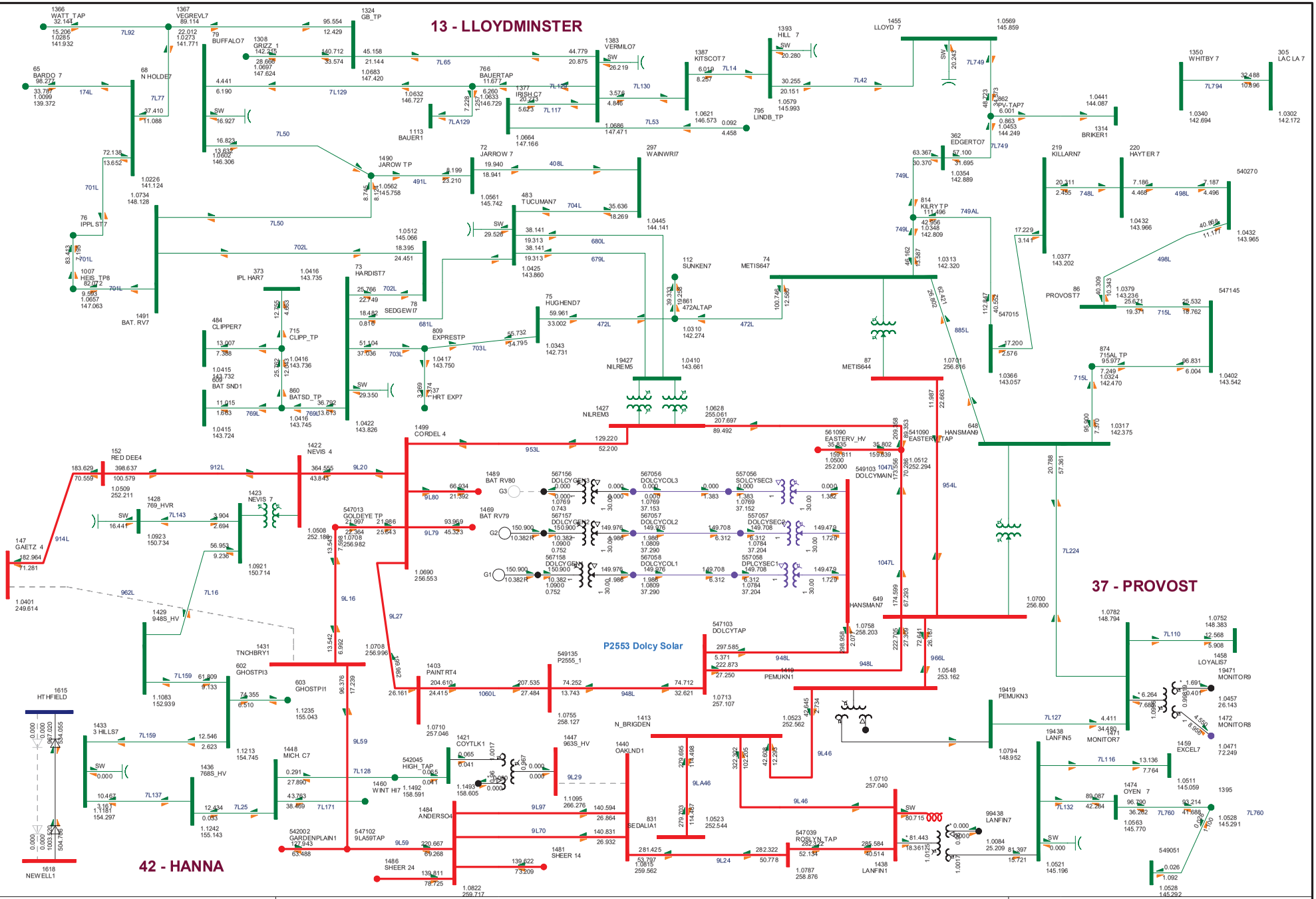


P2553 Dolcy Solar Battery MPC

FIGURE A7.5-3 N-1: 7L16 (NEVIS 766S TO HEATBURG 948S)
2028 SUMMER PEAK HG (POST-CONNECTION) - SENSITIVITY WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

