Engineering Connection Assessment

P2460 Fox Meadows Wind Project Connection

ABO Energy Canada Ltd.

Date: August 18, 2025

Version: V1

Classification: Public

Role	Name	Date	Signature
Prepared	Mahmoud Ahmed, P. Eng.		Mahmoud Ahmed -- P. Eng. - APEGA Digitally signed by Mahmoud Ahmed -- P. Eng. - APEGA Date: 2025.08.18 15:38:13 -06'00'
Reviewed	Myron Jin-Li, P. Eng.		Myron Jin-Li -- P. Eng. - APEGA Digitally signed by Myron Jin-Li -- P. Eng. - APEGA Date: 2025.08.19 09:59:43 -06'00'
Approved	Peyman Ahmadi, P.Eng.		Peyman Ahmadi -- P. Eng. - APEGA Digitally signed by Peyman Ahmadi -- P. Eng. - APEGA Date: 2025.08.19 10:10:16 -06'00'

PROFESSIONAL ENGINEER ALBERTA
MAHMOUD MOHAMED OTHMAN AHMED
M.A.
ID 280036

2025-08-19

PERMIT TO PRACTICE
INDEPENDENT SYSTEM OPERATOR
RM SIGNATURE: Ahmadi
RM APEGA ID #: 196963
DATE: 2025-08-19
PERMIT NUMBER: P008200
The Association of Professional Engineers and Geoscientists of Alberta (APEGA)

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.

Contents

1 Introduction 1
1.1 Project Overview 1
2 Assessment Scope 2
2.1 Objectives 2
2.2 Existing System 2
2.3 Study Area 2
3 Connection Alternatives 3
3.1 Overview 3
3.2 Connection Alternatives Examined 3
3.3 Connection Alternatives Selected for Further Study 11
3.4 Connection Alternatives Not Selected for Further Study 11
4 Assessment Approach 12
4.1 Standards, Criteria and Assumptions 12
4.2 Studies Performed 12
4.2.1 Power Flow Studies 13
4.2.2 Transient Stability Studies 13
4.2.3 Short-Circuit Current Level Studies 13
4.3 Mitigation Measure Development and Evaluation 13
4.3.1 Post-Mitigation Studies 13
4.3.2 Constraint Effective Factor Studies 13
5 Interpretation of Results 14
5.1 Results Overview 14
5.2 Pre-Project Study Results 16
5.2.1 Category A Conditions 16
5.2.2 Category B Conditions 16
5.3 Post-Project Study Results 16
5.3.1 Category A Conditions 16
5.3.2 Category B Conditions 18
5.4 Mitigation Measures 18
5.4.1 Pre-Project 18
5.4.2 Post-Project 19
5.4.3 Post-Project Mitigation Study Results 19
6 Project Dependencies 20
7 Conclusions and Recommendations 21

Tables

Table 4-1: Connection Study Scenarios 12
Table 5-1: Summary of Category A Reliability Criteria Violations, Project Impact and Mitigation Measures- All Scenarios 15
Table 5-2: Thermal Criteria violations under N-0 Condition in the SP scenarios 16
Table 5-3: Thermal Criteria violations under N-0 Condition in the SL scenarios 17
Table 5-4: Thermal Criteria violations under N-0 Condition in the WP scenarios 18
Table A-1 - Summary of Category B Reliability Criteria Violations, Project Impact and Mitigation Measures- All Scenarios 23

Figures

Figure 3-1: Connection Alternative 1 4
Figure 3-2: Connection Alternative 2 5
Figure 3-3: Connection Alternative 3 6
Figure 3-5: Connection Alternative 4 7
Figure 3-6: Connection Alternative 5 8
Figure 3-7: Connection Alternative 6 9
Figure 3-8: Connection Alternative 7 10

Attachments

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

Appendix

Appendix A: Engineering Connection Asessment 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

ABO Energy Canada Ltd. (Market Participant) has submitted a request for system access service to the AESO to connect its approved ABO Fox Meadows Wind Project[1] (Facility) to the AIES. The Facility includes a collector substation, designated as Spalding 1059S substation.

The Market Participant's request includes: a request for a new system access service in the area, with a Rate STS, *Supply Transmission Service*, contract capacity of 150 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 and Energy Storage Facility Approval 29226-D02-2025, and Substation Permit and Licence 29226-D03-2025, Fox Meadows Wind 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. Provost (Area 37) is connected to Wainwright (Area 32) through a 138 kV transmission line and two 240 kV transmission lines; Alliance/Battle River (Area 36) through two 240 kV transmission lines; and Hanna (Area 42) through a 240 kV transmission line and a 138/144 kV transmission line.

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 Provost (Area 37), Sheerness (Area 43), Lloydminster (Area 13), Wainwright (Area 32), Hanna (Area 42), Vegreville (Area 56) and Alliance/Battle River (Area 36), 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 – 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 seven 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.

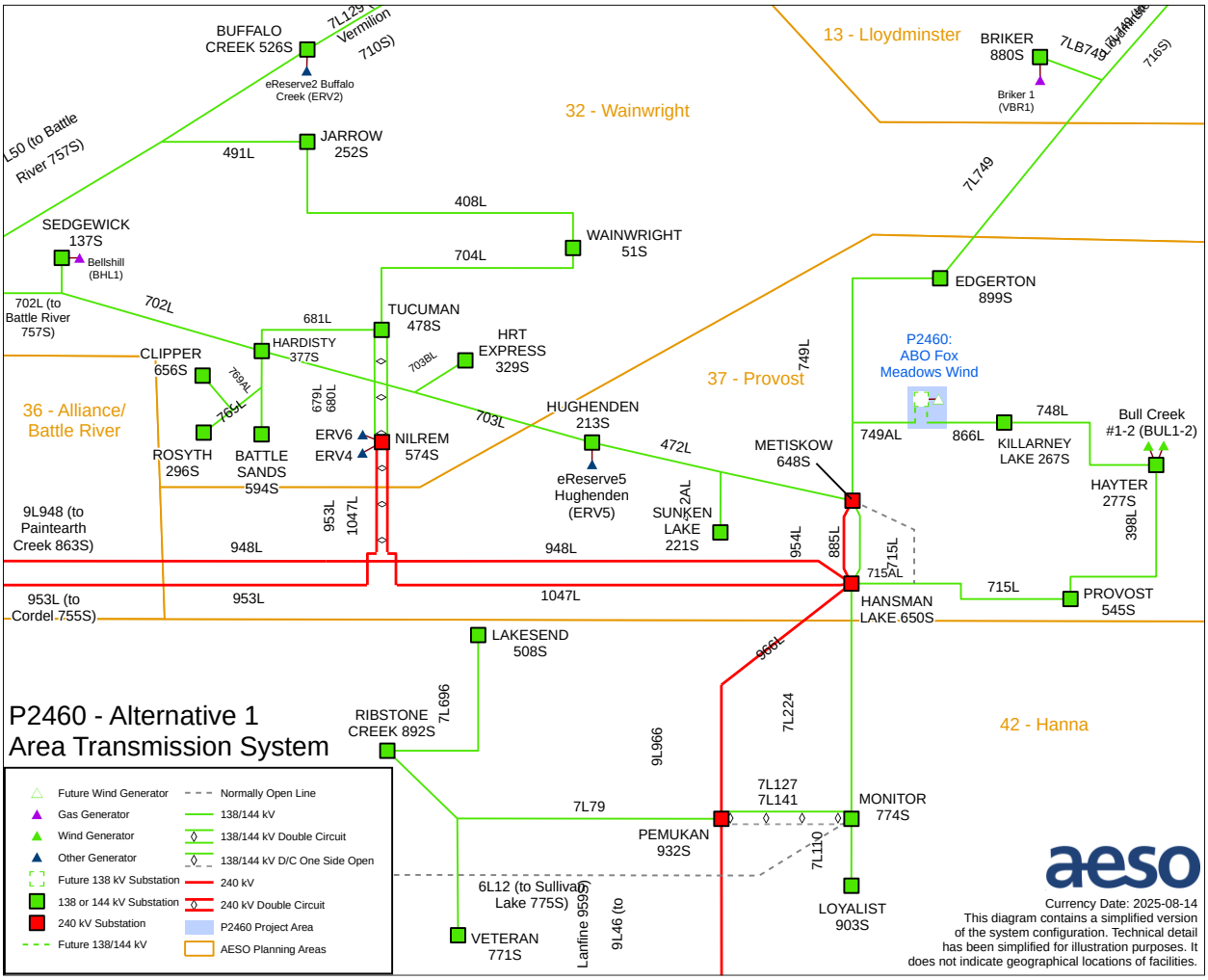
Alternative 1 – In-and-out connection to 138 kV transmission line 749AL

This alternative includes the following developments:

- Add one switching substation, including two 138 kV circuit breakers, connected to the existing 138 kV transmission line 749AL (between the existing Killarney Lake 267S substation and 749L) using an in-and-out configuration;
- Connect the Facility to the switching substation; and
- Add or modify associated equipment as required for the above transmission developments.

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

Figure 3-1: Connection Alternative 1



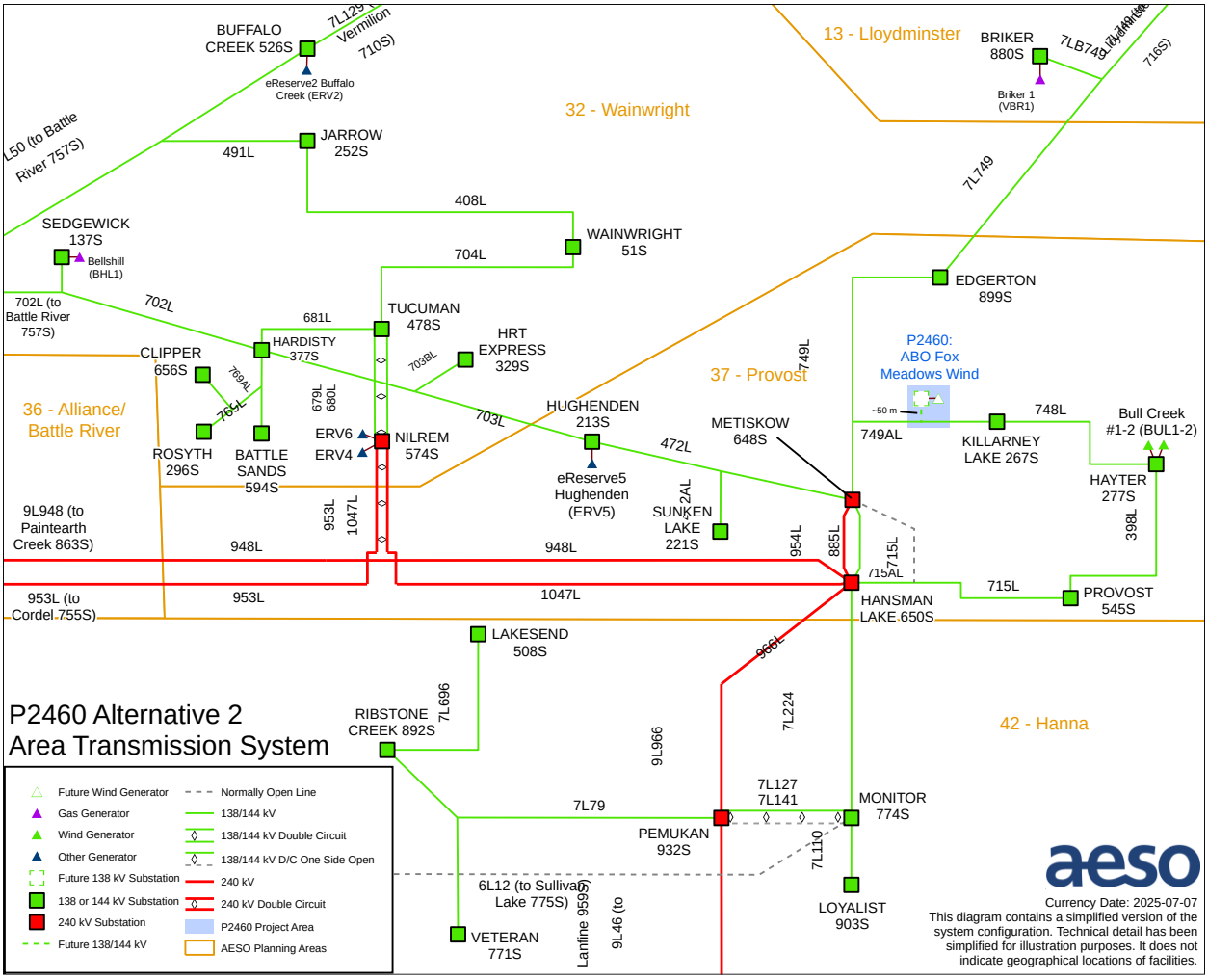
Alternative 2 – T-tap connection to 138 kV transmission line 749AL

This alternative includes the following developments:

- Add one 138 kV circuit, approximately 50 meters[2] in length, to connect the Facility to the existing 138 kV transmission line 749AL (between existing Killarney Lake 267S and 749AL Tap) 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



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

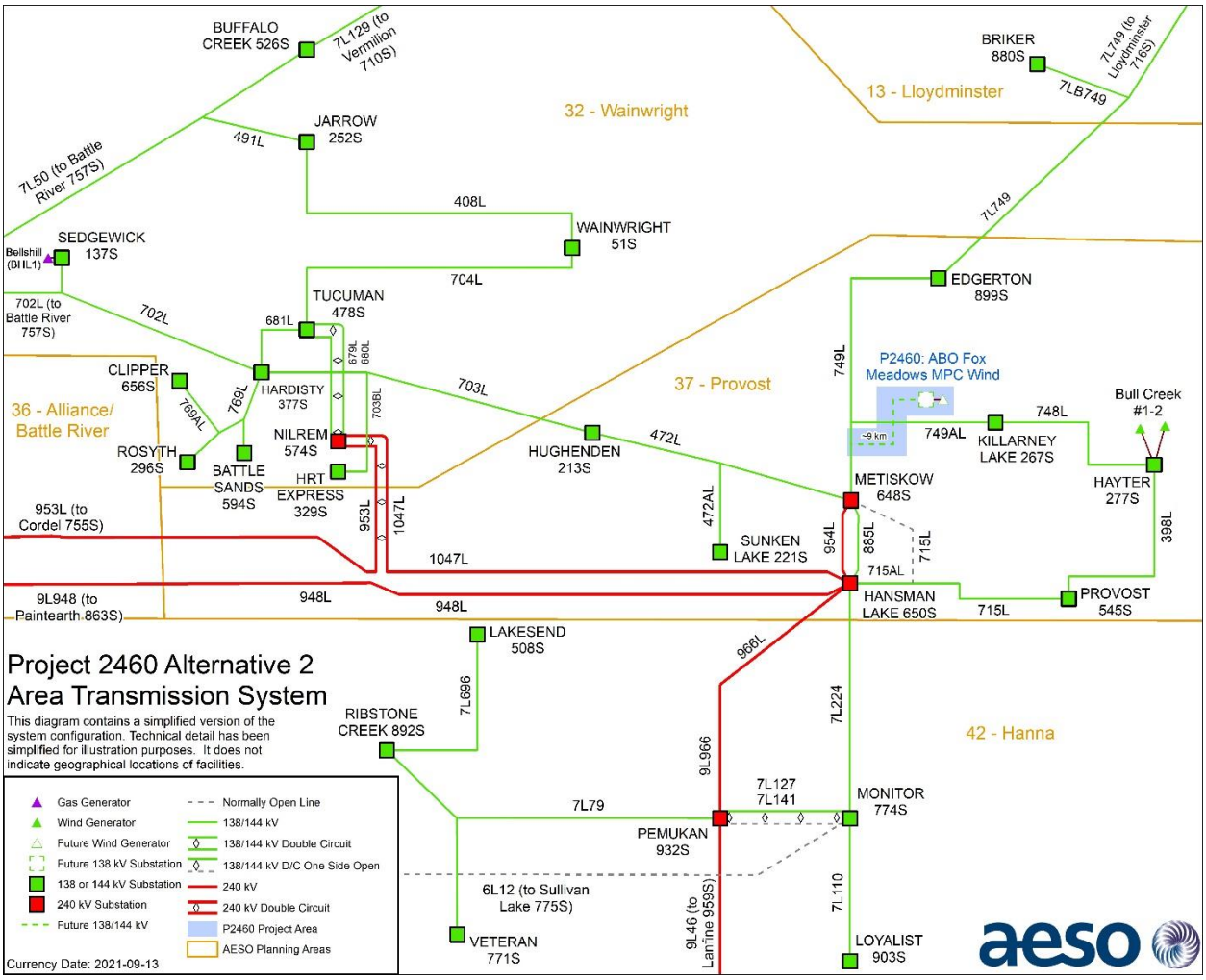
Alternative 3 – T-tap connection to 138 kV transmission line 749L

This alternative includes the following developments:

- Add one 138 kV circuit, approximately 9 km in length,[3] to connect the Facility to the existing 138 kV transmission line 749L (between existing 749AL tap and 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



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

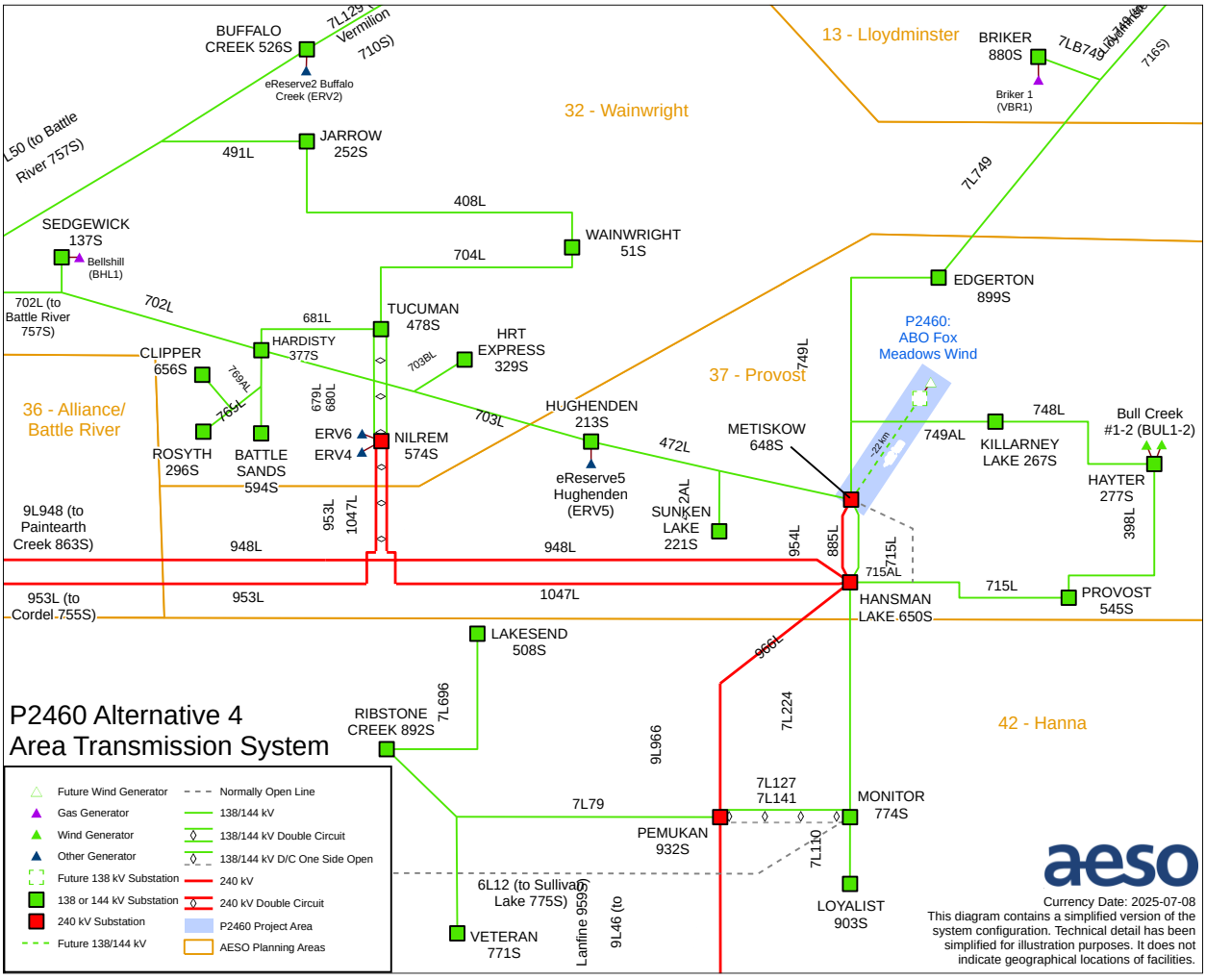
Alternative 4 – Radial 138 kV connection to Metiskow 648S substation

This alternative includes the following developments:

- Add one 138 kV circuit, approximately 22 km in length,[4] to connect the Facility to the existing Metiskow 648S substation using a radial configuration;
- Modify Metiskow 648S substation, including adding one 138 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 3-4: Connection Alternative 4



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

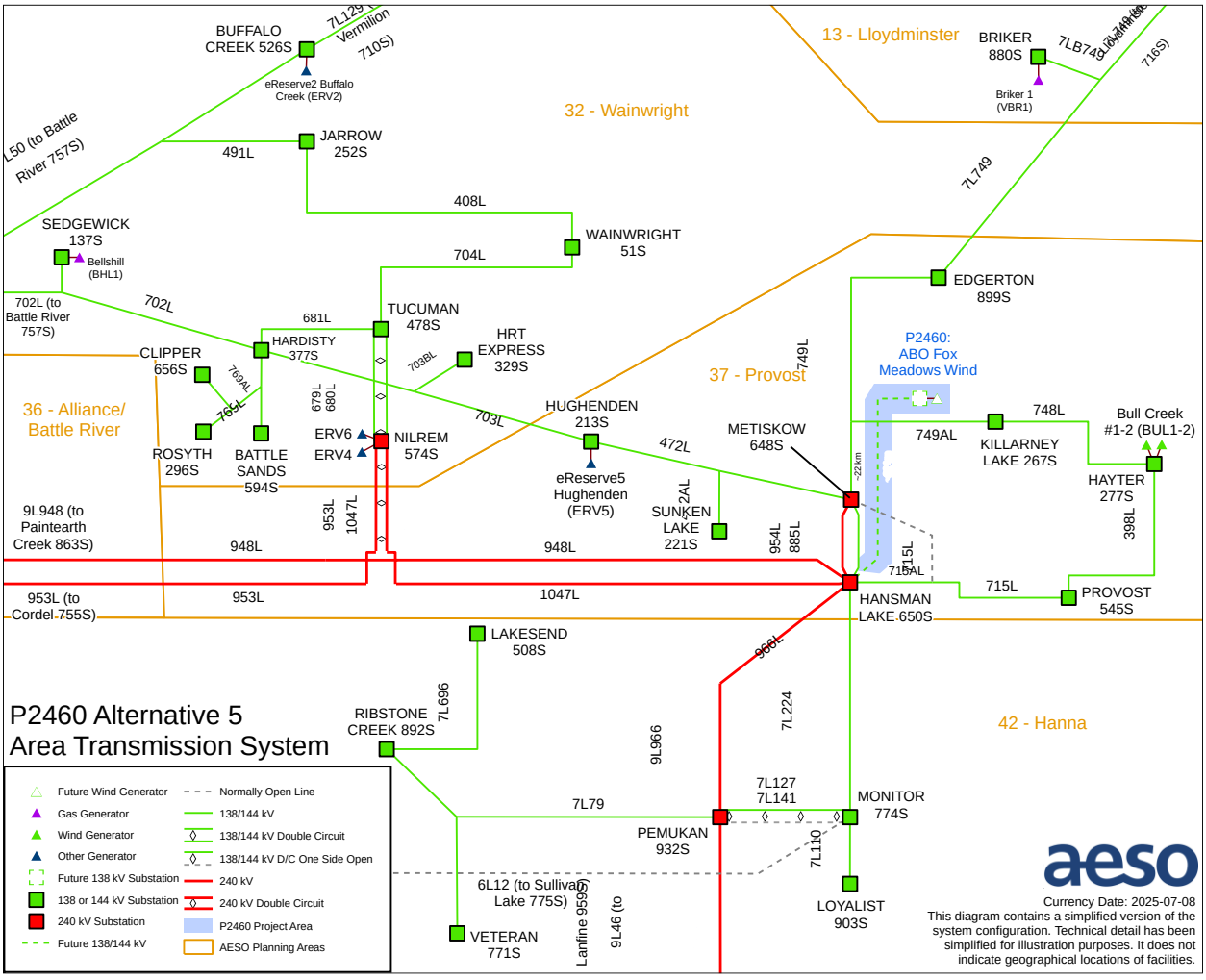
Alternative 5 – Radial 138 kV connection to Hansman Lake 650S substation

This alternative includes the following developments:

- Add one 138 kV circuit, approximately 22 km in length,[5] to connect the Facility to the existing Hansman Lake 650S substation using a radial configuration;
- Modify Hansman Lake 650S substation, including adding one 138 kV circuit breaker; and
- Add or modify associated equipment as required for the above transmission developments.

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

Figure 3-5: Connection Alternative 5



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

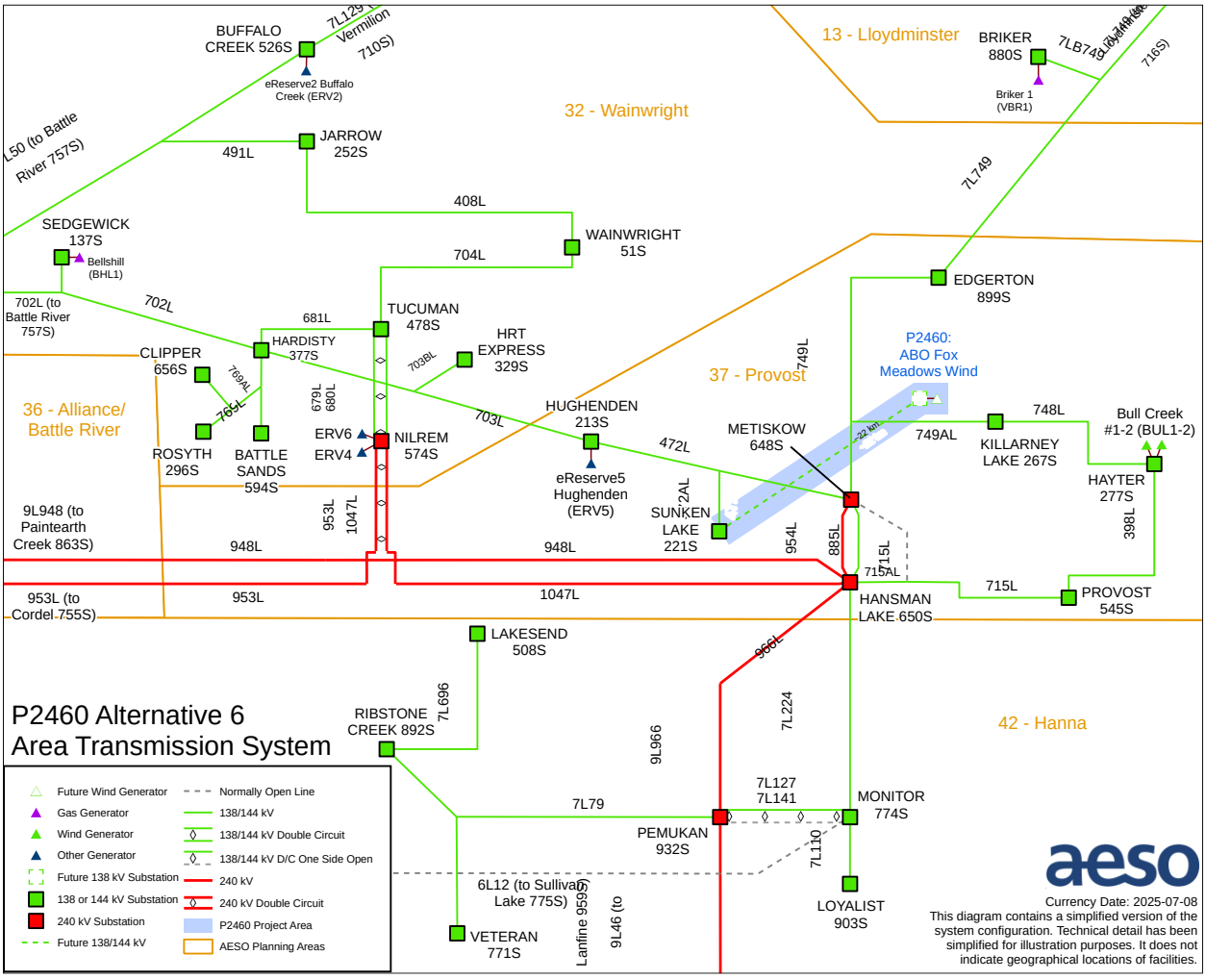
Alternative 6 – Radial 138 kV connection to Sunken Lake 221S substation

This alternative includes the following developments:

- Add one 138 kV circuit, approximately 22 km in length,[6] to connect the Facility to the existing Sunken Lake 221S substation using a radial configuration;
- Modify Sunken Lake 221S substation, including adding one 138 kV circuit breaker; and
- Add or modify associated equipment as required for the above transmission developments.

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

Figure 3-6: Connection Alternative 6



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

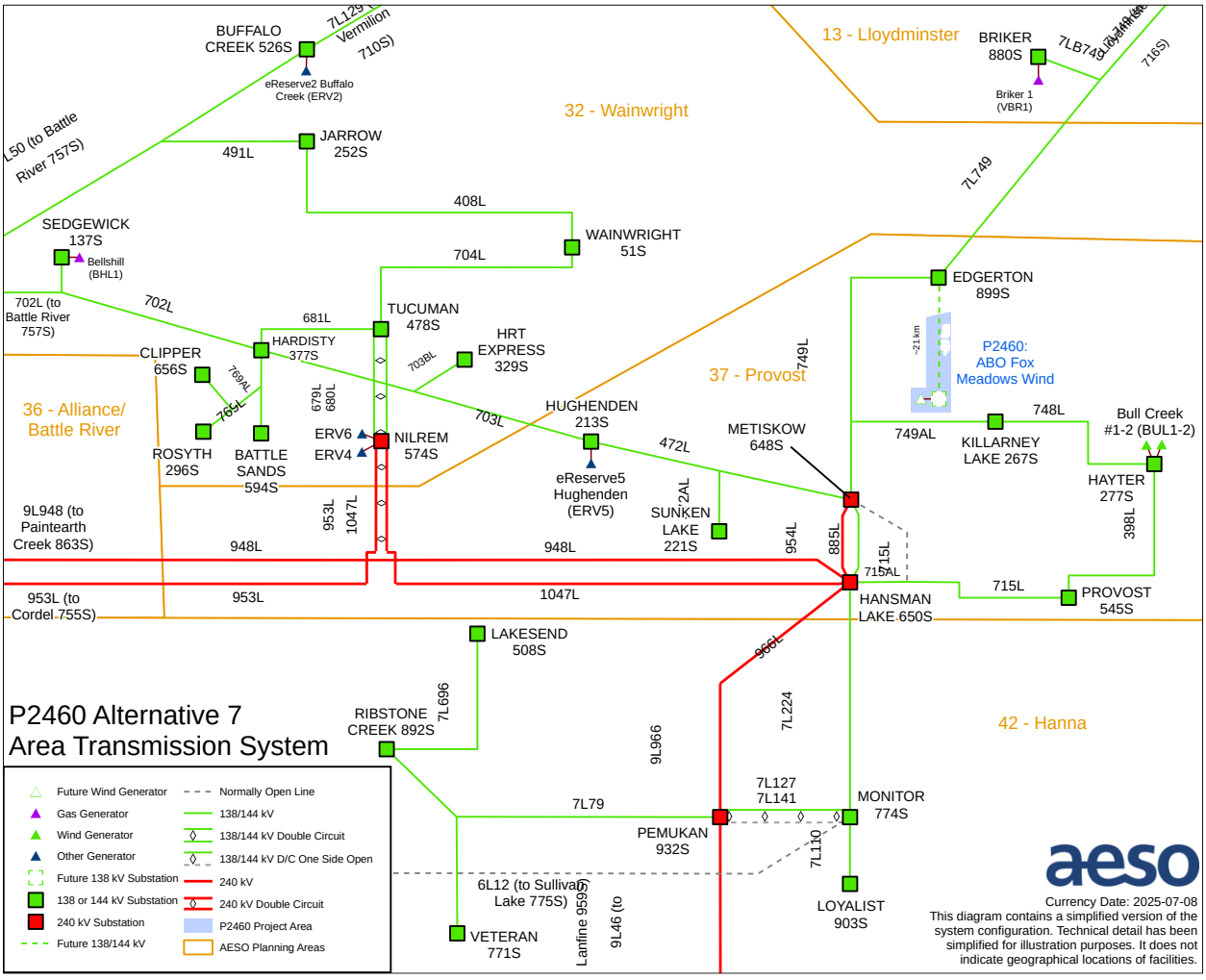
Alternative 7 – Radial 138 kV connection to Edgerton 899S substation

This alternative includes the following developments:

- Add one 138 kV circuit, approximately 21 km in length,[7] to connect the Facility to the existing Edgerton 899S substation using a radial configuration;
- Modify Edgerton 899S substation, including adding one 138 kV circuit breaker; and
- Add or modify associated equipment as required for the above transmission developments.

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

Figure 3-7: Connection Alternative 7



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

3.3 Connection Alternatives Selected for Further Study

Alternative 1 is considered technically feasible and was selected for further study.

3.4 Connection Alternatives Not Selected for Further Study

The TFO has advised that Alternatives 2 and 3 are not technically feasible after conducting protection and control studies.

Alternatives 4, 5, 6 and 7 involve increased transmission development, and hence increased cost, compared to Alternative 1 and were therefore ruled out.

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. Therefore, studies were performed using scenarios for 2028 Summer Light (SL), 2028 Summer Peak (SP), and 2028 Winter Peak (WP).

Stage 1 of the approved Central East Transfer-out Transmission (CETO) project, which has a scheduled ISD of June 2026,[8] was included in all studied scenarios reported herein.

Short-circuit studies were performed using the 2033 Winter Peak (WP) scenario.

Table 4-1 lists the study scenarios. Post-Project scenarios reflect the requested Rate STS contract capacity of 150 MW at the Spalding 1059S 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					
4	2028 SL	HG	2028 SL HG Post-Project	0	150
5	2028 SP		2028 SP HG Post-Project	0	150
6	2028 WP		2028 WP HG Post-Project	0	150
7	2033 WP	All study area generation in-service	2033 WP Post-Project	0	150

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.

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

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.[9]

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 listed in Table 4-1 above.

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 listed in Table 4-1 above.

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 and transient stability 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 B conditions.

[9] 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	None	Thermal - above emergency rating	472L (Hughenden 213S - Sunken Lake 221S Tap)	New Violation	None	Real-time operational practices
	None	Thermal - above normal rating	715L (Hansman Lake 650S - 715AL Tap)	New Violation	None	Real-time operational practices
	None	Thermal - above normal rating	749AL (749AL Tap – P2460 Project Substation)	New Violation	None	Real-time operational practices
	None	Thermal - above emergency rating	715AL (715AL Tap - P2540 Tap)	New Violation	None	Real-time operational practices
	Thermal - above normal rating	Thermal - above emergency rating	7L760 (Oyen 767S - P2421 Tap)	Materially increased violation	Real-time operational practices	Real-time operational practices
	Thermal - above normal rating	Thermal - above normal rating	7L132 (Oyen 767S - Lanfine 959S)	Materially increased violation	Real-time operational practices	Real-time operational practices
	Thermal - above normal rating	Thermal - above emergency rating	7L760 (P2421 Tap - KSP Tap)	Materially increased violation	Real-time operational practices	Real-time operational practices
	Thermal - above normal rating	Thermal - above normal rating	7L760 (KSP Tap - Empress Liquids 164S)	Materially increased violation	Real-time operational practices	Real-time operational practices
2028 Summer Peak	None	Thermal - above normal rating	472L (Metiskow 648S - 472AL Sunken Lake)	New Violation	None	Real-time operational practices
	None	Thermal - above emergency rating	472L (Hughenden 213S - Sunken Lake 221S Tap)	New Violation	None	Real-time operational practices
	None	Thermal - above normal rating	715L (Hansman Lake 650S - 715AL Tap)	New Violation	None	Real-time operational practices
	None	Thermal - above emergency rating	749AL (749AL Tap - P2460 Project Substation)	New Violation	None	Real-time operational practices
	None	Thermal - above emergency rating	715AL (715AL Tap - P2540 Tap)	New Violation	None	Real-time operational practices
	Thermal - above emergency rating	Thermal - above emergency rating	7L760 (Oyen 767S – P2421 Tap)	Materially increased violation	Real-time operational practices	Real-time operational practices
	Thermal - above emergency rating	Thermal - above emergency rating	7L132 (Oyen 767S - Lanfine 959S)	Materially increased violation	Real-time operational practices	Real-time operational practices
	Thermal - above emergency rating	Thermal - above emergency rating	7L760 (P2421 Tap - KSP Tap)	Materially increased violation	Real-time operational practices	Real-time operational practices
	Thermal - above emergency rating	Thermal - above emergency rating	7L760 (KSP Tap - Empress Liquids 164S)	Materially increased violation	Real-time operational practices	Real-time operational practices
2028 Winter Peak	None	Thermal - above emergency rating	749AL (749AL Tap - P2460 Project Substation)	New Violation	None	Real-time operational practices

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 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 Peak (SP) and Summer Light (SL) scenarios.

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

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 criteria violations under Category B conditions (i.e., loss of a single system element); see Attachment A Table A-1: Summary of Category B Reliability Criteria Violations, Project Impact and Mitigation Measures- All Scenarios.

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 on the 138/144 kV transmission lines 7L760 and 7L132 were exacerbated after the connection of the Project. New thermal criteria violations on the 138 kV transmission lines 472L, 715L, 749AL, and 715AL were observed in the SP and SP scenarios and a new thermal criteria violation on the 138 kV transmission line 749AL was observed in the Winter Peak scenario.

A summary of thermal criteria violations observed under N-0 system conditions in the Summer Peak scenarios are shown in Table 5-2, the Summer Light 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 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 - 472AL Tap)	121.00	133.00	105.30	87.00	127.10	105.10	18.10
472L (Hughenden 213S - 472AL Tap)	84.00	92.00	72.50	86.30	94.60	112.60	26.30
715L (Hansman Lake 650S - 715AL Tap)	98.00	135.00	92.00	94.00	125.00	127.60	33.20

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	
749AL (749AL Tap - P2460 Project Substation)	120.90	133.00	46.80	38.70	160.20	132.40	93.70
715AL (715AL Tap - P2540 TapTap)	98.00	108.00	92.50	94.40	125.10	127.70	33.30
7L760 (Oyen 767S - P2421 Tap)	110.20	122.70	155.27	140.90	160.78	145.9	5.00
7L132 (Lanfine 959S - Oyen 767S)	112.12	138.00	155.93	139.10	161.65	144.2	5.10
7L760 (P2421 Tap - KSP Tap)	110.20	122.70	154.28	140.00	159.79	145	5.00
7L760 (KSP Tap - Empress Liquids 164S)	110.20	122.70	145.80	132.30	151.31	137.3	5.00

Table 5-3: 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	
472L (Hughenden 213S - Sunken Lake 472ALTap)	84.00	92.00	68.90	82.10	91.20	108.60	26.50
715L (Hansman Lake 650S - 715AL Tap)	98.00	135.00	75.00	76.50	108.00	110.20	33.70
749AL (749AL Tap - P2460 Project Substation)	120.90	133.00	31.10	25.70	151.50	125.20	99.50
715AL (715AL Tap - P2540 TapTap)	98.00	108.00	75.00	76.50	108.00	110.20	33.70
7L760 (Oyen767S - P2421 Tap)	110.20	122.70	118.69	107.70	124.09	112.60	4.90
7L132 (Lanfine 959S - Oyen 767S)	112.10	138.00	120.40	107.40	126.00	112.40	5.00
7L760 (7L760Tap - KSP Tap)	110.20	122.70	117.58	106.70	123.09	111.70	5.00

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 (KSP_Tap - Empress Liquids 164S)	110.20	122.70	115.82	105.10	121.33	110.10	5.00

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	
749AL (749AL Tap - P2460 Project Substation)	148.00	163.00	49.00	33.10	171.98	116.20	83.10

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, most 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 pre-Project and post-Project.

5.4.1 Pre-Project

The Category A thermal reliability criteria violations observed on the 138/144 kV transmission lines 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 until such a time that system developments are in place to alleviate congestion.

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 using existing RASs 134, 200, 203, 211, and 238.

5.4.2 Post-Project

The Category A thermal reliability criteria violations observed on the 138/144 kV transmission lines 472L, 715L, 715AL, 749AL, 7L760, and 7L132 can be managed by applying the TCM Rule to curtail generation.

After connection of the Project, the thermal criteria violations observed under Category B conditions can be mitigated by using RTOPs, existing RASs 134, 200, 203, 204, 211, 237 and modified RAS 238. Furthermore, certain thermal criteria violations on 749AL, 715L, 748L and 886L can be mitigated by using new RAS 213.

The second stage of the approved CETO project,[10] 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.

5.4.3 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.

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

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 1 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 by using existing RASs 134, 200, 203, 211, 204, 237, modified RAS 238, and new 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 AESO recommends proceeding with the Project using Alternative 1 as the preferred alternative to respond to the Market Participant's request for system access service. Alternative 1 involves adding one switching substation, including two 138 kV circuit breakers, connected to the existing 138 kV transmission line 749AL using an in-and-out configuration and connecting the Facility to the switching substation.

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 Peak	None	Thermal - below emergency rating	885L (Hansman Lake 650S - Metiskow 648S)	749AL (P2460 Project Substation - 267s)	New violation	N/A	Real-time operational practices (RTOP)
	None	Thermal - above emergency rating	748L (Hayter 277S - Killarney Lake 267S)	749AL (P2460 Project Substation - 749AL-Tap)	New violation	N/A	New RAS 213
	Thermal - above emergency rating	Thermal - above emergency rating	7L159 (Ghost Pine 114S - Heatburg 948S)	7L128 (Coyote Lake 963S To P2263 Tap)	Marginally increases violation	Existing RAS 203	Existing RAS 203
	None	Thermal - below emergency rating	9L27 (Cordel 755S - Paintearth 863S)	7L60 (Oyen 767S - P2421 Tap)	New violation	N/A	RTOP
	Thermal - below emergency rating	Thermal - below emergency rating	Nevis 240/138 kV Transformer	7L128 (Coyote Lake 963S To P2263 Tap)	Marginally increases violation	RTOP	RTOP
	None	Thermal - below emergency rating	9L20 (Nevis 766S - Cordel 755S)	7L60 (Oyen 767S - P2421 Tap)	New violation	N/A	RTOP
	Thermal - above emergency rating	Thermal - above emergency rating	7L16 (Heatburg 948S - Nevis 766S)	7L128 (Coyote Lake 963S To P2263 Tap)	Marginally increases violation	Existing RAS 203	Existing RAS 203
	None	Thermal - below emergency rating	953L (Nilrem 574S - Cordel 755S)	7L60 (Oyen 767S - P2421 Tap)	New violation	N/A	RTOP
	Thermal - below emergency rating	Thermal - below emergency rating	7L137 (Rowley 768S - Three Hills 770S)	7L128 (Coyote Lake 963S To P2263 Tap)	Marginally increases violation	RTOP	RTOP
	Thermal - below emergency rating	Thermal - below emergency rating	7L25 (Michichi Creek 802S - Rowley 768S)	7L128 (Coyote Lake 963S To P2263 Tap)	Marginally increases violation	RTOP	RTOP
	Thermal - above emergency rating	Thermal - above emergency rating	9L29 (Oakland 946S - Coyote Lake 963S)	7L159 (Ghost Pine 114S - Heatburg 948S)	Materially increases violation	Existing RAS 134 and RAS 200	Existing RAS 134 and RAS 200
	Thermal - above emergency rating	Thermal - above emergency rating		7L16 (Heatburg 948S - Nevis 766S)	Materially increases violation		
	Thermal - below emergency rating	Thermal - below emergency rating		7L85 (Anderson 801S - Bullpound 803S)	Marginally increases violation		
	Thermal - above emergency rating	Thermal - above emergency rating		7L85 (Parker - Bullpound 803S)	Marginally increases violation		
	Thermal - above emergency rating	Thermal - above emergency rating		801S (Anderson 801S Transformer T1)	Marginally increases violation		
	Thermal - above emergency rating	Thermal - above emergency rating	801S (Anderson 801S Transformer T1)	7L128 (Coyote Lake 963S To P2263 Tap)	Materially increases violation	Existing RAS 203	Existing RAS 203
	Thermal - above emergency rating	Thermal - above emergency rating	Coyote Lake 963S - 901 Transformer	7L159 (Ghost Pine 114S - Heatburg 948S)	Materially increases violation	Existing RAS 134 and RAS 200	Existing RAS 134 and RAS 200
	Thermal - above emergency rating	Thermal - above emergency rating		7L16 (Heatburg 948S - Nevis 766S)	Materially increases violation		
	Thermal - below emergency rating	Thermal - below emergency rating		7L85 (Anderson 801S - Bullpound 803S)	Marginally increases violation		
	Thermal - above emergency rating	Thermal - above emergency rating		7L85 (Parker - Bullpound 803S)	Marginally increases violation		
	Thermal - above emergency rating	Thermal - above emergency rating		801S (Anderson 801S Transformer T1)	Marginally increases violation		
	Thermal - below emergency rating	Thermal - below emergency rating	912L (Nevis 766S - Red Deer 63S)	7L128 (Coyote Lake 963S To P2263 Tap)	Marginally increases violation	RTOP	RTOP
	None	Thermal - below emergency rating		7L60 (Oyen 767S - P2421 Tap)	New violation		
	Thermal - below emergency rating	Thermal - below emergency rating	9L62 (Gaetz 87S - Tinchebray 972S)	174L (Bardo 197S - North Holden 395S)	Materially increases violation	RTOP	RTOP
	Thermal - below emergency rating	Thermal - above emergency rating		912L (Nevis 766S - Red Deer 63S)	Materially increases violation		
	Thermal - below emergency rating	Thermal - below emergency rating		9L20 (Nevis 766S - Cordel 755S)	Materially increases violation		
	Thermal - below emergency rating	Thermal - below emergency rating		7L60 (Oyen 767S - P2421 Tap)	Materially increases violation		
	None	Thermal - below emergency rating		7L132 (Oyen 767S - Lanfine 959S)	New violation		
	None	Thermal - below emergency rating	9L933 (Anderson 801S - Ware Junction 132S)	7L60 (Oyen 767S - P2421 Tap)	New violation	N/A	RTOP
	None	Thermal - below emergency rating		7L132 (Oyen 767S - Lanfine 959S)	New violation		
	None	Thermal - below emergency rating		7L60 (Oyen 767S - P2421 Tap)	New violation		
	None	Thermal - below emergency rating		7L132 (Oyen 767S - Lanfine 959S)	New violation		
	None	Thermal - below emergency rating		7L60 (Oyen 767S - P2421 Tap)	New violation		
	None	Thermal - below emergency rating		7L132 (Oyen 767S - Lanfine 959S)	New violation		
	None	Thermal - above emergency rating	398L (Provost 544S - Hayter 277S)	749AL (P2460 Project Substation - 749AL-Tap)	New violation	N/A	New RAS 213
	None	Thermal - below emergency rating	1047L (Hansman Lake 650S - Nilrem 574S)	703L (Hardisty 377S - 703BL Tap)	New violation	N/A	RTOP
	None	Thermal - above emergency rating		472L (Metiskow 648 - Sunken Lake 221S Tap)	New violation		
	None	Thermal - below emergency rating	9L24 (Lanfine 959S - Oakland 946S)	472L (Metiskow 648 - Sunken Lake 221S Tap)	New violation	RAS 204	RAS 204
	Thermal - below emergency rating	Thermal - below emergency rating		7L128 (Coyote Lake 963S To P2263 Tap)	Marginally increases violation		
	Thermal - above emergency rating	Thermal - above emergency rating		7L60 (Oyen 767S - P2421 Tap)	Materially increases violation		
	Thermal - above emergency rating	Thermal - above emergency rating		7L132 (Oyen 767S - Lanfine 959S)	Materially increases violation		
	None	Thermal - below emergency rating	749AL-Tap (Edgerton 8995S - Metiskow 648S)	398L (Provost 544S - Prairie Yarrow MPC Tap)	New violation	N/A	New RAS 213
	None	Thermal - above emergency rating		715L (Provost 545S - P2540 Tap)	New violation		
	None	Thermal - above emergency rating		748L (Hayter 277S - Killarney Lake 267S)	New violation		
	None	Thermal - above emergency rating		749AL (P2460 Project Substation - 749AL-Tap)	New violation		
	None	Thermal - below emergency rating		398L (BlueEarth Prairie MPC Wind - Hayter 277S)	New violation		
	None	Thermal - above emergency rating		715L (Hansman Lake 650S- 715AL 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					
2028 Summer Light	None	Thermal - above emergency rating		715L (715AL Tap - P2540 Tap)	New violation		
	None	Thermal - above emergency rating	Killarney 138/25 kV 267ST1 Transformer	749AL (P2460 Project Substation - 749AL-Tap)	New violation	N/A	New RAS 213
	None	Thermal - above emergency rating	Provost Transformer 545S_T1	749AL (P2460 Project Substation - 749AL-Tap)	New violation	N/A	New RAS 213
	None	Thermal - above emergency rating	Hayter 277S Transformer _T1	749AL (P2460 Project Substation - 749AL-Tap)	New violation	N/A	New RAS 213
	None	Thermal - above emergency rating	Hayter 277S Transformer _T2	749AL (P2460 Project Substation - 749AL-Tap)	New violation	N/A	New RAS 213
	None	Thermal - below emergency rating	Metiskow 648S_T1	715L (Hansman - 715AL Tap)	New violation	N/A	Existing RAS 237
	None	Thermal - above emergency rating		715L (715AL Tap - P2540 Tap)	New violation		
	None	Thermal - below emergency rating	PaintEarth 863S 901T/902T	7L60 (Oyen 767S - P2421 Tap)	New violation	N/A	RTOP
	None	Thermal - below emergency rating	885L (Metiskow 648S - Hansman 650ST1)	749L (Metiskow 648S - Killarney Lake tap)	New violation	N/A	New RAS 213
	None	Thermal - above emergency rating		749AL (P2460 Project Substation - 749AL-Tap)	New violation		
	Thermal - below emergency rating	Thermal - below emergency rating	EATL	174L (Bardo 197S - North Holden 395S)	Materially increases violation	N/A	RTOP
	None	Thermal - below emergency rating	885L (Hansman Lake 650S - Metiskow 648S)	886L (P2460 Project Substation - 267s)	New violation	N/A	RTOP
	None	Thermal - above emergency rating	748L (Hayter 277S - Killarney Lake 267S)	749AL (P2460 Project Substation - 749AL-Tap)	New violation	N/A	New RAS 213
	None	Thermal - below emergency rating	9L27 (Cordel 755S - Paintearth 863S)	7L60 (Oyen 767S - P2421 Tap)	New violation	N/A	RTOP
	None	Thermal - below emergency rating		7L132 (Oyen 767S - Lanfine 959S)	New violation		
	None	Thermal - above emergency rating	953L (Nilrem 574S - Cordel 755S)	704L (Wainwright 51S - Tucuman 478S)	New violation	N/A	Existing RAS 211
	None	Thermal - below emergency rating		7L60 (Oyen 767S - P2421 Tap)	New violation		
	None	Thermal - below emergency rating	Killarney 138/25 kV 267ST1 Transformer	886L (P2460 Project Substation - 267s)	New violation	N/A	RTOP
	None	Thermal - below emergency rating	912L (Nevis 766S - Red Deer 63S)	7L60 (Oyen 767S - P2421 Tap)	New violation	N/A	RTOP
	None	Thermal - below emergency rating	9L62 (Gaetz 87S - Tinchebray 972S)	174L (Bardo 197S - North Holden 395S)	New violation	N/A	RTOP
	Thermal - below emergency rating	Thermal - below emergency rating		912L (Nevis 766S - Red Deer 63S)	Materially increases violation	RTOP	
	Thermal - below emergency rating	Thermal - below emergency rating		9L20 (Nevis 766S - Cordel 755S)	Materially increases violation	RTOP	
	None	Thermal - below emergency rating		7L60 (Oyen 767S - P2421 Tap)	New violation	N/A	
	None	Thermal - below emergency rating		7L132 (Oyen 767S - Lanfine 959S)	New violation	N/A	
	None	Thermal - below emergency rating	9L933 (Anderson 801S - Ware Junction 132S)	7L60 (Oyen 767S - P2421 Tap)	New violation	N/A	RTOP
	None	Thermal - below emergency rating		7L132 (Oyen 767S - Lanfine 959S)	New violation	N/A	
	None	Thermal - below emergency rating		7L60 (Oyen 767S - P2421 Tap)	New violation	N/A	
	None	Thermal - below emergency rating		7L132 (Oyen 767S - Lanfine 959S)	New violation	N/A	
	None	Thermal - below emergency rating		7L60 (Oyen 767S - P2421 Tap)	New violation	N/A	
	None	Thermal - below emergency rating		7L132 (Oyen 767S - Lanfine 959S)	New violation	N/A	
	None	Thermal - above emergency rating	398L (Provost 544S - Hayter 277S)	749AL (P2460 Project Substation - 749AL-Tap)	New violation	N/A	New RAS 213
	None	Thermal - below emergency rating	1047L (Hansman Lake 650S - Nilrem 574S)	703L (Hardisty 377S - 703BL Tap)	New violation	N/A	Modified RAS 238
	None	Thermal - above emergency rating		472L (Metiskow 648 - Sunken Lake 221S Tap)	New violation	N/A	
	None	Thermal - below emergency rating		472L (Hughenden 213S - Sunken Lake 221S Tap)	New violation	N/A	
	Thermal - above emergency rating	Thermal - above emergency rating	9L24 (Lanfine 959S - Oakland 946S)	7L60 (Oyen 767S - P2421 Tap)	Materially increases violation	RAS 204	RAS 204
	Thermal - above emergency rating	Thermal - above emergency rating		7L132 (Oyen 767S - Lanfine 959S)	Materially increases violation		
	None	Thermal - below emergency rating	749AL-Tap (Edgerton 8995S - Metiskow 648S)	398L (Provost 544S - Prairie Yarrow MPC Tap)	New violation	N/A	RTOP
	None	Thermal - below emergency rating		715L (Provost 545S - P2540 Tap)	New violation		
	None	Thermal - below emergency rating		748L (Hayter 277S - Killarney Lake 267S)	New violation		
	None	Thermal - below emergency rating		886L (P2460 Project Substation - 267s)	New violation		
	None	Thermal - below emergency rating		398L (BlueEarth Prairie MPC Wind - Hayter 277S)	New violation		
	None	Thermal - below emergency rating		704L (Wainwright 51S - Tucuman 478S)	New violation		
	None	Thermal - below emergency rating		715L (Hansman - 715AL Tap)	New violation		
	None	Thermal - below emergency rating		715L (715AL Tap - P2540 Tap)	New violation		
	None	Thermal - above emergency rating	Provost Transformer 545S_T1	749AL (P2460 Project Substation - 749AL-Tap)	New violation	N/A	New RAS 213

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 emergency rating	Hayter 277S Transformer _T1	749AL (P2460 Project Substation - 749AL-Tap)	New violation	N/A	New RAS 213
	None	Thermal - above emergency rating	Hayter 277S Transformer _T2	749AL (P2460 Project Substation - 749AL-Tap)	New violation	N/A	New RAS 213
	None	Thermal - below emergency rating	PaintEarth 863S -901T_902T	7L60 (Oyen 767S - P2421 Tap)	New violation	N/A	RTOP
	None	Thermal - below emergency rating		7L132 (Oyen 767S - Lanfine 959S)	New violation	N/A	RTOP
	None	Thermal - below emergency rating	885L (Metiskow 648S - Hansman 650S)	749AL (P2460 Project Substation - 267s)	New violation	N/A	RTOP
	None	Thermal - below emergency rating	EATL	704L (Wainwright 51S - Tucuman 478S)	New violation	N/A	RTOP
	None	Thermal - below emergency rating		749AL (P2460 Project Substation - 267s)	New violation		
	Thermal - above emergency rating	Thermal - below emergency rating	666L (Hansman Lake 650S - Pemukan 932S)	7L224 (Hansman Lake 650S - Monitor 774S)	Materially reduces violation	RTOP	RTOP
	Thermal - below emergency rating	Thermal - below emergency rating		7L127 (Monitor 774S - Pemukan 932S)	Materially reduces violation		
	None	Thermal - below emergency rating	7L42 (Lloydminster 716S - Hill 751S)	704L (Wainwright 51S - Tucuman 478S)	New violation	N/A	RTOP
	None	Thermal - below emergency rating	9L27 (Cordel 755S - Paintearth 863S)	703L (Hardisty 377S - 703BL Tap)	New violation	N/A	RTOP
	None	Thermal - above emergency rating	9L20 (Nevis 766S - Cordel 755S)	7L16 (Heatburg 948S - Nevis 766S)	New violation	RTOP (CETO Stage 2)	RTOP (CETO Stage 2)
	Thermal - above emergency rating	Thermal - above emergency rating		9L62 (Gaetz 87S - Tinchebray 972S)	Materially increases violation		
	Thermal - below emergency rating	Thermal - above emergency rating	953L (Nilrem 574S - Cordel 755S)	704L (Wainwright 51S - Tucuman 478S)	Materially increases violation	RTOP	Existing RAS 211
	Thermal - above emergency rating	Thermal - above emergency rating	9L29 (Oakland 946S - Coyote Lake 963S)	7L16 (Heatburg 948S - Nevis 766S)	Materially increases violation	RTOP	RTOP
	Thermal - above emergency rating	Thermal - above emergency rating	7L171 (Michichi Creek 802S - Wintering Hills 804S)	801S (Anderson 801S Transformer T1)	Marginally increases violation	RTOP	RTOP
	None	Thermal - below emergency rating	9L80 (Battle River 757S - Cordel 755S)	704L (Wainwright 51S - Tucuman 478S)	New violation	N/A	RTOP
	Thermal - above emergency rating	Thermal - above emergency rating	Coyote Lake 963S - 901 Transformer	7L16 (Heatburg 948S - Nevis 766S)	Materially increases violation	RTOP	RTOP
	Thermal - below emergency rating	Thermal - below emergency rating	912L (Nevis 766S - Red Deer 63S)	174L (Bardo 197S - North Holden 395S)	Materially increases violation	RTOP	RTOP
	Thermal - above emergency rating	Thermal - above emergency rating		9L62 (Gaetz 87S - Tinchebray 972S)	Materially increases violation		
	Thermal - below emergency rating	Thermal - above emergency rating	9L62 (Gaetz 87S - Tinchebray 972S)	174L (Bardo 197S - North Holden 395S)	Materially increases violation	RTOP	RTOP
	Thermal - below emergency rating	Thermal - above emergency rating		701L (North Hoden 395S - Strome 223S)	Materially increases violation		
	None	Thermal - below emergency rating		704L (Wainwright 51S - Tucuman 478S)	New violation		
	Thermal - above emergency rating	Thermal - above emergency rating		912L (Nevis 766S - Red Deer 63S)	Materially increases violation		
	Thermal - above emergency rating	Thermal - above emergency rating		9L20 (Nevis 766S - Cordel 755S)	Materially increases violation		
	None	Thermal - below emergency rating	398L (Provost 544S - Hayter 277S)	886L (P2460 Project Substation - 267s)	New violation	N/A	RTOP
	None	Thermal - below emergency rating	7L749 (Edgerton 899S - Lloydminster 716S)	703L (Hardisty 377S - 703BL Tap)	New violation	N/A	RTOP
	None	Thermal - below emergency rating	7L749 (Edgerton 899S - Lloydminster 716S)	704L (Wainwright 51S - Tucuman 478S)	New violation	N/A	RTOP
2028 Winter Peak	None	Thermal - below emergency rating	9L24 (Lanfine 959S - Oakland 946S)	703L (Hardisty 377S - 703BL Tap)	New violation	RAS 204	RAS 204
	Thermal - below emergency rating	Thermal - above emergency rating		7L60 (Oyen 767S - P2421 Tap)	Materially increases violation		
	Thermal - above emergency rating	Thermal - above emergency rating		7L132 (Oyen 767S - Lanfine 959S)	Materially increases violation		
	Thermal - below emergency rating	Thermal - above emergency rating	1047L (Hansman Lake 650S - Nilrem 574S)	703L (Hardisty 377S - 703BL Tap)	Materially increases violation	Existing RAS 238	Modified RAS 238
	Thermal - above emergency rating	Thermal - above emergency rating		472L (Metiskow 648 - Sunken Lake 221S Tap)	Materially increases violation		
	None	Thermal - above emergency rating		703L (Hughenden 213S - HRT Express 329S Tap)	New violation		
	Thermal - below emergency rating	Thermal - above emergency rating		472L (Hughenden 213S - Sunken Lake 221S Tap)	Materially increases violation		
	Thermal - below emergency rating	Thermal - below emergency rating	Killarney 138/25 kV 267ST1 Transformer	704L (Wainwright 51S - Tucuman 478S)	Marginally increases violation	RTOP	RTOP
	None	Thermal - below emergency rating	749AL-Tap (Edgerton 8995S - Metiskow 648S)	703L (Hardisty 377S - 703BL Tap)	New violation	RTOP	Existing RAS 237
	None	Thermal - below emergency rating		398L (Provost 544S - Prairie Yarrow MPC Tap)	New violation		
	None	Thermal - below emergency rating		398L (BlueEarth Prairie MPC Wind - Hayter 277S)	New violation		
	Thermal - below emergency rating	Thermal - above emergency rating		704L (Wainwright 51S - Tucuman 478S)	Materially increases violation		
	None	Thermal - above emergency rating		715L (Hansman - 715AL Tap)	New violation		
	None	Thermal - above emergency rating		715L (715AL Tap - P2540 Tap)	New violation		
	None	Thermal - below emergency rating	Edgerton 899S_T3	703L (Hardisty 377S - 703BL Tap)	New violation	N/A	RTOP
	None	Thermal - below emergency rating	Edgerton 899S_T3	704L (Wainwright 51S - Tucuman 478S)	New violation	N/A	RTOP
	None	Thermal - below emergency rating	7LB749/880S_Tap (Edgerton 899S - Lloydminister 716S)	703L (Hardisty 377S - 703BL Tap)	New violation	N/A	RTOP
	None	Thermal - below emergency rating		704L (Wainwright 51S - Tucuman 478S)	New violation		
	None	Thermal - below emergency rating	Provost Transformer 545S_T1	886L (P2460 Project Substation – Killarney Lake 267s)	New violation	N/A	RTOP
	None	Thermal - below emergency rating	Hayter 277S Transformer _T1	703L (Hardisty 377S - 703BL Tap)	New violation	N/A	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 emergency rating	885L (Metiskow 648S - Hansman 650ST1)	749AL (P2460 Project Substation- 749AL-Tap)	New violation	N/A	New RAS 213
	Thermal - below emergency rating	Thermal - below emergency rating	EATL	174L (Bardo 197S - North Holden 395S)	Materially increases violation	RTOP	RTOP
	None	Thermal - below emergency rating		701L (North Hoden 395S - Strome 223S)	New violation		
	Thermal - below emergency rating	Thermal - above emergency rating		704L (Wainwright 51S - Tucuman 478S)	Materially increases violation		
	Thermal - above emergency rating	Thermal - above emergency rating		7L16 (Heatburg 948S - Nevis 766S)	Materially increases violation		
	Thermal - above emergency rating	Thermal - above emergency rating		9L62 (Gaetz 87S - Tinchebray 972S)	Materially increases violation		
	Thermal - above emergency rating	Thermal - above emergency rating		9L59AL (Tinchebray 972S - Garden Plain 1045S)	Marginally increases violation		

Notes:

- Marginally increased (or marginally decreased) refers - 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 - a percent loading difference (post-Project percent loading minus pre-Project percent loading) above or equal - 3% (or below or equal - -3%).
- RAS 204 is a proposed RAS for P2356 - mitigate overload on on 7L760/760L (Oyen 767S substation - Bindloss 914S) and 7L132 (Oyen 767S substation - 959S Lanfine substation)

Appendix A
Engineering Connection Assessment Results

Engineering Connection Assessment: Study Results

P2460 ABO Fox Meadows Wind

ABO Wind Canada Ltd.

Date: August 18, 2025

Version: V1

Role	Name	Date	Signature
Prepared	Osaid Abdullah, Engineer-In-Training	2025-08-18	
Reviewed	Akashdeep Gill, Engineer-In-Training	2025-08-18	
Approved	Yani Jazayeri, P. Eng.	Aug 19, 2025	

PROFESSIONAL ENGINEER ALBERTA
POUYAN JAZAYERI

Aug 19, 2025
Member # 74277

PERMIT TO PRACTICE
HARDLINE ENGINEERING LTD.
RM SIGNATURE:
RM APEGA ID #: 67782
DATE: 2025-08-19
PERMIT NUMBER: P014024
The Association of Professional Engineers and Geoscientists of Alberta (APEGA)

Contents

1 Introduction 1
2 Pre-Project Study Results 2
2.1 Power Flow Studies 2
2.1.1 Scenario 1: 2028 Summer Light High Generation Pre-Project. 2
2.1.2 Scenario 2: 2028 Summer Peak High Generation Pre-Project 4
2.1.3 Scenario 3: 2028 Winter Peak High Generation Pre-Project 6
3 Post-Project Study Results 9
3.1 Power Flow Studies 9
3.1.1 Scenario 5: 2028 Summer Light High Generation Post-Project 9
3.1.2 Scenario 6: 2028 Summer Peak High Generation Post-Project 14
3.1.3 Scenario 7: 2028 Winter Peak High Generation Post-Project 21
3.2 Transient Stability Studies 25
4 Short Circuit Studies 29
4.1 Pre-Project Results 29
4.1.1 Scenario 3: 2028 WP HG pre-Project 29
4.2 Post-Project Results 30
4.2.1 Scenario 7: 2028 WP HG Post-Project 30
4.2.2 Scenario 8: 2033 WP HG Post-Project 30
5 Mitigation Measure Development and Evaluation 32
5.1 Pre-Project 32
5.2 Post-Project 34
5.3 Evaluation of Mitigation Measures 39
5.3.1 Scenario 5: Post-Project 2028 High Generation Summer Light 40
5.3.2 Scenario 6: Post-Project 2028 High Generation Summer Peak 41
5.3.3 Scenario 7: Post-Project 2028 High Generation Winter Peak 43
5.4 Constraint Effective Factor Studies 45

Tables

Table 2-1: Thermal Criteria Violations under Category A Conditions for Scenario 1 3
Table 2-2: Thermal Criteria Violations under Category B Conditions for Scenario 1 3
Table 2-3: Thermal Criteria Violations under Category A Conditions for Scenario 2 4
Table 2-4: Thermal Criteria Violations under Category B Conditions for Scenario 2 5
Table 2-5: Thermal Criteria Violations under Category B Conditions for Scenario 3 7
Table 3-1: Thermal Criteria Violations under Category A Conditions for Scenario 5 10
Table 3-2: Post-Project Thermal Criteria Violations Under Category A Conditions for Scenario 5 10
Table 3-3: Thermal Criteria Violations under Category B Conditions for Scenario 5 11
Table 3-4: Thermal Criteria Violations under Category A Conditions for Scenario 6 15
Table 3-5: Post-Project Thermal Criteria Violations Under Category A Conditions for Scenario 6 16
Table 3-6: Thermal Criteria Violations under Category B Conditions for Scenario 6 16
Table 3-7: Thermal Criteria Violations under Category A Conditions for Scenario 7 21
Table 3-8: Post-Project Thermal Criteria Violations Under Category A Conditions for Scenario 7 21
Table 3-9: Thermal Criteria Violations under Category B Conditions for Scenario 7 21
Table 3-10: Transient Stability Study Results under Category B Conditions for Scenario 5 25
Table 3-11 Transient Stability Study Results under Category B Conditions for Scenario 6 26
Table 3-12 Transient Stability Study Results under Category B Conditions for Scenario 7 27
Table 4-1: Pre-Project Short-Circuit Current Levels for Scenario 3 WP HG..... 29
Table 4-2: Post-Project Short-Circuit Current Levels for Scenario 7 WP HG 30
Table 4-3: Post-Project Short-Circuit Current Levels for Scenario 8 WP HG 30
Table 5-1: Pre-Project Mitigation Measures..... 32
Table 5-2: Pre-Project Mitigation Measures..... 34
Table 5-3: Post-RAS Power Flow Study Results For Scenario 5 40
Table 5-4: Post-RAS Power Flow Study Results for Scenario 6 41
Table 5-5: Post-RAS Power Flow Study Results for Scenario 7 43

Attachments

Attachment A1 Engineering Connection Assessment: Study Scope

Attachment A2 Pre-Project Power Flow Diagrams

Attachment A3 Post-Project Power Flow Diagrams

Attachment A4 Post-Project Transient Stability Diagrams

Attachment A5 Dynamic Data and Assumptions

Attachment A6 Post-Mitigation Power Flow Diagrams

Attachment A7 Constraint Effective Factors Table

1 Introduction

This report presents the results of the engineering studies that were completed by Hardline Engineering Ltd. (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 violations were observed under Category A conditions in the 2028 SL pre-project & post-project scenario. Hence, Category A curtailments were conducted prior to the Category B studies. The most effective generators were scaled down to mitigate overloads.

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

Generator Name	**From (MW)**	**To (MW)**
Lanfine Wind (LAN1)	103.00	74.00
UK Solar East MPC/P2611	313.60	239.40
Cache Rising Sun MPC Solar / P2540	97.70	22.00
Fortis Aura Provost DER Solar / P2574	18.00	2.00
Bull Creek Phase 1	2.90	1.00
Bull Creek Phase 2	5.00	1.00
Fortis Alberta Killarney Lake 267S DER Solar/Battery Storage	18.00	2.00
Total Curtailed Generation (MW)	216.80	

Thermal criteria violations under Category A conditions after generation curtailment for Scenario 1 are shown in Table 2-1 below:

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

Violation Location Details	Seasonal Continuous Rating (MVA)[a]	Pre-Project Results (Pre-Curtailment)		Pre-Project Results (Post-Curtailment)	
		Power Flow[b] (MVA)	% Loading[c]	Power Flow[b] (MVA)	% Loading[c]
7L760 (Oyen 767S to P2421 Tap)	110.20	118.69	107.70	101.70	92.30
7L132 (Lanfine 959S to Oyen 767S)	112.12	120.42	107.40	102.00	91.00
7L760 (P2421 Tap to KSP Tap)	110.20	117.58	106.70	100.7	91.40
7L760 (KSP Tap to Empress Liquids164S)	110.20	115.82	105.10	99.00	89.90

Notes:

[a] The facility ratings shown in Attachment A1 have been adjusted from a [72/144] kV voltage base to a [69/138] kV voltage base, as is used by the power system network analysis tool.

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

[c] 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), as shown in Attachment A1.

Category B Conditions

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

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

Contingency (System Element Lost)	Violation Location Details	Thermal Ratings[a] (MVA)		Pre-Project Results	
		Normal Rating	Emergency Rating	Power Flow[b] (MVA)	% Loading[c]
9L62 (Gaetz to 972S Tinchebray)	912L (Nevis 766S to Red Deer 63S)	507.00	608.00	545.24	107.54
	9L20 (Nevis 766S to Cordel 755S)	429.00	624.00	508.21	118.46
9L24 (Lanfine 959S to Oakland 946S)	7L60 (Oyen 767S to P2421 Tap)	110.20	122.70	201.37	182.73
	7L132 (Oyen 767S to Lanfine 959S)	112.12	138.00	210.17	187.45

Voltage Criteria Violations

No voltage criteria violations were observed under Category B conditions.

POD Bus Voltage Deviations

No POD bus voltage deviations were observed.

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

Category A Condition

Thermal criteria violations were observed under Category A conditions in the 2028 SP post-Project scenario. Hence, Category A curtailments were conducted prior to the Category B studies. The most effective generators were scaled down to mitigate overloads.

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

Generator Name	From (MW)	To (MW)
Lanfine Wind (LAN1)	138.00	5.10
UK Solar East MPC/P2611	312.00	10.80
Fortis Aura Provost DER Solar / P2574	11.00	2.00
Bull Creek Phase 1	10.00	2.00
Bull Creek Phase 2	11.00	2.00
Fortis Alberta Killarney Lake 267S DER Solar/Battery Storage	11.00	2.00
Total Curtailed Generation (MW)	469.10	

Thermal criteria violations under Category A conditions prior to and after generation curtailment for Scenario 2 are shown in Table 2-3 below:

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

Violation Location Details	Seasonal Continuous Rating (MVA)[a]	Pre-Project Results (Pre-Curtailment)		Pre-Project Results (Post-Curtailment)	
		Power Flow[b] (MVA)	% Loading[c]	Power Flow[b] (MVA)	% Loading[c]
7L760 (Oyen 767S to P2421 Tap)	110.20	155.27	140.90	102.00	92.60
7L132 (Lanfine 959S to Oyen 767S)	112.10	155.96	139.10	97.30	86.80

7L760 (RESC Big sky Tap to KSP Tap)	110.20	154.28	140.00	100.90	91.60
7L760 (KSP Tap to Empress Liquids164S)	110.20	145.79	132.30	92.30	83.70

Category B Conditions

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 2

Contingency (System Element Lost)	Violation Location Details	Thermal Ratings[a] (MVA)		Pre-Project Results	
		Normal Rating	Emergency Rating	Power Flow[b] (MVA)	% Loading[c]
801S (Anderson 801S Transformer T1)	7L128 (Coyote Lake 963S to P2263 Tap)	162.90	186.90	202.01	124.01
7L137 (Rowley 768S to Three Hills 770S)	7L128 (Coyote Lake 963S to P2263 Tap)	162.90	186.90	167.57	102.87
7L159 (GhostPine 114S to Heatburg 948S)	7L128 (Coyote Lake 963S to P2263 Tap)	162.90	186.90	196.90	120.87
7L16 (Heatburg 948S to Nevis 766S)	7L128 (Coyote Lake 963S to P2263 Tap)	162.90	186.90	195.42	119.96
7L25 (Michichi Creek 802S to Rowley 768S)	7L128 (Coyote Lake 963S to P2263 Tap)	162.90	186.90	169.12	103.82
912L (Nevis 766S to Red Deer 63S)	7L128 (Coyote Lake 963S to P2263 Tap)	162.90	186.90	165.80	101.78
9L24 (Lanfine 959S to Oakland 946S)	7L128 (Coyote Lake 963S to P2263 Tap)	162.90	186.90	163.87	100.59
	7L60 (Oyen 767S to P2421 Tap)	110.20	122.70	178.04	161.56
	7L132 (Oyen 767S to Lanfine 959S)	112.12	138.00	179.94	160.49
9L29 (Oakland 946S to Coyote Lake 963S)	7L159 (GhostPine 114S to Heatburg 948S)	107.33	118.83	124.17	115.69
	7L16 (Heatburg 948S to Nevis 766S)	107.33	119.79	121.60	113.29
	7L85 (Anderson 801S to Bullpound 803S)	139.00	165.80	153.33	110.31
	7L85 (Parker to Bullpound 803S)	138.00	157.20	160.38	116.22

	801S (Anderson 801S Transformer T1)	125.00	125.00	164.71	131.77
9L62 (Gaetz to 972S Tinchebray)	174L (Bardo 197S to North Holden 395S)	121.00	149.00	130.69	108.91
	912L (Nevis 766S to Red Deer 63S)	507.00	608.00	586.64	115.71
	9L20 (Nevis 766S to Cordel 755S)	429.00	624.00	516.32	120.35
	7L60 (Oyen 767S to P2421 Tap)	110.20	122.70	110.47	100.24
Coyote Lake 963S - 901 Transformer	7L159 (GhostPine 114S to Heatburg 948S)	107.33	118.83	124.16	115.68
	7L16 (Heatburg 948S to Nevis 766S)	107.33	119.79	121.58	113.28
	7L85 (Anderson 801S to Bullpound 803S)	139.00	165.80	153.39	110.35
	7L85 (Parker to Bullpound 803S)	138.00	157.20	160.44	116.26
	801S (Anderson 801S Transformer T1)	125.00	125.00	164.91	131.93
EATL	174L (Bardo 197S to North Holden 395S)	121.00	149.00	122.65	102.21
Nevis 240/138 kV Transformer	7L128 (Coyote Lake 963S to P2263 Tap)	162.90	186.90	172.98	106.19

Voltage Criteria Violations

No voltage criteria violations were observed under Category B conditions.

POD Bus Voltage Deviations

No POD bus voltage deviations were observed.

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

Category A Conditions

No Reliability Criteria violations were observed under Category A conditions.

Category B Conditions

Thermal criteria violations were observed under certain Category B conditions as shown in Table 2-5.

Table 2-5: Thermal Criteria Violations under Category B Conditions for Scenario 3

Contingency (System Element Lost)	Violation Location Details	Thermal Ratings[a] (MVA)		Pre-Project Results	
		Normal Rating	Emergency Rating	Power Flow[b] (MVA)	% Loading[c]
1047L (Hansman Lake 650S to Nilrem 574S)	703L (Hardisty to HRT Express 329S Tap)	96.00	143.00	124.14	129.31
	472L (Metiskow 648S to Sunken Lake 221S Tap)	150.00	165.00	166.21	110.81
	472L (Hughenden 213S to Sunken Lake 221S Tap)	133.00	155.00	133.53	100.30
666L (Hansman Lake 650S to Pemukan 932S)	7L224 (Hansman Lake 650S to Monitor 774S)	143.80	163.90	188.71	131.23
	7L127 (Monitor 774S to Pemukan 932S)	182.08	243.42	219.74	120.69
749L (Edgerton 899S to Metiskow 648S)	704L (Wainwright 51S to Tucuman 478S)	79.00	87.00	80.05	101.33
7L171 (Michichi Creek 802S to Wintering Hills 804S)	801S (Anderson 801S Transformer T1)	125.00	125.00	149.82	119.86
912L (Nevis 766S to Red Deer 63S)	9L62 (Gaetz to Tinchebray 972S)	831.38	831.38	1,026.62	123.48
953L (Nilrem 574S to Cordel 755S)	704L (Wainwright 51S to Tucuman 478S)	79.00	87.00	79.09	100.11
9L20 (Nevis 766S to Cordel 755S)	9L62 (Gaetz to Tinchebray 972S)	831.38	831.38	955.15	114.89
9L24 (Lanfine 959S to Oakland 946S)	7L60 (Oyen 767S to P2421 Tap)	146.60	167.70	162.32	110.73
	7L132 (Oyen 767S to Lanfine 959S)	140.88	171.54	181.94	129.15
9L29 (Oakland 946S to Coyote Lake 963S)	7L16 (Heatburg 948S to Nevis 766S)	127.46	127.46	127.85	100.31
9L62 (Gaetz to Tinchebray 972S)	174L (Bardo 197S to North Holden 395S)	133.00	164.00	163.42	112.71
	701L (North Holden 395S to Strome 223S)	146.00	161.00	152.90	104.72
	912L (Nevis 766S to Red Deer 63S)	624.00	624.00	856.46	137.25
	9L20 (Nevis 766S to Cordel 755S)	540.00	624.00	751.30	139.13
	9L16 (Cordel 755S to P2441 Tap)	660.00	663.00	542.55	108.73

EATL	174L (Bardo 197S to North Holden 395S)	133.00	164.00	145.04	100.03
	704L (Wainwright 51S to Tucuman 478S)	79.00	87.00	81.50	103.17
	7L16 (Heatburg 948S to Nevis 766S)	127.46	127.46	130.38	102.29
	9L62 (Gaetz to Tinchebray 972S)	831.38	831.38	930.79	111.96
	9L59AL (Tinchebray 972S to Garden Plain 1045S)	499.00	499.00	521.96	104.60

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 Post-Project Study Results

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

As described in Section 2 of Attachment A1, the post-Project studies were performed using Alternative 1, which is an In-and Out connection to the existing 138kV Transmission line 749AL.

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 5: 2028 Summer Light High Generation Post-Project

Category A Conditions

Thermal criteria violations were observed under Category A conditions in the 2028 SP post-Project scenario. Hence, Category A curtailments were conducted prior to the Category B studies. The most effective generators were scaled down to mitigate overloads.

Updated generation dispatch values for Scenario 5 are shown in the table below:

Generator Name	**From (MW)**	**To (MW)**
Lanfine Wind (LAN1)	103.00	74.00
UK Solar East MPC/P2611	313.60	239.40
Cache Rising Sun MPC Solar / P2540	97.70	22.00
Fortis Aura Provost DER Solar / P2574	18.00	2.00
Bull Creek Phase 1	2.90	1.00
Bull Creek Phase 2	5.00	1.00
Fortis Alberta Killarney Lake 267S DER Solar/Battery Storage	18.00	2.00
Total Curtailed Generation (MW)	216.80	

Thermal criteria violations were observed Category A conditions. Thermal criteria violations under Category A conditions prior to generation curtailment for Scenario 5 and its corresponding pre-Project scenario (Scenario 1) are shown in Table 3-1 below:

Table 3-1: Thermal Criteria Violations under Category A Conditions for Scenario 5

Violation Location Details	Seasonal Continuous Rating (MVA)[a]	Emergency Rating (MVA)[a]	Pre-Project Results (Pre-Curtailment)		Post-Project Results (Pre-Curtailment)		% Loading Difference (Post-Pre)
			Power Flow[b] (MVA)	% Loading[c]	Power Flow[b] (MVA)	% Loading[c]	
715L (Hansman Lake 650S to 715AL Tap)	98.00	135.00	75.00	76.50	108.00	110.20	33.70
749AL (749AL Tap to Spalding 1059S)	120.90	133.00	31.10	25.70	151.50	125.20	99.50
715AL (715AL Tap to Rising Sun Solar Tap)	98.00	108.00	75.00	76.50	108.00	110.20	33.70
7L760 (Oyen 767S to P2421 Tap)	110.20	122.70	118.69	107.70	124.09	112.60	4.90
7L132 (Lanfine 959S to Oyen 767S)	112.10	138.00	120.40	107.40	126.00	112.40	5.00
7L760 (7L760Tap to KSP Tap)	110.20	122.70	117.58	106.70	123.09	111.70	5.00
7L760 (KSP Tap to Empress Liquids 164S)	110.20	122.70	115.82	105.10	121.33	110.10	5.00

Thermal criteria violations under Category A conditions prior to and after generation curtailment for Scenario 5 are shown in Table 3-2 below:

Table 3-2: Post-Project Thermal Criteria Violations Under Category A Conditions for Scenario 5

Violation Location Details	Seasonal Continuous Rating (MVA)[a]	Post-Project Results (Pre-Curtailment)		Post-Project Results (Post-Curtailment)	
		Power Flow[b] (MVA)	% Loading[c]	Power Flow[b] (MVA)	% Loading[c]
715L (Hansman Lake 650S to 715AL Tap)	98.00	108.00	110.20	13.30	13.60
749AL (749AL Tap to Spalding 1059S)	120.90	151.50	125.20	118.40	97.90
715AL (715AL Tap to P2540 Tap)	98.00	108.00	110.20	13.30	13.60
7L760 (Oyen 767S to P2421 Tap)	110.20	124.09	112.60	107.10	97.20
7L132 (Lanfine 959S to Oyen 767S)	112.10	126.00	112.40	107.50	95.90
7L760 (P2421 Tap to KSP Tap)	110.20	123.09	111.70	106.10	96.30
7L760 (KSP Tap to Empress Liquids164S)	110.20	121.33	110.10	104.40	94.80

Category B Conditions

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

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

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	
1047L (Hansman Lake 650S to Nilrem 574S)	703L (Hardisty to HRT Express 329S Tap)	96.00	133.00	78.94	82.23	112.39	117.07	34.84
	472L (Metiskow 648 to Sunken Lake 221S Tap)	121.00	133.00	100.92	83.41	134.74	111.36	27.95
	472L (Hughenden 213S to Sunken Lake 221S Tap)	121.00	150.00	91.66	75.70	125.27	103.50	27.80
398L (Provost 544S to Hayter 277S)	749AL (749AL Tap to Spalding 1059S)	120.95	133.01	28.81	23.82	136.79	113.10	89.27
748L (Hayter 277S to Killarney Lake 267S)	749AL (749AL Tap to Spalding 1059S)	120.95	133.01	11.17	9.23	150.77	124.65	115.42
749L (Edgerton 899S to Metiskow 648S)	398L (Provost 544S to Prarie Yarrow MPC Tap)	120.00	132.00	29.22	24.35	120.00	109.52	85.17
	715L (Provost 545S to Rising Sun Solar Tap)	98.00	108.00	53.03	54.11	98.00	121.34	67.23
	748L (Hayter 277S to Killarney Lake 267S)	119.03	131.00	11.57	9.72	119.03	121.14	111.42

	866L (Spalding 1059S to Killarney Lake 267S)	120.95	133.01	0.59	0.48	120.95	126.32	125.84
	398L (BlueEarth Prarie MPC Wind to Hayter 277S)	120.00	132.00	29.23	24.36	120.00	109.53	85.17
	704L (Wainwright 51S to Tucuman 478S)	75.00	83.00	64.90	86.54	75.00	100.46	13.93
	715L (Hansman Lake 650S to 715AL Tap)	98.00	135.00	29.83	30.44	98.00	111.57	81.13
	715L (715AL Tap to Rising Sun Solar Tap)	98.00	108.00	29.82	30.43	98.00	111.81	81.38
885L (Hansman Lake 650S to Metiskow 648S)	866L (Spalding 1059S to Killarney Lake 267S)	120.95	133.01	13.19	10.90	122.99	101.69	90.79
885L (Metiskow 648S to Hansman 650ST1)	866L (Spalding 1059S to Killarney Lake 267S)	120.95	133.01	28.54	23.59	127.80	105.65	9.87
912L (Nevis 766S to Red Deer 63S)	7L60 (Oyen 767S to P2421 Tap)	110.20	122.70	105.95	96.14	111.21	100.92	4.77
953L (Nilrem 574S to Cordel 755S)	704L (Wainwright 51S to Tucuman 478S)	75.00	83.00	71.23	94.97	83.62	111.49	16.52
	7L60 (Oyen 767S to P2421 Tap)	110.20	122.70	105.06	95.34	110.91	100.64	5.30
9L24 (Lanfine 959S to Oakland 946S)	7L60 (Oyen 767S to P2421 Tap)	110.20	122.70	201.37	182.73	213.21	193.47	10.74
	7L132 (Oyen 767S to Lanfine 959S)	112.12	138.00	210.17	187.45	222.00	198.00	10.55

9L27 (Cordel 755S to Paintearth 863S)	7L60 (Oyen 767S to P2421 Tap)	110.20	122.70	105.98	96.17	111.81	101.46	5.29
	7L132 (Oyen 767S to Lanfine 959S)	112.12	138.00	107.15	95.56	112.50	100.34	4.78
9L62 (Gaetz to Tinchebray 972S)	174L (Bardo 197S to North Holden 395S)	121.00	149.00	110.39	91.99	125.24	104.37	12.38
	912L (Nevis 766S to Red Deer 63S)	507.00	608.00	545.24	107.54	605.29	119.39	11.84
	9L20 (Nevis 766S to Cordel 755S)	429.00	624.00	508.21	118.46	562.91	131.21	12.75
	7L60 (Oyen 767S to P2421 Tap)	110.20	122.70	109.99	99.81	115.67	104.97	5.16
	7L132 (Oyen 767S to Lanfine 959S)	112.12	138.00	109.97	98.08	115.12	102.68	4.60
9L933 (Anderson 801S to Ware Junction 132S)	7L60 (Oyen 767S to P2421 Tap)	110.20	122.70	108.42	98.38	113.18	102.71	4.32
	7L132 (Oyen 767S to Lanfine 959S)	112.12	138.00	108.54	96.81	112.74	100.55	3.74
9L934 (Anderson 801S to Ware Junction 132S)	7L60 (Oyen 767S to P2421 Tap)	110.20	122.70	108.42	98.38	113.18	102.71	4.32
	7L132 (Oyen 767S to Lanfine 959S)	112.12	138.00	108.55	96.81	112.74	100.55	3.74
9L950 (Anderson 801S to Ware Junction 132S)	7L60 (Oyen 767S to P2421 Tap)	110.20	122.70	108.37	98.34	113.13	102.66	4.32
	7L132 (Oyen 767S to Lanfine 959S)	112.12	138.00	108.49	96.77	112.69	100.51	3.74
EATL	704L (Wainwright 51S to Tucuman 478S)	75.00	83.00	67.60	90.14	76.12	101.50	11.36

	866L (Spalding 1059S to Killarney Lake 267S)	120.95	133.01	11.36	9.39	120.95	100.00	90.61
Hayter 277S Transformer_T1	749AL (749AL Tap to Spalding 1059S)	120.95	133.01	11.16	9.23	150.87	124.74	100.94
Hayter 277S Transformer_ T2	749AL (749AL Tap to Spalding 1059S)	120.95	133.01	20.17	16.67	143.99	119.05	109.82
Killarney 138/25 kV 267ST1 Transformer	866L (Spalding 1059S to Killarney Lake 267S)	120.95	133.01	0.61	0.50	123.50	102.11	101.61
Paintearth 863S -901T_902T	7L60 (Oyen 767S to P2421 Tap)	110.20	122.70	106.21	96.38	112.04	101.67	27.10
	7L132 (Oyen 767S to Lanfine 959S)	112.12	138.00	107.39	95.78	112.74	100.55	4.17
Provost Transformer 545S_T1	749AL (749AL Tap to Spalding 1059S)	120.95	133.01	28.78	23.80	136.95	113.23	112.72

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 6: 2028 Summer Peak High Generation Post-Project

Thermal criteria violations were observed under Category A conditions in the 2028 SP post-Project scenario. Hence, Category A curtailments were conducted prior to the Category B studies. The most effective generators were scaled down to mitigate overloads. Updated generation dispatch values for Scenario 6 are shown in the table below:

Generator Name	**From (MW)**	**To (MW)**
Lanfine Wind (LAN1)	138.00	5.10
UK Solar East MPC/P2611	312.00	10.80

Generator Name	From (MW)	To (MW)
Fortis Aura Provost DER Solar / P2574	11.00	2.00
Bull Creek Phase 1	10.00	2.00
Bull Creek Phase 2	11.00	2.00
Fortis Alberta Killarney Lake 267S DER Solar/Battery Storage	11.00	2.00
Total Curtailed Generation (MW)	469.10	

Thermal criteria violations were observed Category A conditions. Thermal criteria violations under Category A conditions prior to generation curtailment for Scenario 6 and its corresponding pre-Project scenario (Scenario 2) are shown in Table 3-4 below:

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

Violation Location Details	Seasonal Continuous Rating (MVA)[a]	Emergency Rating (MVA)[a]	Pre-Project Results (Pre-Curtailment)		Post-Project Results (Pre-Curtailment)		% Loading Difference (Post-Pre)
			Power Flow[b] (MVA)	% Loading[c]	Power Flow[b] (MVA)	% Loading[c]	
472L (Metiskow 648S to 472AL Sunken Lake)	121.00	133.00	105.30	87.00	127.10	105.10	18.10
715L (Hansman Lake 650S to 715AL Tap)	98.00	135.00	92.00	94.00	125.00	127.60	33.20
749AL (749AL Tap to Spalding 1059S)	120.90	133.00	46.80	38.70	160.20	132.40	93.70
715AL (715AL Tap to Rising Sun Solar Tap)	98.00	108.00	92.50	94.40	125.10	127.70	33.30
7L760 (Oyen 767S to P2421 Tap)	110.20	122.70	155.27	140.90	160.78	145.9	5.00
7L132 (Lanfine 959S to Oyen 767S)	112.12	138.00	155.93	139.10	161.65	144.2	5.10
7L760 (P2421 Tap to KSP Tap)	110.20	122.70	154.28	140.00	159.79	145	5.00
7L760 (KSP Tap to Empress Liquids164S)	110.20	122.70	145.80	132.30	151.31	137.3	5.00

Thermal criteria violations under Category A conditions prior to and after generation curtailment for Scenario 6 are shown in Table 3-5 below:

Table 3-5: Post-Project Thermal Criteria Violations Under Category A Conditions for Scenario 6

Violation Location Details	Seasonal Continuous Rating (MVA)[a]	Post-Project Results (Pre-Curtailment)		Post-Project Results (Post-Curtailment)	
		Power Flow[b] (MVA)	% Loading[c]	Power Flow[b] (MVA)	% Loading[c]
472L (Metiskow 648S to 472AL Sunken Lake)	121.00	127.10	105.10	96.50	79.80
715L (Hansman Lake 650S to 715AL Tap)	98.00	125.00	127.60	85.90	87.70
749AL (749AL Tap to Spalding 1059S)	120.90	160.20	132.40	116.90	96.70
715AL (715AL Tap to Rising Sun Solar Tap)	98.00	125.10	127.70	85.90	87.70
7L760 (Oyen 767S to P2421 Tap)	110.20	160.78	145.9	107.80	97.80
7L132 (Lanfine 959S to Oyen 767S)	112.12	161.65	144.2	103.30	92.10
7L760 (P2421 Tap to KSP Tap)	110.20	159.79	145	106.70	96.80
7L760 (KSP Tap to Empress Liquids 164S)	110.20	151.31	137.3	98.10	89.00

Category B Conditions

Thermal criteria violations were observed under certain Category B conditions as shown in Table 3-6.

Table 3-6: 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	
801S (Anderson 801S Transformer T1)	7L128 (Coyote Lake 963S to P2263 Tap)	162.90	186.90	202.01	124.01	206.98	127.06	3.05
1047L (Hansman Lake 650S	703L (Hardisty to HRT Express 329S Tap)	96.00	133.00	79.53	82.85	109.26	113.81	30.97

to Nilrem 574S)	472L (Metiskow 648 to Sunken Lake 221S Tap)	121.00	133.00	117.70	97.27	147.96	122.28	25.01
398L (Provost 544S to Hayter 277S)	749AL (749AL Tap to Spalding 1059S)	120.95	133.01	15.14	12.51	133.75	110.59	98.07
748L (Hayter 277S to Killarney Lake 267S)	749AL (749AL Tap to Spalding 1059S)	120.95	133.01	12.77	10.56	138.76	114.73	104.17
749L (Edgerton 899S to Metiskow 648S)	398L (Provost 544S to Prarie Yarrow MPC Tap)	120.00	132.00	15.62	13.01	131.74	109.79	96.77
	715L (Provost 545S to Rising Sun Solar Tap)	98.00	108.00	37.75	38.53	116.47	118.84	80.32
	748L (Hayter 277S to Killarney Lake 267S)	119.03	131.00	12.81	10.77	137.96	115.90	105.13
	749AL (749AL Tap to Spalding 1059S)	120.95	133.01	0.60	0.50	147.40	121.87	121.37
	398L (BlueEarth Prarie MPC Wind to Hayter 277S)	120.00	132.00	15.06	12.55	131.75	109.79	97.24
	715L (Hansman Lake 650S to 715AL Tap)	98.00	135.00	54.54	55.66	190.16	194.04	138.38
	715L (715AL Tap to Rising Sun Solar Tap)	98.00	108.00	54.54	55.66	190.32	194.20	138.55
7L137 (Rowley768 S to Three Hills 770S)	7L128 (Coyote Lake 963S to P2263 Tap)	162.90	186.90	167.57	102.87	168.49	103.43	0.57
7L159 (GhostPine 114S to Heatburg 948S)	7L128 (Coyote Lake 963S to P2263 Tap)	162.90	186.90	196.90	120.87	200.03	122.79	1.92
7L16 (Heatburg 948S to Nevis 766S)	7L128 (Coyote Lake 963S to P2263 Tap)	162.90	186.90	195.42	119.96	198.57	121.89	1.93

7L25 (Michichi Creek 802S to Rowley768S)	7L128 (Coyote Lake 963S to P2263 Tap)	162.90	186.90	169.12	103.82	170.02	104.37	0.55
885L (Hansman Lake 650S to Metiskow 648S)	866L (Spalding 1059S to Killarney Lake 267S)	120.95	133.01	25.10	20.75	130.75	108.10	87.35
885L (Metiskow 648S to Hansman 650ST1)	749L (Metiskow 648S to 749AL Tap)	122.00	134.00	8.75	7.17	128.97	105.71	98.54
	749AL (749AL Tap to Spalding 1059S)	120.95	133.01	56.04	46.33	201.90	166.93	120.60
912L (Nevis 766S to Red Deer 63S)	7L128 (Coyote Lake 963S to P2263 Tap)	162.90	186.90	165.80	101.78	170.09	104.42	2.64
	7L60 (Oyen 767S to P2421 Tap)	110.20	122.70	106.32	96.48	114.75	104.13	7.66
953L (Nilrem 574S to Cordel 755S)	7L60 (Oyen 767S to P2421 Tap)	110.20	122.70	103.09	93.55	112.13	101.75	8.20
9L20 (Nevis 766S to Cordel 755S)	7L60 (Oyen 767S to P2421 Tap)	110.20	122.70	104.49	94.82	112.86	102.41	7.59
9L24 (Lanfine 959S to Oakland 946S)	472L (Metiskow 648 to Sunken Lake 221S Tap)	121.00	133.00	97.76	80.79	121.28	100.23	19.44
	7L128 (Coyote Lake 963S To P2263 Tap)	162.90	186.90	163.87	100.59	168.73	103.58	2.99
	7L60 (Oyen 767S to P2421 Tap)	110.20	122.70	178.04	161.56	196.12	177.97	16.41
	7L132 (Oyen 767S to Lanfine 959S)	112.12	138.00	179.94	160.49	198.39	176.94	16.45
9L27 (Cordel 755S to Paintearth 863S)	7L60 (Oyen 767S to P2421 Tap)	110.20	122.70	105.60	95.83	114.55	103.94	8.12
9L29 (Oakland 946S to Coyote Lake 963S)	7L159 (GhostPine 114S to Heatburg 948S)	107.33	118.83	124.17	115.69	130.25	121.35	5.66

	7L16 (Heatburg 948S to Nevis 766S)	107.33	119.79	121.60	113.29	127.60	118.88	5.59
	7L85 (Anderson 801S to Bullpound 803S)	139.00	165.80	153.33	110.31	156.76	112.77	2.47
	7L85 (Parker to Bullpound 803S)	138.00	157.20	160.38	116.22	163.85	118.73	2.51
	801S (Anderson 801S Transformer T1)	125.00	125.00	164.71	131.77	167.86	134.29	2.53
9L62 (Gaetz to Tinchebray 972S)	174L (Bardo 197S to North Holden 395S)	121.00	149.00	130.69	108.91	139.14	115.95	7.04
	912L (Nevis 766S to Red Deer 63S)	507.00	608.00	586.64	115.71	630.19	124.30	8.59
	9L20 (Nevis 766S to Cordel 755S)	429.00	624.00	516.32	120.35	557.10	129.86	9.51
	7L60 (Oyen 767S to P2421 Tap)	110.20	122.70	110.47	100.24	119.22	108.19	7.95
	7L132 (Oyen 767S to Lanfine 959S)	112.12	138.00	105.48	94.08	113.78	101.48	7.40
9L933 (Anderson 801S to Ware Junction 132S)	7L60 (Oyen 767S to P2421 Tap)	110.20	122.70	109.35	99.23	117.86	106.96	7.73
	7L132 (Oyen 767S to Lanfine 959S)	112.12	138.00	104.42	93.13	112.50	100.34	7.20
9L934 (Anderson 801S to Ware Junction 132S)	7L60 (Oyen 767S to P2421 Tap)	110.20	122.70	109.35	99.23	117.86	106.96	7.73
	7L132 (Oyen 767S to Lanfine 959S)	112.12	138.00	104.42	93.14	112.50	100.34	7.20
9L950 (Anderson 801S to Ware Junction 132S)	7L60 (Oyen 767S to P2421 Tap)	110.20	122.70	109.29	99.18	117.80	106.90	7.72
	7L132 (Oyen 767S to Lanfine 959S)	112.12	138.00	104.37	93.08	112.44	100.28	7.20
Coyote Lake 963S - 901 Transformer	7L159 (GhostPine 114S to Heatburg 948S)	107.33	118.83	124.16	115.68	130.23	121.34	5.66

	7L16 (Heatburg 948S to Nevis 766S)	107.33	119.79	121.58	113.28	127.58	118.87	5.59
	7L85 (Anderson 801S to Bullpound 803S)	139.00	165.80	153.39	110.35	156.82	112.82	2.47
	7L85 (Parker to Bullpound 803S)	138.00	157.20	160.44	116.26	163.90	118.77	2.51
	801S (Anderson 801S Transformer T1)	125.00	125.00	164.91	131.93	168.07	134.46	2.53
EATL	174L (Bardo 197S to North Holden 395S)	121.00	149.00	122.65	102.21	130.36	108.63	6.42
Hayter 277S Transformer T1	749AL (749AL Tap to Spalding 1059S)	120.95	133.01	12.77	10.56	139.14	115.04	104.48
Hayter 277S Transformer T2	749AL (749AL Tap to Spalding 1059S)	120.95	133.01	15.41	12.74	135.94	112.39	99.65
Killarney 267S 138/25 kV T1 Transformer	749AL (749AL Tap to Spalding 1059S)	120.95	133.01	0.61	0.50	149.14	123.30	122.80
Nevis 240/138 kV Transformer	7L128 (Coyote Lake 963S to P2263 Tap)	162.90	186.90	172.98	106.19	177.13	108.73	2.55
Paintearth 863S - 901T_902T	7L60 (Oyen 767S to P2421 Tap)	110.20	122.70	105.86	96.07	114.60	103.99	7.92
Provost 545S Transformer T1	749AL (749AL Tap to Spalding 1059S)	120.95	133.01	15.13	12.51	134.15	110.91	98.40

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 7: 2028 Winter Peak High Generation Post-Project

Category A Conditions

Thermal criteria violations were observed Category A conditions. Thermal criteria violations under Category A conditions prior to generation curtailment for Scenario 7 and its corresponding pre-Project scenario (Scenario 3) are shown in Table 3-7 below:

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

Violation Location Details	Seasonal Continuous Rating (MVA)[a]	Emergency Rating (MVA)[a]	Pre-Project Results (Pre-Curtailment)		Post-Project Results (Pre-Curtailment)		% Loading Difference (Post-Pre)
			Power Flow[b] (MVA)	% Loading[c]	Power Flow[b] (MVA)	% Loading[c]	
749AL (749AL Tap to Spalding 1059S)	148.00	163.00	49.00	33.10	171.98	116.20	83.10

Thermal criteria violations under Category A conditions prior to and after generation curtailment for Scenario 7 are shown in Table 3-8 below:

Table 3-8: Post-Project Thermal Criteria Violations Under Category A Conditions for Scenario 7

Violation Location Details	Seasonal Continuous Rating (MVA)[a]	Post-Project Results (Pre-Curtailment)		Post-Project Results (Post-Curtailment)	
		Power Flow[b] (MVA)	% Loading[c]	Power Flow[b] (MVA)	% Loading[c]
749AL (749AL Tap to Spalding 1059S)	148.00	171.98	116.20	136.90	92.60

Category B Conditions

Thermal criteria violations were observed under certain Category B conditions as shown in Table 3-9.