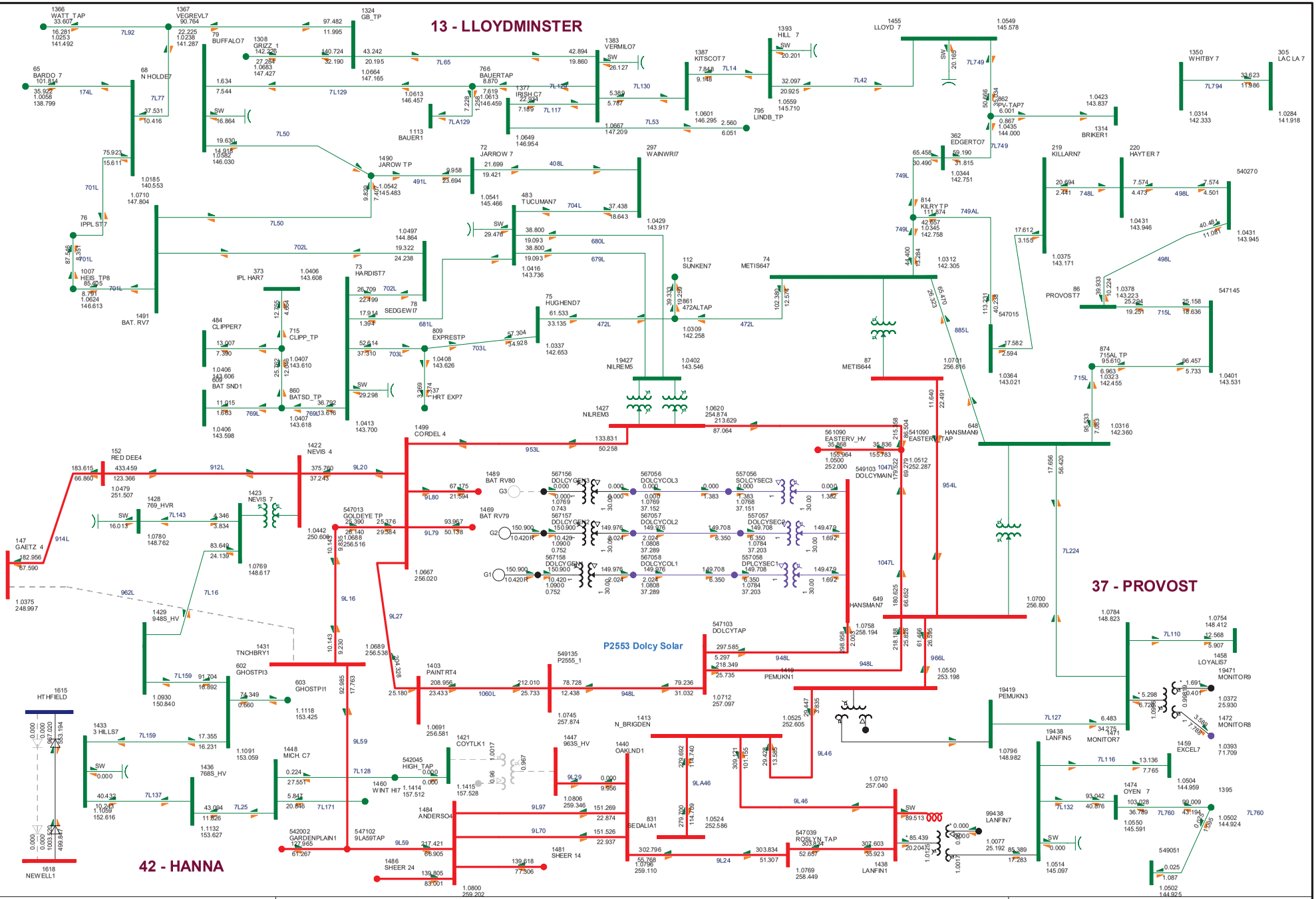


P2553 Dolcy Solar Battery MPC

FIGURE A7.5-4 N-1: 9L29 (OAKLAND 946S TO COYOTE LAKE 963S)
2028 SUMMER PEAK HG (POST-CONNECTION) - SENSITIVITY WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