Table 3-9: 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	
1047L (Hansman Lake 650S to Nilrem 574S)	703L (Hardisty to HRT Express 329S Tap)	96	143	124.1	129.3	155.8	162.3	33

	472L (Metiskow 648 to Sunken Lake 221S Tap)	150	165	166.2	110.8	199.3	132.8	22
	703L (Hughenden 213S to HRT Express 329S Tap)	145	160	129.5	89.3	161.3	111.3	21.9
	472L (Hughenden 213S to Sunken Lake 221S Tap)	133	155	133.5	100.3	165.4	124.3	24
398L (Provost 544S to Hayter 277S)	866L (Spalding 1059S to Killarney Lake 267S)	148	163	26	17.6	149.1	100.8	83.2
966L (Hansman Lake 650S to Pemukan 932S)	7L224 (Hansman Lake 650S to Monitor 774S)	143.8	163.9	188.7	131.2	161.9	112.6	-18.6
	7L127 (Monitor 774S to Pemukan 932S)	182.1	243.4	219.7	120.7	194.1	106.6	-14.1
749L (Edgerton 899S to Metiskow 648S)	703L (Hardisty to HRT Express 329S Tap)	96	143	72.9	76	97	101.1	25.1
	398L (Provost 544S to Prarie Yarrow MPC Tap)	148	163	27.7	18.7	148.5	100.3	81.6
	398L (BlueEarth Prarie MPC Wind to Hayter 277S)	148	163	25.7	17.4	148.5	100.3	82.9
	704L (Wainwright 51S to Tucuman 478S)	79	87	80	101.3	87.4	110.6	9.3
	715L (Hansman Lake 650S to 715AL Tap)	131.9	145.1	38	28.8	168.2	127.5	98.7
	715L (715AL Tap to Rising Sun Solar Tap)	131.9	145.1	38	28.8	168.3	127.6	98.7
7L171 (Michichi Creek 802S to Wintering Hills 804S)	801S (Anderson 801S Transformer T1)	125	125	149.8	119.9	150.2	120.1	0.3
7L42 (Lloydminster 716S to Hill 751S)	704L (Wainwright 51S to Tucuman 478S)	79	87	70.9	89.7	79.5	100.6	10.9
7L749 (Edgerton 899S to Lloydminster 716S)	703L (Hardisty to HRT Express 329S Tap)	96	143	71	74	96.9	101	27
	704L (Wainwright 51S to Tucuman 478S)	79	87	77.1	97.7	85.3	108	10.4
7LB749/880S_Tap (Edgerton 899S to Lloydminister 716S)	703L (Hardisty to HRT Express 329S Tap)	96	143	71	74	96.9	101	27
	704L (Wainwright 51S to Tucuman 478S)	79	87	77.1	97.7	85.3	108	10.4

885L (Metiskow 648S to Hansman Lake 650S)	749AL (749AL Tap to Spalding 1059S)	148	163	36.3	24.5	179.5	121.3	96.8
912L (Nevis 766S to Red Deer 63S)	174L (Bardo 197S to North Holden 395S)	133	164	135.6	93.5	146.8	101.3	7.7
	9L62 (Gaetz to Tinchebray 972S)	831.4	831.4	1026.6	123.5	1097.7	132	8.5
	9L16 (Tinchebray 972S to Golden eye Tap)	660	663	479.2	96	545.2	109.3	13.2
953L (Nilrem 574S to Cordel 755S)	704L (Wainwright 51S to Tucuman 478S)	79	87	79.1	100.1	89.7	113.6	13.4
9L20 (Nevis 766S to Cordel 755S)	7L16 (Heatburg 948S to Nevis 766S)	127.5	127.5	127.1	99.8	135.4	106.3	6.5
	9L62 (Gaetz to Tinchebray 972S)	831.4	831.4	955.2	114.9	1021.5	122.9	8
9L24 (Lanfine 959S to Oakland 946S)	703L (Hardisty to HRT Express 329S Tap)	96	143	79.3	82.6	105.5	109.9	27.3
	7L60 (Oyen 767S to P2421 Tap)	146.6	167.7	162.3	110.7	179.2	122.2	11.5
	7L132 (Oyen 767S to Lanfine 959S)	140.9	171.5	181.9	129.1	199.4	141.5	12.4
9L27 (Cordel 755S to Paintearth 863S) 703L (Hardisty to HRT Express 329S Tap)	703L (Hardisty to HRT Express 329S Tap)	96	143	79.3	86.2	105.5	109.9	27.3
9L29 (Oakland 946S to Coyote Lake 963S)	7L16 (Heatburg 948S to Nevis 766S)	127.5	127.5	127.9	100.3	135.1	106	5.7
9L62 (Gaetz to Tinchebray 972S)	174L (Bardo 197S to North Holden 395S)	133	164	163.4	112.7	176.2	121.5	8.8
	701L (North Hoden 395S to Strome 223S)	146	161	152.9	104.7	165.1	113.1	8.3
	704L (Wainwright 51S to Tucuman 478S)	79	87	77.3	97.8	84.6	107.1	9.3
	912L (Nevis 766S to Red Deer 63S)	624	624	856.5	137.3	917.1	147	9.7
	9L20 (Nevis 766S to Cordel 755S)	540	0	751.3	139.1	807.4	149.5	10.4
	9L16 (Cordel 755S to P2441 Tap)	660	663	542.5	108.7	536	107.4	-1.3
9L80 (Battle River 757S to Cordel 755S)	704L (Wainwright 51S to Tucuman 478S)	79	87	72.3	91.5	79	100	8.5
Coyote Lake 963S - 901 Transformer	7L16 (Heatburg 948S to Nevis 766S)	127.5	127.5	127.8	100.3	135.1	106	5.7

EATL	174L (Bardo 197S to North Holden 395S)	133	164	145	100	154	106.2	6.2
	701L (North Hoden 395S to Strome 223S)	146	161	140.1	96	148.8	101.9	5.9
	704L (Wainwright 51S to Tucuman 478S)	79	87	81.5	103.2	88.4	111.9	8.7
	7L16 (Heatburg 948S to Nevis 766S)	127.5	127.5	130.4	102.3	136	106.7	4.4
	9L62 (Gaetz to Tinchebray 972S)	831.4	831.4	930.8	112	985.3	118.5	6.6
	9L59AL (Tinchebray 972S to Garden Plain 1045S)	499	499	522	104.6	525.5	105.3	0.7
Edgerton 899S_T3	703L (Hardisty to HRT Express 329S Tap)	96	143	72.6	75.6	98.5	102.6	27
	704L (Wainwright 51S to Tucuman 478S)	79	87	78.7	99.6	86.9	110	10.3
Provost Transformer 545S_T1	866L (Spalding 1059S to Killarney Lake 267S)	148	163	26.1	17.6	149.1	100.8	83.2

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 Transient Stability Studies

Transient stability studies were completed for Scenario 5.

The results did not indicate any transient stability concerns, and the system showed an acceptable dynamic response to all Category B conditions studied, as shown in Table 3-10. The post-Project transient stability plots are provided in Attachment A4. The dynamic data and assumptions of all equipment proposed for the Facility are provided in Attachment A5.

Table 3-10: Transient Stability Study Results under Category B Conditions for Scenario 5

Studied Contingency	Fault Description and Location	Results
749L (Metiskow 648S - P2460 I/O - Edgerton 899S)	Killarney Lake 267S	Stable
	Metiskow 648S	Stable
	Edgerton 899S	Stable
749AL (Killarney Lake 267s - P2460 I/O)	Killarney Lake 267S	Stable
	P2460 I/O	Stable
748L (Killarney Lake 267S - Hayter 277S)	Killarney Lake 267S	Stable
	Hayter 277S	Stable
398L (Hayter 277S - Provost 545S)	Hayter 277S	Stable
	Provost 545S	Stable
681L (Tucuman 478S - Hardisty 377S)	Tucuman 478S	Stable
	Hardisty 377S	Stable
769L (Rosyth 296S - Hardisty 377S)	Hardisty 377S	Stable
	Rosyth 296S	Stable
472L (Metiskow 648S - Sunken Lake 221S Tap - Hughenden 213S)	Metiskow 648S	Stable
	Hughenden 213S	Stable
954L (Metiskow 648S - Hansman Lake 650S)	Metiskow 648S	Stable
	Hansman Lake 650S	Stable
885L (Metiskow 648S - Hansman Lake 650S)	Metiskow 648S	Stable
	Hansman Lake 650S	Stable
1047L (Nilrem 574S - Hansman Lake 650S)	Nilrem 574S	Stable
	Hansman Lake 650S	Stable
948L (Hansman Lake 650S - Paintearth 863S	Hansman Lake 650S	Stable
	Paintearth 863S	Stable
715AI/715L (Provost 545S - Hansman Lake 650S)	Hansman Lake 650S	Stable
	Provost 545S	Stable
703L (Hughenden 213S - Hardisty 377S)	Hughenden 213S	Stable

	Hardisty 377S	Stable
7L224 (Hansman Lake 650S - JCT.Eyre 558S - Monitor 744S)	Hansman Lake 650S	Stable
	Monitor 774S	Stable
966L/9L966 (Hansman Lake 650S - Pemukan 923S)	Hansman Lake 650S	Stable
	Pemukan 923S	Stable

Transient stability studies were completed for Scenario 6.

The results did not indicate any transient stability concerns, and the system showed an acceptable dynamic response to all Category B conditions studied, as shown in Table 3-11. The post-Project transient stability plots are provided in Attachment A4. The dynamic data and assumptions of all equipment proposed for the Facility are provided in Attachment A5.

Table 3-11 Transient Stability Study Results under Category B Conditions for Scenario 6

Studied Contingency	Fault Description and Location	Results
749L (Metiskow 648S - P2460 I/O - Edgerton 899S)	Killarney Lake 267S	Stable
	Metiskow 648S	Stable
	Edgerton 899S	Stable
749AL (Killarney Lake 267s - P2460 I/O)	Killarney Lake 267S	Stable
	P2460 I/O	Stable
748L (Killarney Lake 267S - Hayter 277S)	Killarney Lake 267S	Stable
	Hayter 277S	Stable
398L (Hayter 277S - Provost 545S)	Hayter 277S	Stable
	Provost 545S	Stable
681L (Tucuman 478S - Hardisty 377S)	Tucuman 478S	Stable
	Hardisty 377S	Stable
769L (Rosyth 296S - Hardisty 377S)	Hardisty 377S	Stable
	Rosyth 296S	Stable
472L (Metiskow 648S - Sunken Lake 221S Tap - Hughenden 213S)	Metiskow 648S	Stable
	Hughenden 213S	Stable
954L (Metiskow 648S - Hansman Lake 650S)	Metiskow 648S	Stable
	Hansman Lake 650S	Stable
885L (Metiskow 648S - Hansman Lake 650S)	Metiskow 648S	Stable
	Hansman Lake 650S	Stable
1047L (Nilrem 574S - Hansman Lake 650S)	Nilrem 574S	Stable
	Hansman Lake 650S	Stable
948L (Hansman Lake 650S - Paintearth 863S	Hansman Lake 650S	Stable

	Paintearth 863S	Stable
715Al/715L (Provost 545S - Hansman Lake 650S)	Hansman Lake 650S	Stable
	Provost 545S	Stable
703L (Hughenden 213S - Hardisty 377S)	Hughenden 213S	Stable
	Hardisty 377S	Stable
7L224 (Hansman Lake 650S - JCT.Eyre 558S - Monitor 744S)	Hansman Lake 650S	Stable
	Monitor 774S	Stable
966L/9L966 (Hansman Lake 650S - Pemukan 923S)	Hansman Lake 650S	Stable
	Pemukan 923S	Stable

Transient stability studies were completed for Scenario 7.

The results did not indicate any transient stability concerns, and the system showed an acceptable dynamic response to all Category B conditions studied, as shown in Table 3-12. The post-Project transient stability plots are provided in Attachment A4. The dynamic data and assumptions of all equipment proposed for the Facility are provided in Attachment A5.

Table 3-12 Transient Stability Study Results under Category B Conditions for Scenario 7

Studied Contingency	Fault Description and Location	Results
749L (Metiskow 648S - P2460 I/O - Edgerton 899S)	Killarney Lake 267S	Stable
	Metiskow 648S	Stable
	Edgerton 899S	Stable
749AL (Killarney Lake 267s - P2460 I/O)	Killarney Lake 267S	Stable
	P2460 I/O	Stable
748L (Killarney Lake 267S - Hayter 277S)	Killarney Lake 267S	Stable
	Hayter 277S	Stable
398L (Hayter 277S - Provost 545S)	Hayter 277S	Stable
	Provost 545S	Stable
681L (Tucuman 478S - Hardisty 377S)	Tucuman 478S	Stable
	Hardisty 377S	Stable
769L (Rosyth 296S - Hardisty 377S)	Hardisty 377S	Stable
	Rosyth 296S	Stable
472L (Metiskow 648S - Sunken Lake 221S Tap - Hughenden 213S)	Metiskow 648S	Stable
	Hughenden 213S	Stable
954L (Metiskow 648S - Hansman Lake 650S)	Metiskow 648S	Stable
	Hansman Lake 650S	Stable
885L (Metiskow 648S - Hansman Lake 650S)	Metiskow 648S	Stable

	Hansman Lake 650S	Stable
1047L (Nilrem 574S - Hansman Lake 650S)	Nilrem 574S	Stable
	Hansman Lake 650S	Stable
948L (Hansman Lake 650S - Paintearth 863S	Hansman Lake 650S	Stable
	Paintearth 863S	Stable
715Al/715L (Provost 545S - Hansman Lake 650S)	Hansman Lake 650S	Stable
	Provost 545S	Stable
703L (Hughenden 213S - Hardisty 377S)	Hughenden 213S	Stable
	Hardisty 377S	Stable
7L224 (Hansman Lake 650S - JCT.Eyre 558S - Monitor 744S)	Hansman Lake 650S	Stable
	Monitor 774S	Stable
966L/9L966 (Hansman Lake 650S - Pemukan 923S)	Hansman Lake 650S	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 WP HG

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)
Killarney Lake 267	138	144.86	4.10	0.043657+j0.101334	2.97	0.060001+j0.222340
Metiskow 648s	240	257.3	6.28	0.010998+j0.04199	7.35	0.003176+j0.020423
	138	143.1	8.43	0.015055+j0.051062	9.20	0.004287+j0.035203
Hayter 277s	138	144.84	3.81	0.045112+j0.109852	2.85	0.05828+j0.22562
Hansman Lake 650s	240	257.2	6.31	0.010944+j0.04175	7.46	0.003009+j0.019395
	138	143.1	8.41	0.015006+j0.051153	9.24	0.004107+j0.034376
Hughenden 213s	138	142.9	5.64	0.028827+j0.075453	4.19	0.037413j0.158055
Edgerton 899s	138	144.4	3.25	0.0593833+j0.12607	2.35	0.076605+j0.287314
Sunken Lake 221s	138	143.03	8.35	0.015644+j0.052073	8.87	0.005549+j0.040071
Provost 545s	138	143.2	4.77	0.033851+j0.088515	3.95	0.033755+j0.142977

[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.

4.2 Post-Project Results

4.2.1 Scenario 7: 2028 WP HG Post-Project

Post-Project short-circuit current levels for Scenario 7 are provided in Table 4-2.

Table 4-2: Post-Project Short-Circuit Current Levels for Scenario 7 WP HG

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)
Killarney Lake 267	138	144.1	3.87	0.043003+j0.103734	2.87	0.056158+j0.215512
Metiskow 648s	240	257.3	6.03	0.011036+j0.042458	7.07	0.003173+j0.020415
	138	141.9	8.28	0.015004+j0.051928	9.06	0.004273+j0.035114
Hayter 277s	138	144.29	3.53	0.045542+j0.115143	2.71	0.056701+j0.222542
Hansman Lake 650s	240	255.82	6.07	0.010981+j0.042216	5.00	0.003006+j0.019388
	138	141.9	8.28	0.014952+j0.052018	9.11	0.004095+j0.034294
Hughenden 213s	138	141.54	5.39	0.029400+j0.076734	4.03	0.037410+j0.158025
Edgerton 899s	138	140.75	3.11	0.058345+j0.126214	2.25	0.075621+j0.284557
Sunken Lake 221s	138	141.8	7.95	0.015618+j0.053001	8.48	0.005536+j0.039990
Provost 545s	138	142.95	4.51	0.033957+j0.090732	3.77	0.033487+j0.142409
Spalding 1059S	138	144.28	4.25	0.038691+j0.094961	3.21	0.049047+j0.188860

4.2.2 Scenario 8: 2033 WP HG Post-Project

Post-Project short-circuit current levels for Scenario 8 are provided in Table 4-3.

Table 4-3: Post-Project Short-Circuit Current Levels for Scenario 8 WP HG

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)
Killarney Lake 267	138	142.1	3.95	0.039114+j0.107211	3.03	0.052748+j0.208128
Metiskow 648s	240	256.81	6.16	0.011412+j0.042209	7.32	0.003158+j0.020264
	138	144	8.01	0.015957+j0.052800	8.98	0.004286+j0.034901
Hayter 277s	138	141.4	3.56	0.046520+j0.116883	2.80	0:0.055596+j0.220241
Hansman Lake 650s	240	256.8	6.20	0.011354+j0.041963	7.42	0.002991+j0.019239
	138	144	8.01	0.015945+j0.052841	9.04	0.004088+j0.033919
Hughenden 213s	138	141.02	5.56	0.029037+j0.074598	3.89	0.036791+j0.155857
Edgerton 899s	138	143.19	4.34	0.034012+j0.098473	3.45	0.042871+j0.177661
Sunken Lake 221s	138	141.87	8.01	0.016639+j0.053670	8.73	0.005550+j0.039757

Provost 545s	138	140.56	4.43	0.037720+j0.093367	3.83	0.033423+j0.142494
Spalding 1059S	138	142.4	4.41	0.032192+j0.097073	3.49	0.042938+j0.176071

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 (GhostPine 114S to Heatburg 948S)	9L29 (Oakland 946S to Coyote Lake 963S)
	7L16 (Heatburg 948S to Nevis 766S)	
	7L159 (GhostPine 114S to Heatburg 948S)	Coyote Lake 963S - 901 Transformer
	7L16 (Heatburg 948S to Nevis 766S)	
	701L (North Hoden 395S to Strome 223S)	912L (Nevis 766S to Red Deer 63S)
Existing RAS 200	801S (Anderson 801S Transformer T1)	9L29 (Oakland 946S to Coyote Lake 963S)
	7L85 (Parker to Bullpound 803S)	
	801S (Anderson 801S Transformer T1)	Coyote Lake 963S - 901 Transformer
	7L85 (Parker to Bullpound 803S)	
Existing RAS 203	7L128 (Coyote Lake 963S To P2263 Tap)	801S (Anderson 801S Transformer T1)
	7L128 (Coyote Lake 963S To P2263 Tap)	7L159 (GhostPine 114S to Heatburg 948S)
	7L128 (Coyote Lake 963S To P2263 Tap)	7L16 (Heatburg 948S to Nevis 766S)
Existing RAS 211	9L59AL (Tinchebray 972S to Garden Plain 1045S)	EATL
	9L62 (Gaetz to Tinchebray 972S)	
Existing RAS 238	472L (Metiskow 648 to Sunken Lake 221S Tap)	1047L (Hansman Lake 650S to Nilrem 574S)
	472L (Hughenden 213S to Sunken Lake 221S Tap)	1047L (Hansman Lake 650S to Nilrem 574S)
	703L (Hardisty to HRT Express 329S Tap)	
	7L127 (Monitor 774S to Pemukan 932S)	966L (Hansman Lake 650S to Pemukan 932S)
	704L (Wainwright 51S to Tucuman 478S)	749L (Edgerton 899S to Metiskow 648S)
	7L128 (Coyote Lake 963S To P2263 Tap)	7L137 (Rowley768S to Three Hills 770S)
	7L128 (Coyote Lake 963S To P2263 Tap)	7L25 (Michichi Creek 802S to Rowley768S)

RTOP	174L (Bardo 197S to North Holden 395S)	912L (Nevis 766S to Red Deer 63S)
	701L (Strome 223S to Heisler Tap)	
	7L128 (Coyote Lake 963S To P2263 Tap)	
	7L132 (Oyen 767S to Lanfine 959S)	
	7L60 (Oyen 767S to P2421 Tap)	
	7L65 (Vegrevile 709S to Grizzly Bear 708S Tap)	
	704L (Wainwright 51S to Tucuman 478S)	953L (Nilrem 574S to Cordel 755S)
	701L (North Hoden 395S to Strome 223S)	9L20 (Nevis 766S to Cordel 755S)
	7L16 (Heatburg 948S to Nevis 766S)	
	7L60 (Oyen 767S to P2421 Tap)	
	7L128 (Coyote Lake 963S To P2263 Tap)	9L24 (Lanfine 959S to Oakland 946S)
	7L60 (Oyen 767S to P2421 Tap)	
	7L85 (Anderson 801S to Bullpound 803S)	9L29 (Oakland 946S to Coyote Lake 963S)
	7L85 (Parker to Bullpound 803S)	
	174L (Bardo 197S to North Holden 395S)	9L62 (Gaetz to Tinchebray 972S)
	701L (North Hoden 395S to Strome 223S)	
	7L60 (Oyen 767S to P2421 Tap)	
	912L (Nevis 766S to Red Deer 63S)	
	9L20 (Nevis 766S to Cordel 755S)	
	7L85 (Anderson 801S to Bullpound 803S)	Coyote Lake 963S - 901 Transformer
	7L85 (Parker to Bullpound 803S)	
	174L (Bardo 197S to North Holden 395S)	EATL
	704L (Wainwright 51S to Tucuman 478S)	
	912L (Nevis 766S to Red Deer 63S)	
	9L20 (Nevis 766S to Cordel 755S)	
	704L (Wainwright 51S to Tucuman 478S)	Killarney 138/25 kV 267ST1 Transformer
	7L128 (Coyote Lake 963S To P2263 Tap)	Nevis 240/138 kV Transformer

Notes:

[a] [RAS No.] is an existing RAS (see Section 1.2.2 of Attachment A1). Modifications to [RAS No.] are proposed for the planned [Name of other Project 1]. This modified version of [RAS No.] is referred to hereafter as “planned [RAS No.]”

[b] Planned [RAS No.] is a RAS proposed for the planned [Name of other Project 2].

5.2 Post-Project

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

Table 5-2: Pre-Project Mitigation Measures

Mitigation Measure	Location of Observed Violation	Contingency
Existing RAS 134	701L (North Hoden 395S to Strome 223S)	912L (Nevis 766S to Red Deer 63S)
	701L (Strome 223S to Heisler Tap)	
	701L (North Hoden 395S to Strome 223S)	9L20 (Nevis 766S to Cordel 755S)
	7L159 (GhostPine 114S to Heatburg 948S)	9L29 (Oakland 946S to Coyote Lake 963S)
	7L16 (Heatburg 948S to Nevis 766S)	
	7L159 (GhostPine 114S to Heatburg 948S)	Coyote Lake 963S - 901 Transformer
	7L16 (Heatburg 948S to Nevis 766S)	
Existing RAS 200	801S (Anderson 801S Transformer T1)	9L29 (Oakland 946S to Coyote Lake 963S)
	7L85 (Parker to Bullpound 803S)	
	801S (Anderson 801S Transformer T1)	Coyote Lake 963S - 901 Transformer
	7L85 (Parker to Bullpound 803S)	
Existing RAS 203	7L128 (Coyote Lake 963S To P2263 Tap)	801S (Anderson 801S Transformer T1)
	7L128 (Coyote Lake 963S To P2263 Tap)	7L159 (GhostPine 114S to Heatburg 948S)
	7L128 (Coyote Lake 963S To P2263 Tap)	7L16 (Heatburg 948S to Nevis 766S)
Existing RAS 211	704L (Wainwright 51S to Tucuman 478S)	953L (Nilrem 574S to Cordel 755S)
New RAS 213	715L (Hansman Lake 650S to 715AL Tap)	749L (Edgerton 899S to Metiskow 648S)
	715L (715AL Tap to Rising Sun Solar Tap)	
	715L (Provost 545S to Rising Sun Solar Tap)	
	748L (Hayter 277S to Killarney Lake 267S)	
	749AL (749AL Tap to Spalding 1059S)	
	866L (Spalding 1059S to Killarney Lake 267S)	
	749AL (749AL Tap to Spalding 1059S)	398L (Provost 544S to Hayter 277S)
	749AL (749AL Tap to Spalding 1059S)	748L (Hayter 277S to Killarney Lake 267S)
	749AL (749AL Tap to Spalding 1059S)	885L (Metiskow 648S to Hansman Lake 650ST)
	749AL (749AL Tap to Spalding 1059S)	Hayter 277S Transformer T1
	749AL (749AL Tap to Spalding 1059S)	Hayter 277S Transformer T2
	749AL (749AL Tap to Spalding 1059S)	Killarney 138/25 kV 267ST1 Transformer
	749AL (749AL Tap to Spalding 1059S)	Provost Transformer 545S_T1

Existing RAS 237	715L (715AL Tap to Rising Sun Solar Tap)	Metiskow 648S_T1
	715L (Hansman Lake 650S to 715AL Tap)	749L (Edgerton 899S to Metiskow 648S)
	715L (715AL Tap to Rising Sun Solar Tap)	
Existing RAS 238	472L (Hughenden 213S to Sunken Lake 221S Tap)	1047L (Hansman Lake 650S to Nilrem 574S)
	703L (Hardisty to HRT Express 329S Tap)	
	703L (Hughenden 213S to HRT Express 329S Tap)	
Modified RAS 238	472L (Metiskow 648 to Sunken Lake 221S Tap)	1047L (Hansman Lake 650S to Nilrem 574S)
RAS 204	7L132 (Oyen 767S to Lanfine 959S)	9L24 (Lanfine 959S to Oakland 946S)
	7L60 (Oyen 767S to P2421 Tap)	
RTOP	9L20 (Nevis 766S to Cordel 755S)	Lanfine Three Winding Transformer 959S901T
	703L (Hardisty to HRT Express 329S Tap)	1047L (Hansman Lake 650S to Nilrem 574S)
	912L (Nevis 766S to Red Deer 63S)	174L (Bardo197S to North Holden395S)
	9L20 (Nevis 766S to Cordel 755S)	
	7L60 (Oyen 767S to P2421 Tap)	
	866L (Spalding 1059S to Killarney Lake 267S)	398L (Provost 544S to Hayter 277S)
	9L20 (Nevis 766S to Cordel 755S)	472L (Metiskow 648S to Hughenden 213 S)
	7L60 (Oyen 767S to P2421 Tap)	
	7L224 (Hansman Lake 650S to Monitor 774S)	666L (Hansman Lake 650S to Pemukan 932S)
	7L127 (Monitor 774S to Pemukan 932S)	
	7L60 (Oyen 767S to P2421 Tap)	
	7L65 (Vegrevile 709S to Grizzly Bear 708S Tap)	701L (Battle River 757S to Strome 223S)
	912L (Nevis 766S to Red Deer 63S)	
	9L20 (Nevis 766S to Cordel 755S)	
	7L60 (Oyen 767S to P2421 Tap)	
	7L65 (Vegrevile 709S to Grizzly Bear 708S Tap)	701L (North Hoden 395S to Strome 223S)
	912L (Nevis 766S to Red Deer 63S)	
	9L20 (Nevis 766S to Cordel 755S)	
	7L60 (Oyen 767S to P2421 Tap)	
	398L (Provost 544S to Prarie Yarrow MPC Tap)	749L (Edgerton 8995S to Metiskow 648S)
	398L (BlueEarth Prarie MPC Wind to Hayter 277S)	
	715L (Provost 545S to Rising Sun Solar Tap)	
	748L (Hayter 277S to Killarney Lake 267S)	

	866L (Spalding 1059S to Killarney Lake 267S)	
	704L (Wainwright 51S to Tucuman 478S)	
	715L (Hansman Lake 650S to 715AL Tap)	
	715L (715AL Tap to Rising Sun Solar Tap)	
	703L (Hardisty to HRT Express 329S Tap)	
	9L20 (Nevis 766S to Cordel 755S)	
	174L (Bardo 197S to North Holden 395S)	769L (Hardisty377S to Rosyth296S)
	912L (Nevis 766S to Red Deer 63S)	
	9L20 (Nevis 766S to Cordel 755S)	
	7L60 (Oyen 767S to P2421 Tap)	7L116 (Lanfine 959S to Excel 910S)
	9L20 (Nevis 766S to Cordel 755S)	7L132 (Oyen 767S to Lanfine 959S)
	7L128 (Coyote Lake 963S To P2263 Tap)	7L137 (Rowley768S to Three Hills 770S)
	9L20 (Nevis 766S to Cordel 755S)	
	9L20 (Nevis 766S to Cordel 755S)	7L159 (GhostPine 114S to Heatburg 948S)
	9L20 (Nevis 766S to Cordel 755S)	7L16 (Heatburg 948S to Nevis 766S)
	801S (Anderson 801S Transformer T1)	7L171 (Michichi Creek 802S to Wintering Hills 804S)
	7L128 (Coyote Lake 963S To P2263 Tap)	7L25 (Michichi Creek 802S to Rowley768S)
	9L20 (Nevis 766S to Cordel 755S)	
	704L (Wainwright 51S to Tucuman 478S)	7L42 (Lloydminster 716S to Hill 751S)
	703L (Hardisty to HRT Express 329S Tap)	7L749 (Edgerton 899S to Lloydminster 716S)
	704L (Wainwright 51S to Tucuman 478S)	
	7L60 (Oyen 767S to P2421 Tap)	
	7L60 (Oyen 767S to P2421 Tap)	7L79 (Veteran 771S to Pemukan 932S)
	174L (Bardo 197S to North Holden 395S)	7L794 (Whitby Lake 819S to Lac La Biche 157S)
	174L (Bardo 197S to North Holden 395S)	7L92 (Vilna 777S to Watt Lake 956S)
	174L (Bardo 197S to North Holden 395S)	7L92 (Whitby Lake 819S to Vilna 777S)
	174L (Bardo 197S to North Holden 395S)	7LA92 (Watt Lake 956S to Vegreville 709S)
	703L (Hardisty to HRT Express 329S Tap)	7LB749/880S_Tap (Edgerton 899S to Lloydminister 716S)
	704L (Wainwright 51S to Tucuman 478S)	
	912L (Nevis 766S to Red Deer 63S)	
	9L20 (Nevis 766S to Cordel 755S)	

	866L (Spalding 1059S to Killarney Lake 267S)	885L (Hansman Lake 650S to Metiskow 648S)
	749L (Metiskow 648S to 749AL Tap)	885L (Metiskow 648S to Hansman 650ST1)
	866L (Spalding 1059S to Killarney Lake 267S)	
	7L128 (Coyote Lake 963S To P2263 Tap)	912L (Nevis 766S to Red Deer 63S)
	7L60 (Oyen 767S to P2421 Tap)	
	174L (Bardo 197S to North Holden 395S)	
	9L62 (Gaetz to Tinchebray 972S)	
	9L16 (Tinchebray 972S to Golden eye Tap)	
	7L701 (Battle River 757S to Heisler 764S Tap)	
	7L65 (Vegrevile 709S to Grizzly Bear 708S Tap)	
	7L132 (Oyen 767S to Lanfine 959S)	
	9L20 (Nevis 766S to Cordel 755S)	925L (Red Deer 63S to Janet 74S)
	7L60 (Oyen 767S to P2421 Tap)	953L (Nilrem 574S to Cordel 755S)
	7L60 (Oyen 767S to P2421 Tap)	9L20 (Nevis 766S to Cordel 755S)
	7L16 (Heatburg 948S to Nevis 766S)	
	9L62 (Gaetz to Tinchebray 972S)	
	174L (Bardo 197S to North Holden 395S)	
	7L159 (GhostPine 114S to Heatburg 948S)	
	7L701 (Battle River 757S to Heisler 764S Tap)	
	7L65 (Vegrevile 709S to Grizzly Bear 708S Tap)	
	7L132 (Oyen 767S to Lanfine 959S)	
	472L (Metiskow 648 to Sunken Lake 221S Tap)	9L24 (Lanfine 959S to Oakland 946S)
	703L (Hardisty to HRT Express 329S Tap)	
	174L (Bardo 197S to North Holden 395S)	
	7L128 (Coyote Lake 963S To P2263 Tap)	
	912L (Nevis 766S to Red Deer 63S)	
	9L20 (Nevis 766S to Cordel 755S)	
	7L60 (Oyen 767S to P2421 Tap)	9L27 (Cordel 755S to Paintearth 863S)
	7L132 (Oyen 767S to Lanfine 959S)	
	703L (Hardisty to HRT Express 329S Tap)	
	7L85 (Anderson 801S to Bullpound 803S)	9L29 (Oakland 946S to Coyote Lake 963S)
	7L16 (Heatburg 948S to Nevis 766S)	
	912L (Nevis 766S to Red Deer 63S)	

	912L (Nevis 766S to Red Deer 63S)	9L59 (Tinchebray 972S to Anderson 801S)
	9L20 (Nevis 766S to Cordel 755S)	
	7L60 (Oyen 767S to P2421 Tap)	
	174L (Bardo 197S to North Holden 395S)	9L62 (Gaetz to Tinchebray 972S)
	912L (Nevis 766S to Red Deer 63S)	
	7L60 (Oyen 767S to P2421 Tap)	
	7L132 (Oyen 767S to Lanfine 959S)	
	9L20 (Nevis 766S to Cordel 755S)	
	701L (North Hoden 395S to Strome 223S)	
	704L (Wainwright 51S to Tucuman 478S)	
	9L16 (Cordel 755S to P2441 Tap)	
	7L60 (Oyen 767S to P2421 Tap)	9L70 (Anderson 801S to Oakland 946S)
	704L (Wainwright 51S to Tucuman 478S)	9L80 (Battle River 757S to Cordel 755S)
	9L20 (Nevis 766S to Cordel 755S)	
	7L132 (Oyen 767S to Lanfine 959S)	9L933 (Anderson 801S to Ware Junction 132S)
	7L60 (Oyen 767S to P2421 Tap)	
	912L (Nevis 766S to Red Deer 63S)	
	9L20 (Nevis 766S to Cordel 755S)	
	7L60 (Oyen 767S to P2421 Tap)	9L934 (Anderson 801S to Ware Junction 132S)
	7L132 (Oyen 767S to Lanfine 959S)	
	912L (Nevis 766S to Red Deer 63S)	
	9L20 (Nevis 766S to Cordel 755S)	
	7L60 (Oyen 767S to P2421 Tap)	9L950 (Anderson 801S to Ware Junction 132S)
	7L132 (Oyen 767S to Lanfine 959S)	
	912L (Nevis 766S to Red Deer 63S)	
	9L20 (Nevis 766S to Cordel 755S)	
	7L60 (Oyen 767S to P2421 Tap)	9L97 (Anderson 801S to Oakland 946S)
	9L20 (Nevis 766S to Cordel 755S)	Battle River 3 Winding Transformer
	7L85 (Anderson 801S to Bullpound 803S)	Coyote Lake 963S - 901 Transformer
	7L16 (Heatburg 948S to Nevis 766S)	
	912L (Nevis 766S to Red Deer 63S)	
	174L (Bardo 197S to North Holden 395S)	EATL
	704L (Wainwright 51S to Tucuman 478S)	
	866L (Spalding 1059S to Killarney Lake 267S)	
	701L (North Hoden 395S to Strome 223S)	
	7L16 (Heatburg 948S to Nevis 766S)	

	7L159 (GhostPine 114S to Heatburg 948S)	
	7L65 (Vegrevile 709S to Grizzly Bear 708S Tap)	
	912L (Nevis 766S to Red Deer 63S)	
	9L20 (Nevis 766S to Cordel 755S)	
	9L59AL (Tinchebray 972S to Garden Plain 1045S)	
	9L62 (Gaetz to Tinchebray 972S)	
	703L (Hardisty to HRT Express 329S Tap)	Edgerton 899S_T3
	704L (Wainwright 51S to Tucuman 478S)	
	912L (Nevis 766S to Red Deer 63S)	
	9L20 (Nevis 766S to Cordel 755S)	
	703L (Hardisty to HRT Express 329S Tap)	Hayter 277S Transformer T1
	9L20 (Nevis 766S to Cordel 755S)	
	9L20 (Nevis 766S to Cordel 755S)	Hayter 277S Transformer T2
	866L (Spalding 1059S to Killarney Lake 267S)	Killarney 138/25 kV 267ST1 Transformer
	704L (Wainwright 51S to Tucuman 478S)	
	715L (Hansman Lake 650S to 715AL Tap)	Metiskow 648S_T1
	7L128 (Coyote Lake 963S To P2263 Tap)	Nevis 240/138 kV Transformer
	7L128 (Coyote Lake 963S To P2263 Tap)	
	9L20 (Nevis 766S to Cordel 755S)	
	7L60 (Oyen 767S to P2421 Tap)	Paintearth 863S -901T_902T
	7L132 (Oyen 767S to Lanfine 959S)	
	7L60 (Oyen 767S to P2421 Tap)	Pemukam 240/138 932S901T
	866L (Spalding 1059S to Killarney Lake 267S)	Provost Transformer 545S_T1
	174L (Bardo 197S to North Holden 395S)	
	912L (Nevis 766S to Red Deer 63S)	
	9L20 (Nevis 766S to Cordel 755S)	

Notes:

[a] Refers to violations that only occurred in sensitivity scenarios.

[b] "New" refers to New RAS defined for this project P2460.

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 5, 6, 7 & 9 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 A6. 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 5: Post-Project 2028 High Generation Summer Light

Category B Conditions

The thermal and voltage criteria observed under certain Category B conditions in the post-Project studies were mitigated by RASs as shown in Table 5-3.

After RAS actions were complete, real-time operational practices are required to fully alleviate certain thermal criteria violations observed on transmission line 7L60 (Oyen 767S to P2421 Tap) & 7L132 (Oyen 767S to Lanfine 959S).

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

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
748L (Hayter 277S to Killarney Lake 267S)	749AL (749AL Tap to Spalding 1059S)	120.95	133.01	150.77	124.65	11.13	9.20
953L (Nilrem 574S to Cordel 755S)	704L (Wainwright 51S to Tucuman 478S)	75.00	83.00	83.62	111.49	58.95	78.6
398L (Provost 544S to Hayter 277S)	749AL (749AL Tap to Spalding 1059S)	120.95	133.01	136.79	113.10	27.09	22.40
1047L (Hansman Lake 650S to Nilrem 574S)	472L (Metiskow 648S to Sunken Lake 221S Tap)	121.00	133.00	134.74	111.36	103.33	85.40
9L24 (Lanfine 959S to Oakland 946S)	7L60 (Oyen 767S to P2421 Tap)	110.20	122.70	213.21	193.47	146.24	132.70*
	7L132 (Oyen 767S to Lanfine 959S)	112.12	138.00	222.00	198.00	149.34	133.20*
Provost Transformer 545S_T1	749AL (749AL Tap to	120.95	133.01	136.95	113.23	27.09	22.40

	Spalding 1059S)						
Hayter 277S Transformer T1	749AL (749AL Tap to Spalding 1059S)	120.95	133.01	150.87	124.74	11.13	9.20
Hayter 277S Transformer T2	749AL (749AL Tap to Spalding 1059S)	120.95	133.01	143.99	119.05	18.75	15.50

Notes:

*Overloads remaining after RAS action are mitigated by real-time operational practices, including pre-contingency curtailment.

5.3.2 Scenario 6: Post-Project 2028 High Generation Summer Peak

Category B Conditions

The thermal and voltage 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 transmission line 7L60 (Oyen 767S to P2421 Tap) & 7L132 (Oyen 767S to Lanfine 959S).

Table 5-4: 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
748L (Hayter 277S to Killarney Lake 267S)	749AL (749AL Tap to Spalding 1059S)	120.95	133.01	138.76	114.73	12.09	10.00
7L159 (GhostPine 114S to Heatburg 948S)	7L128 (Coyote Lake 963S to P2263 Tap)	162.90	186.90	200.03	122.79	108.82	66.80
7L16 (Heatburg 948S to Nevis 766S)	7L128 (Coyote Lake 963S to P2263 Tap)	162.90	186.90	198.57	121.89	107.35	65.90
9L29 (Oakland 946S to Coyote Lake 963S)	7L159 (GhostPine 114S to Heatburg 948S)	107.33	118.83	130.25	121.35	83.50	77.80
	7L16 (Heatburg 948S to Nevis 766S)	107.33	119.79	127.60	118.88	80.82	75.30

	7L85 (Parker to Bullpound 803S)	138.00	157.20	163.85	118.73	105.71	76.60
	801S (Anderson 801S Transformer T1)	125.00	125.00	167.86	134.29	104.88	83.90
801S (Anderson 801S Transformer T1)	7L128 (Coyote Lake 963S to P2263 Tap)	162.90	186.90	206.98	127.06	115.01	70.60
Coyote Lake 963S - 901 Transformer	7L159 (GhostPine 114S to Heatburg 948S)	107.33	118.83	130.23	121.34	83.50	77.80
	7L16 (Heatburg 948S to Nevis 766S)	107.33	119.79	127.58	118.87	80.82	75.30
	7L85 (Parker to Bullpound 803S)	138.00	157.20	163.90	118.77	105.85	76.70
	801S (Anderson 801S Transformer T1)	125.00	125.00	168.07	134.46	105.13	84.10
398L (Provost 544S to Hayter 277S)	749AL (749AL Tap to Spalding 1059S)	120.95	133.01	133.75	110.59	18.87	15.60
1047L (Hansman Lake 650S to Nilrem 574S)	472L (Metiskow 648 to Sunken Lake 221S Tap)	121.00	133.00	147.96	122.28	116.77	96.50
9L24 (Lanfine 959S to Oakland 946S)	7L60 (Oyen 767S to P2421 Tap)	110.20	122.70	196.12	177.97	136.32	123.70*
	7L132 (Oyen 767S to Lanfine 959S)	112.12	138.00	198.39	176.94	133.76	119.30*
749L (Edgerton 899S to Metiskow 648S)	715L (Provost 545S to Rising Sun Solar Tap)	98.00	108.00	116.47	118.84	37.73	38.50
	748L (Hayter 277S to Killarney Lake 267S)	119.03	131.00	137.96	115.90	12.26	10.30
	749AL (749AL Tap to Spalding 1059S)	120.95	133.01	147.40	121.87	8.59	7.10
	715L (Hansman Lake 650S to 715AL Tap)	98.00	135.00	190.16	194.04	55.37	56.50

	715L (715AL Tap to Rising Sun Solar Tap)	98.00	108.00	190.32	194.20	55.37	56.50
Killarney 138/25 kV 267ST1 Transformer	749AL (749AL Tap to Spalding 1059S)	120.95	133.01	149.14	123.30	9.19	7.60
Provost Transformer 545S_T1	749AL (749AL Tap to Spalding 1059S)	120.95	133.01	134.15	110.91	18.87	15.60
Hayter 277S Transformer T1	749AL (749AL Tap to Spalding 1059S)	120.95	133.01	139.14	115.04	12.09	10.00
Hayter 277S Transformer T2	749AL (749AL Tap to Spalding 1059S)	120.95	133.01	135.94	112.39	15.12	12.50
Metiskow 648S_T1	715L (715AL Tap to Rising Sun Solar Tap)	98.00	108.00	114.70	117.04	19.50	19.90
885L (Metiskow 648S to Hansman 650ST1)	749AL (749AL Tap to Spalding 1059S)	120.95	133.01	201.90	166.93	53.58	44.30

Notes:

*Overloads remaining after RAS action are mitigated by real-time operational practices, including pre-contingency curtailment.

5.3.3 Scenario 7: Post-Project 2028 High Generation Winter Peak

Category B Conditions

The thermal and voltage 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 transmission line 703L (Hardistry to HRT Express 329S Tap), 472L (Metiskow 648S to Sunken Lake 221S Tap), and 9L59AL (Tinchebray 972S to Garden Plain 1045S) .

Table 5-5: 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**
953L (Nilrem 574S to Cordel 755S)	704L (Wainwright 51S to Tucuman 478S)	79.00	87.00	89.71	113.55	75.92	96.1

9L24 (Lanfine 959S to Oakland 946S)	7L60 (Oyen 767S to P2421 Tap)	146.60	167.70	179.19	122.23	72.86	49.70
	7L132 (Oyen 767S to Lanfine 959S)	140.88	171.54	199.40	141.54	83.12	59.00
1047L (Hansman Lake 650S to Nilrem 574S)	703L (Hardisty to HRT Express 329S Tap)	96.00	143.00	155.78	162.28	113.09	117.80*
	472L (Metiskow 648 to Sunken Lake 221S Tap)	150.00	165.00	199.26	132.84	155.40	103.60*
	703L (Hughenden 213S to HRT Express 329S Tap)	145.00	160.00	161.32	111.26	118.61	81.80
	472L (Hughenden 213S to Sunken Lake 221S Tap)	133.00	155.00	165.36	124.30	122.63	92.20
749L (Edgerton 899S to Metiskow 648S)	715L (Hansman Lake 650S to 715AL Tap)	131.94	145.09	168.18	127.46	129.83	98.40
	715L (715AL Tap to Rising Sun Solar Tap)	131.94	145.09	168.29	127.55	130.09	98.60
885L (Metiskow 648S to Hansman 650ST1)	749AL (749AL Tap to Spalding 1059S)	147.96	163.00	179.54	121.34	36.99	25.00
EATL	704L (Wainwright 51S to Tucuman 478S)	79.00	87.00	88.41	111.91	76.55	96.9
	9L62 (Gaetz to Tinchebray 972S)	831.38	831.38	985.28	118.51	776.51	93.4
	9L59AL (Tinchebray 972S to Garden Plain 1045S)	499.00	499.00	525.47	105.30	643.71	129.0*

Notes:

*Overloads remaining after RAS action are mitigated by real-time operational practices, including pre-contingency curtailment.

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 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 constraint effective factor studies are provided in Attachment A7.

Attachment A1
Engineering Connection Assessment: Study Scope

Engineering Connection Assessment: Study Scope

P2460 ABO Fox Meadows Wind

ABO Wind Canada Ltd.

Date: January 3, 2024

Version: V1

Classification: Public

Company Name	Name and Credentials	Date	Signature
Hardline Engineering Ltd.	Rafae Malik, P.Eng., M.Eng.	2024-03-06	
AESO	Roozbeh Sadeghi, P .Eng	March 11,2024	RSadeghi
ABO Wind Canada Ltd. (Market Participant)	Emma Wilson	March 4, 2024	
AltaLink (Transmission Facility Owner)	Damian Anderson	Feb. 28, 2024	Anderson, Damian Digitally signed by: Anderson, Damian DN: CN = Anderson, Damian email = Damian.Anderson@AltaLink.ca OU = ALM, Corporate, Users, HO Date: 2024.02.28 14:30:56 -07'00'

Contents

1 Introduction 1
1.1 Project Overview 1
1.2 Existing System Overview 2
1.2.1 Study Area 2
1.2.2 Existing Constraints 2
2 Connection Alternatives to be Studied 4
2.1 Alternative 1 – In and Out connection to the existing 138kV transmission line 749AL 4
3 Criteria, Standards and Requirements 6
3.1 AESO Reliability Criteria 6
3.2 ISO Rules and Information Documents 7
4 Scenarios and Assumptions 8
4.1 Scenarios 8
4.1.1 System Project Assumptions 8
4.1.2 Load Assumptions 9
4.1.3 Generation Assumptions 9
4.1.4 Intertie Flow Assumptions 12
4.1.5 HVDC Power Order Assumptions 12
4.1.6 Protection Fault Clearing Times 13
4.1.7 Project Dynamic Data 14
4.1.8 Voltage Profile Assumption 14
5 Study Methodology 15
5.1 Study Case Validation 16
5.2 Power Flow Studies 16
5.2.1 Contingencies to be Studied 16
5.3 Transient Stability Studies 17
5.3.1 Contingencies to be Studied 17
5.4 Short-Circuit Current Level Studies 17
6 Mitigation Measures 18
6.1 Development 18
6.2 Evaluation 18
6.2.1 Post-Mitigation Studies 18
6.2.2 Constraint Effective Factor Studies 18
7 Changes to Study Assumptions 19

Tables

Table 1-1: Project Overview 1
Table 1-2: Project Load and Generation Details 1

Table 3-1: Post-Contingency Voltage Deviation Guidelines for Low Voltage Busses 7
Table 4-1: Connection Study Scenarios 8
Table 4-2: Planned System Transmission Projects in Central Planning Region 8
Table 4-3: Forecast Load in Central Cluster 9
Table 4-4: Existing Generation (excluding Wind and Solar) Dispatch Conditions in the Central Cluster 9
Table 4-5: Dispatch Conditions for Existing and Planned Wind Generation Facilities in the Central Cluster 10
Table 4-6: Dispatch Conditions for Existing and Planned Solar Generation Facilities in the Central Cluster 11
Table 4-7: Intertie Flows for all Study Scenarios 12
Table 4-8: HVDC to Adjacent AC System MVAr Exchange Limits 12
Table 4-9: Protection Fault Clearing Times 13
Table 5-1: Summary of the Studies to be Performed 15

Figures

Figure 1-1: Transmission System in the Study Area 3
Figure 2-1: Connection Alternative 1 5

Attachments

Attachment A: Transmission Planning Criteria – Basis and Assumptions

1 Introduction

This Study Scope provides an overview of the engineering studies to be completed by Hardline Engineering Ltd. (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

Table 1-1: Project Overview

Market Participant	Type of Project	In-service Date (ISD)
ABO Wind Canada Ltd.	Connection	April 1, 2026

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	1 MW
	Type	Station Service
	Motors (number and size)	N/A
	Power factor	N/A
	Future load expansion plans	No
Generation	Generation type	Wind
	Existing Rate STS, *Supply Transmission Service,* contract capacity	0 MW
	Requested Rate STS	150 MW
	Number and size of generating units	To be determined
	Maximum authorized real power (MARP)	151 MW
	Maximum capability (MC)	150 MW
	Reactive power capability	0.95 pf absorbing
		0.9 pf producing
	Future generation expansion plans	No

Project Component	Description

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 (37).

The Study Area consists of the AESO planning areas of Provost (Area 37), Sheerness (Area 43), Lloydminster (Area 13), Wainwright (Area 32), Hanna (Area 42), Vegreville (Area 56) and Alliance/Battle River (Area 36), 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

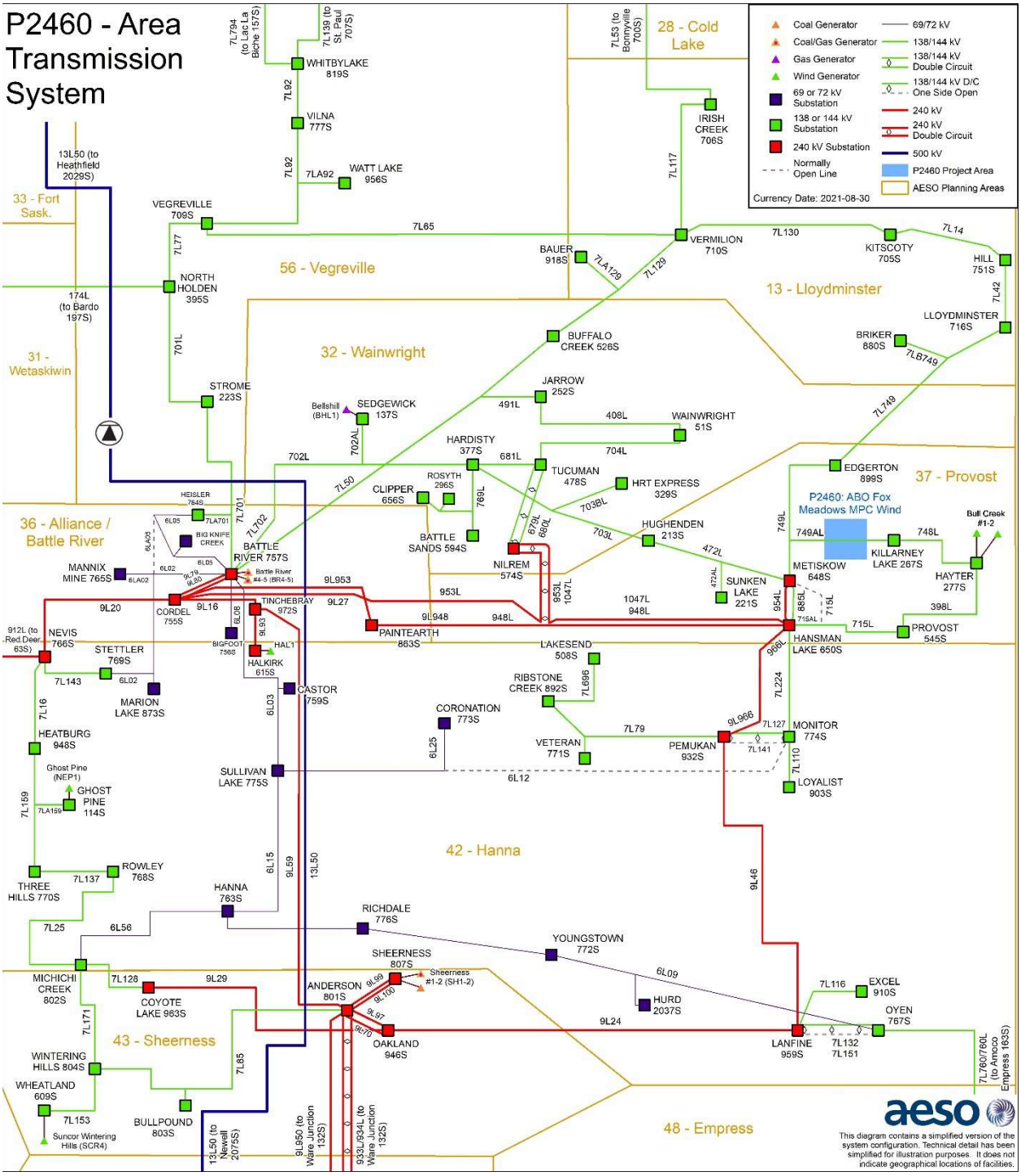
Existing constraints in the Study Area are managed in accordance with the procedures set out in Section 302.1 of the ISO rules, *Real Time Transmission Constraint Management* (TCM Rule).

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:

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

Figure 1-1: Transmission System in the Study Area



2 Connection Alternatives to be Studied

The following alternative will be studied:

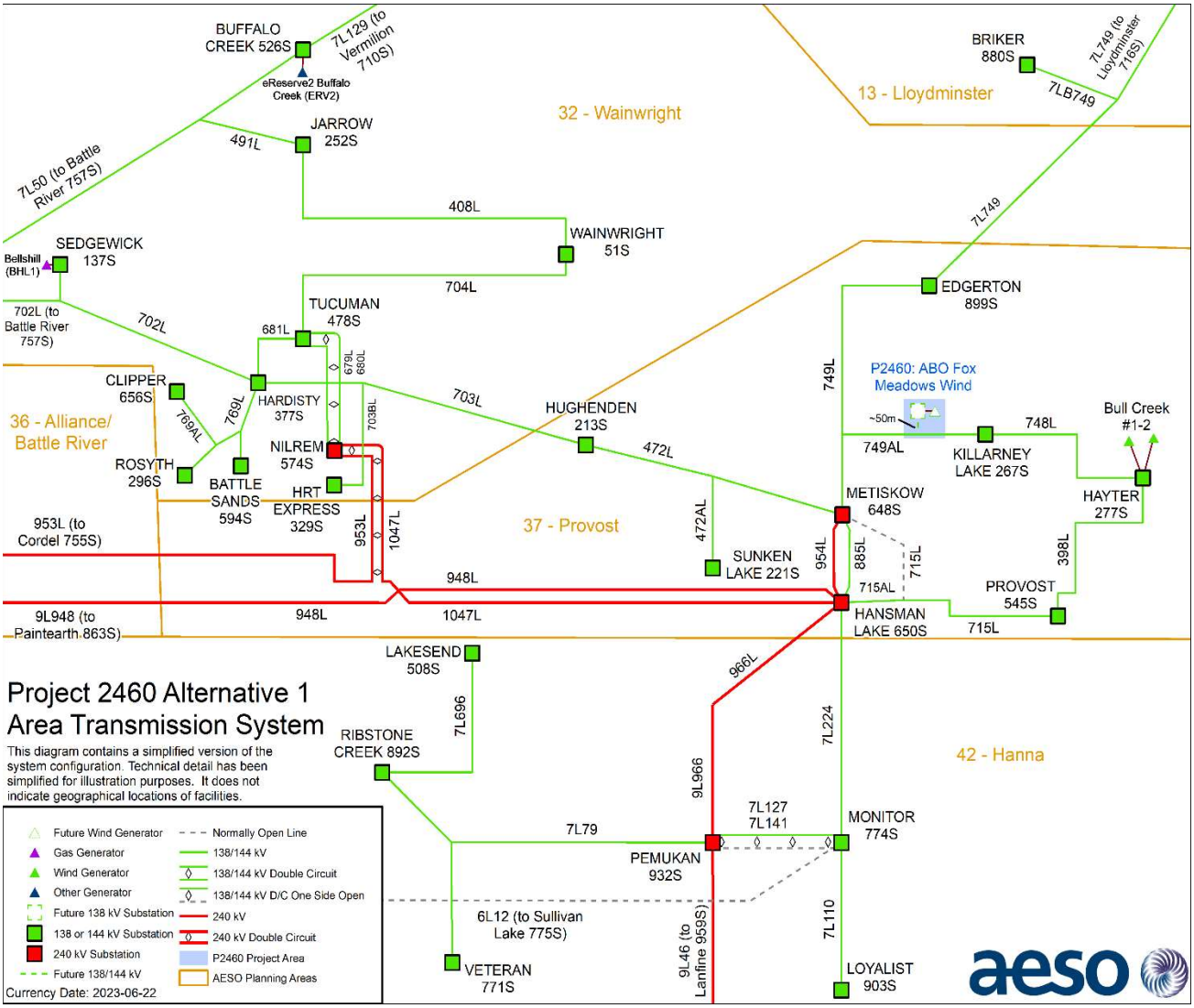
2.1 Alternative 1 – In and Out connection to the existing 138kV transmission line 749AL

This alternative included the following developments:

- Add a 138 kV switching substation, including adding three 138 kV circuit breakers;
- Connect the switching station to the 138 kV transmission line 749AL (between existing Killarney Lake 267S and 749AL TAP) using an in-and-out configuration;
- Add one 138 kV circuit, approximately 50m in length, to connect the Facility to the switching substation; and
- Add or modify associated equipment as required for the above transmission developments.

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

Figure 2-1: Connection Alternative 1



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, TPL-002-AB1-0, have referenced Applicable Ratings when specifying the required system performance under Category A, 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.

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*.

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

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
Pre-Project Sensitivity without CETO online					
4	2028SP	HG	2028 SP HG Pre-Project Sensitivity	0	0
Post-Project					
5	2028 SL	HG	2028 SL HG Post-Project	0	150
6	2028 SP	HG	2028 SP HG Post-Project	0	150
7	2028 WP	HG	2028 WP HG Post-Project	0	150
8	2033 WP	All study area generation in-service	2033 WP Post-Project	0	150
Post-Project Sensitivity without CETO online					
9	2028 SP	HG	2028 SP HG Post-Project Sensitivity	0	150

4.1.1 System Project Assumptions

Table 4-2 lists the system transmission projects that are planned in the Study Area. Both projects will be considered in the sensitivity studies.

Table 4-2: Planned System Transmission Projects in Central Planning Region

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

[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
Central Planning Region [2]	1,848	1,736	2,081
AIES	11,106	9,709	11,534

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 Preliminary 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.

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
Battle River #4 (BR4)	4	1496	155	36	31	31	31
Battle River #5 (BR5)	G5	1497	385	36	94.8	94.8	94.8
Sheerness #1 (SH1)	G1	1482	400	43	140	140	140
Sheerness #2 (SH2)	G2	1487	390	43	140	140	140

Notes:
[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.
[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[1] 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
Fortis Bull Creek Phases 1 and 2 (BUL1 & BUL2)	37	550003	29	10	2.9	10.2
		550004		11	5	13.7
Garden Plain (GDP1)	42	565002	130	130	85.3	130
Ghost Pine (NEP1)	42	2621	82	15	3.6	14.8
		2622		15	3.6	14.8
		2623		11	2.7	11.1
		2624		15	3.6	14.8
		2625		19	4.5	18.5
Grizzly Bear Creek (GRZ1)	13	67308	152	45	29.9	45
Halkirk (HAL1)	42	66435	150	69	53.9	70.2
		67435		72	56.1	73
Hand Hills (HHW1)	42	560045	145	115	57.1	92
Lanfine Wind (LAN1)	42	60996	151	138	103	145
EDPR Sharp Hills Wind Farm	42	60831	248.4	196	121.5	195.6
		60832		92	57.2	92.1
Paintearth Wind Power / Paintearth Wind Power Phase 2	42	61418	99	99	99	99
		62418	99	91	46.9	91
Lone Pine MPC Wind	42	561103	466	212	158.9	233
		561104		212	158.9	233
RESC Oyen MPC Wind	42	560032	250	250	192	250
Capital Power Halkirk 2 Wind	36	60467	150	141	110	143.2
ABO Fox Meadows Wind	37	560039	150	150	150	150
CP Rolling Hills MPC Wind	37	560235	190	135	59.5	162.7
BluEarth Prairie Yarrow MPC Wind	37	560273	222	53	23.5	64.2

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.
[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.

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

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
Empress Solar Park (EMP1)	39	4366	38.5	18	17.7	9.7
		4266		13	12.8	7
Innisfail (INF1)	39	557120	22	8	7.7	6.2
Kneehill Solar (TRH1)	42	19433	25	0	0	0
		552433				
Michichi Creek (MCH1)	42	557448	13.5	11	0	5.9
Michichi Solar (MIC1)	42	554448	25	25	25	10.9
Youngstown Solar (YNG1)	42	19476	6	5	4.8	2.6
ATCO Michichi DER Solar	42	552448	75	19	22	16.4
		553448		22	22	16.4
		552450		16	11.3	0
ATCO Vilna 777S DER Solar	56	19357	5	0	0	0
RESC Big Sky Solar	56	560051	140	0	0	60.2
ATCO Oyen 767S DER Solar	42	19474	15	12	12.1	6.5
FortisAlberta Metiskow 648S DER Solar	37	557074	22.5	11	18.4	8.7
Phoenix MPC Solar	35	560362	299	72	119.7	56.6
		560365		72	119.7	56.6
Cache Rising Sun MPC Solar	37	562046	125	98	97.7	53.7
Kneehill MPC Solar	42	560106	450	176	175.9	96.7
		560103		176	175.9	96.7
Dolcy Solar Battery	37	567158	200	32	53.4	25.2
		567157		32	53.4	25.2
		567156		32	53.4	25.2
Eastervale Solar Battery	37	564092	300	48	80.1	37.9
		563092		48	80.1	37.9
		562092		48	80.1	37.9
Fortis Aura Provost DER Solar	37	4086	22.5	11	18	8.5
UK Solar East MPC	42	561042	401	156	156.8	89.1
		562042		156	156.8	89.1
Sundre 575S DER Solar	38	4107	14.6	12	12.1	6.5
Mannix MPC Solar Battery	36	566011	59	0	0	0
Harvest Sky MPC Solar Battery	42	566013	15	0	0	0
		566014		0	0	0

Springbrook MPC Solar	35	568204	300	73	120.1	56.8
		568207		73	120.1	56.8
FortisAlberta Killarney Lake 267S DER Solar/Battery Storage	37	4219	22.5	11	18	8.5
FortisAlberta Joffre 535S DER Solar 1	35	2886	25	0	0	0
FortisAlberta Joffre 535S DER Solar 2	35	2383	22	0	0	0
Fortis Moon Lake DER Solar	30	4028	18.4	9	14.7	7

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

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.

The reactive power limits of the MVAr exchanges between the HVDC terminals (WATL and EATL) and the connected alternating current (AC) transmission systems are shown in Table 4-12. These limits must be maintained when performing the studies.

Table 4-8: HVDC to Adjacent AC System MVAr Exchange Limits

HVDC Facility	North Terminal Reactive Power Limit (MVAr)	South Terminal Reactive Power Limit (MVAr)
EATL	-85 to 75	-35 to 35
WATL	-75 to 75	-35 to 35

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 TFOand as shown in Table 4-9. Only those contingencies shown in Table 4-9 will be studied for transient stability studies. If the TFOdid 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*.

Table 4-9: Protection Fault Clearing Times

Contingency (System Element Lost)	Fault Location	Clearing Times (Cycles)	
		Near End	Far End
749L (Metiskow 648S – P2460 I/O – Edgerton 899s) [2]	Killarney lake 267S	9	30
	Metiskow 648S	9	30
	Edgerton 899S	9	30
749AL (Killarney Lake 267s – P2460 I/O)	Killarney lake 267S	9	30
	P2460 I/O		
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
681L (Tucuman 478S – Hardisty 377S)	Tucuman 478S	9	30
	Hardisty 377S	9	30
769L (Rosyth 296s – Hardisty 377s)	Hardisty 377S	9	60
	Rosyth 296s	9	60
472L (Metiskow 648S - Sunken Lake 221S Tap - Hughenden 213S) [3]	Metiskow 648S	9	30
	Hughenden 213S)	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

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

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

	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
703L (Hughenden 213S – Hardisty 377S)	Hughenden 213S	9	60
	Hardisty 377S	9	60
7L224 (Hansman Lake 650S – JCT. Eyre 558S – Monitor 774S) [4]	Hansman Lake 650S	9	30
	Monitor 774S	9	30
966L/9L966 (Hansman Lake 650S – Pemukan 932S)	Hansman Lake 650S	5	6
	Pemukan 932S	5	6

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.

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

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
Pre-Project Sensitivity without CETO online										
4	2028 SP HG Pre-Project Sensitivity	X	X							
Post-Project										
5	2028 SL HG Post-Project	X	X			X	X			
6	2028 SP HG Post-Project	X	X			X	X			
7	2028 WP HG Post-Project	X	X			X	X			X
8	2033 WP Post-Project									X
Post-Project Sensitivity without CETO online										
9	2028 SP HG Post-Project Sensitivity	X	X							

Note: X* Only required if post-Project studies show potential transient stability issues.

For the engineering studies, all transmission facilities 69 kV and above, within the Study Area and the transmission lines connecting the study area to neighbouring 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 Consultant 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.

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 Transient Stability Studies

The Genesee generating 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 renewable and non-renewable generation units in the study area. The results report must also provide the 69kV and above 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.

5.3.1 Contingencies to be Studied

Transient stability studies will be performed for the contingencies shown in Table 4-9.

5.4 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 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:

- Killarny Lake 267s
- Metiskow 648s
- Hayter 277s
- Hansman Lake 650s
- Hughenden 213s
- Edgerton 899s
- Sunken Lake 221s
- Provost 545s
- The proposed collector substation of the Facility (P2460)

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.

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[5] 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.

[5] 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.

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.

Attachment A: Transmission Planning Criteria – Basis and Assumptions

APPENDIX G AESO TRANSMISSION PLANNING CRITERIA – BASIS AND ASSUMPTIONS

Transmission Planning Criteria - Basis and Assumptions

Version 1.0

2500, 330-5th Avenue SW, Calgary, Alberta T2P 0L4 Phone: 403-539-2450 Fax: 403-539-2949
www.aeso.ca www.poweringalberta.com

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-AB-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-AB-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 these standards are given in: AESO. *Alberta Reliability Standards*. Available from http://www.aeso.ca/rulesprocedures/17004.html

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	152
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 or 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

Performance Level	Disturbance (1)(2)(3)(4) Initiated by: Fault or No fault DC Disturbance	MW Margin (P-V method) (5)(6)(7)	MVAr Margin (V-Q method) (6)(7)
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. i.e.: 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	Near End	Far End
kV	**Cycles**	**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

Fault Clearing Time			Fault Clearing Time			Fault Clearing Time		
138/144 kV			240 kV			500 kV		
Near End	Far End	2nd Ckt (for C5 and C7 Only)	Near End	Far End	2nd Ckt (for C5 and C7 Only)	Near End	Far End	2nd Ckt (for C5 and C7 Only)
15	24	24	12	6	14	9	5	11

Table 2-5: Stuck Breaker Clearing Times for Transformers

Fault Clearing Time (Cycles)						Fault Clearing Time (Cycles)					
240/138 kV						500/240 kV					
Fault on 240 kV Side			Fault on 138 kV Side			Fault on 500 kV Side			Fault on 240 kV Side		
240 kV Side	138 kV Side	2nd Ckt (for Breaker Fail)	138 kV Side	240 kV Side	2nd Ckt (for Breaker Fail)	500 kV Side	240 kV Side	2nd Ckt (for Breaker Fail)	240 kV Side	500 kV Side	2nd Ckt (for Breaker Fail)
12	6	14	15	5	24	9	5	11	12	4	14

ECA Study Scope Amendment

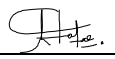
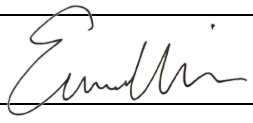
P2460 ABO Fox Meadows Wind

ABO Wind Canada Ltd.

Date: April 23, 2024

Version: V1

Classification: Public

Company Name	Name and Credentials	Date	Signature
Hardline Engineering Ltd.	Rafae Malik	May 23rd, 2024	
AESO	Roozbeh Sadeghi, P .Eng	April 23, 2024	
ABO Wind Canada Ltd. (Market Participant)	Emma Wilson	May 23, 2024	
AltaLink (Transmission Facility Owner)	Maggie Pan	May 23, 2024	

Contents

1 Introduction 2
2 Scope of Change 3
2.1 Scenarios 3
2.2 ISO Rules and Information Documents 3

Tables

Table 2-1: Project Load and Generation Details 3

1 Introduction

The original Study Scope for P2460 – *ABO Fox Meadows Wind* was signed on January 3, 2024.This study scope amendment is triggered due to the following:

- Change in project generation details
- IBR requirements and ISO Rules

2 Scope of Change

The following amendments apply to the Study Scope for the Project. All other study assumptions will be the same as the original signed Study Scope.

2.1 Scenarios

Table 2-1 represents the changes in Table 1-2 in the original signed Study Scope.

Table 2-1: Project Load and Generation Details

Project Component		Description
Load	Existing Rate DTS, *Demand Transmission Service,* contract capacity	No existing contract
	Requested Rate DTS	3.15 MW
	Type	Station Service
	Motors (number and size)	N/A
	Power factor	N/A
	Future load expansion plans	No
Generation	Generation type	Wind Facility + battery storage
	Existing Rate STS, *Supply Transmission Service,* contract capacity	0 MW
	Requested Rate STS	150 MW
	Number and size of generating units	TBD
	Maximum authorized real power (MARP)	151 MW Wind Facility + 70 MW of battery storage
	Maximum capability (MC)	150 MW Wind Facility + 70 MW of battery storage
	Reactive power capability	0.95 pf absorbing
		0.9 pf producing
	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.

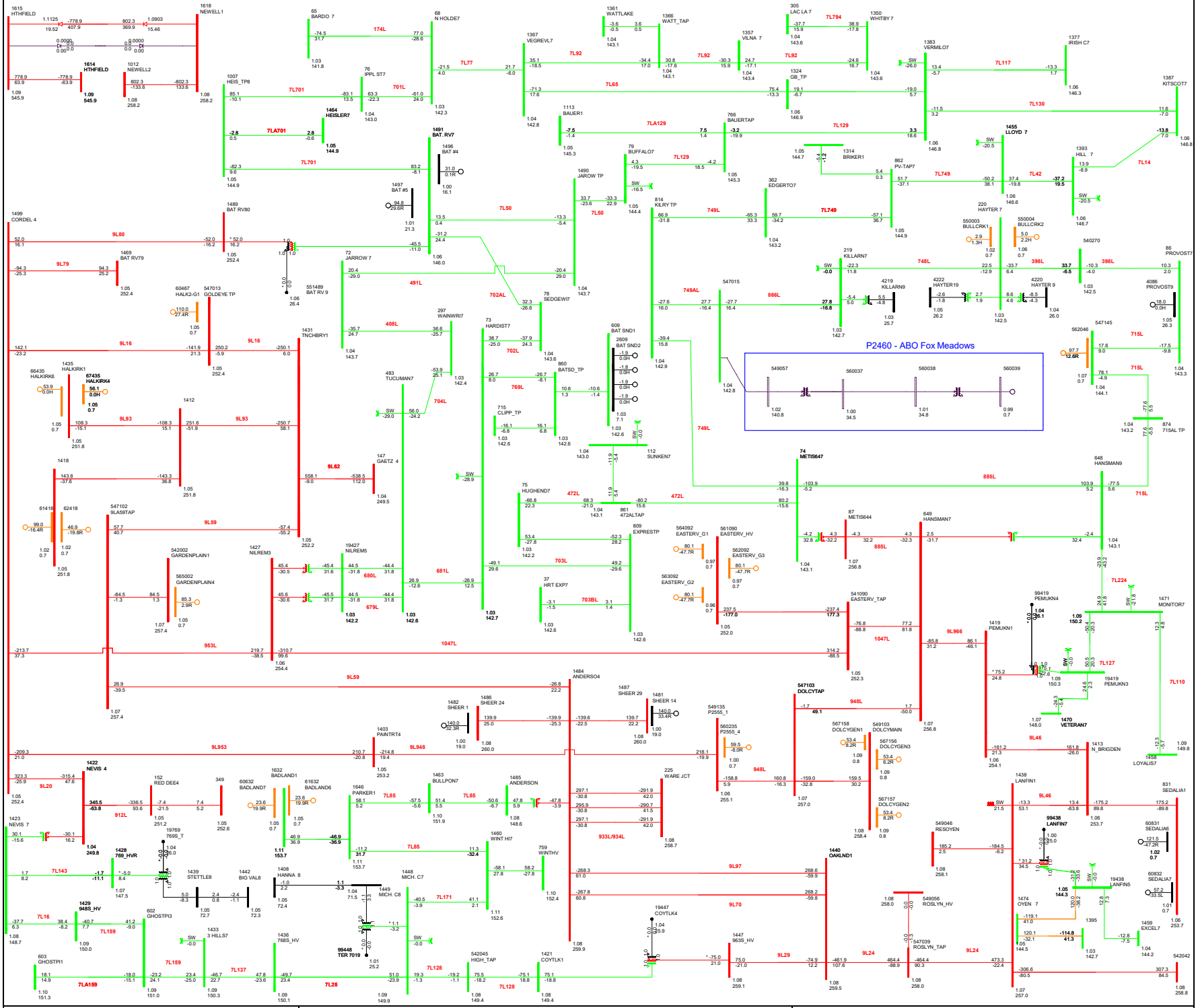
2.2 ISO Rules and Information Documents

The following ISO rule and IBR requriments are the extension of section 3.2 in the study scope:

- The AESO's *Connection Requirements for Inverter-Based Resources (IBRs)*
- Section 502.13 of the ISO rules, Battery Energy Storage Facility Technical Requirements; and

- Section 502.14 of the ISO rules, Battery Energy Storage Facility Operating Requirements.

Attachment A2
Pre-Project Power Flow Diagrams



P2460- ABO Fox Meadows Wind

BC Import: -855.9 MW

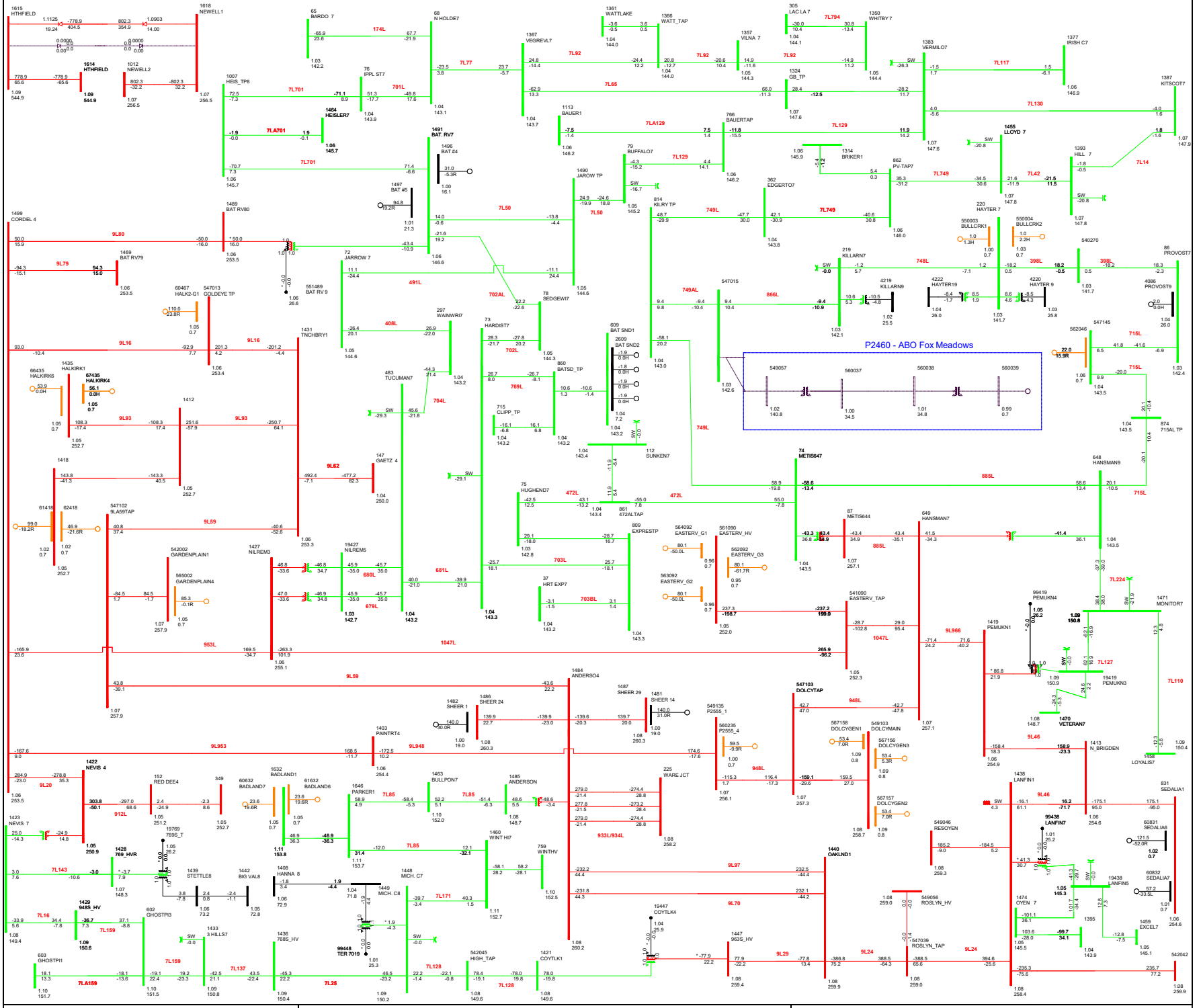
Sask Import: 0.0 MW

MATL: 186.2 MW

FIGURE B0-1-N-0
2028 SUMMER LIGHT - SCN 1 (PRE PROJECT - PRE CURTAILMENT)
THU, AUG 14 2025 21:06

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -868.0 MW

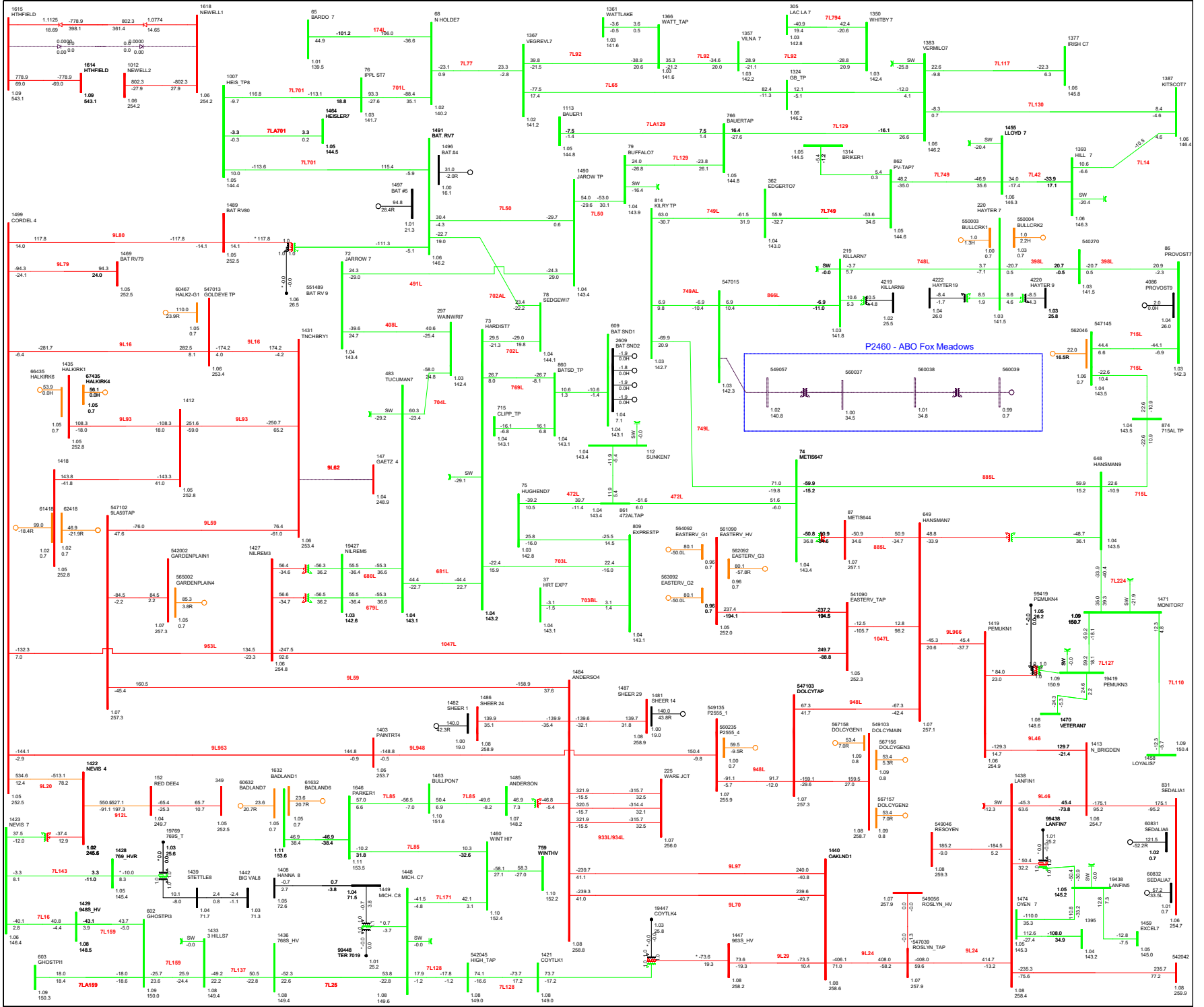
Sask Import: 0.0 MW

MATL: 186.2 MW

FIGURE A0-1-N-0: NORMAL OPERATION
2028 SUMMER LIGHT - SCN 1 (PRE PROJECT)
SAT, AUG 09 2025 0:56

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 **<=500.000** >500.000



P2460- ABO Fox Meadows Wind

BC Import: -815.3 MW

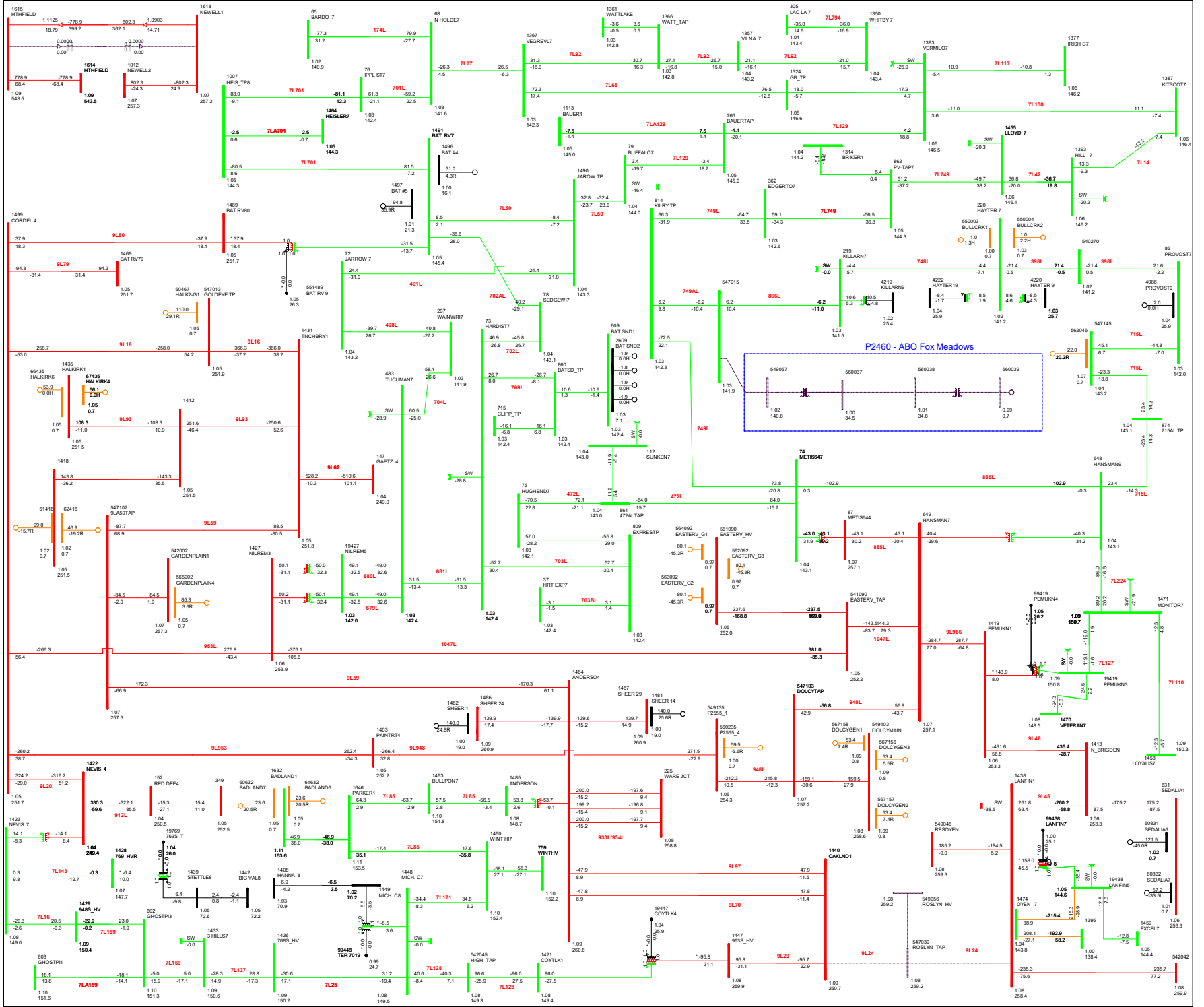
Sask Import: 0.0 MW

MATL: 186.2 MW

FIGURE A1-1-N-1: 9L62-GAETZ TO 972S TINCHEBRAY
2028 SUMMER LIGHT - SCN 1 (PRE PROJECT)
FRI, MAR 28 2025 17:56

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -809.9 MW

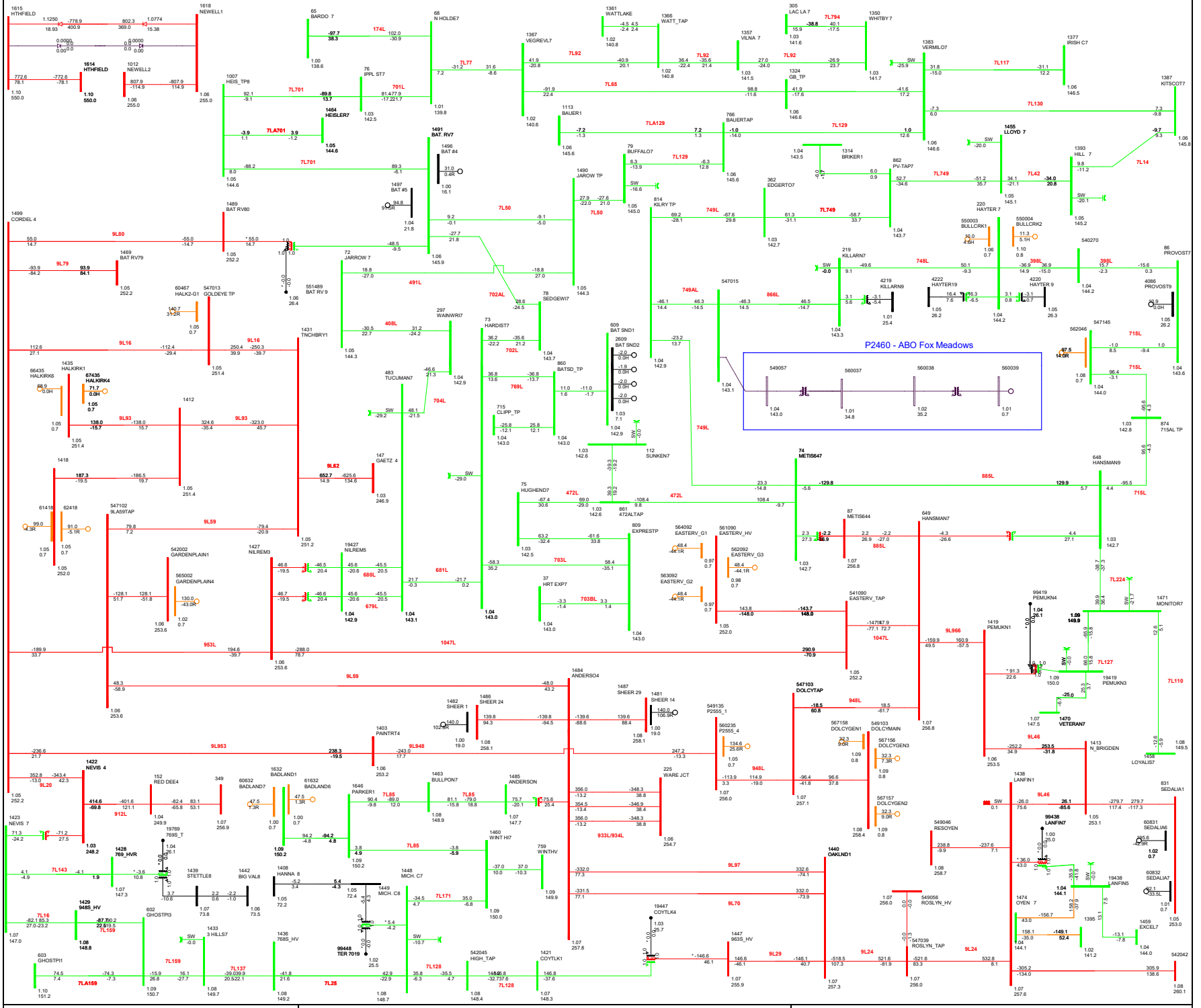
Sask Import: 0.0 MW

MATL: 186.2 MW

FIGURE A1-2-N-1: 9L24-LANFINE 959S TO OAKLAND 946S
2028 SUMMER LIGHT - SCN 1 (PRE PROJECT)
FRI, MAR 28 2025 17:56

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -835.8 MW

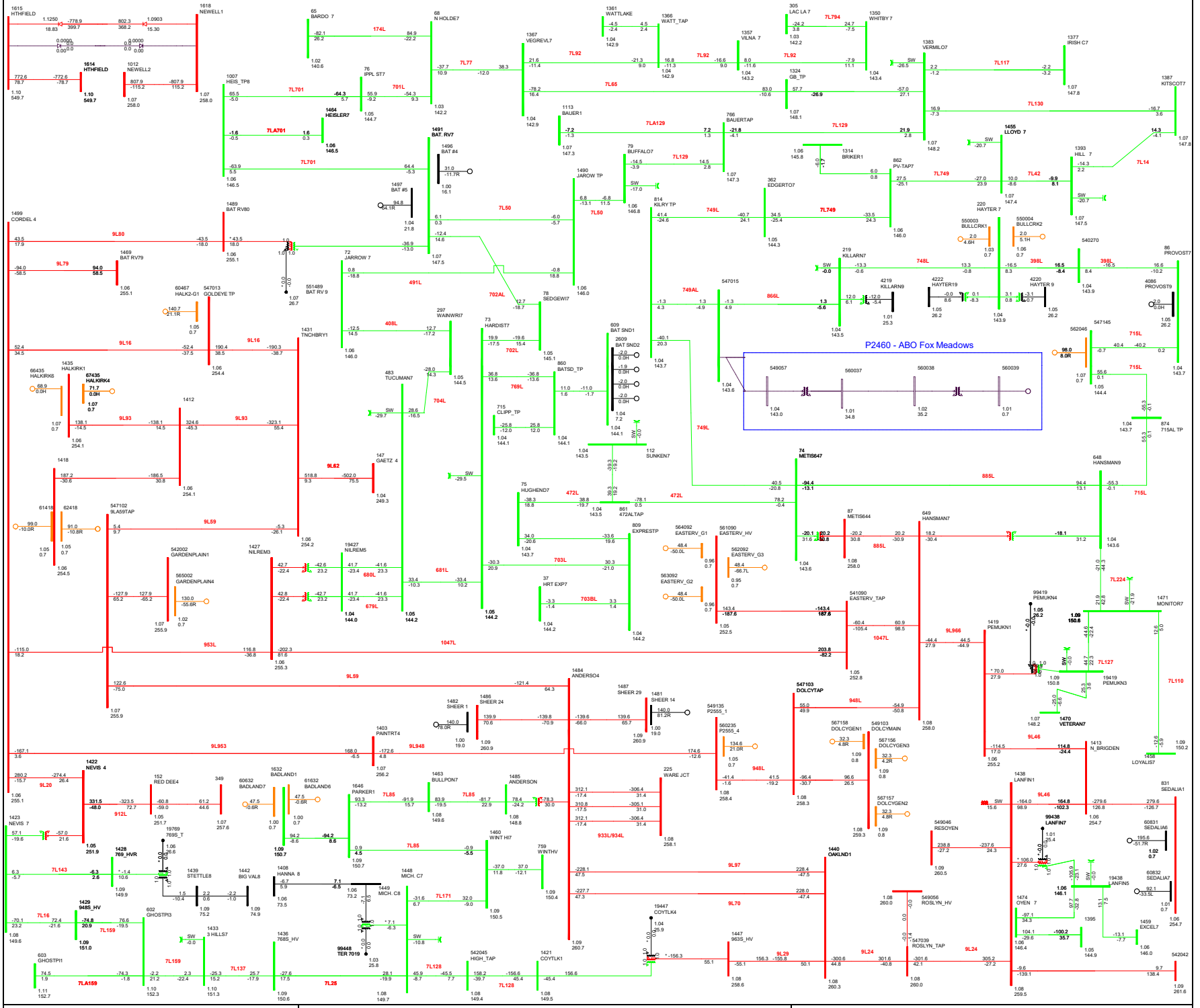
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE B0-2-N-0
2028 SUMMER PEAK - SCN 2 (PRE PROJECT - PRE CURTAILMENT)
THU, AUG 14 2025 21:07

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -851.0 MW

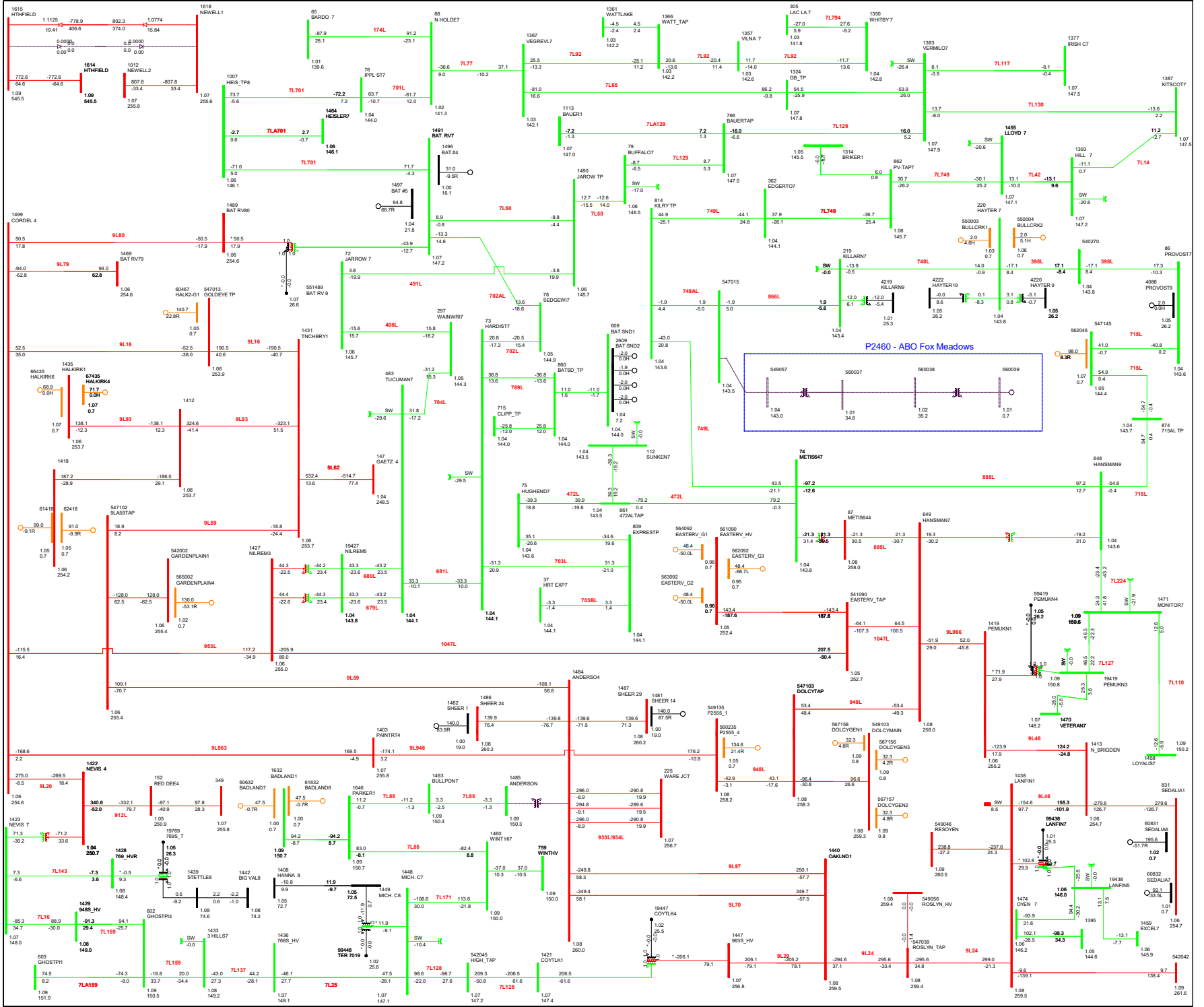
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A0-2-N-0: NORMAL OPERATION
2028 SUMMER PEAK - SCN 2 (PRE PROJECT)
SAT, AUG 09 2025 0:57

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -843.1 MW

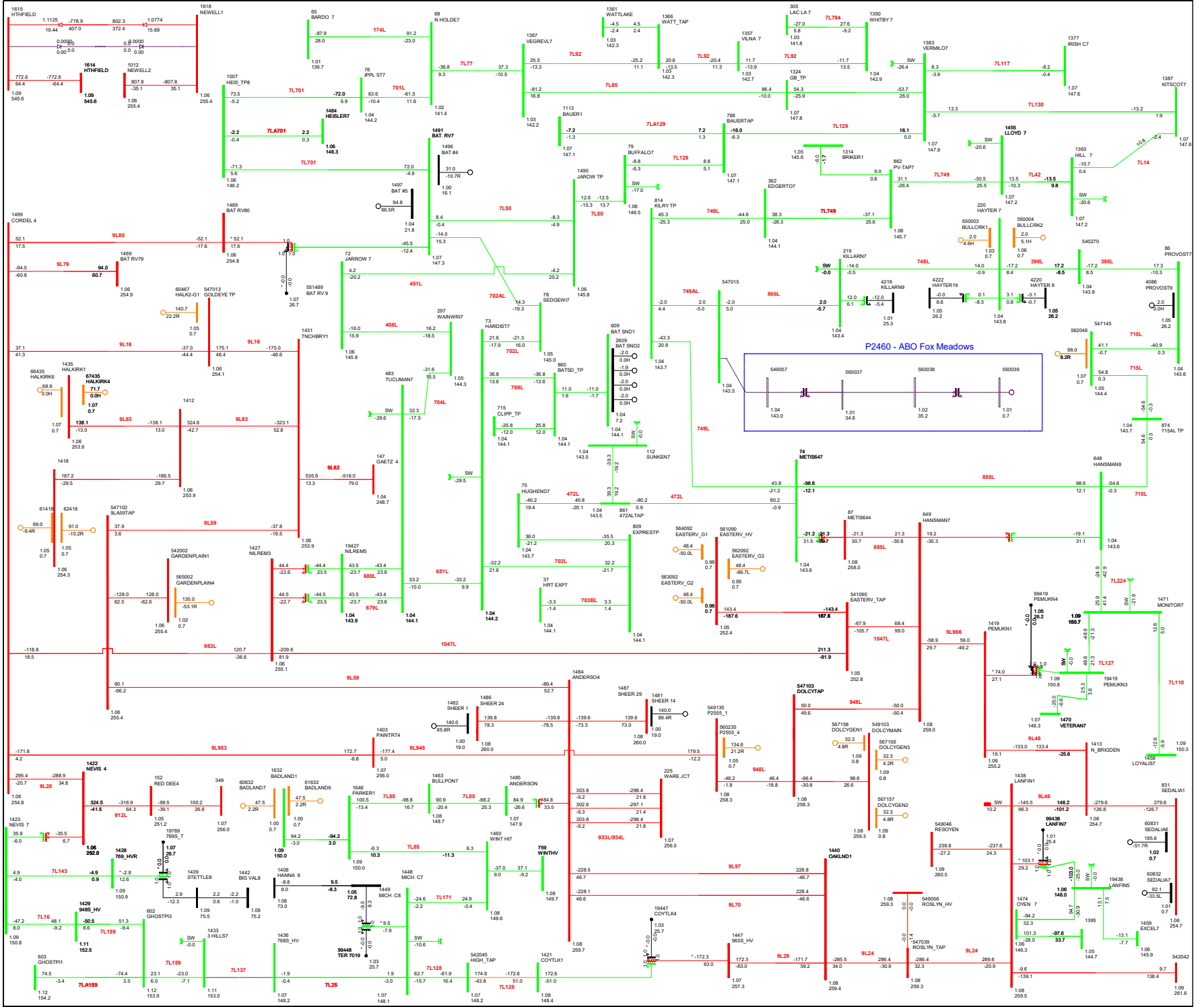
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A2-8-N-1: ANDERSON 801S TRANSFORMER
2028 SUMMER PEAK - SCN 2 (PRE PROJECT)
FRI, MAR 28 2025 17:46

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -852.0 MW

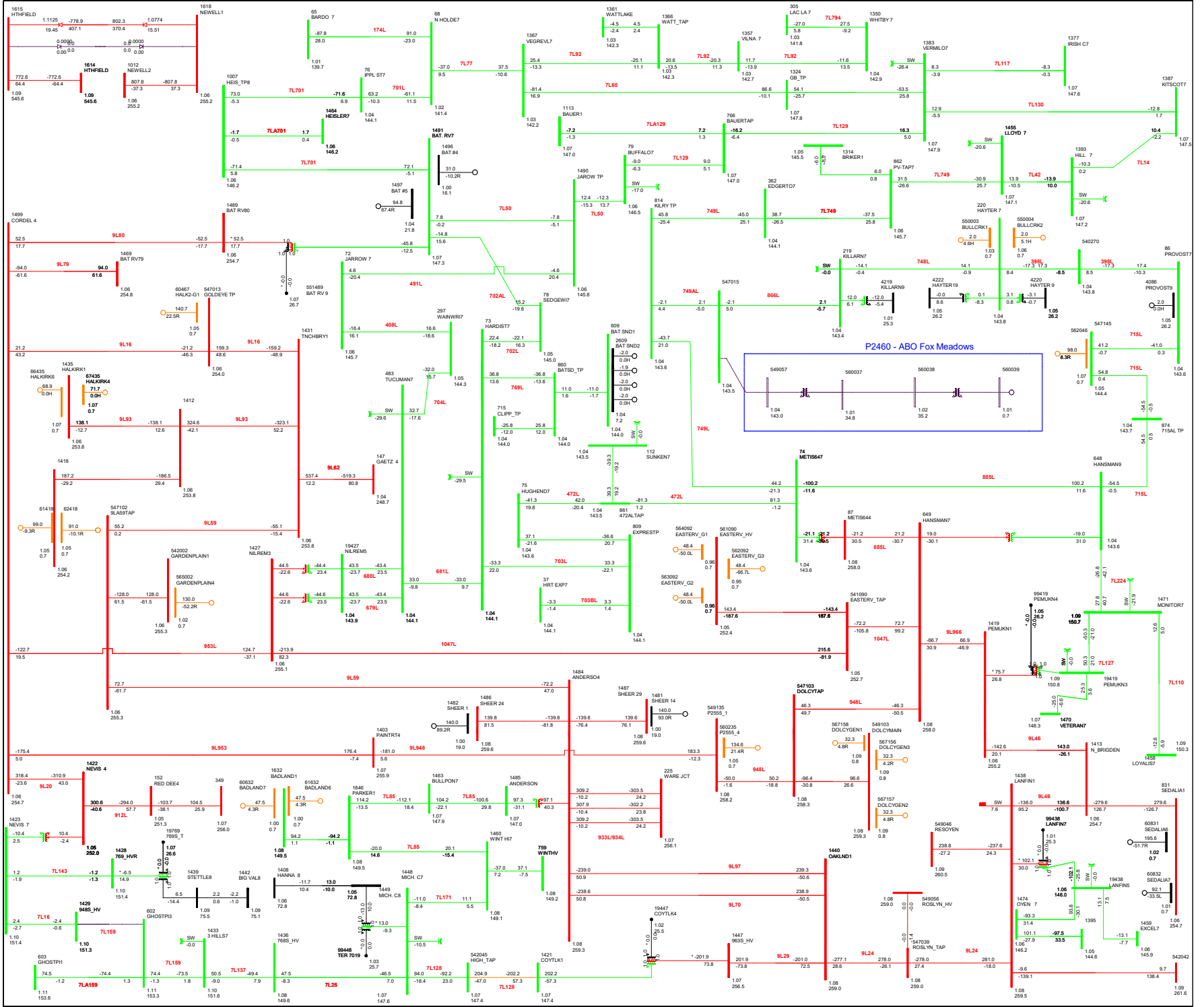
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A2-5-N-1: 7L137-ROWLEY 768S TO THREE HILLS 770S
2028 SUMMER PEAK - SCN 2 (PRE PROJECT)
FRI, MAR 28 2025 17:46