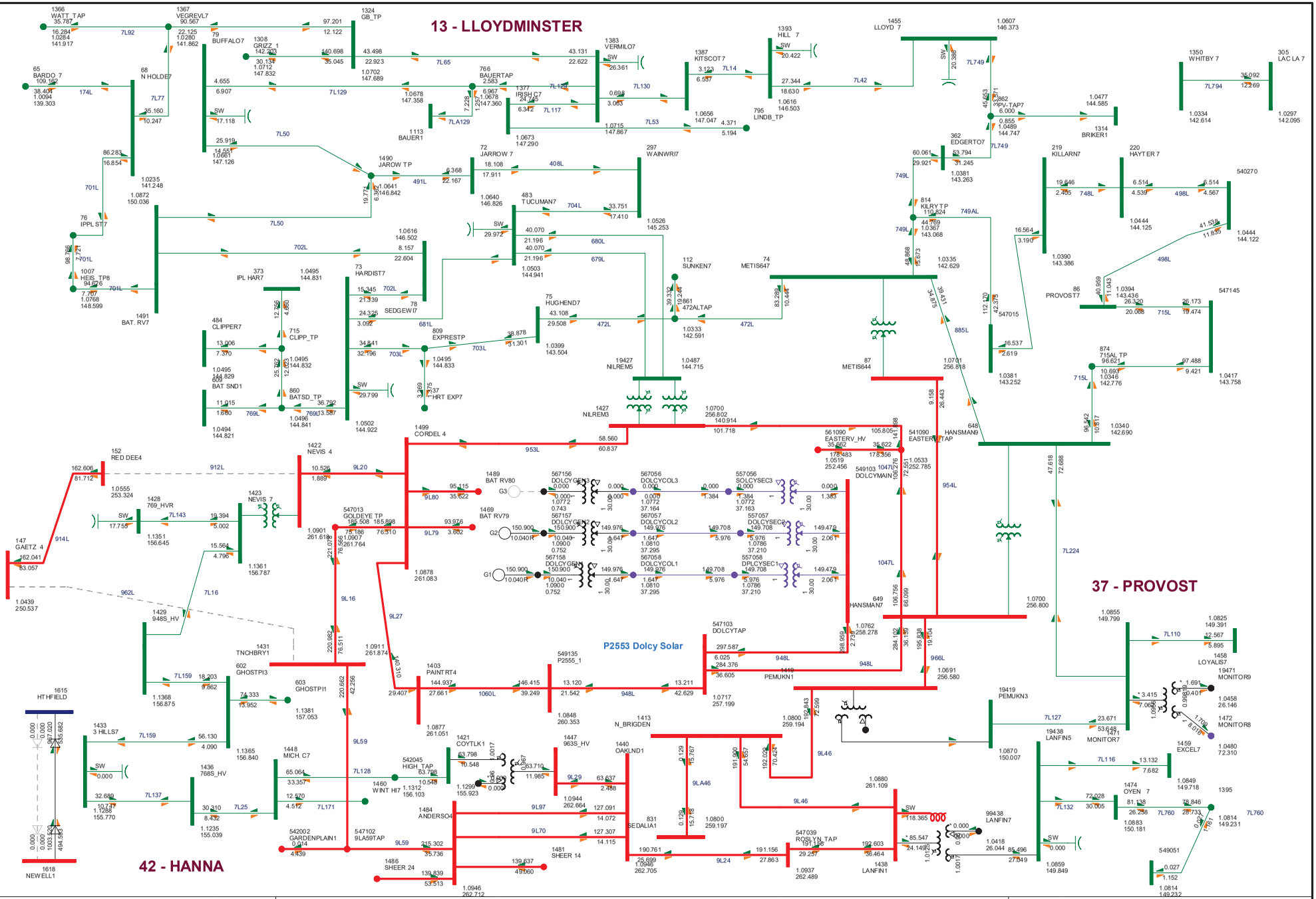


P2553 Dolcy Solar Battery MPC

FIGURE A7.5-5 N-1: 963S T1 (COYOTE LAKE 963S TRANSFORMER T1)
2028 SUMMER PEAK HG (POST-CONNECTION) - SENSITIVITY WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