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -845.7 MW

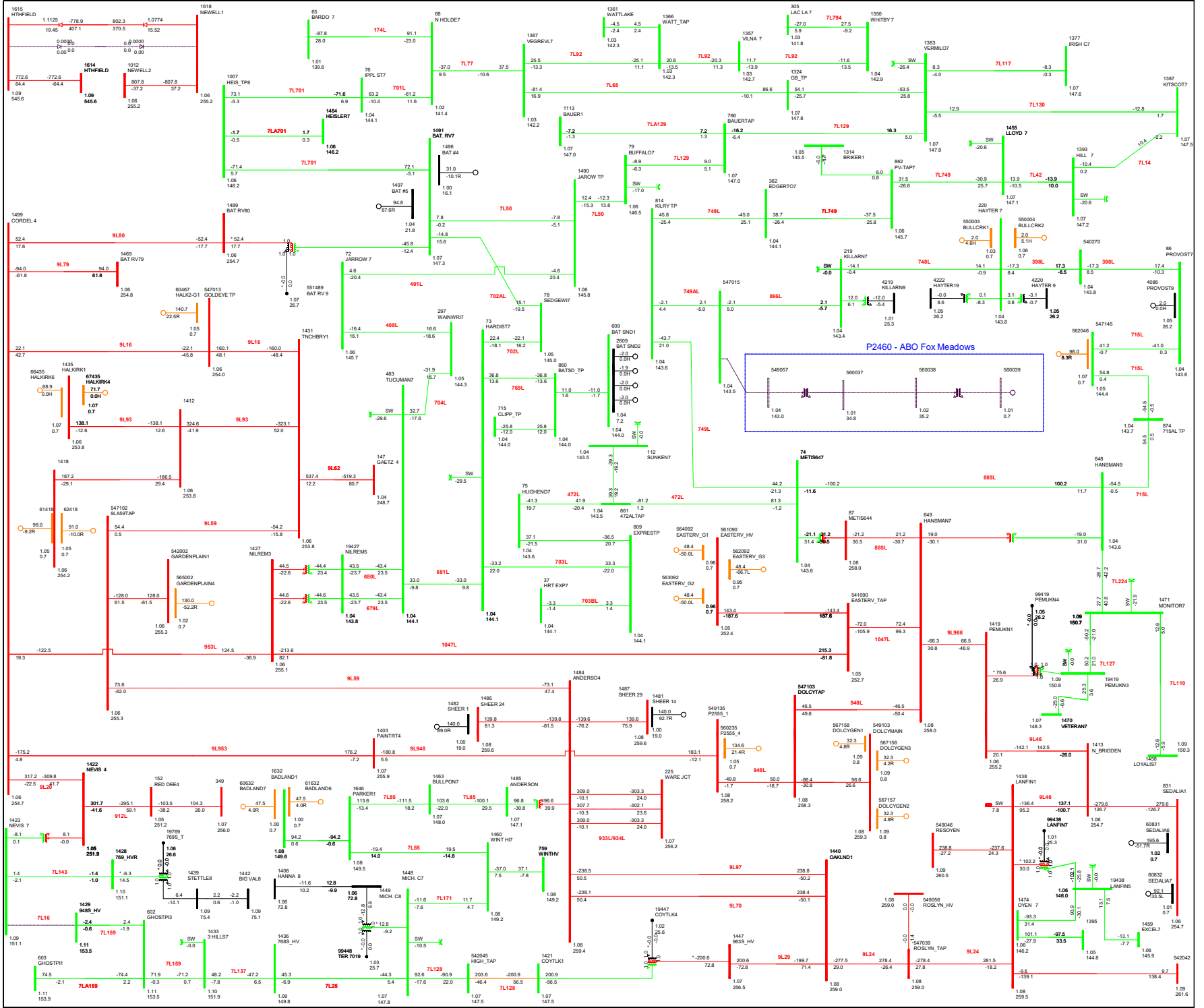
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A2-1-N-1: 7L159-GHOST PINE 114S TO HEARTBURT 948S
2028 SUMMER PEAK - SCN 2 (PRE PROJECT)
FRI, MAR 28 2025 17:45

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -846.2 MW

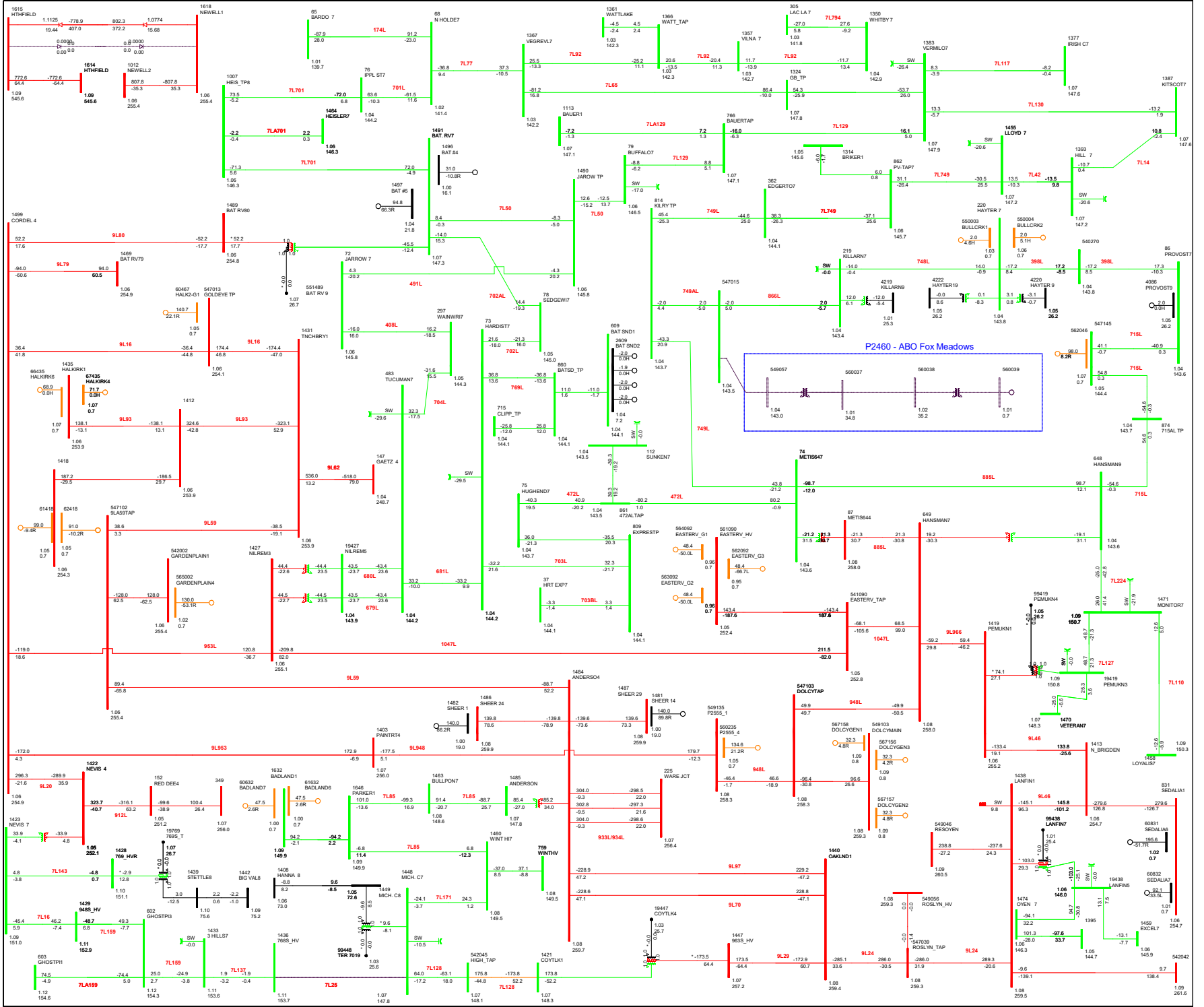
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A2-4-N-1: 7L16-HEARBURG948S TO NEVIS 766S
2028 SUMMER PEAK - SCN 2 (PRE PROJECT)
FRI, MAR 28 2025 17:46

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -851.9 MW

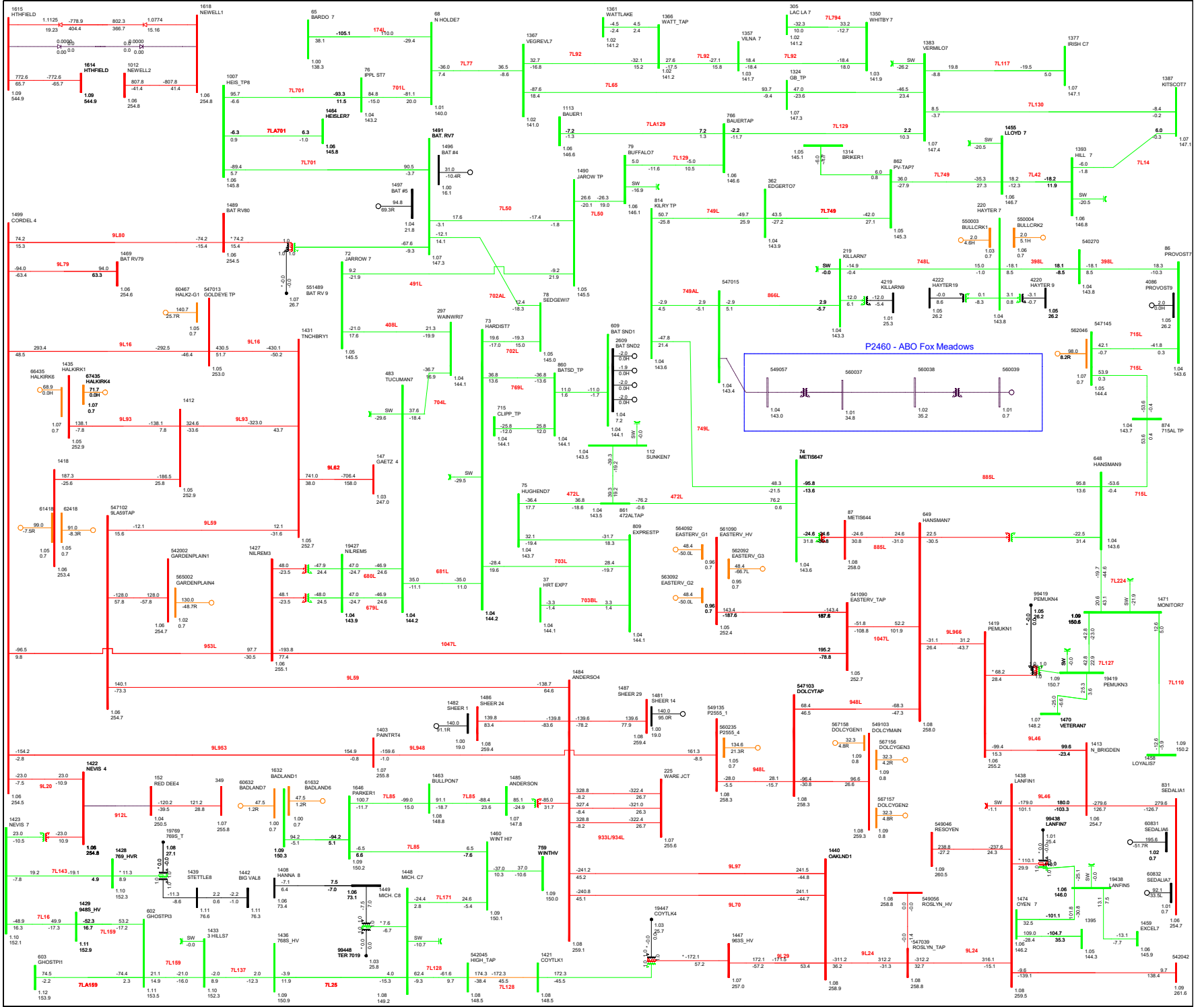
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A2-6-N-1: 7L25-MICHICHI CREEK 802S TO ROWLEY 768S
2028 SUMMER PEAK - SCN 2 (PRE PROJECT)
FRI, MAR 28 2025 17:46

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -830.7 MW

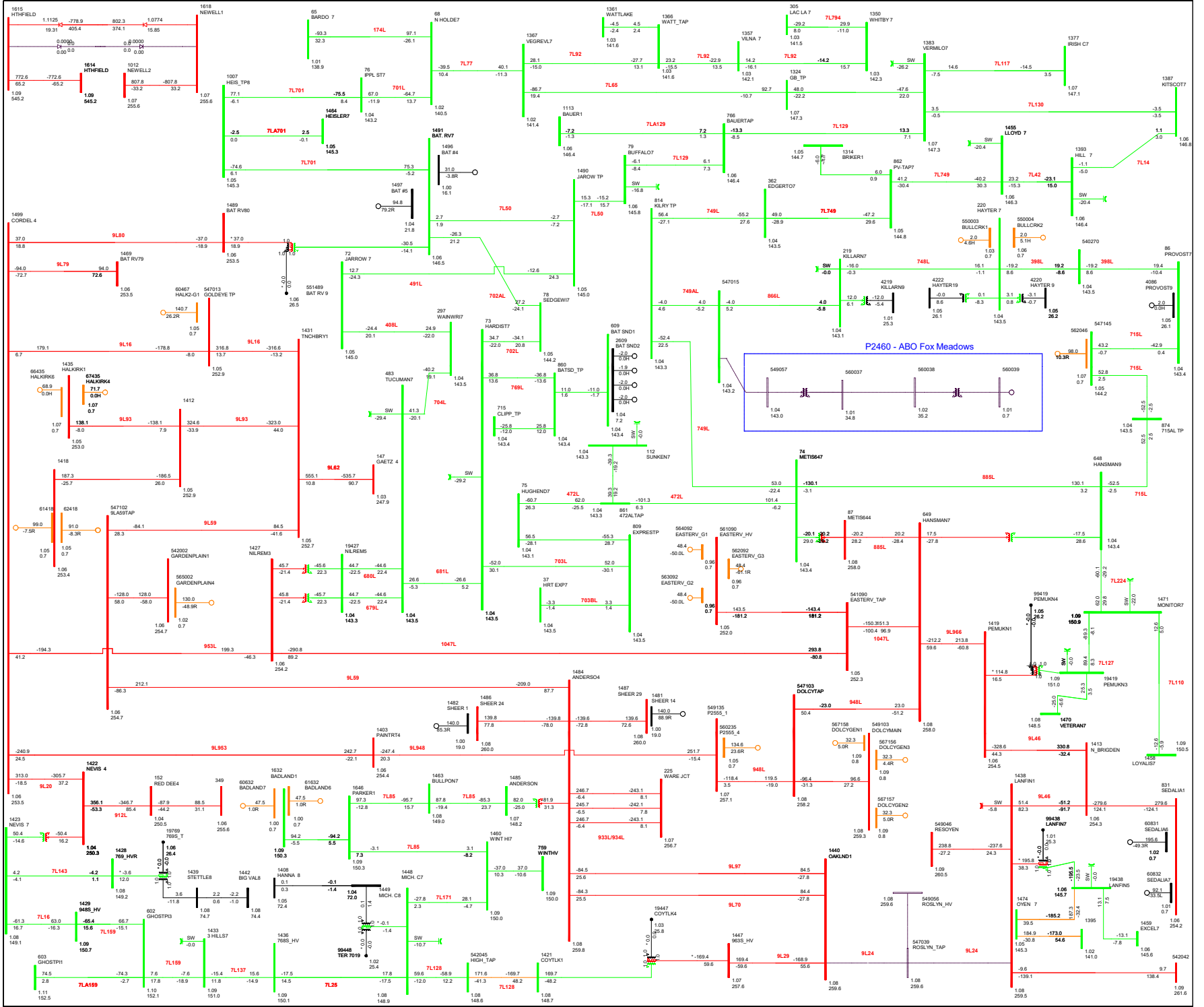
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A2-10-N-1: 912L-NEVIS 766S TO RED DEER 63S
2028 SUMMER PEAK - SCN 2 (PRE PROJECT)
FRI, MAR 28 2025 17:46

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -813.4 MW

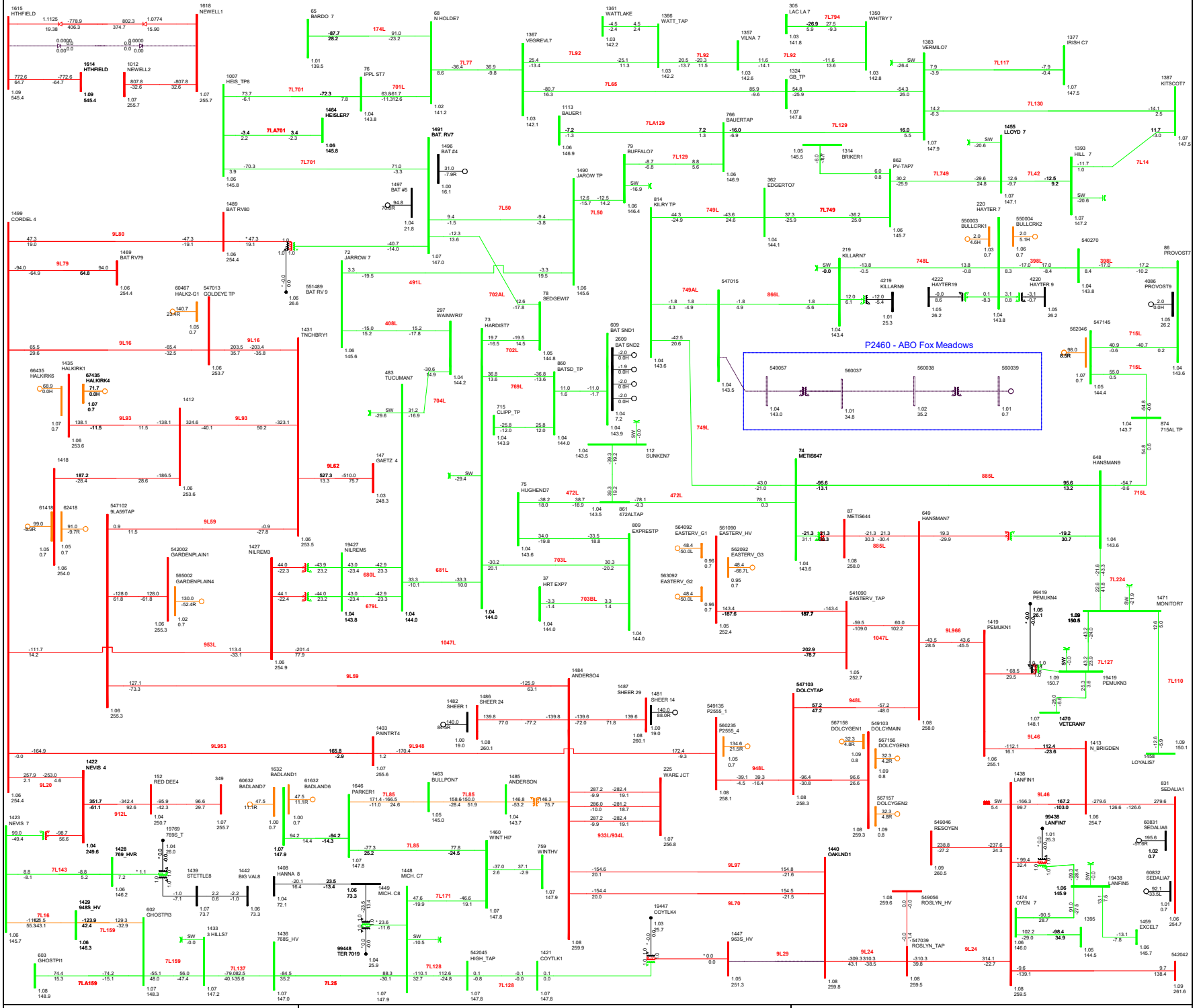
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A2-12-N-1: 9L24-LANFINE 959S TO OAKLAND 946S
2028 SUMMER PEAK - SCN 2 (PRE PROJECT)
FRI, MAR 28 2025 17:46

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -825.1 MW

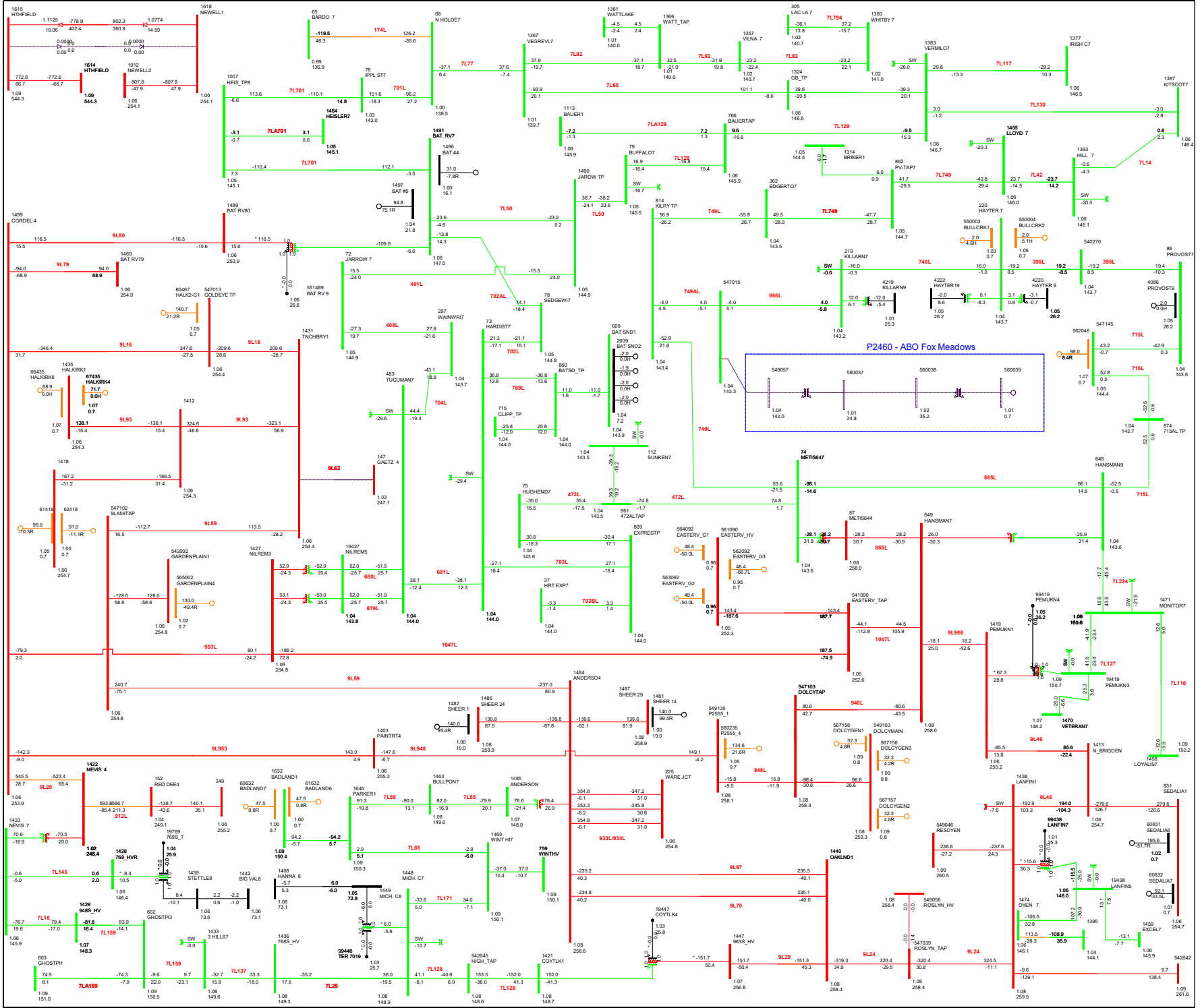
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A2-7-N-1: 9L29-OAKLAND 946S TO COYOTE LAKE 963S
2028 SUMMER PEAK - SCN 2 (PRE PROJECT)
FRI, AUG 08 2025 15:34

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -795.8 MW

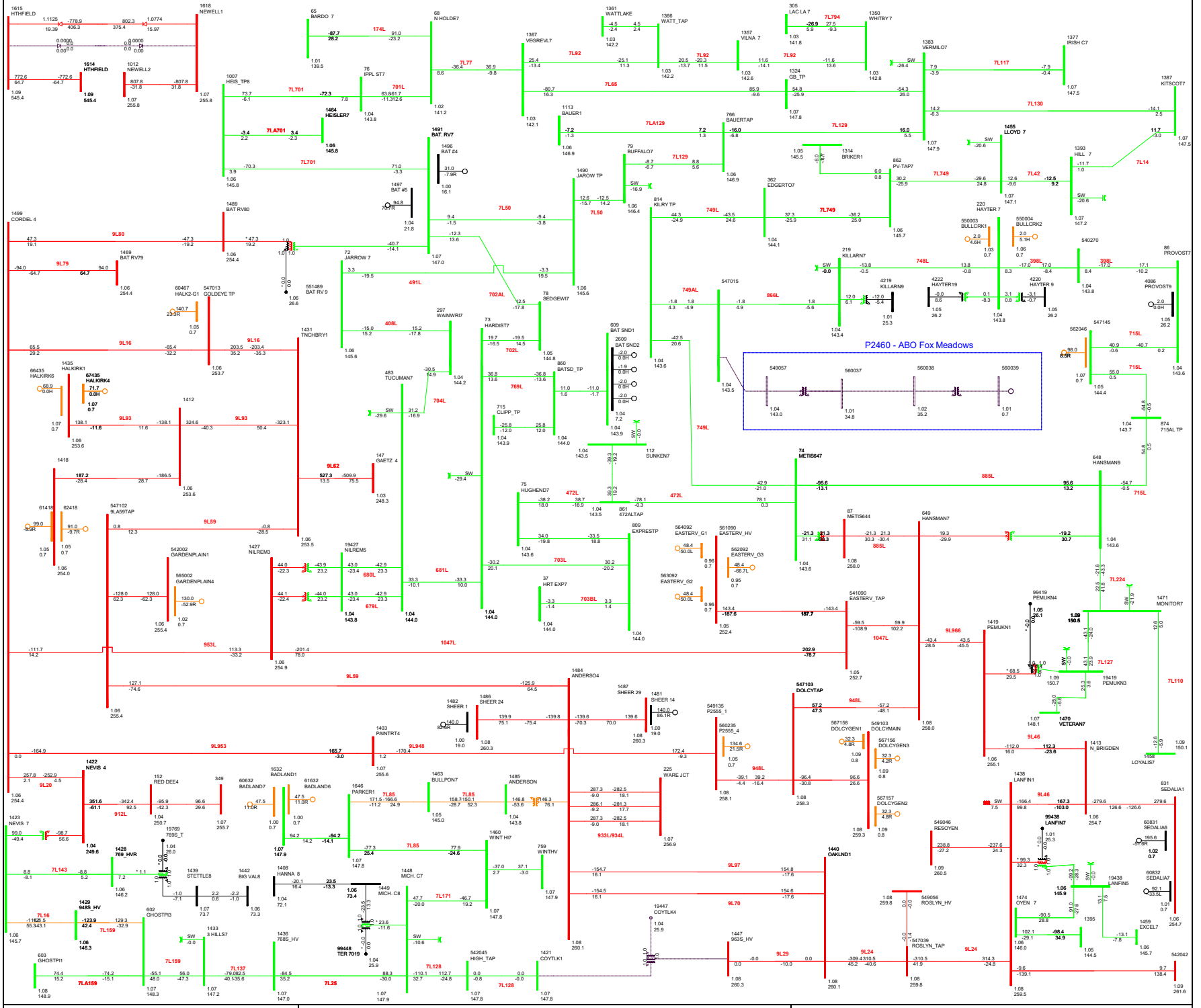
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A2-11-N-1: 9L62-GAETZ TO 972S TINCHEBRAY
2028 SUMMER PEAK - SCN 2 (PRE PROJECT)
FRI, MAR 28 2025 17:46

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -825.2 MW

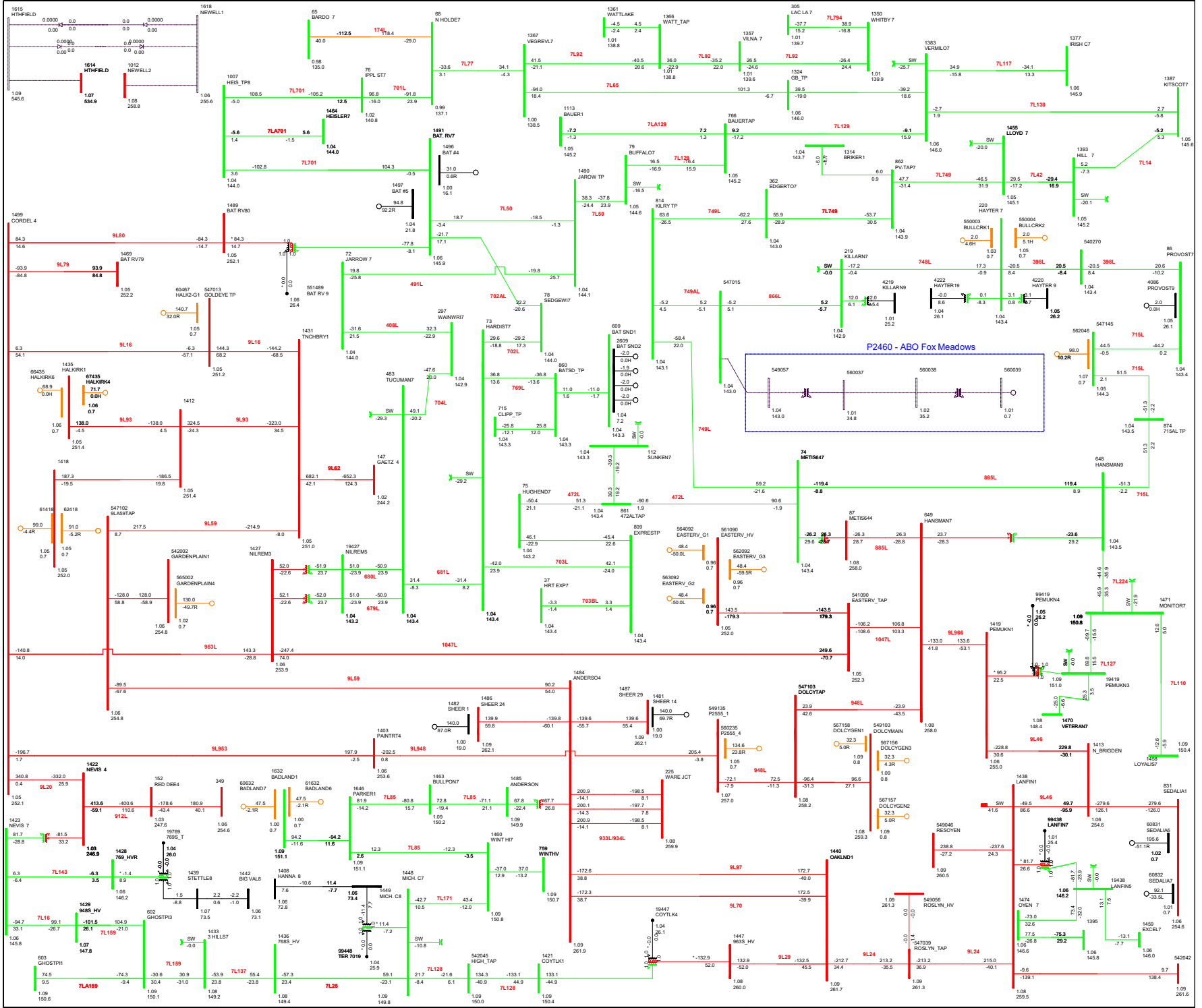
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A2-9-N-1: COYOTE LAKE 963S - 901 TRANSFORMER
2028 SUMMER PEAK - SCN 2 (PRE PROJECT)
FRI, AUG 08 2025 15:34

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -786.2 MW

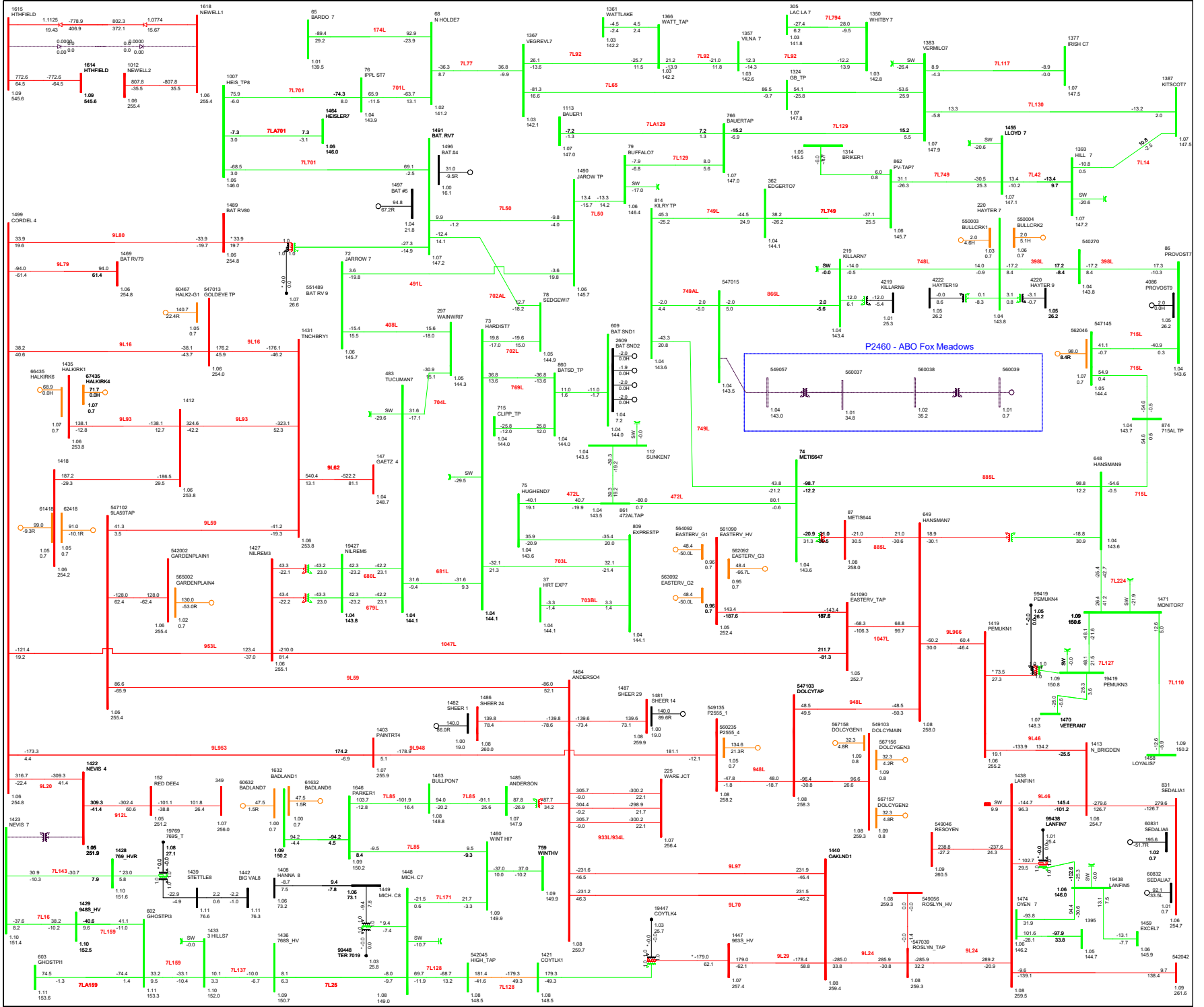
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A2-13-N-1: EATL
2028 SUMMER PEAK - SCN 2 (PRE PROJECT)
FRI, MAR 28 2025 17:47

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -850.0 MW

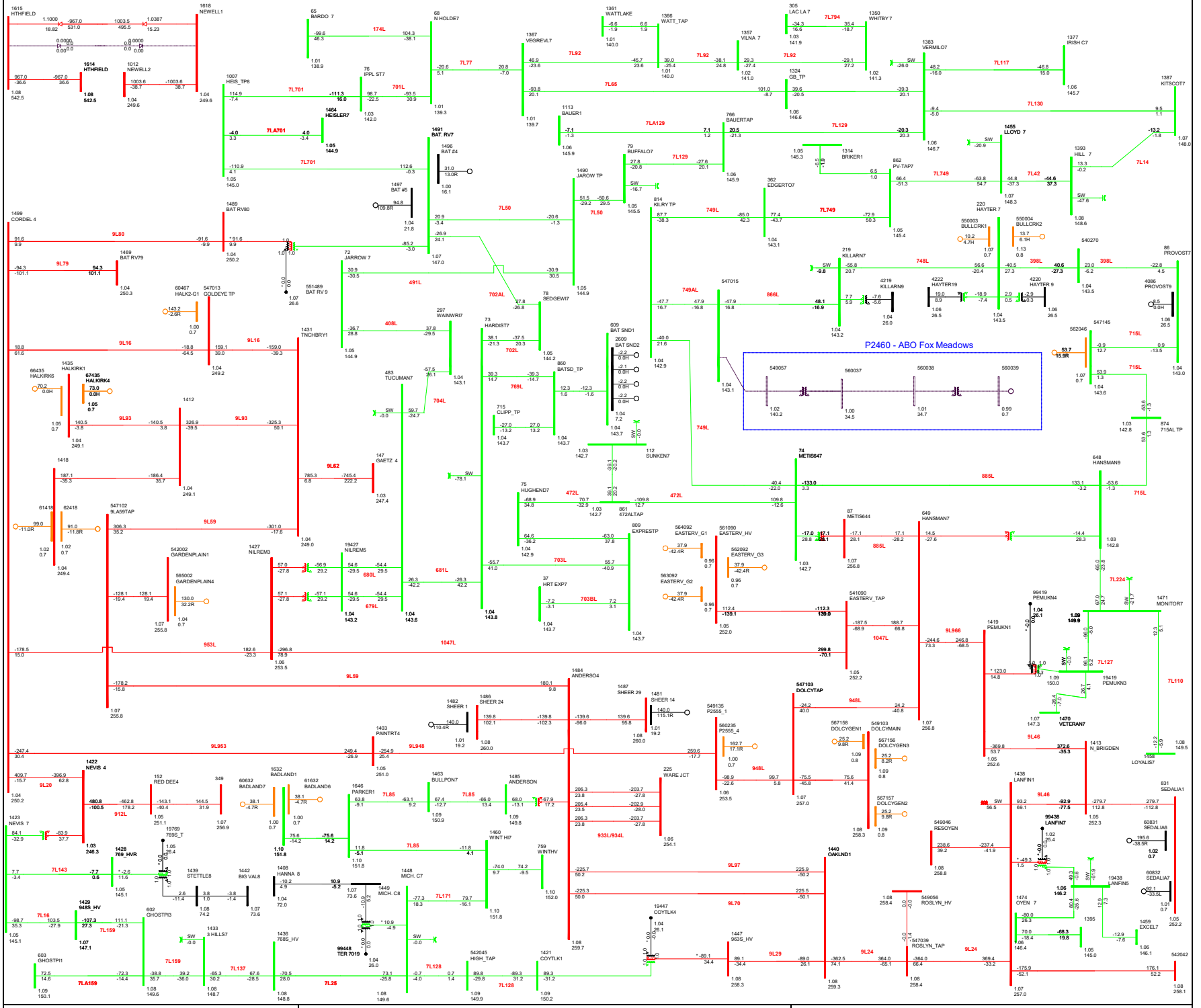
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A2-2-N-1: NEVIS 240/138 KV TRANSFORMER
2028 SUMMER PEAK - SCN 2 (PRE PROJECT)
FRI, MAR 28 2025 17:45

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -1079.2 MW

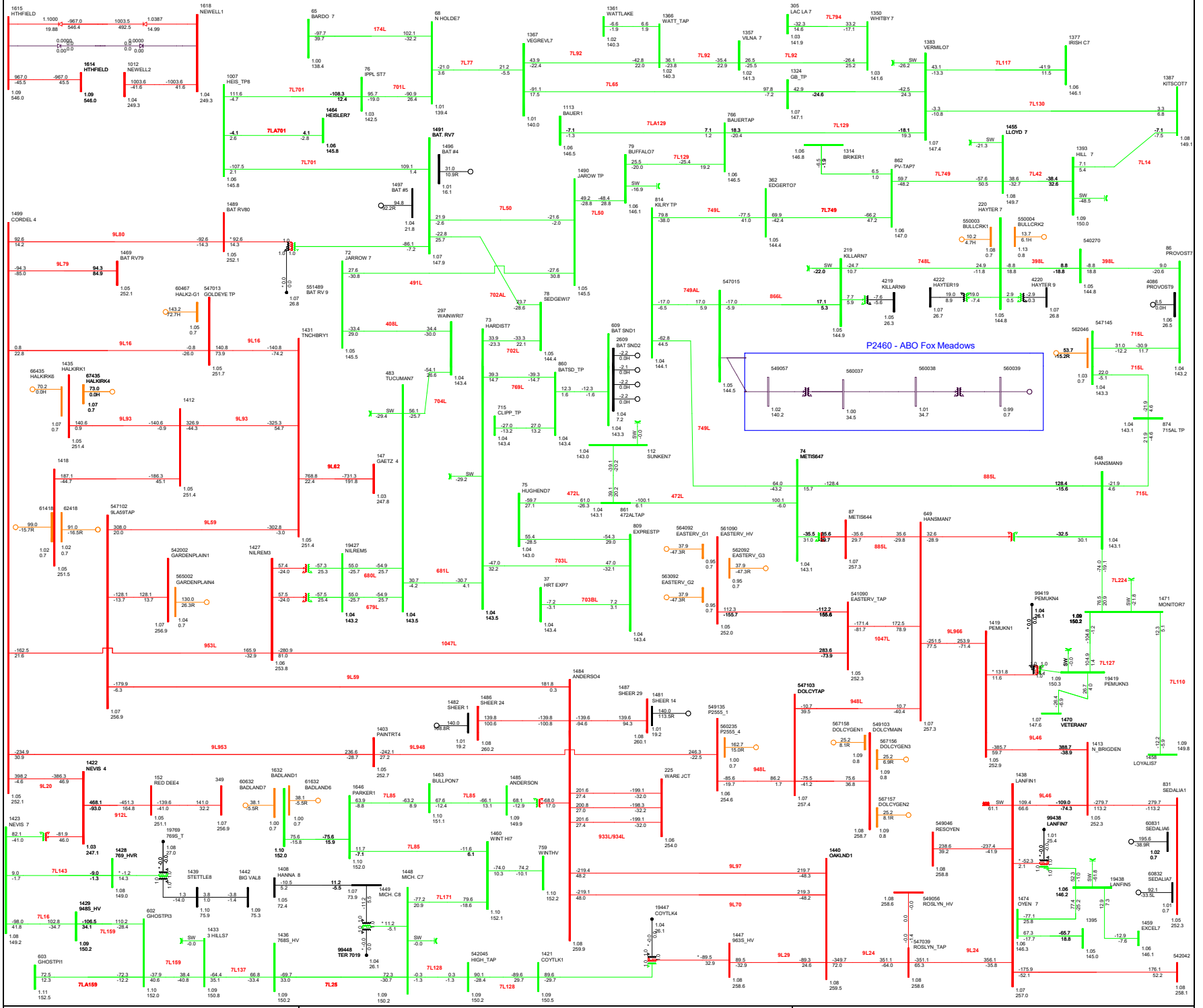
Sask Import: 152.2 MW

MATL: 186.1 MW

FIGURE B0-3-N-0
2028 WINTER PEAK - SCN 3 (PRE PROJECT - PRE CURTAILMENT)
THU, AUG 14 2025 21:08

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -1091.0 MW

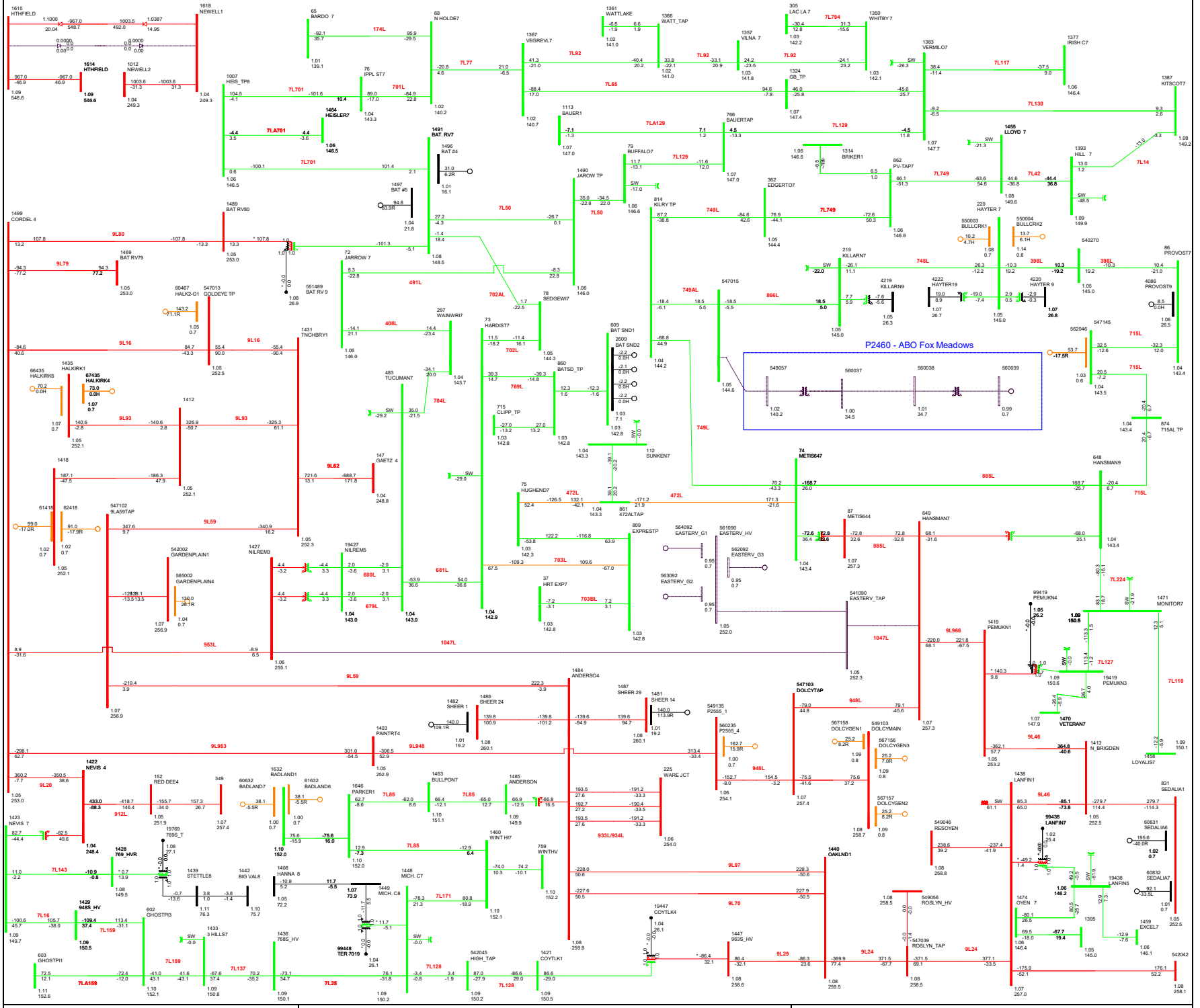
Sask Import: 152.2 MW

MATL: 186.1 MW

FIGURE A0-3-N-0: NORMAL OPERATION
2028 WINTER PEAK - SCN 3 (PRE PROJECT)
SAT, AUG 09 2025 1:03

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -997.1 MW

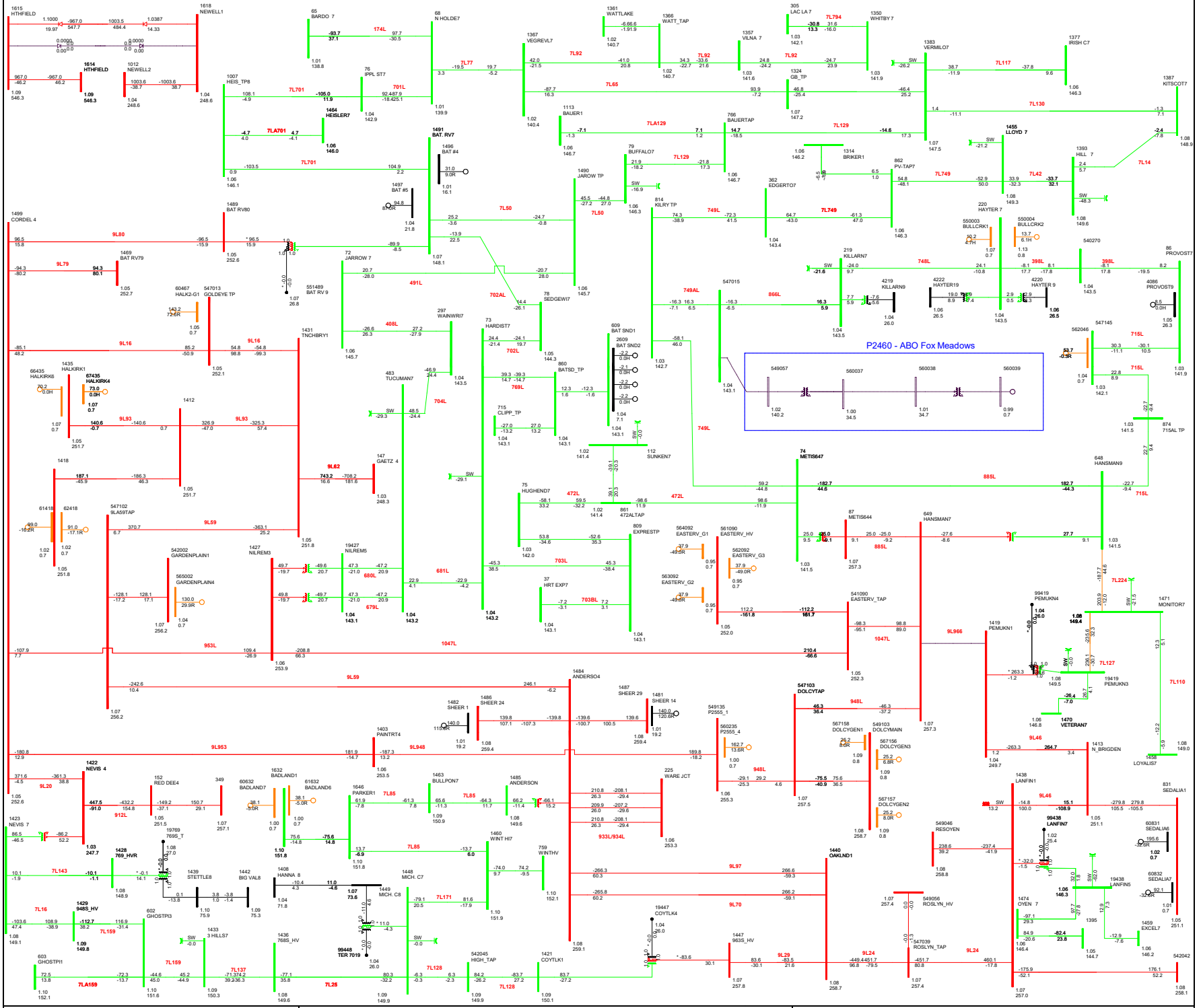
Sask Import: 152.2 MW

MATL: 186.1 MW

FIGURE A3-14-N-1: 1047L-HANSMAN LAKE 650S TO NILREM 574S
2028 WINTER PEAK - SCN 3 (PRE PROJECT)
FRI, MAR 28 2025 18:16

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -1075.7 MW

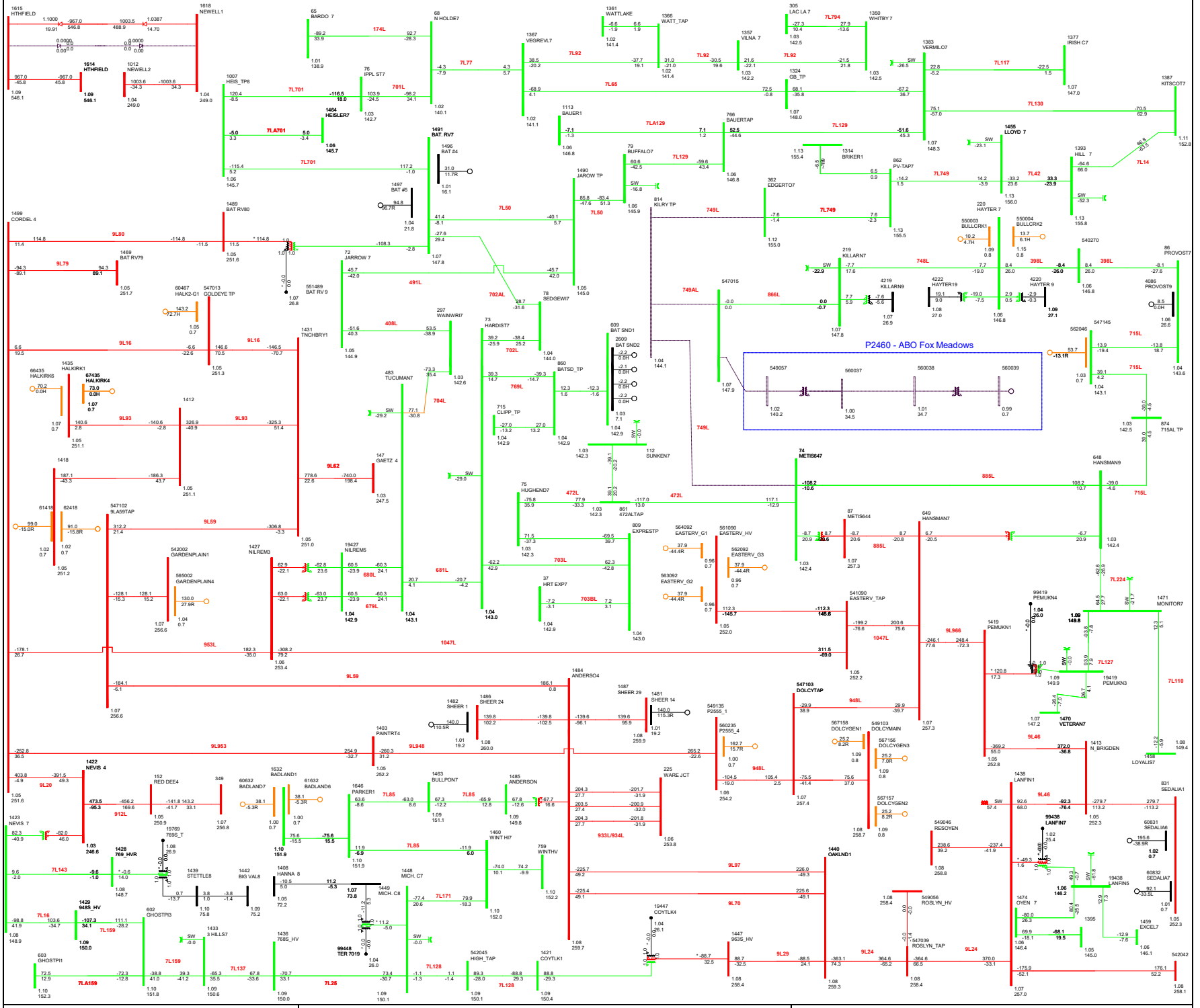
Sask Import: 152.3 MW

MATL: 186.1 MW

FIGURE A3-1-N-1: 966L-HANSMAN LAKE 650S TO PEMUKAN 932S
2028 WINTER PEAK - SCN 3 (PRE PROJECT)
FRI, AUG 08 2025 15:44

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -1083.3 MW

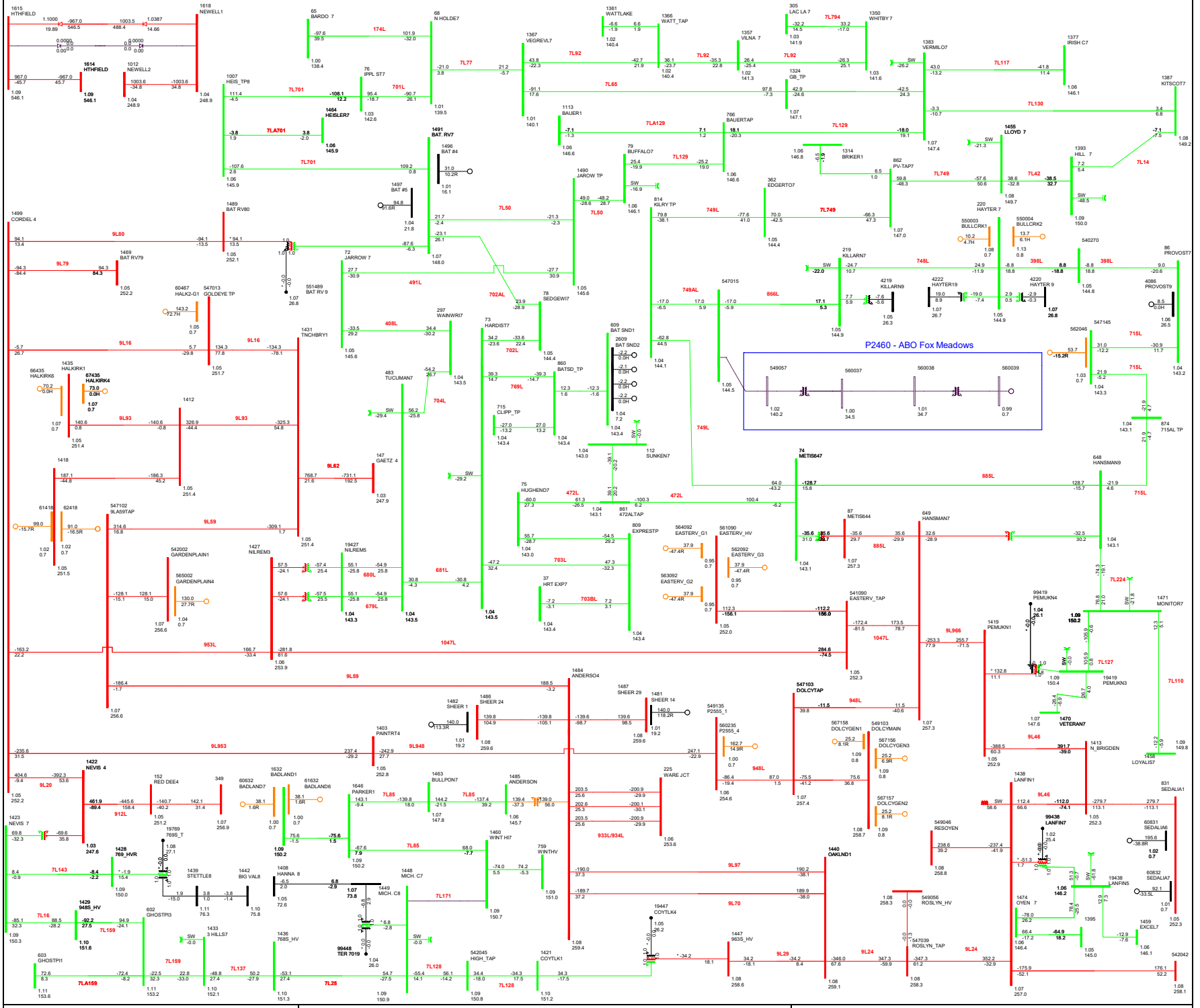
Sask Import: 152.2 MW

MATL: 186.1 MW

FIGURE A3-16-N-1: 749L-METISKOW 648S TO EDGERTON 899S
2028 WINTER PEAK - SCN 3 (PRE PROJECT)
FRI, MAR 28 2025 18:16

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -1089.3 MW

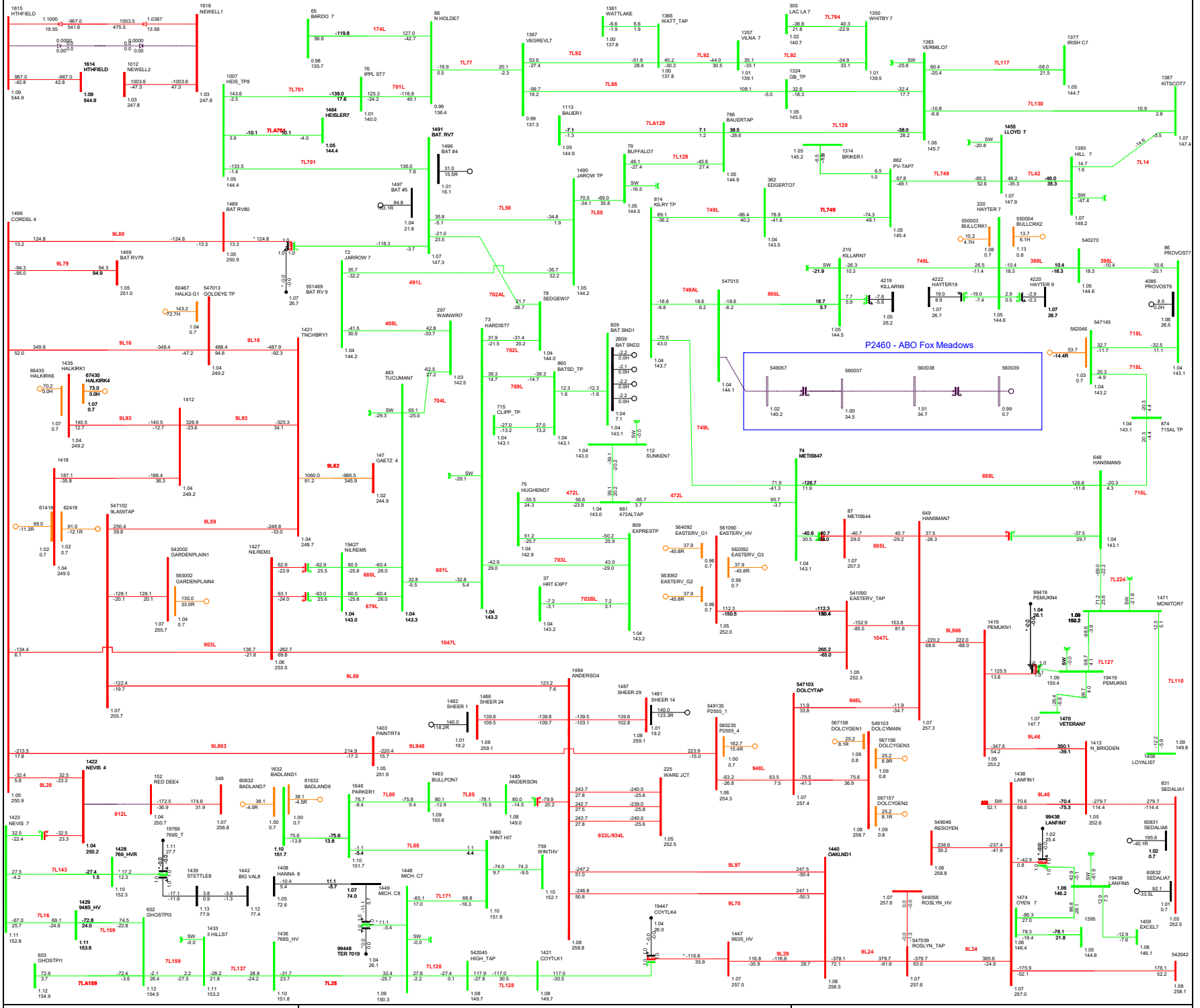
Sask Import: 152.2 MW

MATL: 186.1 MW

FIGURE A3-6-N-1: 7L171-MICHICHI CREEK 802S TO WINTERING HIL
2028 WINTER PEAK - SCN 3 (PRE PROJECT)
FRI, MAR 28 2025 18:14

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -1044.2 MW

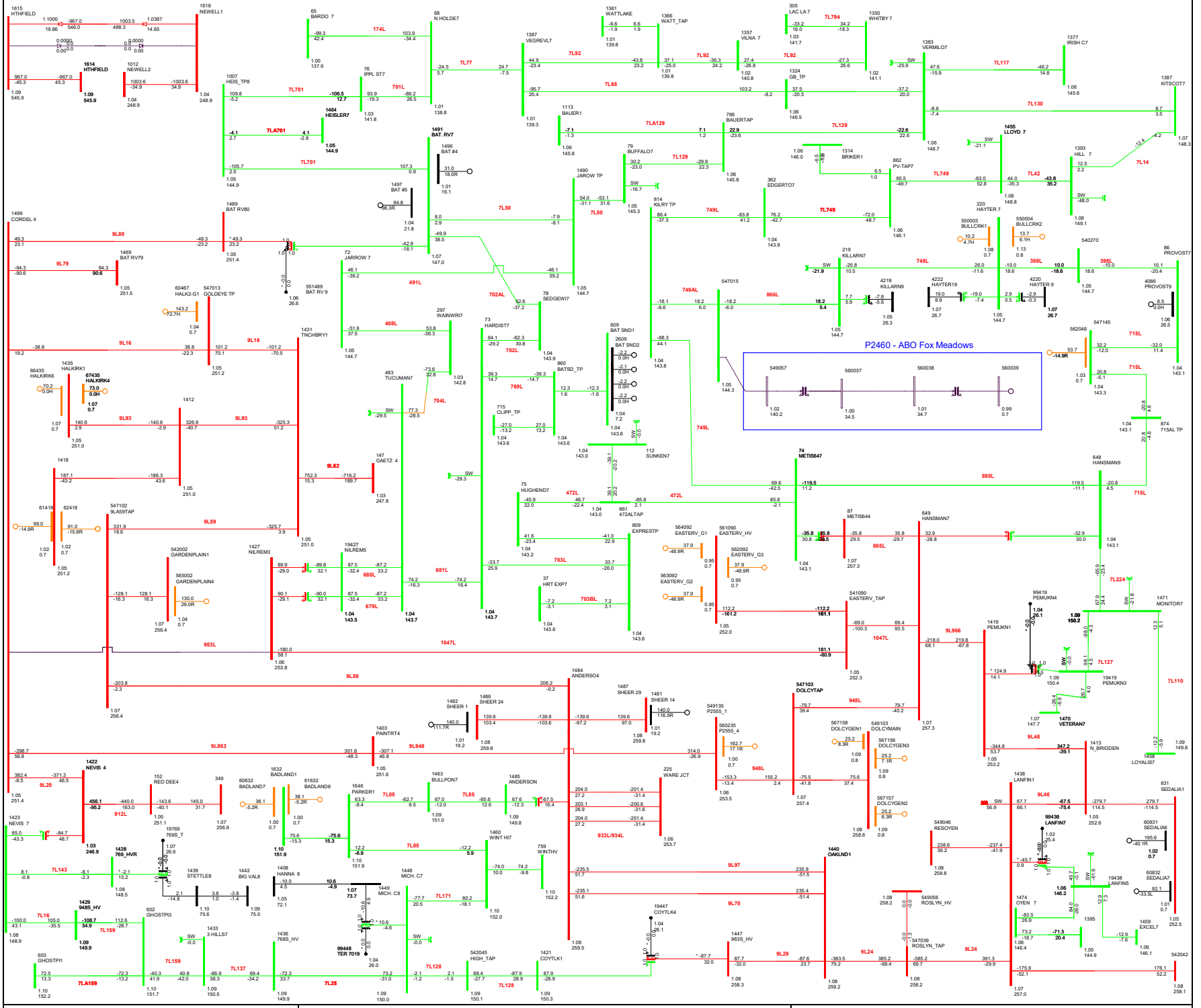
Sask Import: 152.3 MW

MATL: 186.1 MW

FIGURE A3-9-N-1: 912L-NEVIS 766S TO RED DEER 63S
2028 WINTER PEAK - SCN 3 (PRE PROJECT)
FRI, MAR 28 2025 18:15

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -1081.6 MW

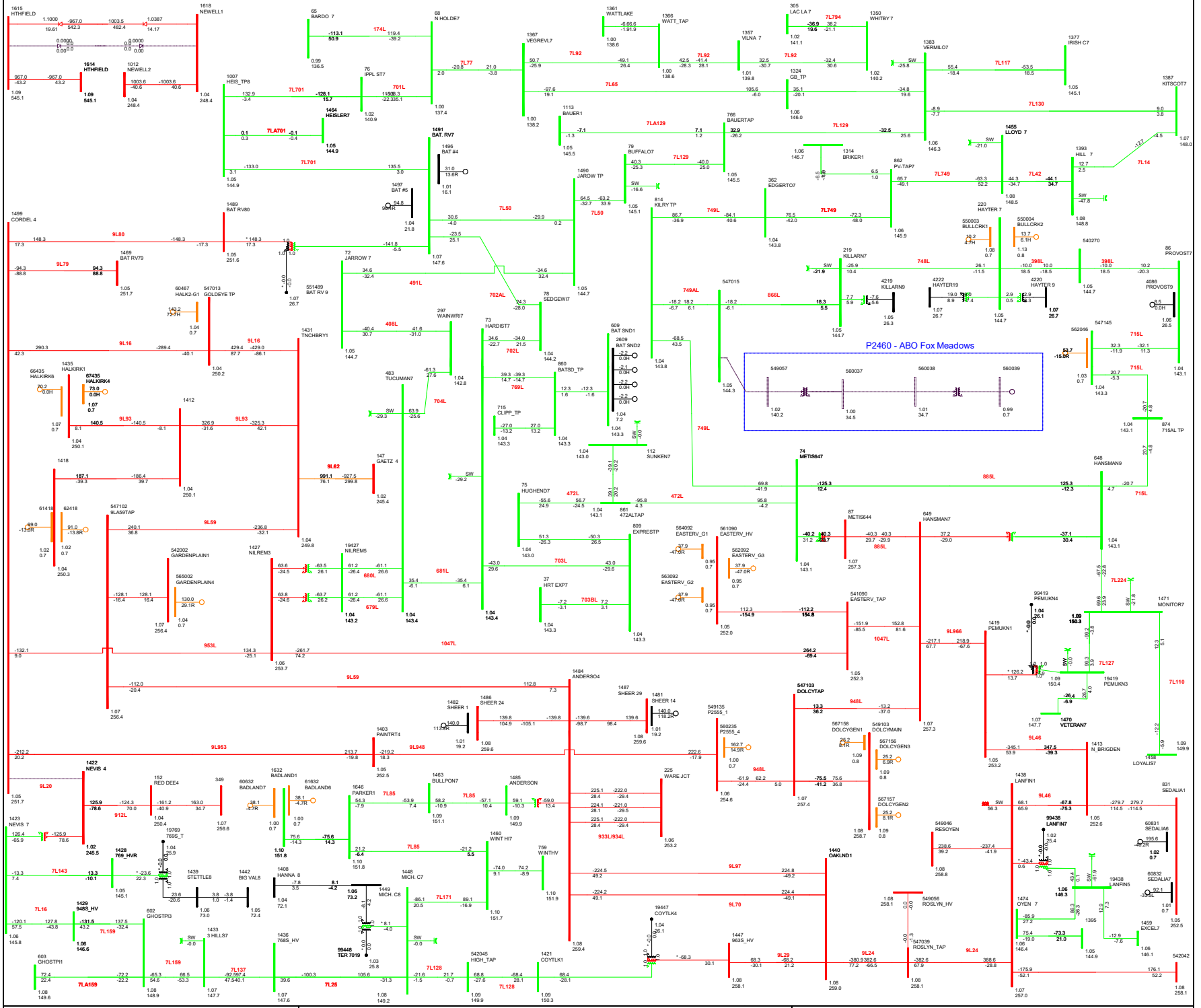
Sask Import: 152.3 MW

MATL: 186.1 MW

FIGURE A3-4-N-1: 953L-NILREM 574S TO CORDEL 755S
2028 WINTER PEAK - SCN 3 (PRE PROJECT)
FRI, MAR 28 2025 18:14

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -1052.3 MW

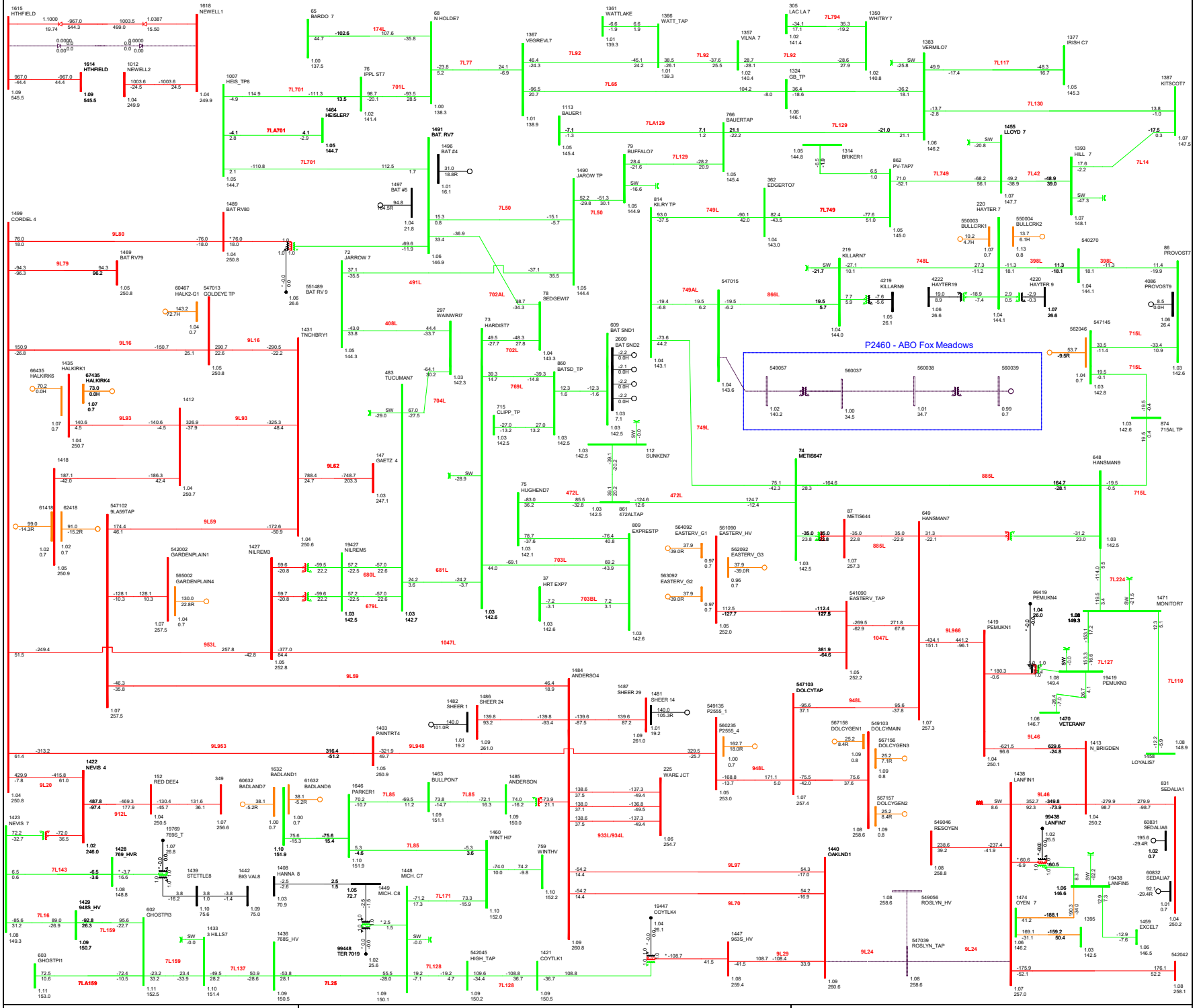
Sask Import: 152.3 MW

MATL: 186.1 MW

FIGURE A3-2-N-1: 9L20-NEVIS 766S TO CORDEL 755S
2028 WINTER PEAK - SCN 3 (PRE PROJECT)
FRI, AUG 08 2025 15:44

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -1046.0 MW

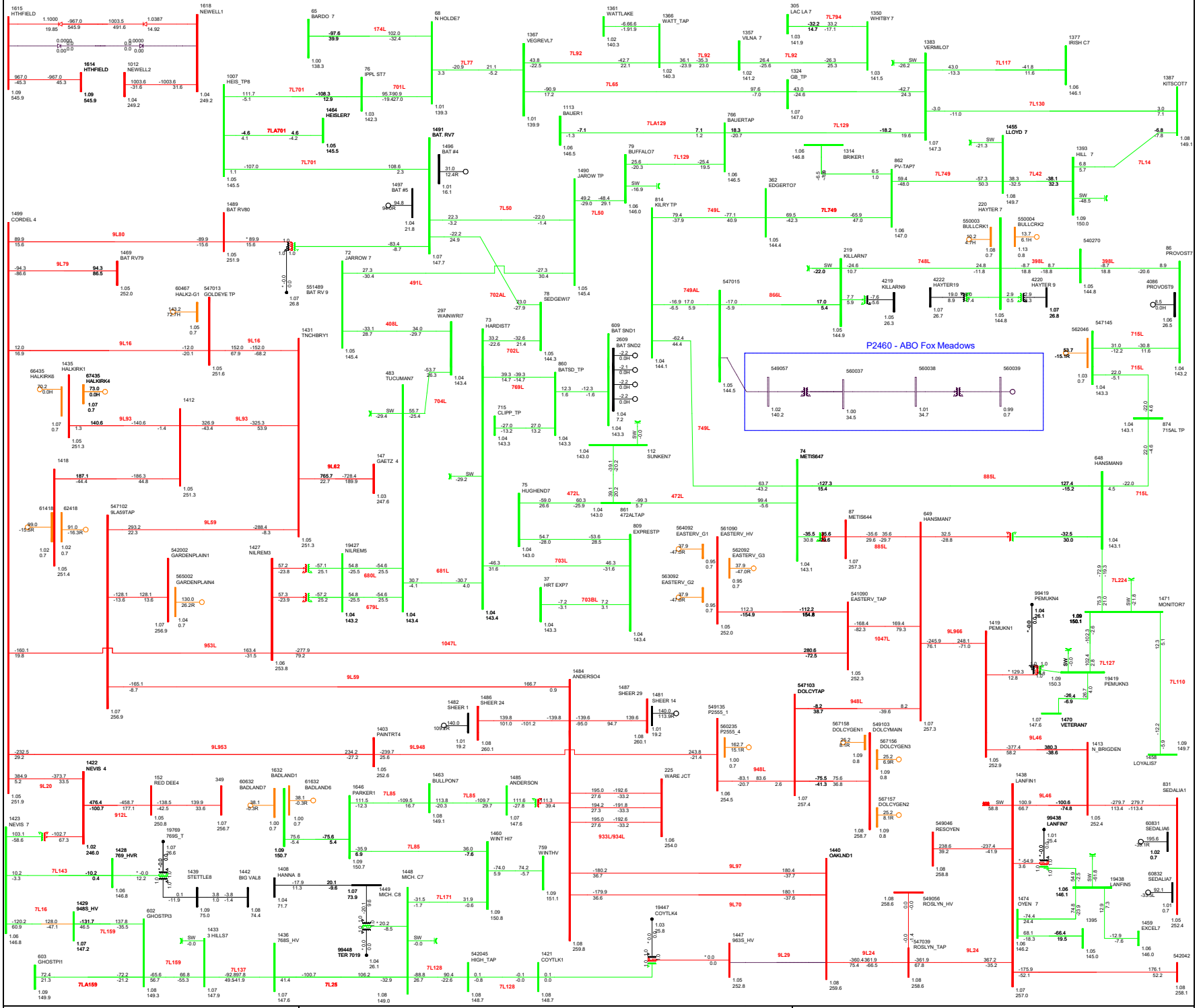
Sask Import: 152.3 MW

MATL: 186.1 MW

FIGURE A3-12-N-1: 9L24-LANFINE 959S TO OAKLAND 946S
2028 WINTER PEAK - SCN 3 (PRE PROJECT)
FRI, MAR 28 2025 18:15

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -1080.7 MW

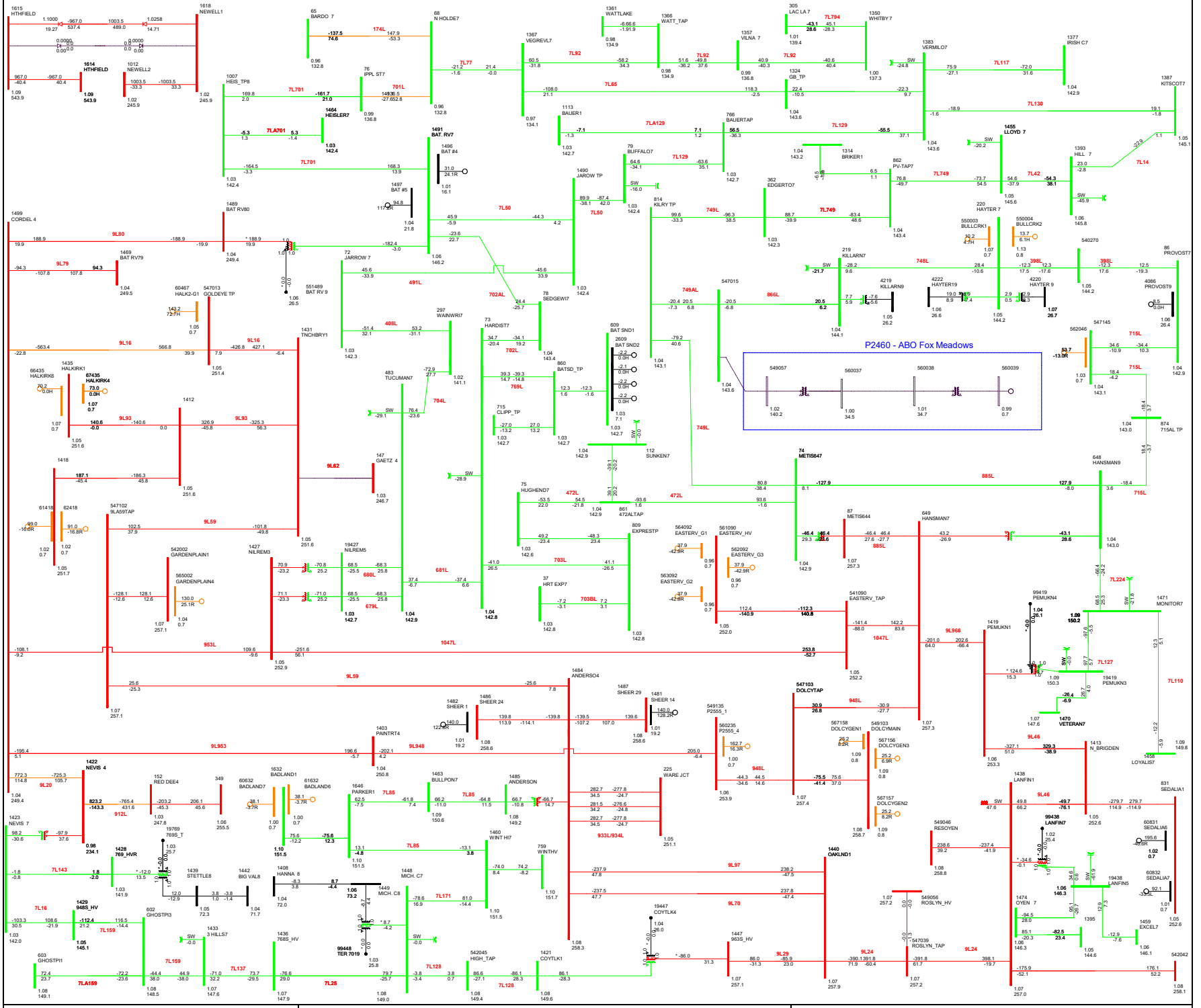
Sask Import: 152.2 MW

MATL: 186.1 MW

FIGURE A3-5-N-1: 9L29-OAKLAND 946S TO COYOTE LAKE 963S
2028 WINTER PEAK - SCN 3 (PRE PROJECT)
FRI, AUG 08 2025 15:44

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -958.7 MW

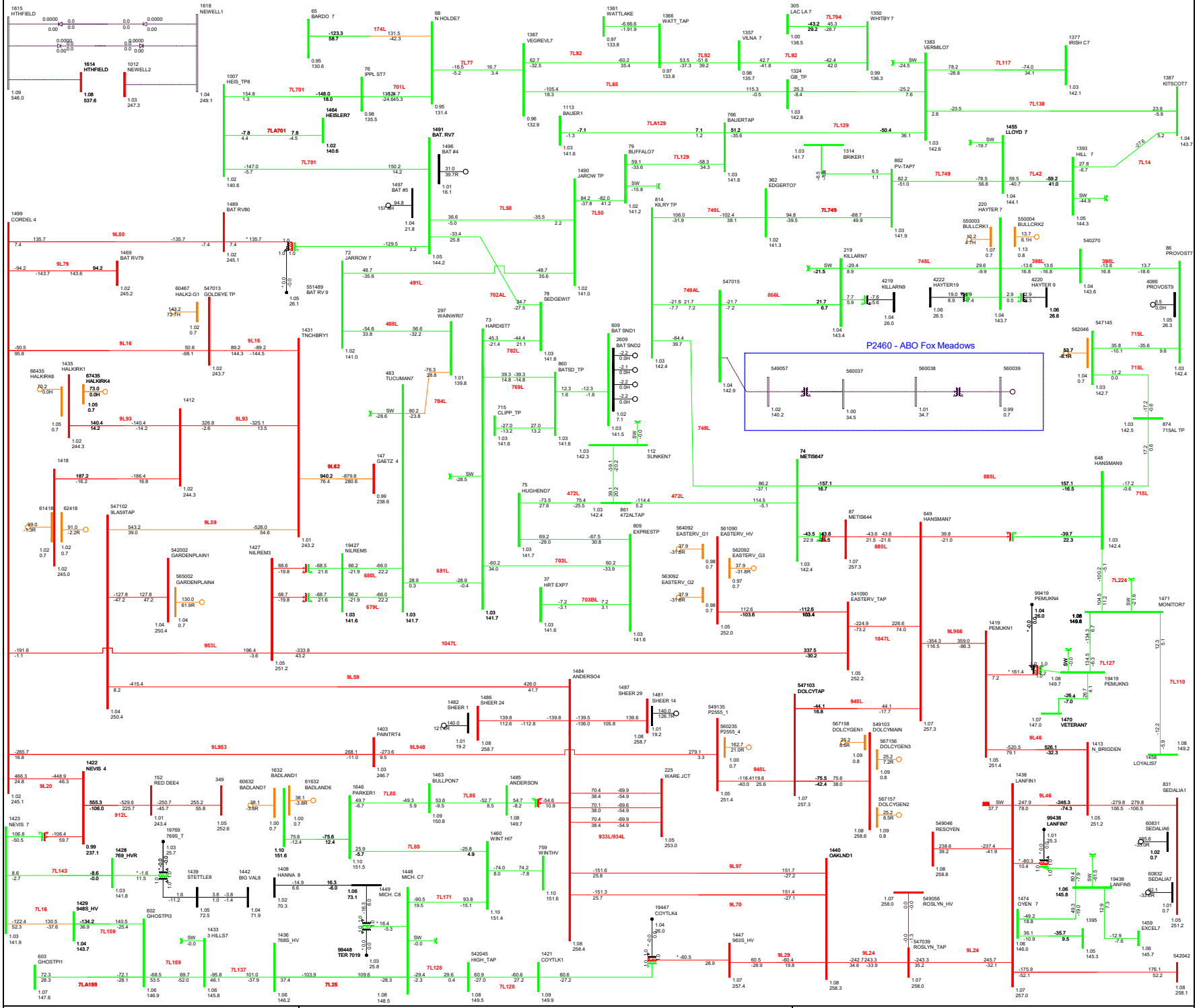
Sask Import: 152.3 MW

MATL: 186.2 MW

FIGURE A3-10-N-1: 9L62-GAETZ TO 972S TINCHEBRAY
2028 WINTER PEAK - SCN 3 (PRE PROJECT)
FRI, AUG 08 2025 15:48

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 **<=500.000** >500.000



P2460- ABO Fox Meadows Wind

BC Import: -830.2 MW

Sask Import: 152.2 MW

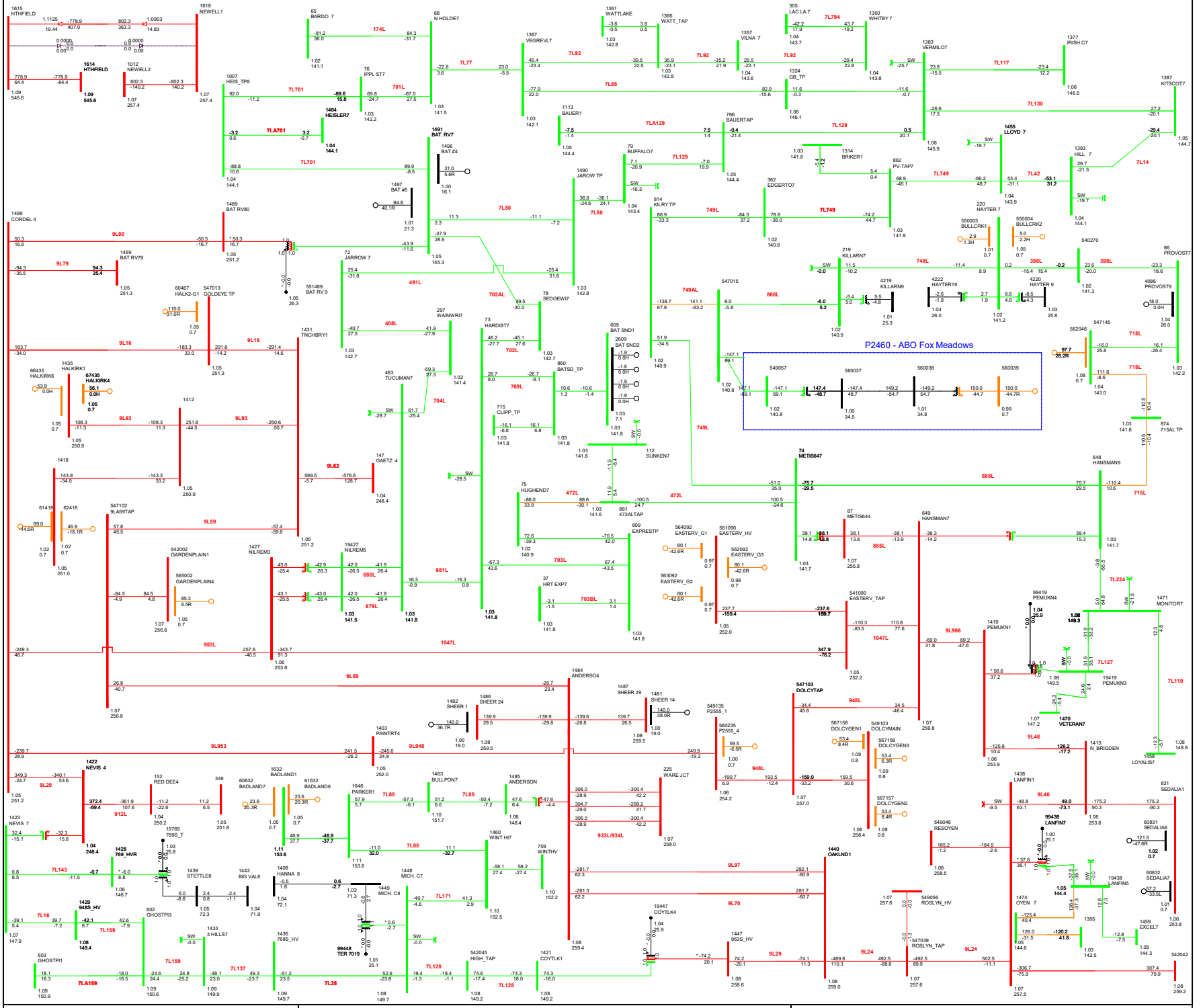
MATL: 186.2 MW

FIGURE A3-17-N-1: EATL
2028 WINTER PEAK - SCN 3 (PRE PROJECT)
FRI, AUG 08 2025 15:49

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000

Attachment A3
Post-Project Power Flow Diagrams



P2460- ABO Fox Meadows Wind

BC Import: -854.7 MW

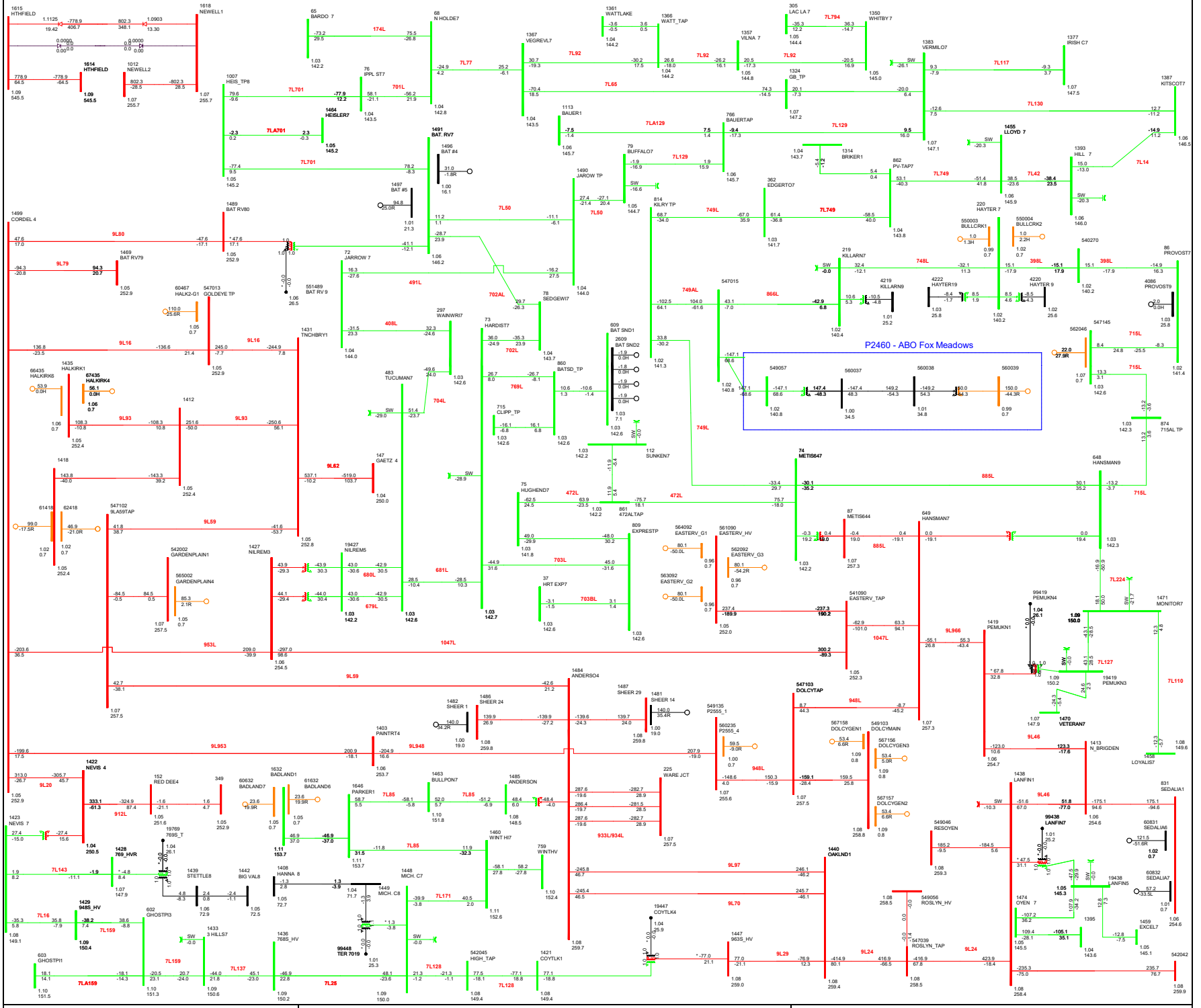
Sask Import: 0.0 MW

MATL: 186.2 MW

FIGURE B0-5-N-0
2028 SUMMER LIGHT - SCN 5 (POST PROJECT - PRE CURTAILMENT)
THU, AUG 14 2025 21:11

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 **<=500.000** >500.000



P2460- ABO Fox Meadows Wind

BC Import: -868.1 MW

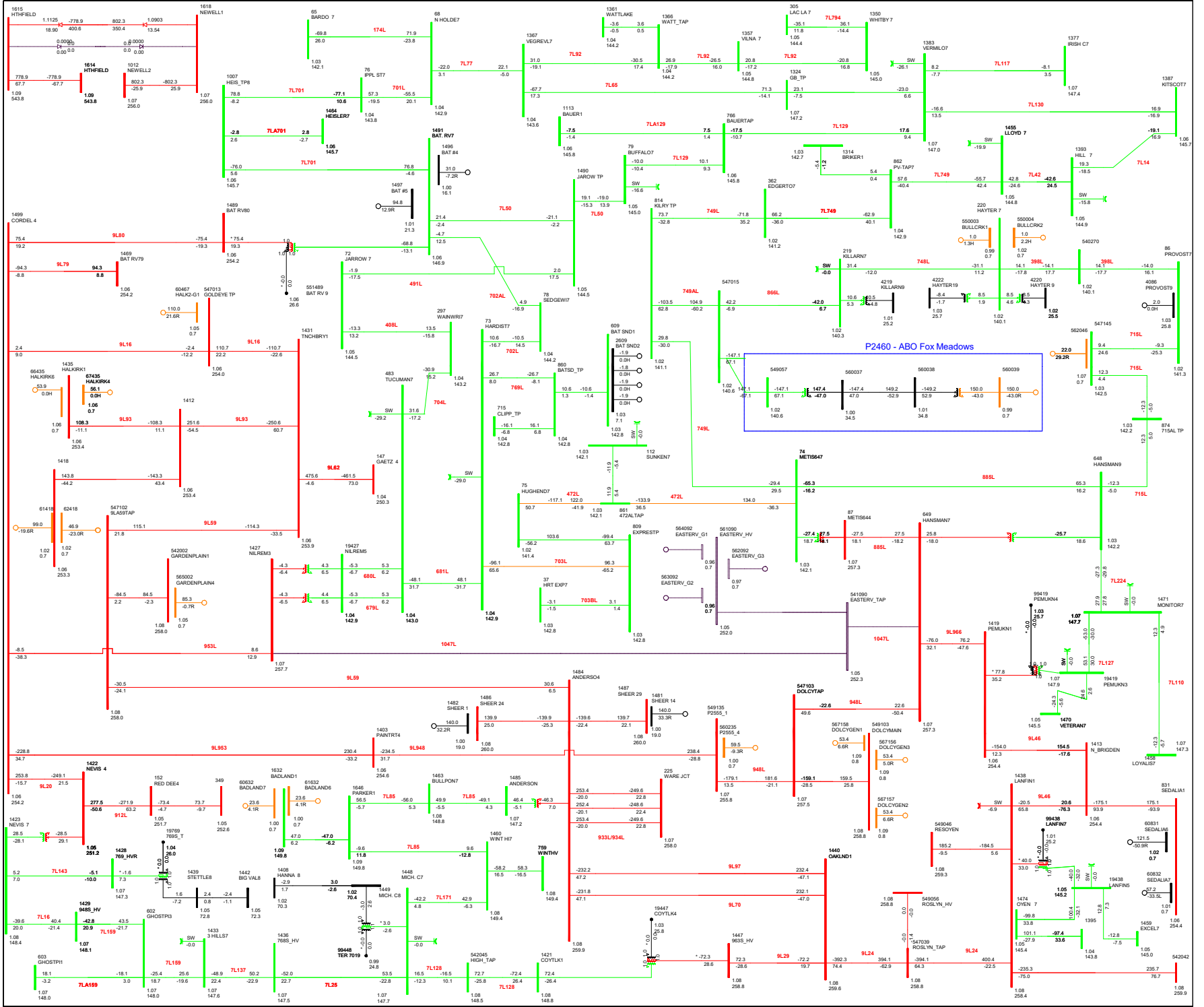
Sask Import: 0.0 MW

MATL: 186.2 MW

FIGURE A0-5-N-0: NORMAL OPERATION
2028 SUMMER LIGHT - SCN 5 (POST PROJECT)
SAT, AUG 09 2025 1:01

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -673.2 MW

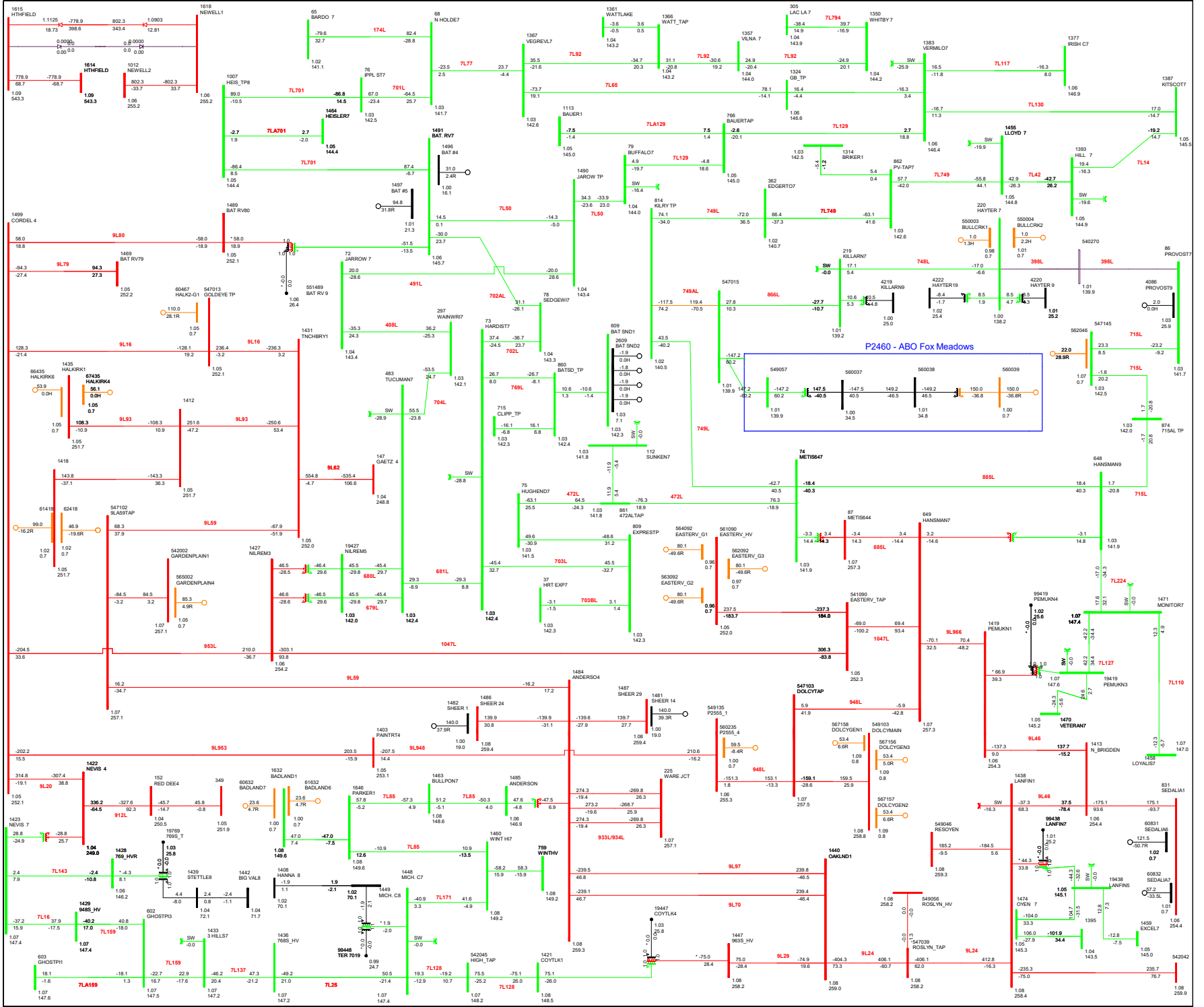
Sask Import: 0.0 MW

MATL: 186.2 MW

FIGURE A5-13-N-1: 1047L-HANSMAN LAKE 650S TO NILREM 574S
2028 SUMMER LIGHT - SCN 5 (POST PROJECT)
FRI, MAR 28 2025 17:52

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -867.8 MW

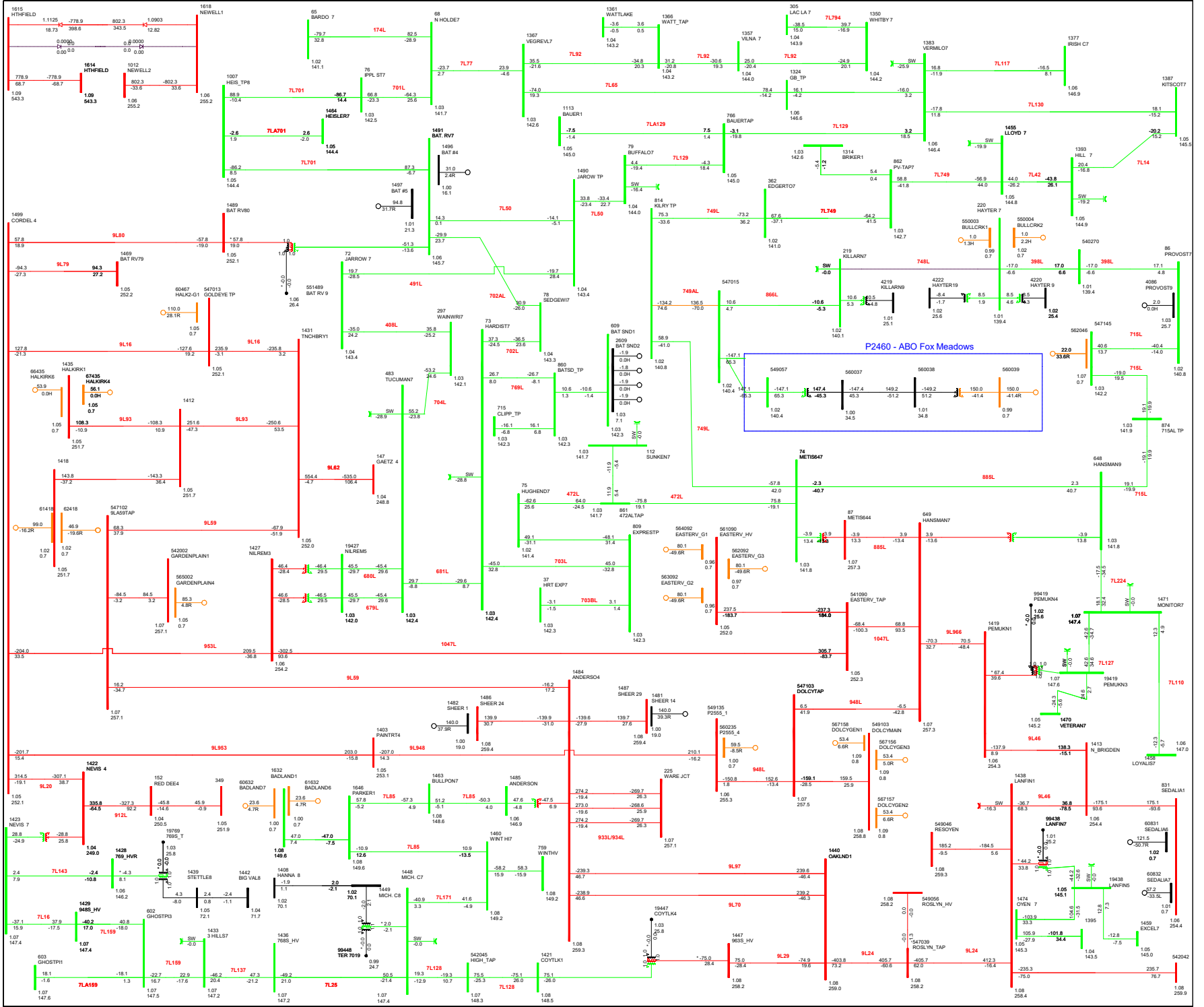
Sask Import: 0.0 MW

MATL: 186.2 MW

FIGURE A5-12-N-1: 398L-PROVOST 544S TO HAYTER 277S
2028 SUMMER LIGHT - SCN 5 (POST PROJECT)
FRI, MAR 28 2025 17:52

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -866.9 MW

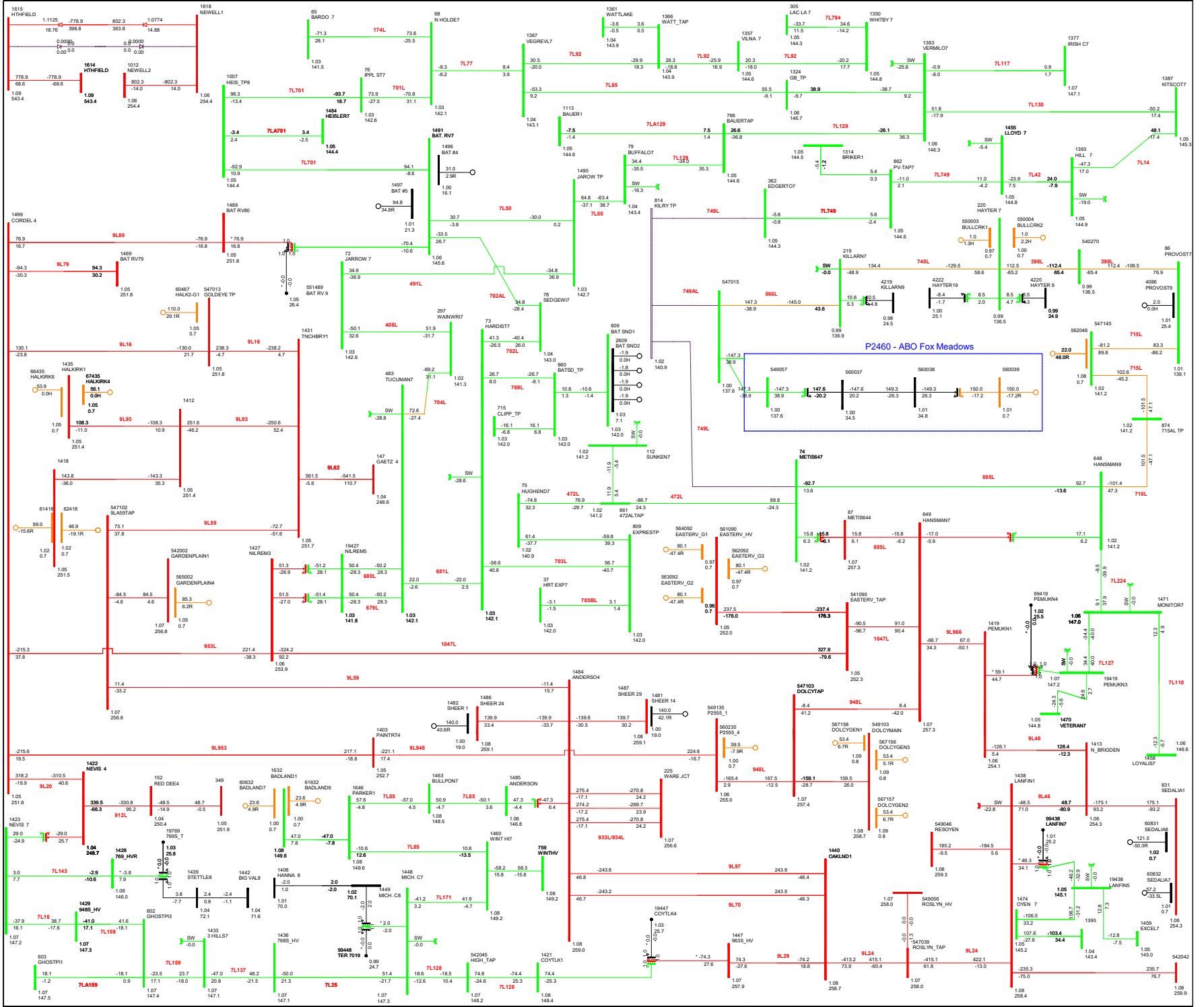
Sask Import: 0.0 MW

MATL: 186.2 MW

FIGURE A5-3-N-1: 748L-HAYTER 277S TO KILLARNEY LAKE 267S
2028 SUMMER LIGHT - SCN 5 (POST PROJECT)
FRI, MAR 28 2025 17:51

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -853.8 MW

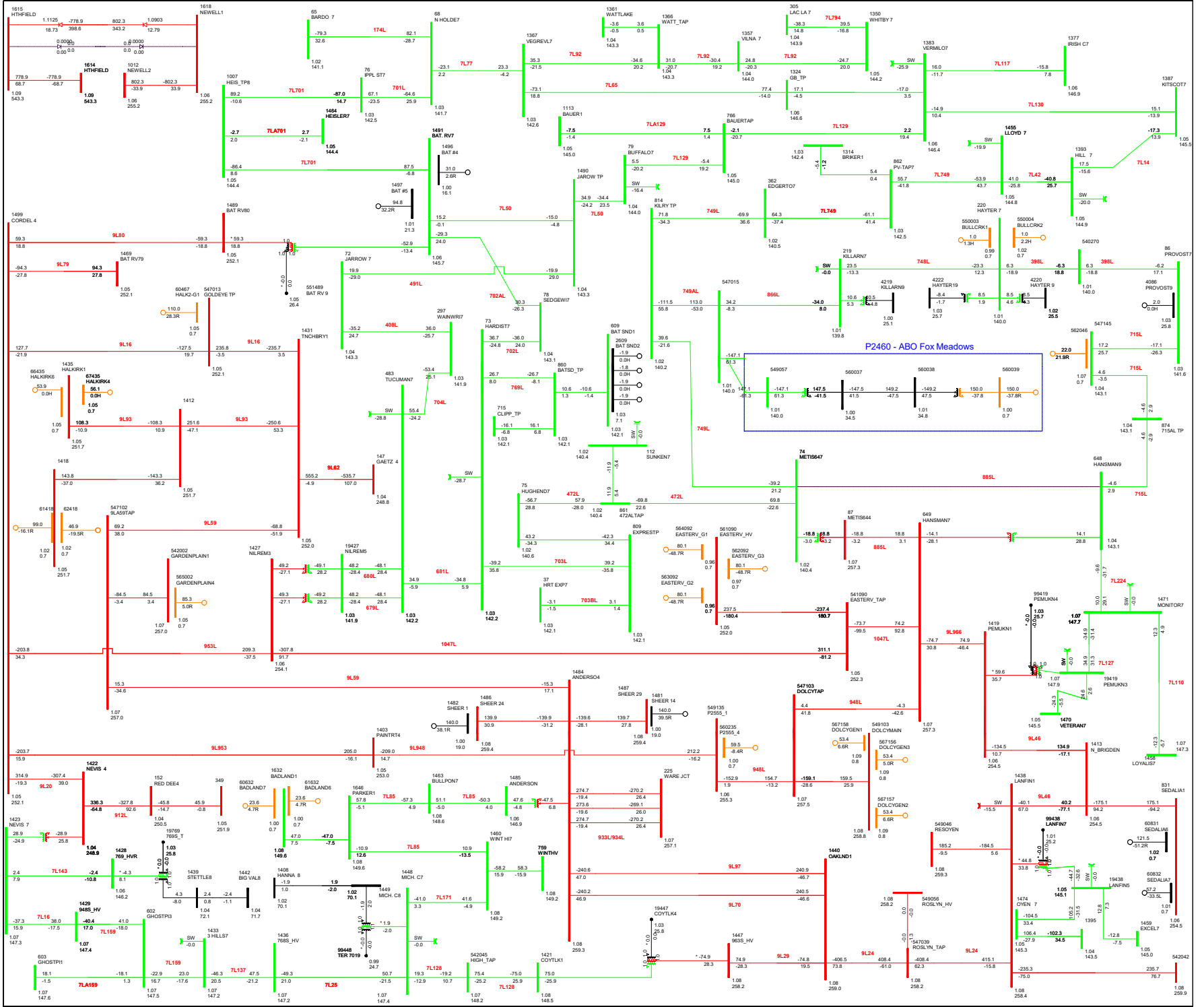
Sask Import: 0.0 MW

MATL: 186.2 MW

FIGURE A5-15-N-1: 749L-METISKOW 648S TO EDGERTON 899S
2028 SUMMER LIGHT - SCN 5 (POST PROJECT)
FRI, MAR 28 2025 17:52

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -868.5 MW

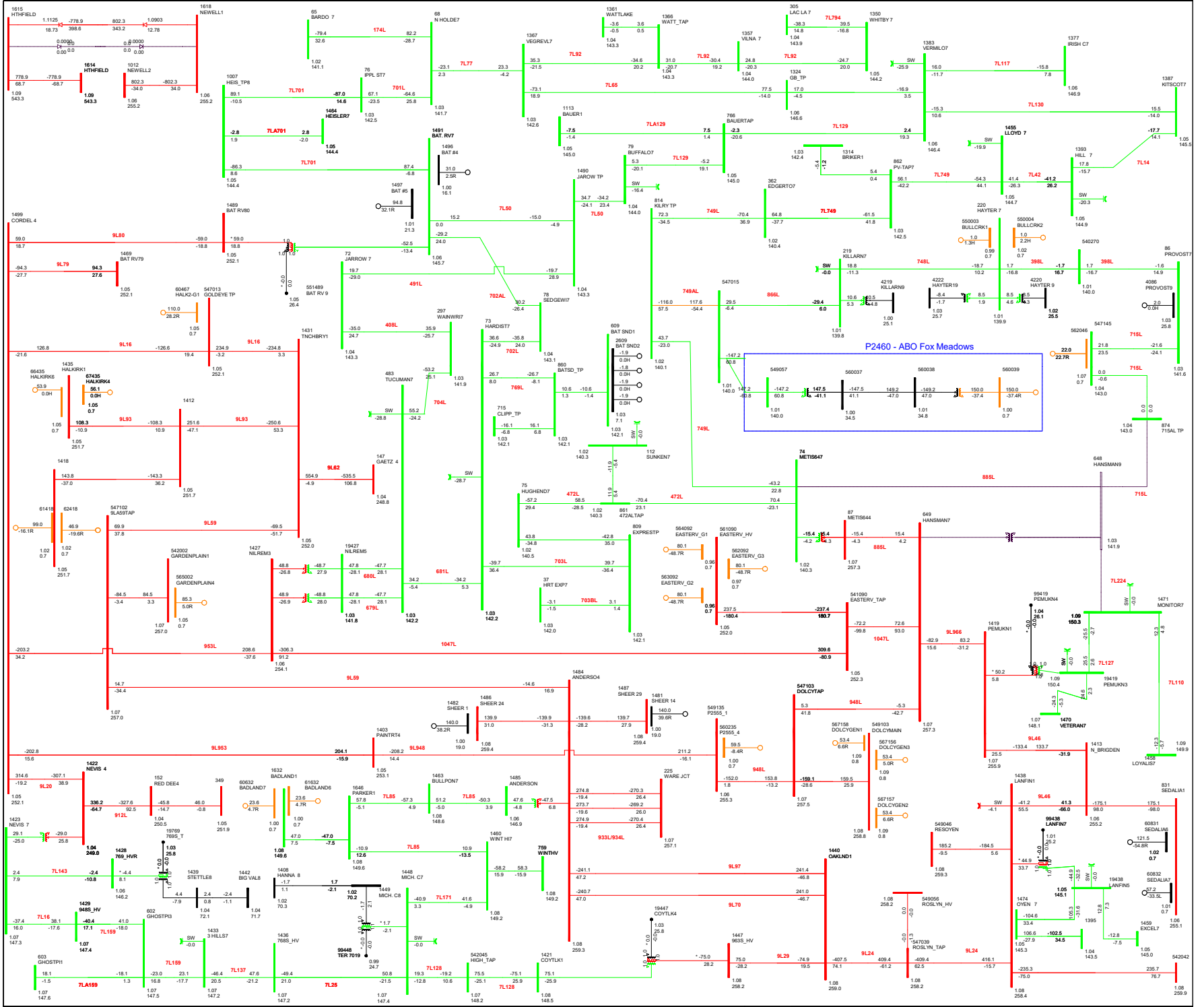
Sask Import: 0.0 MW

MATL: 186.2 MW

FIGURE A5-2-N-1: 885L-HANSMAN LAKE 650S TO METISKOW 648S
2028 SUMMER LIGHT - SCN 5 (POST PROJECT)
FRI, MAR 28 2025 17:51

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -868.7 MW

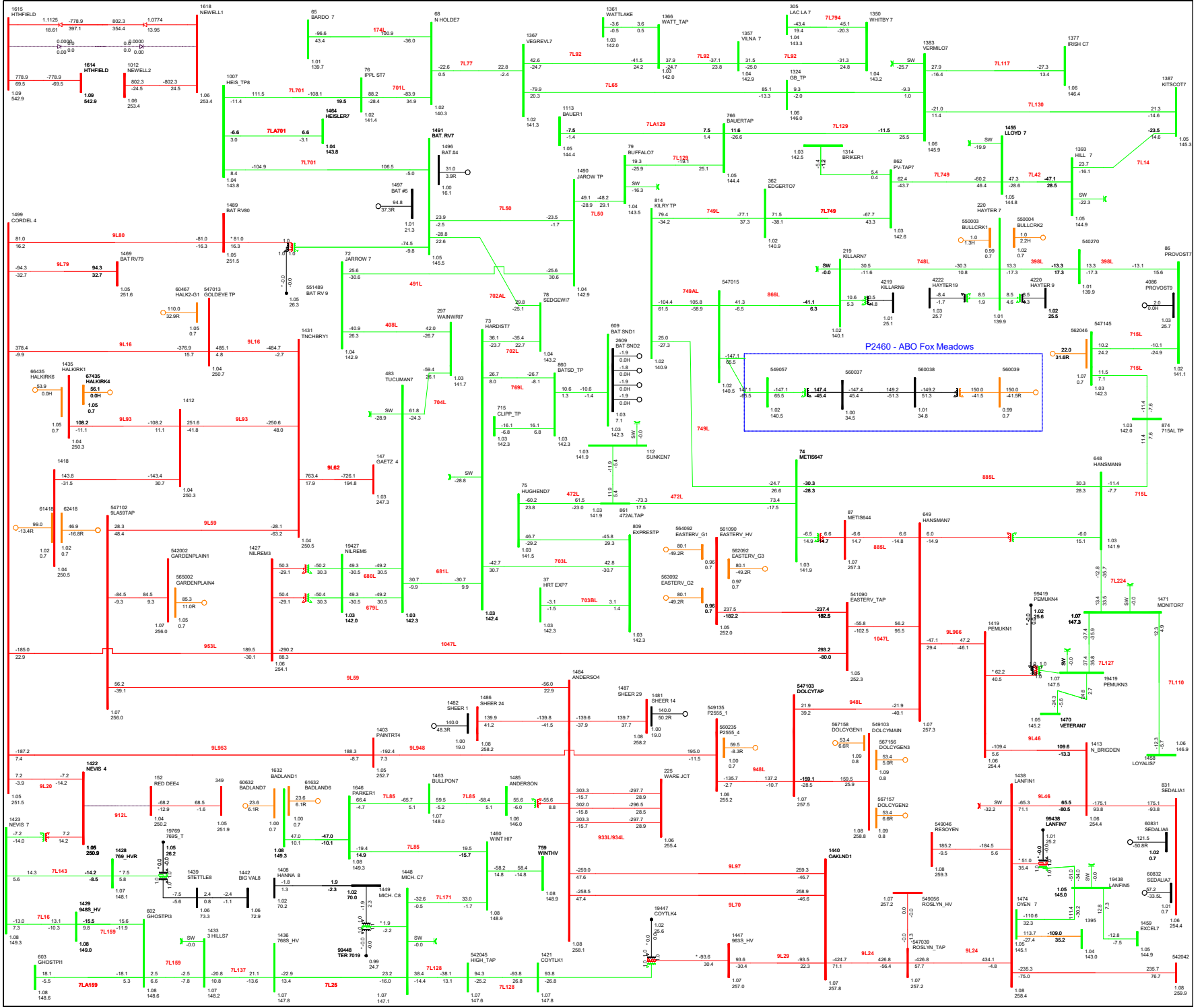
Sask Import: 0.0 MW

MATL: 186.2 MW

FIGURE A5-20-N-1: 885L-METISKOW 648S TO HANSMAN 650T1
2028 SUMMER LIGHT - SCN 5 (POST PROJECT)
FRI, MAR 28 2025 17:52

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -844.8 MW

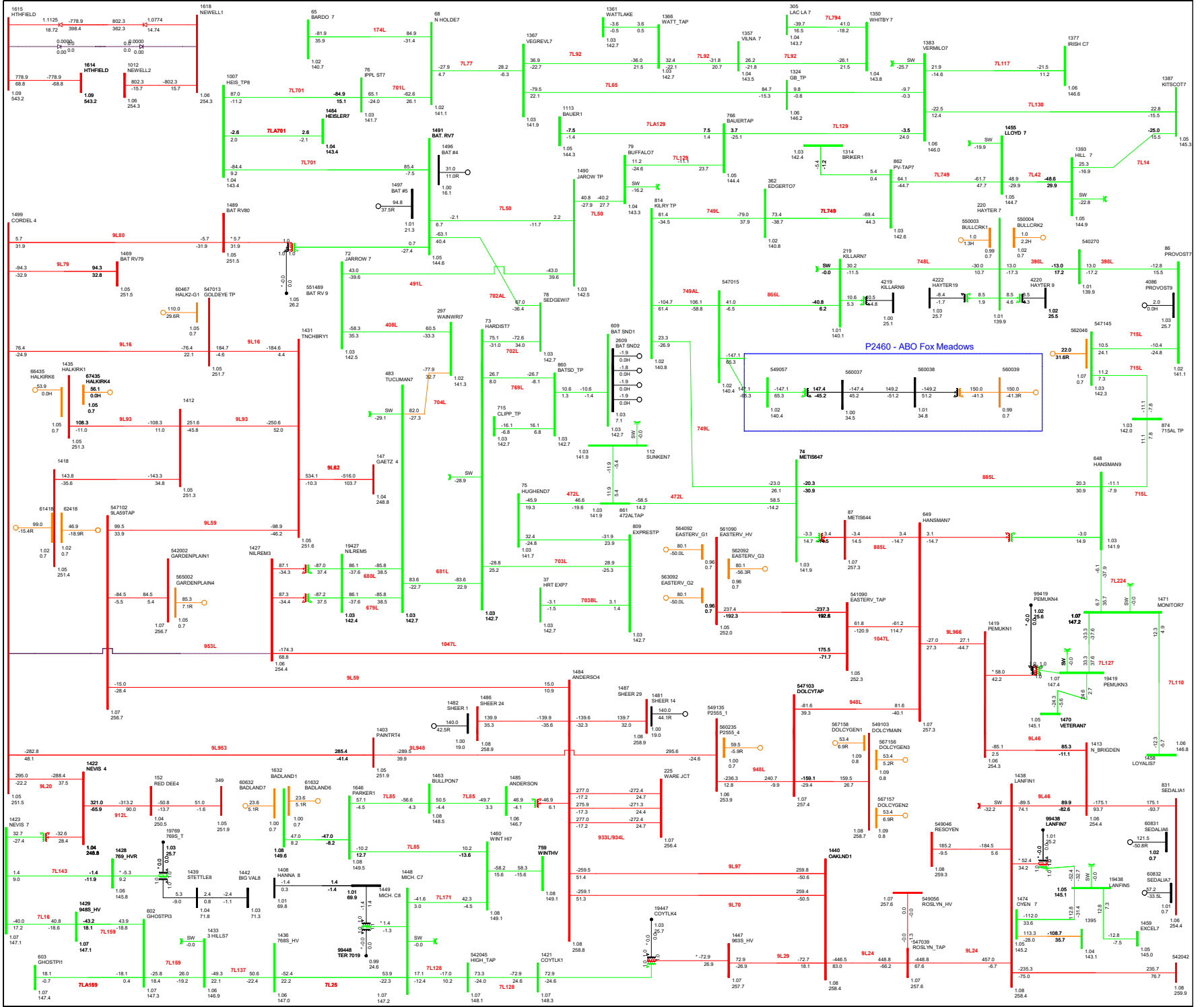
Sask Import: 0.0 MW

MATL: 186.2 MW

FIGURE A5-7-N-1: 912L-NEVIS 766S TO RED DEER 63S
2028 SUMMER LIGHT - SCN 5 (POST PROJECT)
FRI, MAR 28 2025 17:51

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -855.4 MW

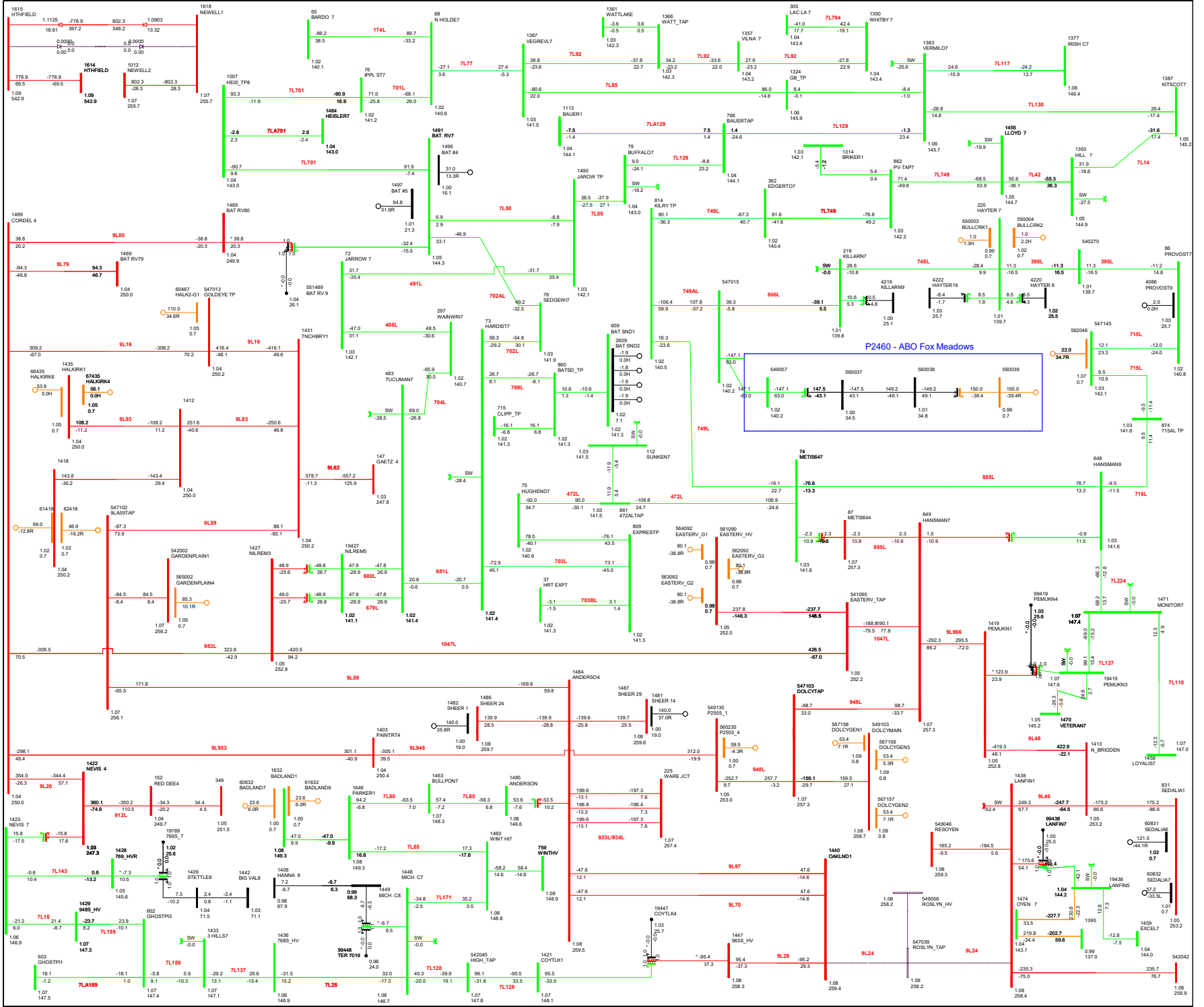
Sask Import: 0.0 MW

MATL: 186.2 MW

FIGURE A5-5-N-1: 953L-NILREM 574S TO CORDEL 755S
2028 SUMMER LIGHT - SCN 5 (POST PROJECT)
FRI, MAR 28 2025 17:51

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -798.8 MW

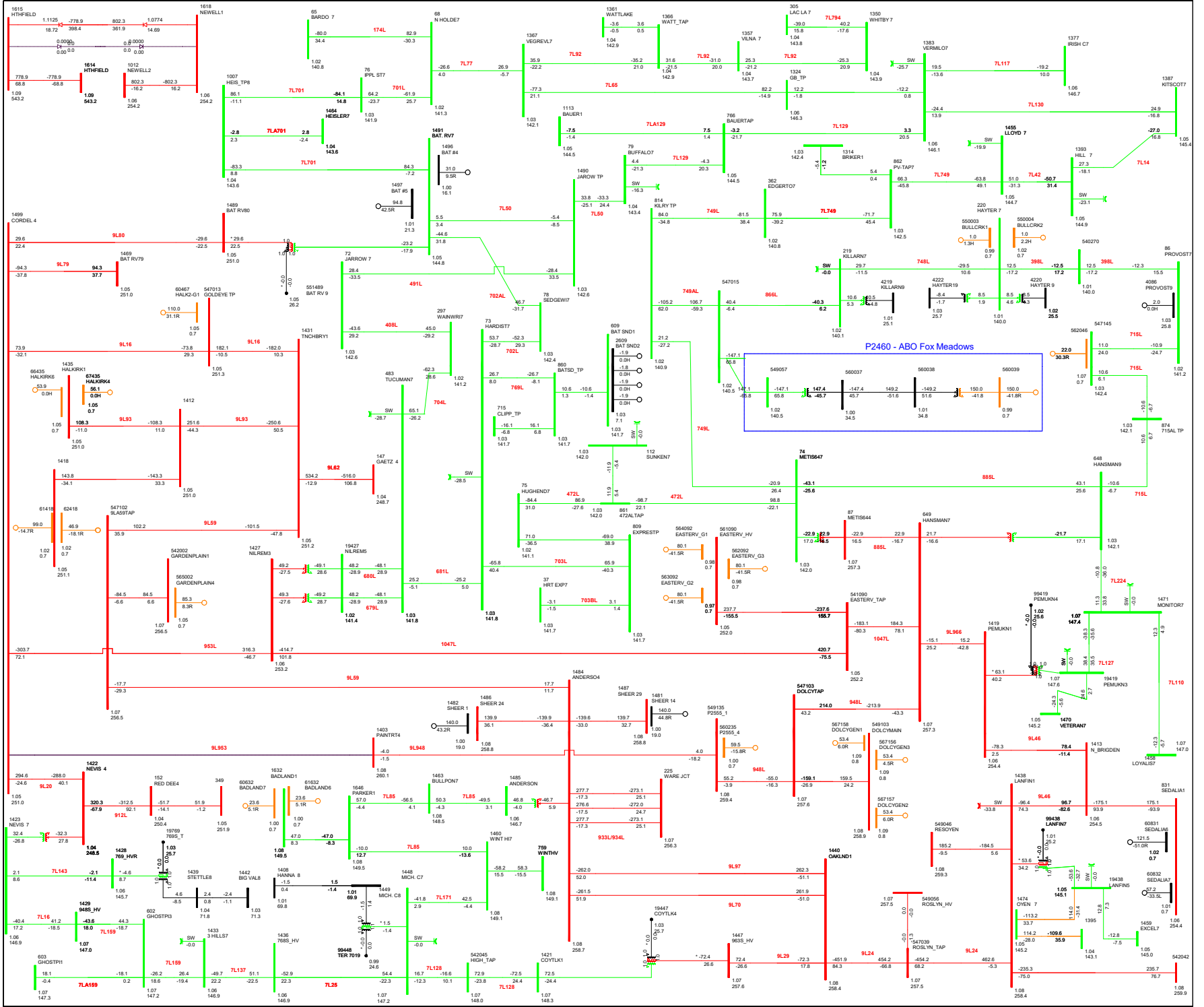
Sask Import: 0.0 MW

MATL: 186.2 MW

FIGURE A5-14-N-1: 9L24-LANFINE 959S TO OAKLAND 946S
2028 SUMMER LIGHT - SCN 5 (POST PROJECT)
FRI, MAR 28 2025 17:52

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -852.8 MW

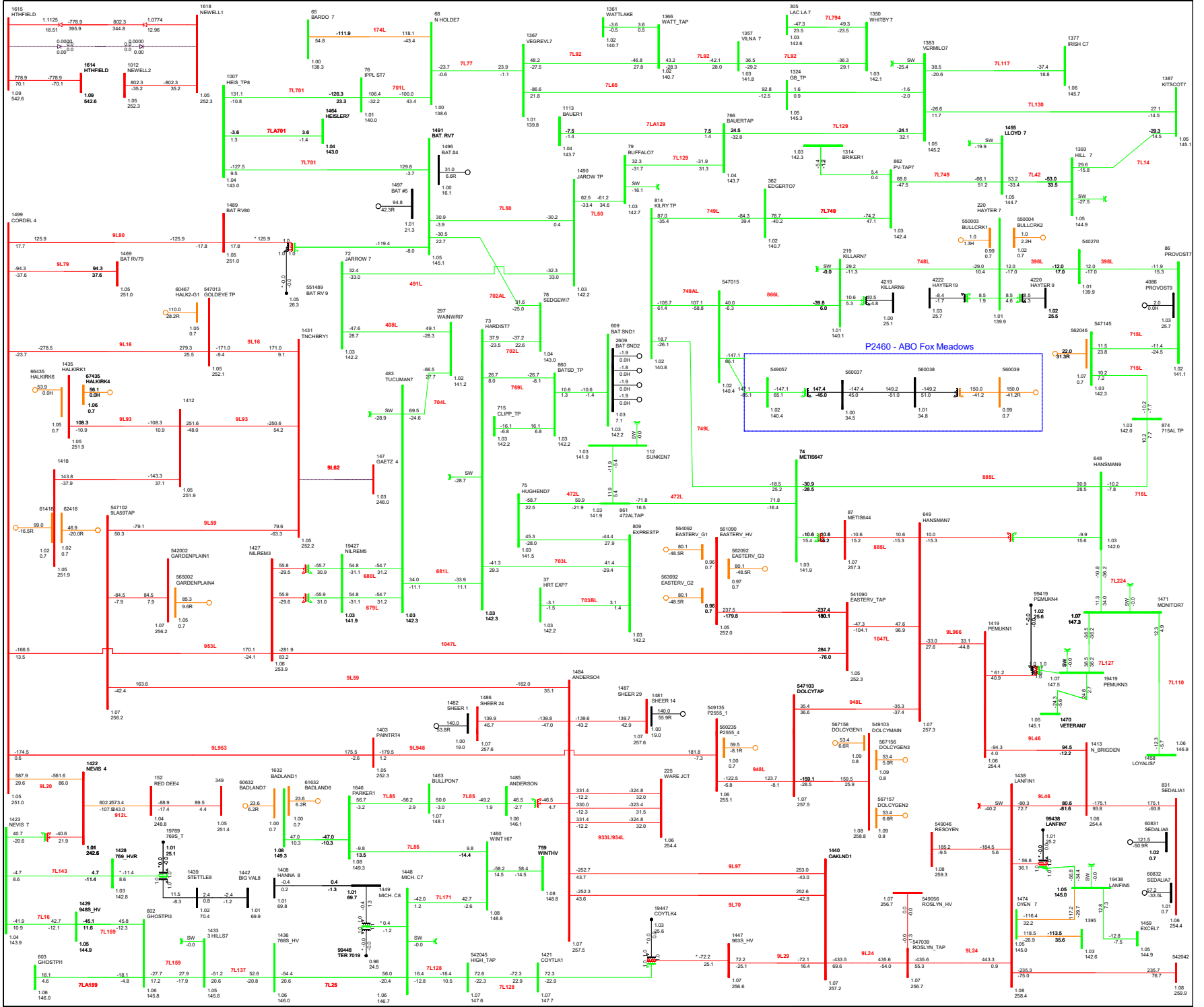
Sask Import: 0.0 MW

MATL: 186.2 MW

FIGURE A5-4-N-1: 9L27-CORDEL 755S TO PAINTEARTH 863S
2028 SUMMER LIGHT - SCN 5 (POST PROJECT)
FRI, MAR 28 2025 17:51

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -801.7 MW

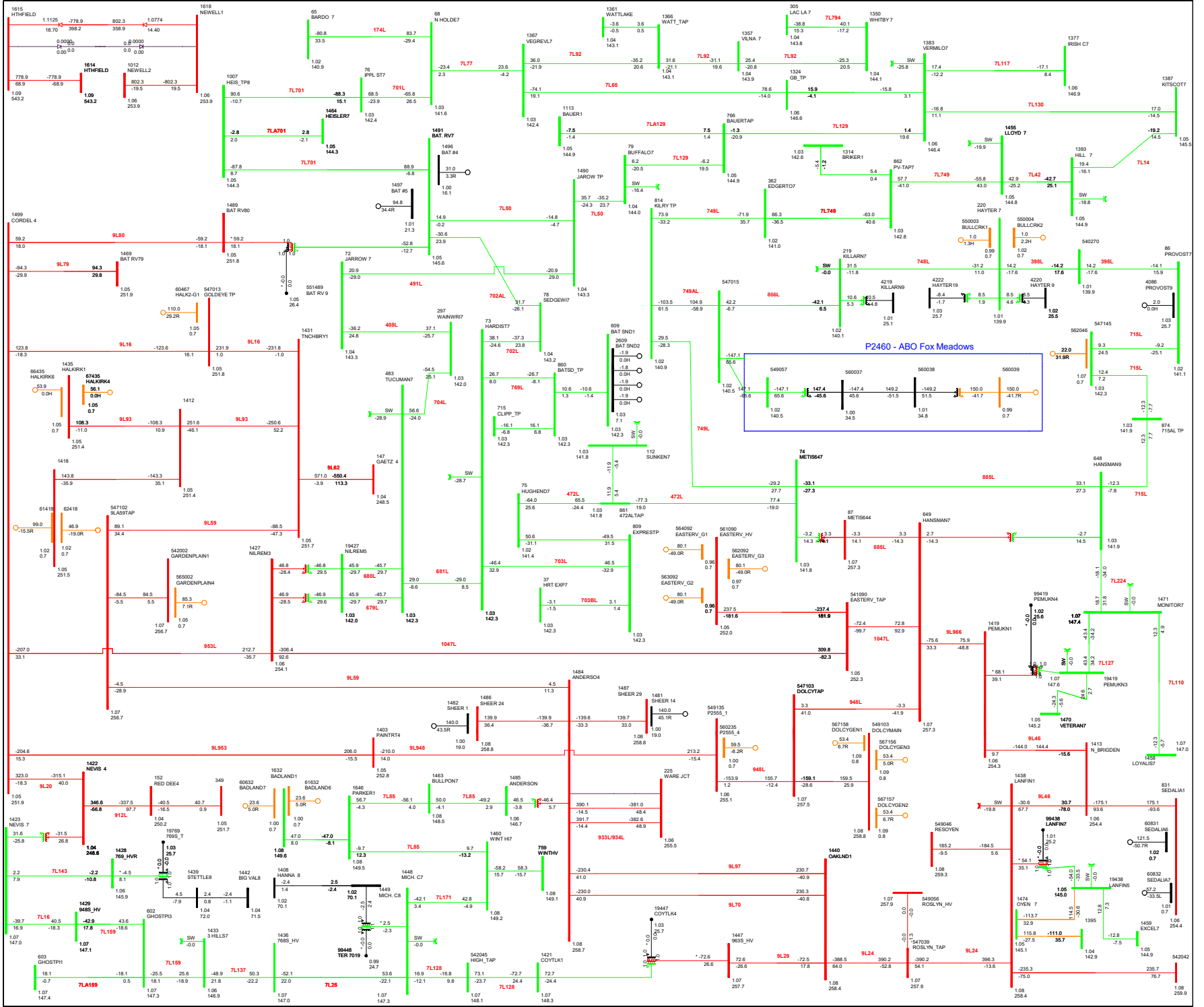
Sask Import: 0.0 MW

MATL: 186.2 MW

FIGURE A5-8-N-1: 9L62-GAETZ TO 972S TINCHEBRAY
2028 SUMMER LIGHT - SCN 5 (POST PROJECT)
FRI, MAR 28 2025 17:51

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -859.8 MW

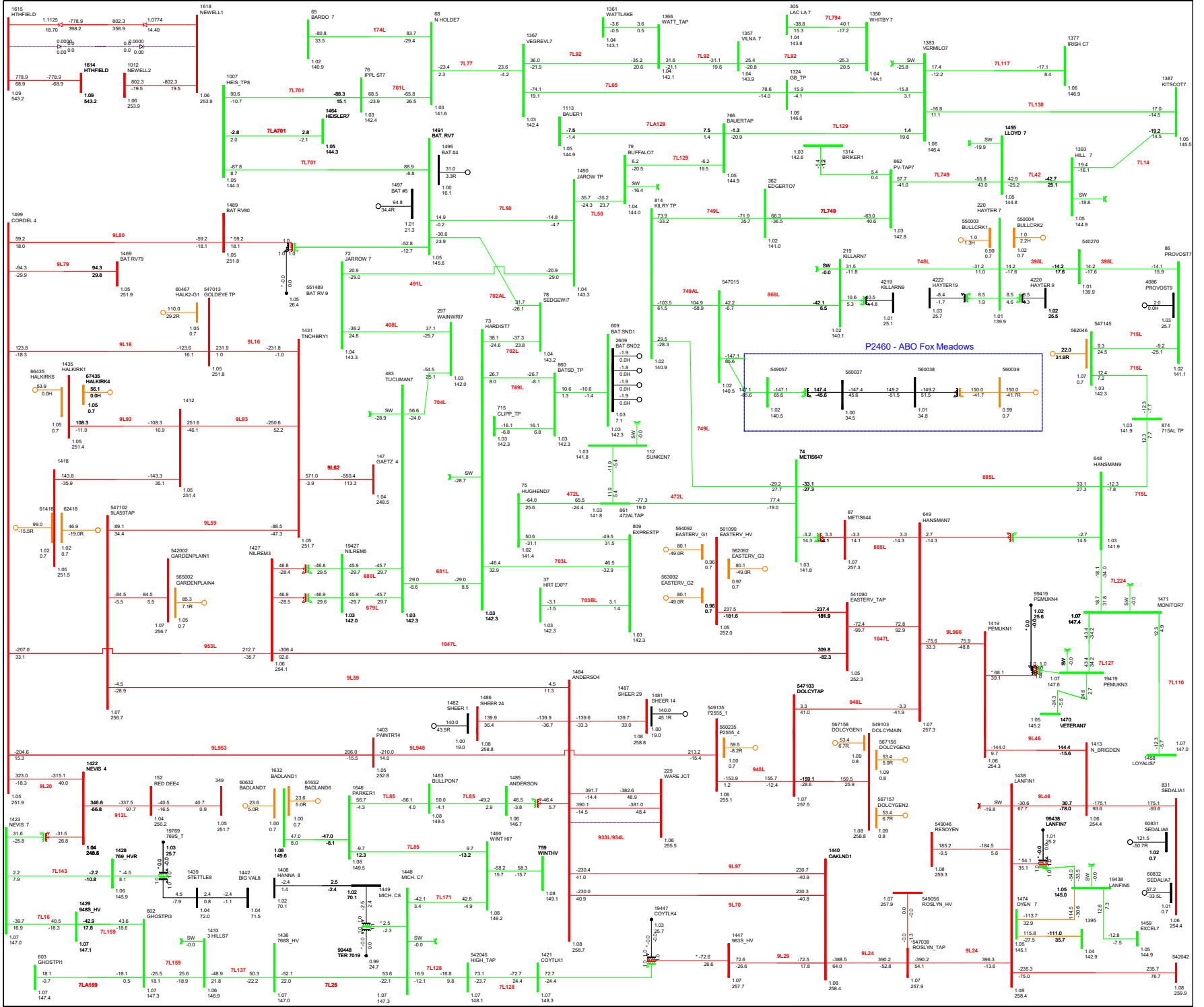
Sask Import: 0.0 MW

MATL: 186.2 MW

FIGURE A5-9-N-1: 9L933-ANDERSON 801S TO WARE JUNCITON 132S
2028 SUMMER LIGHT - SCN 5 (POST PROJECT)
FRI, MAR 28 2025 17:51

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -859.8 MW

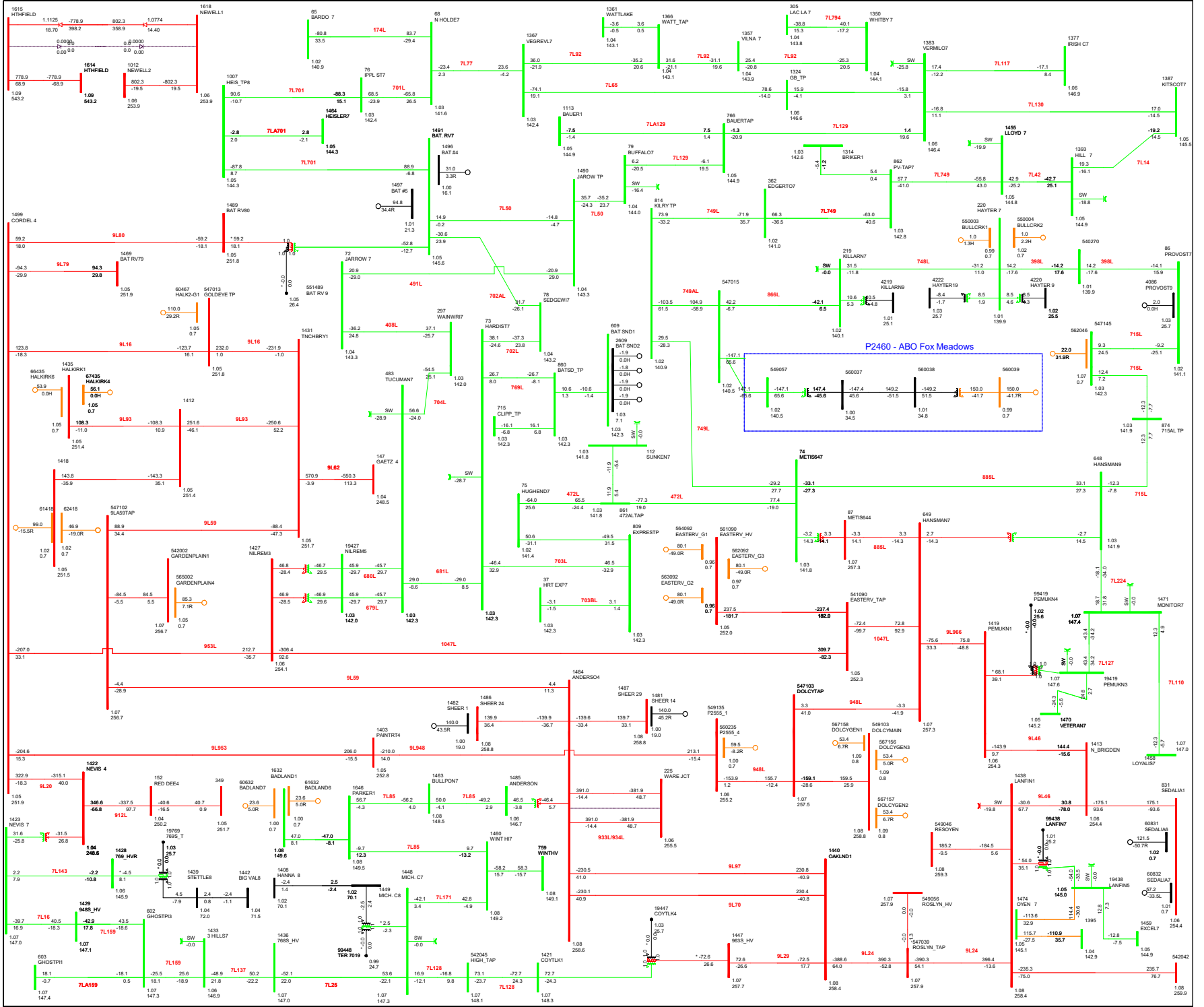
Sask Import: 0.0 MW

MATL: 186.2 MW

FIGURE A5-10-N-1: 9L934-ANDERSON 801S TO WARE JUNCITON 132S
2028 SUMMER LIGHT - SCN 5 (POST PROJECT)
FRI, MAR 28 2025 17:51

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -859.9 MW

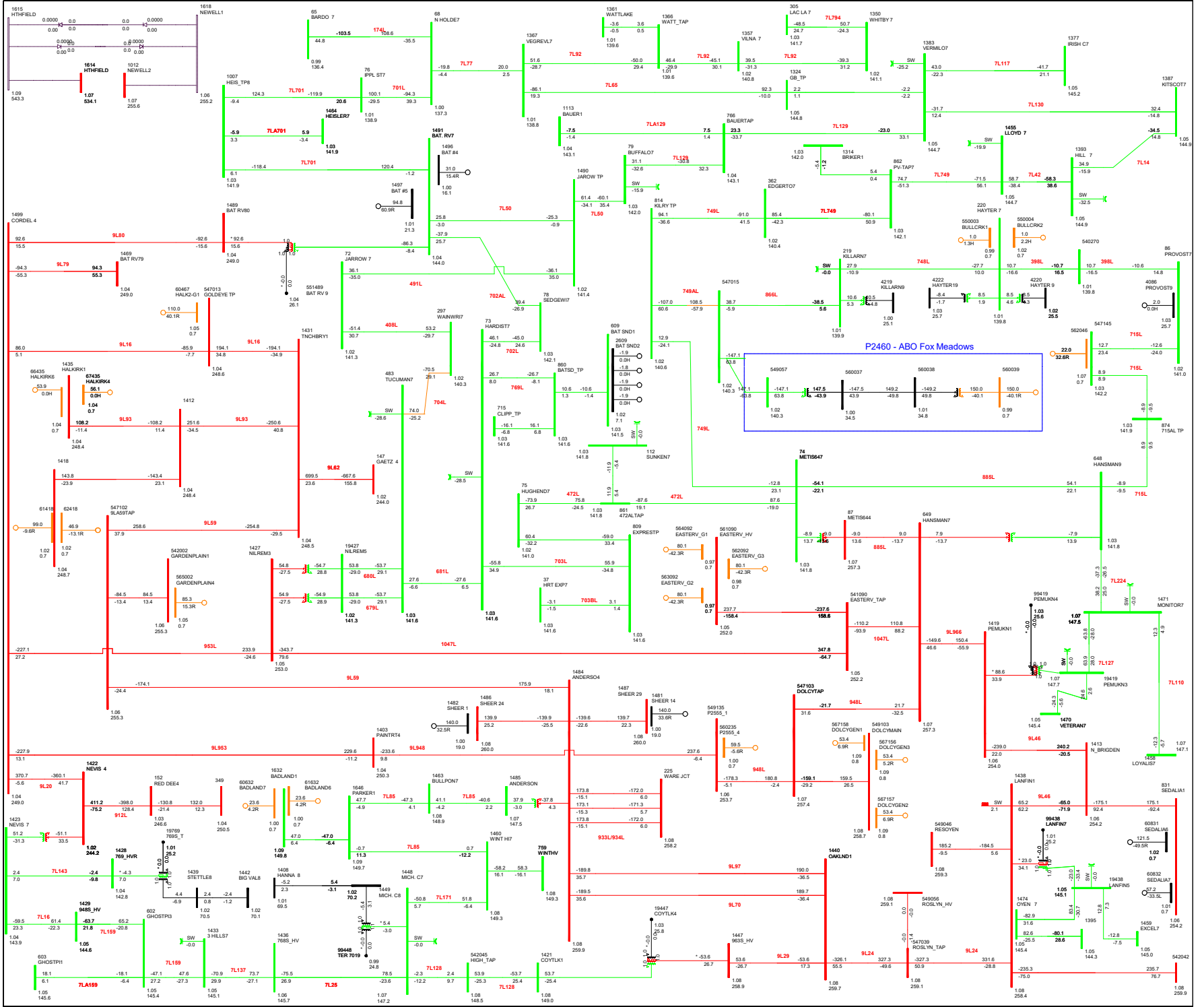
Sask Import: 0.0 MW

MATL: 186.2 MW

FIGURE A5-11-N-1: 9L950-ANDERSON 801S TO WARE JUNCITON 132S
2028 SUMMER LIGHT - SCN 5 (POST PROJECT)
FRI, MAR 28 2025 17:52

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -754.9 MW

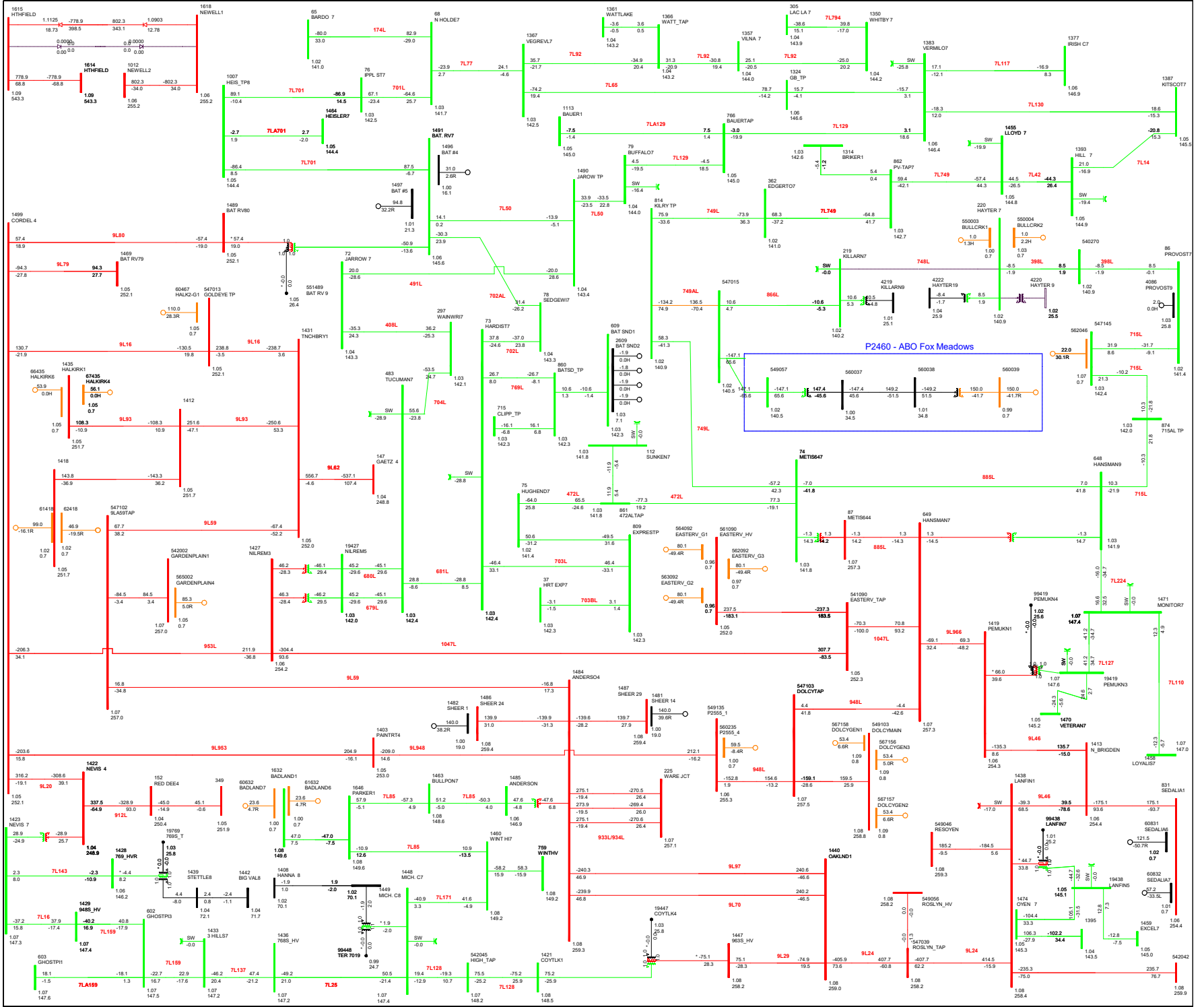
Sask Import: 0.0 MW

MATL: 186.3 MW

FIGURE A5-21-N-1: EATL
2028 SUMMER LIGHT - SCN 5 (POST PROJECT)
FRI, MAR 28 2025 17:52

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -873.4 MW

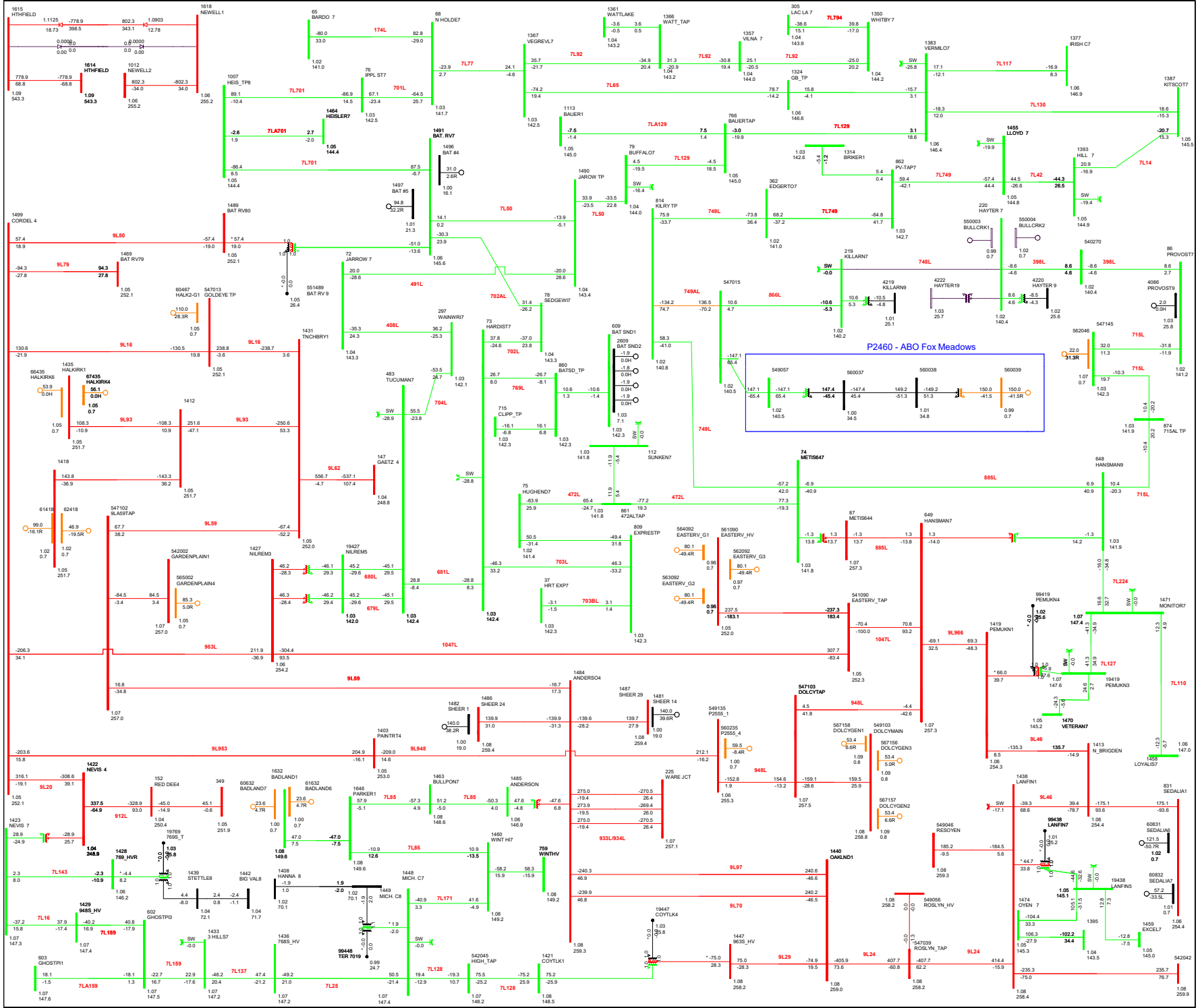
Sask Import: 0.0 MW

MATL: 186.2 MW

FIGURE A5-17-N-1: HAYTER 277S TRANSFORMER1
2028 SUMMER LIGHT - SCN 5 (POST PROJECT)
FRI, MAR 28 2025 17:52

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -873.3 MW

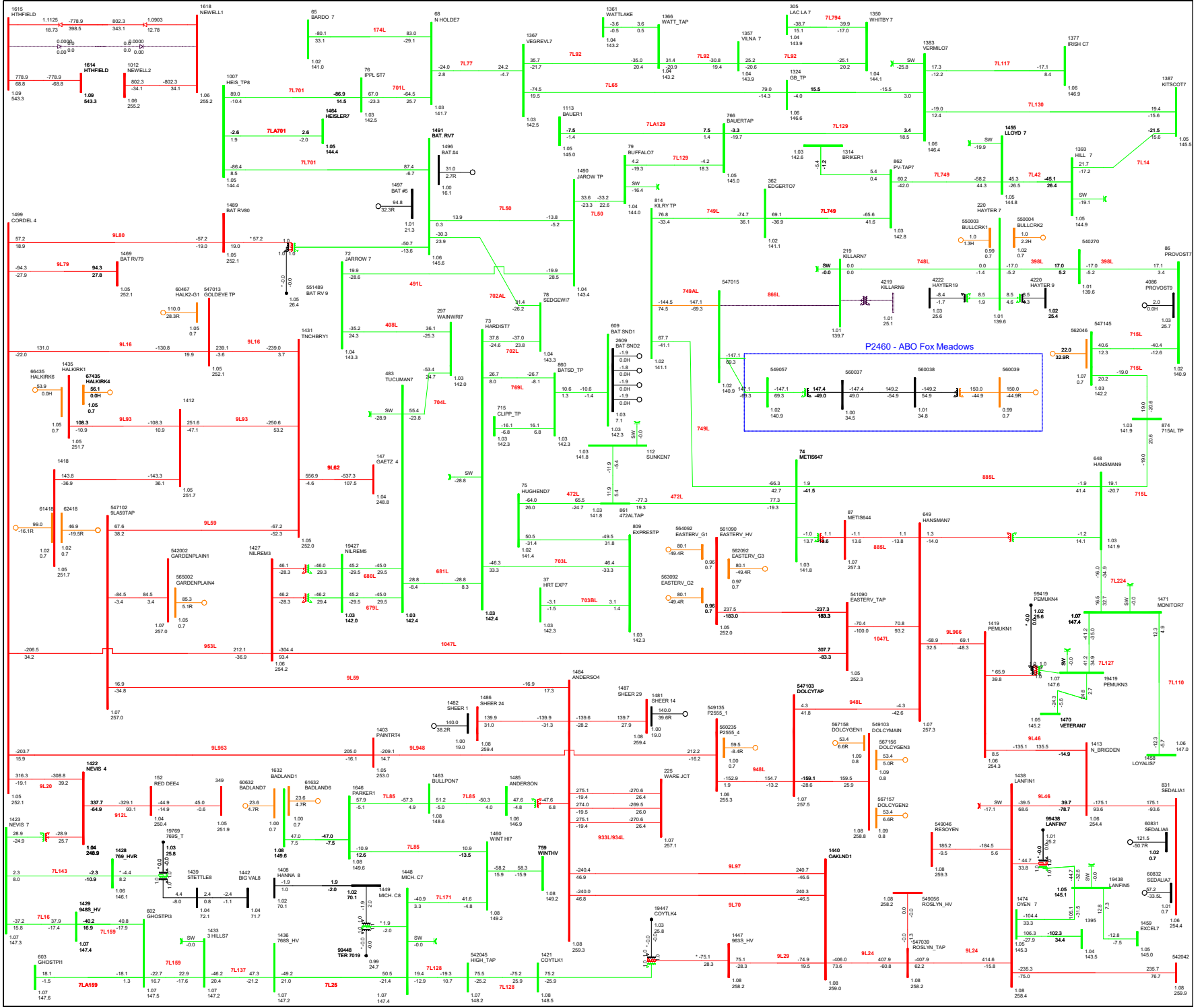
Sask Import: 0.0 MW

MATL: 186.2 MW

FIGURE A5-18-N-1: HAYTER 277S TRANSFORMER2
2028 SUMMER LIGHT - SCN 5 (POST PROJECT)
FRI, MAR 28 2025 17:53

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 **<=500.000** >500.000



P2460- ABO Fox Meadows Wind

BC Import: -874.3 MW

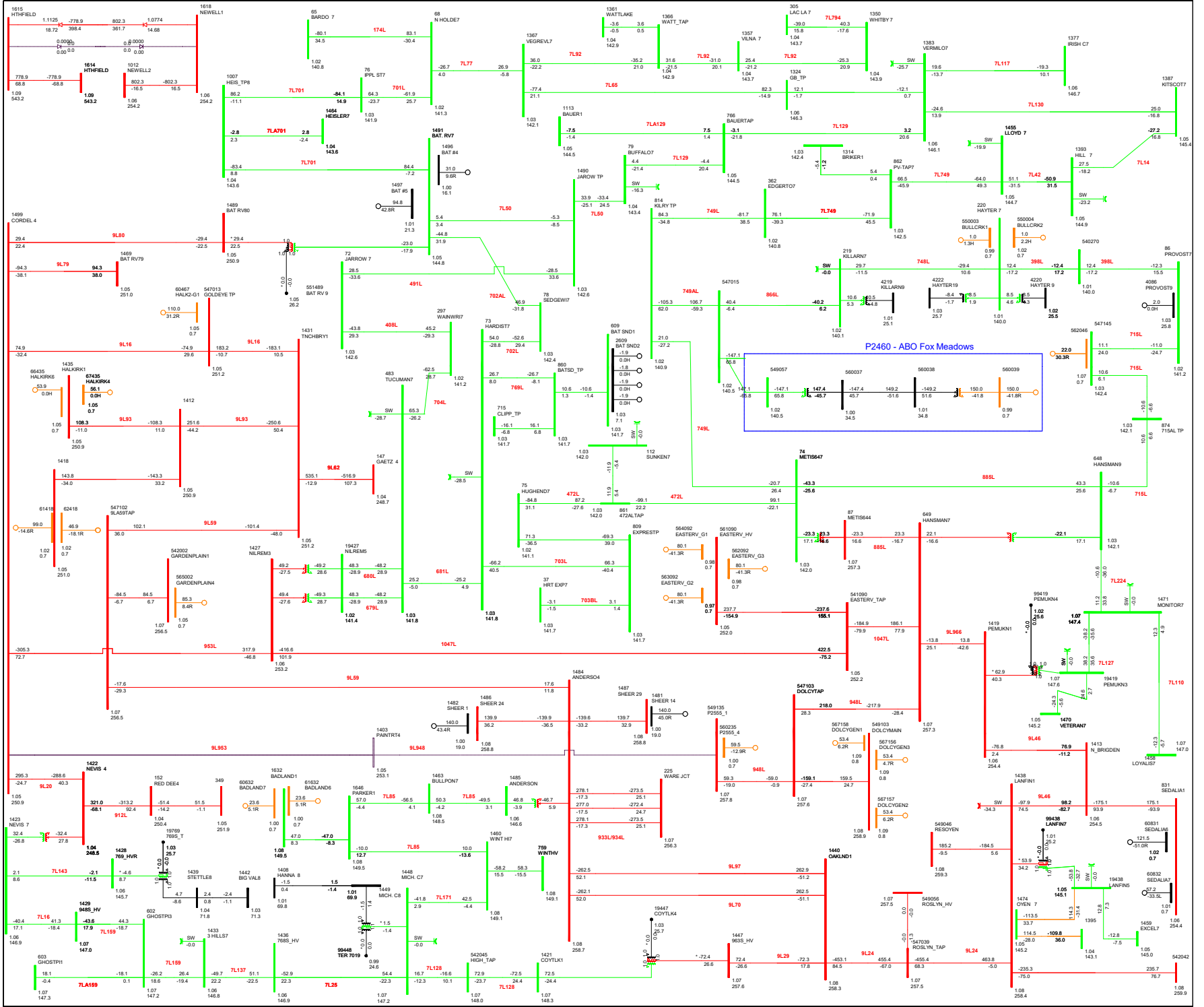
Sask Import: 0.0 MW

MATL: 186.2 MW

FIGURE A5-6-N-1: KILLARNARY 138/25 KV 267ST1 TRANSFORMER
2028 SUMMER LIGHT - SCN 5 (POST PROJECT)
FRI, MAR 28 2025 17:51

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -855.7 MW

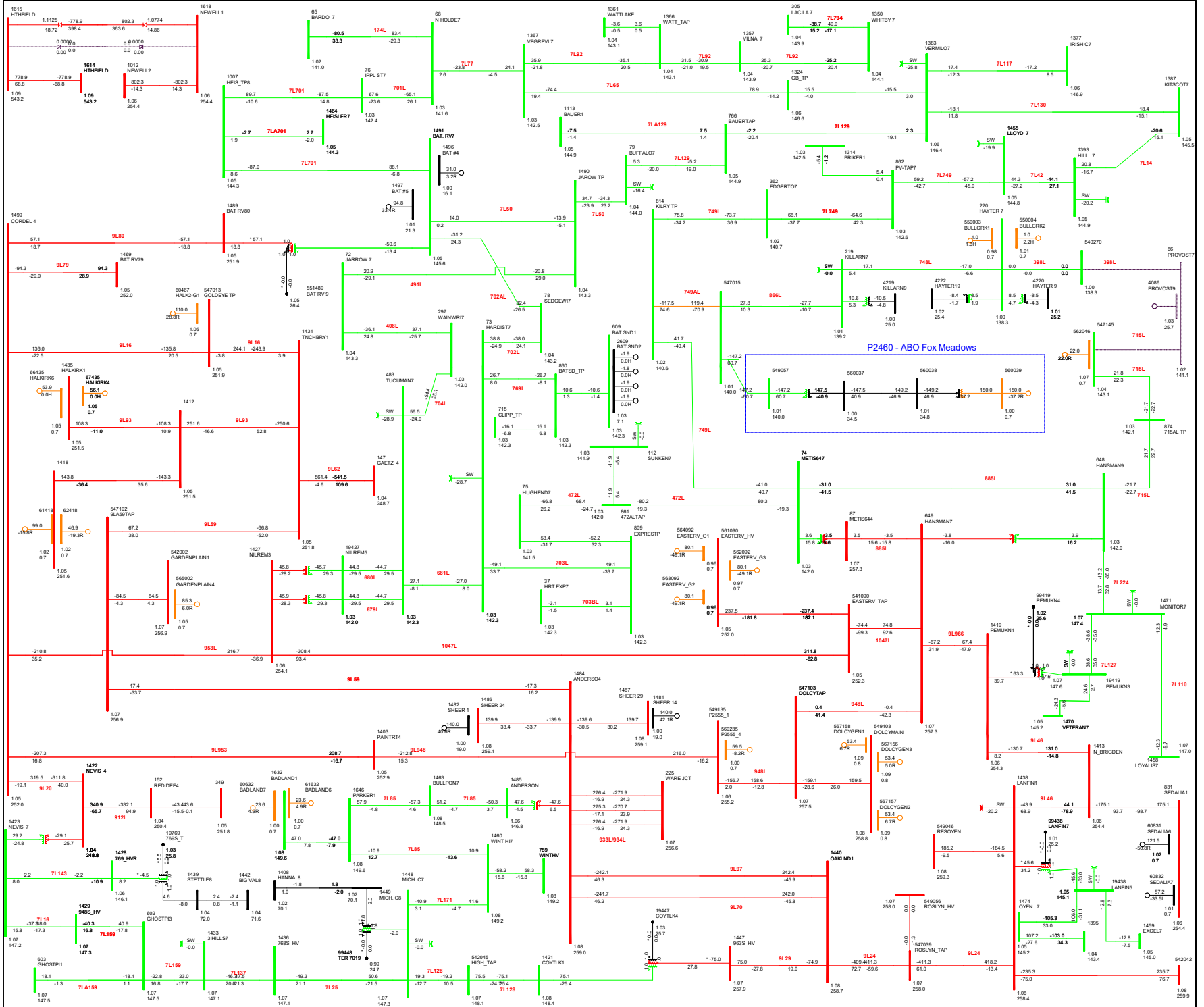
Sask Import: 0.0 MW

MATL: 186.2 MW

FIGURE A5-19-N-1: PAINTEARTH 863S-901T-902T
2028 SUMMER LIGHT - SCN 5 (POST PROJECT)
FRI, MAR 28 2025 17:52

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -884.8 MW

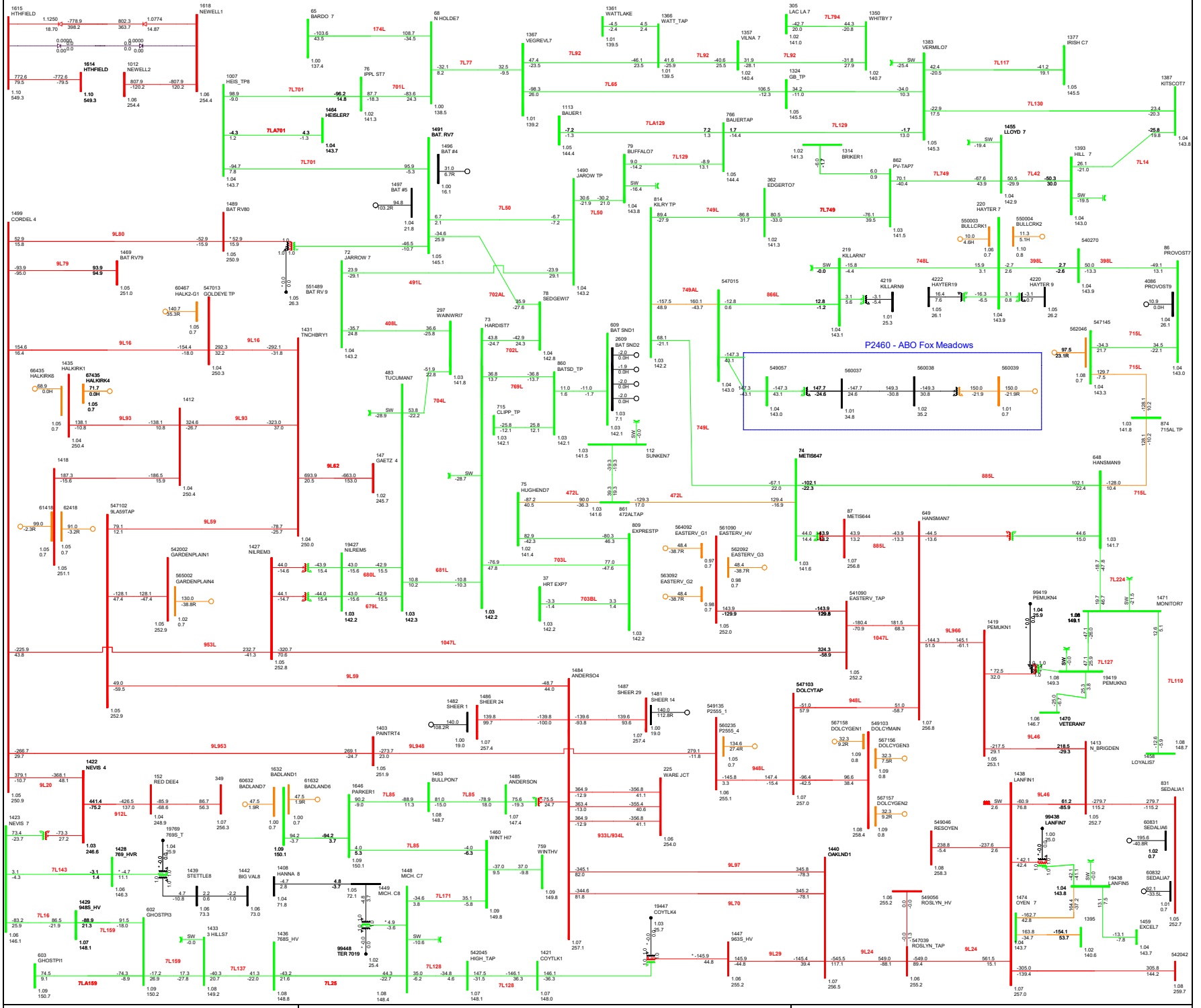
Sask Import: 0.0 MW

MATL: 186.2 MW

FIGURE A5-16-N-1: PROVOST TRANSFORMER 545ST1
2028 SUMMER LIGHT - SCN 5 (POST PROJECT)
FRI, MAR 28 2025 17:54

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -833.0 MW

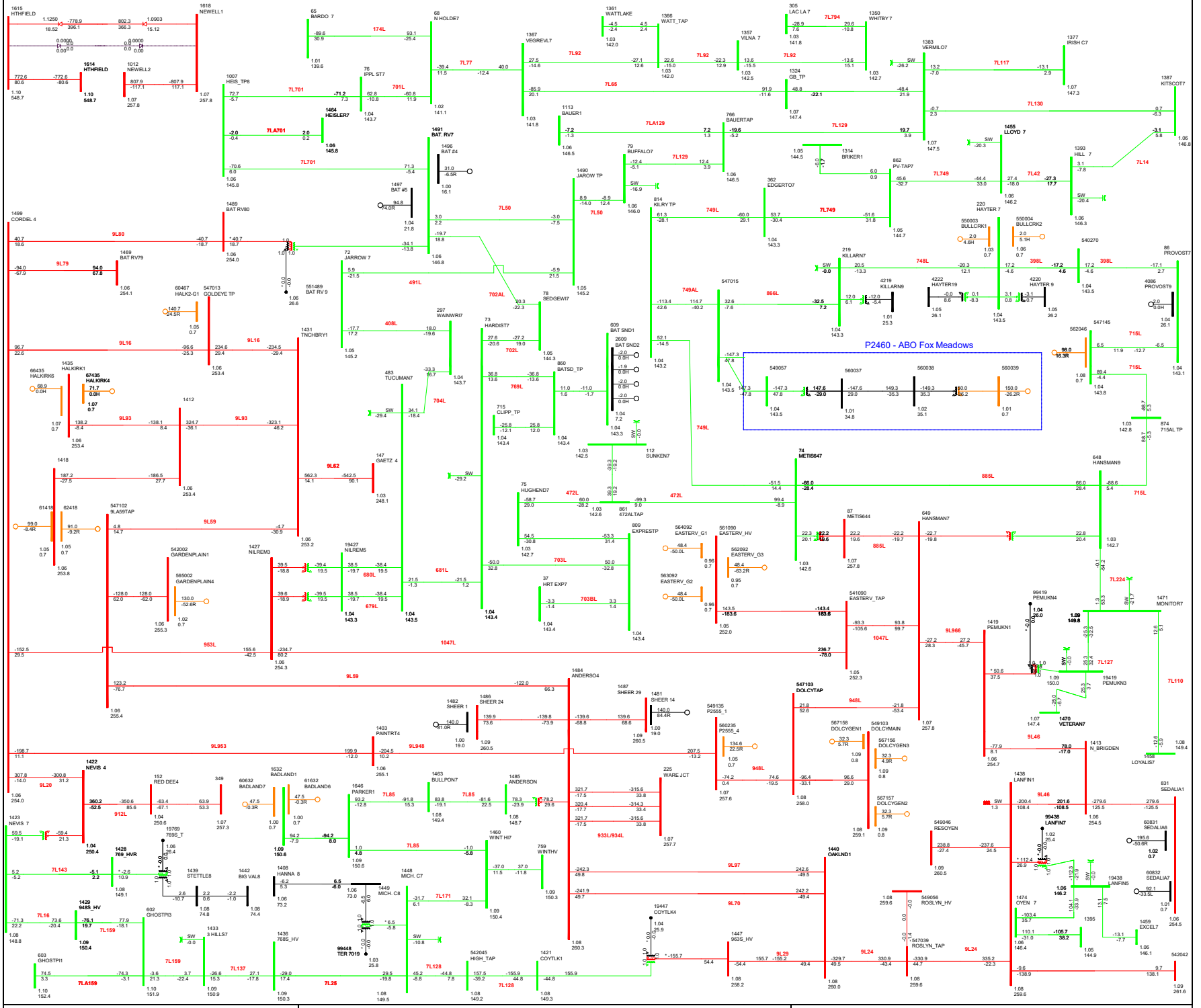
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE B0-6-N-0
2028 SUMMER PEAK - SCN 6 (POST PROJECT - PRE CURTAILMENT)
THU, AUG 14 2025 21:11

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -851.1 MW

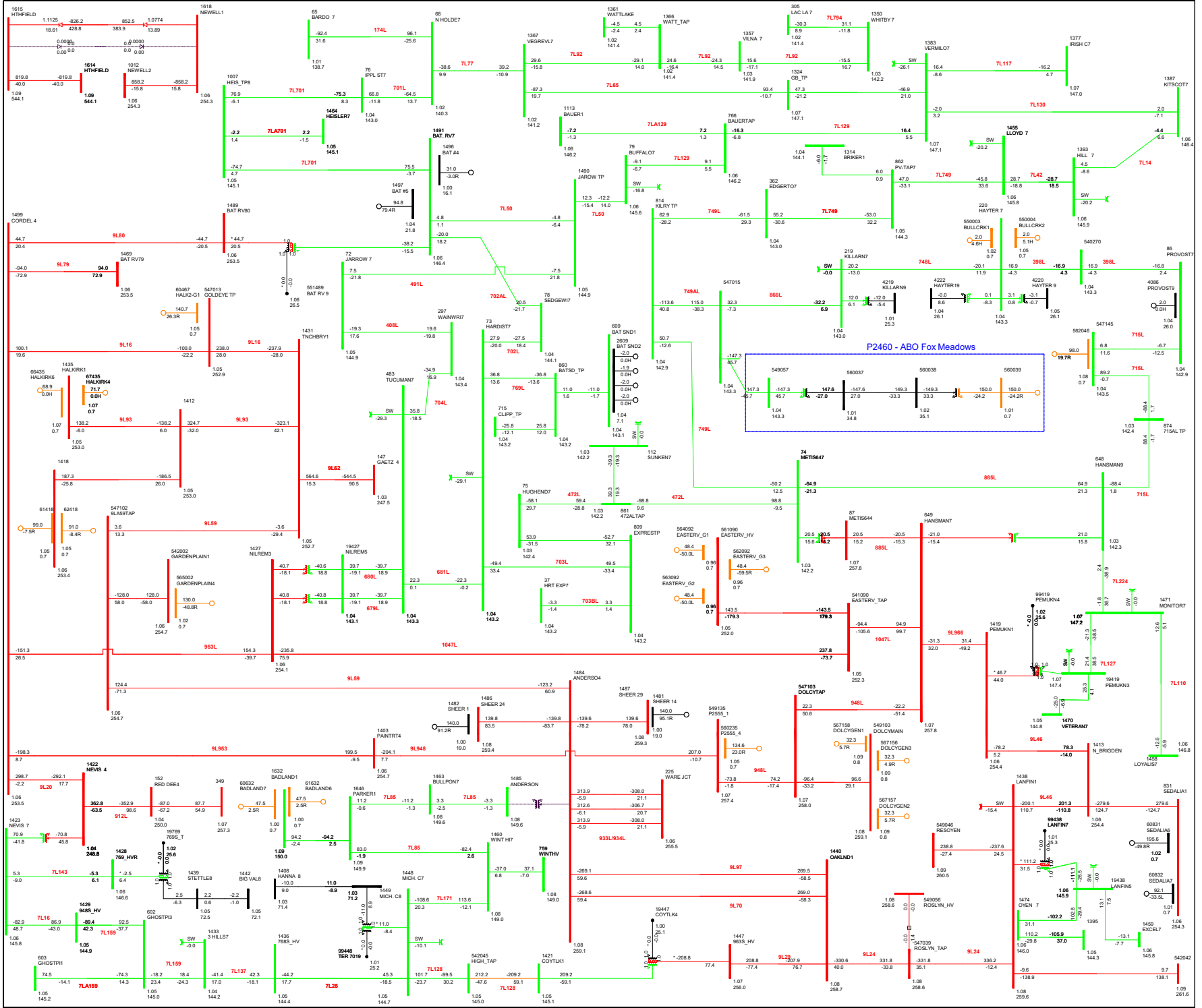
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A0-6-N-0: NORMAL OPERATION
2028 SUMMER PEAK - SCN 6 (POST PROJECT)
SAT, AUG 09 2025 1:02

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -842.9 MW

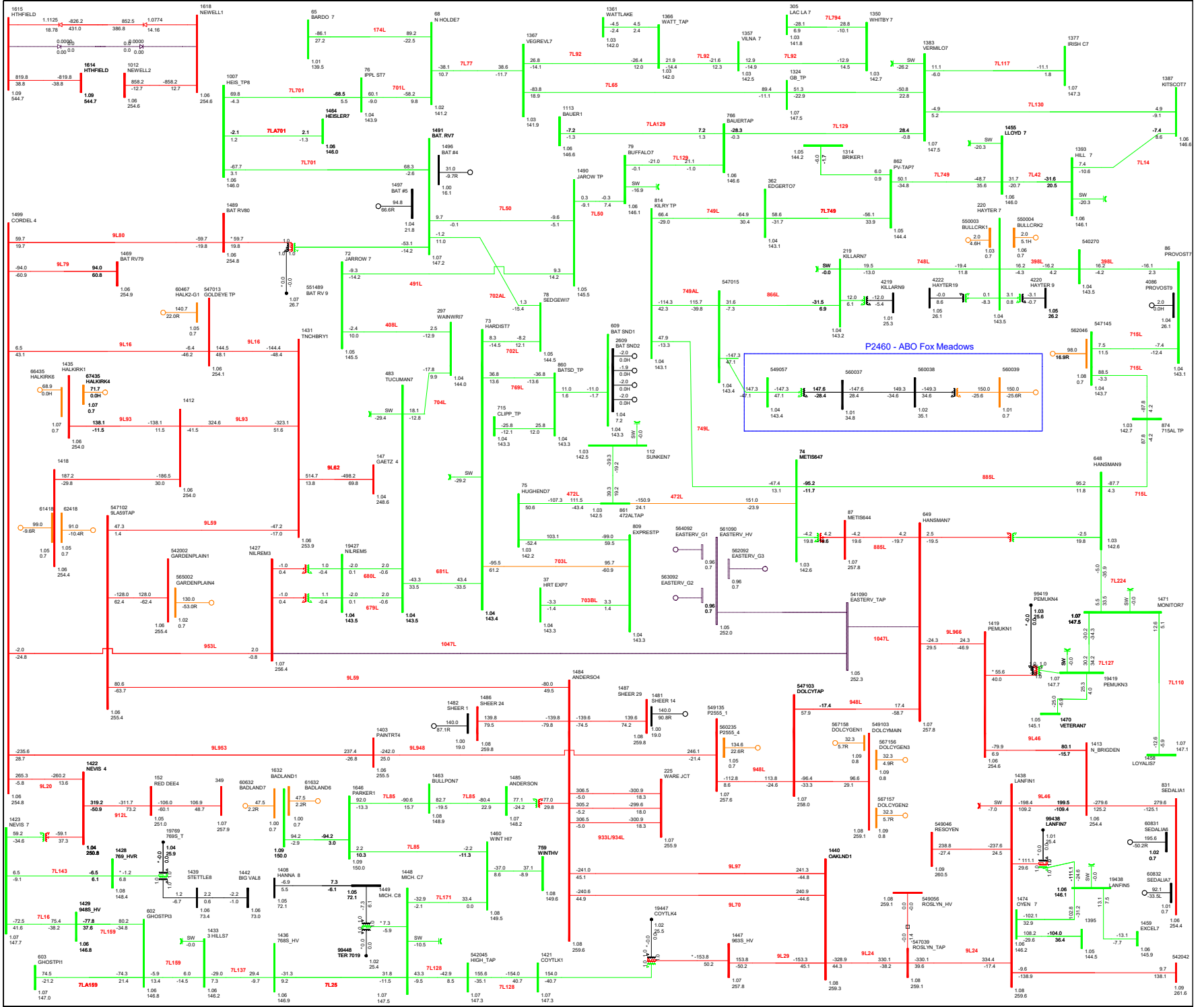
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-13-N-1: ANDERSON 801S TRANSFORMER
2028 SUMMER PEAK - SCN 6 (POST PROJECT)
FRI, MAR 28 2025 17:38

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -730.7 MW

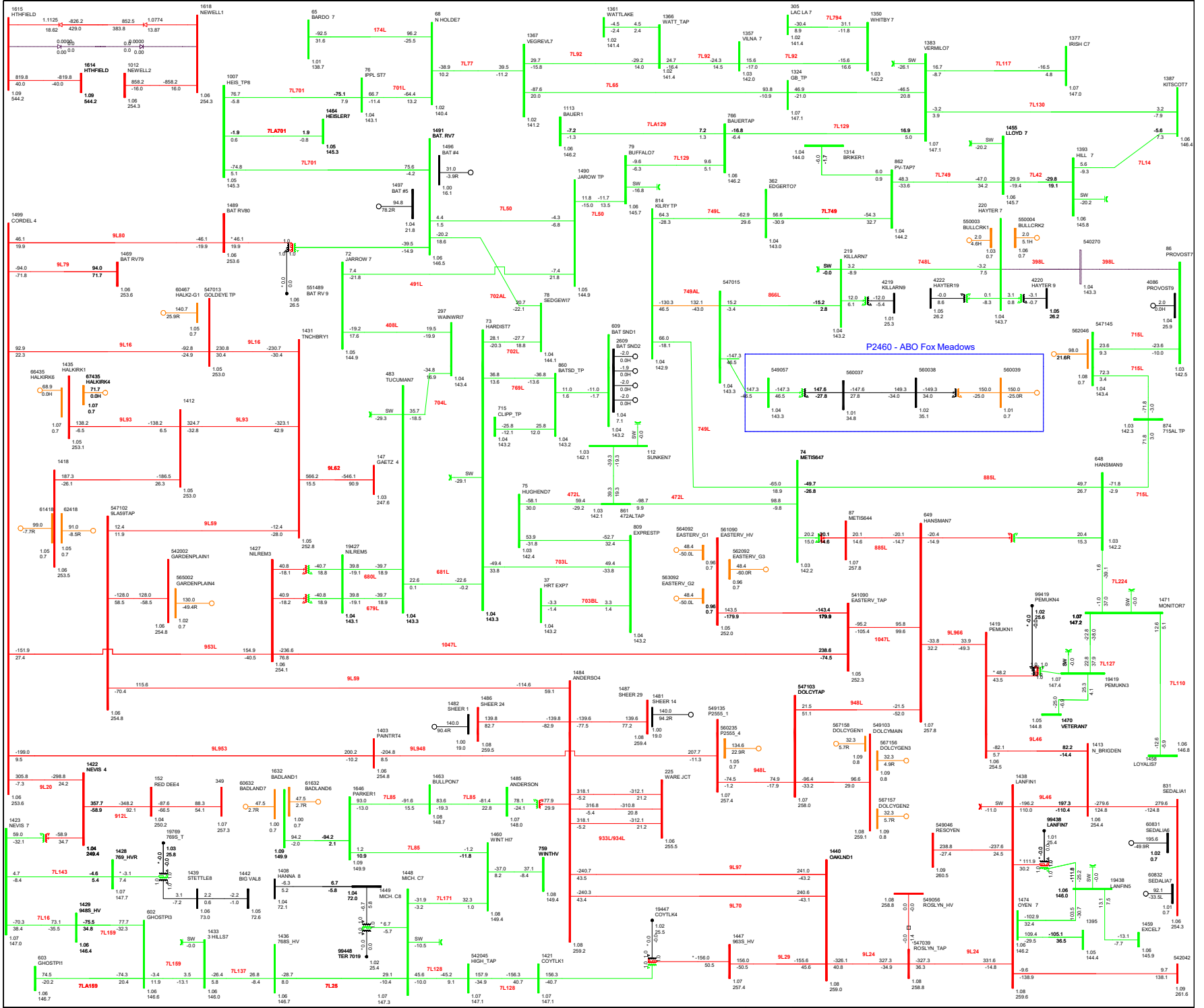
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-21-N-1: 1047L-HANSMAN LAKE 650S TO NILREM 574S
2028 SUMMER PEAK - SCN 6 (POST PROJECT)
FRI, MAR 28 2025 17:39

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -850.6 MW

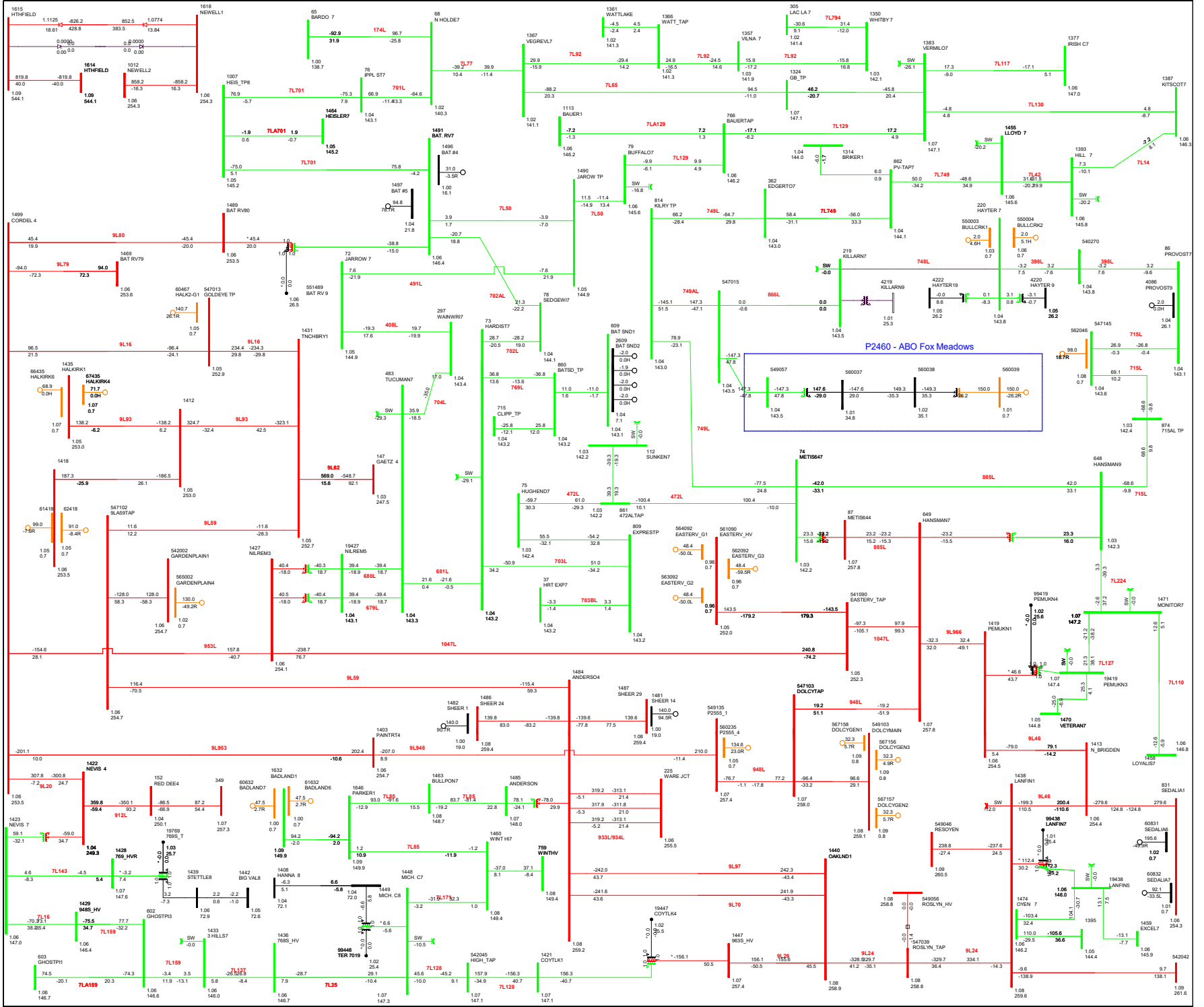
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-20-N-1: 398L-PROVOST 544S TO HAYTER 277S
2028 SUMMER PEAK - SCN 6 (POST PROJECT)
FRI, MAR 28 2025 17:39

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -859.0 MW

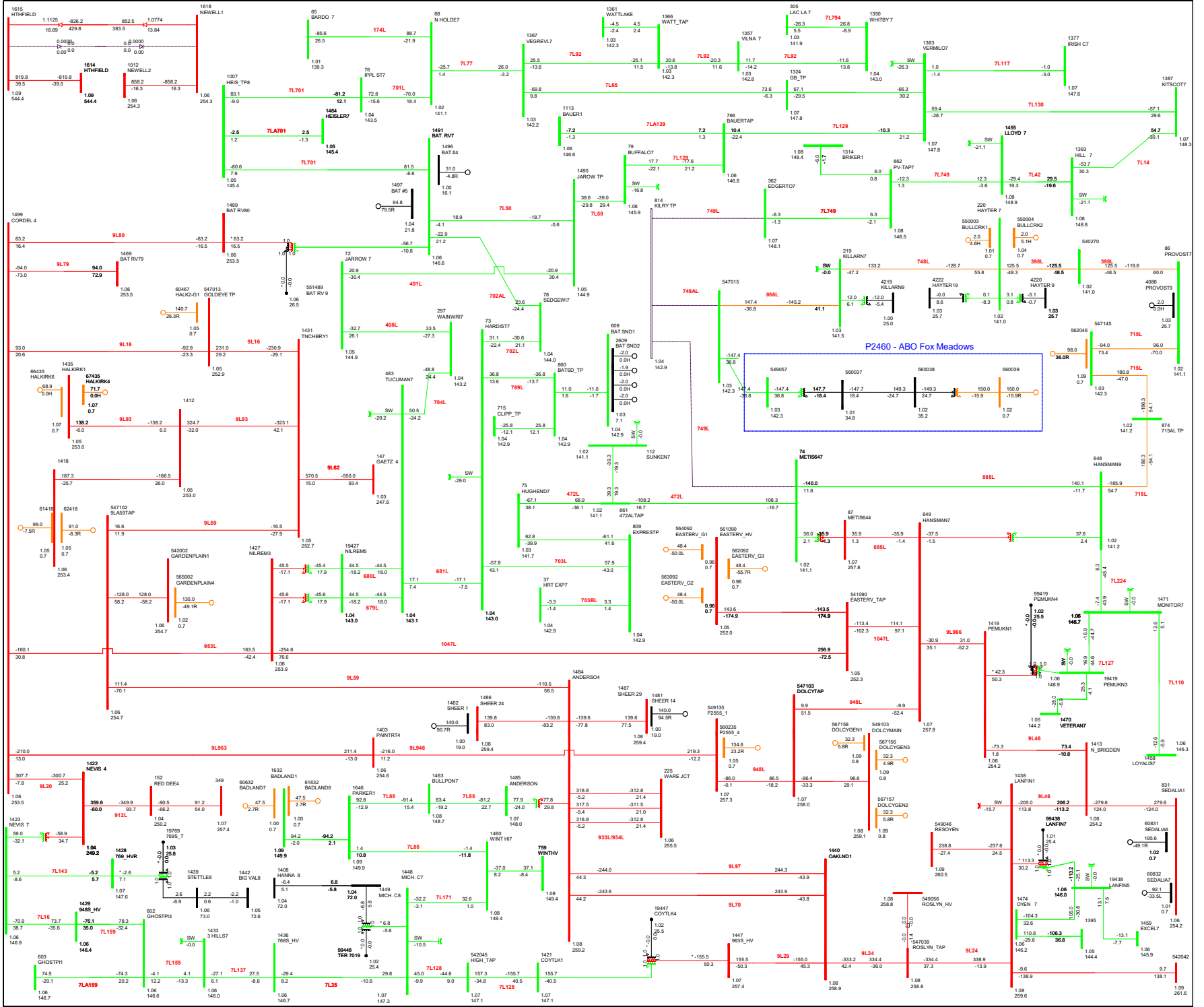
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-3-N-1: 748L-HAYTER 277S TO KILLARNEY LAKE 267S
2028 SUMMER PEAK - SCN 6 (POST PROJECT)
FRI, MAR 28 2025 17:38

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -836.4 MW

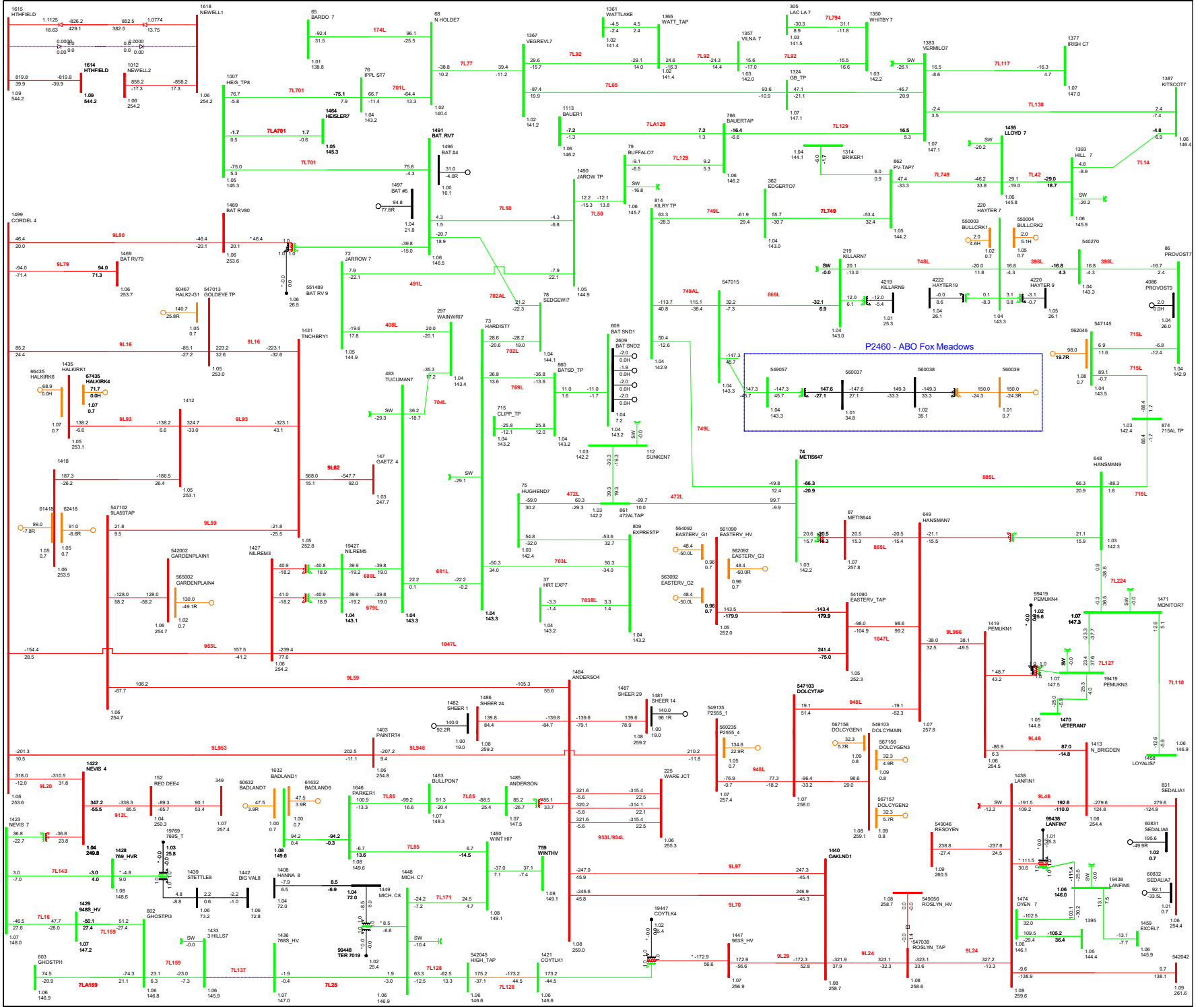
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-23-N-1: 749L-METISKOW 648S TO EDGERTON 899S
2028 SUMMER PEAK - SCN 6 (POST PROJECT)
FRI, MAR 28 2025 17:39