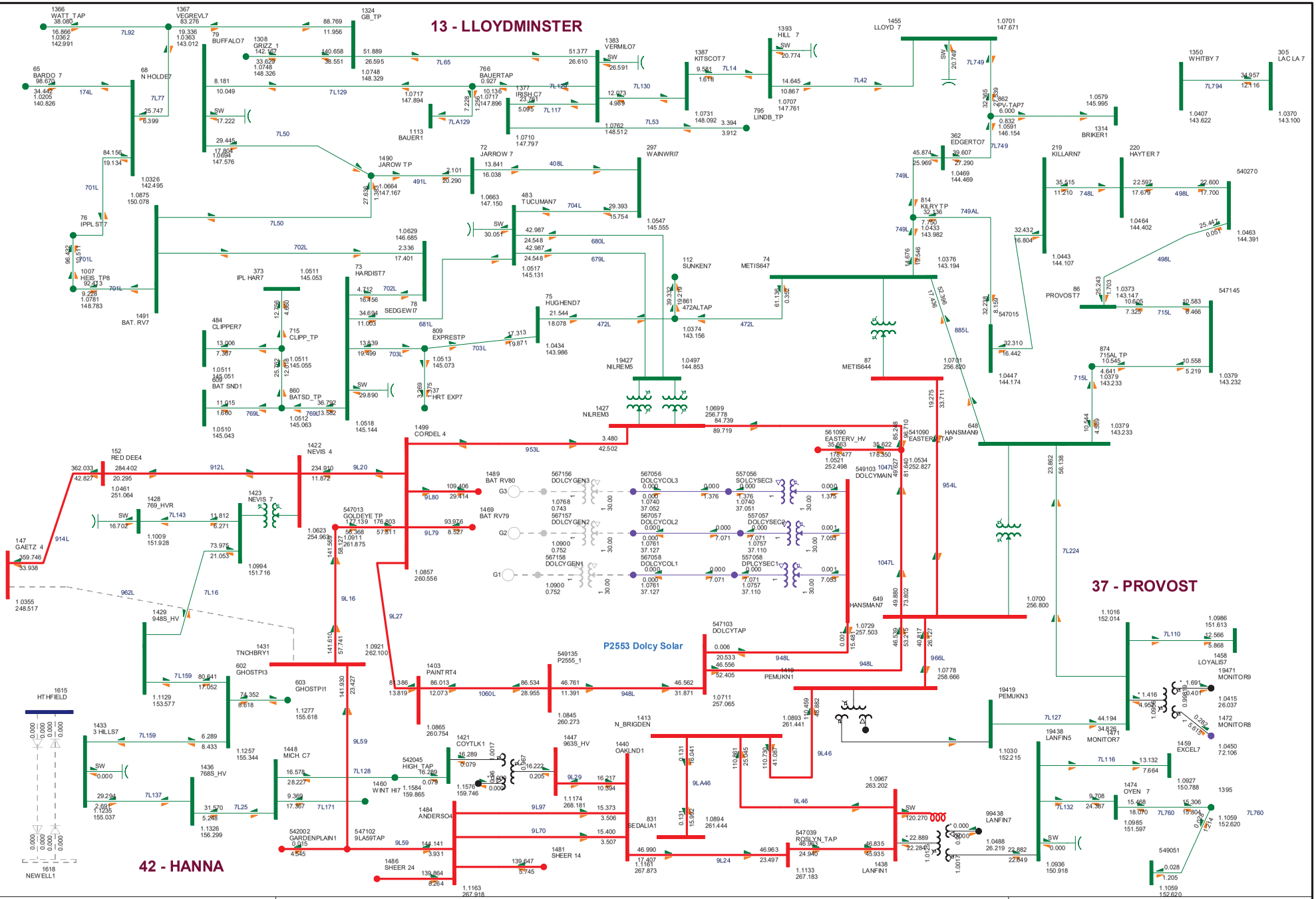


P2553 Dolcy Solar Battery MPC

FIGURE A7.5-6 N-1: 912L (NEVIS 766S TO RED DEER 63S)
2028 SUMMER PEAK HG (POST-CONNECTION) - SENSITIVITY WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