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -851.7 MW

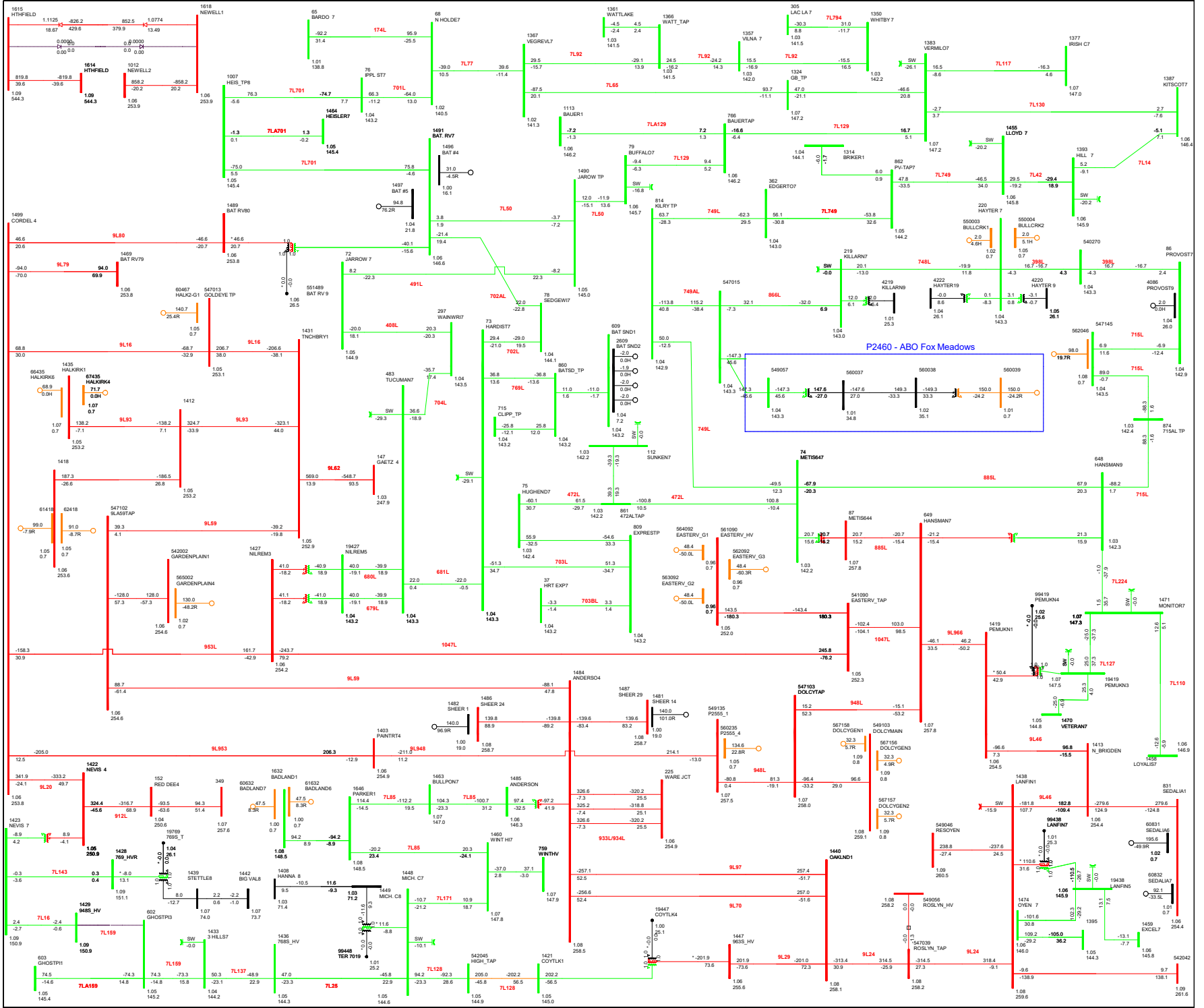
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-10-N-1: 7L137-ROWLEY 768S TO THREE HILLS 770S
2028 SUMMER PEAK - SCN 6 (POST PROJECT)
FRI, MAR 28 2025 17:38

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -845.2 MW

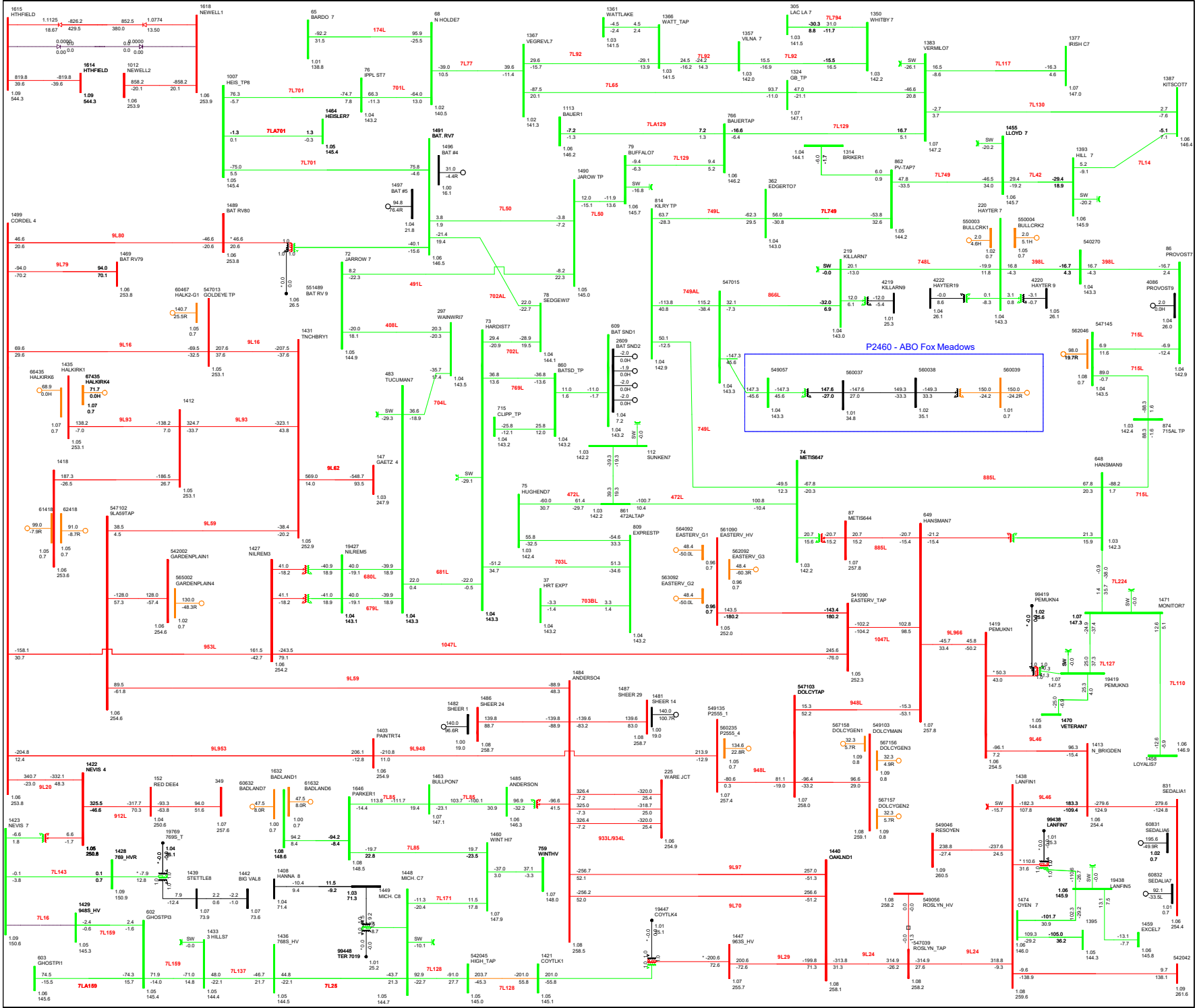
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-4-N-1: 7L159-GHOST PINE 114S TO HEARTBURT 948S
2028 SUMMER PEAK - SCN 6 (POST PROJECT)
FRI, MAR 28 2025 17:38

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -845.8 MW

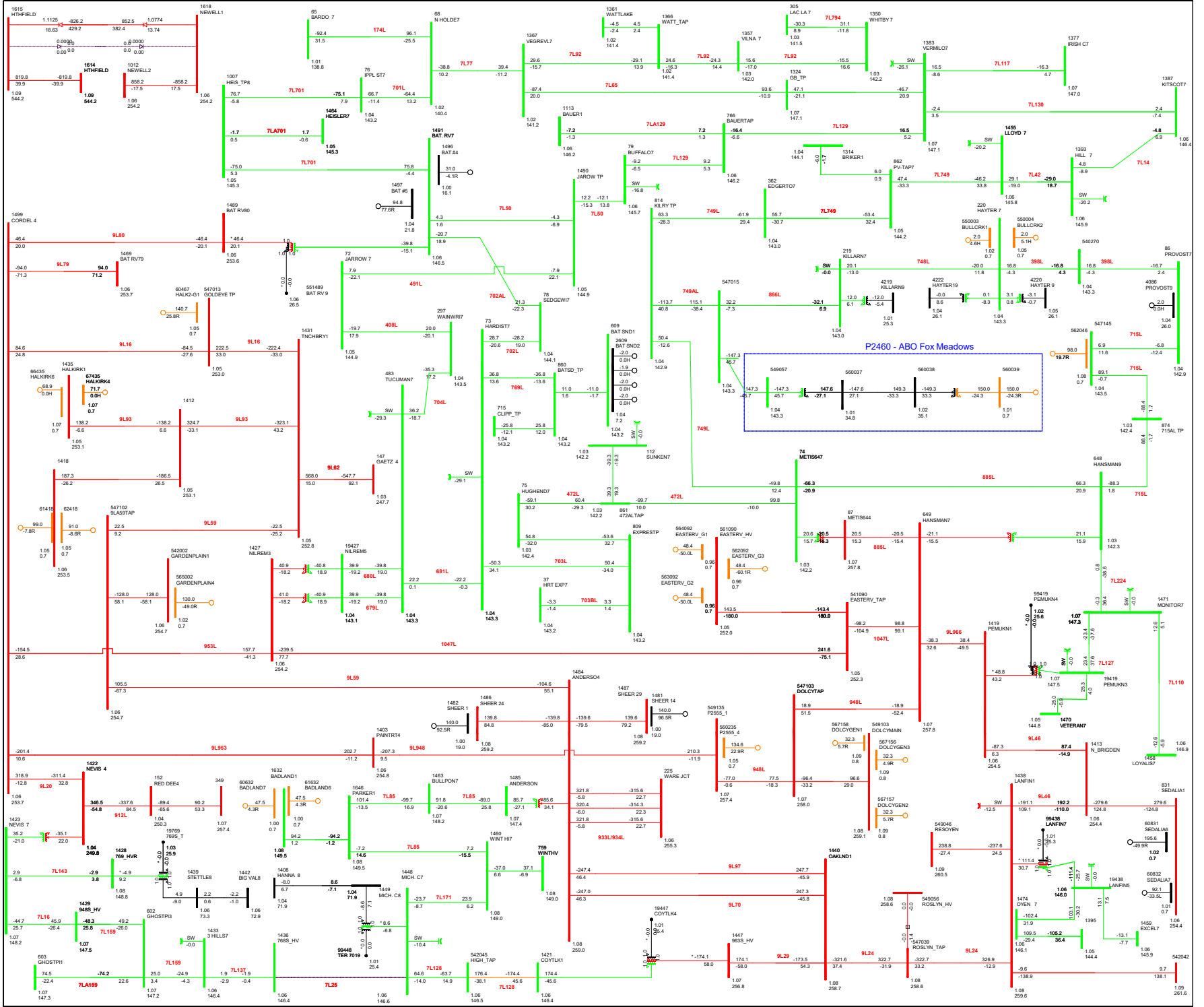
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-8-N-1: 7L16-HEATBURG 948S TO NEVIS 766S
2028 SUMMER PEAK - SCN 6 (POST PROJECT)
FRI, MAR 28 2025 17:38

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -851.7 MW

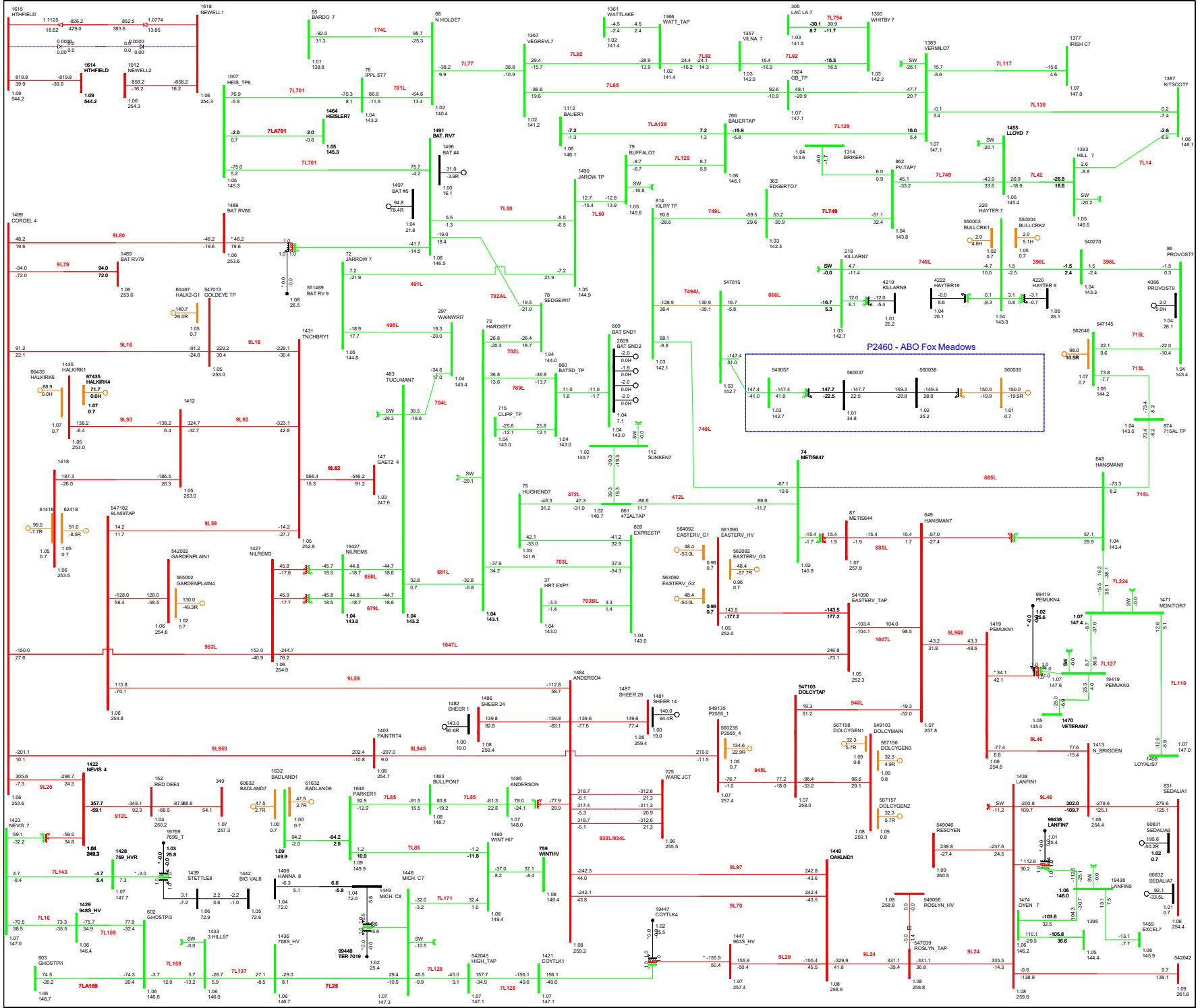
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-11-N-1: 7L25-MICHICHI CREEK 802S TO ROWLEY 768S
2028 SUMMER PEAK - SCN 6 (POST PROJECT)
FRI, MAR 28 2025 17:38

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -851.3 MW

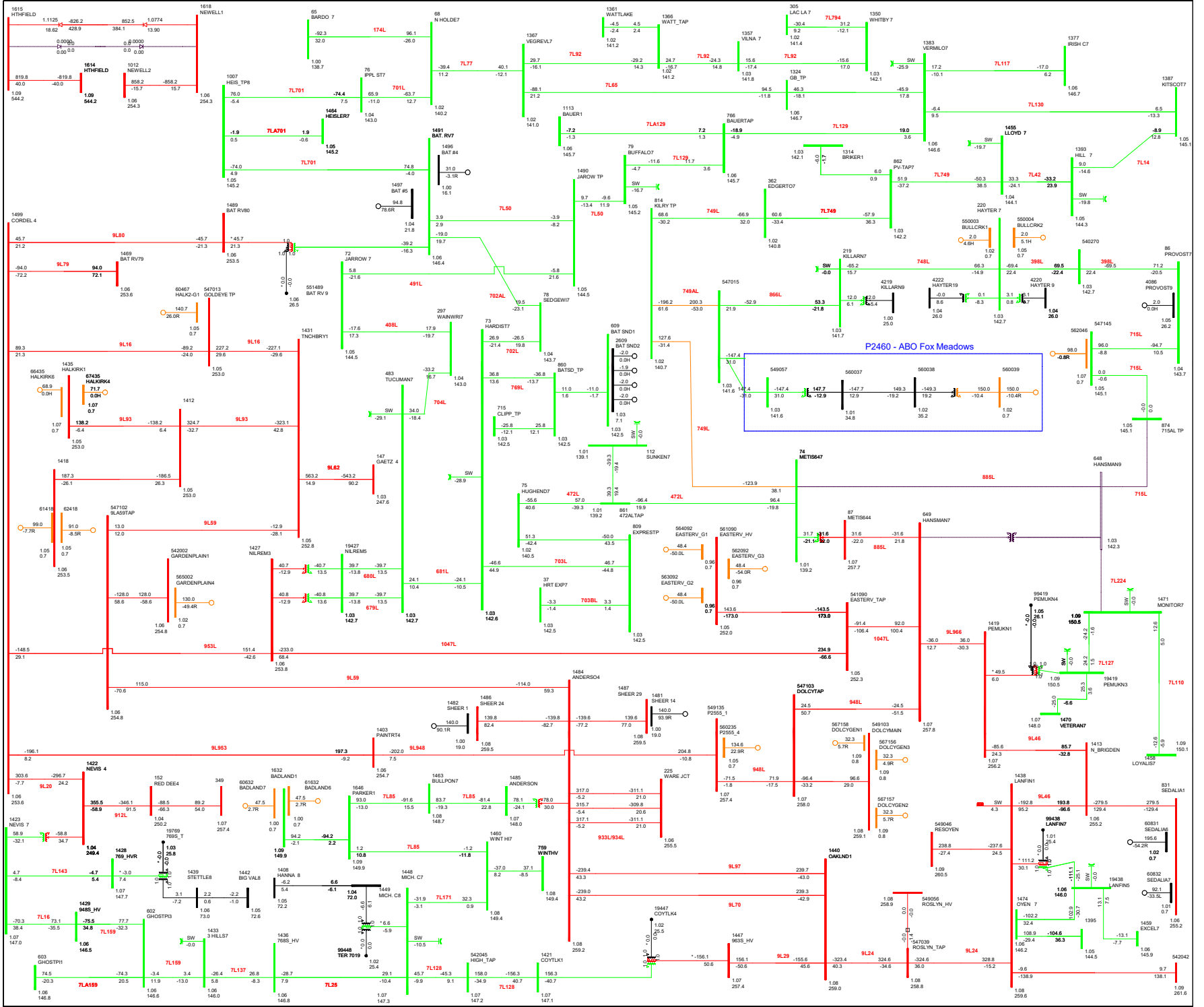
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-2-N-1: 885L-HANSMAN LAKE 650S TO METISKOW 648S
2028 SUMMER PEAK - SCN 6 (POST PROJECT)
FRI, MAR 28 2025 17:37

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -843.3 MW

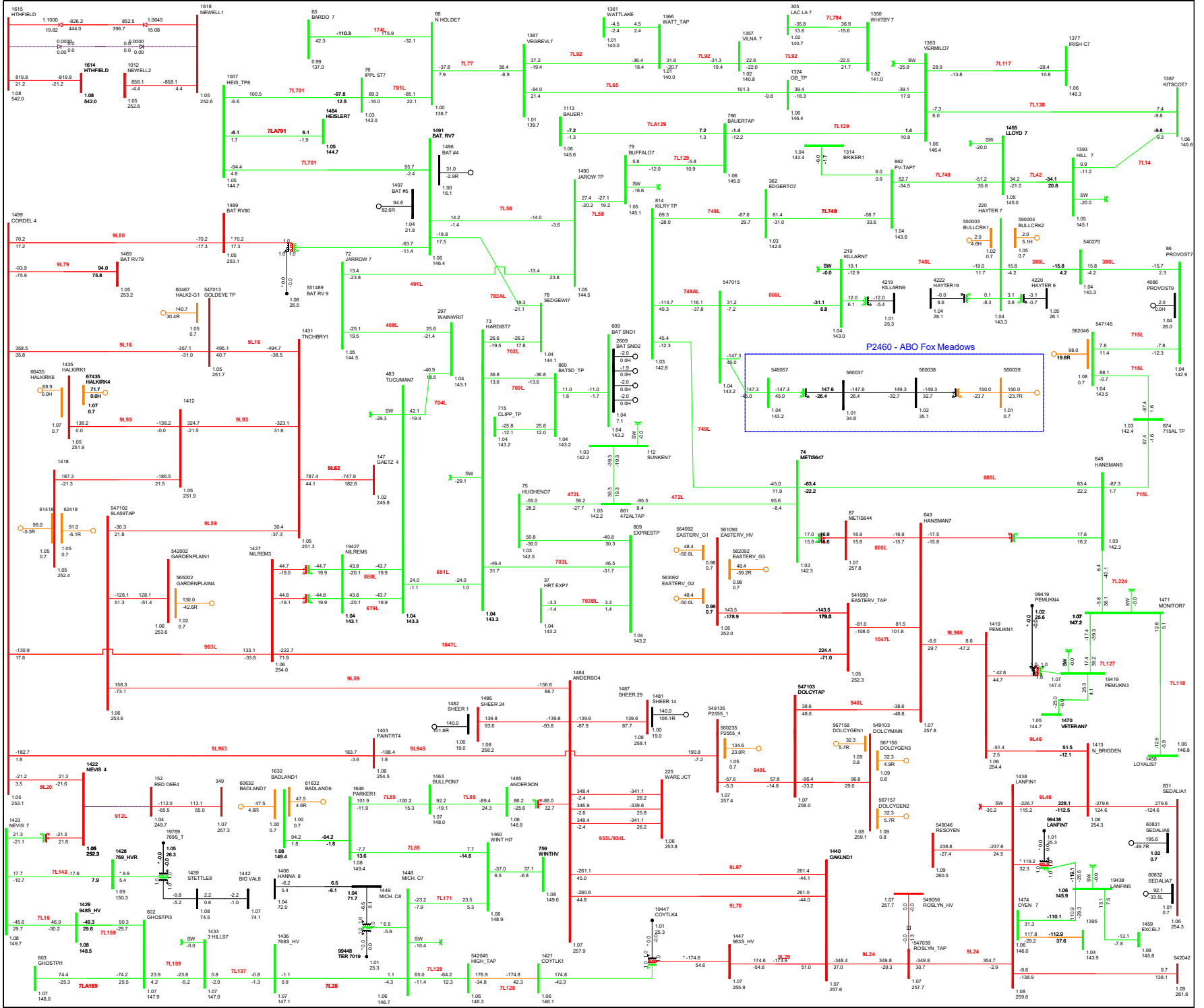
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-30-N-1: 885L-METISKOW 648S TO HANSMAN 650T1
2028 SUMMER PEAK - SCN 6 (POST PROJECT)
FRI, MAR 28 2025 17:39

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -826.7 MW

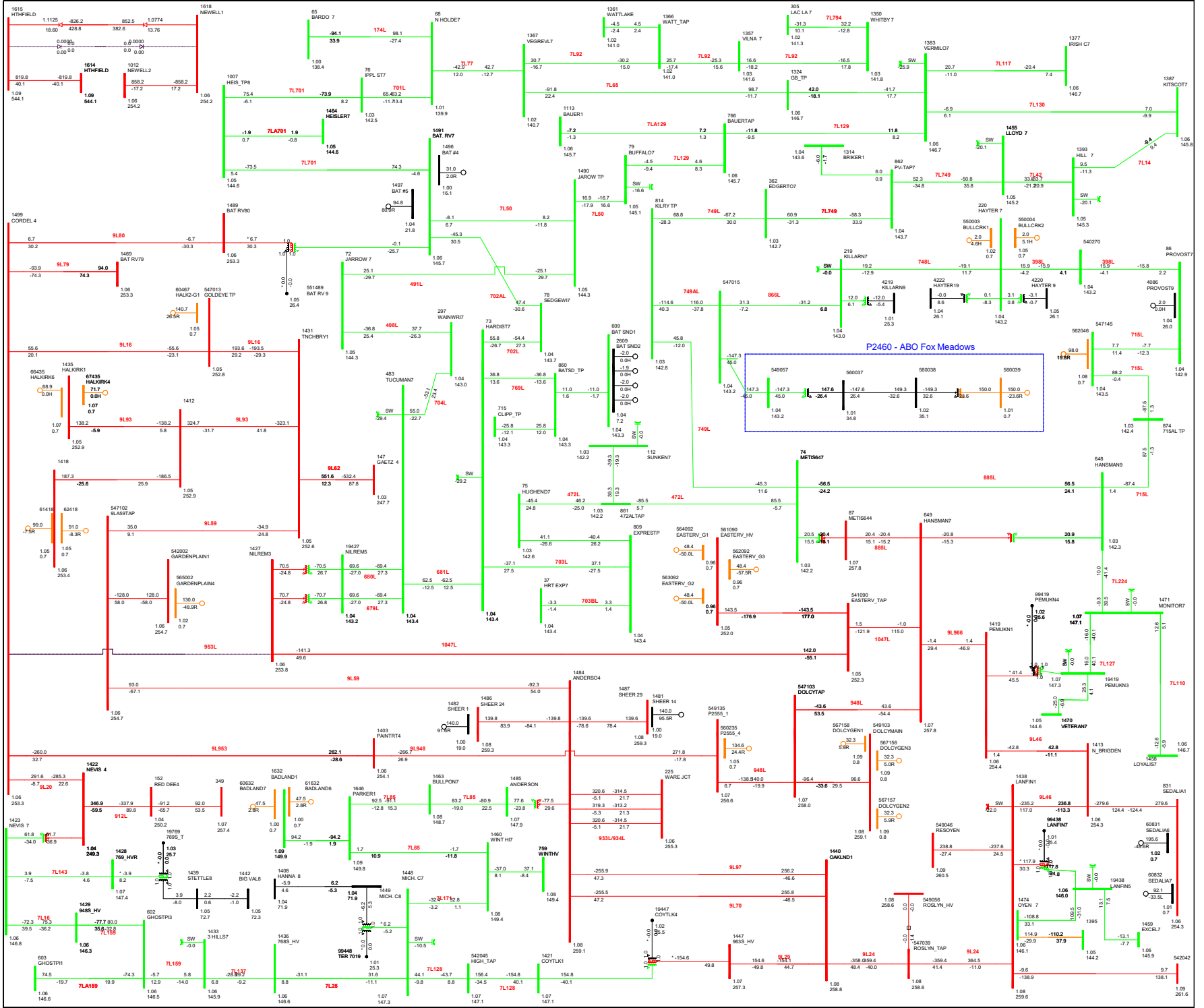
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-15-N-1: 912L-NEVIS 766S TO RED DEER 63S
2028 SUMMER PEAK - SCN 6 (POST PROJECT)
FRI, MAR 28 2025 17:38

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -844.6 MW

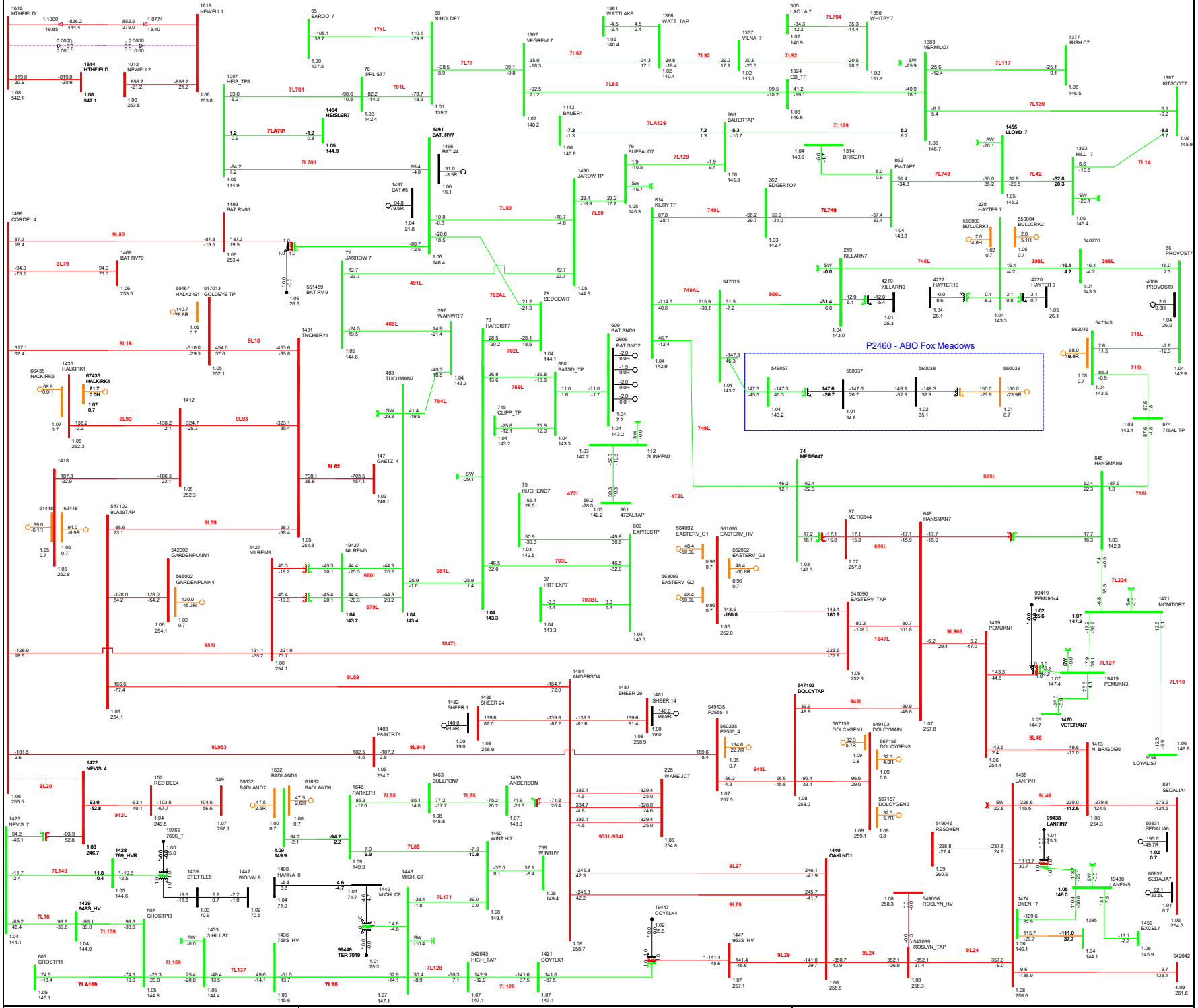
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-9-N-1: 953L-NILREM 574S TO CORDEL 755S
2028 SUMMER PEAK - SCN 6 (POST PROJECT)
FRI, MAR 28 2025 17:38

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -831.3 MW

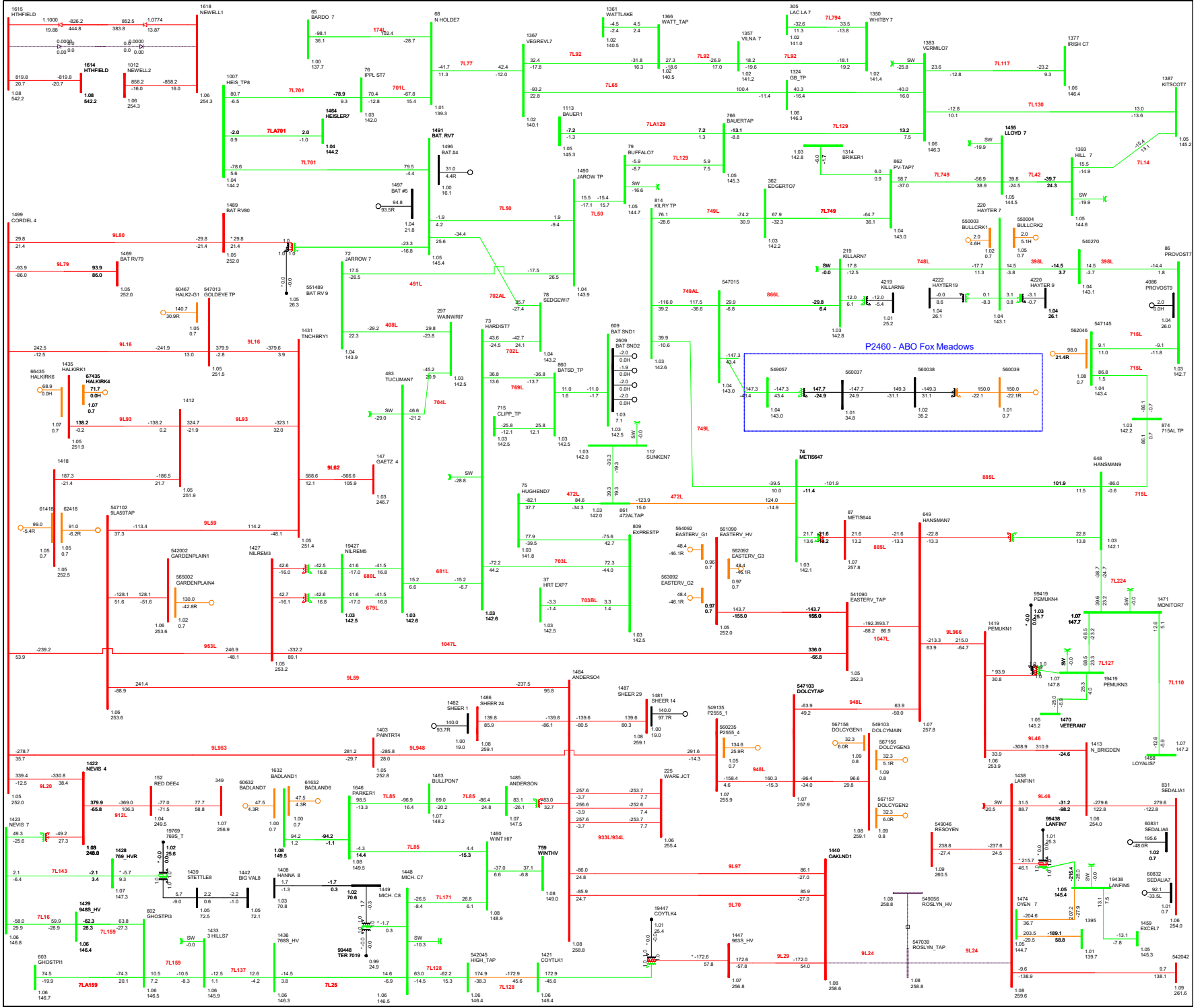
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-7-N-1: 9L20-NEVIS 766S TO CORDEL 755S
2028 SUMMER PEAK - SCN 6 (POST PROJECT)
SAT, AUG 09 2025 0:08

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -802.4 MW

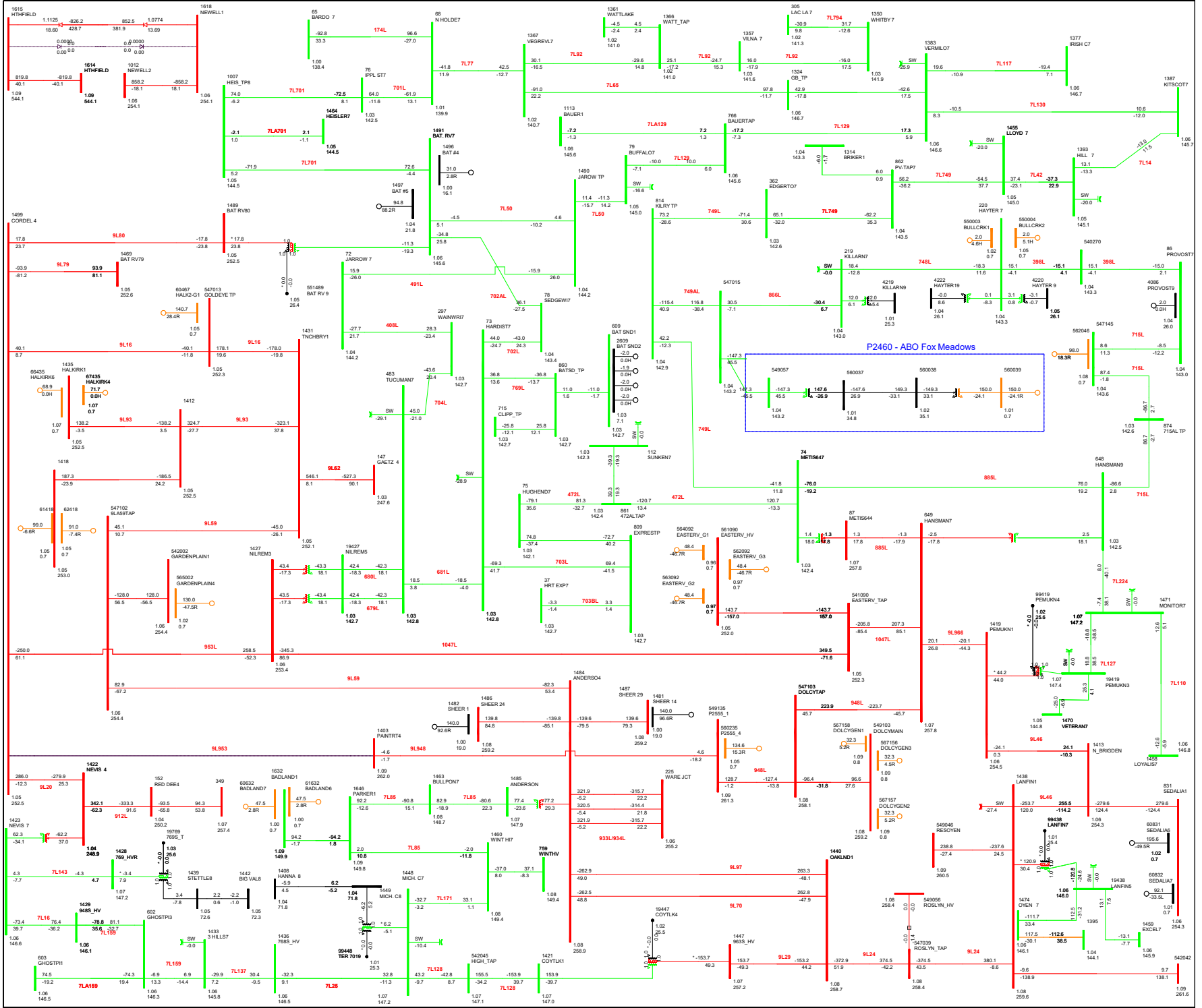
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-22-N-1: 9L24-LANFINE 959S TO OAKLAND 946S
2028 SUMMER PEAK - SCN 6 (POST PROJECT)
FRI, MAR 28 2025 17:39

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -838.1 MW

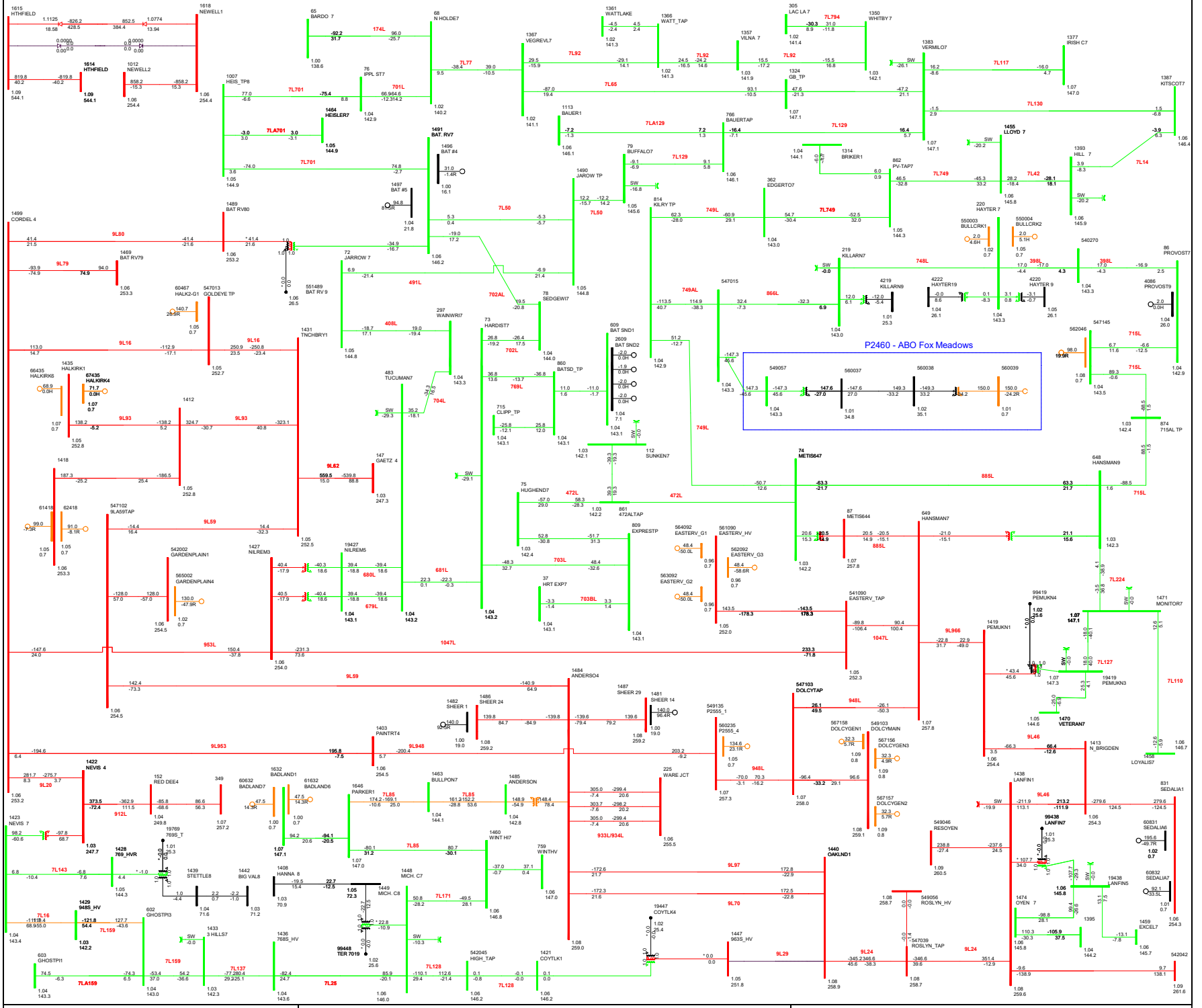
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-5-N-1: 9L27-CORDEL 755S TO PAINTEARTH 863S
2028 SUMMER PEAK - SCN 6 (POST PROJECT)
FRI, MAR 28 2025 17:38

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -824.3 MW

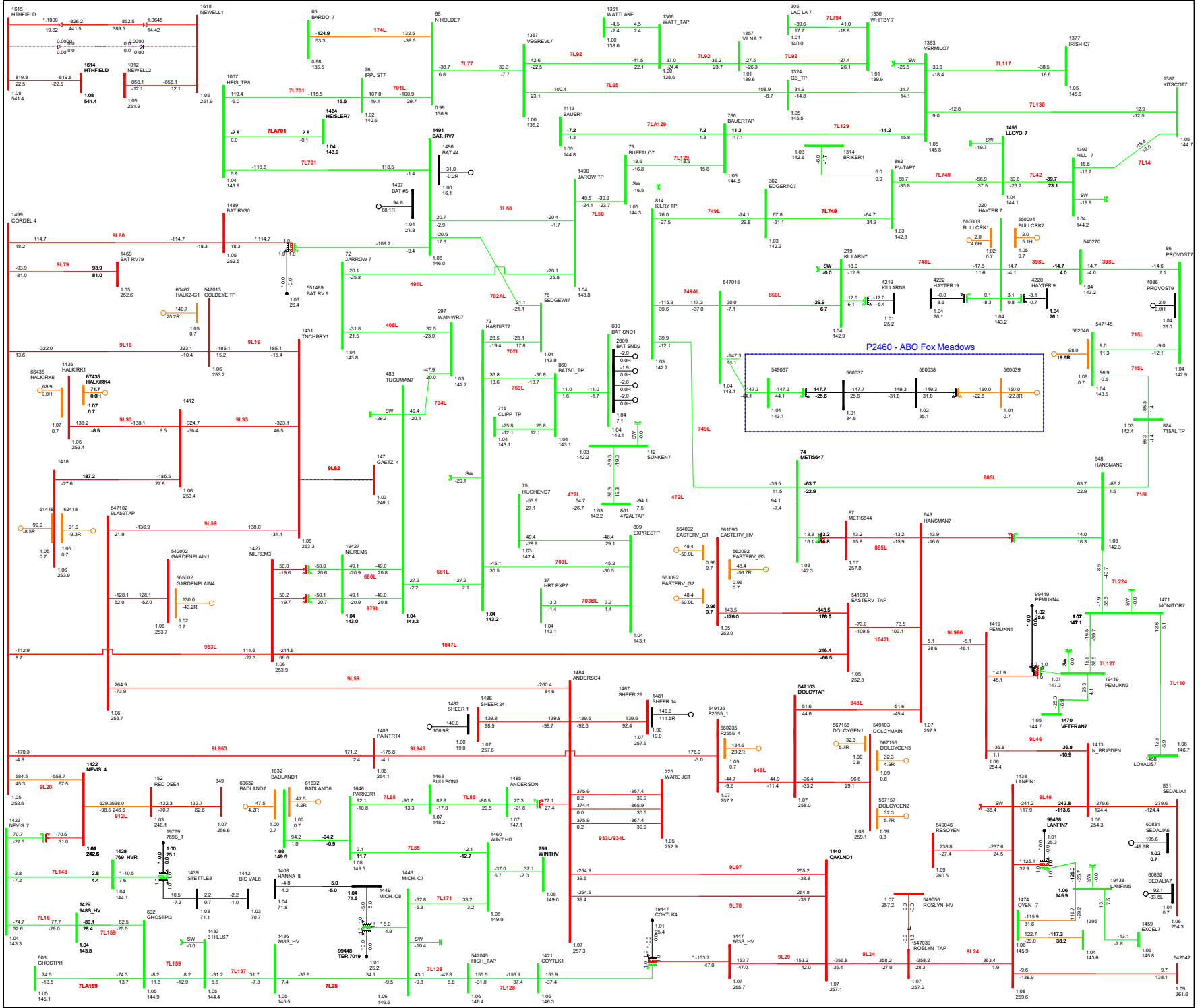
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-12-N-1: 9L29-OAKLAND 946S TO COYOTE LAKE 963S
2028 SUMMER PEAK - SCN 6 (POST PROJECT)
SAT, AUG 09 2025 0:09

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -786.8 MW

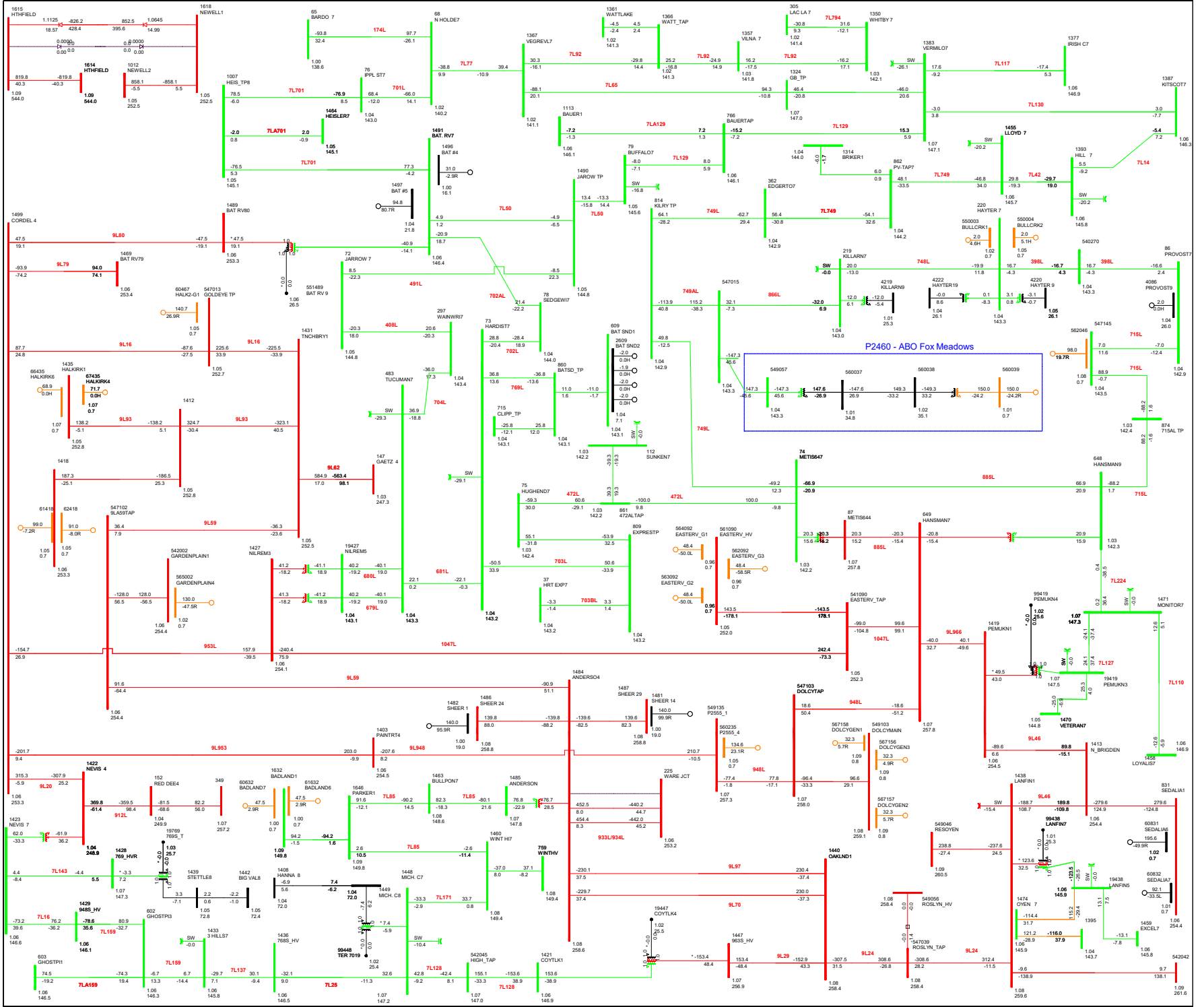
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-16-N-1: 9L62-GAETZ TO 972S TINCHEBRAY
2028 SUMMER PEAK - SCN 6 (POST PROJECT)
FRI, MAR 28 2025 17:38

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -840.3 MW

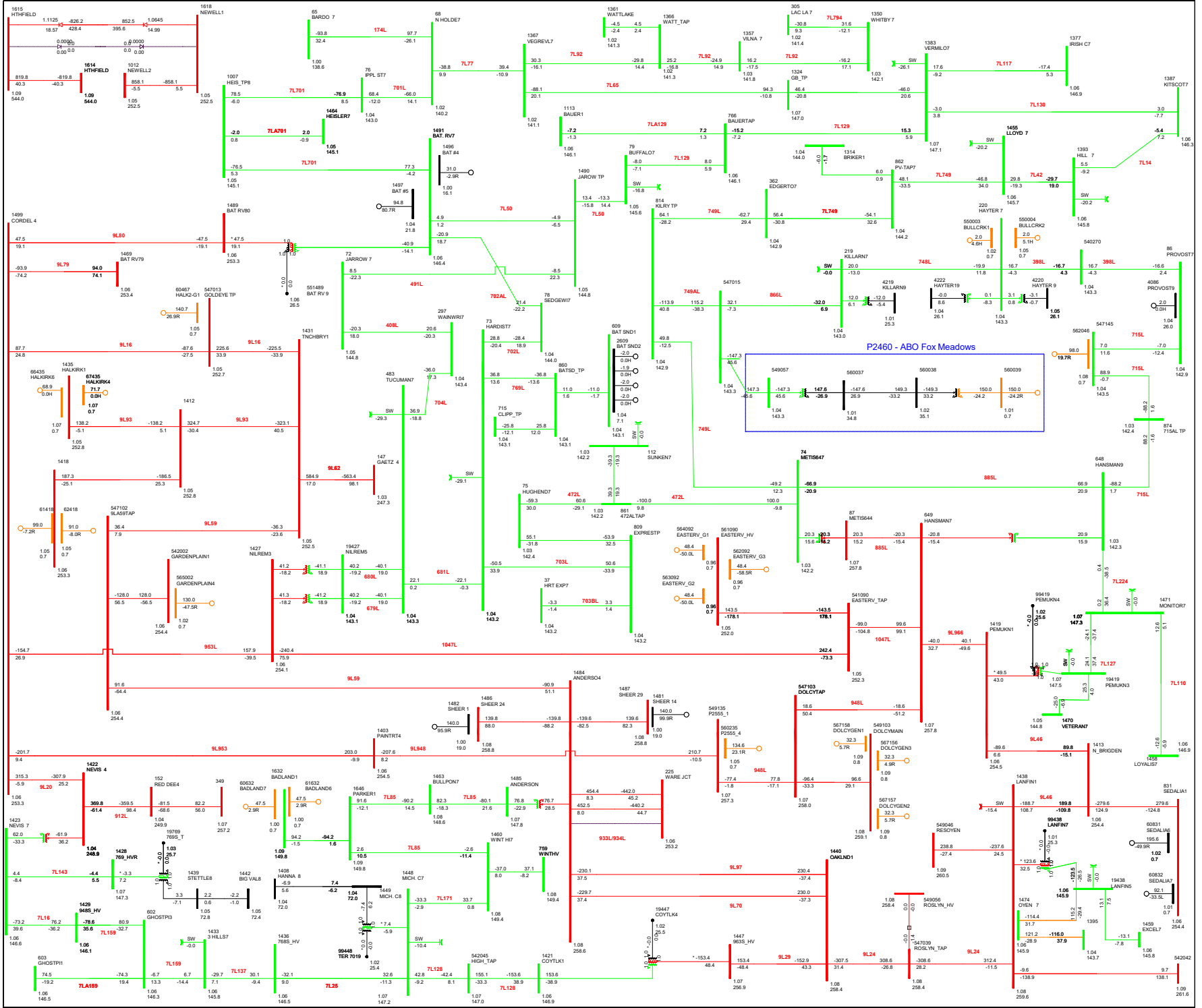
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-17-N-1: 9L933-ANDERSON 801S TO WARE JUNCITON 132S
2028 SUMMER PEAK - SCN 6 (POST PROJECT)
FRI, MAR 28 2025 17:38

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -840.3 MW

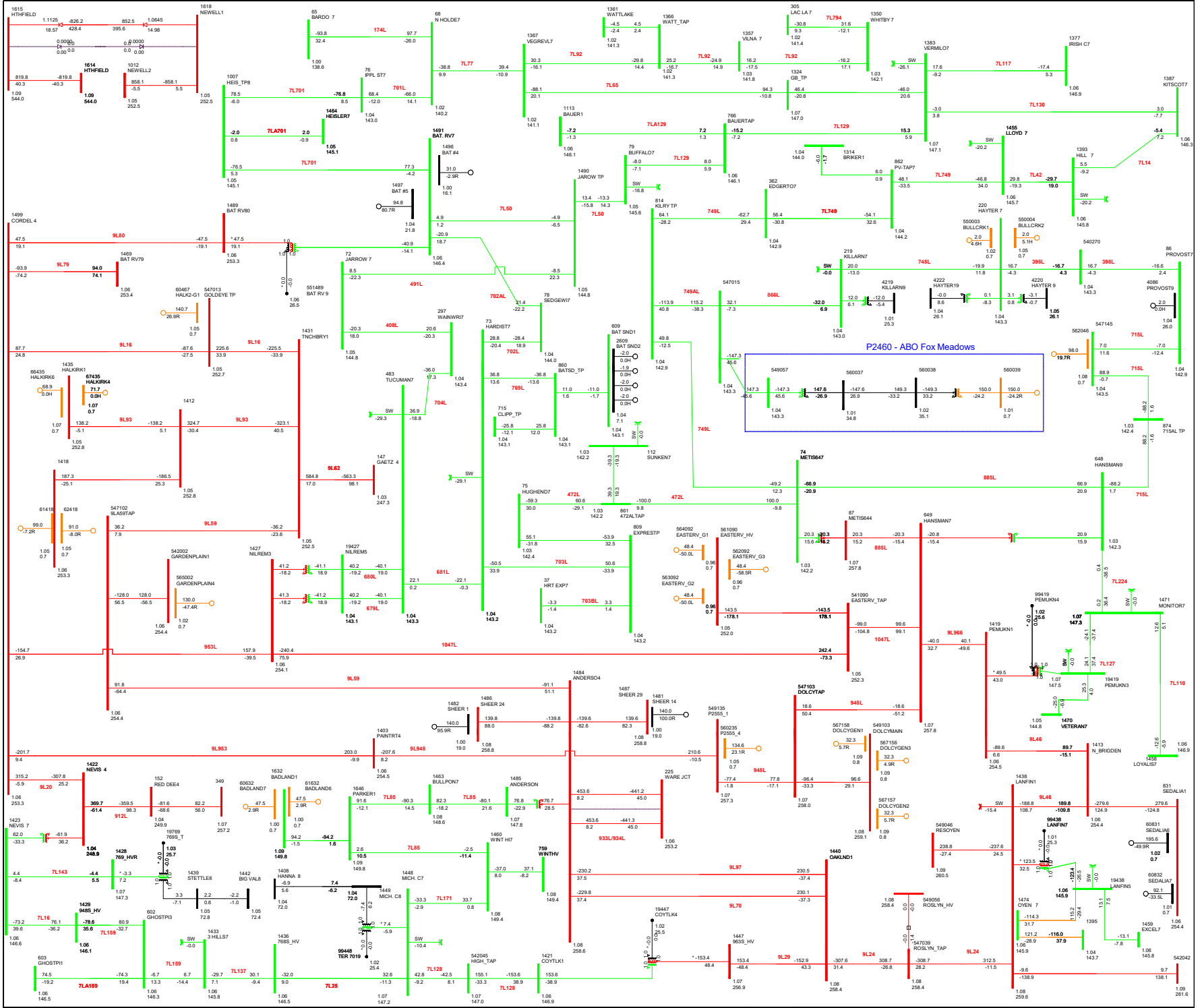
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-18-N-1: 9L934-ANDERSON 801S TO WARE JUNCITON 132S
2028 SUMMER PEAK - SCN 6 (POST PROJECT)
FRI, MAR 28 2025 17:39

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -840.3 MW

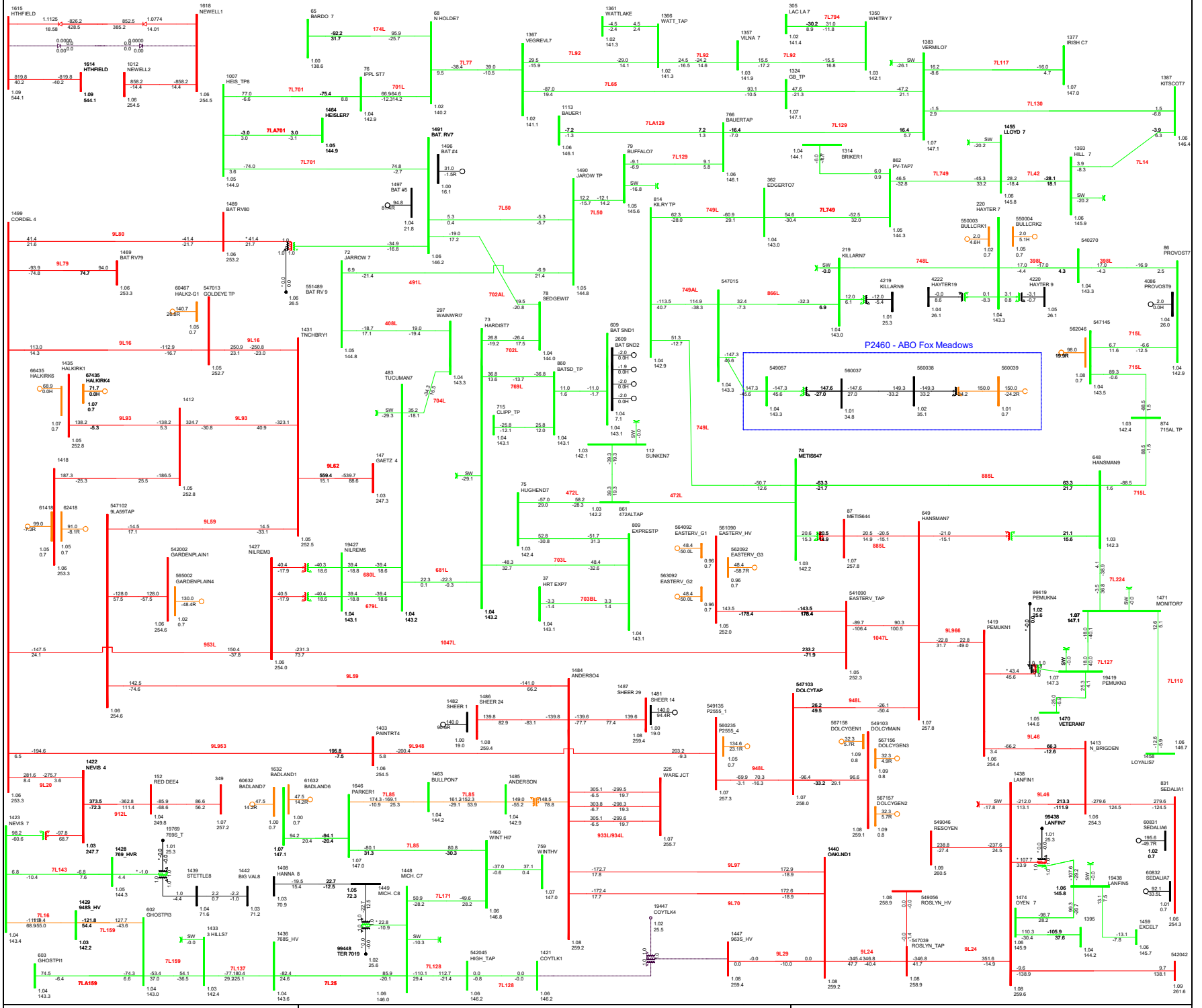
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-19-N-1: 9L950-ANDERSON 801S TO WARE JUNCITON 132S
2028 SUMMER PEAK - SCN 6 (POST PROJECT)
FRI, MAR 28 2025 17:39

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -824.4 MW

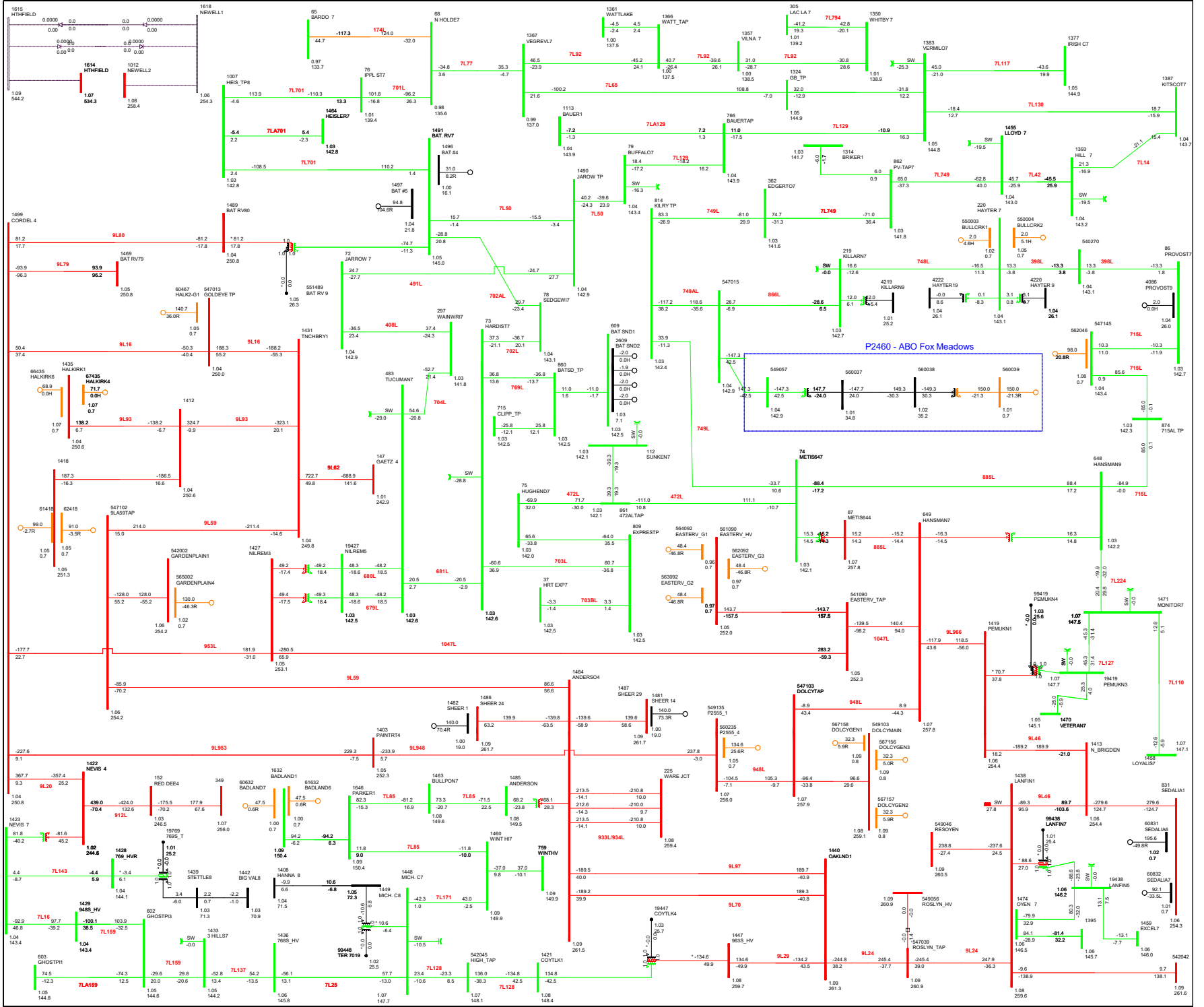
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-14-N-1: COYOTE LAKE 963S - 901 TRANSFORMER
2028 SUMMER PEAK - SCN 6 (POST PROJECT)
SAT, AUG 09 2025 0:09

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -776.9 MW

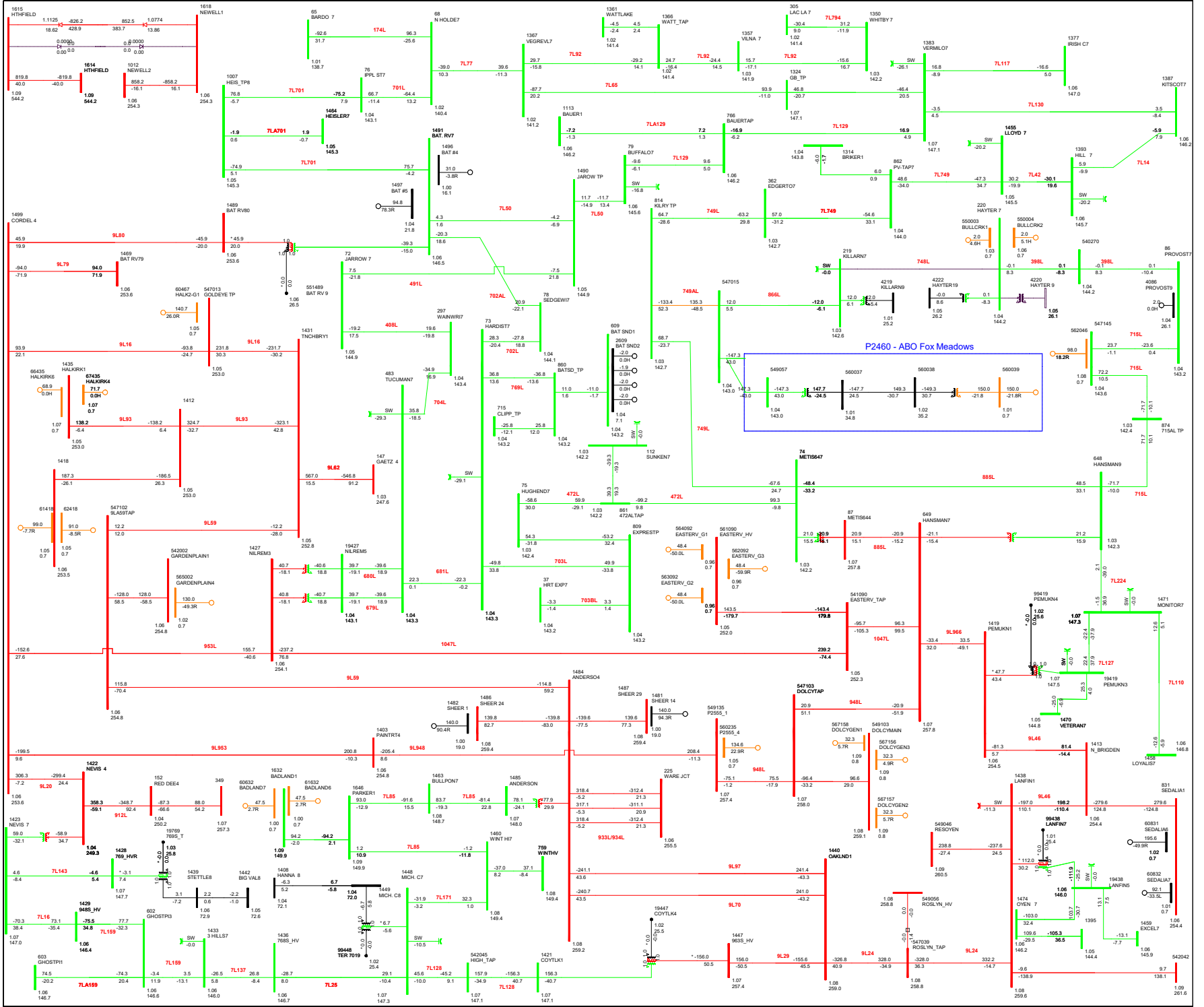
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-31-N-1: EATL
2028 SUMMER PEAK - SCN 6 (POST PROJECT)
FRI, MAR 28 2025 17:39

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -852.8 MW

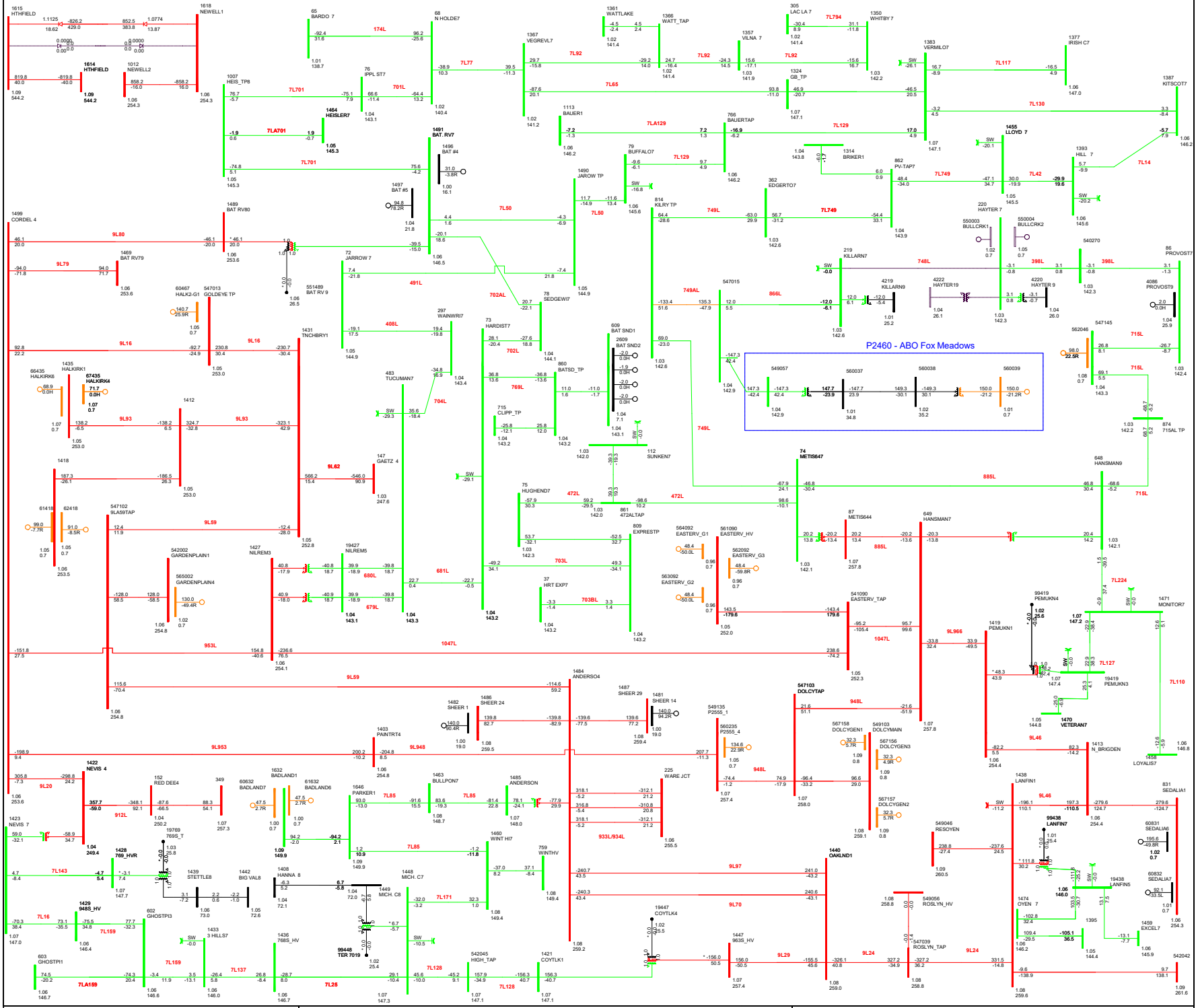
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-26-N-1: HAYTER 277S TRANSFORMER1
2028 SUMMER PEAK - SCN 6 (POST PROJECT)
FRI, MAR 28 2025 17:39

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -850.4 MW

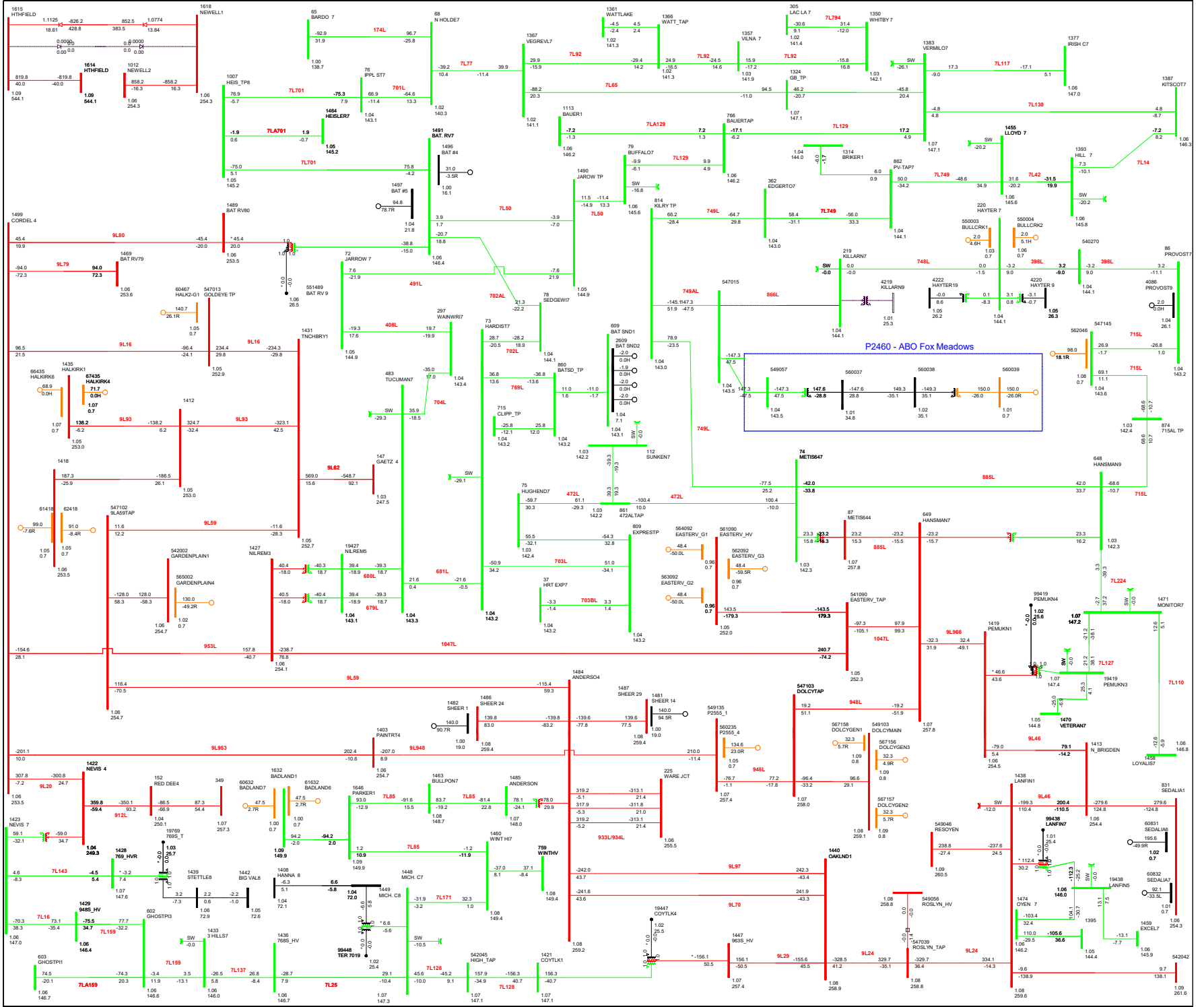
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-27-N-1: HAYTER 277S TRANSFORMER2
2028 SUMMER PEAK - SCN 6 (POST PROJECT)
FRI, MAR 28 2025 20:32

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -859.0 MW

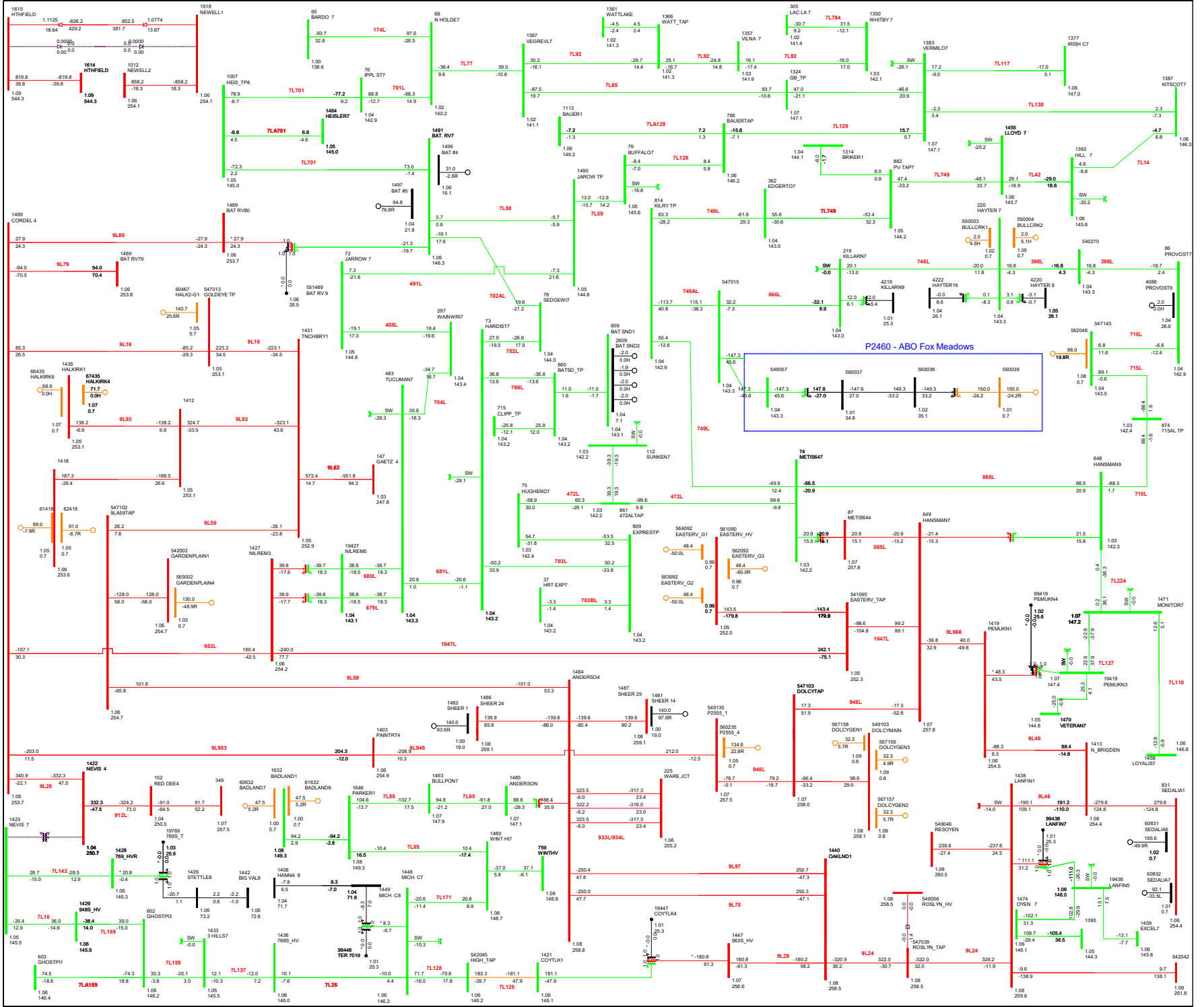
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-24-N-1: KILLARNEY 138/25 KV 267ST1 TRANSFORMER
2028 SUMMER PEAK - SCN 6 (POST PROJECT)
FRI, MAR 28 2025 17:39

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -849.9 MW

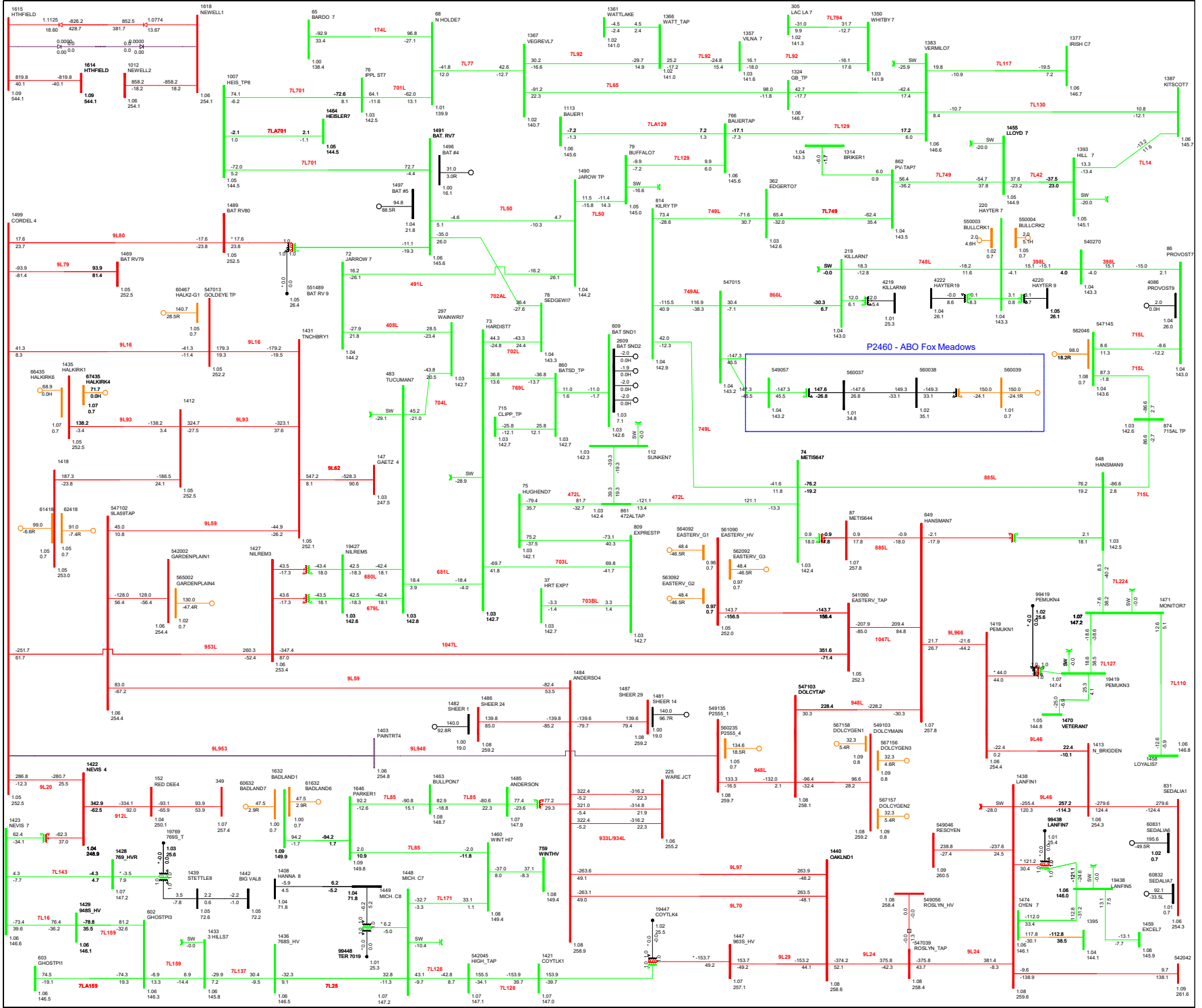
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-6-N-1: NEVIS 240/138 KV TRANSFORMER
2028 SUMMER PEAK - SCN 6 (POST PROJECT)
FRI, MAR 28 2025 17:38

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -841.5 MW

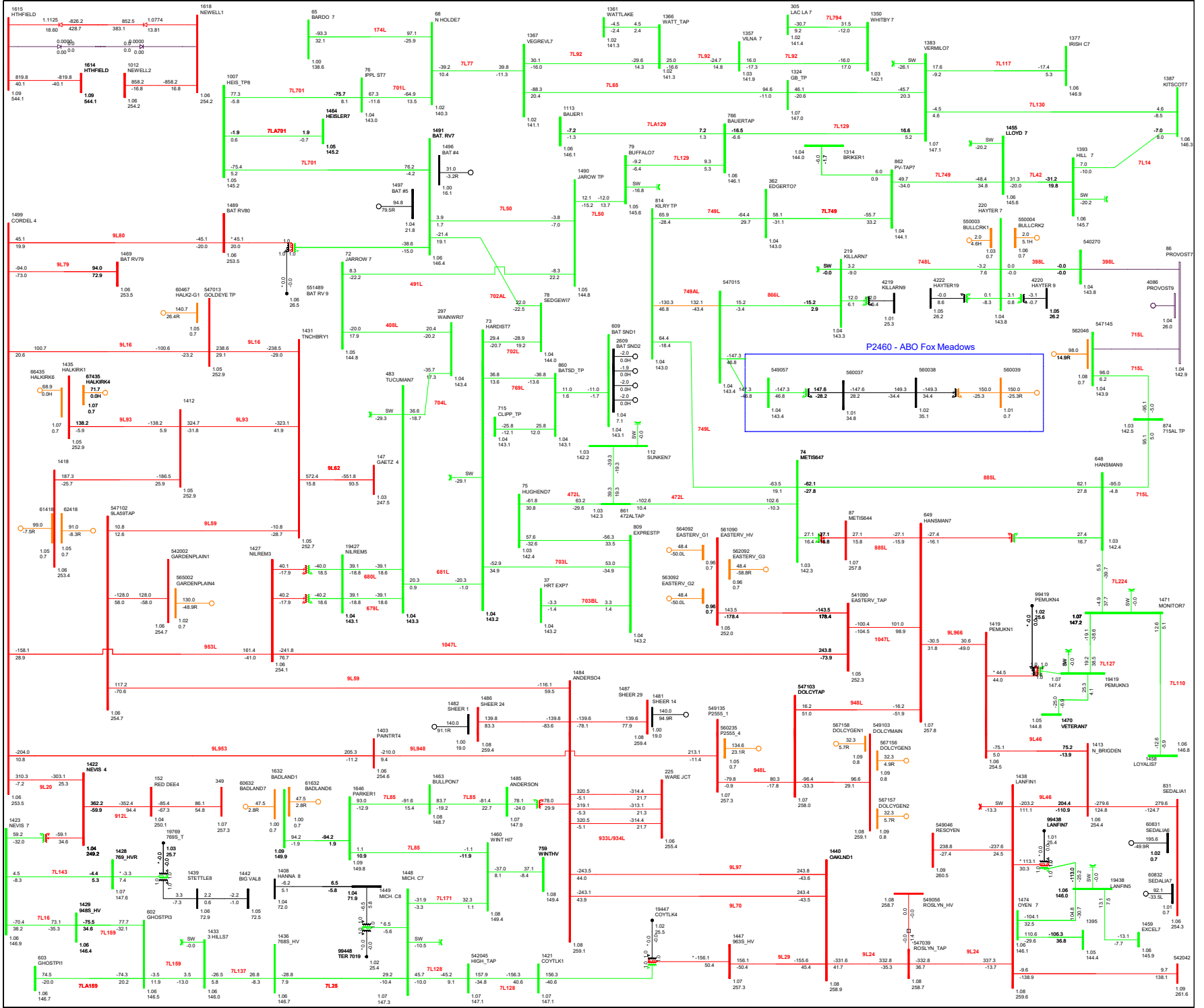
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-29-N-1: PAINTEARTH 863S-901T-902T
2028 SUMMER PEAK - SCN 6 (POST PROJECT)
FRI, MAR 28 2025 17:39

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -868.2 MW

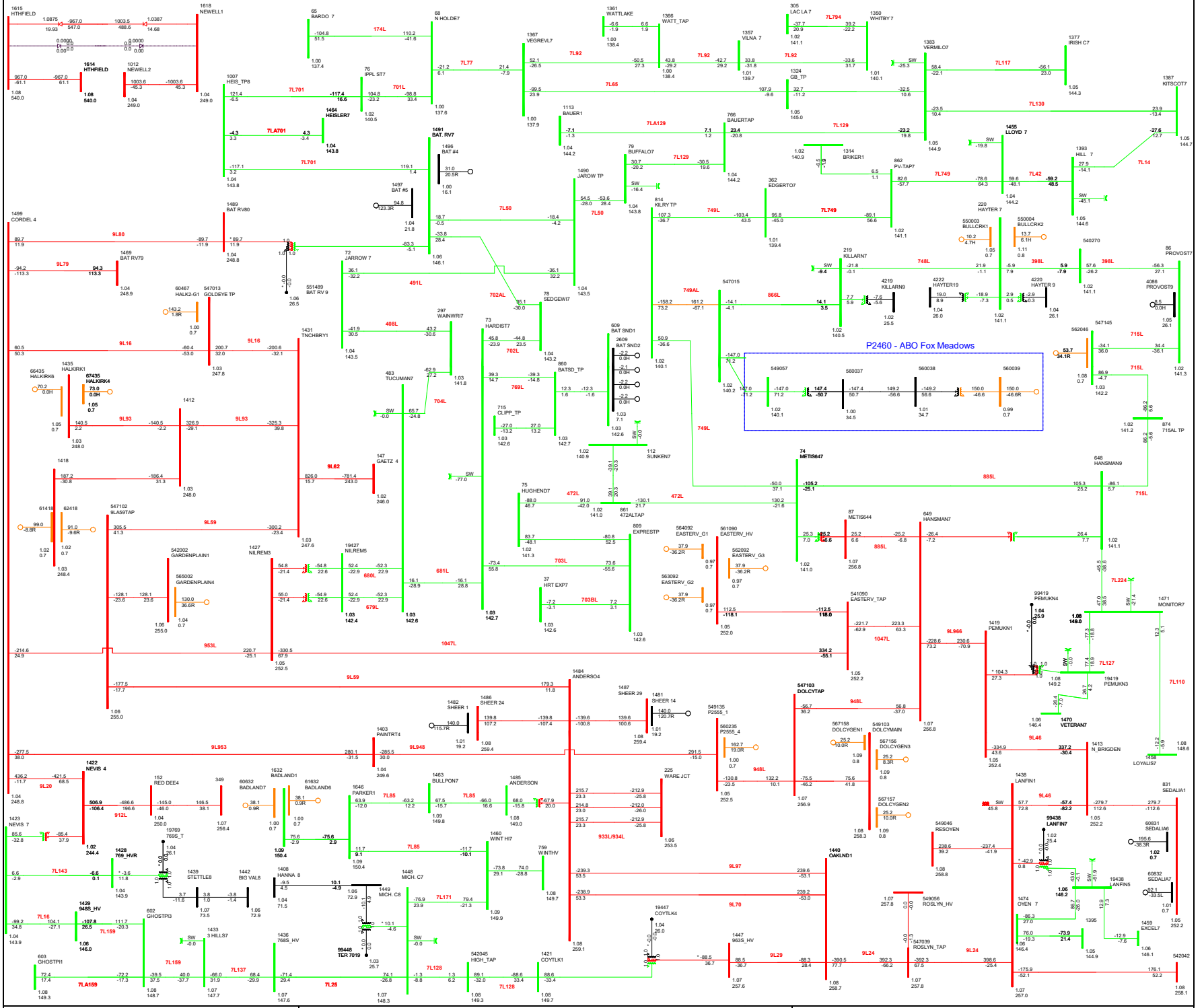
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-25-N-1: PROVOST TRANSFORMER 545ST1
2028 SUMMER PEAK - SCN 6 (POST PROJECT)
FRI, MAR 28 2025 17:39

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -1078.5 MW

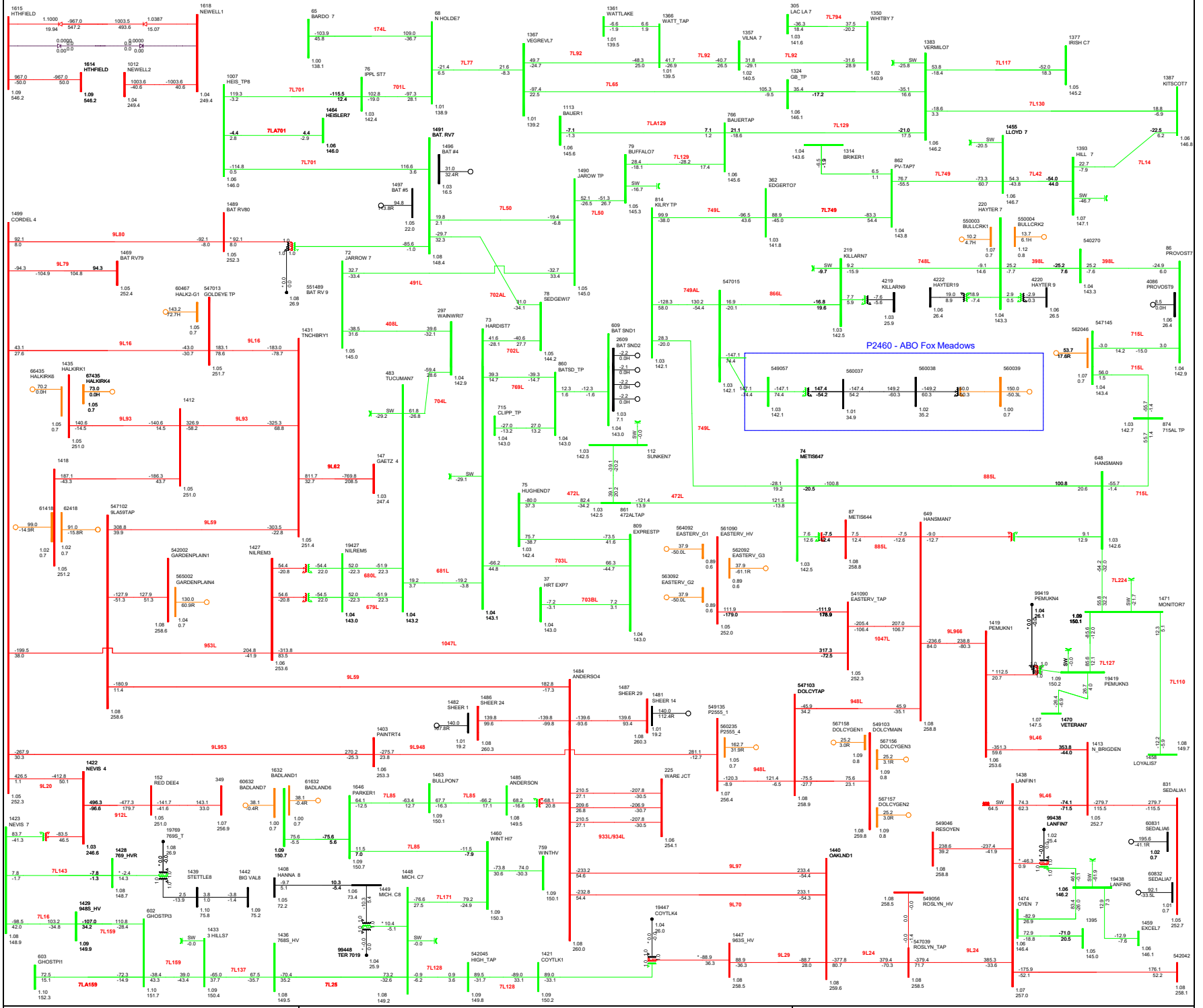
Sask Import: 152.3 MW

MATL: 186.1 MW

FIGURE B0-7-N-0
2028 WINTER PEAK - SCN 7 (POST PROJECT - PRE CURTAILMENT)
THU, AUG 14 2025 21:09

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -1091.3 MW

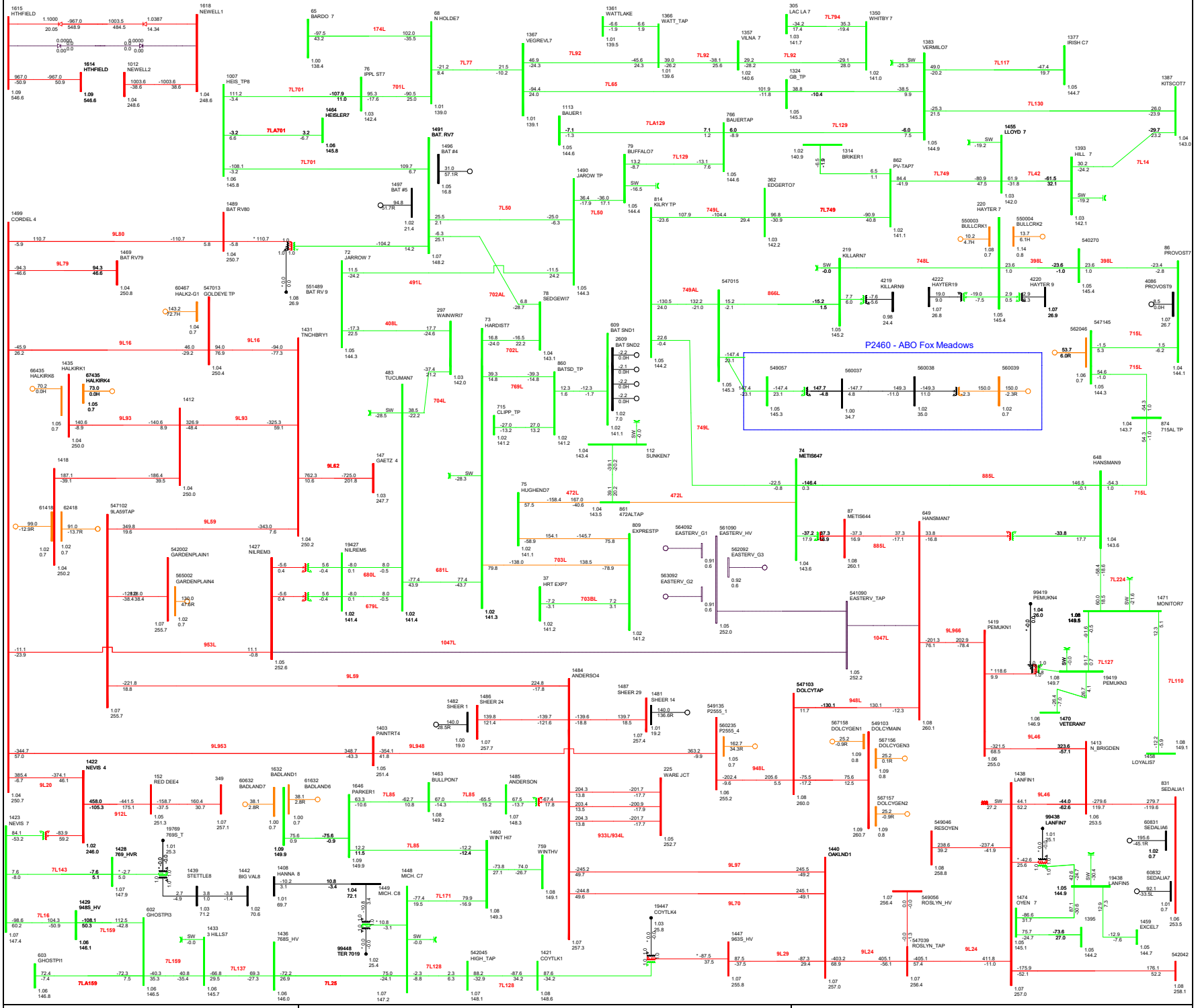
Sask Import: 152.2 MW

MATL: 186.1 MW

FIGURE A0-7-N-0: NORMAL OPERATION
2028 WINTER PEAK - SCN 7 (POST PROJECT)
SAT, AUG 09 2025 1:04

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -995.0 MW

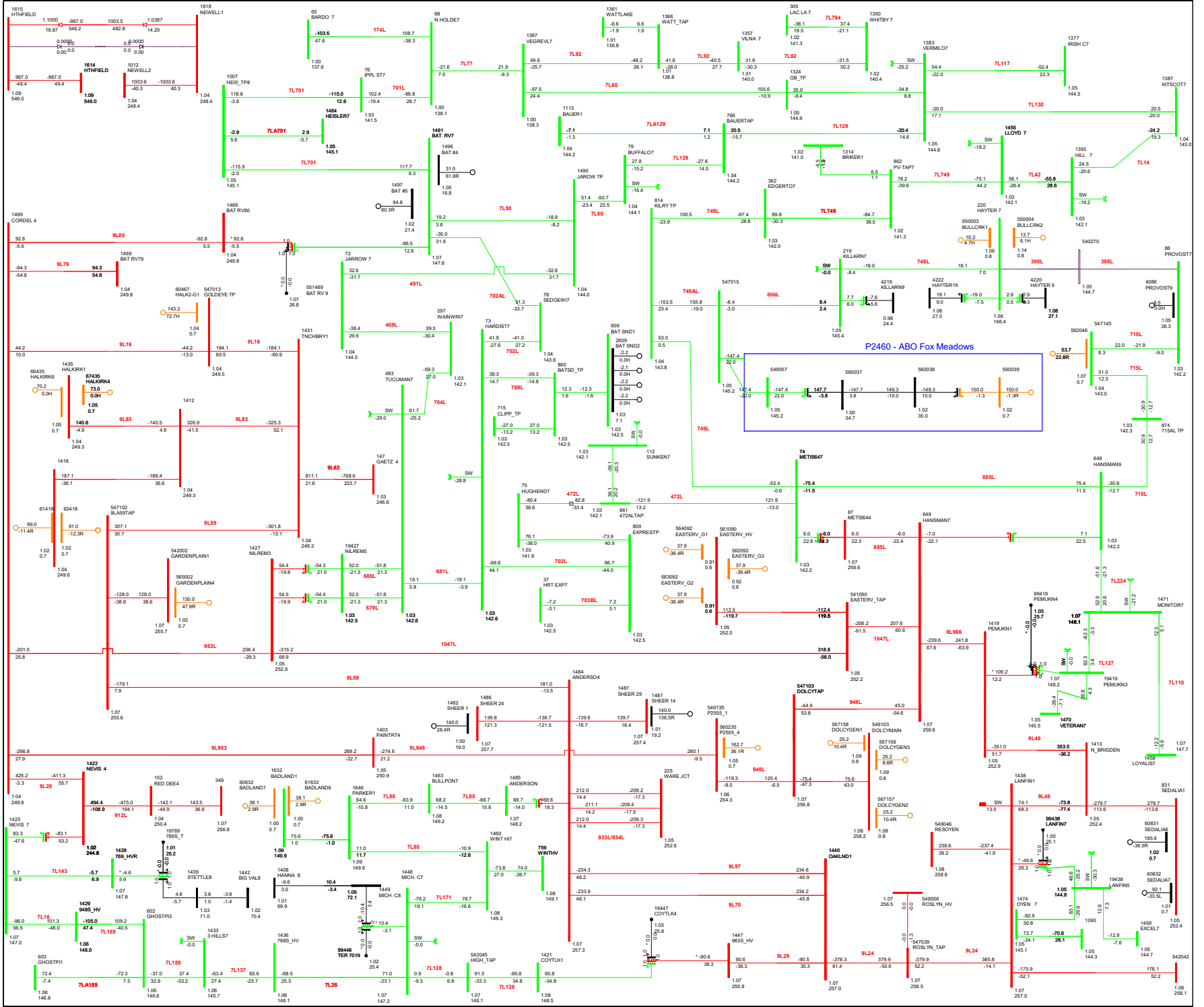
Sask Import: 152.3 MW

MATL: 186.1 MW

FIGURE A7-29-N-1: 1047L-HANSMAN LAKE 650S TO NILREM 574S
2028 WINTER PEAK - SCN 7 (POST PROJECT)
SAT, AUG 09 2025 0:21

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -1090.0 MW

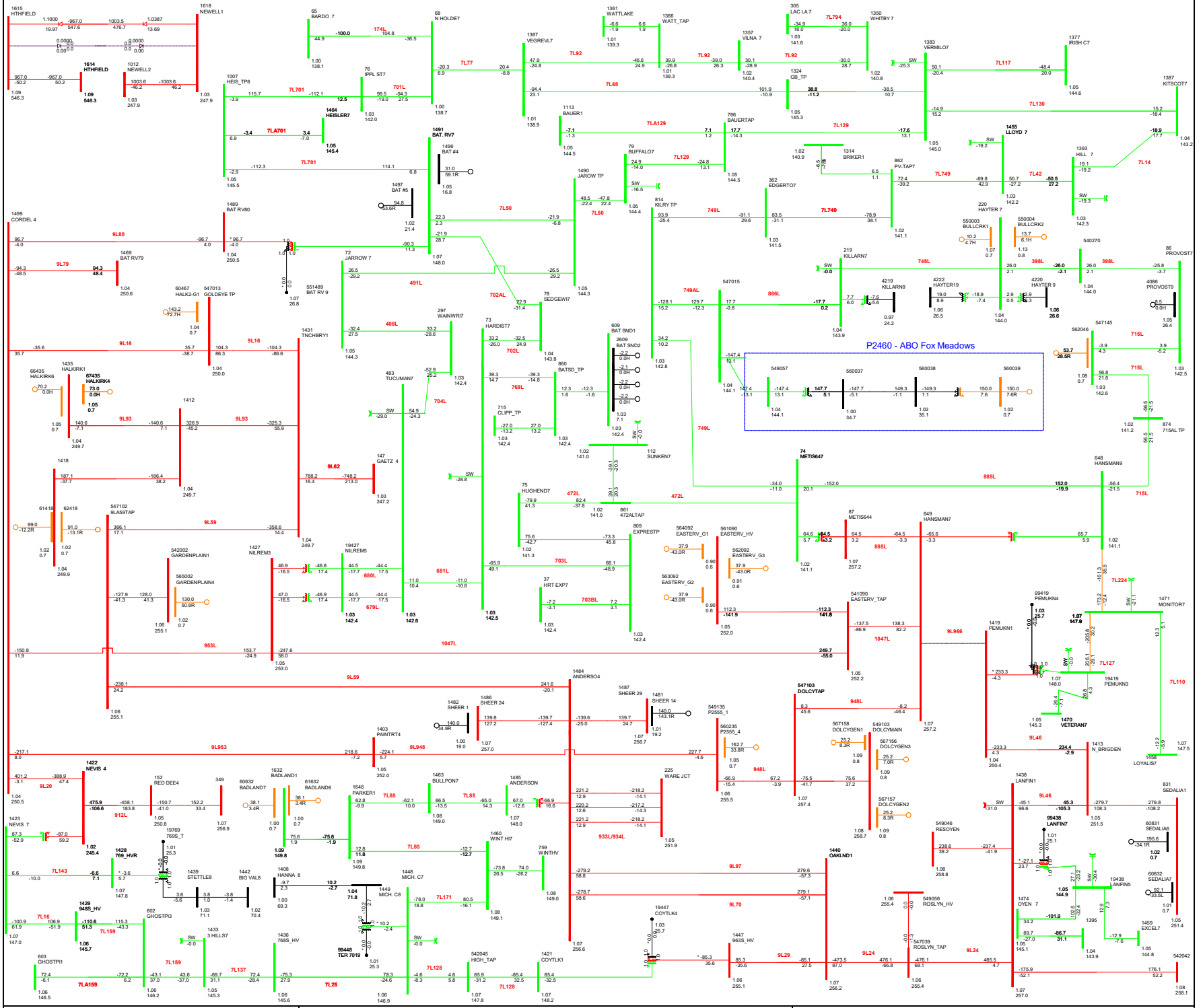
Sask Import: 152.3 MW

MATL: 186.1 MW

FIGURE A7-22-N-1: 398L-PROVOST 544S TO HAYTER 277S
2028 WINTER PEAK - SCN 7 (POST PROJECT)
FRI, MAR 28 2025 18:11

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -1078.9 MW

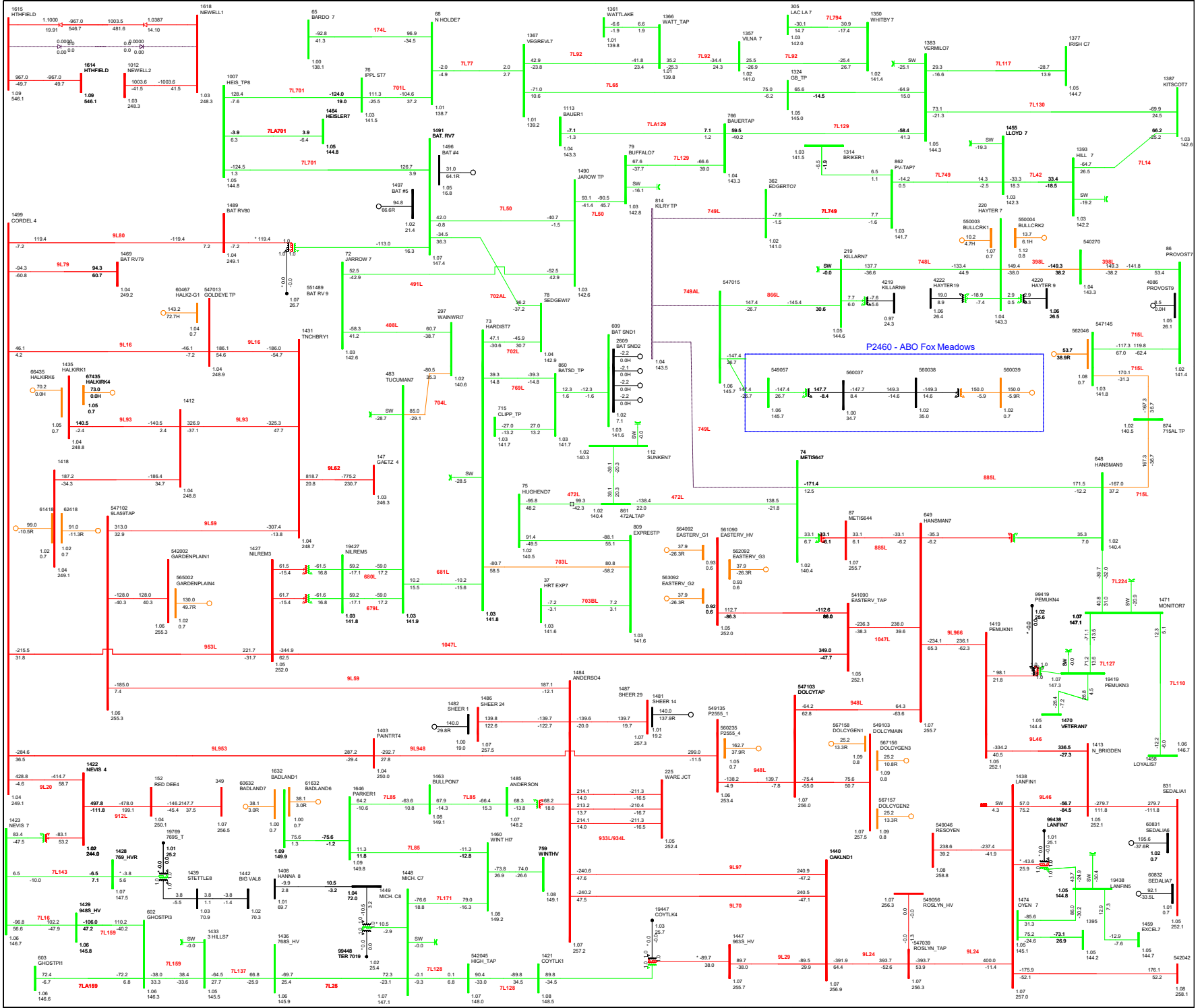
Sask Import: 152.3 MW

MATL: 186.1 MW

FIGURE A7-3-N-1: 966L-HANSMAN LAKE 650S TO PEMUKAN 932S
2028 WINTER PEAK - SCN 7 (POST PROJECT)
SAT, AUG 09 2025 0:16

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -1071.0 MW

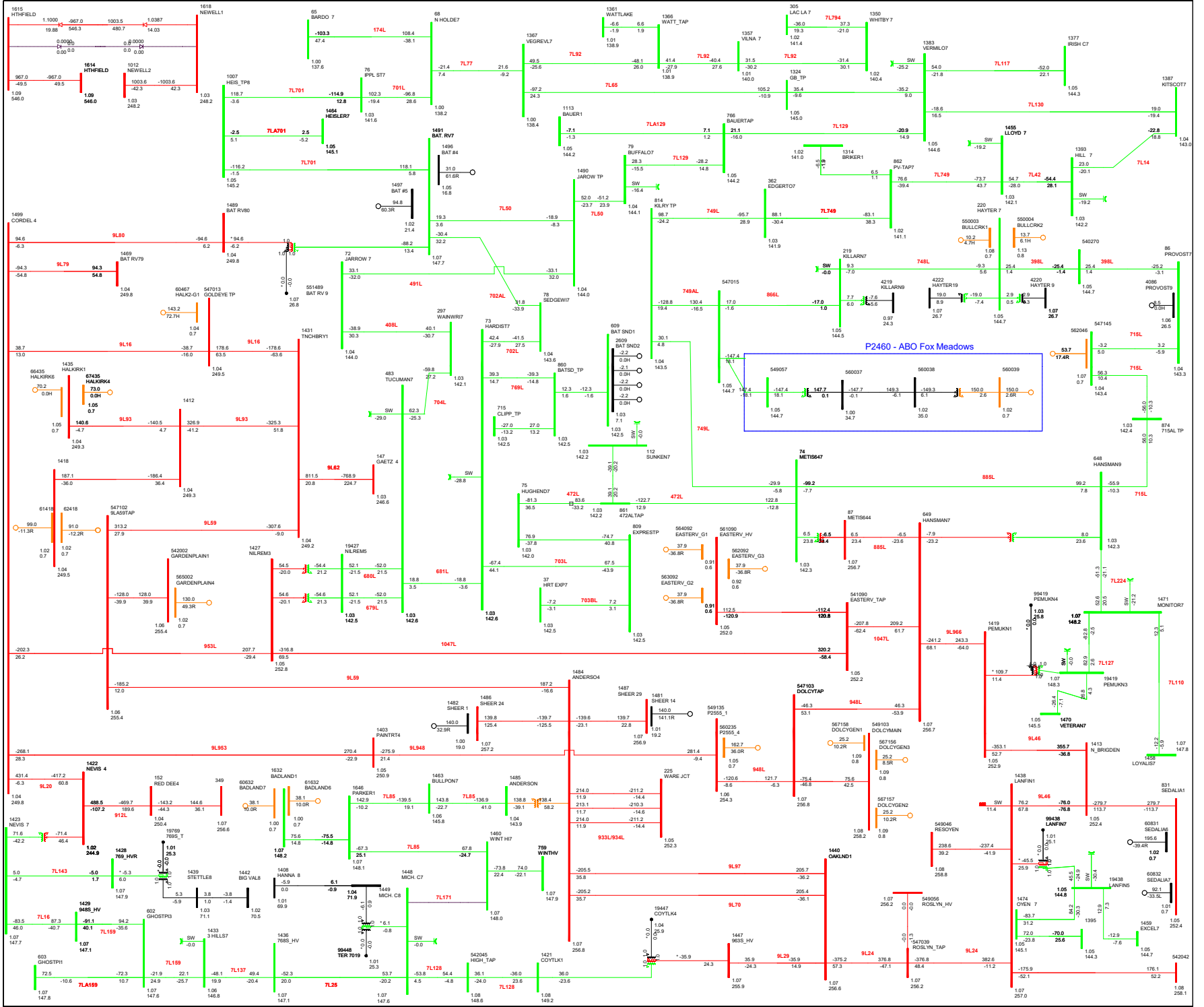
Sask Import: 152.3 MW

MATL: 186.1 MW

FIGURE A7-33-N-1: 749AL-TAP-METISKOW 648S TO EDGERTON 899S
2028 WINTER PEAK - SCN 7 (POST PROJECT)
FRI, MAR 28 2025 18:11

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -1088.8 MW

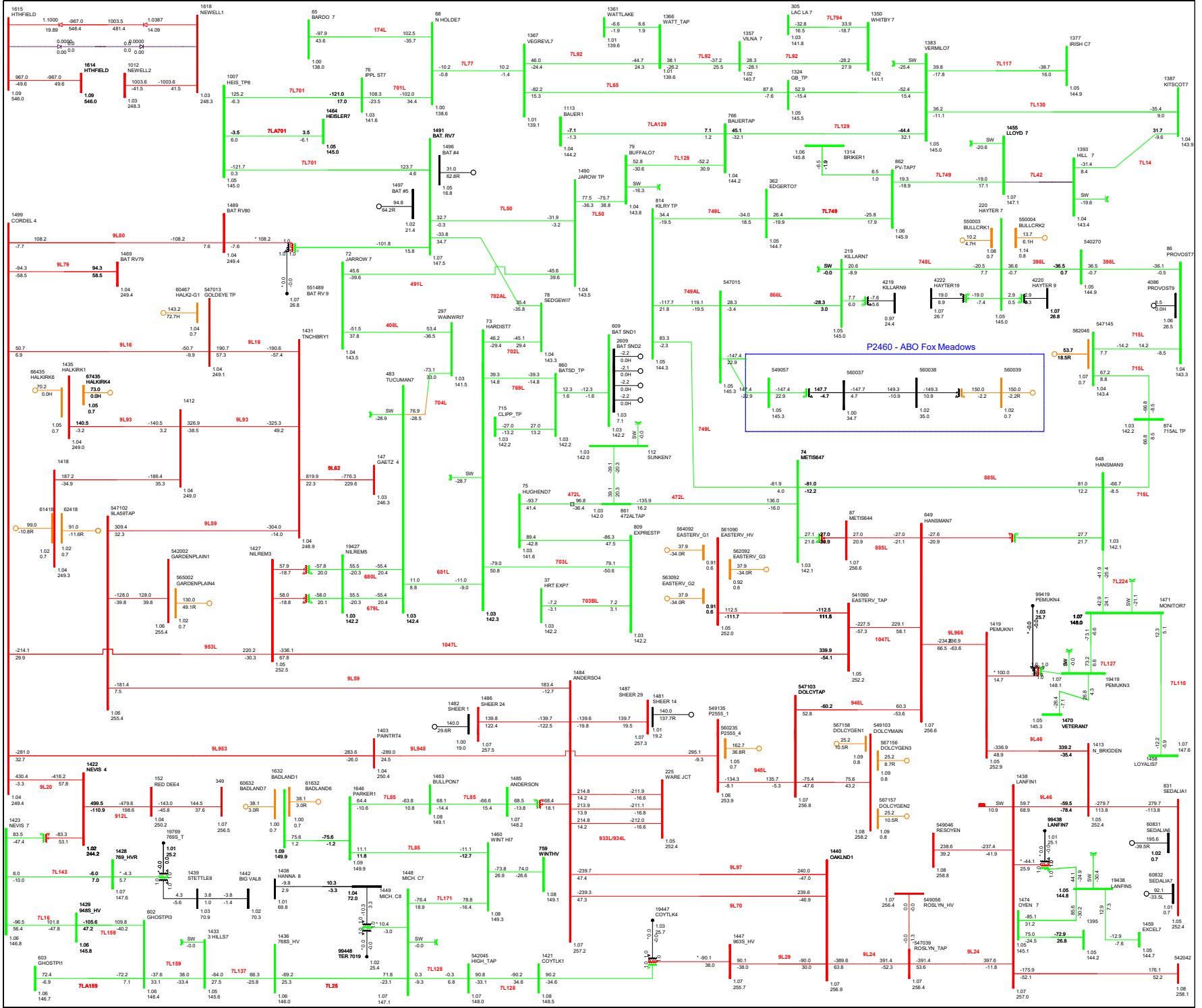
Sask Import: 152.3 MW

MATL: 186.1 MW

FIGURE A7-12-N-1: 7L171-MICHICHI CREEK 802S TO WINTERING HIL
2028 WINTER PEAK - SCN 7 (POST PROJECT)
FRI, MAR 28 2025 18:10

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -1089.8 MW

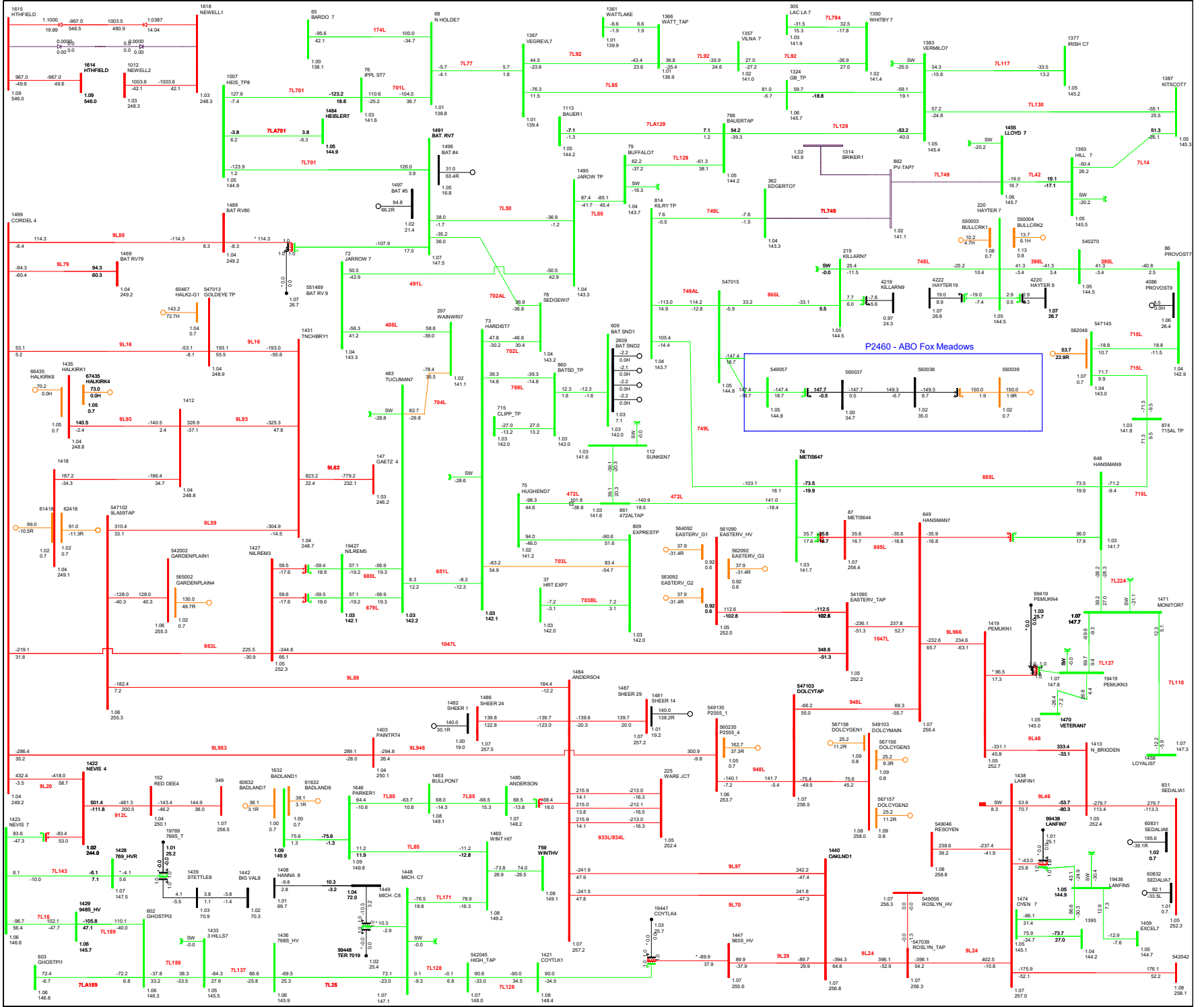
Sask Import: 152.3 MW

MATL: 186.1 MW

FIGURE A7-4-N-1: 7L42-LLOYDMINSTER 7126S TO HILL 751S
2028 WINTER PEAK - SCN 7 (POST PROJECT)
FRI, MAR 28 2025 18:09

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -1089.6 MW

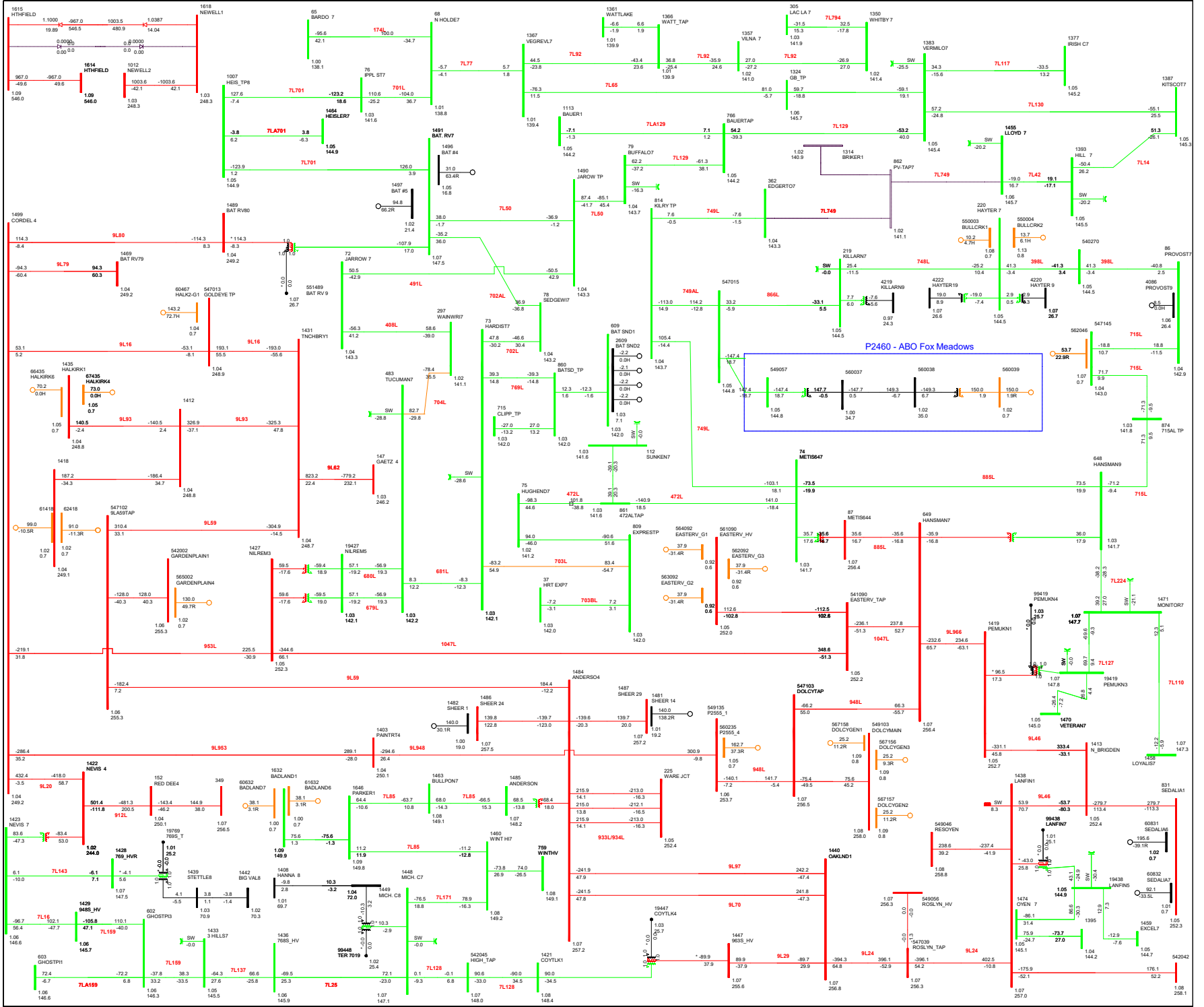
Sask Import: 152.3 MW

MATL: 186.1 MW

FIGURE A7-23-N-1: 7L749-EDGERTON 899S TO LLOYDMINSTER 716S
2028 WINTER PEAK - SCN 7 (POST PROJECT)
FRI, MAR 28 2025 18:11

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -1089.6 MW

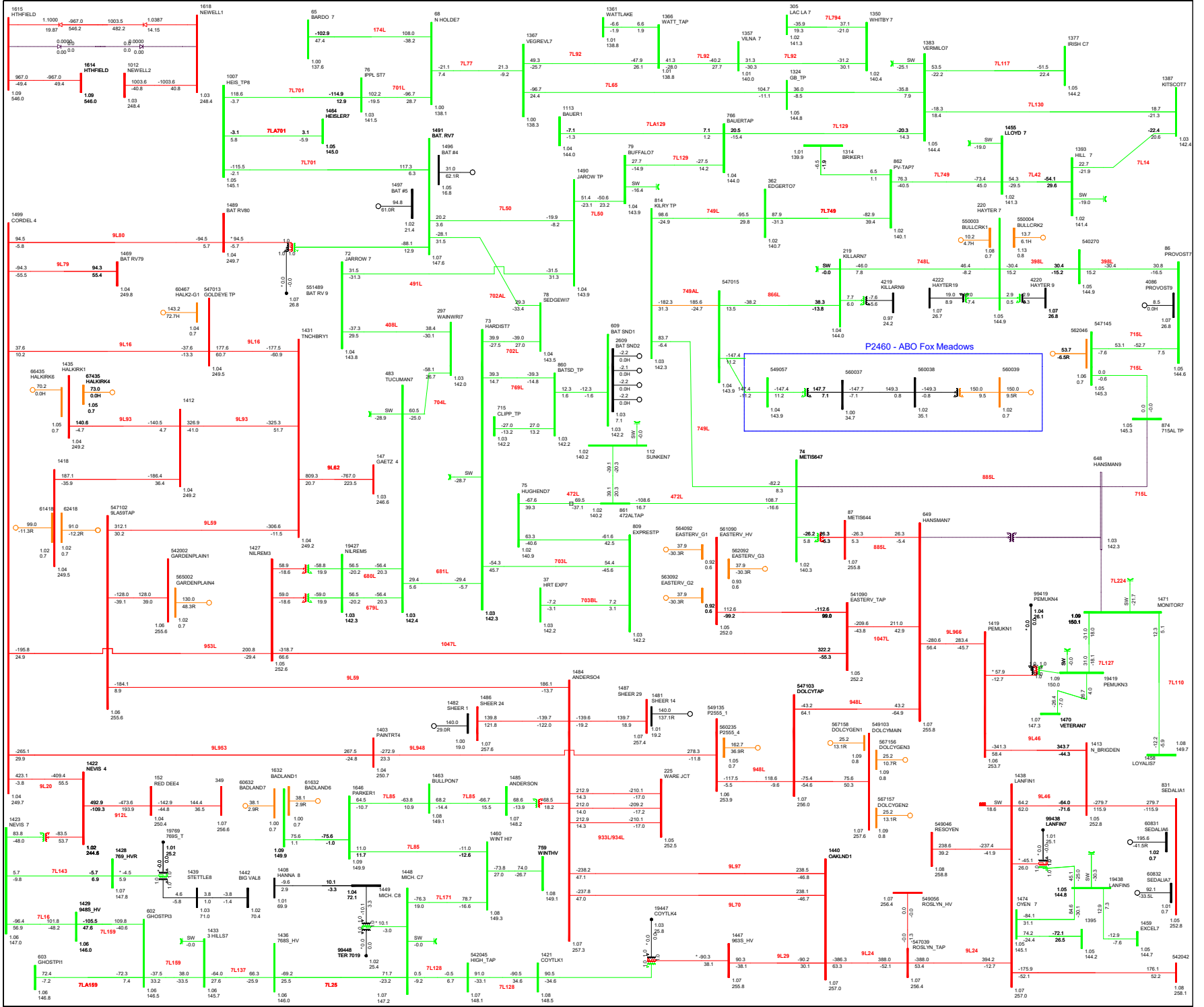
Sask Import: 152.3 MW

MATL: 186.1 MW

FIGURE A7-35-N-1: 7LB749/880S_TAP-EDGERTON 899S TO LLOYDMINSTER
2028 WINTER PEAK - SCN 7 (POST PROJECT)
FRI, MAR 28 2025 18:11

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -1088.6 MW

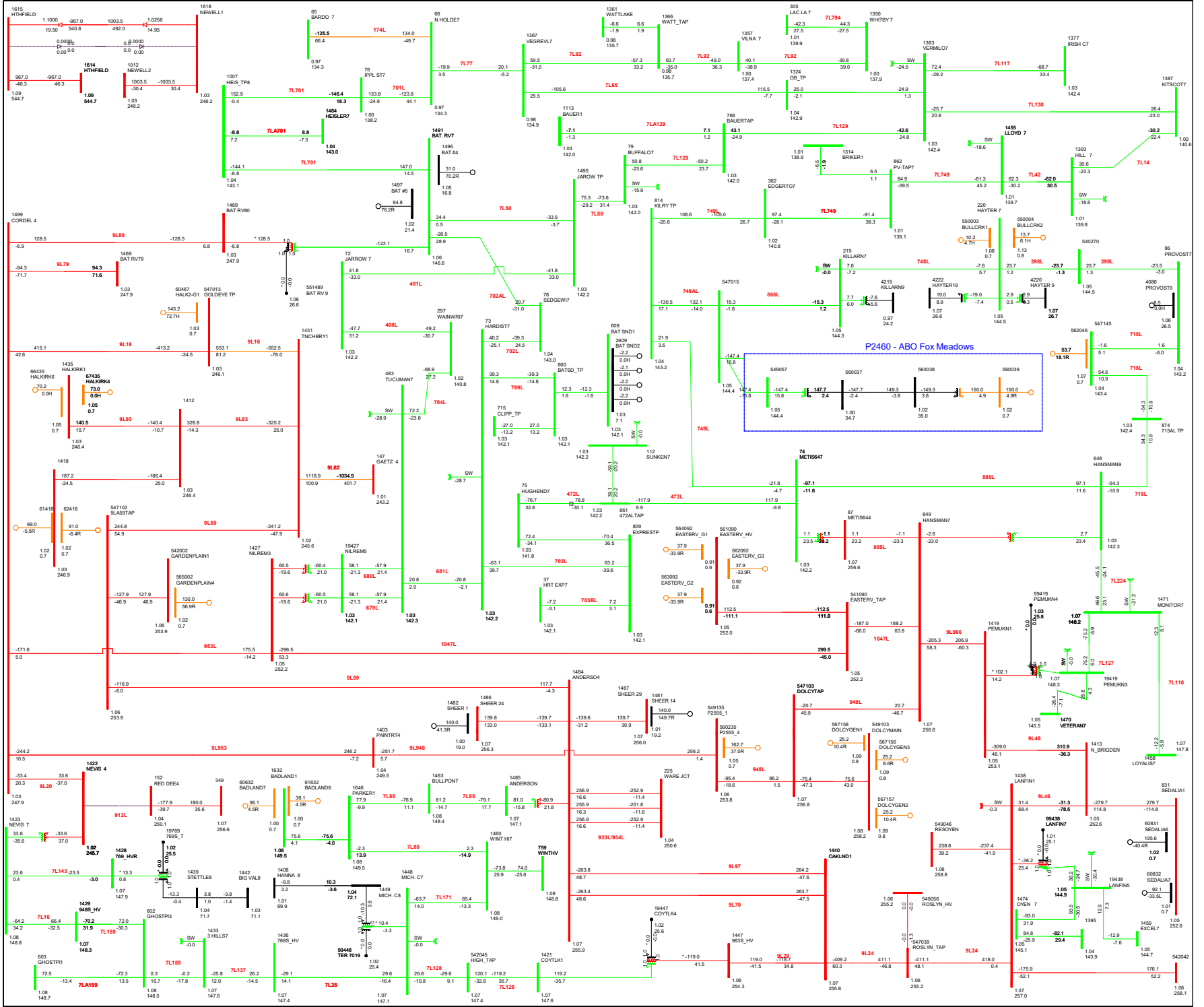
Sask Import: 152.3 MW

MATL: 186.1 MW

FIGURE A7-39-N-1: 885L-METISKOW 648S TO HANSMAN 650T1
2028 WINTER PEAK - SCN 7 (POST PROJECT)
FRI, MAR 28 2025 18:12

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -1034.3 MW

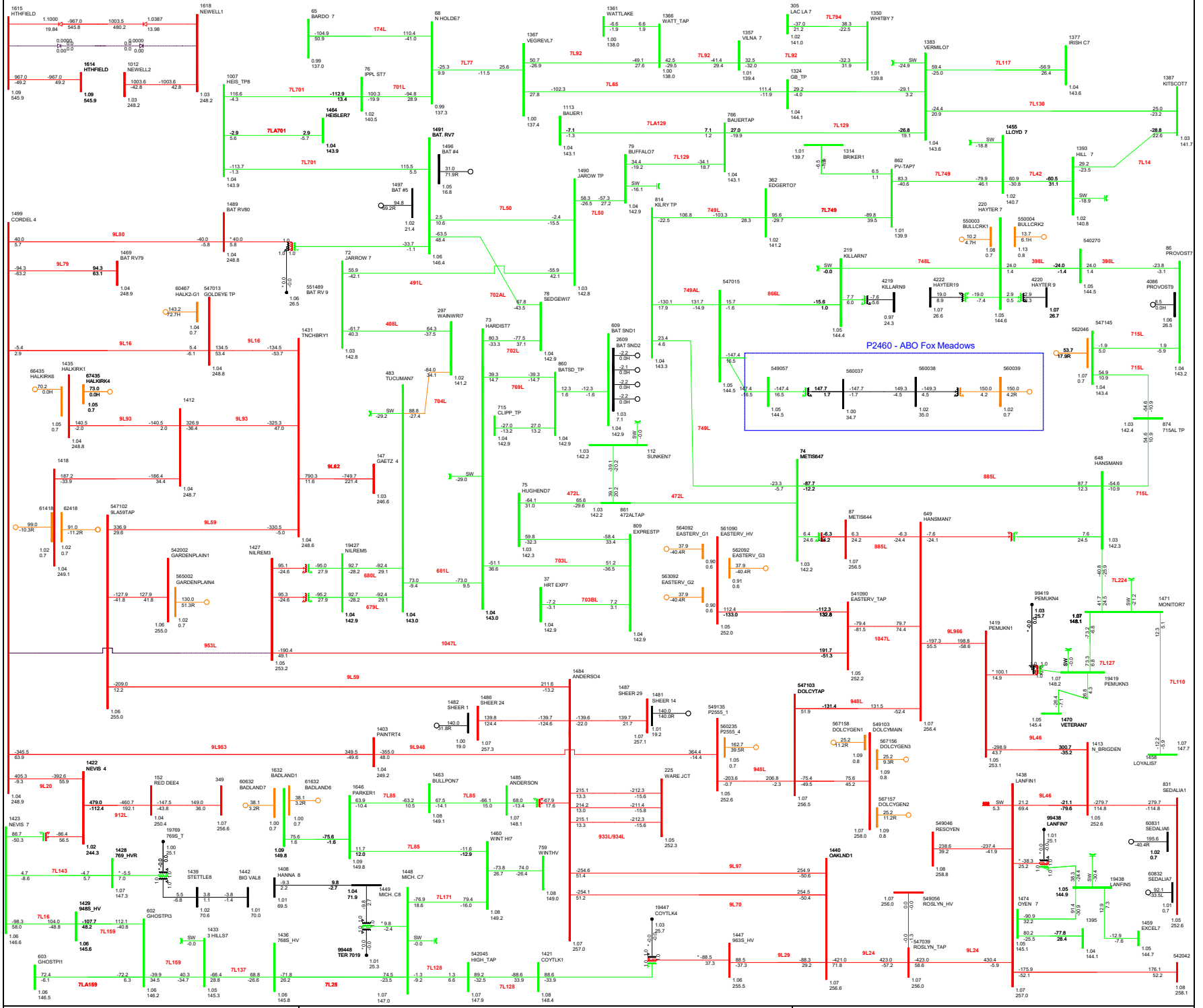
Sask Import: 152.3 MW

MATL: 186.2 MW

FIGURE A7-17-N-1: 912L-NEVIS 766S TO RED DEER 63S
2028 WINTER PEAK - SCN 7 (POST PROJECT)
FRI, MAR 28 2025 18:10

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -1076.3 MW

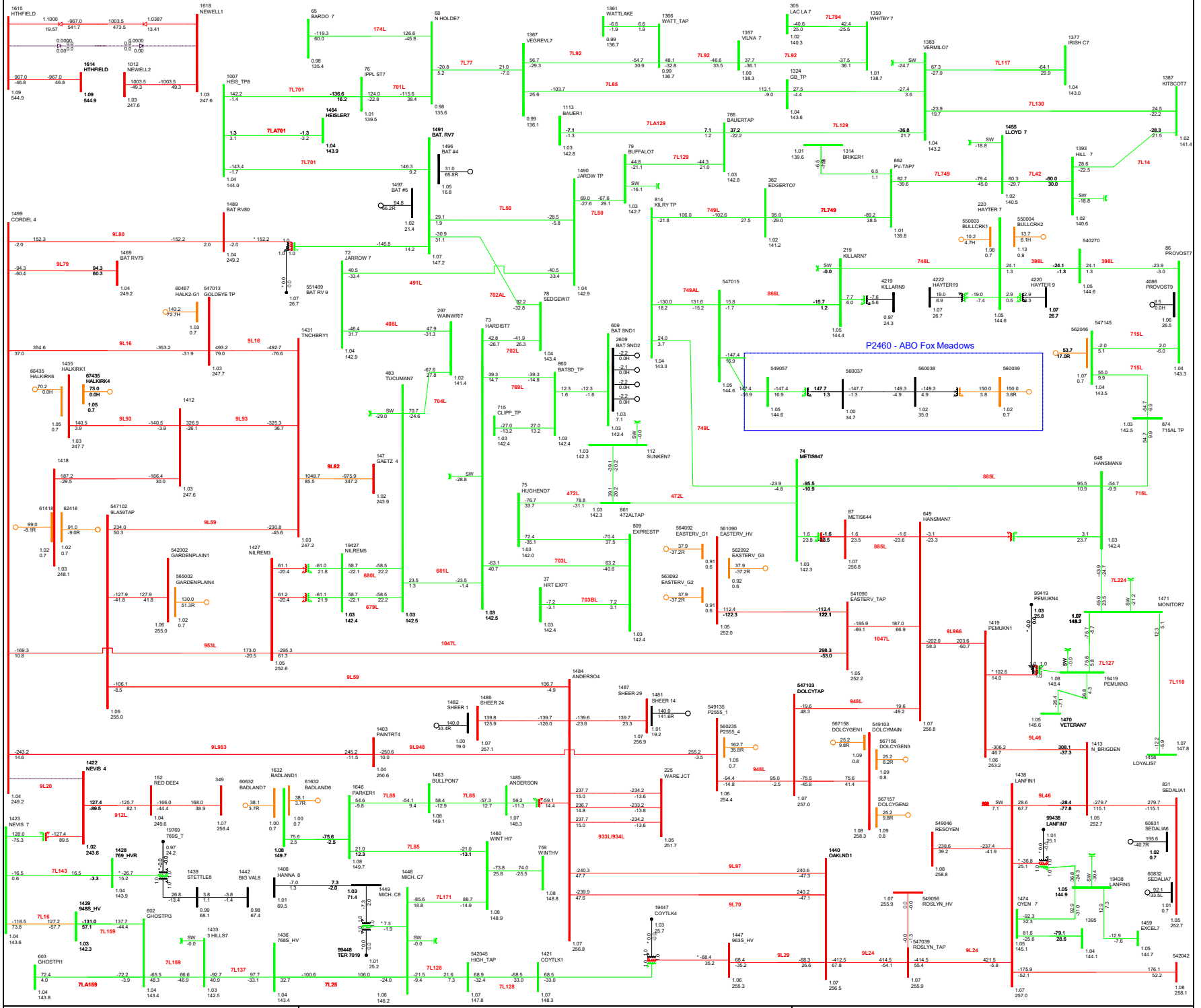
Sask Import: 152.3 MW

MATL: 186.1 MW

FIGURE A7-9-N-1: 953L-NILREM 574S TO CORDEL 755S
2028 WINTER PEAK - SCN 7 (POST PROJECT)
SAT, AUG 09 2025 0:16

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -1044.6 MW

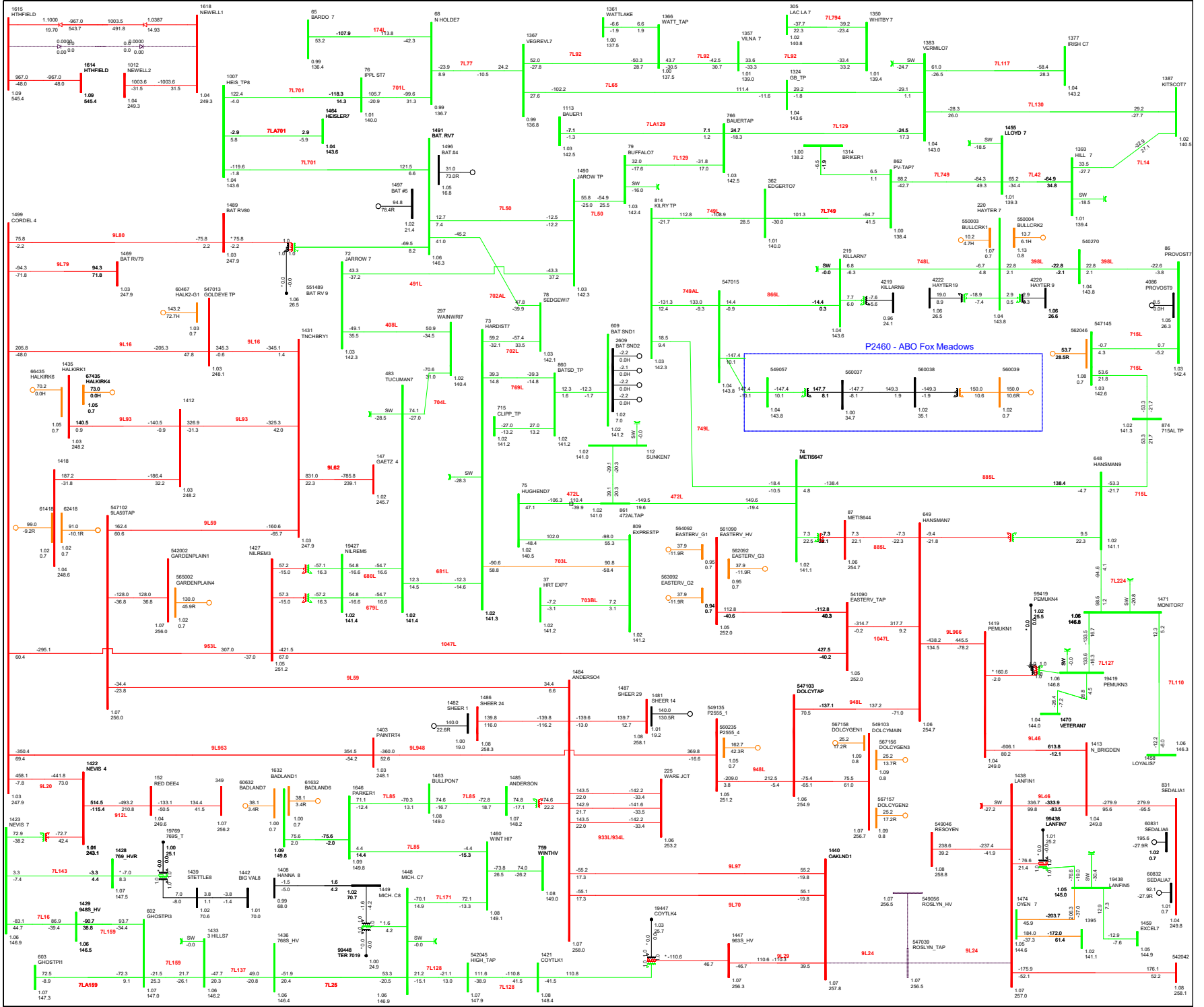
Sask Import: 152.3 MW

MATL: 186.1 MW

FIGURE A7-7-N-1: 9L20-NEVIS 766S TO CORDEL 755S
2028 WINTER PEAK - SCN 7 (POST PROJECT)
SAT, AUG 09 2025 0:16

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -1034.9 MW

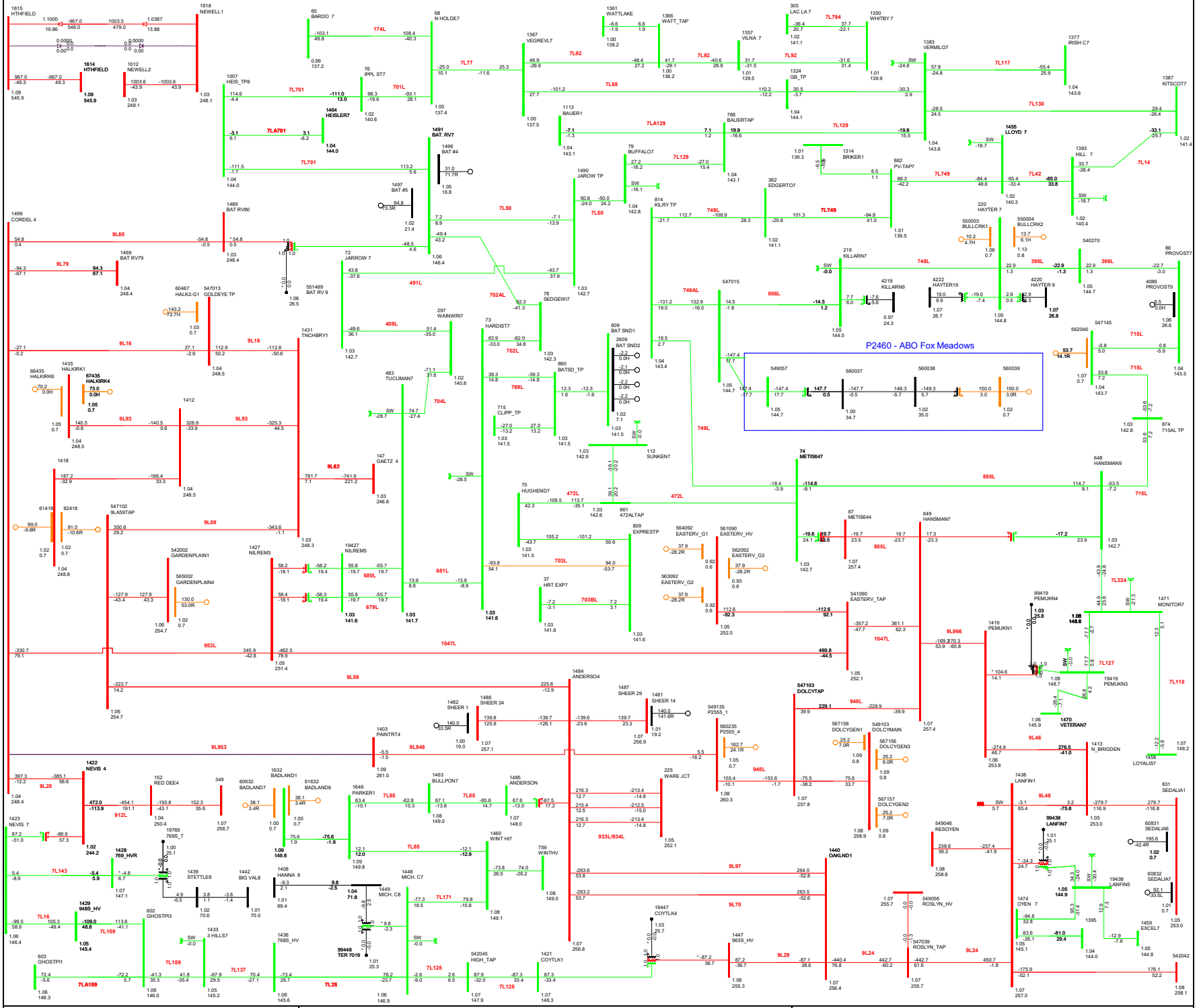
Sask Import: 152.3 MW

MATL: 186.1 MW

FIGURE A7-27-N-1: 9L24-LANFINE 959S TO OAKLAND 946S
2028 WINTER PEAK - SCN 7 (POST PROJECT)
FRI, MAR 28 2025 18:11

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -1064.7 MW

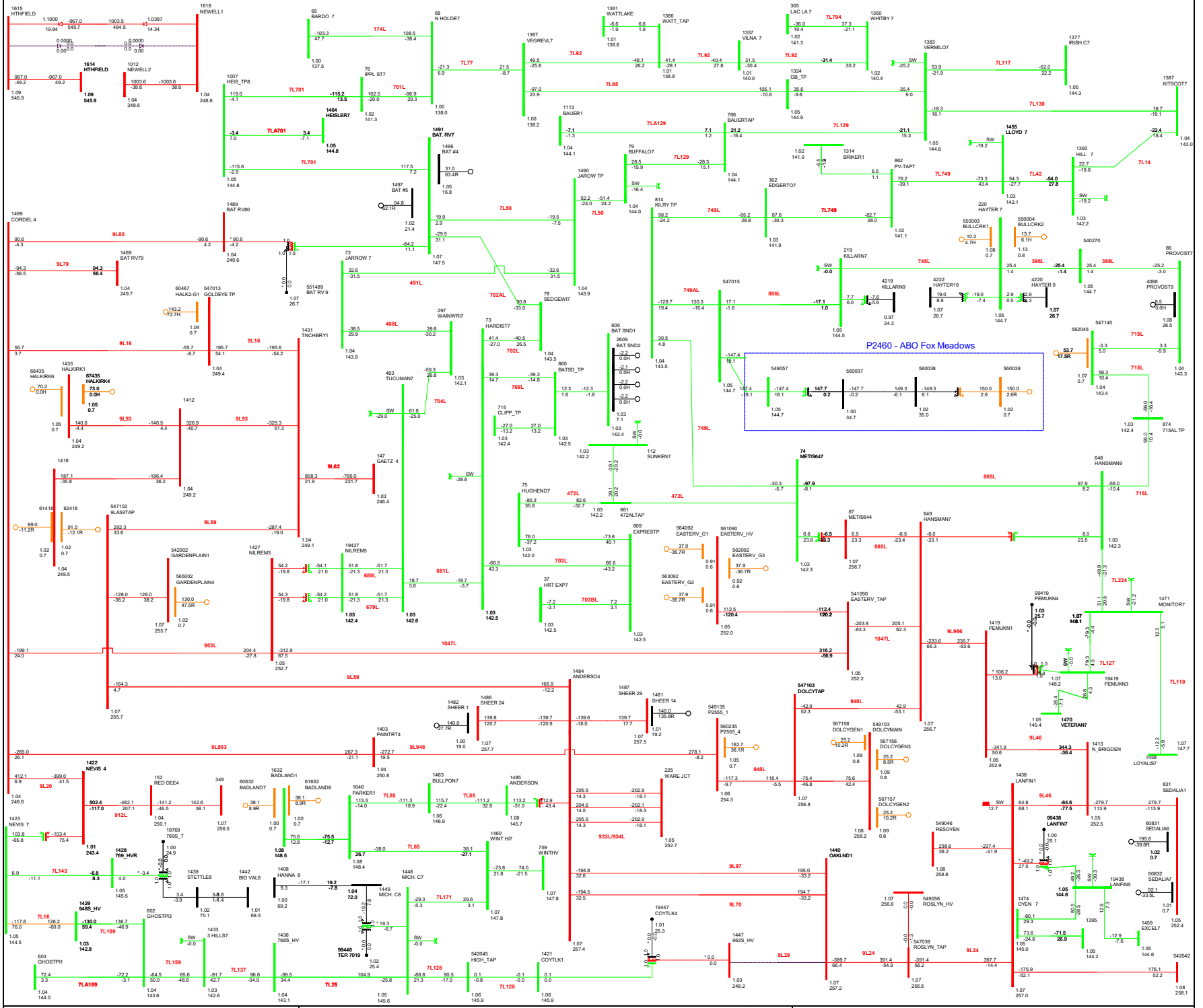
Sask Import: 152.3 MW

MATL: 186.1 MW

FIGURE A7-5-N-1: 9L27-CORDEL 755S TO PAINTEARTH 863S
2028 WINTER PEAK - SCN 7 (POST PROJECT)
SAT, AUG 09 2025 0:16

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -1079.6 MW

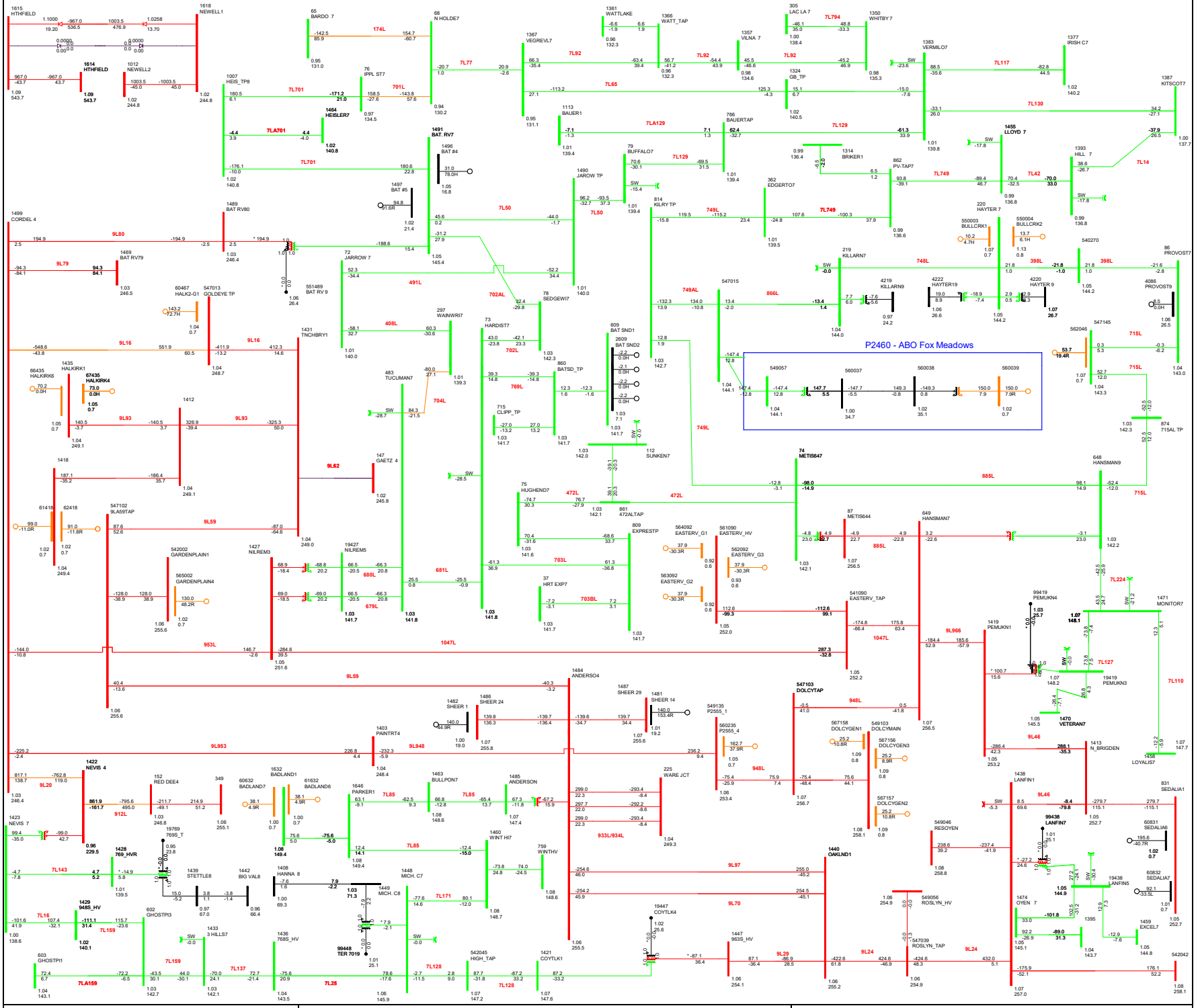
Sask Import: 152.3 MW

MATL: 186.1 MW

FIGURE A7-11-N-1: 9L29-OAKLAND 946S TO COYOTE LAKE 963S
2028 WINTER PEAK - SCN 7 (POST PROJECT)
SAT, AUG 09 2025 0:20

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -935.7 MW

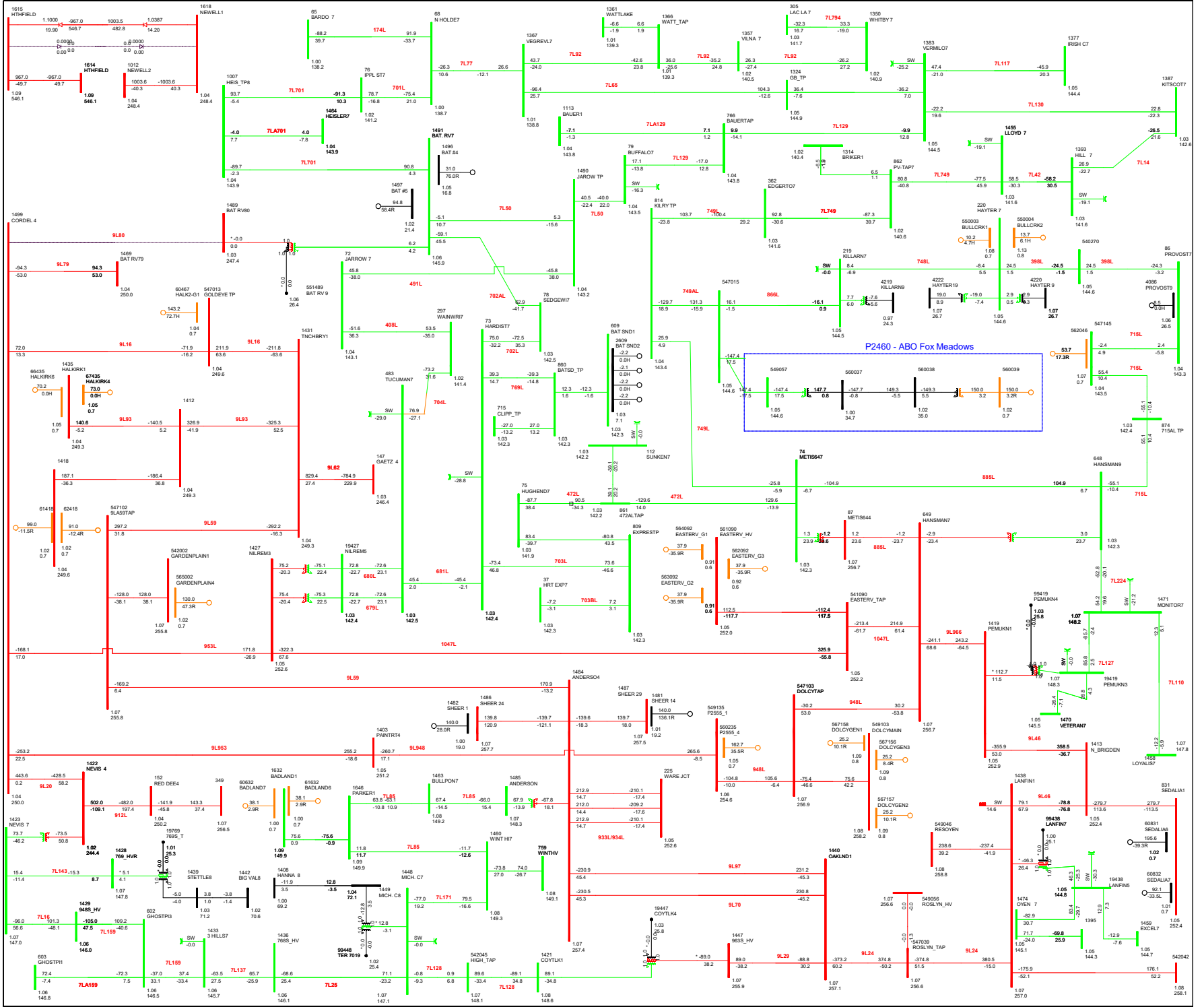
Sask Import: 152.3 MW

MATL: 186.2 MW

FIGURE A7-18-N-1: 9L62-GAETZ TO 972S TINCHEBRAY
2028 WINTER PEAK - SCN 7 (POST PROJECT)
SAT, AUG 09 2025 0:20

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -1088.8 MW

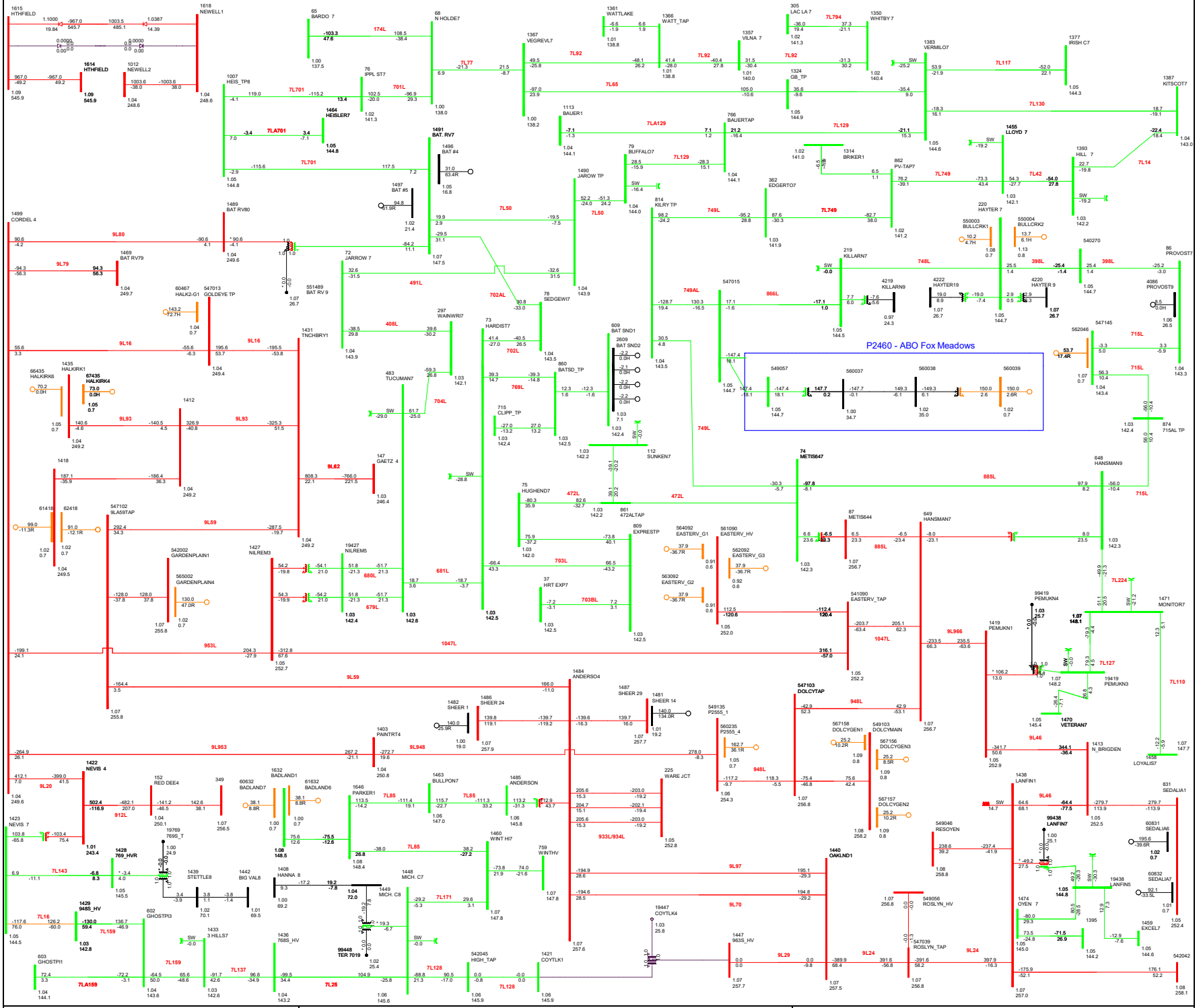
Sask Import: 152.3 MW

MATL: 186.1 MW

FIGURE A7-14-N-1: 9L80-BATTLE RIVER 757S TO CO0RDEL 755S
2028 WINTER PEAK - SCN 7 (POST PROJECT)
FRI, MAR 28 2025 18:10

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -1079.8 MW

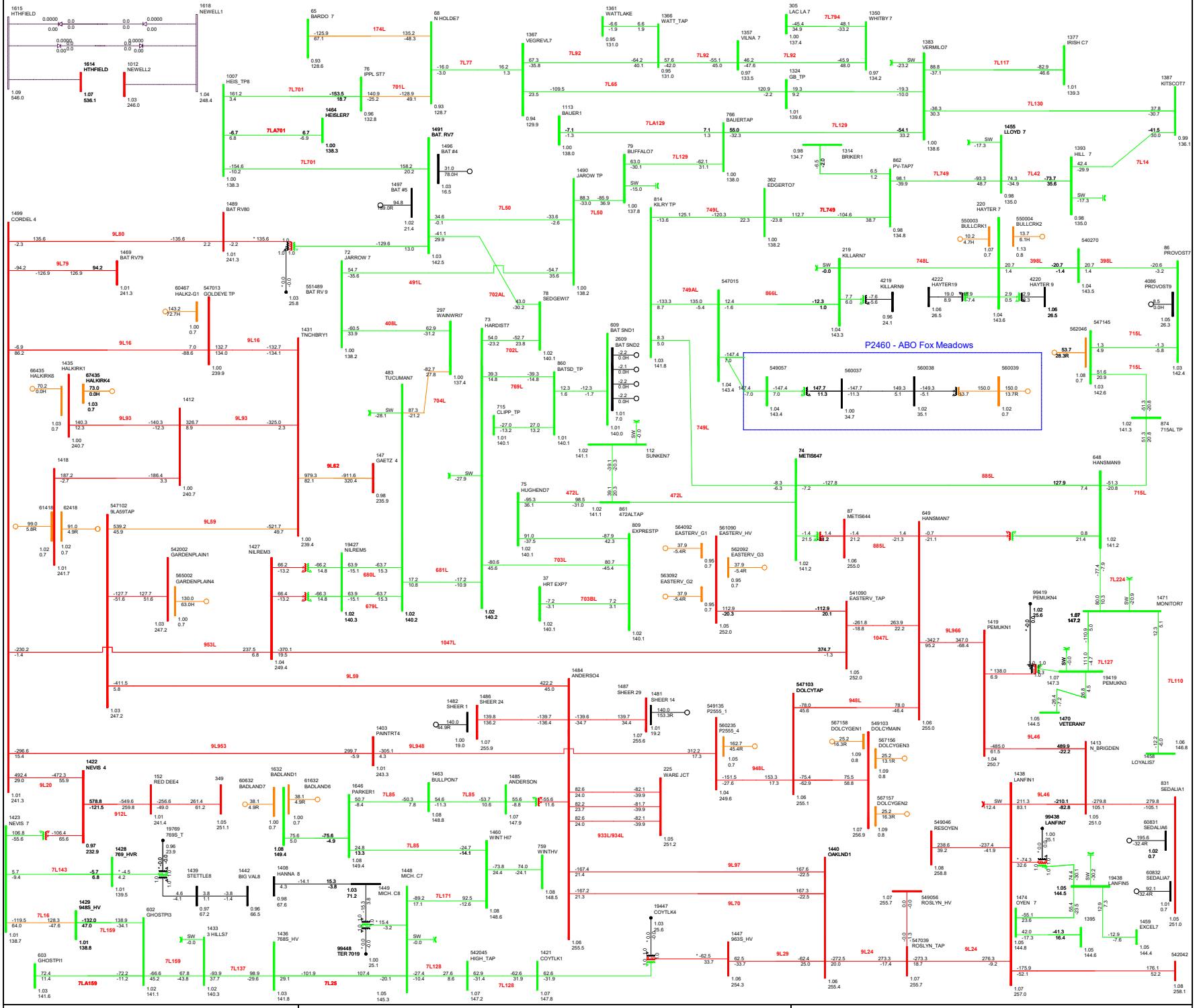
Sask Import: 152.3 MW

MATL: 186.1 MW

FIGURE A7-16-N-1: COYOTE LAKE 963S - 901 TRANSFORMER
2028 WINTER PEAK - SCN 7 (POST PROJECT)
SAT, AUG 09 2025 0:20

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -802.1 MW

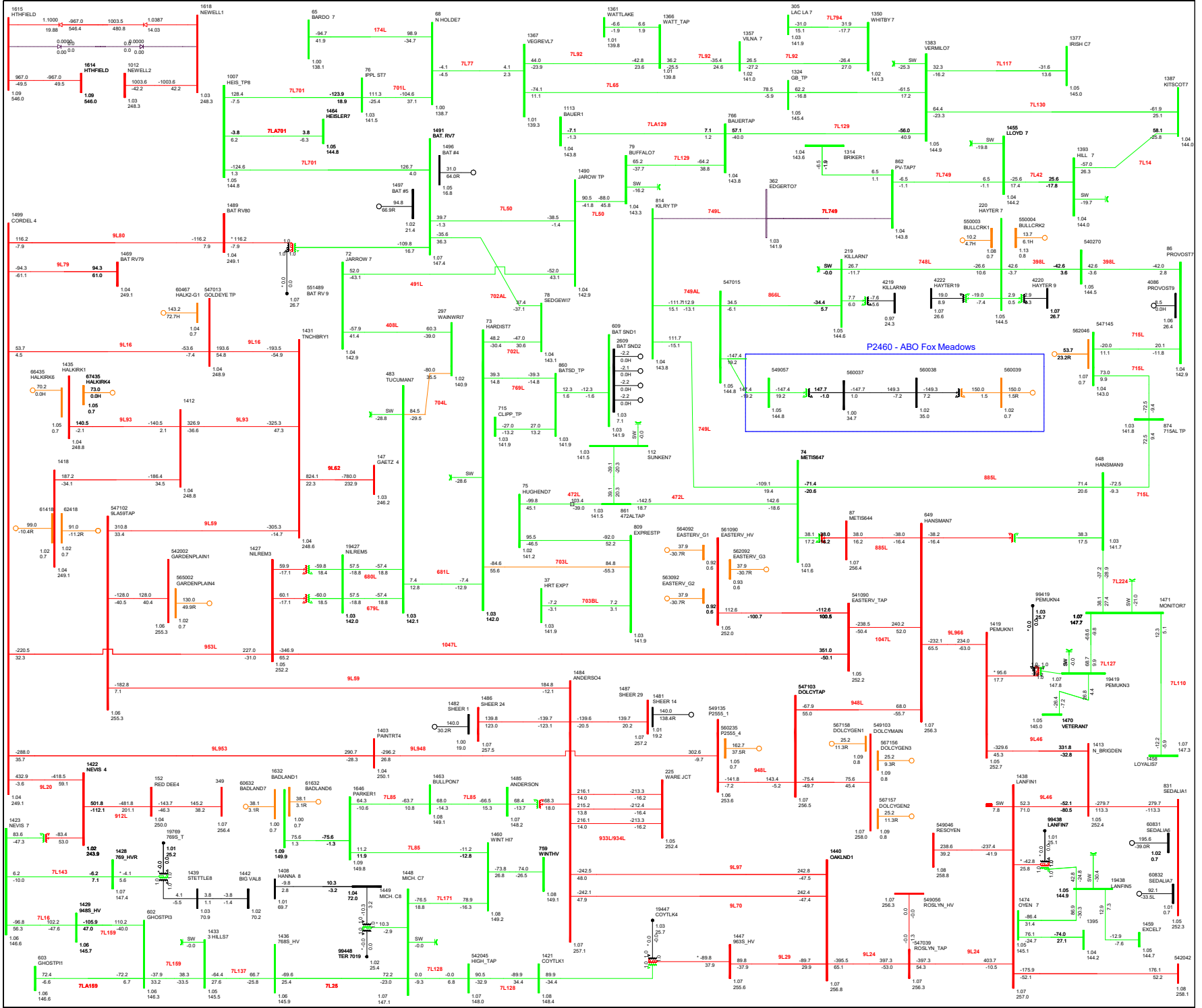
Sask Import: 152.3 MW

MATL: 186.3 MW

FIGURE A7-40-N-1: EATL
2028 WINTER PEAK - SCN 7 (POST PROJECT)
SAT, AUG 09 2025 0:22

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 **<=500.000** >500.000



P2460- ABO Fox Meadows Wind

BC Import: -1088.3 MW

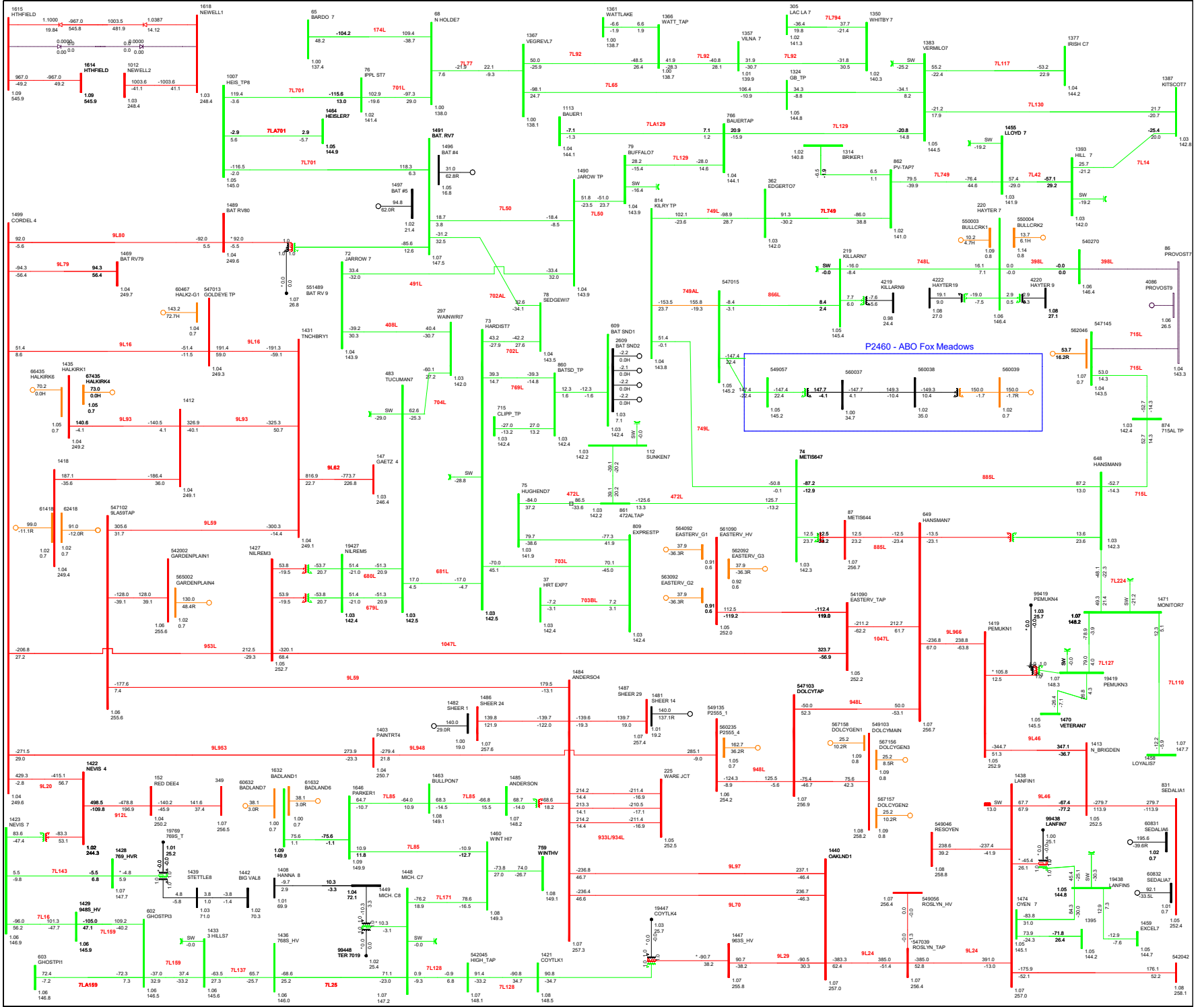
Sask Import: 152.3 MW

MATL: 186.1 MW

FIGURE A7-34-N-1: EDGERTON 899S-TRANSFORMER 3
2028 WINTER PEAK - SCN 7 (POST PROJECT)
FRI, MAR 28 2025 18:11

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -1104.5 MW

Sask Import: 152.3 MW

MATL: 186.1 MW

FIGURE A7-36-N-1: PROVOST TRANSFORMER 545ST1
2028 WINTER PEAK - SCN 7 (POST PROJECT)
FRI, MAR 28 2025 18:11

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000

Attachment A4
Post-Project Transient Stability Diagram

AESO ABO FOX MEADOWS-2028 SL
749L-KILLARNEY-NEAR

FILE: C:\Fox Meadows\SCN5\749L-Killarney-N.out

SUN, MAR 09 2025 6:54

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
3.5000 -1.500
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
3.5000 1.0000
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
3.4500 -1.000
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
3.0000 -1.000
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
4.5000 -2.500
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
3.0000 -1.000

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
749L-KILLARNEY-NEAR

FILE: C:\Fox Meadows\SCN5\749L-Killarney-N.out

SUN, MAR 09 2025 6:54

ANGLES

CHNL# 5: CPENG13.8J
300.00 -200.0
CHNL# 4: CNOVA GT1J
200.00 -300.0
CHNL# 3: CHIGH RA9J
0.50000 -0.5000
CHNL# 2: CBAT#4J
200.00 -300.0
CHNL# 1: CSHEER 1J
200.00 -300.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
749L-KILLARNEY-NEAR

FILE: C:\Fox Meadows\SCN5\749L-Killarney-N.out

SUN, MAR 09 2025 6:54

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
1.5000 0.0
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
1.5000 0.0
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
1.5000 0.0
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
1.5000 0.0
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
1.5000 0.0
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ
1.5000 0.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
749L-KILLARNEY-NEAR

FILE: C:\Fox Meadows\SCN5\749L-Killarney-N.out

SUN, MAR 09 2025 6:54

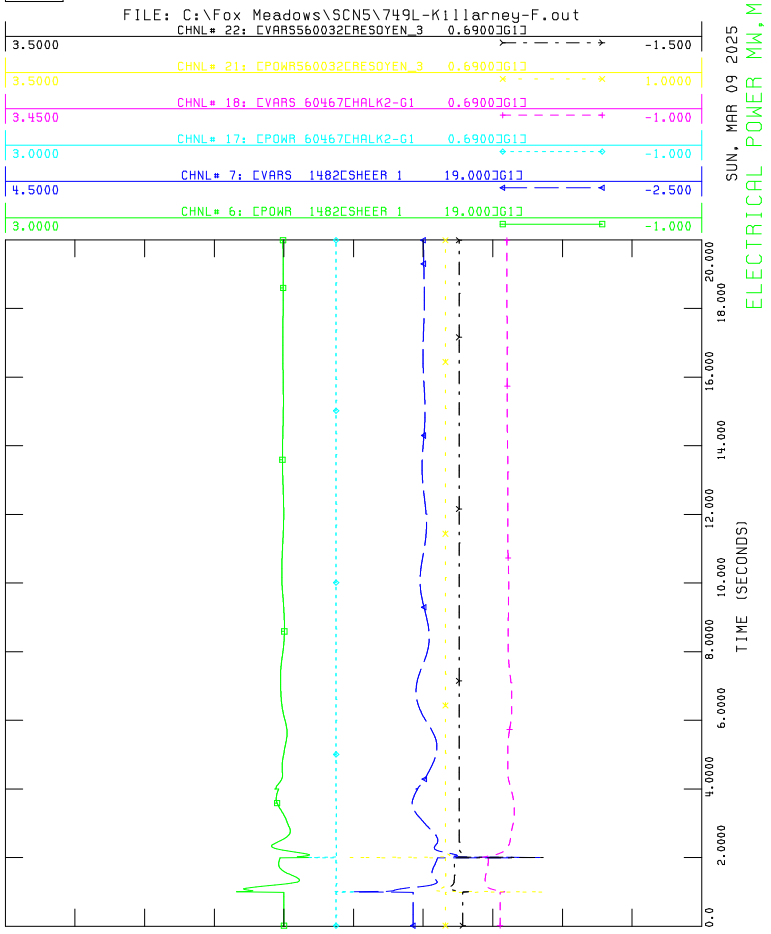
BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
100.00 -100.0
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
200.00 -200.0
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
250.00 -200.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
749L-KILLARNEY-FAR

FILE: C:\Fox Meadows\SCN5\749L-Killarney-F.out

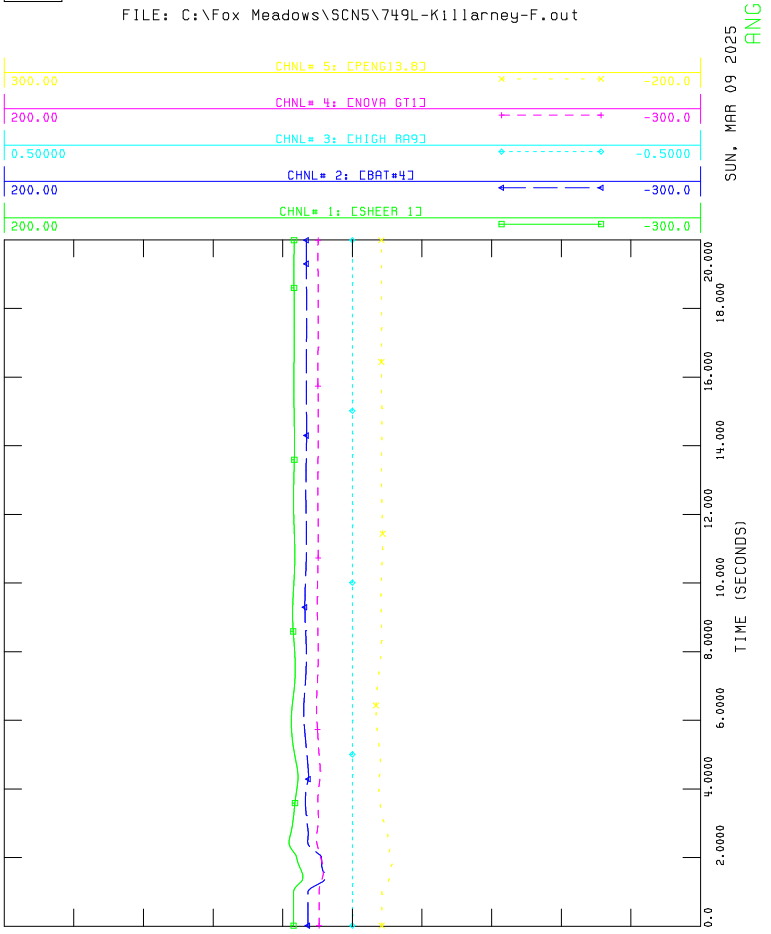


SUN, MAR 09 2025 6:54

ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SL
749L-KILLARNEY-FAR

FILE: C:\Fox Meadows\SCN5\749L-Killarney-F.out

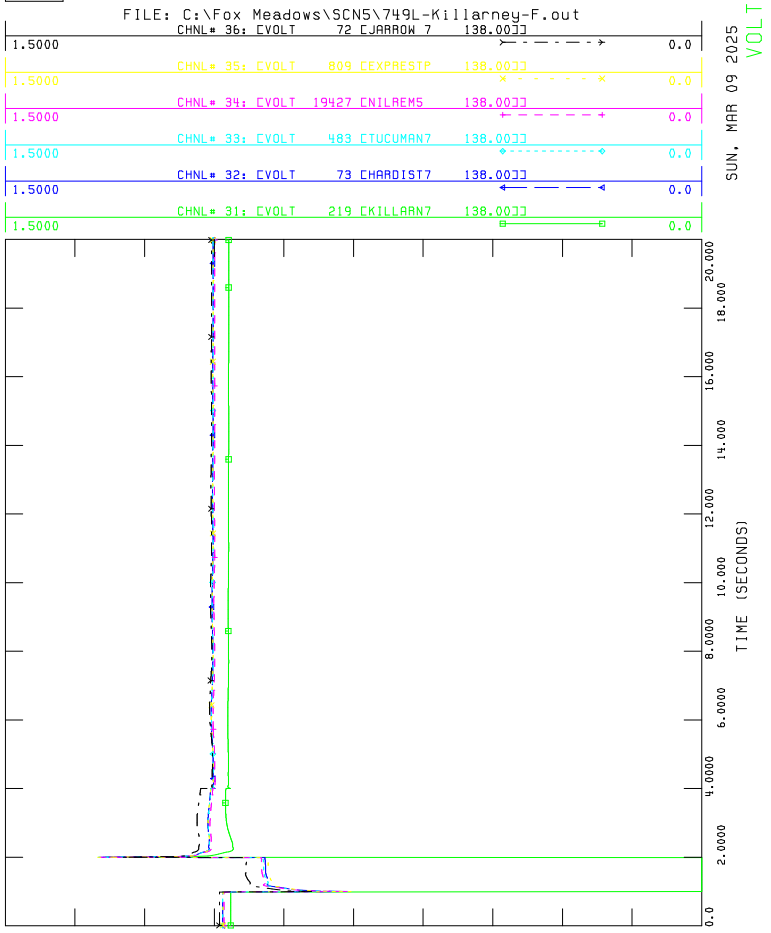


SUN, MAR 09 2025 6:54

ANGLES

AESO ABO FOX MEADOWS-2028 SL
749L-KILLARNEY-FAR

FILE: C:\Fox Meadows\SCN5\749L-Killarney-F.out

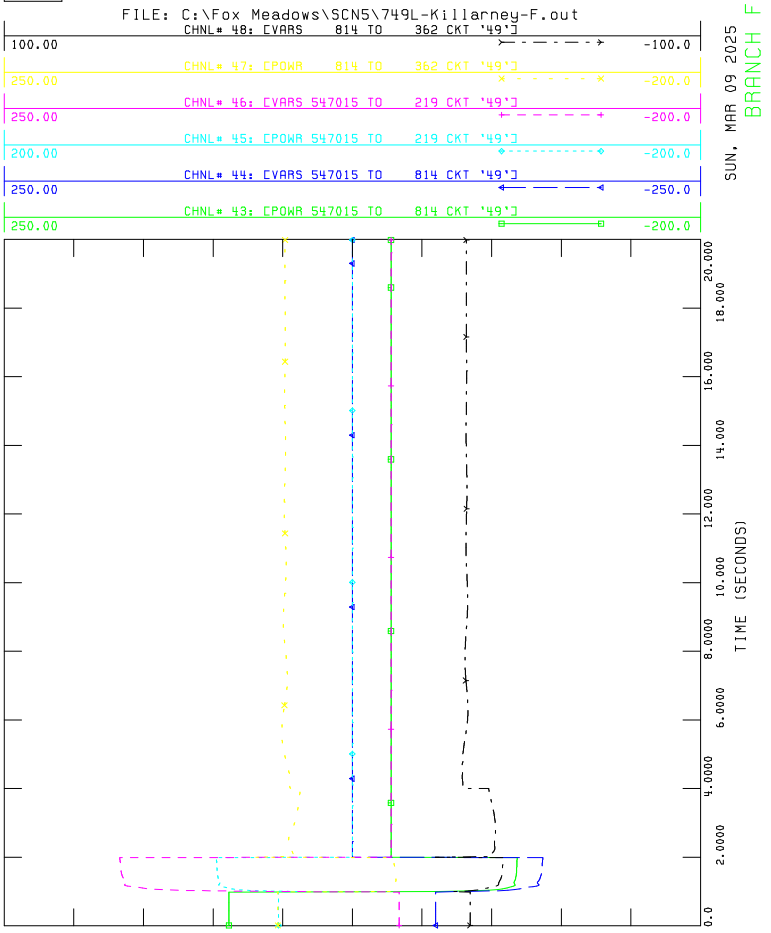


SUN, MAR 09 2025 6:54

VOLTAGE

AESO ABO FOX MEADOWS-2028 SL
749L-KILLARNEY-FAR

FILE: C:\Fox Meadows\SCN5\749L-Killarney-F.out

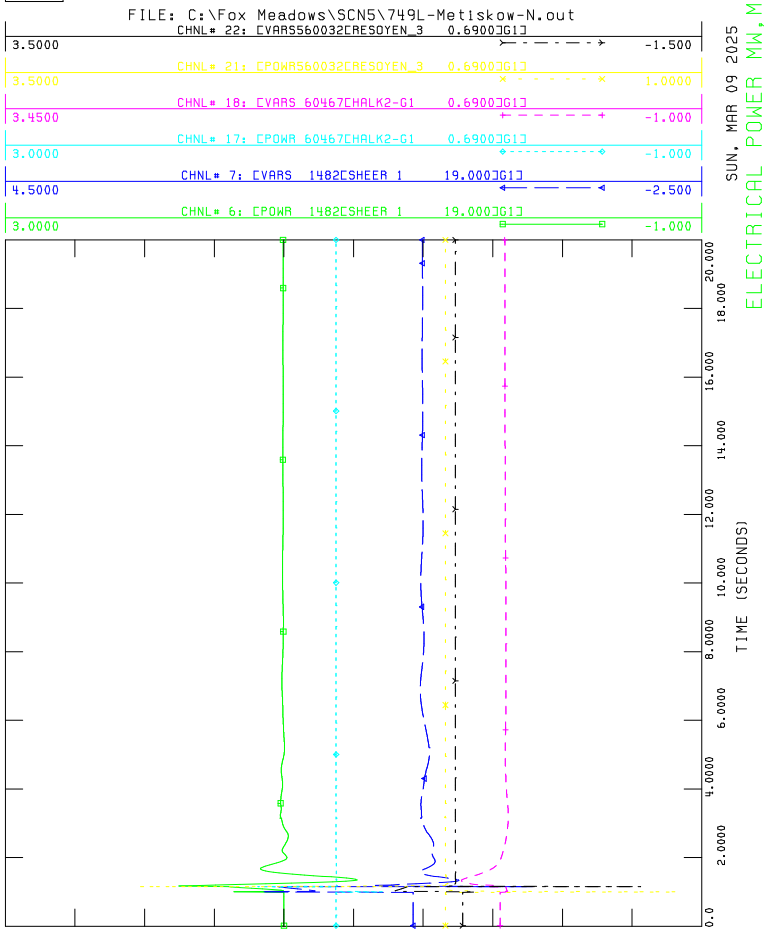


SUN, MAR 09 2025 6:54

BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SL
749L-METISKOW-NEAR

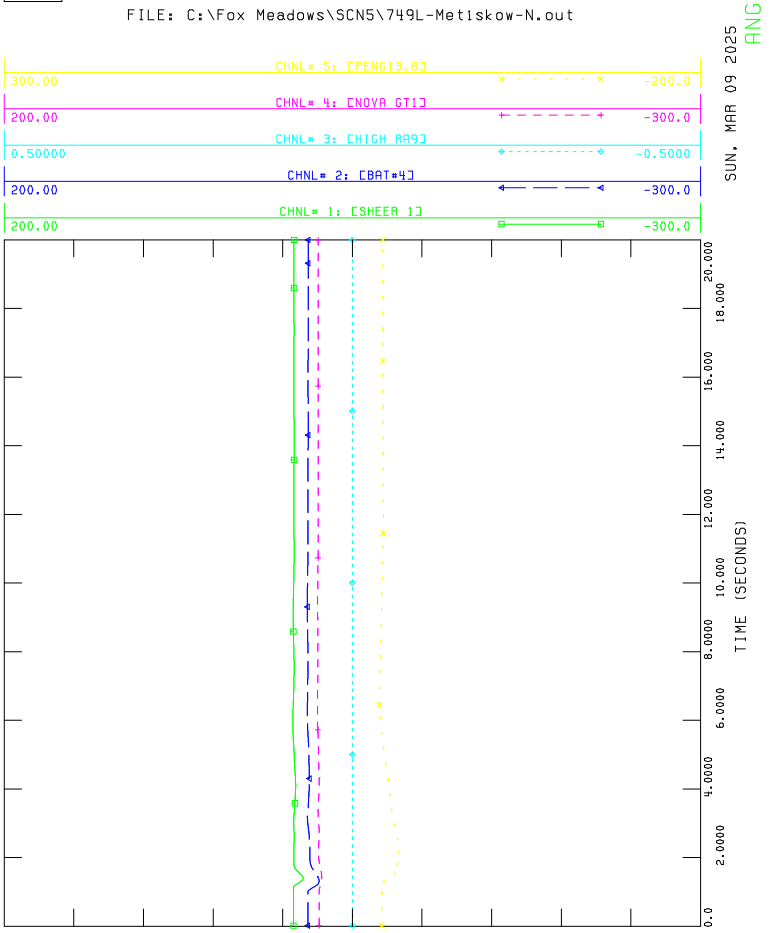
FILE: C:\Fox Meadows\SCN5\749L-Metiskow-N.out



SUN, MAR 09 2025 6:54
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SL
749L-METISKOW-NEAR

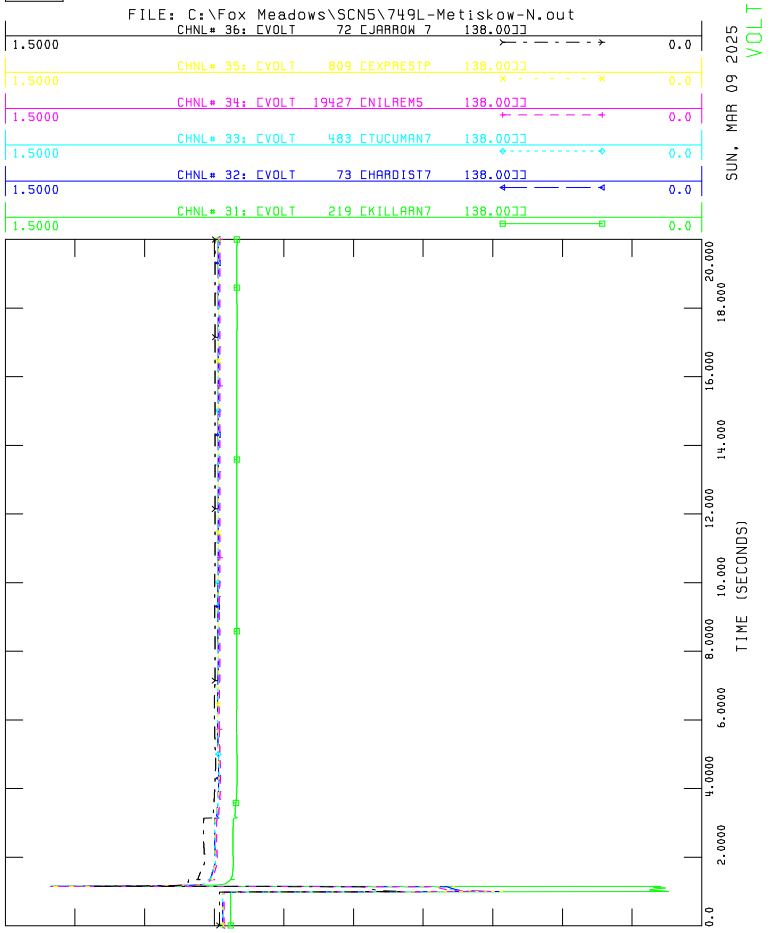
FILE: C:\Fox Meadows\SCN5\749L-Metiskow-N.out



SUN, MAR 09 2025 6:54
ANGLES

AESO ABO FOX MEADOWS-2028 SL
749L-METISKOW-NEAR

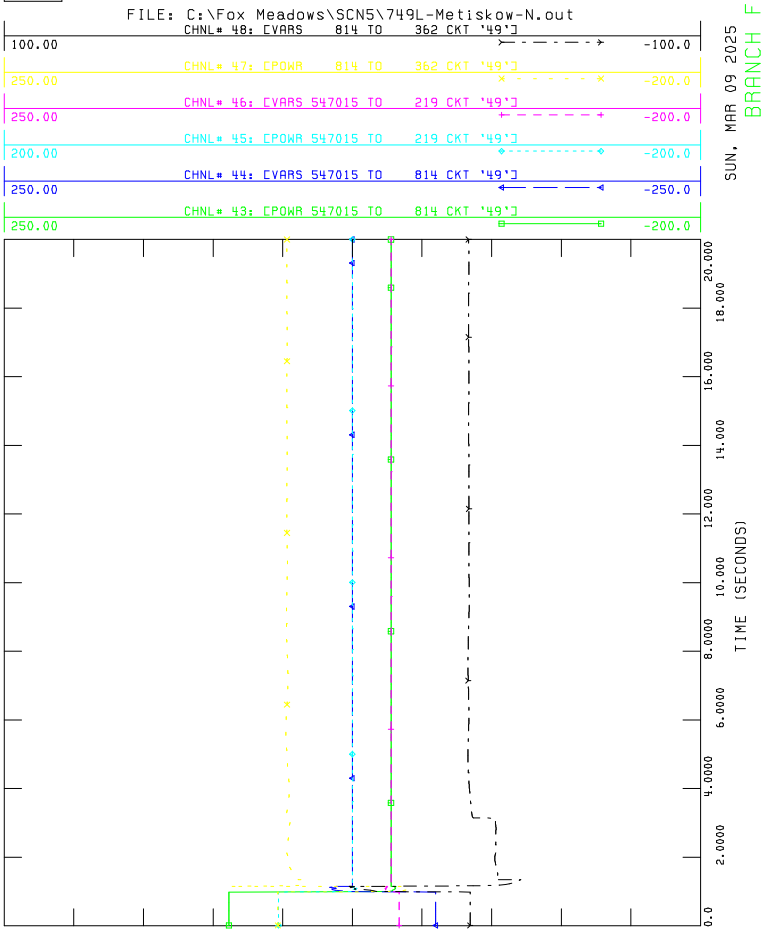
FILE: C:\Fox Meadows\SCN5\749L-Metiskow-N.out



SUN, MAR 09 2025 6:54
VOLTAGE

AESO ABO FOX MEADOWS-2028 SL
749L-METISKOW-NEAR

FILE: C:\Fox Meadows\SCN5\749L-Metiskow-N.out



SUN, MAR 09 2025 6:54
BRANCH FLOW

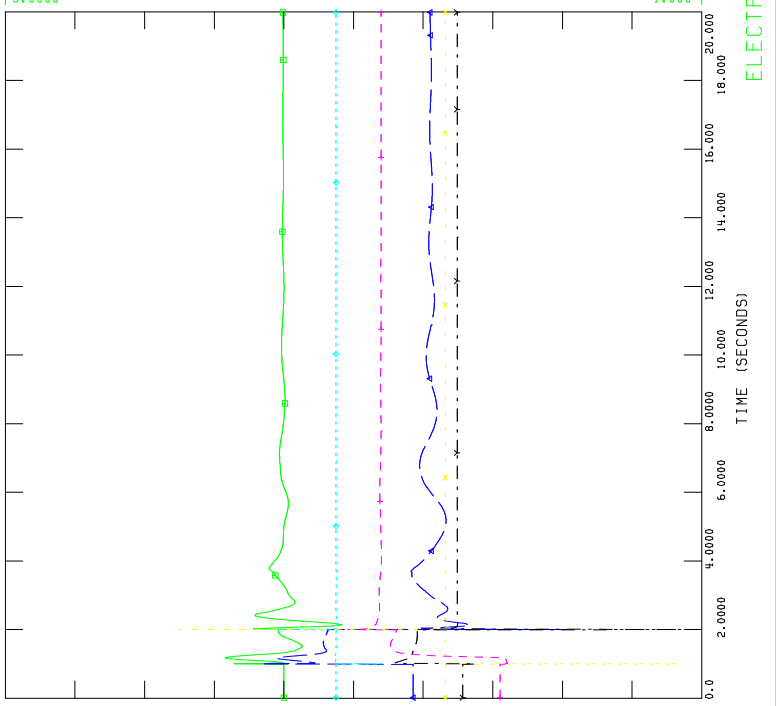
AESO ABO FOX MEADOWS-2028 SL
749L-METISKOW-FAR

FILE: C:\Fox Meadows\SCN5\749L-Metiskow-F.out

SUN, MAR 09 2025 6:54 ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
3.5000 -1.500
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
3.5000 1.0000
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
3.4500 -1.000
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
3.0000 -1.000
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
4.5000 -2.500
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
3.0000 -1.000

TIME (SECONDS)



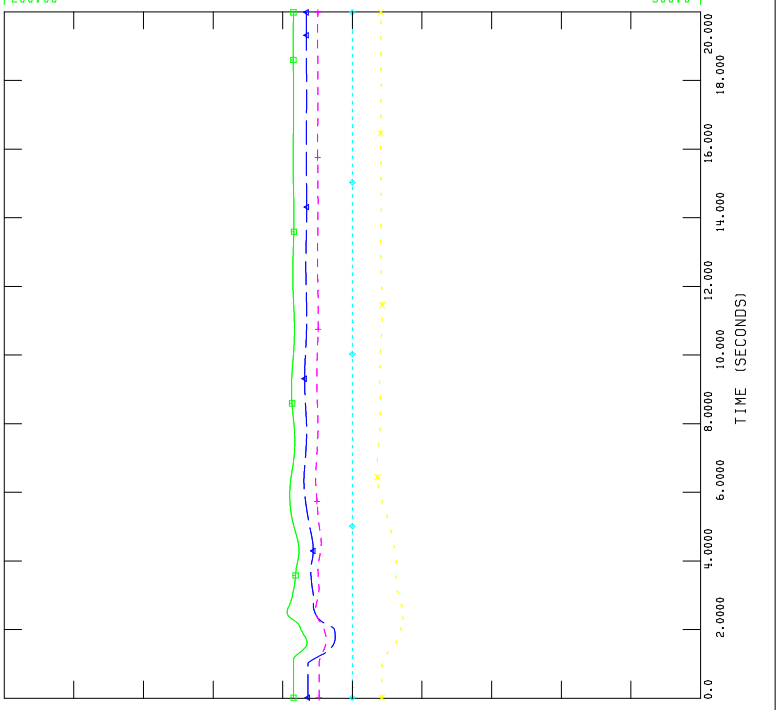
AESO ABO FOX MEADOWS-2028 SL
749L-METISKOW-FAR