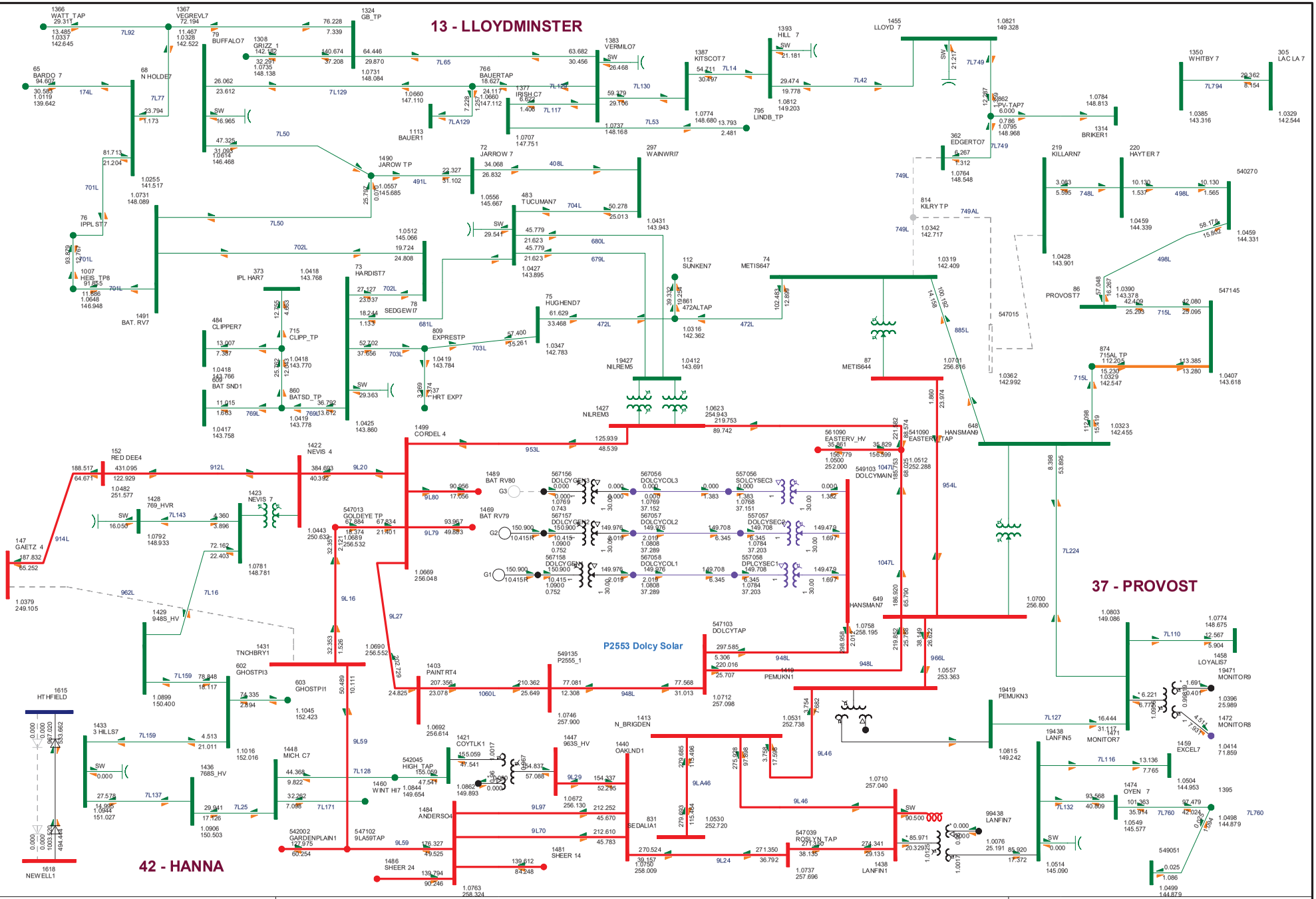


P2553 Dolcy Solar Battery MPC

FIGURE A7.5-7 N-1: EATL
2028 SUMMER PEAK HG (POST-CONNECTION) - SENSITIVITY WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