FILE: C:\Fox Meadows\SCN5\749L-Metiskow-F.out

SUN, MAR 09 2025 6:54 ANGLES

CHNL# 5: CPENG13.8J
300.00 -200.0
CHNL# 4: CNOVA GT1J
200.00 -300.0
CHNL# 3: CHIGH RA9J
0.50000 -0.5000
CHNL# 2: CBAT#4J
200.00 -300.0
CHNL# 1: CSHEER 1J
200.00 -300.0

TIME (SECONDS)



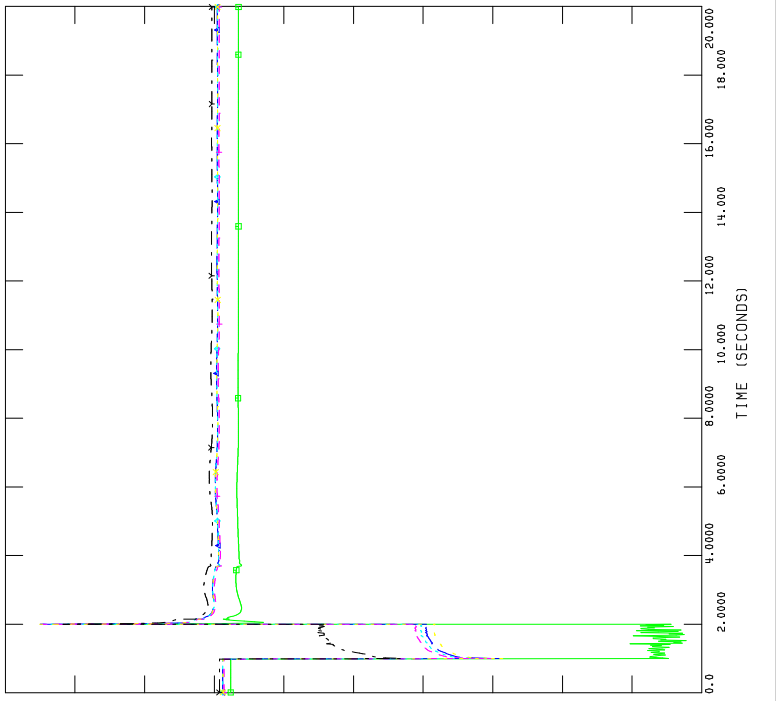
AESO ABO FOX MEADOWS-2028 SL
749L-METISKOW-FAR

FILE: C:\Fox Meadows\SCN5\749L-Metiskow-F.out

SUN, MAR 09 2025 6:54 VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
1.5000 0.0
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
1.5000 0.0
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
1.5000 0.0
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
1.5000 0.0
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
1.5000 0.0
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ
1.5000 0.0

TIME (SECONDS)



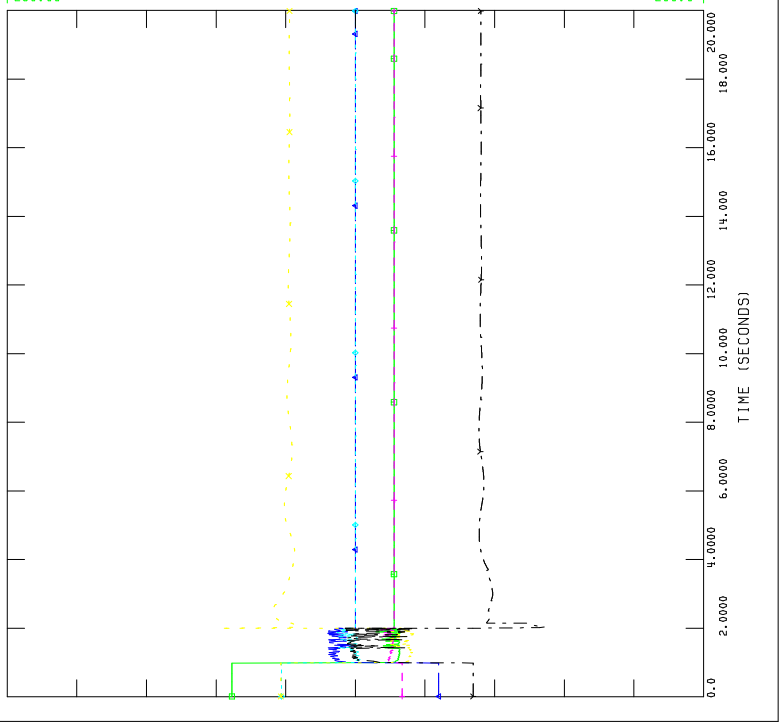
AESO ABO FOX MEADOWS-2028 SL
749L-METISKOW-FAR

FILE: C:\Fox Meadows\SCN5\749L-Metiskow-F.out

SUN, MAR 09 2025 6:54 BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
100.00 -100.0
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
200.00 -200.0
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
250.00 -200.0

TIME (SECONDS)



AESO ABO FOX MEADOWS-2028 SL
749L-EDGERTON-NEAR

FILE: C:\Fox Meadows\SCN5\749L-Edgerton-N.out

SUN, MAR 09 2025 6:54

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
3.5000 -1.500
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
3.5000 1.0000
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
3.4500 -1.000
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
3.0000 -1.000
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
4.5000 -2.500
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
3.0000 -1.000

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
749L-EDGERTON-NEAR

FILE: C:\Fox Meadows\SCN5\749L-Edgerton-N.out

SUN, MAR 09 2025 6:54

ANGLES

CHNL# 5: CPENG13.8J
300.00 -200.0
CHNL# 4: CNOVA GT1J
200.00 -300.0
CHNL# 3: CHIGH RA9J
0.50000 -0.5000
CHNL# 2: CBAT#4J
200.00 -300.0
CHNL# 1: CSHEER 1J
200.00 -300.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
749L-EDGERTON-NEAR

FILE: C:\Fox Meadows\SCN5\749L-Edgerton-N.out

SUN, MAR 09 2025 6:54

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
1.5000 0.0
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
1.5000 0.0
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
1.5000 0.0
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
1.5000 0.0
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
1.5000 0.0
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ
1.5000 0.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
749L-EDGERTON-NEAR

FILE: C:\Fox Meadows\SCN5\749L-Edgerton-N.out

SUN, MAR 09 2025 6:54

BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
400.00 -400.0
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
200.00 -200.0
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
250.00 -200.0

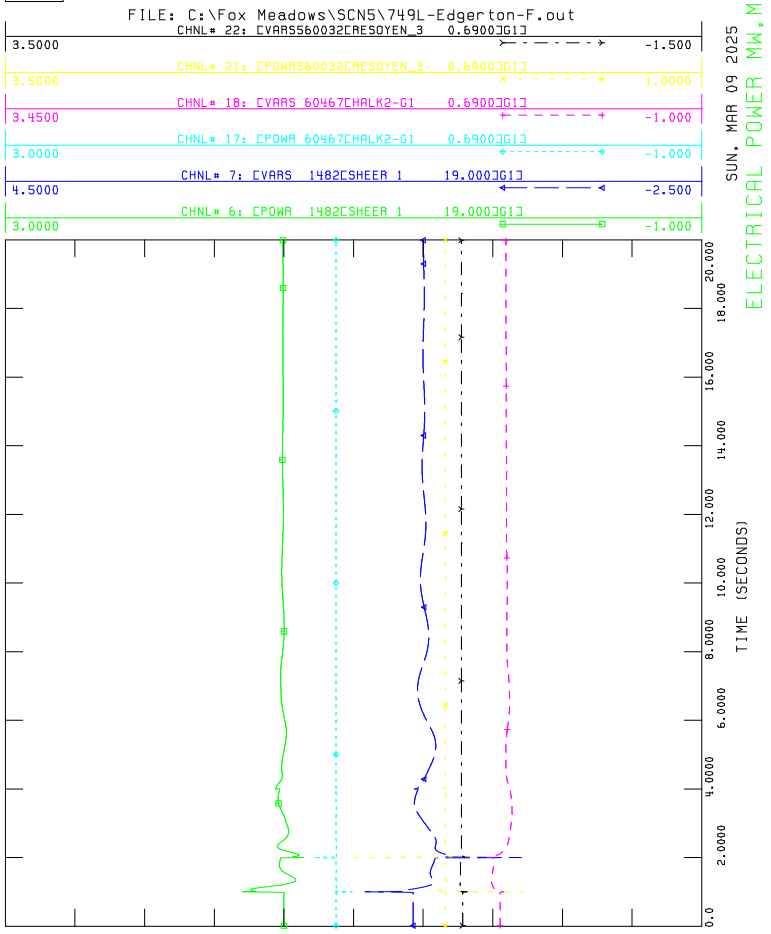
TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
749L-EDGERTON-FAR

FILE: C:\Fox Meadows\SCN5\749L-Edgerton-F.out

SUN, MAR 09 2025 6:54

ELECTRICAL POWER MW, MVAR

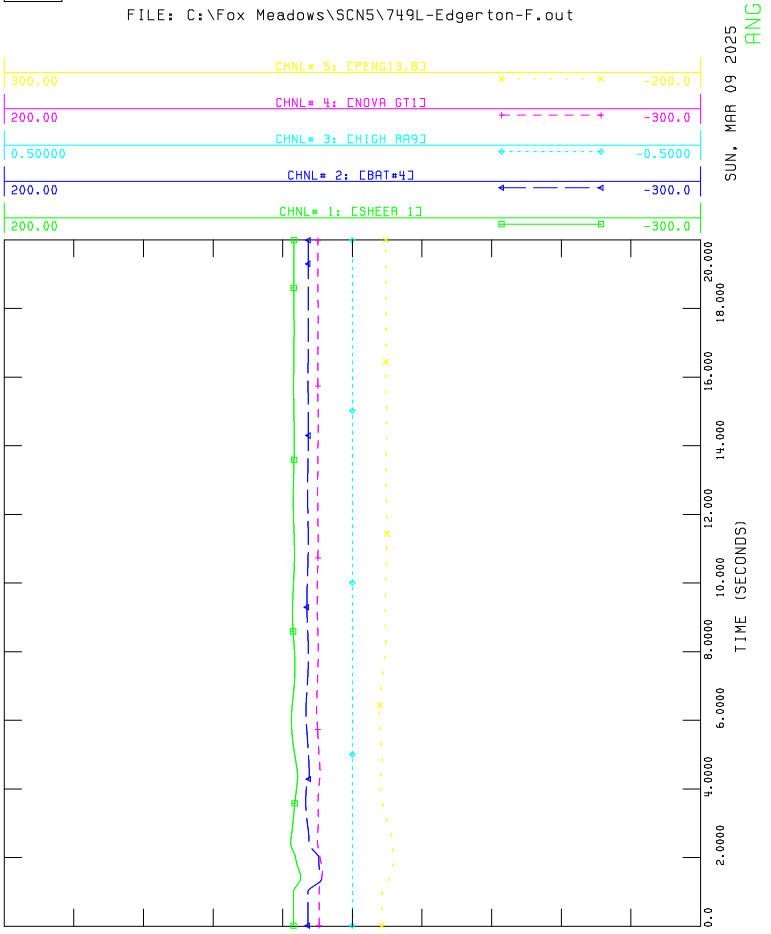


AESO ABO FOX MEADOWS-2028 SL
749L-EDGERTON-FAR

FILE: C:\Fox Meadows\SCN5\749L-Edgerton-F.out

SUN, MAR 09 2025 6:54

ANGLES

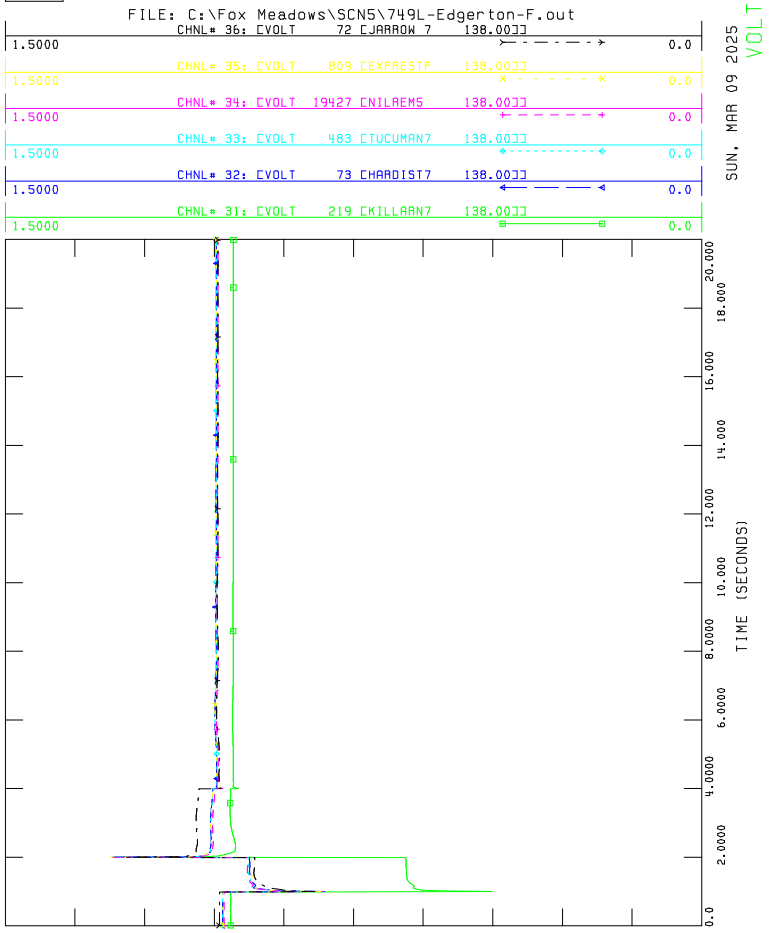


AESO ABO FOX MEADOWS-2028 SL
749L-EDGERTON-FAR

FILE: C:\Fox Meadows\SCN5\749L-Edgerton-F.out

SUN, MAR 09 2025 6:54

VOLTAGE

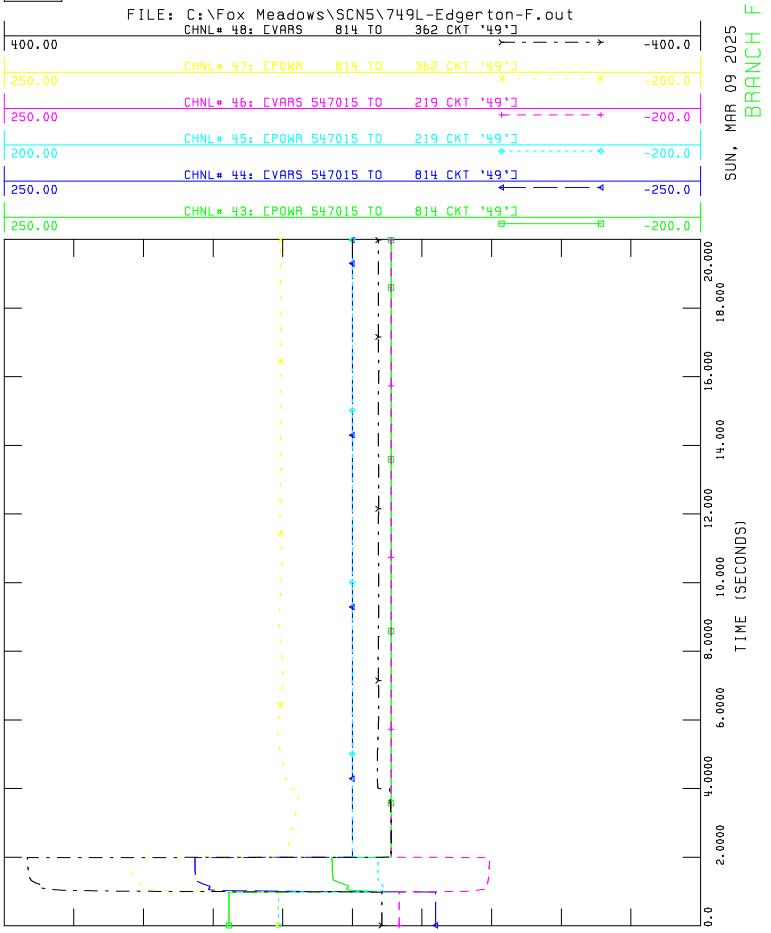


AESO ABO FOX MEADOWS-2028 SL
749L-EDGERTON-FAR

FILE: C:\Fox Meadows\SCN5\749L-Edgerton-F.out

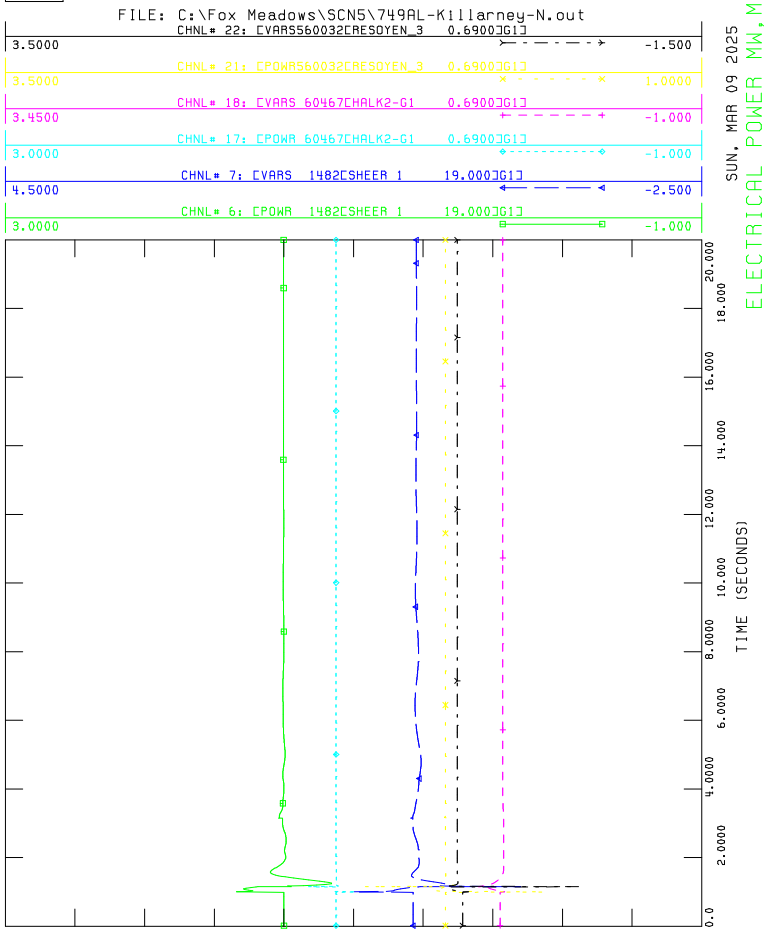
SUN, MAR 09 2025 6:54

BRANCH FLOW



AESO ABO FOX MEADOWS-2028 SL
749AL-KILLARNEY-NEAR

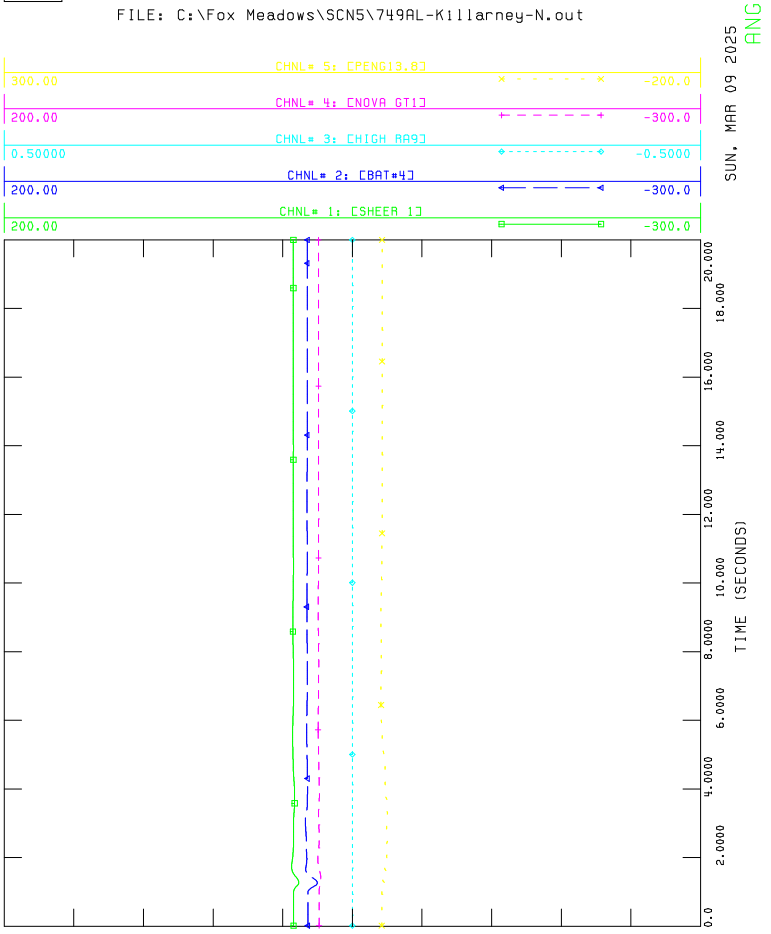
FILE: C:\Fox Meadows\SCN5\749AL-Killarney-N.out



SUN, MAR 09 2025 6:54
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SL
749AL-KILLARNEY-NEAR

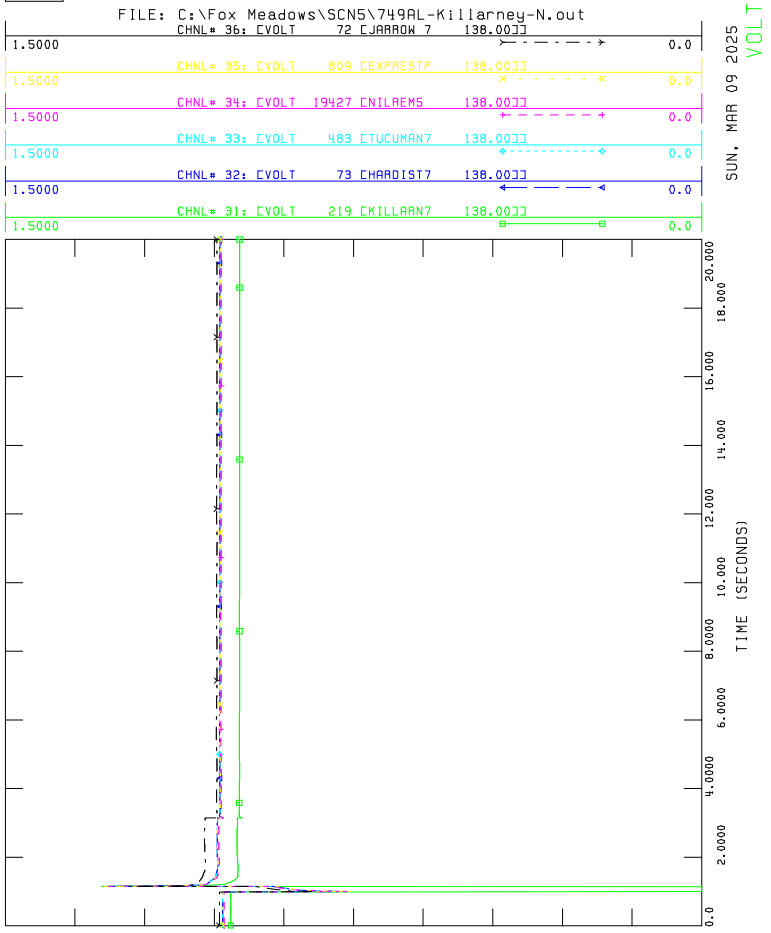
FILE: C:\Fox Meadows\SCN5\749AL-Killarney-N.out



SUN, MAR 09 2025 6:54
ANGLES

AESO ABO FOX MEADOWS-2028 SL
749AL-KILLARNEY-NEAR

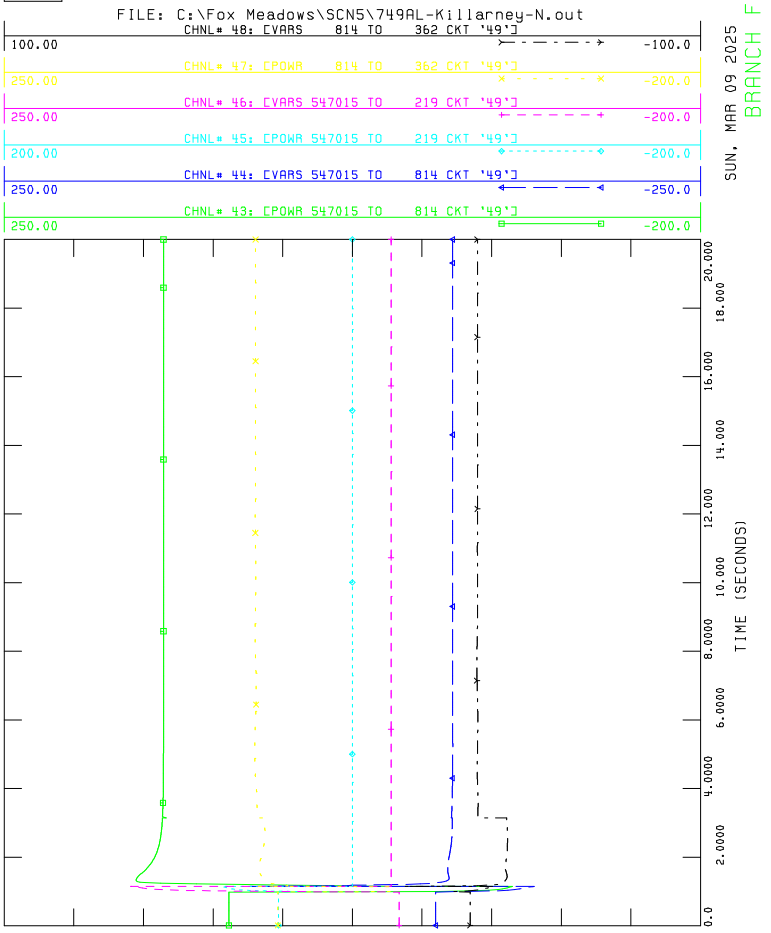
FILE: C:\Fox Meadows\SCN5\749AL-Killarney-N.out



SUN, MAR 09 2025 6:54
VOLTAGE

AESO ABO FOX MEADOWS-2028 SL
749AL-KILLARNEY-NEAR

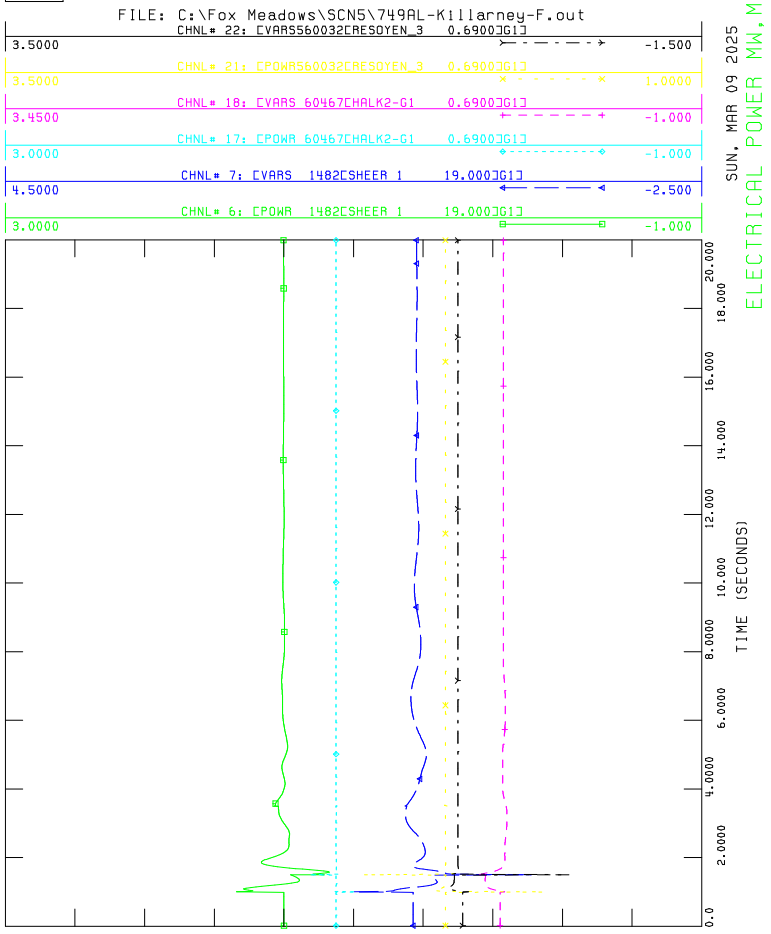
FILE: C:\Fox Meadows\SCN5\749AL-Killarney-N.out



SUN, MAR 09 2025 6:54
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SL
749AL-KILLARNEY-FAR

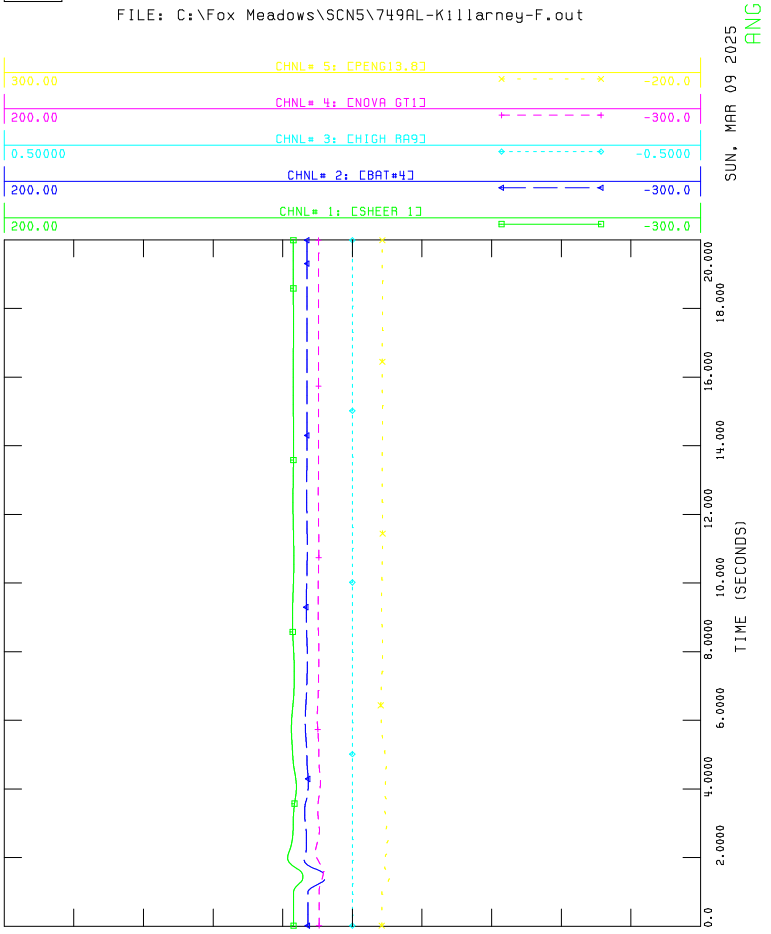
FILE: C:\Fox Meadows\SCN5\749AL-Killarney-F.out



SUN, MAR 09 2025 6:54
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SL
749AL-KILLARNEY-FAR

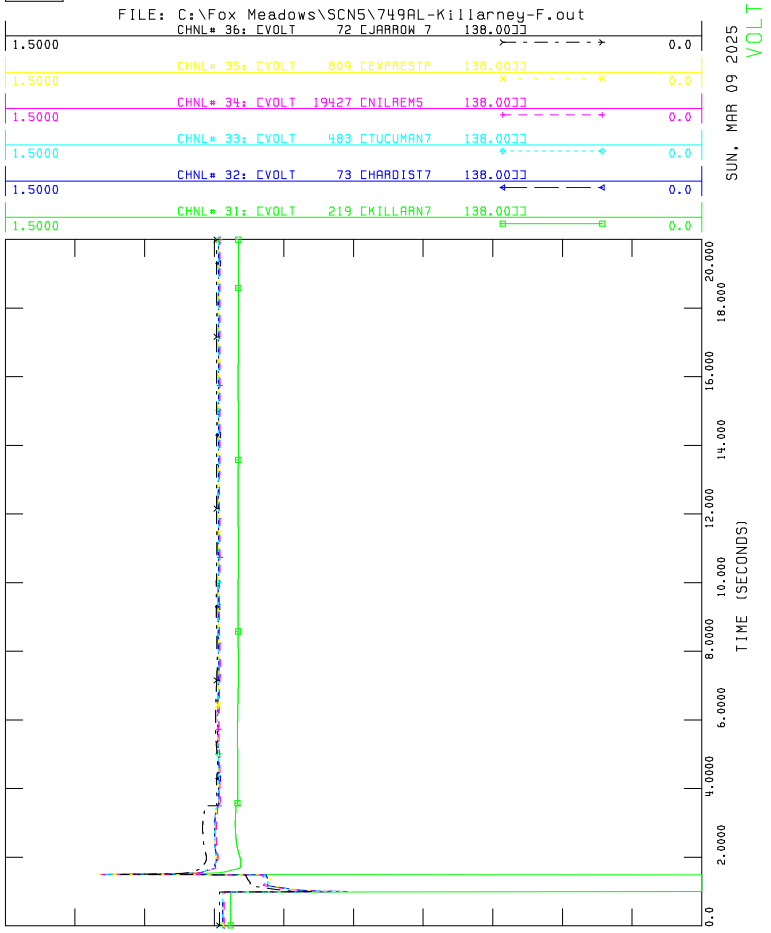
FILE: C:\Fox Meadows\SCN5\749AL-Killarney-F.out



SUN, MAR 09 2025 6:54
ANGLES

AESO ABO FOX MEADOWS-2028 SL
749AL-KILLARNEY-FAR

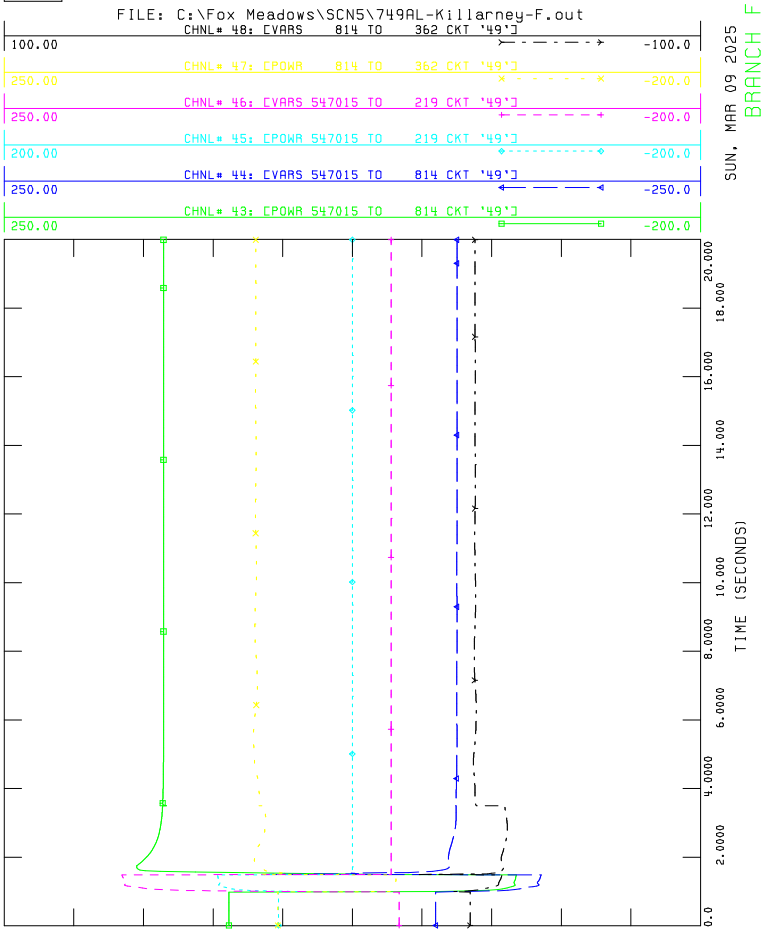
FILE: C:\Fox Meadows\SCN5\749AL-Killarney-F.out



SUN, MAR 09 2025 6:54
VOLTAGE

AESO ABO FOX MEADOWS-2028 SL
749AL-KILLARNEY-FAR

FILE: C:\Fox Meadows\SCN5\749AL-Killarney-F.out



SUN, MAR 09 2025 6:54
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SL
749AL-P2460-NEAR

FILE: C:\Fox Meadows\SCN5\749AL-P2460-N.out

SUN, MAR 09 2025 6:54

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
3.5000 -1.500
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
3.5000 1.0000
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
3.4500 -1.000
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
3.0000 -1.000
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
4.5000 -2.500
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
3.0000 -1.000

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
749AL-P2460-NEAR

FILE: C:\Fox Meadows\SCN5\749AL-P2460-N.out

SUN, MAR 09 2025 6:54

ANGLES

CHNL# 5: CPENG13.8J
300.00 -200.0
CHNL# 4: CNOVA GT1J
200.00 -300.0
CHNL# 3: CHIGH RA9J
0.50000 -0.5000
CHNL# 2: CBAT#4J
200.00 -300.0
CHNL# 1: CSHEER 1J
200.00 -300.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
749AL-P2460-NEAR

FILE: C:\Fox Meadows\SCN5\749AL-P2460-N.out

SUN, MAR 09 2025 6:54

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
1.5000 0.0
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
1.5000 0.0
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
1.5000 0.0
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
1.5000 0.0
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
1.5000 0.0
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ
1.5000 0.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
749AL-P2460-NEAR

FILE: C:\Fox Meadows\SCN5\749AL-P2460-N.out

SUN, MAR 09 2025 6:54

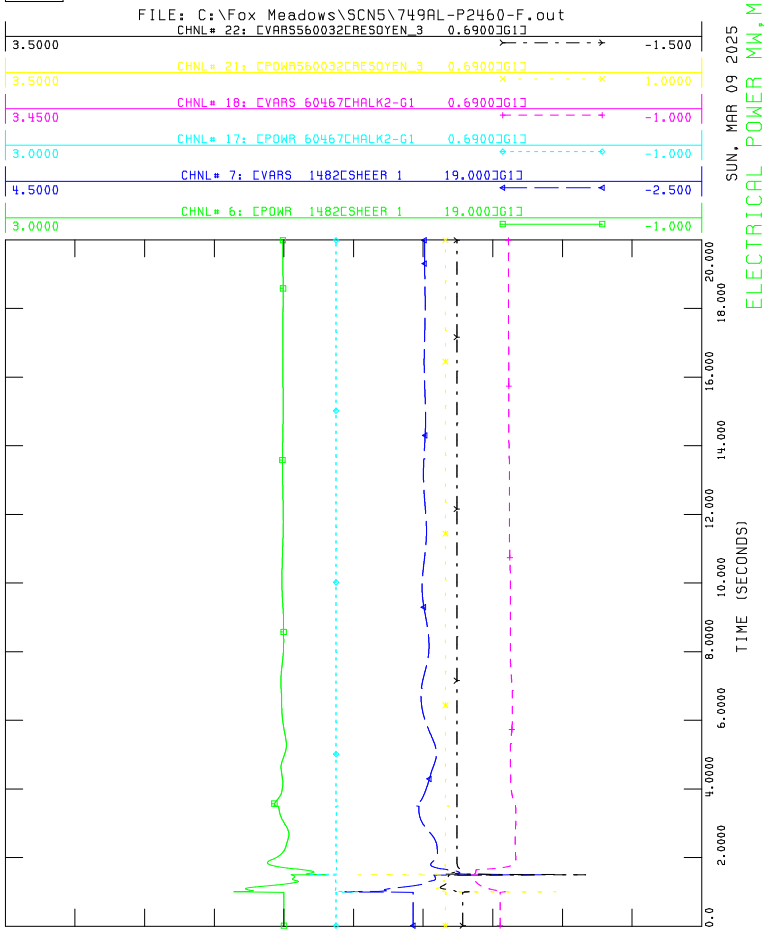
BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
100.00 -100.0
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
200.00 -200.0
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
250.00 -200.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
749AL-P2460-FAR

FILE: C:\Fox Meadows\SCN5\749AL-P2460-F.out

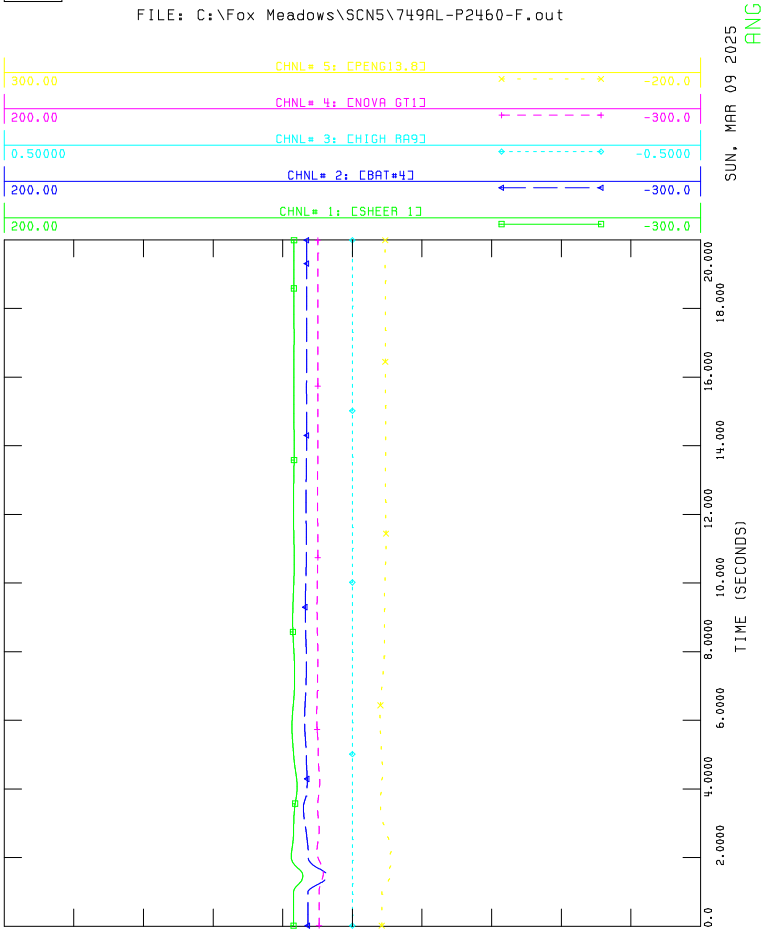


SUN, MAR 09 2025 6:54

ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SL
749AL-P2460-FAR

FILE: C:\Fox Meadows\SCN5\749AL-P2460-F.out

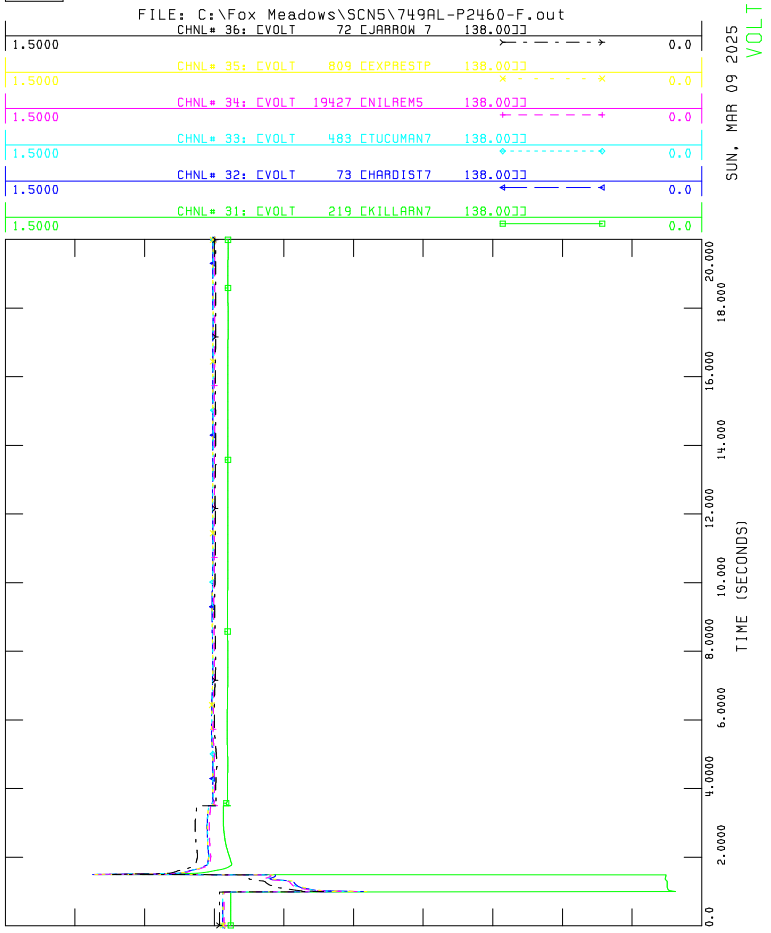


SUN, MAR 09 2025 6:54

ANGLES

AESO ABO FOX MEADOWS-2028 SL
749AL-P2460-FAR

FILE: C:\Fox Meadows\SCN5\749AL-P2460-F.out

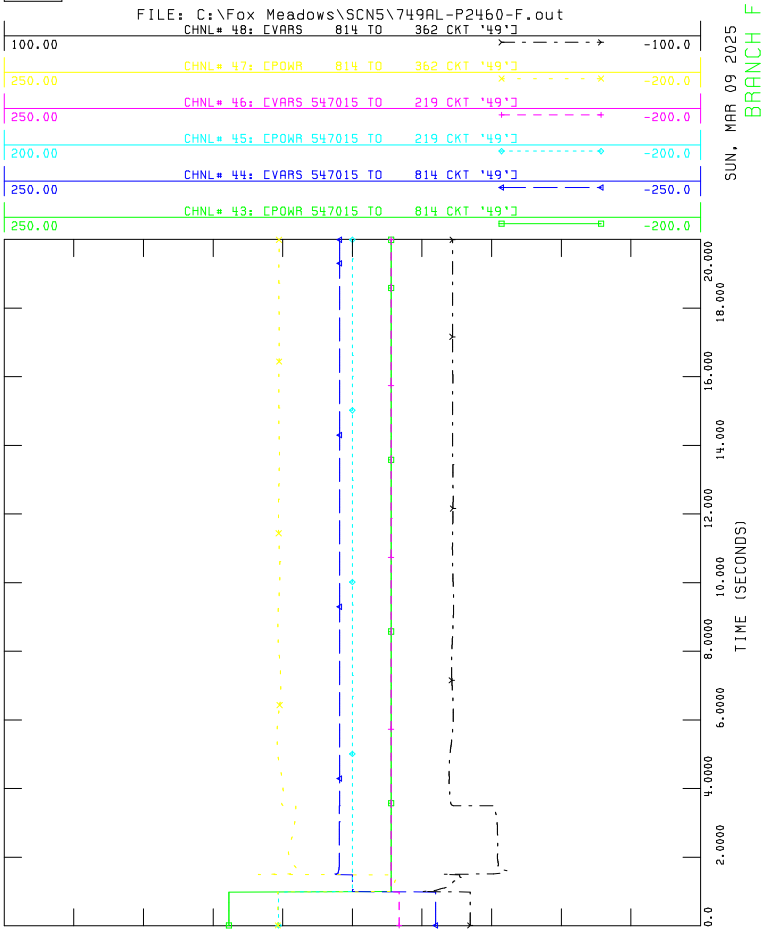


SUN, MAR 09 2025 6:54

VOLTAGE

AESO ABO FOX MEADOWS-2028 SL
749AL-P2460-FAR

FILE: C:\Fox Meadows\SCN5\749AL-P2460-F.out



SUN, MAR 09 2025 6:54

BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SL
748L-KILLARNEY-NEAR

FILE: C:\Fox Meadows\SCN5\748L-Killarney-N.out

SUN, MAR 09 2025 6:54

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
3.5000 -1.500
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
3.5000 1.0000
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
3.4500 -1.000
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
3.0000 -1.000
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
4.5000 -2.500
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
3.0000 -1.000

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
748L-KILLARNEY-NEAR

FILE: C:\Fox Meadows\SCN5\748L-Killarney-N.out

SUN, MAR 09 2025 6:54

ANGLES

CHNL# 5: CPENG13.8J
300.00 -200.0
CHNL# 4: CNOVA GT1J
200.00 -300.0
CHNL# 3: CHIGH RA9J
0.50000 -0.5000
CHNL# 2: CBAT#4J
200.00 -300.0
CHNL# 1: CSHEER 1J
200.00 -300.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
748L-KILLARNEY-NEAR

FILE: C:\Fox Meadows\SCN5\748L-Killarney-N.out

SUN, MAR 09 2025 6:54

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
1.5000 0.0
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
1.5000 0.0
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
1.5000 0.0
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
1.5000 0.0
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
1.5000 0.0
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ
1.5000 0.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
748L-KILLARNEY-NEAR

FILE: C:\Fox Meadows\SCN5\748L-Killarney-N.out

SUN, MAR 09 2025 6:54

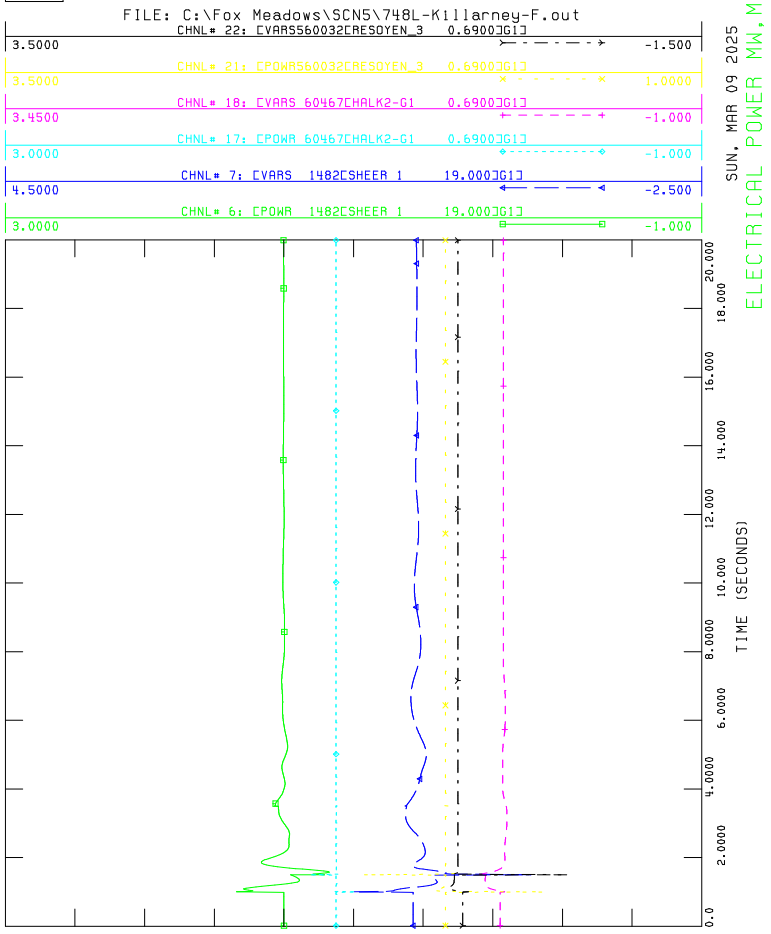
BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
100.00 -100.0
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
200.00 -200.0
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
250.00 -200.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
748L-KILLARNEY-FAR

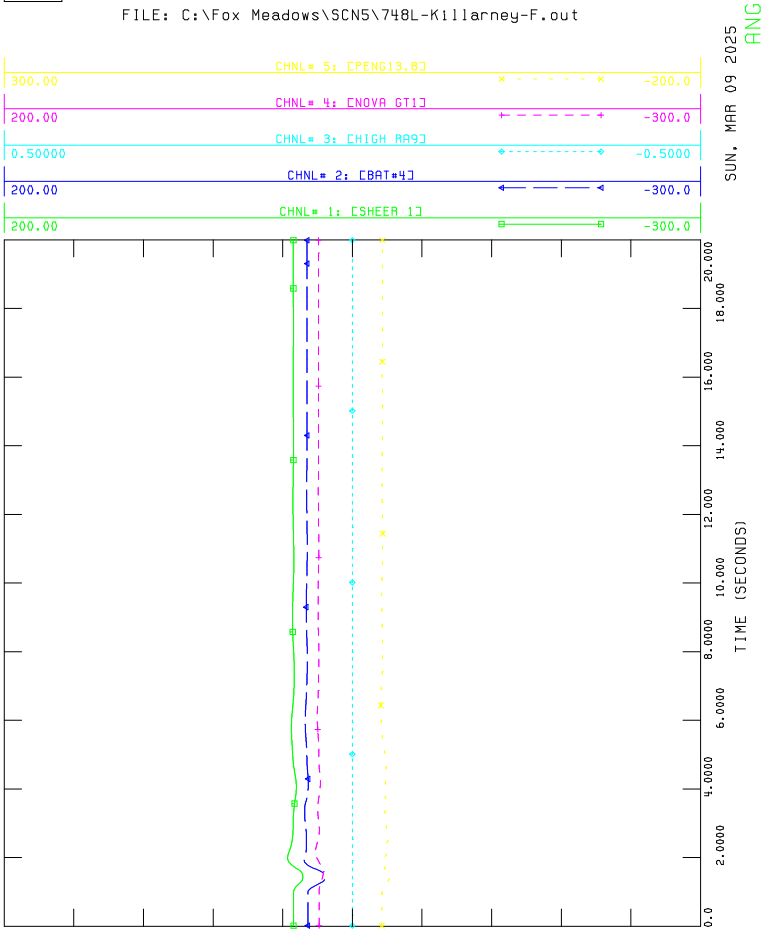
FILE: C:\Fox Meadows\SCN5\748L-Killarney-F.out



SUN, MAR 09 2025 6:54 ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SL
748L-KILLARNEY-FAR

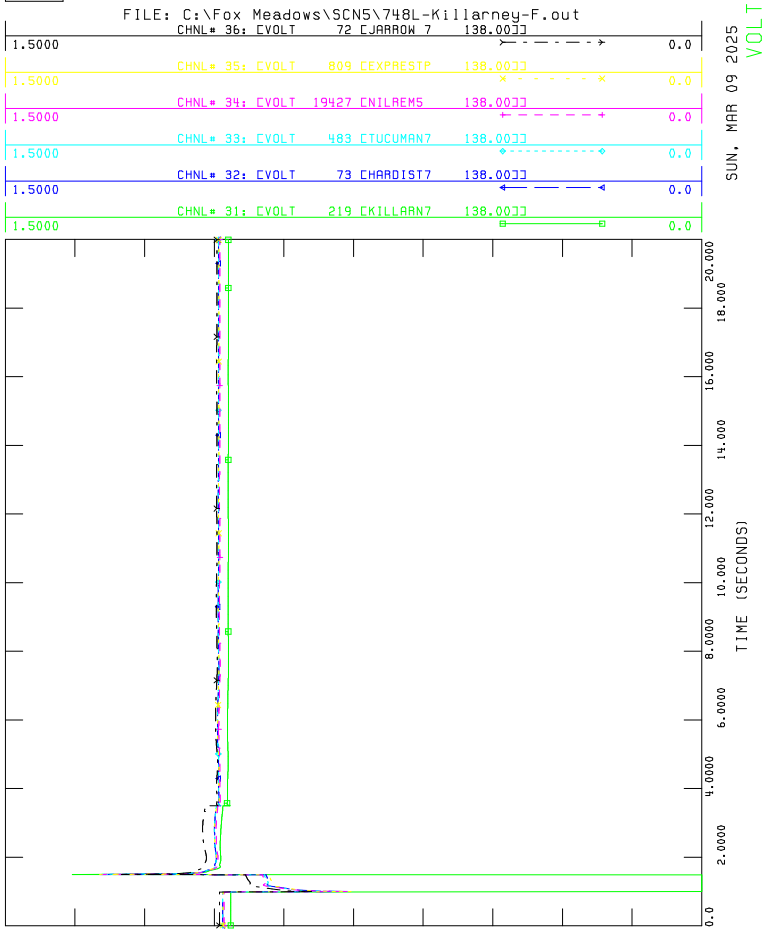
FILE: C:\Fox Meadows\SCN5\748L-Killarney-F.out



SUN, MAR 09 2025 6:54 ANGLES

AESO ABO FOX MEADOWS-2028 SL
748L-KILLARNEY-FAR

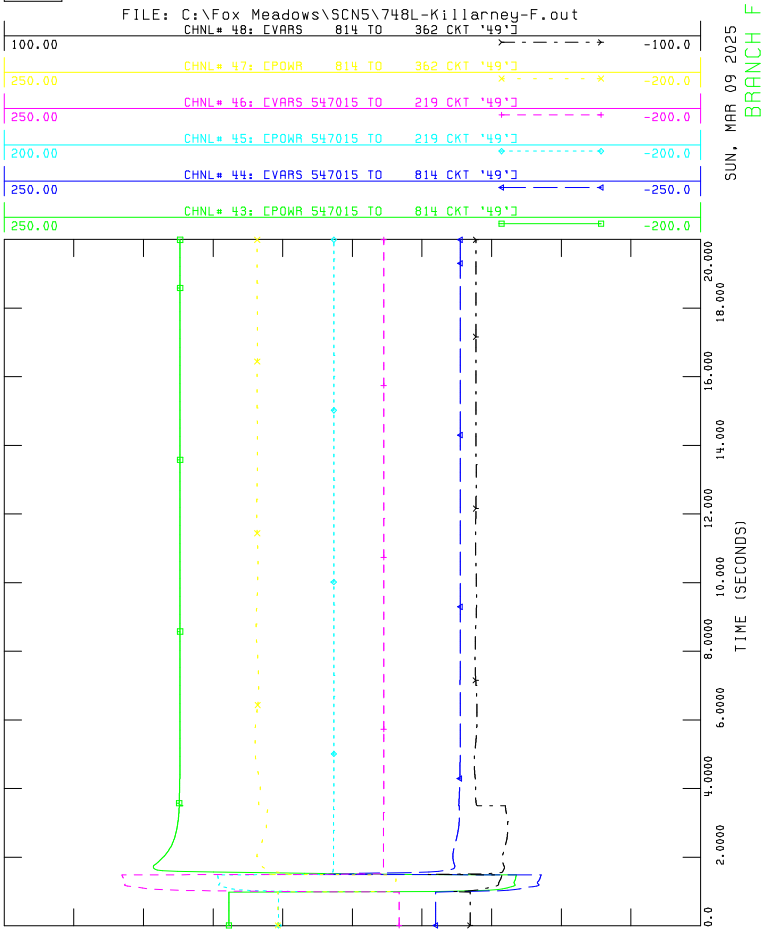
FILE: C:\Fox Meadows\SCN5\748L-Killarney-F.out



SUN, MAR 09 2025 6:54 VOLTAGE

AESO ABO FOX MEADOWS-2028 SL
748L-KILLARNEY-FAR

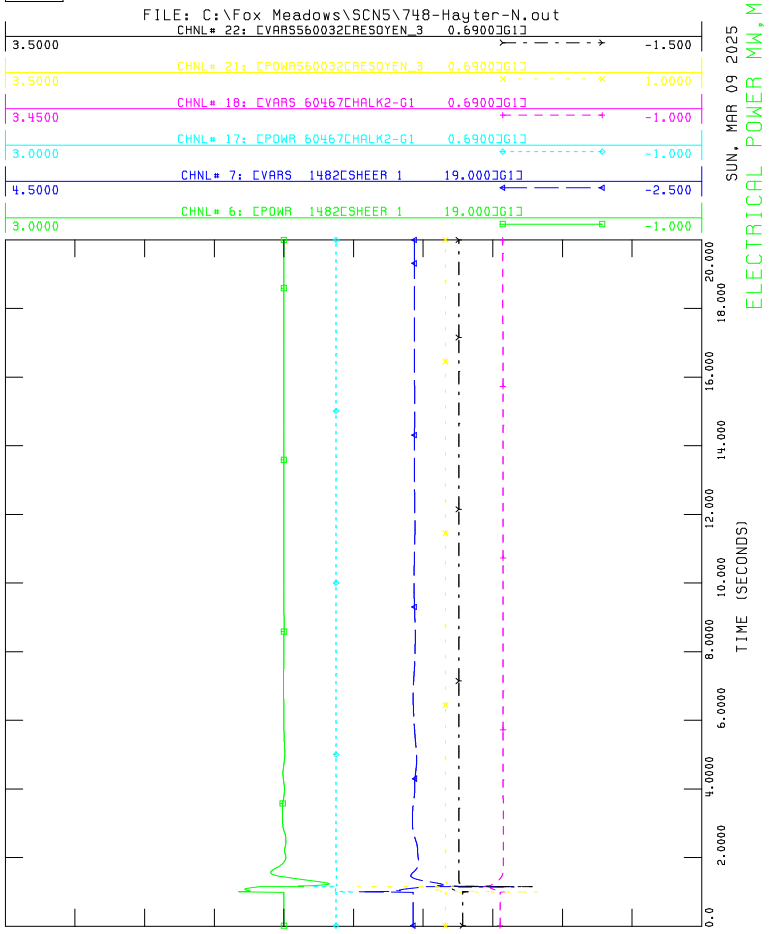
FILE: C:\Fox Meadows\SCN5\748L-Killarney-F.out



SUN, MAR 09 2025 6:54 BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SL
748L-HAYTER-NEAR

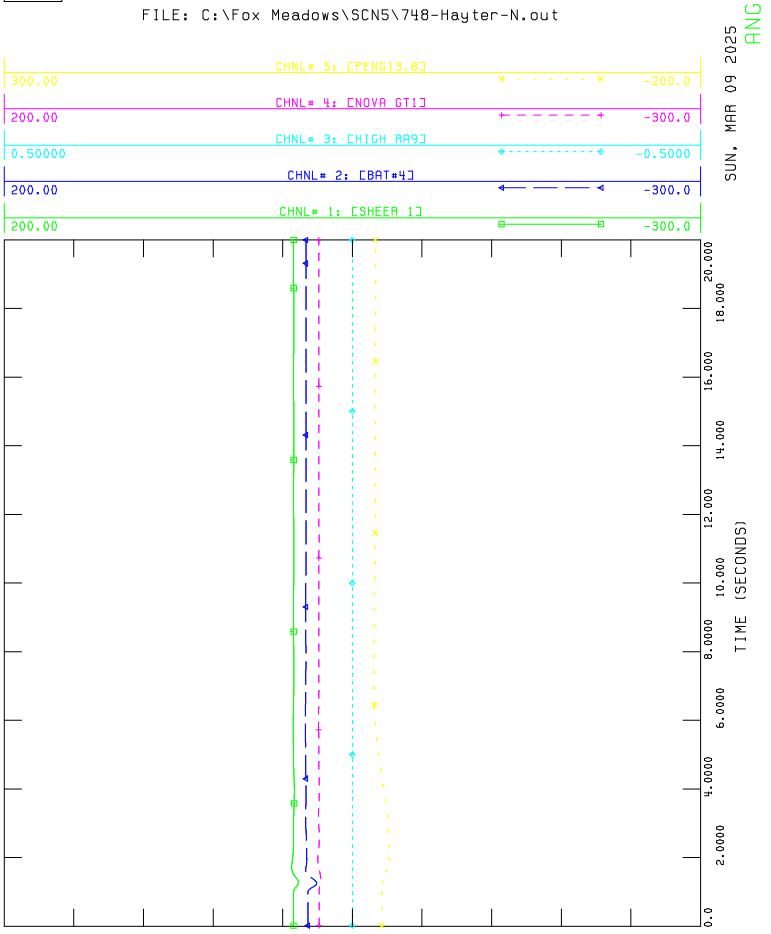
FILE: C:\Fox Meadows\SCN5\748-Hayter-N.out



SUN, MAR 09 2025 6:55
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SL
748L-HAYTER-NEAR

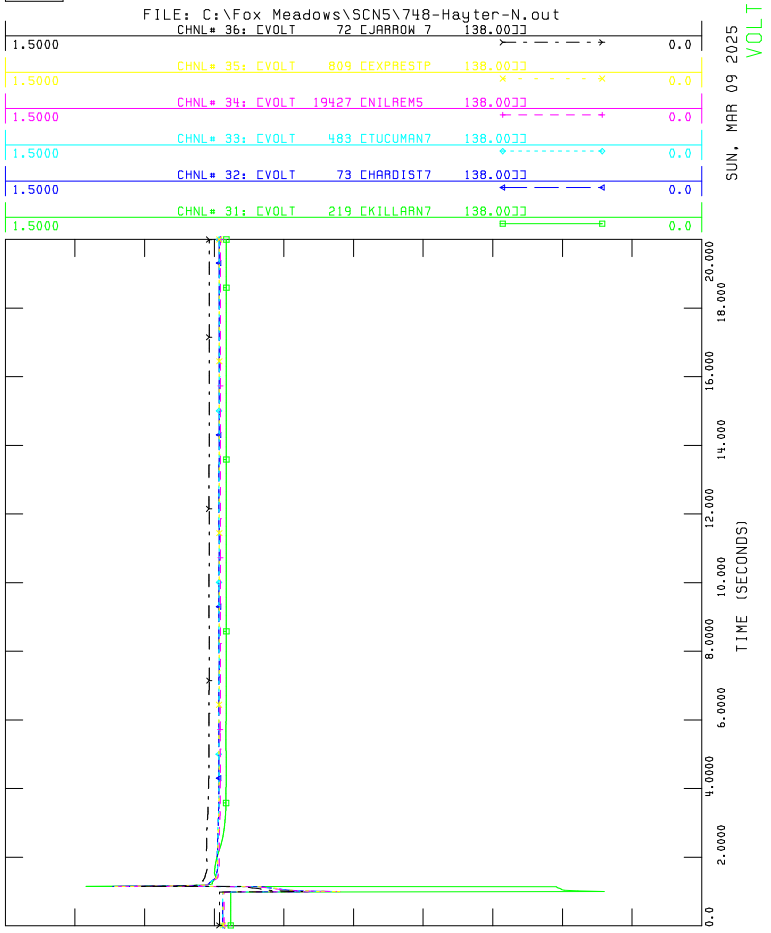
FILE: C:\Fox Meadows\SCN5\748-Hayter-N.out



SUN, MAR 09 2025 6:55
ANGLES

AESO ABO FOX MEADOWS-2028 SL
748L-HAYTER-NEAR

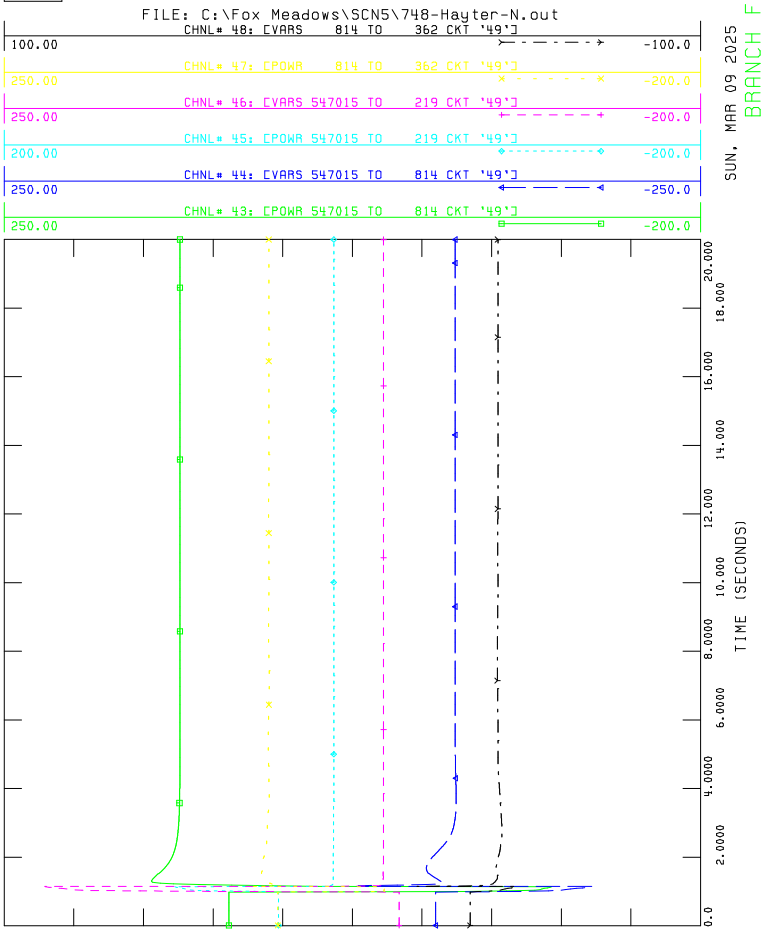
FILE: C:\Fox Meadows\SCN5\748-Hayter-N.out



SUN, MAR 09 2025 6:54
VOLTAGE

AESO ABO FOX MEADOWS-2028 SL
748L-HAYTER-NEAR

FILE: C:\Fox Meadows\SCN5\748-Hayter-N.out



SUN, MAR 09 2025 6:55
BRANCH FLOW

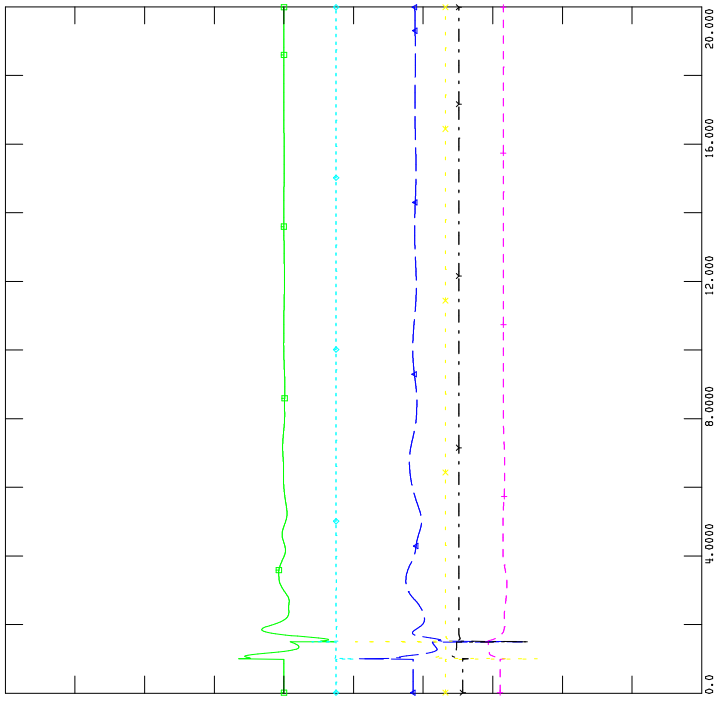
AESO ABO FOX MEADOWS-2028 SL
748L-HAYTER-FAR

FILE: C:\Fox Meadows\SCN5\748-Hayter-F.out

SUN, MAR 09 2025 6:55

ELECTRICAL POWER MW, MVAR

CHNL# 22: EVARS560032ERESOYEN_3 0.6900JG1J
3.5000 -1.500
CHNL# 21: EPOWR560032ERESOYEN_3 0.6900JG1J
3.5000 1.0000
CHNL# 18: EVARS 60467EHALK2-G1 0.6900JG1J
3.4500 -1.000
CHNL# 17: EPOWR 60467EHALK2-G1 0.6900JG1J
3.0000 -1.000
CHNL# 7: EVARS 1482ESHEER 1 19.000JG1J
4.5000 -2.500
CHNL# 6: EPOWR 1482ESHEER 1 19.000JG1J
3.0000 -1.000



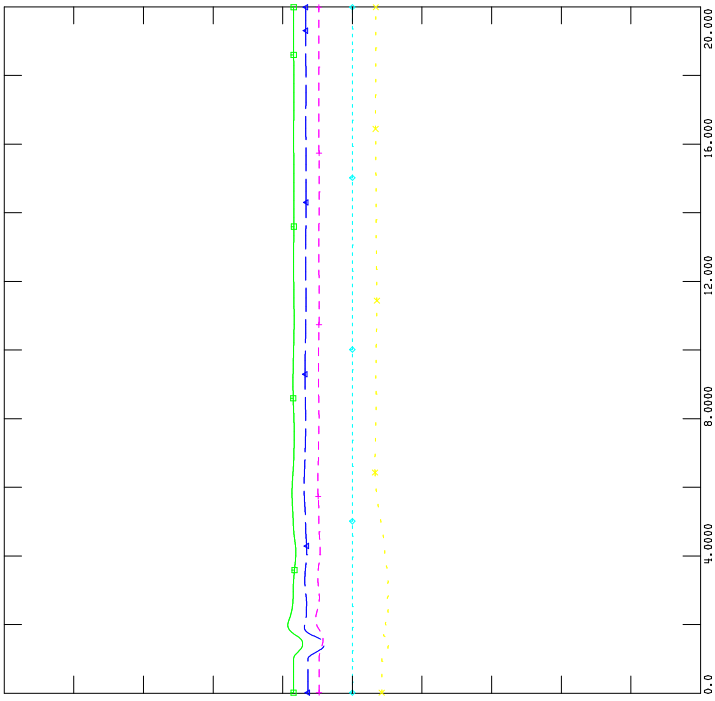
AESO ABO FOX MEADOWS-2028 SL
748L-HAYTER-FAR

FILE: C:\Fox Meadows\SCN5\748-Hayter-F.out

SUN, MAR 09 2025 6:55

ANGLES

CHNL# 5: EPENG13.8J
300.00 -200.0
CHNL# 4: ENOVA GT1J
200.00 -300.0
CHNL# 3: EHIGH RA9J
0.50000 -0.5000
CHNL# 2: EBAT#4J
200.00 -300.0
CHNL# 1: ESHEER 1J
200.00 -300.0



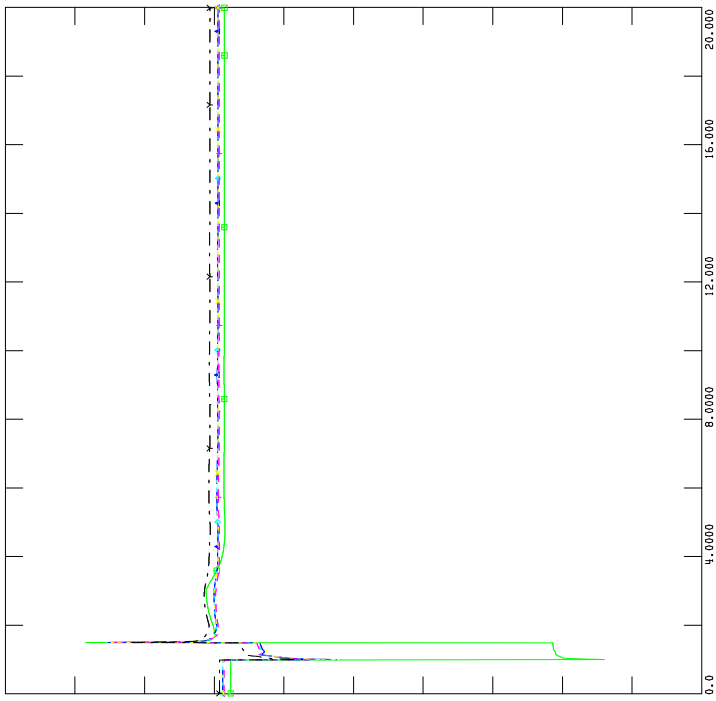
AESO ABO FOX MEADOWS-2028 SL
748L-HAYTER-FAR

FILE: C:\Fox Meadows\SCN5\748-Hayter-F.out

SUN, MAR 09 2025 6:55

VOLTAGE

CHNL# 36: EVOLT 72 EJARROW 7 138.00JJ
1.5000 0.0
CHNL# 35: EVOLT 809 EEXPRESTP 138.00JJ
1.5000 0.0
CHNL# 34: EVOLT 19427 ENILREM5 138.00JJ
1.5000 0.0
CHNL# 33: EVOLT 483 ETUCUMAN7 138.00JJ
1.5000 0.0
CHNL# 32: EVOLT 73 EHARDIST7 138.00JJ
1.5000 0.0
CHNL# 31: EVOLT 219 EKILLARN7 138.00JJ
1.5000 0.0



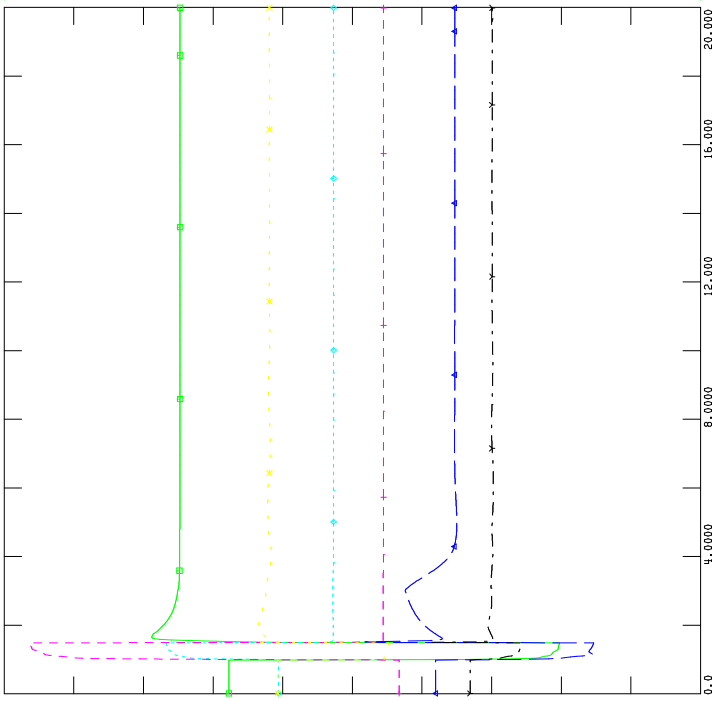
AESO ABO FOX MEADOWS-2028 SL
748L-HAYTER-FAR

FILE: C:\Fox Meadows\SCN5\748-Hayter-F.out

SUN, MAR 09 2025 6:55

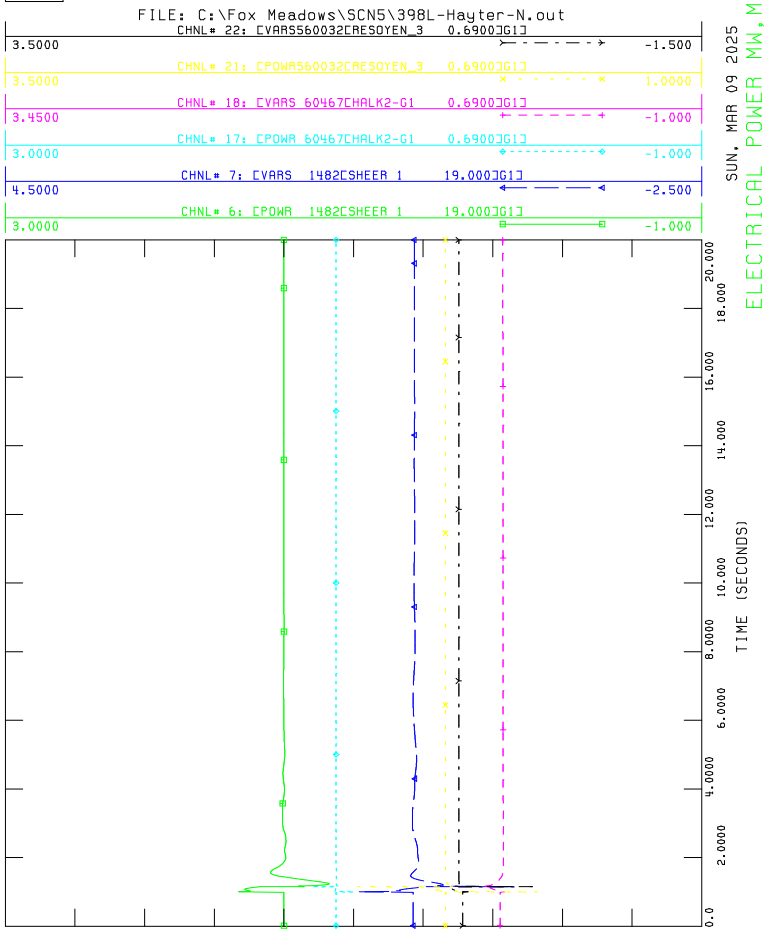
BRANCH FLOW

CHNL# 48: EVARS 814 TO 362 CKT '49'J
100.00 -100.0
CHNL# 47: EPOWR 814 TO 362 CKT '49'J
250.00 -200.0
CHNL# 46: EVARS 547015 TO 219 CKT '49'J
250.00 -200.0
CHNL# 45: EPOWR 547015 TO 219 CKT '49'J
200.00 -200.0
CHNL# 44: EVARS 547015 TO 814 CKT '49'J
250.00 -250.0
CHNL# 43: EPOWR 547015 TO 814 CKT '49'J
250.00 -200.0



AESO ABO FOX MEADOWS-2028 SL
398L-HAYTER-NEAR

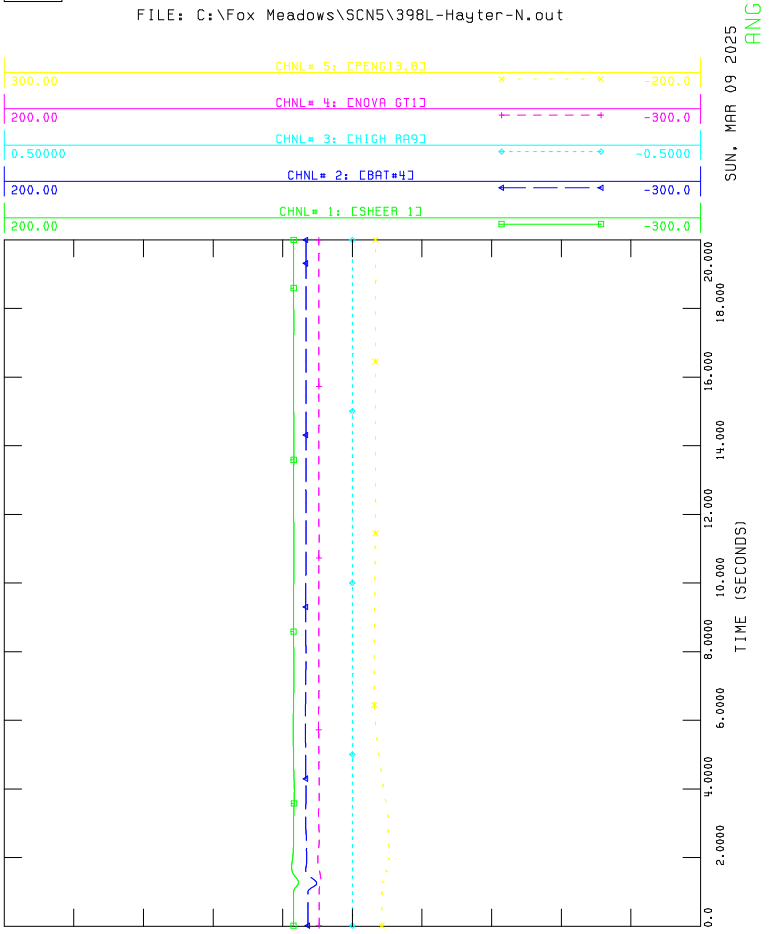
FILE: C:\Fox Meadows\SCN5\398L-Hayter-N.out



SUN, MAR 09 2025 6:55 ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SL
398L-HAYTER-NEAR

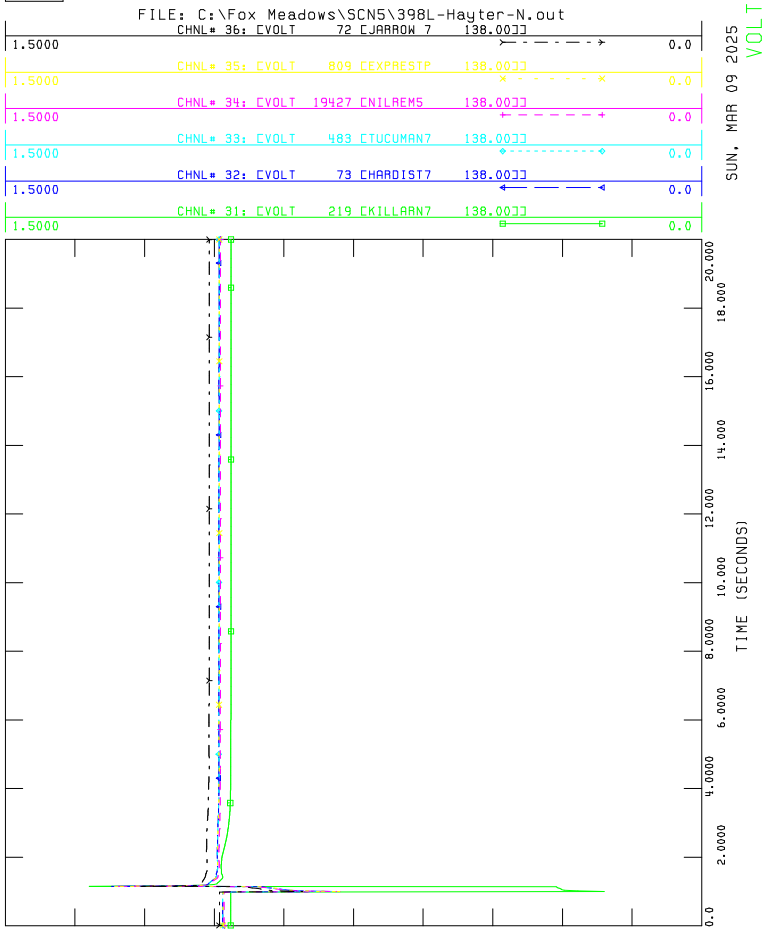
FILE: C:\Fox Meadows\SCN5\398L-Hayter-N.out



SUN, MAR 09 2025 6:55 ANGLES

AESO ABO FOX MEADOWS-2028 SL
398L-HAYTER-NEAR

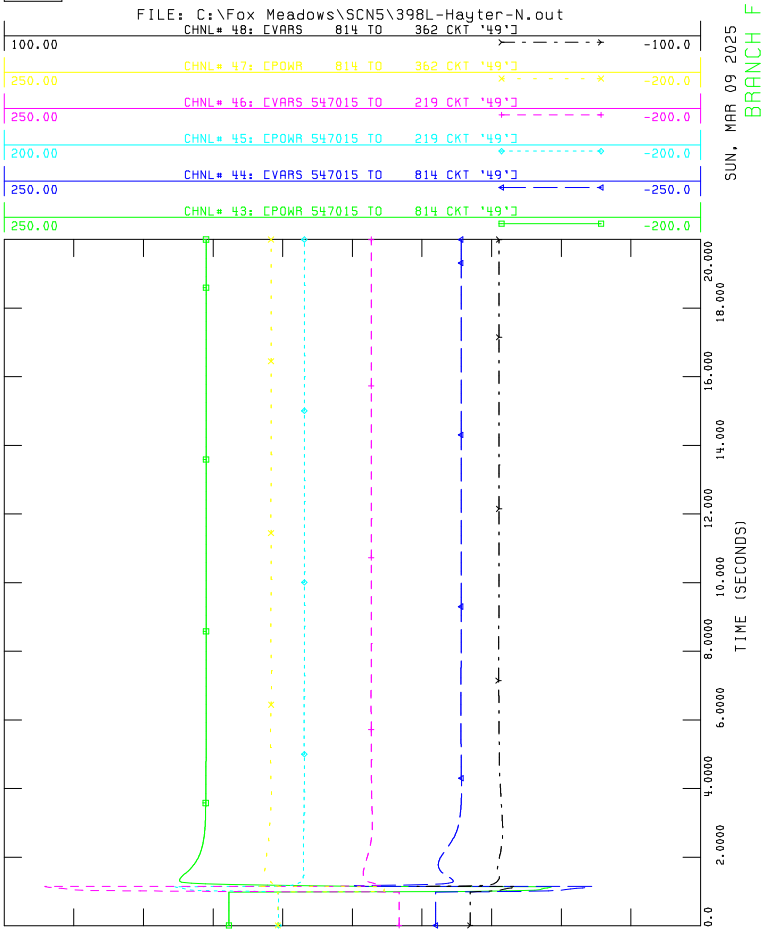
FILE: C:\Fox Meadows\SCN5\398L-Hayter-N.out



SUN, MAR 09 2025 6:55 VOLTAGE

AESO ABO FOX MEADOWS-2028 SL
398L-HAYTER-NEAR

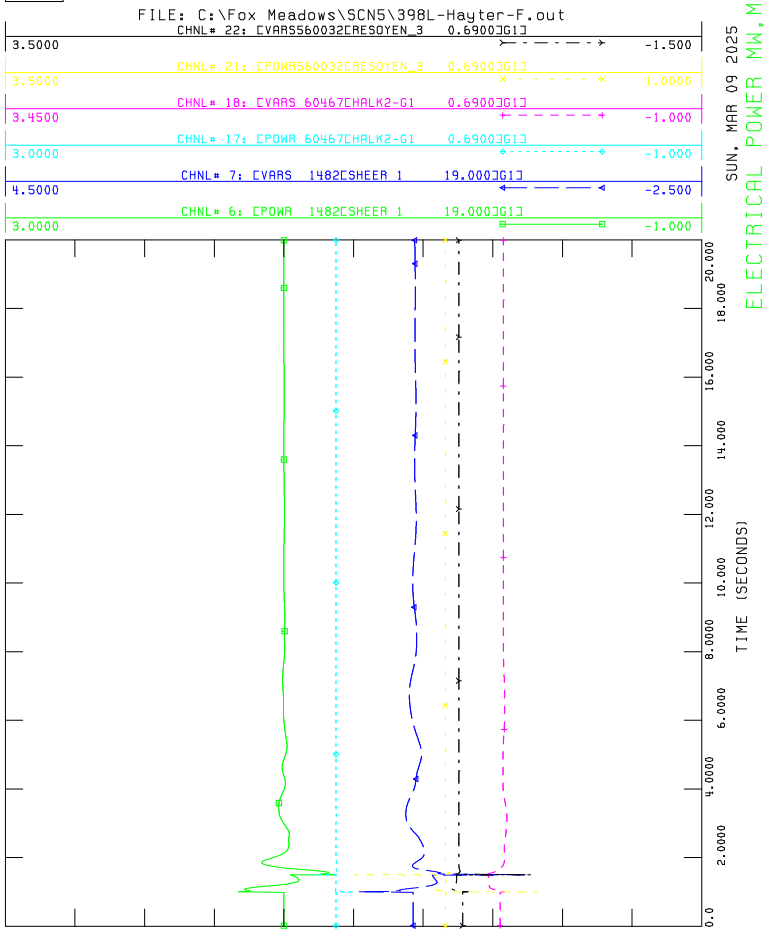
FILE: C:\Fox Meadows\SCN5\398L-Hayter-N.out



SUN, MAR 09 2025 6:55 BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SL
398L-HAYTER-FAR

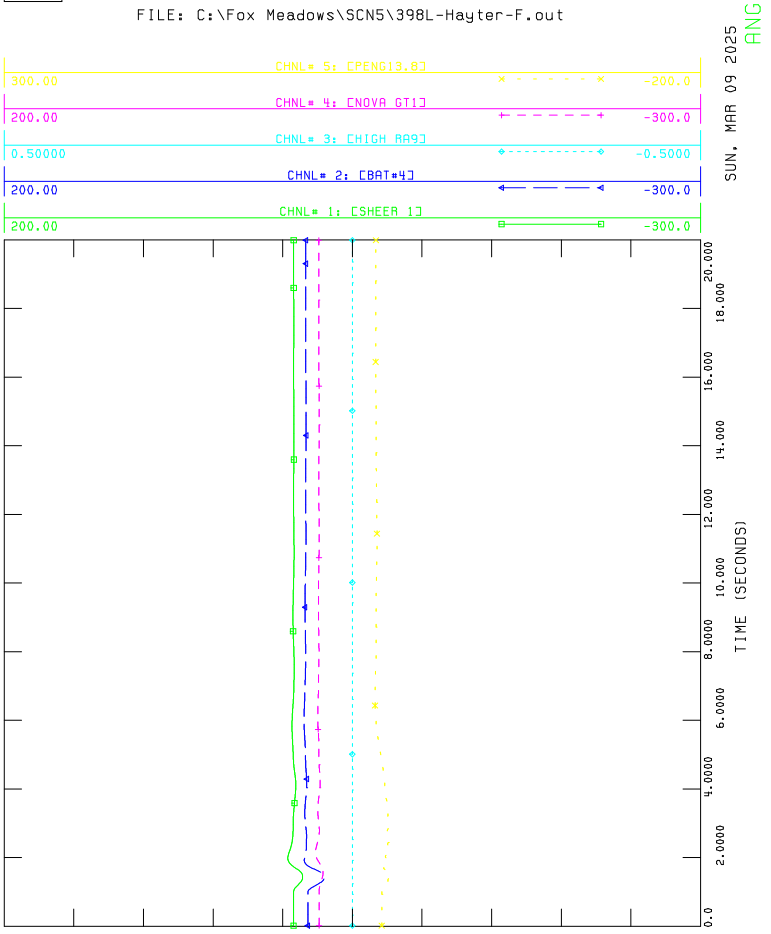
FILE: C:\Fox Meadows\SCN5\398L-Hayter-F.out



SUN, MAR 09 2025 6:55
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SL
398L-HAYTER-FAR

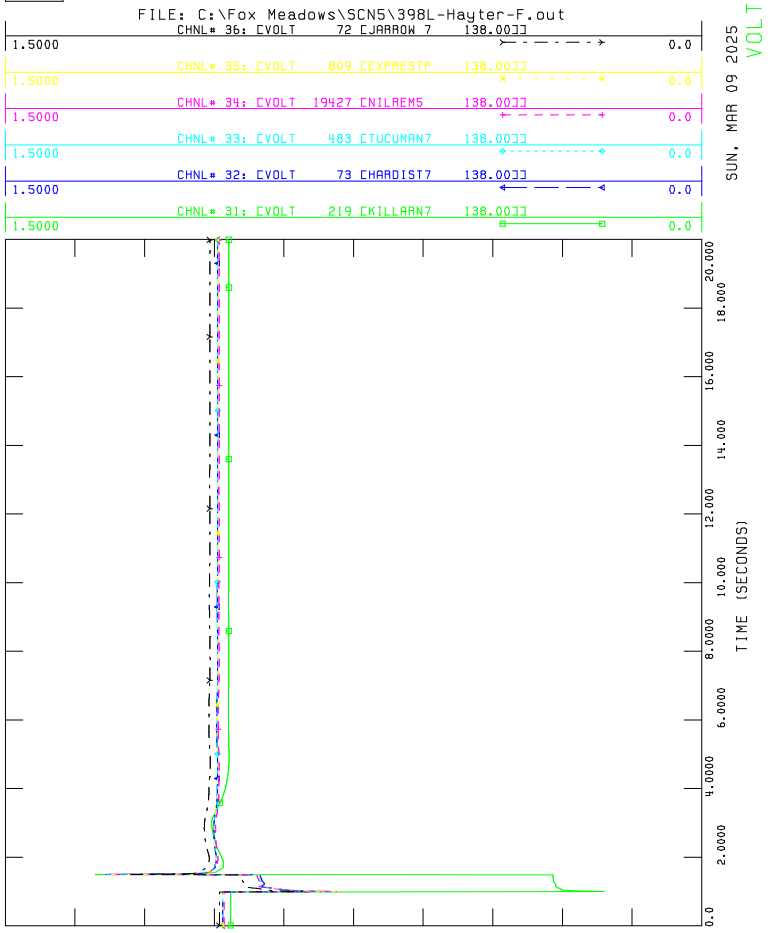
FILE: C:\Fox Meadows\SCN5\398L-Hayter-F.out



SUN, MAR 09 2025 6:55
ANGLES

AESO ABO FOX MEADOWS-2028 SL
398L-HAYTER-FAR

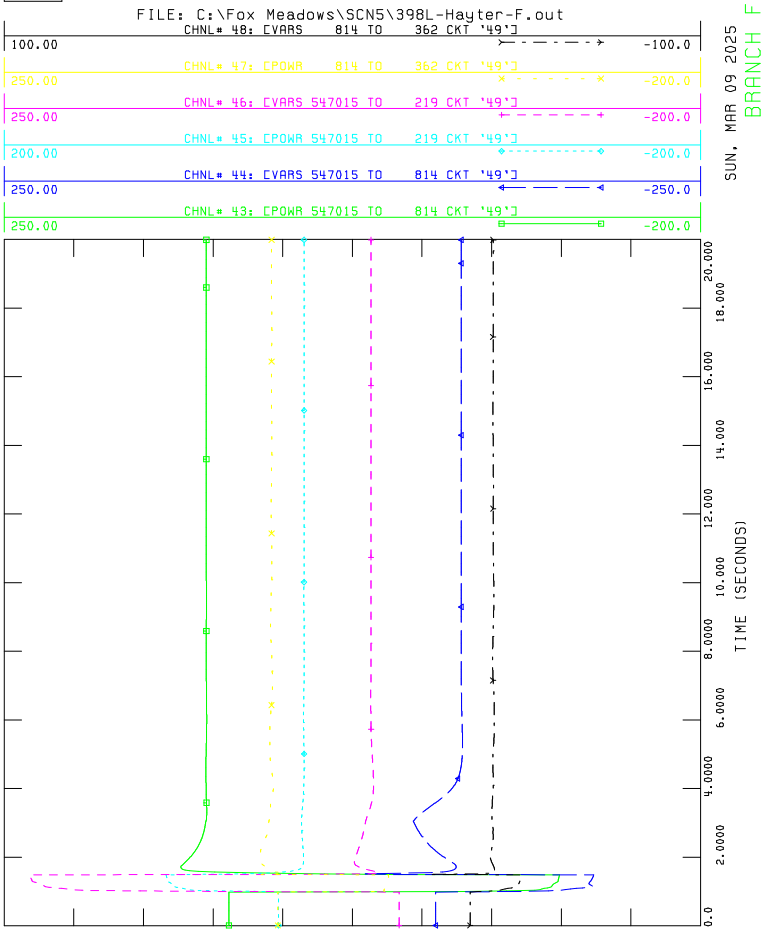
FILE: C:\Fox Meadows\SCN5\398L-Hayter-F.out



SUN, MAR 09 2025 6:55
VOLTAGE

AESO ABO FOX MEADOWS-2028 SL
398L-HAYTER-FAR

FILE: C:\Fox Meadows\SCN5\398L-Hayter-F.out



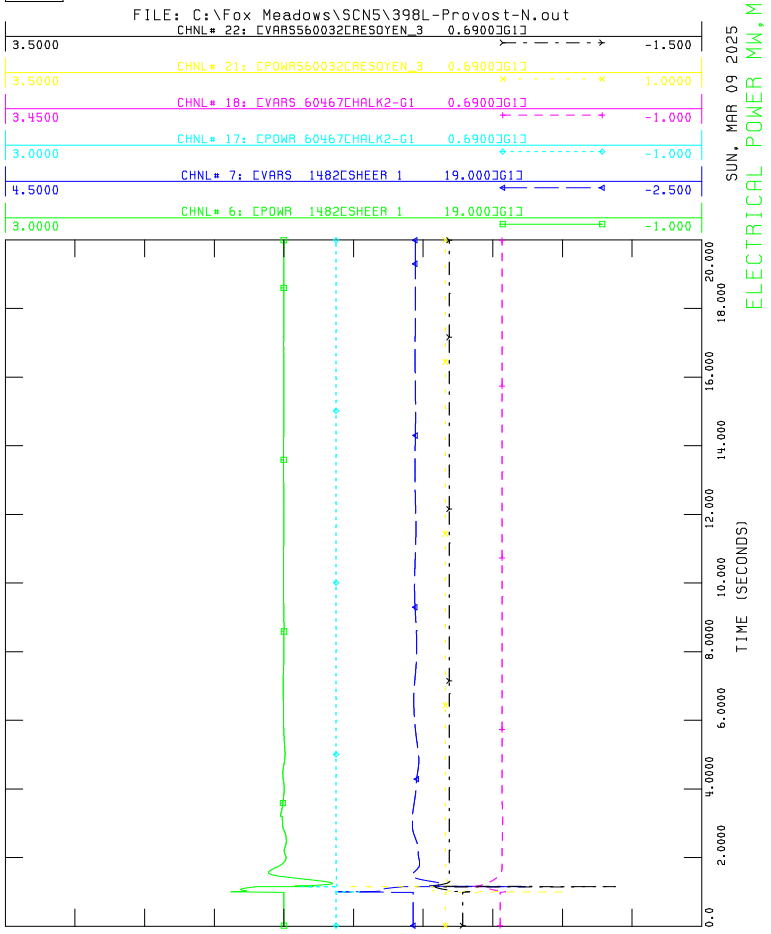
SUN, MAR 09 2025 6:55
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SL
398L-PROVOST-NEAR