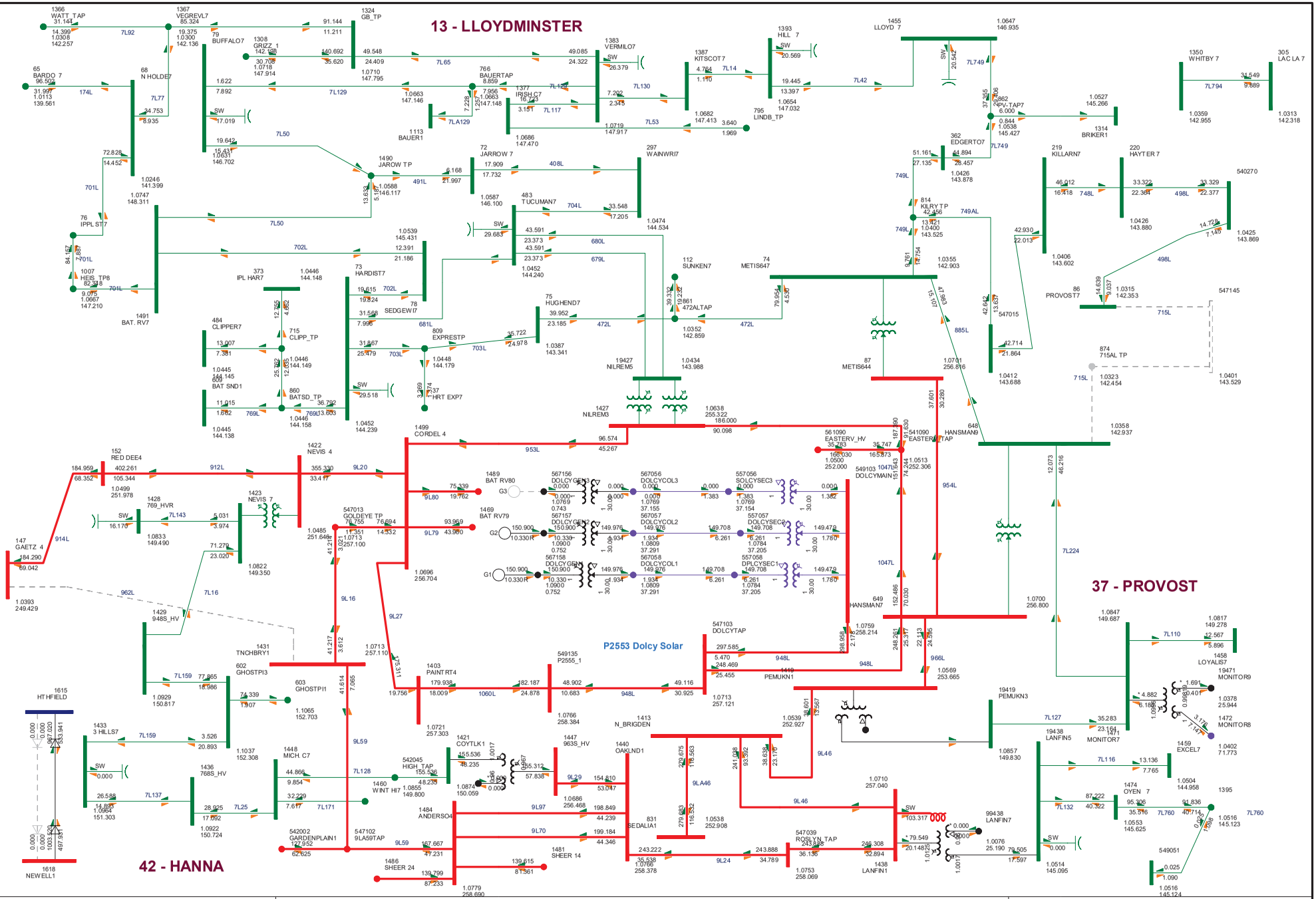


P2553 Dolcy Solar Battery MPC

FIGURE A7.5-8 N-1: 749L (METISKOW 648S TO EDGERTON 899S)
2028 SUMMER PEAK HG (POST-CONNECTION) - SENSITIVITY WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

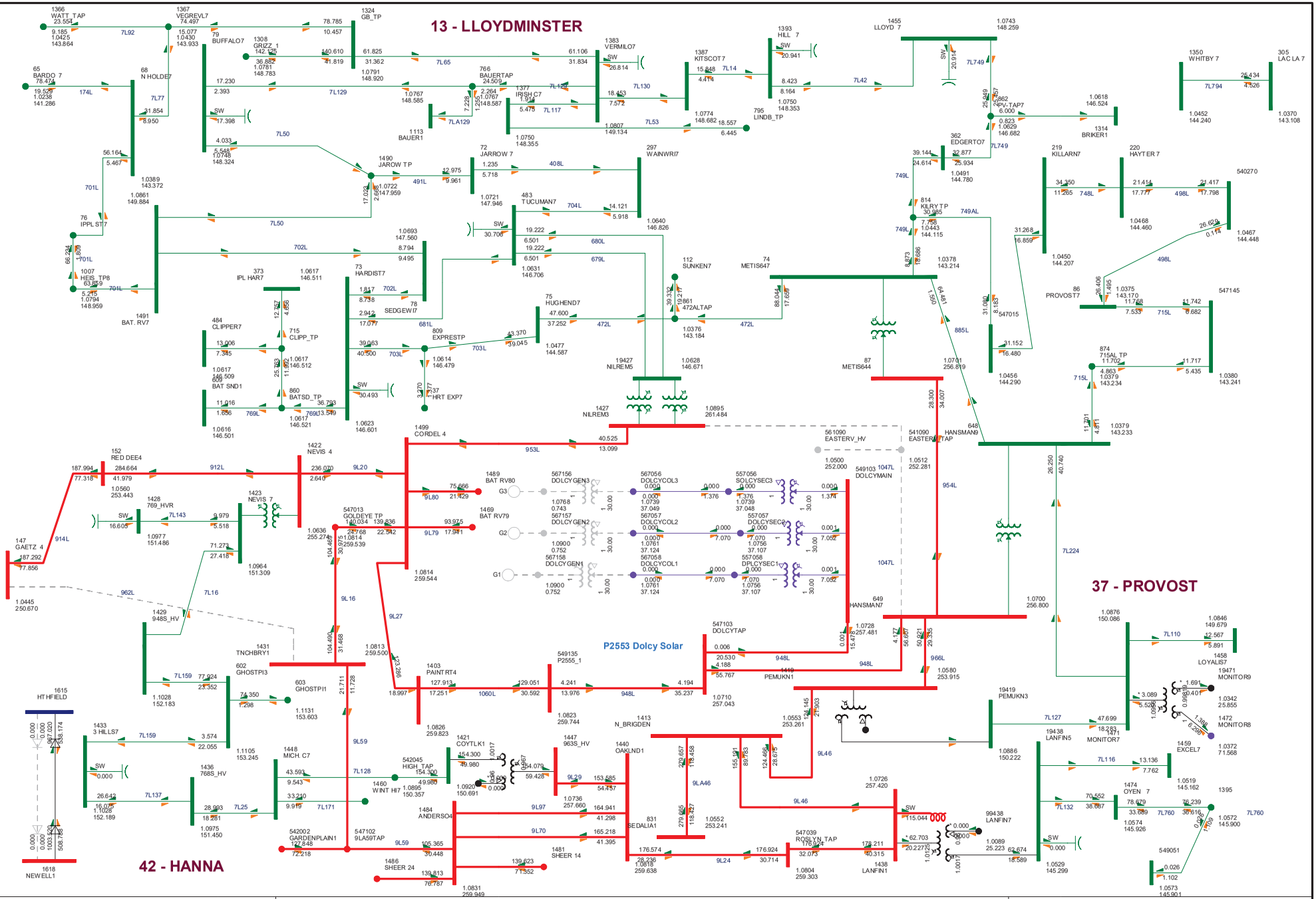


P2553 Dolcy Solar Battery MPC

FIGURE A7.5-9 N-1: 715L (HANSMAN LAKE 650S TO PROVOST 545S)
2028 SUMMER PEAK HG (POST-CONNECTION) - SENSITIVITY WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025

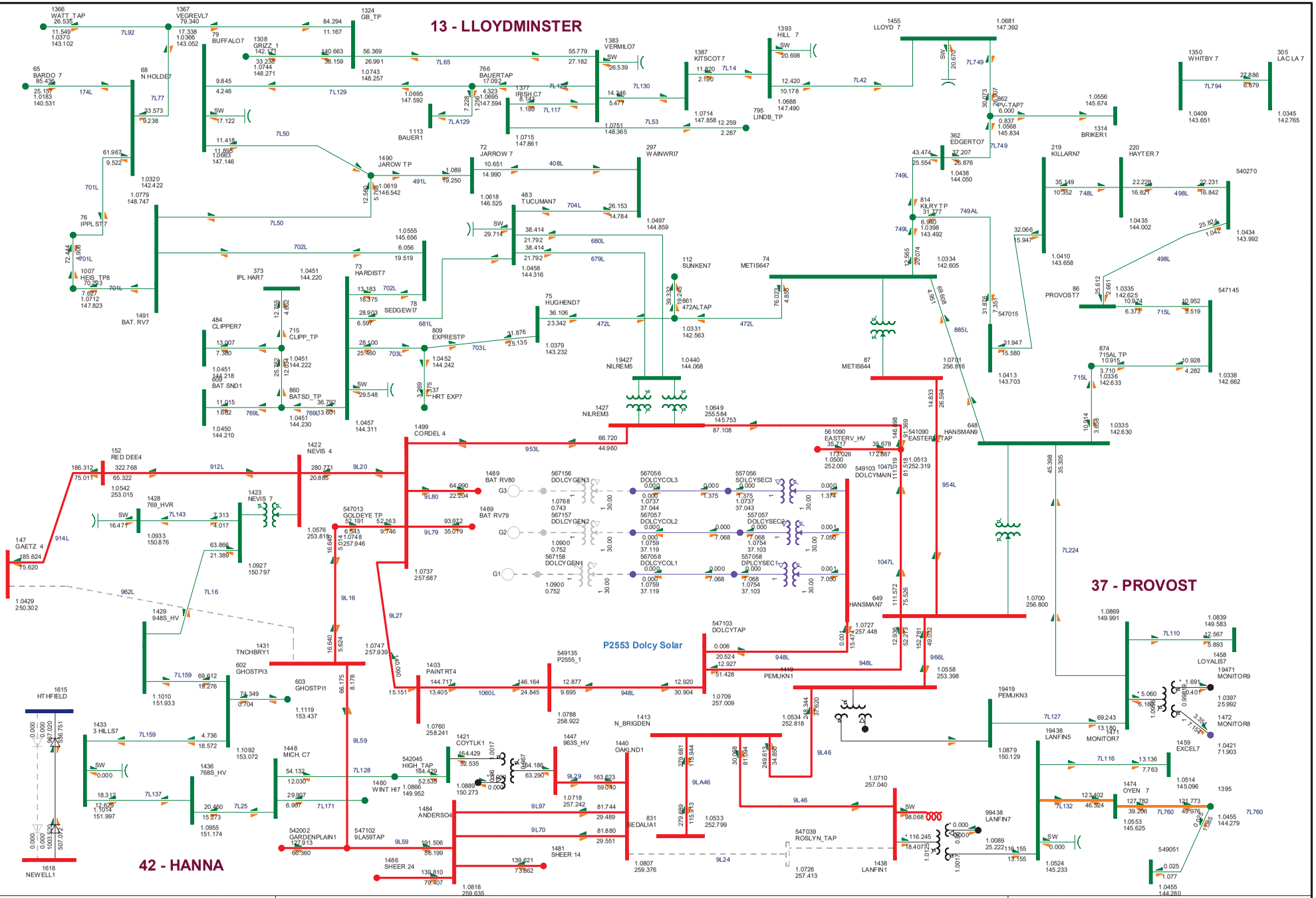
Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000



P2553 Dolcy Solar Battery MPC

FIGURE A7.5-10 N-1: 1047L (HANSMAN LAKE 650S TO NILREM 574S)
2028 SUMMER PEAK HG (POST-CONNECTION) - SENSITIVITY WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025



P2553 Dolcy Solar Battery MPC

FIGURE A7.5-11 N-1: 9L24 (OAKLAND 946S - LANFINE 959S)
2028 SUMMER PEAK HG (POST-CONNECTION) - SENSITIVITY WITH RAS
PRINTED ON TUESDAY 08. APRIL 2025

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar

kV: <=25.000 <=72.000<=144.000<=240.000 <=500.000>500.000

Attachment A8
Constraint Effective Factors Table

Alternative 1

| Scn6_2028SL_Post | | |

Alternative 1

| | | |