FILE: C:\Fox Meadows\SCN5\398L-Provost-N.out

SUN, MAR 09 2025 6:55

ELECTRICAL POWER MW, MVAR

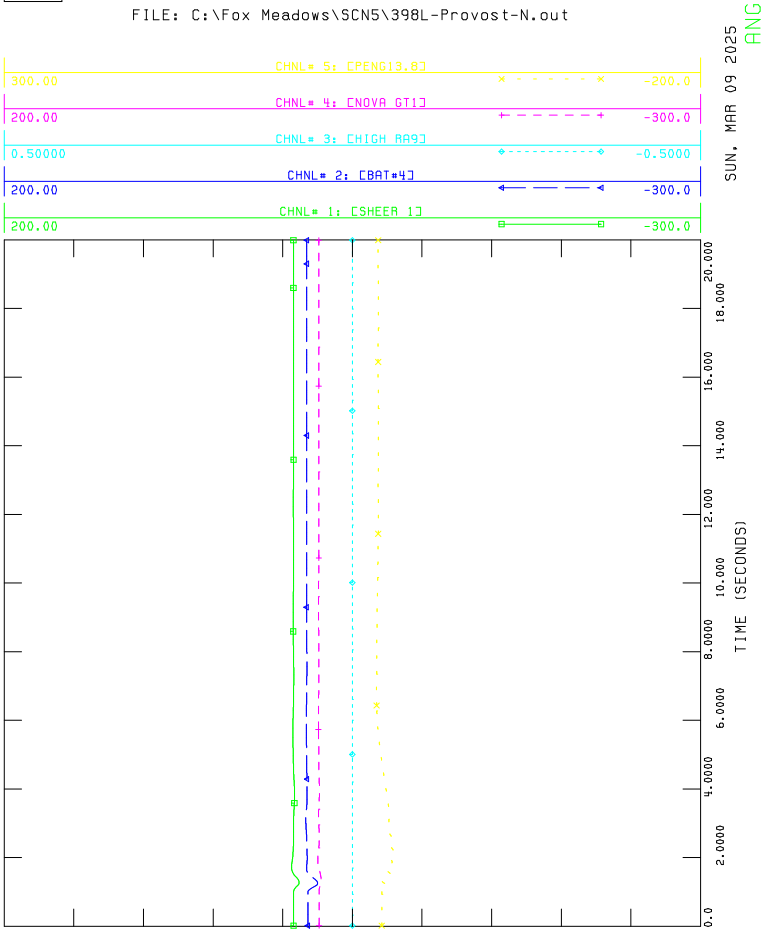


AESO ABO FOX MEADOWS-2028 SL
398L-PROVOST-NEAR

FILE: C:\Fox Meadows\SCN5\398L-Provost-N.out

SUN, MAR 09 2025 6:55

ANGLES

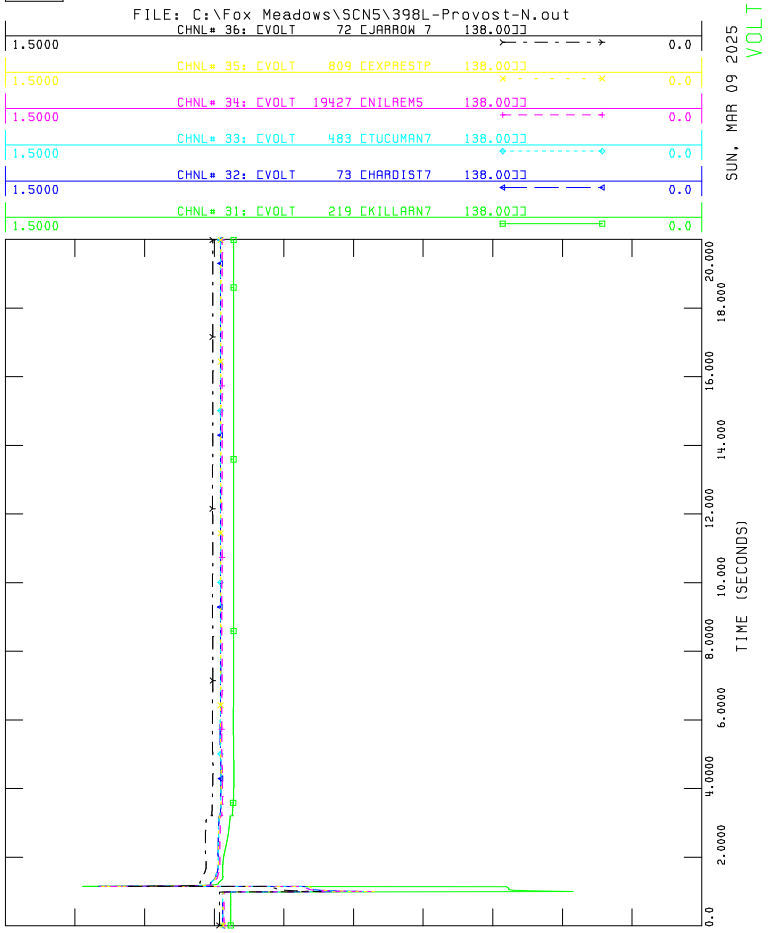


AESO ABO FOX MEADOWS-2028 SL
398L-PROVOST-NEAR

FILE: C:\Fox Meadows\SCN5\398L-Provost-N.out

SUN, MAR 09 2025 6:55

VOLTAGE

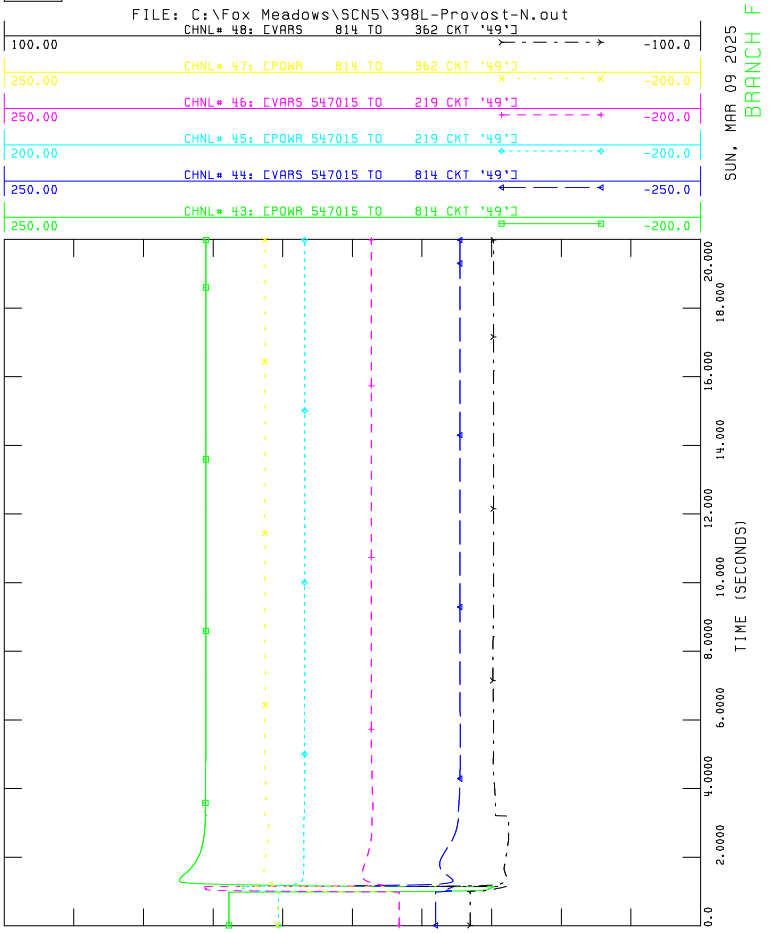


AESO ABO FOX MEADOWS-2028 SL
398L-PROVOST-NEAR

FILE: C:\Fox Meadows\SCN5\398L-Provost-N.out

SUN, MAR 09 2025 6:55

BRANCH FLOW

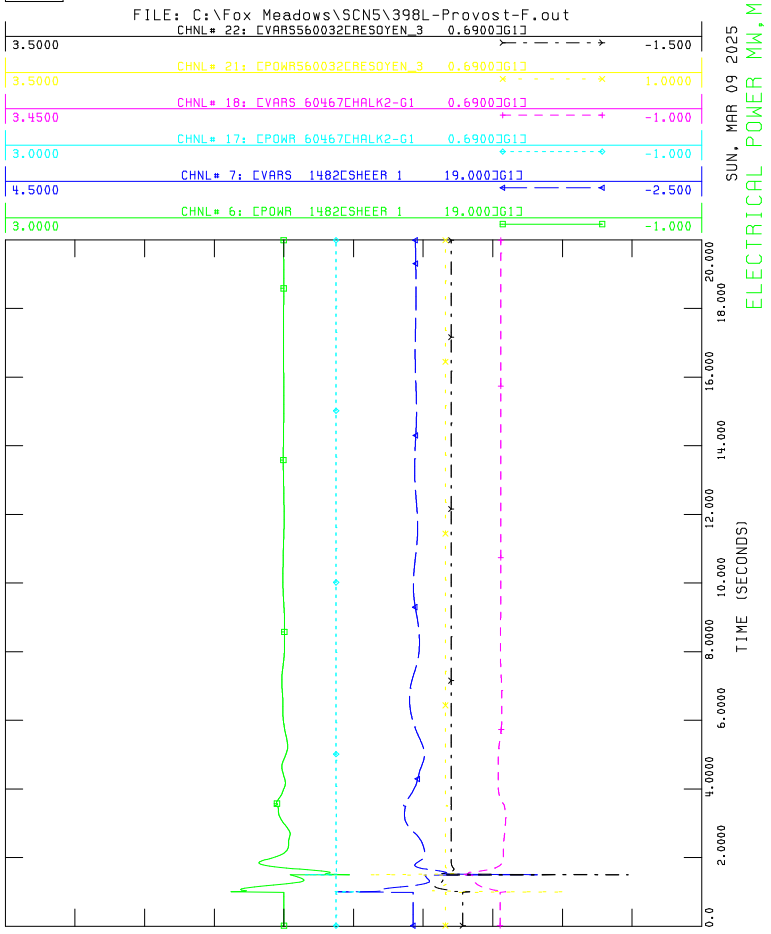


AESO ABO FOX MEADOWS-2028 SL
398L-PROVOST-FAR

FILE: C:\Fox Meadows\SCN5\398L-Provost-F.out

SUN, MAR 09 2025 6:55

ELECTRICAL POWER MW, MVAR

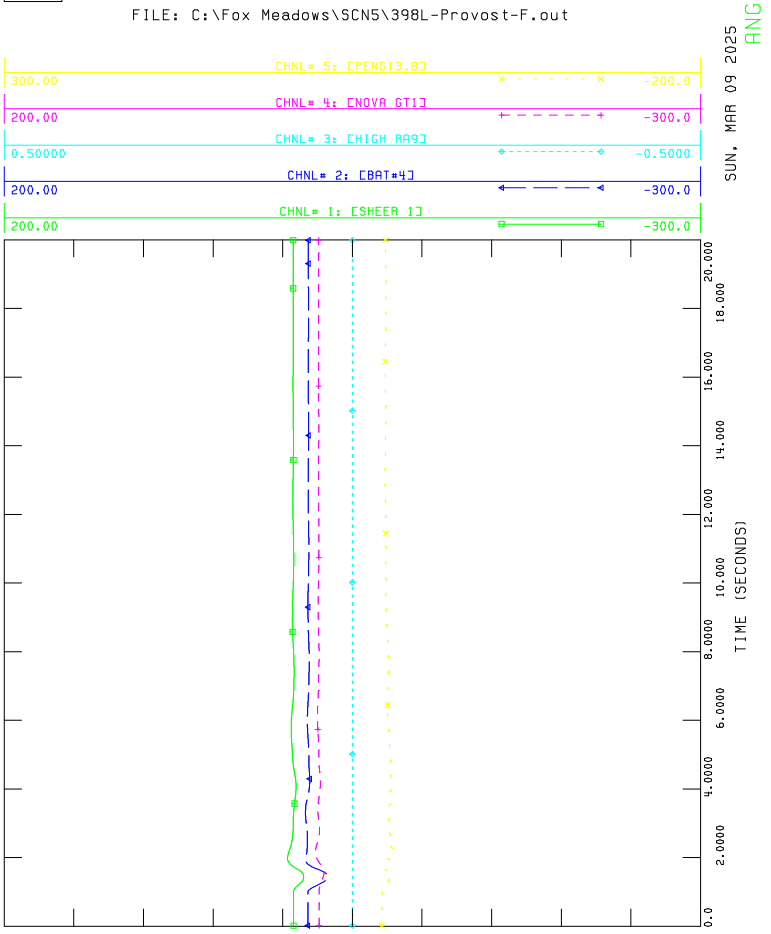


AESO ABO FOX MEADOWS-2028 SL
398L-PROVOST-FAR

FILE: C:\Fox Meadows\SCN5\398L-Provost-F.out

SUN, MAR 09 2025 6:55

ANGLES

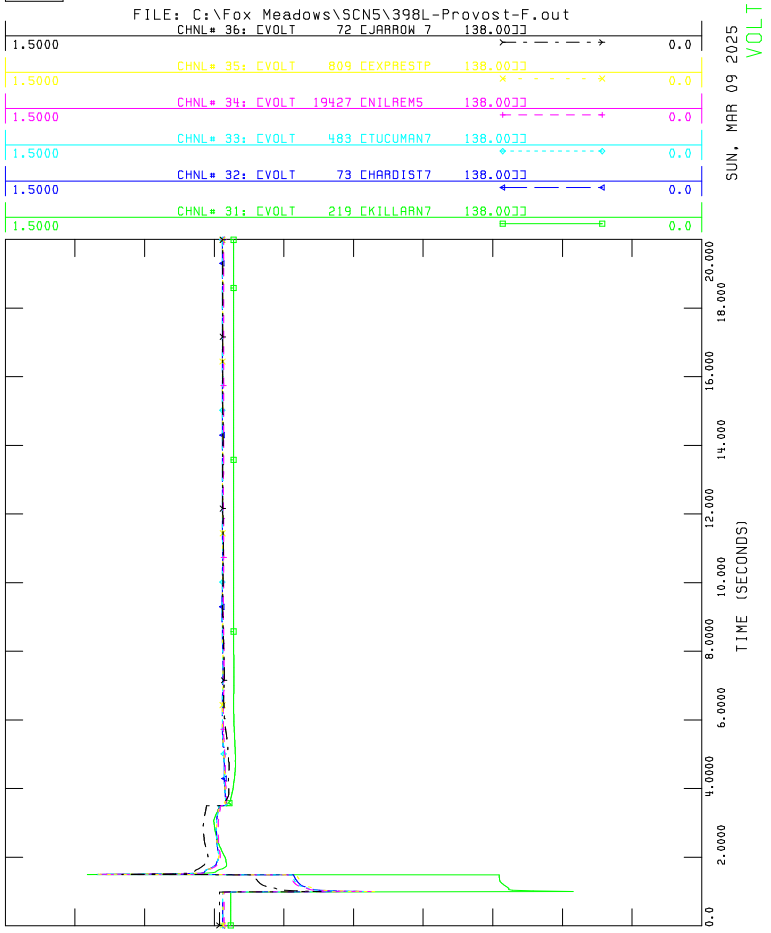


AESO ABO FOX MEADOWS-2028 SL
398L-PROVOST-FAR

FILE: C:\Fox Meadows\SCN5\398L-Provost-F.out

SUN, MAR 09 2025 6:55

VOLTAGE

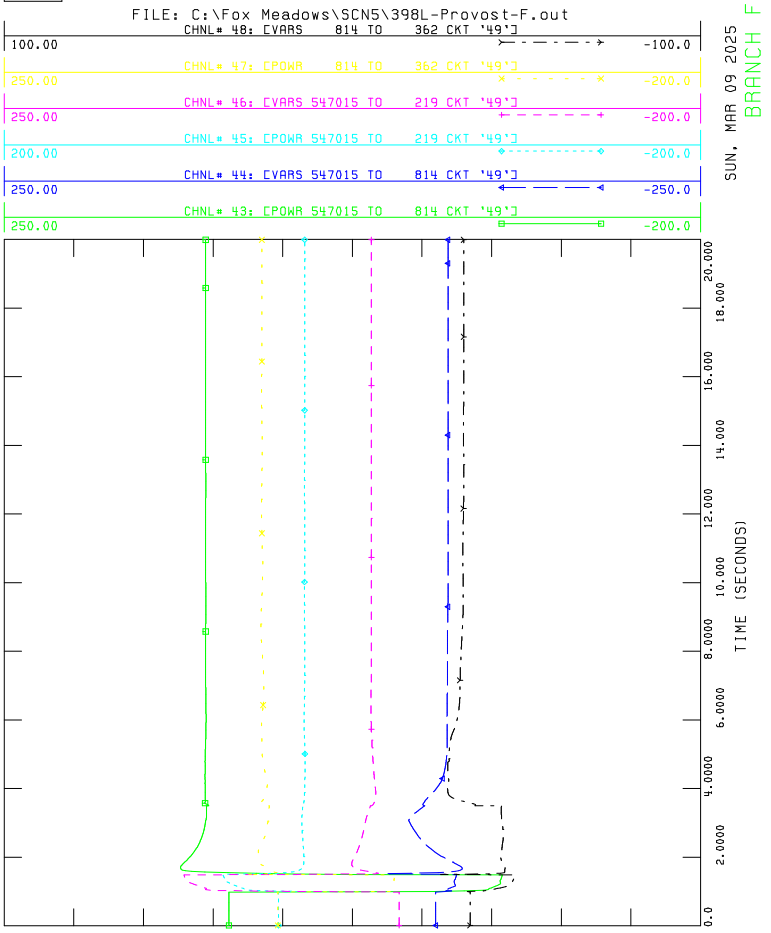


AESO ABO FOX MEADOWS-2028 SL
398L-PROVOST-FAR

FILE: C:\Fox Meadows\SCN5\398L-Provost-F.out

SUN, MAR 09 2025 6:55

BRANCH FLOW



AESO ABO FOX MEADOWS-2028 SL
681L-TUCUMAN-NEAR

FILE: C:\Fox Meadows\SCN5\681L-Tucuman-N.out

SUN, MAR 09 2025 6:55

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
3.5000 -1.500
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
3.5000 1.0000
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
3.4500 -1.000
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
3.0000 -1.000
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
4.5000 -2.500
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
3.0000 -1.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SL
681L-TUCUMAN-NEAR

FILE: C:\Fox Meadows\SCN5\681L-Tucuman-N.out

SUN, MAR 09 2025 6:55

ANGLES

CHNL# 5: CPENG13.8J
300.00 -200.0
CHNL# 4: CNOVA GT1J
200.00 -300.0
CHNL# 3: CHIGH RA9J
0.50000 -0.5000
CHNL# 2: CBAT#4J
200.00 -300.0
CHNL# 1: CSHEER 1J
200.00 -300.0

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SL
681L-TUCUMAN-NEAR

FILE: C:\Fox Meadows\SCN5\681L-Tucuman-N.out

SUN, MAR 09 2025 6:55

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
1.5000 0.0
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
1.5000 0.0
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
1.5000 0.0
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
1.5000 0.0
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
1.5000 0.0
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ
1.5000 0.0

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SL
681L-TUCUMAN-NEAR

FILE: C:\Fox Meadows\SCN5\681L-Tucuman-N.out

SUN, MAR 09 2025 6:55

BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
100.00 -100.0
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
200.00 -200.0
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
250.00 -200.0

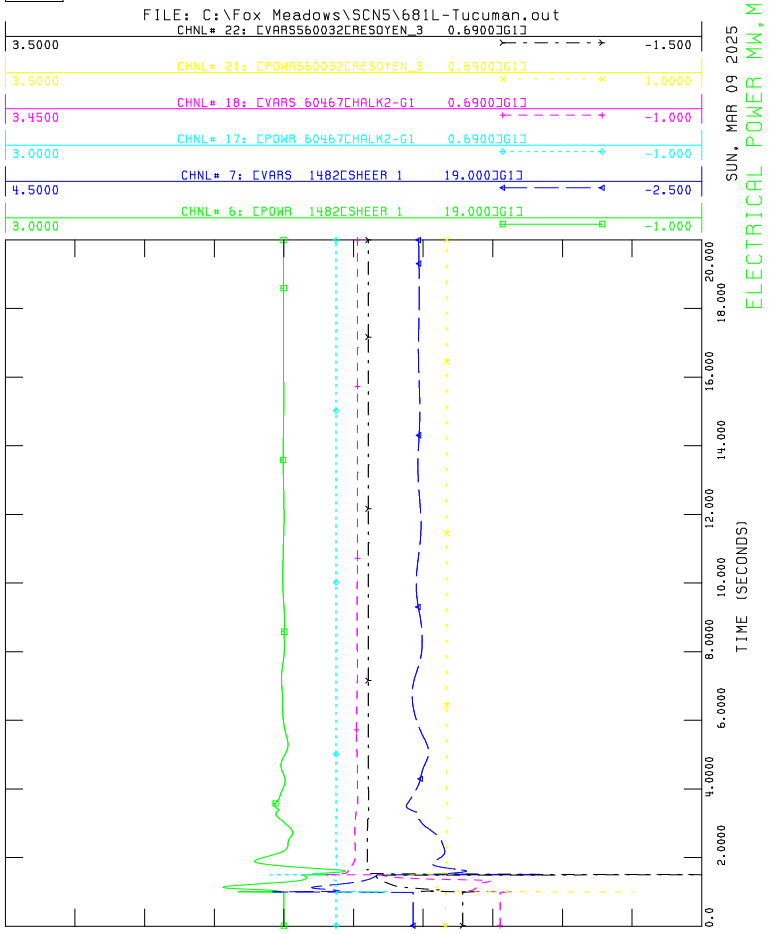
TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SL
681L-TUCUMAN-FAR

FILE: C:\Fox Meadows\SCN5\681L-Tucuman.out

SUN, MAR 09 2025 6:55

ELECTRICAL POWER MW, MVAR

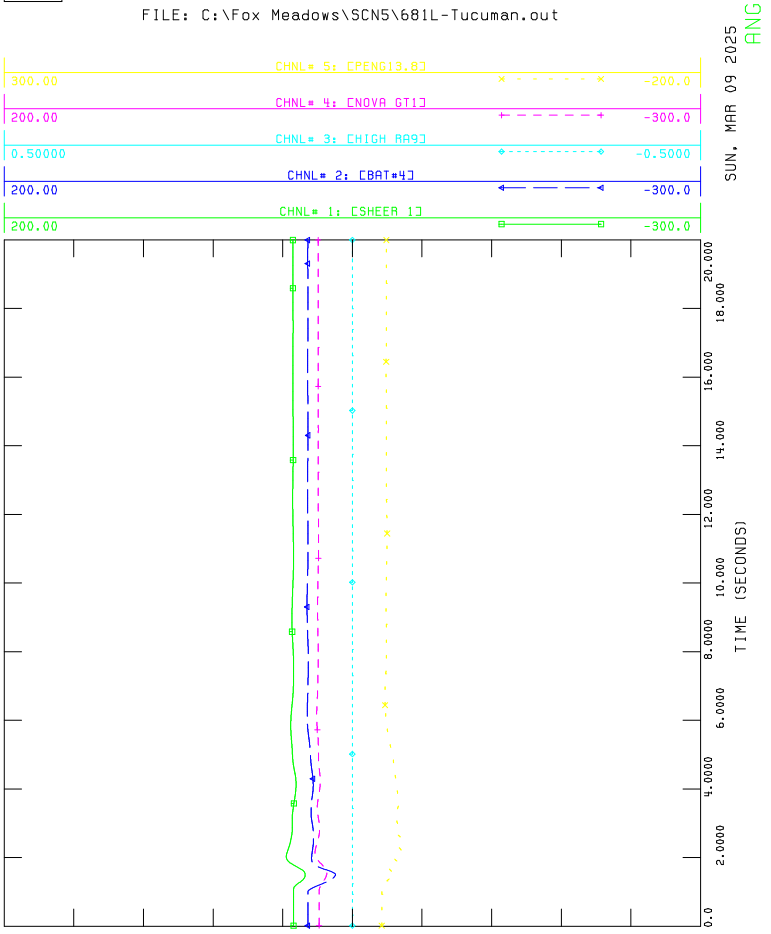


AESO ABO FOX MEADOWS-2028 SL
681L-TUCUMAN-FAR

FILE: C:\Fox Meadows\SCN5\681L-Tucuman.out

SUN, MAR 09 2025 6:55

ANGLES

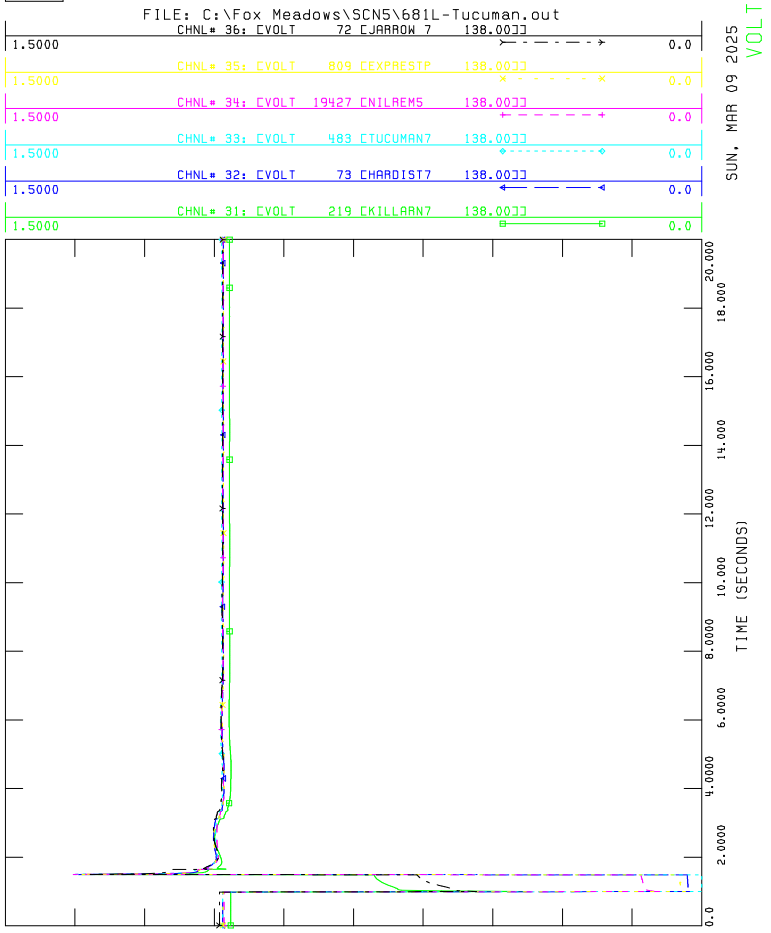


AESO ABO FOX MEADOWS-2028 SL
681L-TUCUMAN-FAR

FILE: C:\Fox Meadows\SCN5\681L-Tucuman.out

SUN, MAR 09 2025 6:55

VOLTAGE

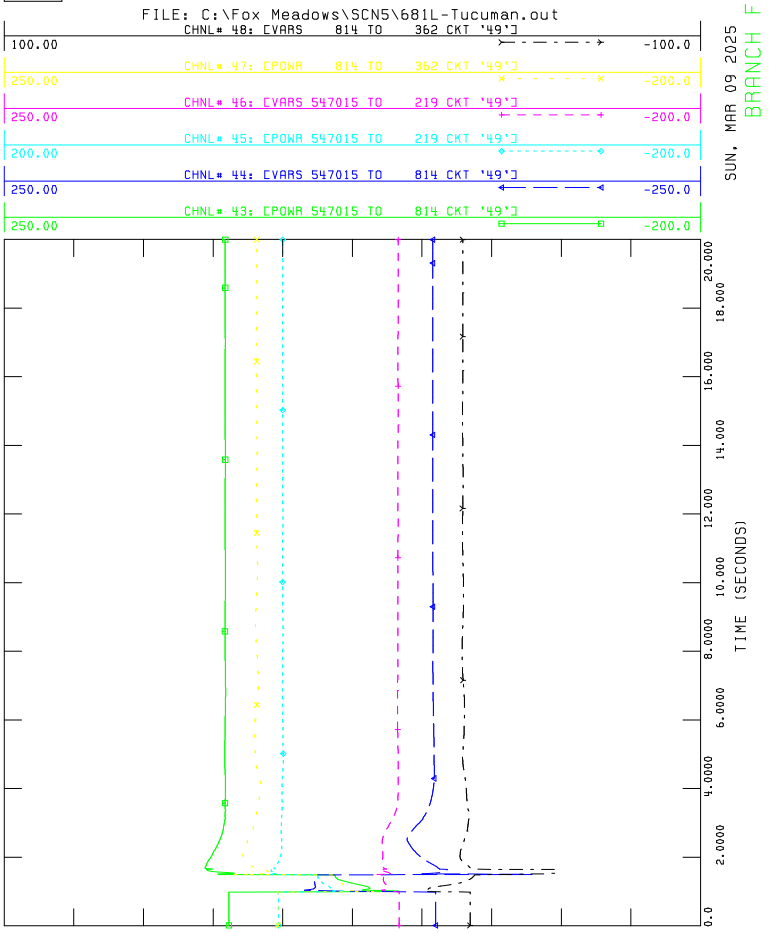


AESO ABO FOX MEADOWS-2028 SL
681L-TUCUMAN-FAR

FILE: C:\Fox Meadows\SCN5\681L-Tucuman.out

SUN, MAR 09 2025 6:55

BRANCH FLOW



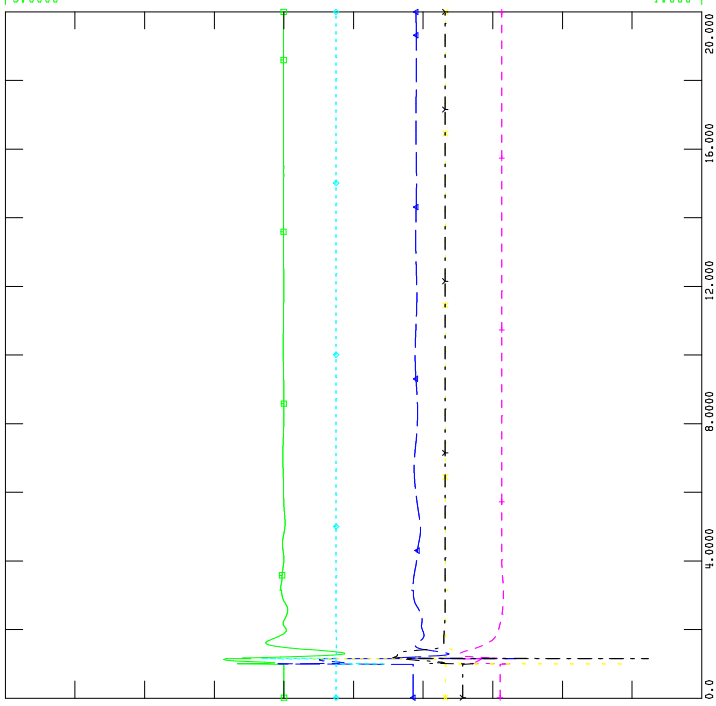
AESO ABO FOX MEADOWS-2028 SL
681L-HARDISTY-NEAR

FILE: C:\Fox Meadows\SCN5\681L-Hardisty-N.out

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
3.5000 -1.500
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
3.5000 1.0000
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
3.4500 -1.000
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
3.0000 -1.000
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
4.5000 -2.500
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
3.0000 -1.000

SUN, MAR 09 2025 6:55
ELECTRICAL POWER MW, MVAR

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000
TIME (SECONDS)



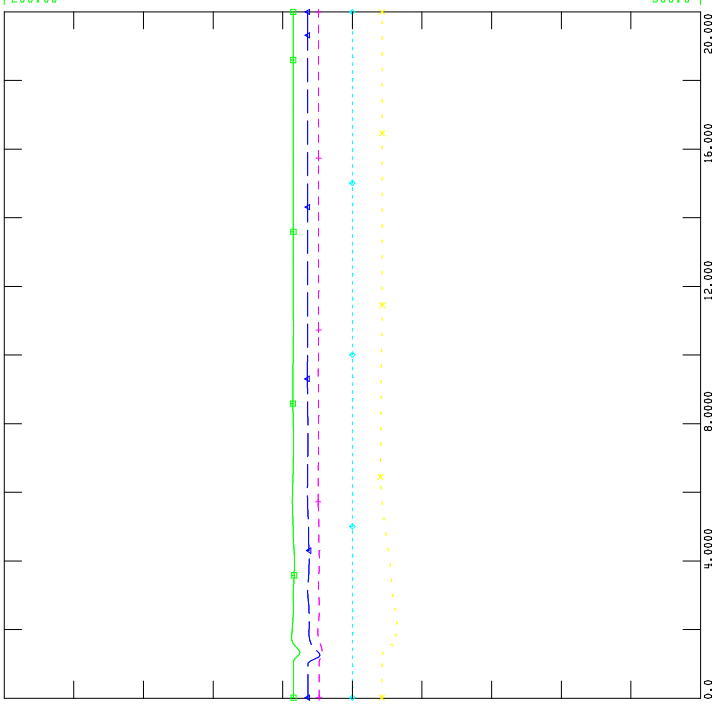
AESO ABO FOX MEADOWS-2028 SL
681L-HARDISTY-NEAR

FILE: C:\Fox Meadows\SCN5\681L-Hardisty-N.out

CHNL# 5: CPENG13.8J
300.00 -200.0
CHNL# 4: CNOVA GT1J
200.00 -300.0
CHNL# 3: CHIGH RA9J
0.50000 -0.5000
CHNL# 2: CBAT#4J
200.00 -300.0
CHNL# 1: CSHEER 1J
200.00 -300.0

SUN, MAR 09 2025 6:55
ANGLES

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000
TIME (SECONDS)



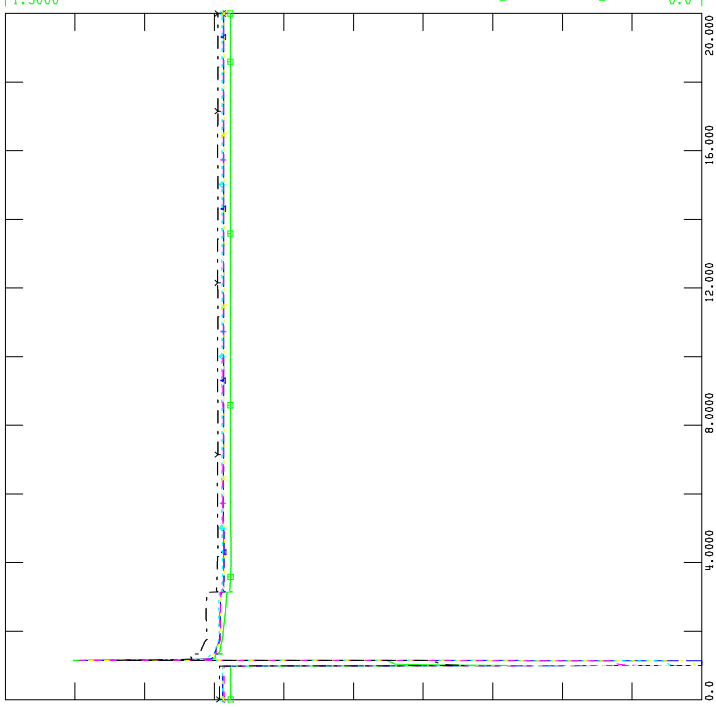
AESO ABO FOX MEADOWS-2028 SL
681L-HARDISTY-NEAR

FILE: C:\Fox Meadows\SCN5\681L-Hardisty-N.out

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
1.5000 0.0
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
1.5000 0.0
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
1.5000 0.0
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
1.5000 0.0
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
1.5000 0.0
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ
1.5000 0.0

SUN, MAR 09 2025 6:55
VOLTAGE

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000
TIME (SECONDS)



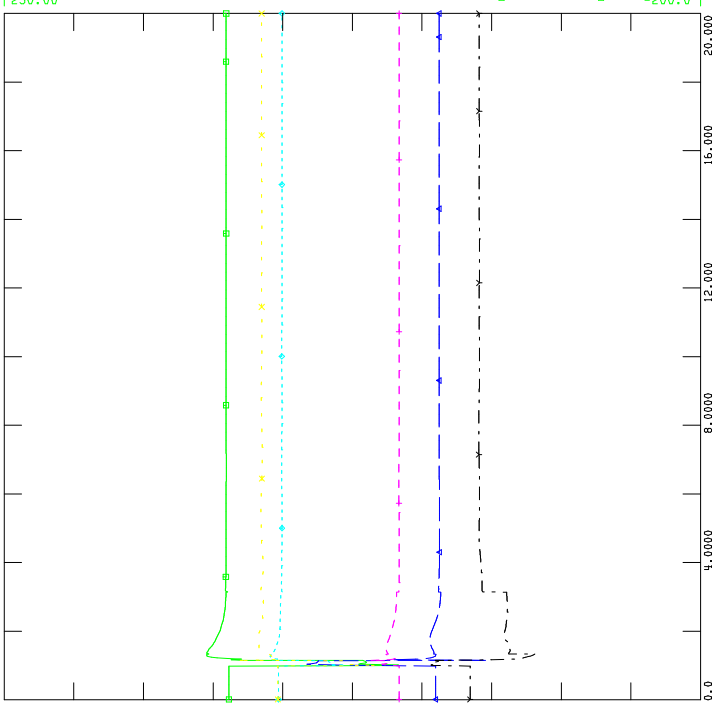
AESO ABO FOX MEADOWS-2028 SL
681L-HARDISTY-NEAR

FILE: C:\Fox Meadows\SCN5\681L-Hardisty-N.out

CHNL# 48: CVARS 814 TO 362 CKT '49'J
100.00 -100.0
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
200.00 -200.0
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
250.00 -200.0

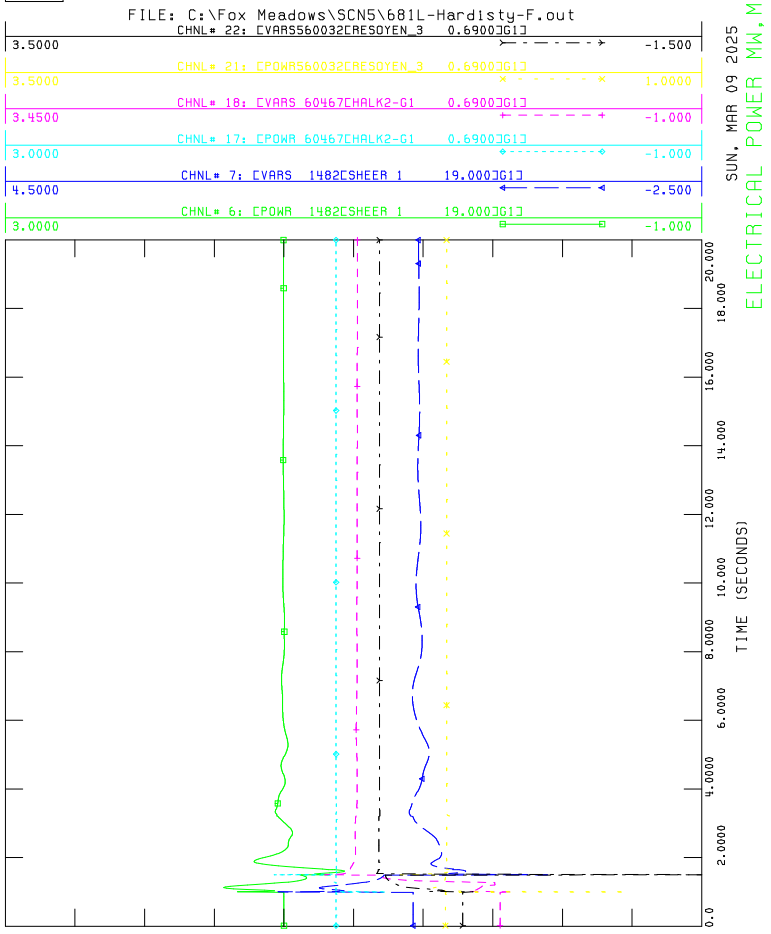
SUN, MAR 09 2025 6:55
BRANCH FLOW

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000
TIME (SECONDS)



AESO ABO FOX MEADOWS-2028 SL
681L-HARDISTY-FAR

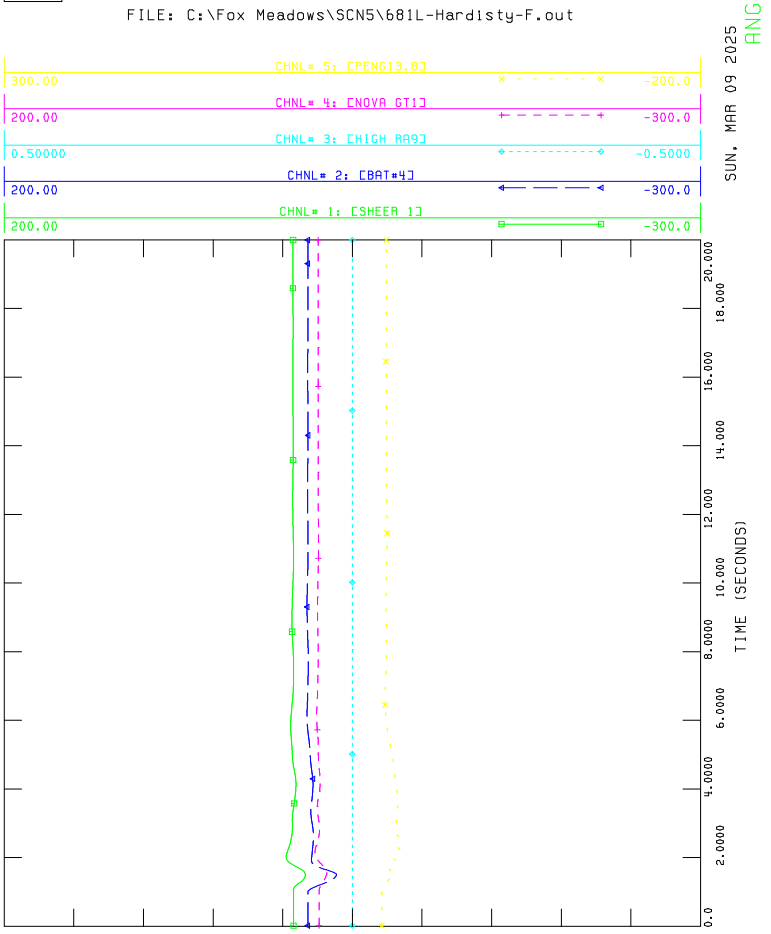
FILE: C:\Fox Meadows\SCN5\681L-Hardisty-F.out



SUN, MAR 09 2025 6:55
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SL
681L-HARDISTY-FAR

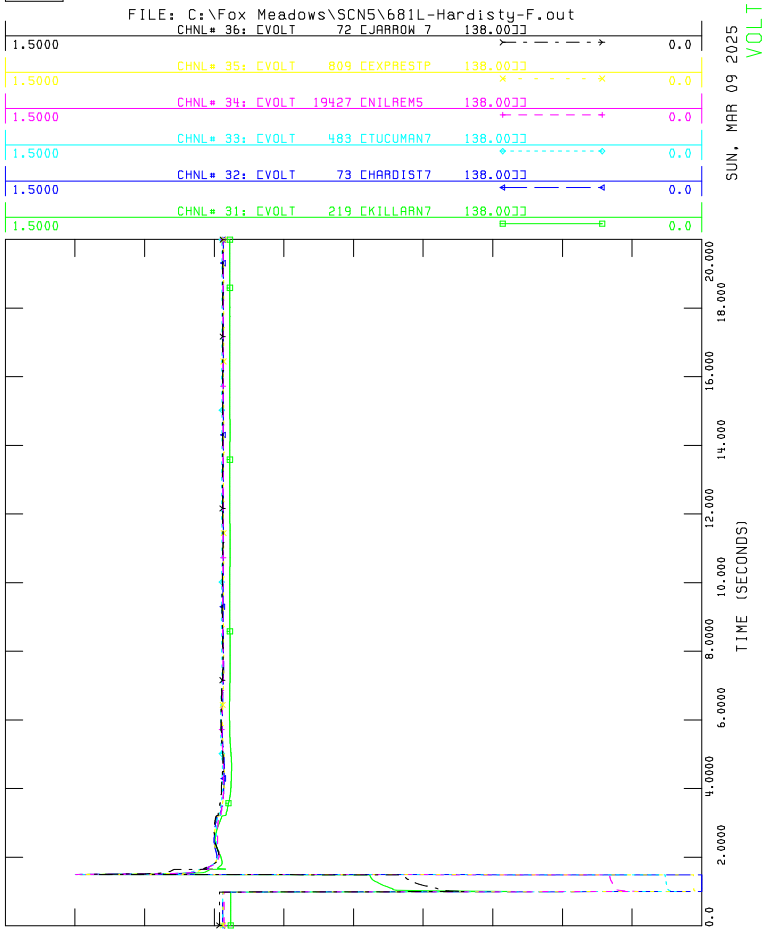
FILE: C:\Fox Meadows\SCN5\681L-Hardisty-F.out



SUN, MAR 09 2025 6:55
ANGLES

AESO ABO FOX MEADOWS-2028 SL
681L-HARDISTY-FAR

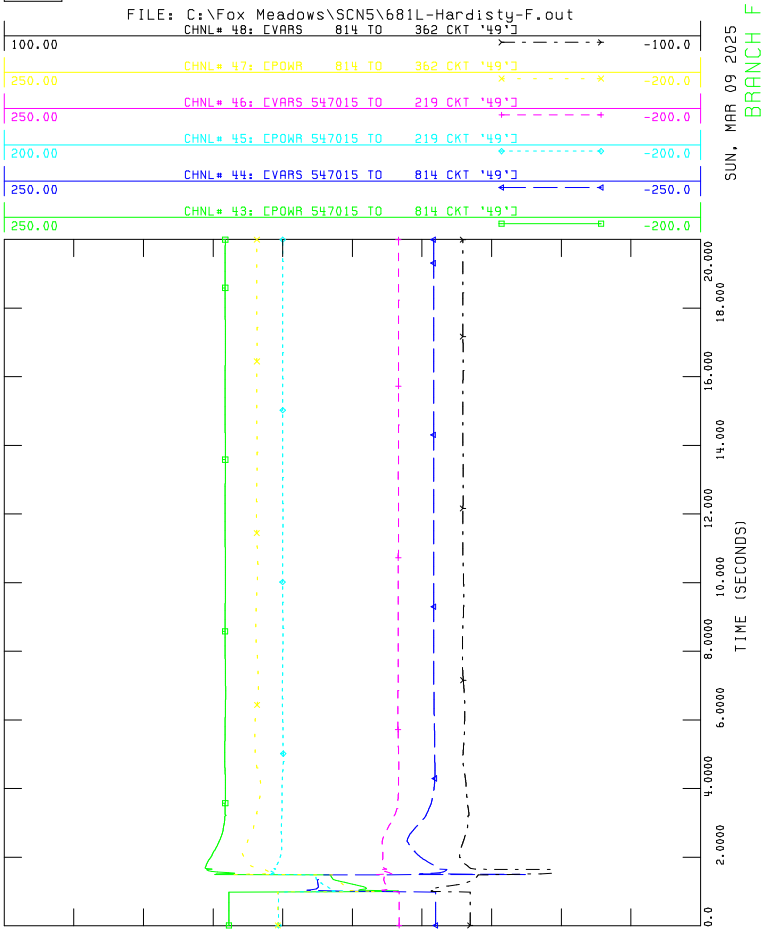
FILE: C:\Fox Meadows\SCN5\681L-Hardisty-F.out



SUN, MAR 09 2025 6:55
VOLTAGE

AESO ABO FOX MEADOWS-2028 SL
681L-HARDISTY-FAR

FILE: C:\Fox Meadows\SCN5\681L-Hardisty-F.out



SUN, MAR 09 2025 6:55
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SL
769L-HARDISTY-NEAR

FILE: C:\Fox Meadows\SCN5\769L-Hardisty-N.out

SUN, MAR 09 2025 6:55

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
3.5000 -1.500
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
3.5000 1.0000
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
3.4500 -1.000
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
3.0000 -1.000
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
4.5000 -2.500
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
3.0000 -1.000

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
769L-HARDISTY-NEAR

FILE: C:\Fox Meadows\SCN5\769L-Hardisty-N.out

SUN, MAR 09 2025 6:55

ANGLES

CHNL# 5: CPENG13.8J
300.00 -200.0
CHNL# 4: CNOVA GT1J
200.00 -300.0
CHNL# 3: CHIGH RA9J
0.50000 -0.5000
CHNL# 2: CBAT#4J
200.00 -300.0
CHNL# 1: CSHEER 1J
200.00 -300.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
769L-HARDISTY-NEAR

FILE: C:\Fox Meadows\SCN5\769L-Hardisty-N.out

SUN, MAR 09 2025 6:55

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
1.5000 0.0
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
1.5000 0.0
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
1.5000 0.0
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
1.5000 0.0
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
1.5000 0.0
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ
1.5000 0.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
769L-HARDISTY-NEAR

FILE: C:\Fox Meadows\SCN5\769L-Hardisty-N.out

SUN, MAR 09 2025 6:55

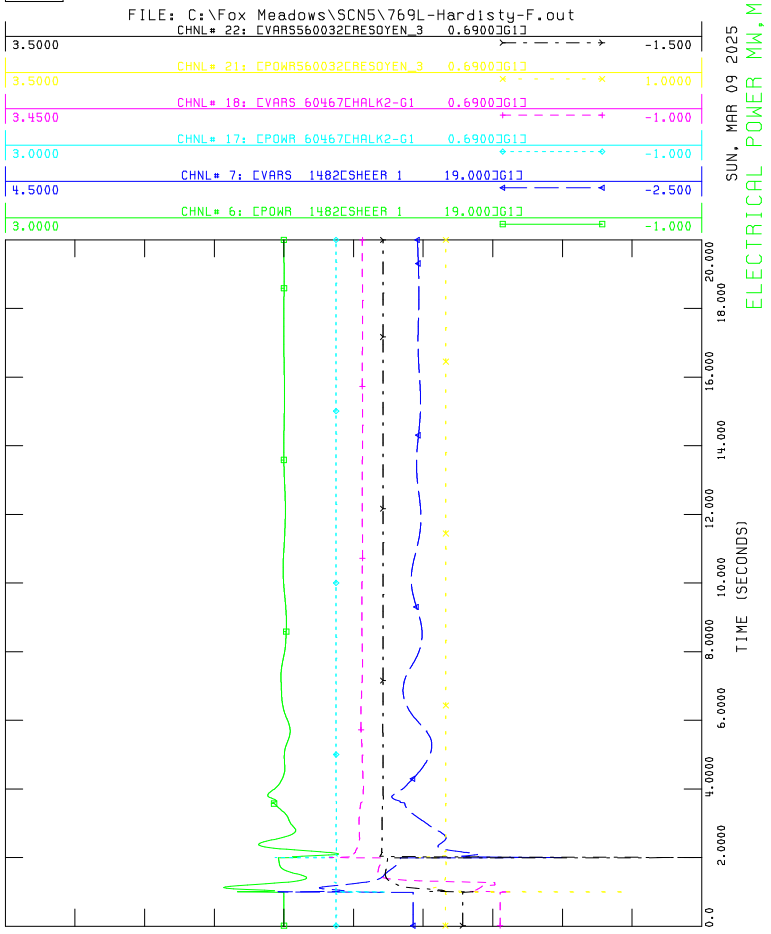
BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
100.00 -100.0
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
200.00 -200.0
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
250.00 -200.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
769L-HARDISTY-FAR

FILE: C:\Fox Meadows\SCN5\769L-Hardisty-F.out

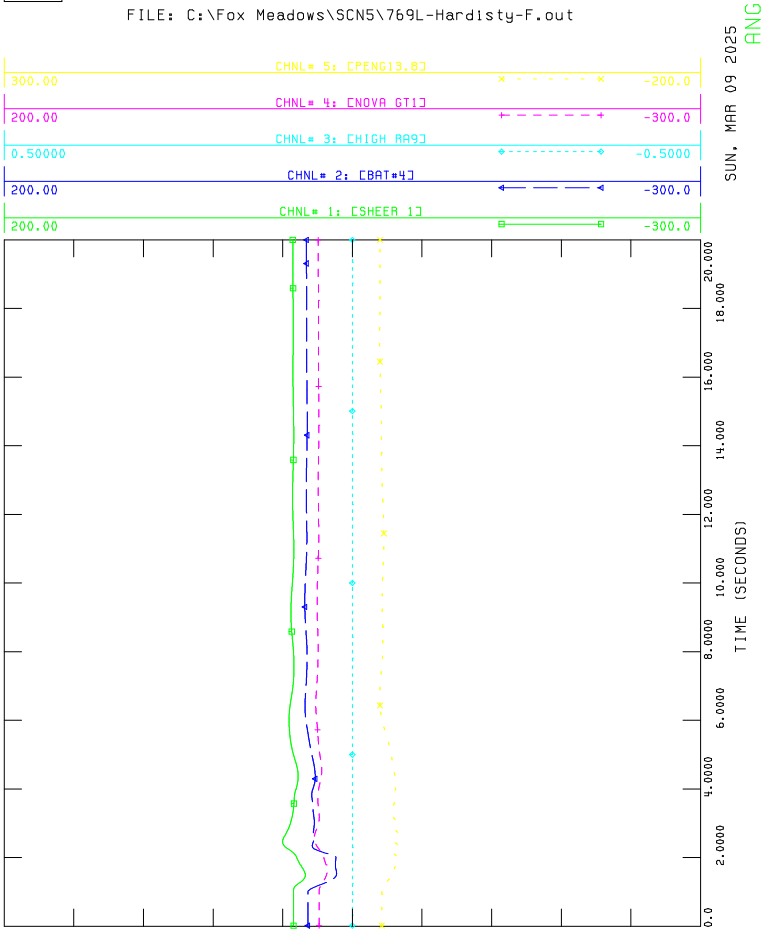


SUN, MAR 09 2025 6:55

ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SL
769L-HARDISTY-FAR

FILE: C:\Fox Meadows\SCN5\769L-Hardisty-F.out

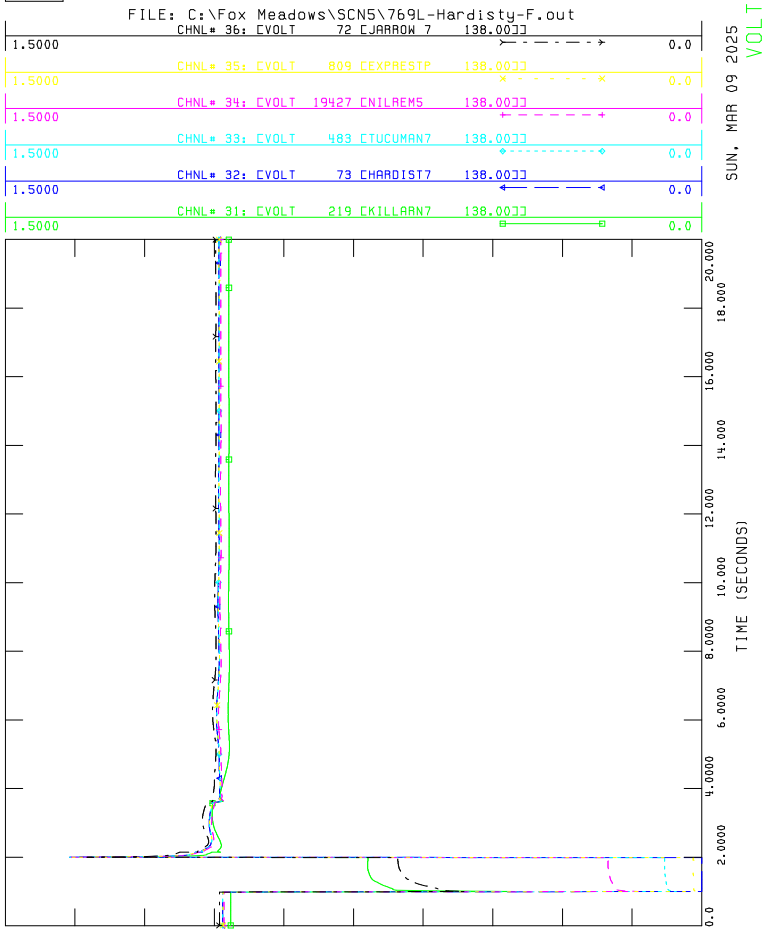


SUN, MAR 09 2025 6:55

ANGLES

AESO ABO FOX MEADOWS-2028 SL
769L-HARDISTY-FAR

FILE: C:\Fox Meadows\SCN5\769L-Hardisty-F.out

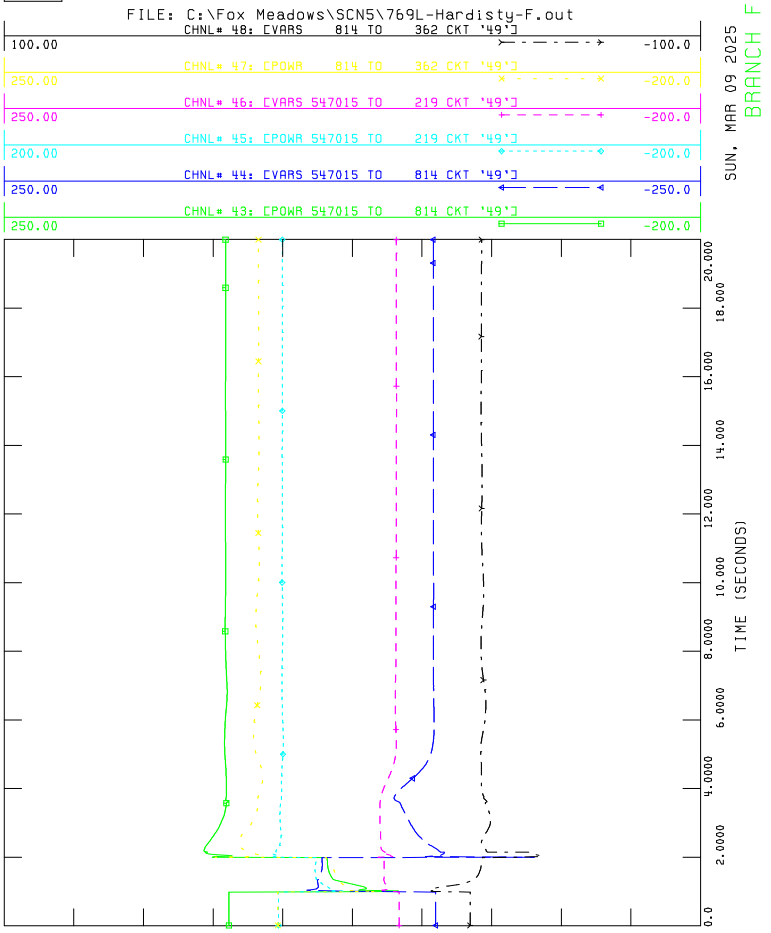


SUN, MAR 09 2025 6:55

VOLTAGE

AESO ABO FOX MEADOWS-2028 SL
769L-HARDISTY-FAR

FILE: C:\Fox Meadows\SCN5\769L-Hardisty-F.out

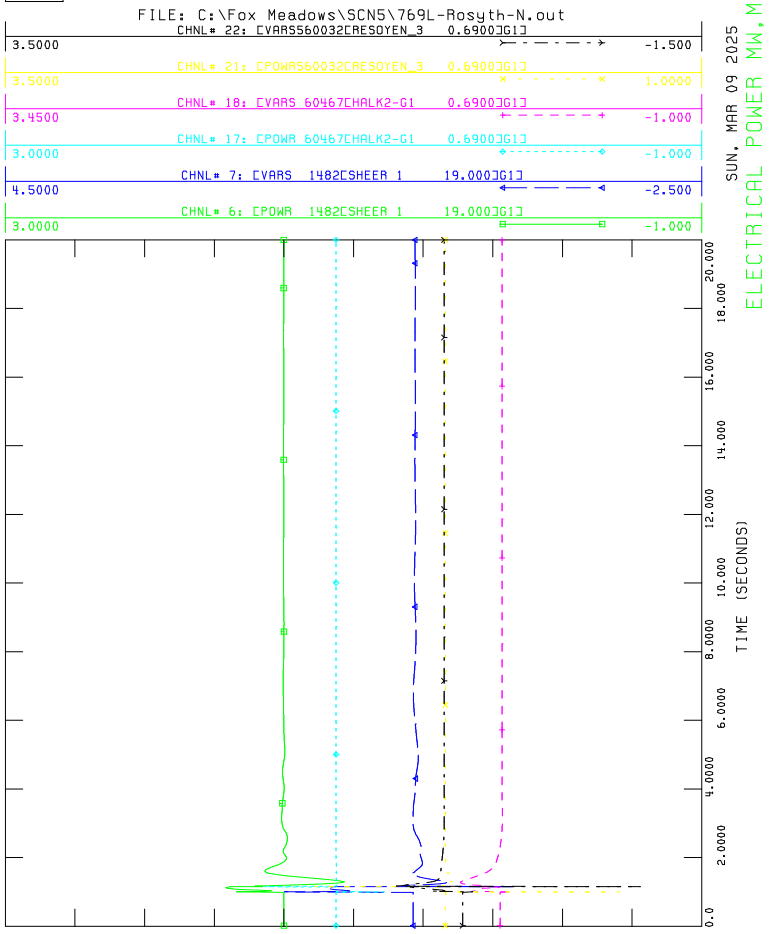


SUN, MAR 09 2025 6:55

BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SL
769L-ROSYTH-NEAR

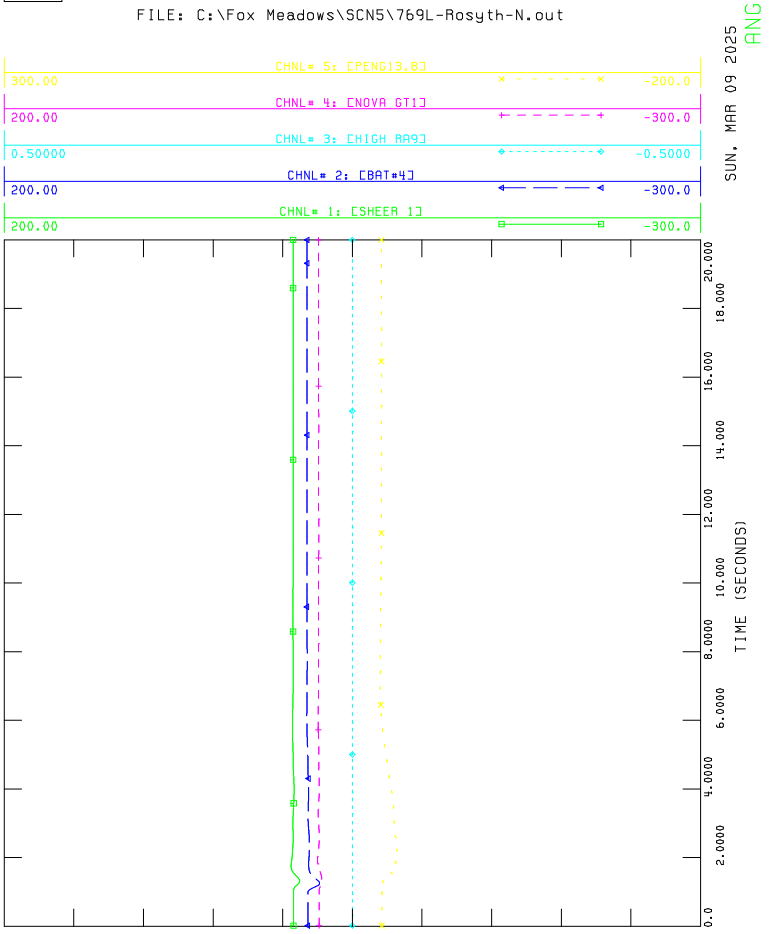
FILE: C:\Fox Meadows\SCN5\769L-Rosyth-N.out



SUN, MAR 09 2025 6:55
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SL
769L-ROSYTH-NEAR

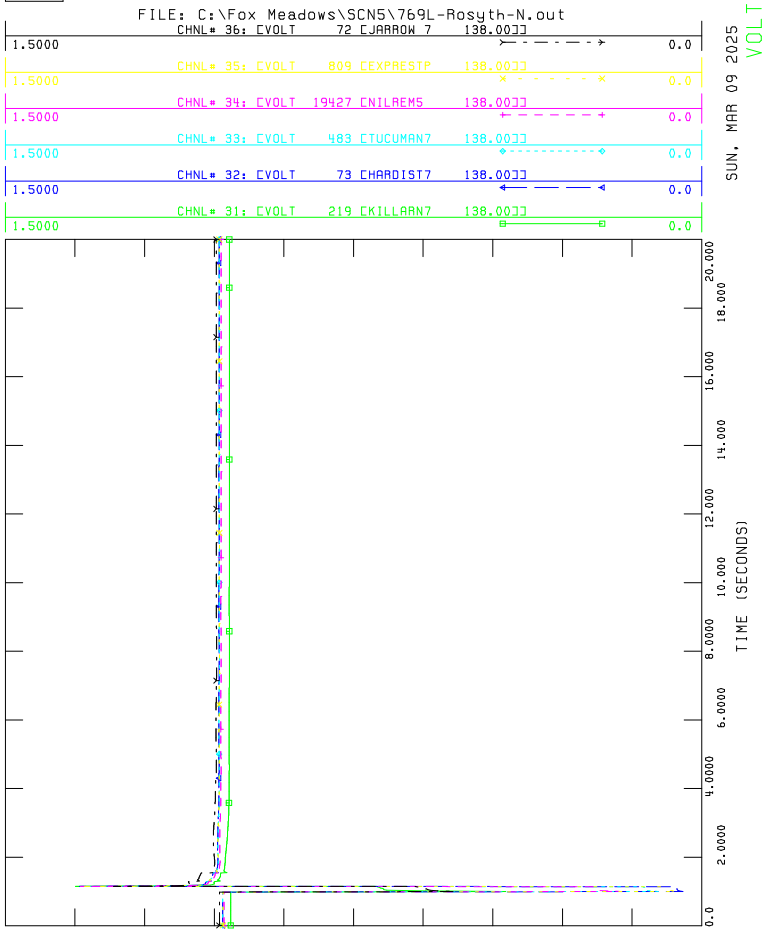
FILE: C:\Fox Meadows\SCN5\769L-Rosyth-N.out



SUN, MAR 09 2025 6:55
ANGLES

AESO ABO FOX MEADOWS-2028 SL
769L-ROSYTH-NEAR

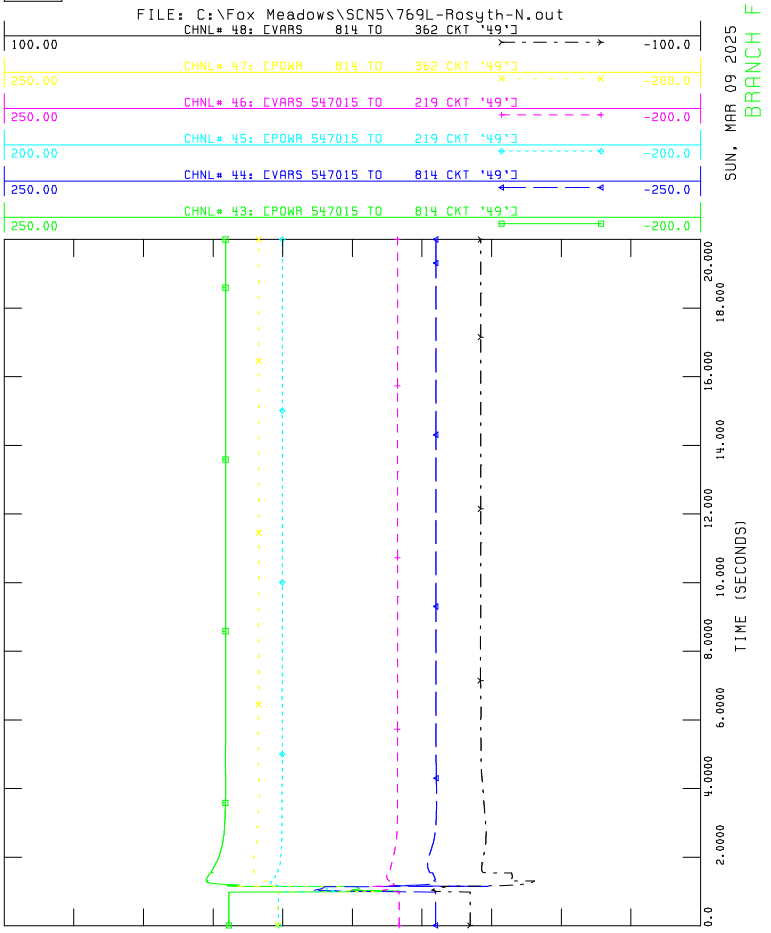
FILE: C:\Fox Meadows\SCN5\769L-Rosyth-N.out



SUN, MAR 09 2025 6:55
VOLTAGE

AESO ABO FOX MEADOWS-2028 SL
769L-ROSYTH-NEAR

FILE: C:\Fox Meadows\SCN5\769L-Rosyth-N.out



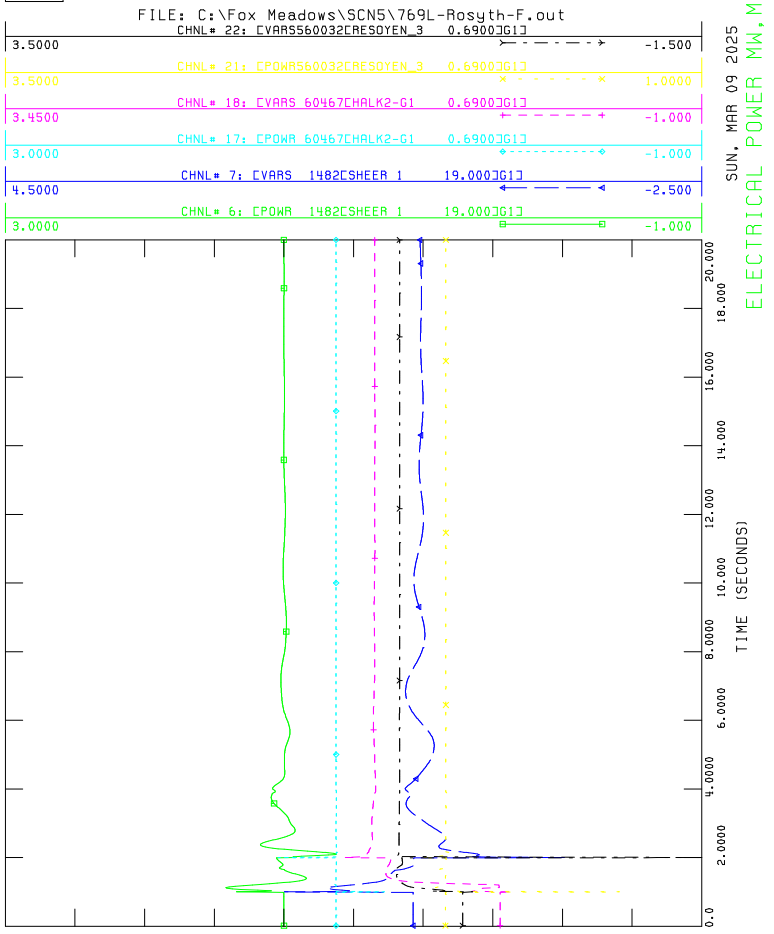
SUN, MAR 09 2025 6:55
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SL
769L-ROSYTH-FAR

FILE: C:\Fox Meadows\SCN5\769L-Rosyth-F.out

SUN, MAR 09 2025 6:55

ELECTRICAL POWER MW, MVAR

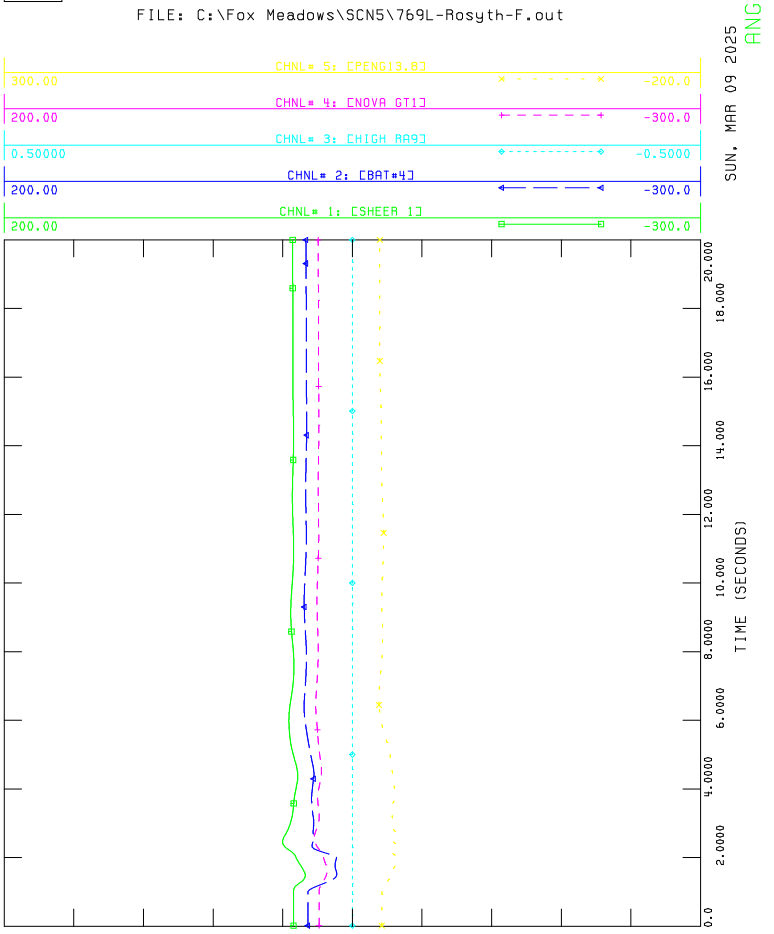


AESO ABO FOX MEADOWS-2028 SL
769L-ROSYTH-FAR

FILE: C:\Fox Meadows\SCN5\769L-Rosyth-F.out

SUN, MAR 09 2025 6:55

ANGLES

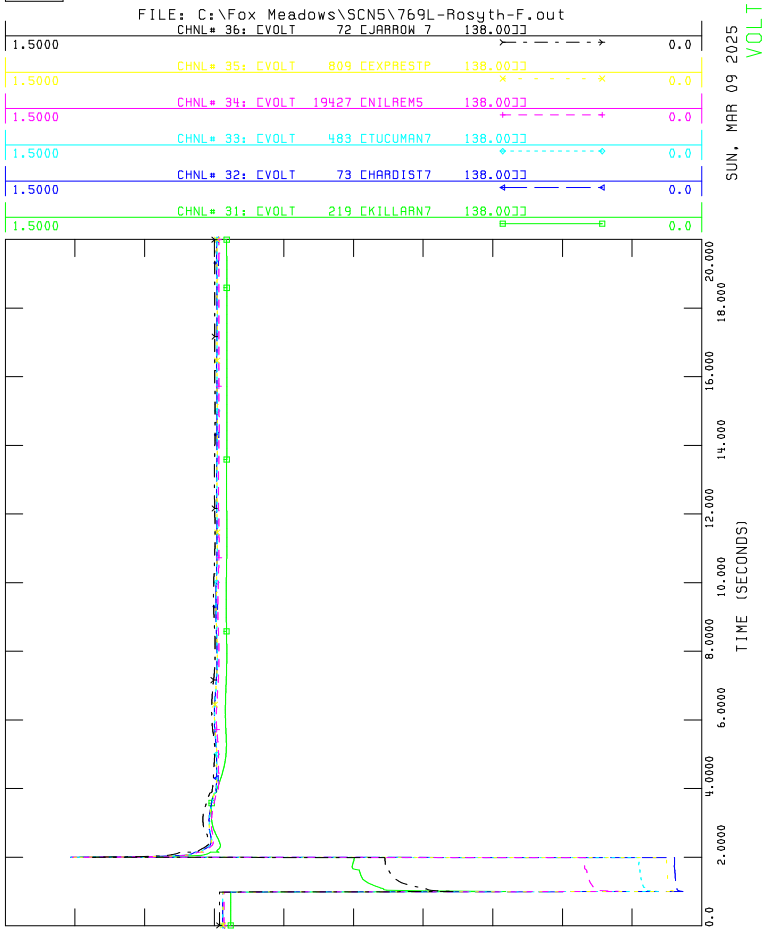


AESO ABO FOX MEADOWS-2028 SL
769L-ROSYTH-FAR

FILE: C:\Fox Meadows\SCN5\769L-Rosyth-F.out

SUN, MAR 09 2025 6:55

VOLTAGE

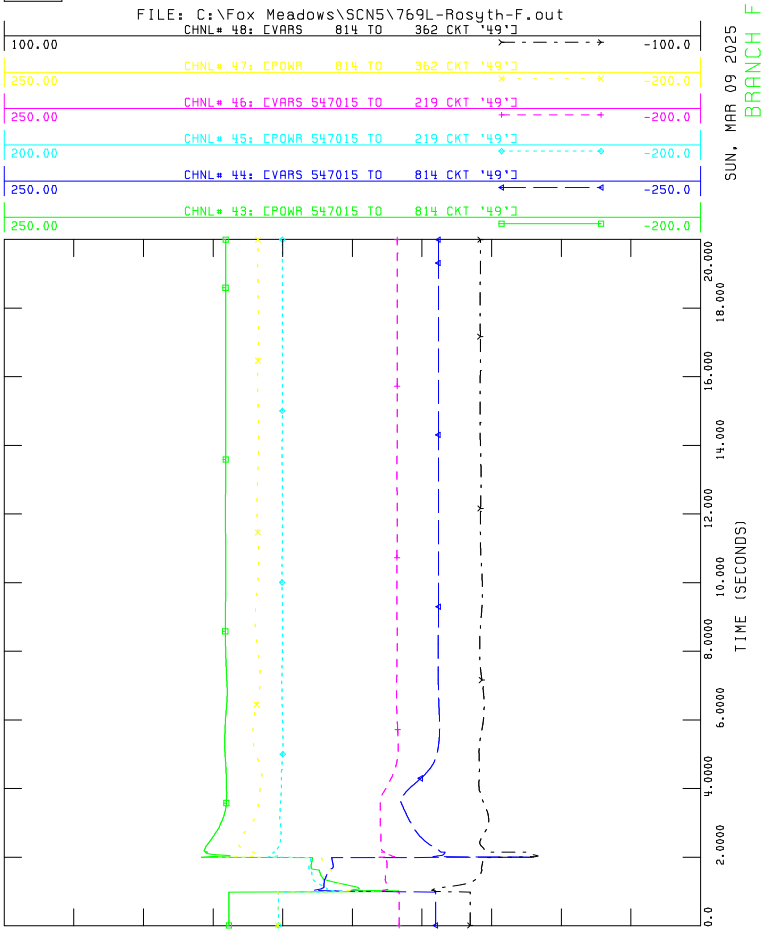


AESO ABO FOX MEADOWS-2028 SL
769L-ROSYTH-FAR

FILE: C:\Fox Meadows\SCN5\769L-Rosyth-F.out

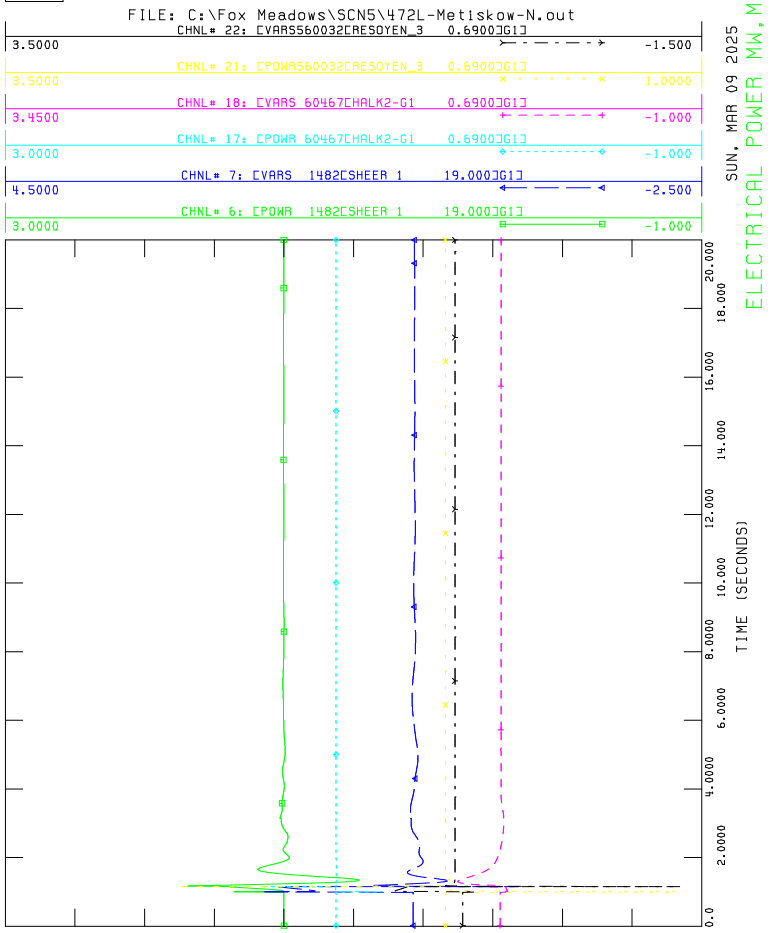
SUN, MAR 09 2025 6:55

BRANCH FLOW



AESO ABO FOX MEADOWS-2028 SL
472L-METISKOW-NEAR

FILE: C:\Fox Meadows\SCN5\472L-Metiskow-N.out

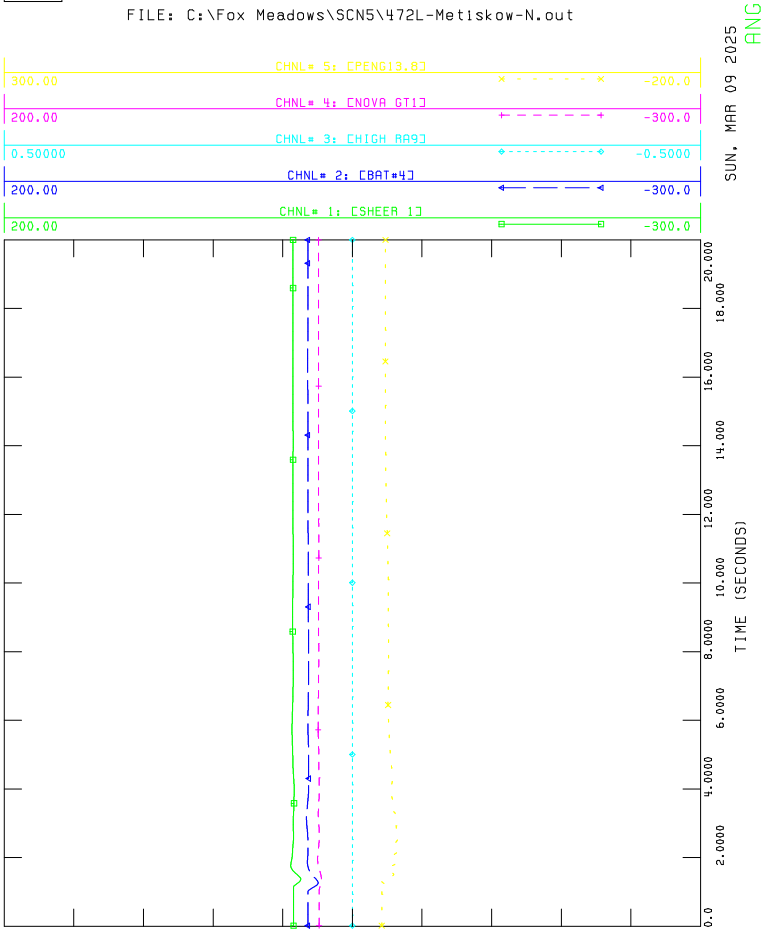


SUN, MAR 09 2025 6:55

ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SL
472L-METISKOW-NEAR

FILE: C:\Fox Meadows\SCN5\472L-Metiskow-N.out

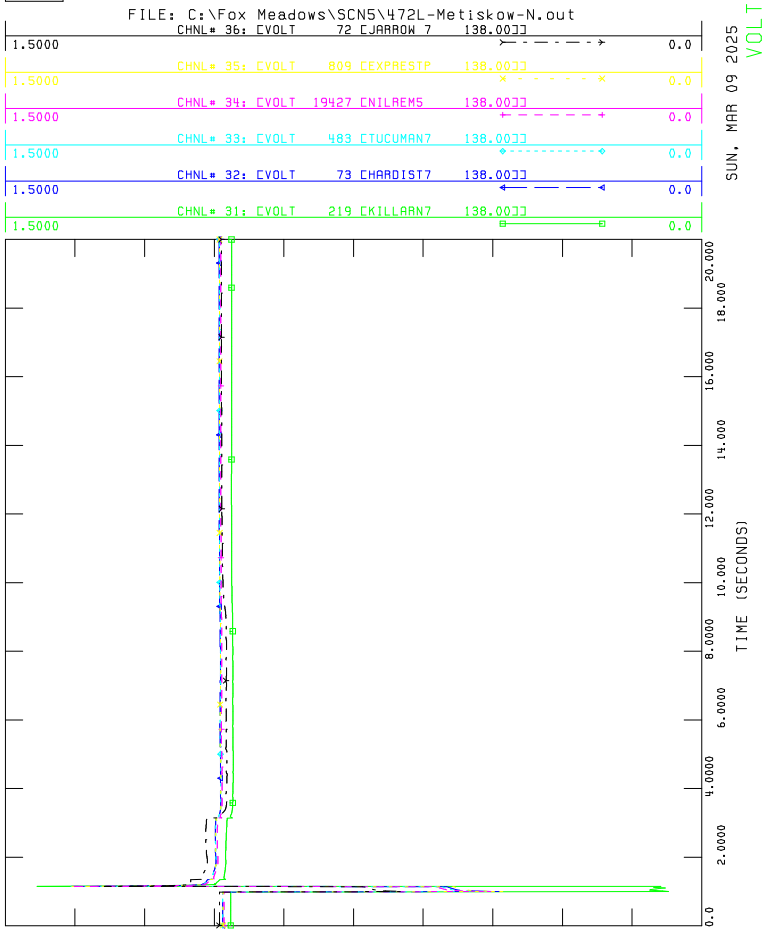


SUN, MAR 09 2025 6:55

ANGLES

AESO ABO FOX MEADOWS-2028 SL
472L-METISKOW-NEAR

FILE: C:\Fox Meadows\SCN5\472L-Metiskow-N.out

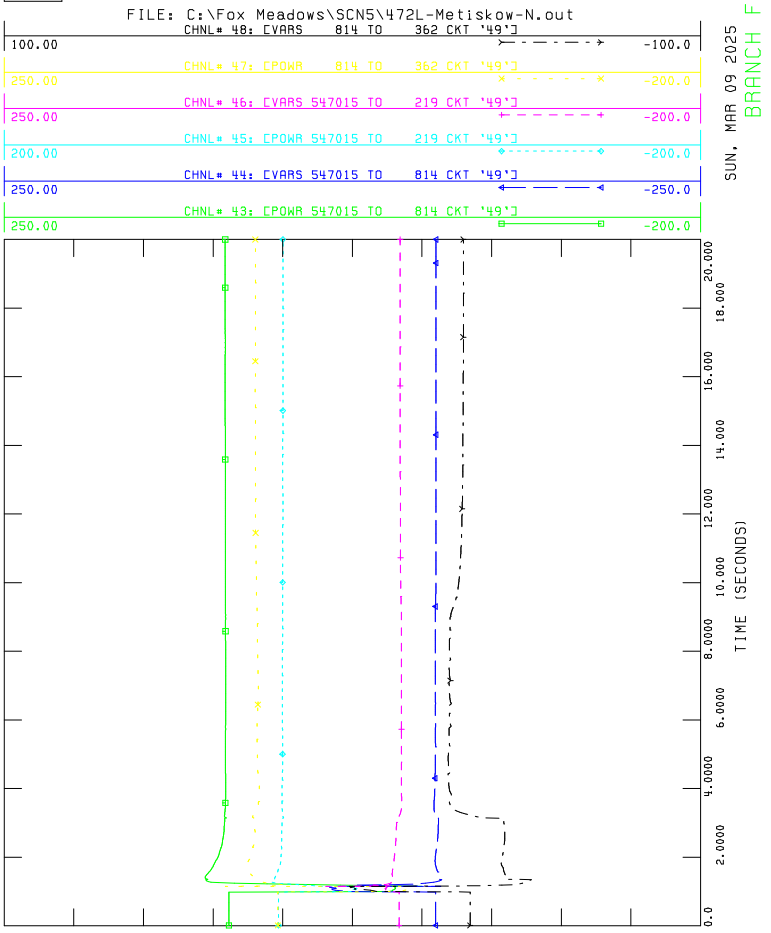


SUN, MAR 09 2025 6:55

VOLTAGE

AESO ABO FOX MEADOWS-2028 SL
472L-METISKOW-NEAR

FILE: C:\Fox Meadows\SCN5\472L-Metiskow-N.out



SUN, MAR 09 2025 6:55

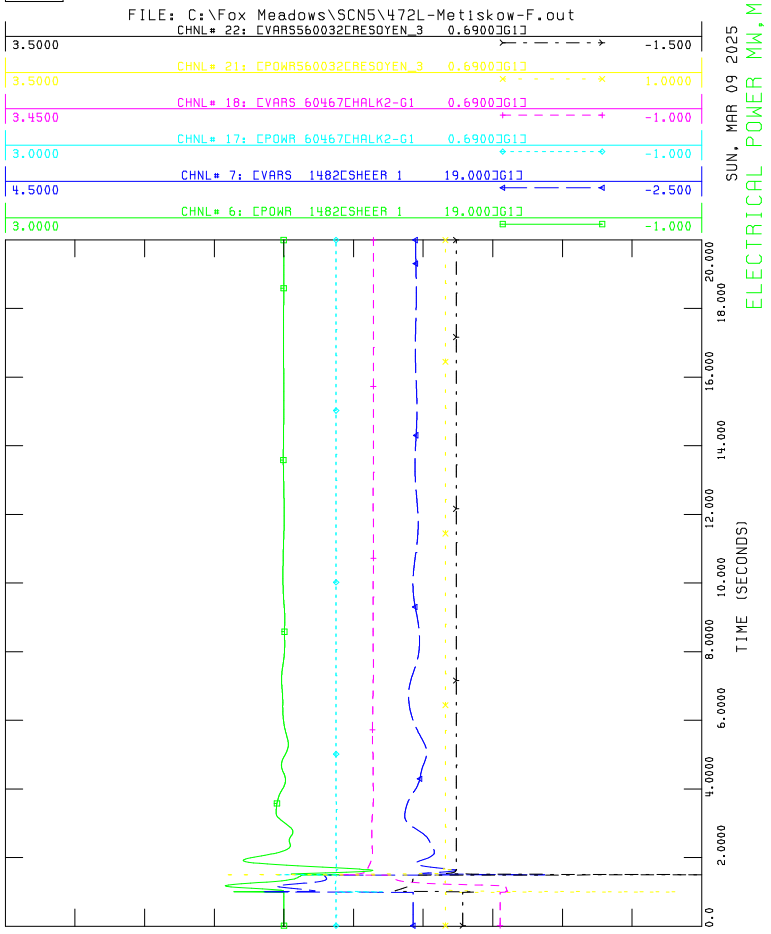
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SL
472L-METISKOW-FAR

FILE: C:\Fox Meadows\SCN5\472L-Metiskow-F.out

SUN, MAR 09 2025 6:55

ELECTRICAL POWER MW, MVAR

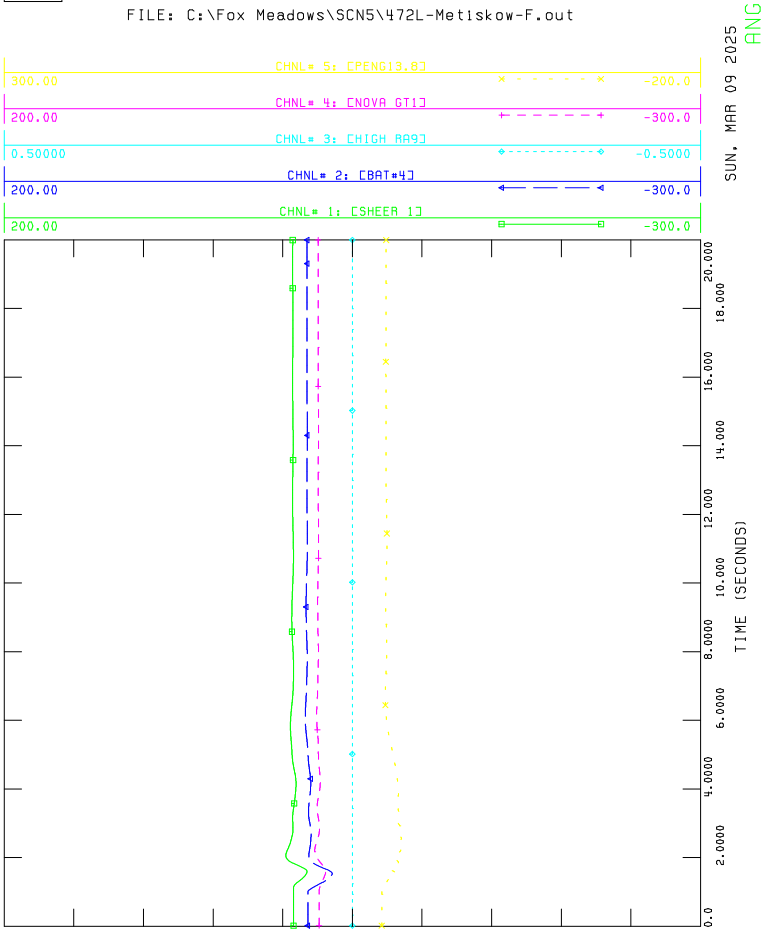


AESO ABO FOX MEADOWS-2028 SL
472L-METISKOW-FAR

FILE: C:\Fox Meadows\SCN5\472L-Metiskow-F.out

SUN, MAR 09 2025 6:55

ANGLES

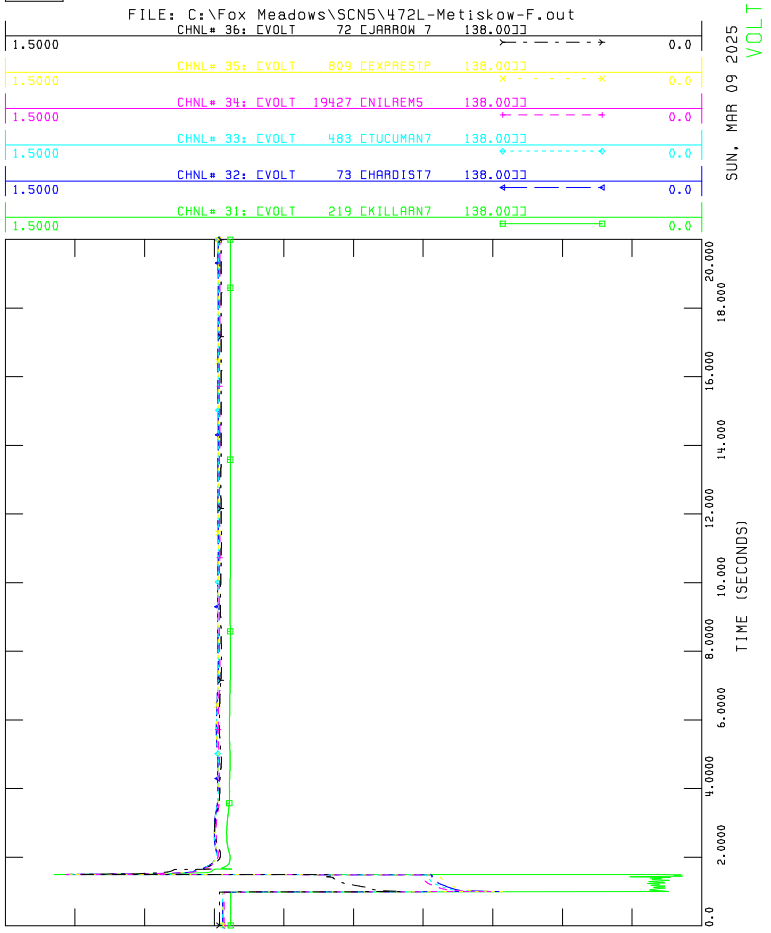


AESO ABO FOX MEADOWS-2028 SL
472L-METISKOW-FAR

FILE: C:\Fox Meadows\SCN5\472L-Metiskow-F.out

SUN, MAR 09 2025 6:55

VOLTAGE

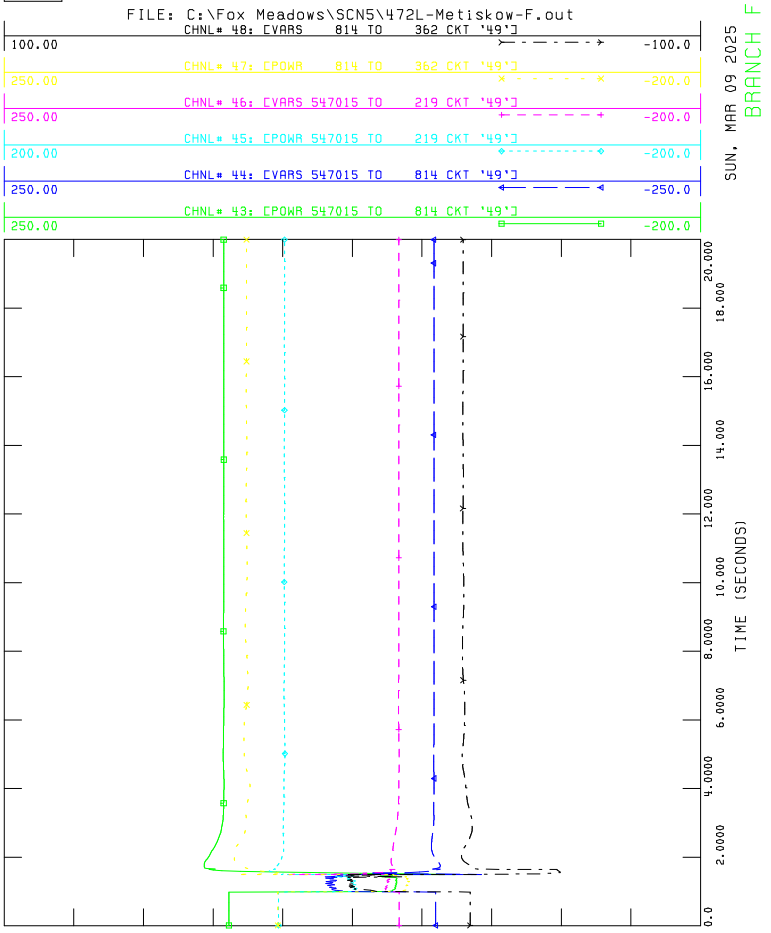


AESO ABO FOX MEADOWS-2028 SL
472L-METISKOW-FAR

FILE: C:\Fox Meadows\SCN5\472L-Metiskow-F.out

SUN, MAR 09 2025 6:55

BRANCH FLOW



AESO ABO FOX MEADOWS-2028 SL
472L-HUGHENDED-NEAR

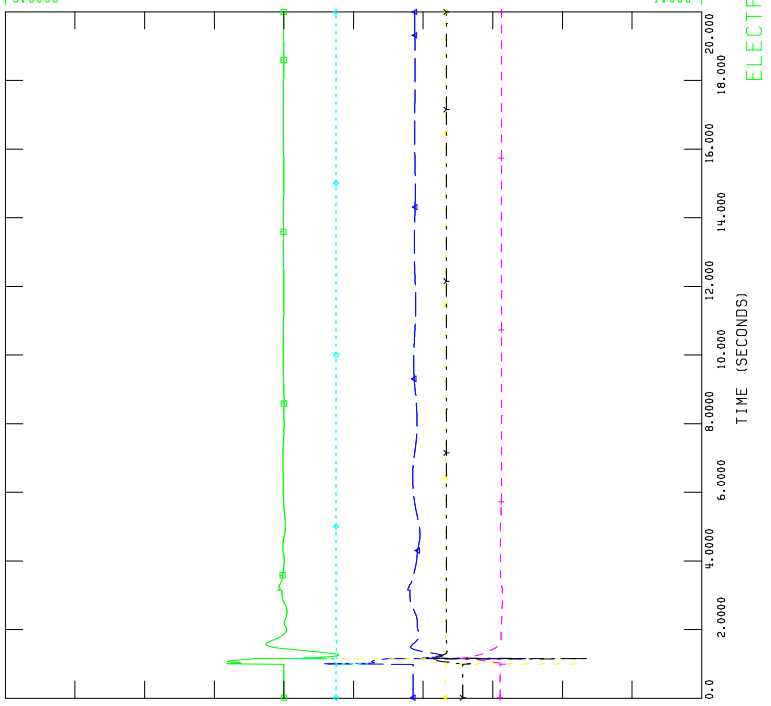
FILE: C:\Fox Meadows\SCN5\472L-Hughenden-N.out

SUN, MAR 09 2025 6:55

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J

TIME (SECONDS)



AESO ABO FOX MEADOWS-2028 SL
472L-HUGHENDED-NEAR

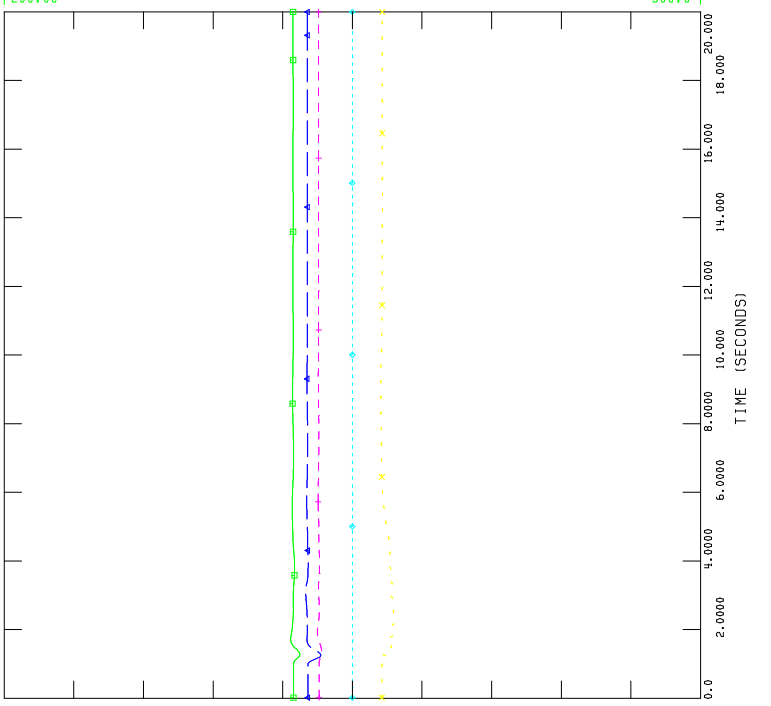
FILE: C:\Fox Meadows\SCN5\472L-Hughenden-N.out

SUN, MAR 09 2025 6:55

ANGLES

CHNL# 5: CPENG13.8J
CHNL# 4: CNOVA GT1J
CHNL# 3: CHIGH RA9J
CHNL# 2: CBAT#4J
CHNL# 1: CSHEER 1J

TIME (SECONDS)



AESO ABO FOX MEADOWS-2028 SL
472L-HUGHENDED-NEAR

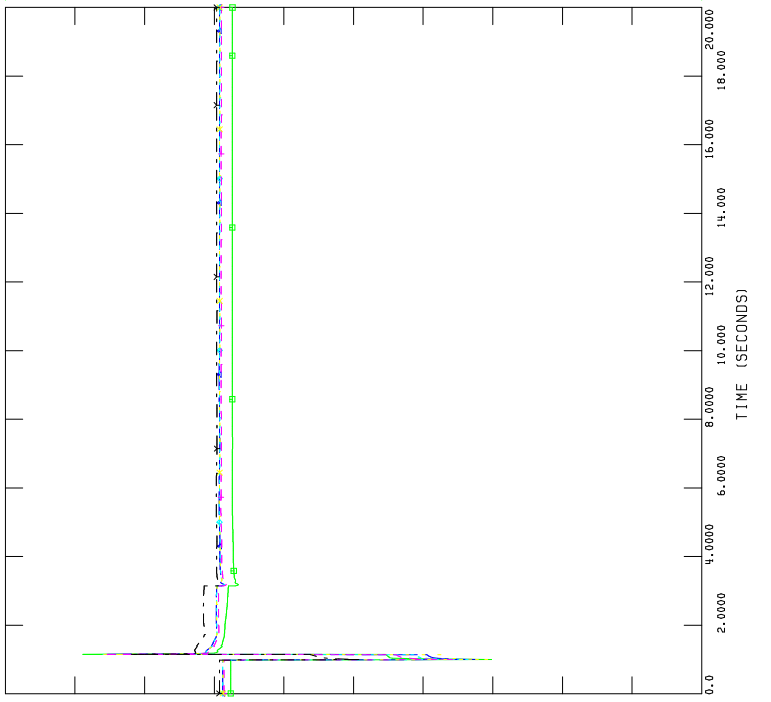
FILE: C:\Fox Meadows\SCN5\472L-Hughenden-N.out

SUN, MAR 09 2025 6:55

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ

TIME (SECONDS)



AESO ABO FOX MEADOWS-2028 SL
472L-HUGHENDED-NEAR

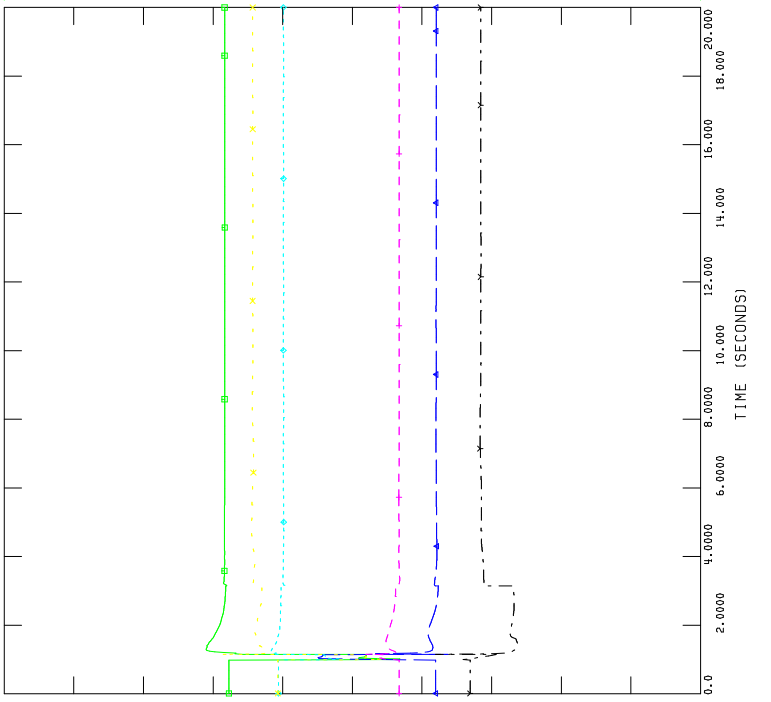
FILE: C:\Fox Meadows\SCN5\472L-Hughenden-N.out

SUN, MAR 09 2025 6:55

BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J

TIME (SECONDS)

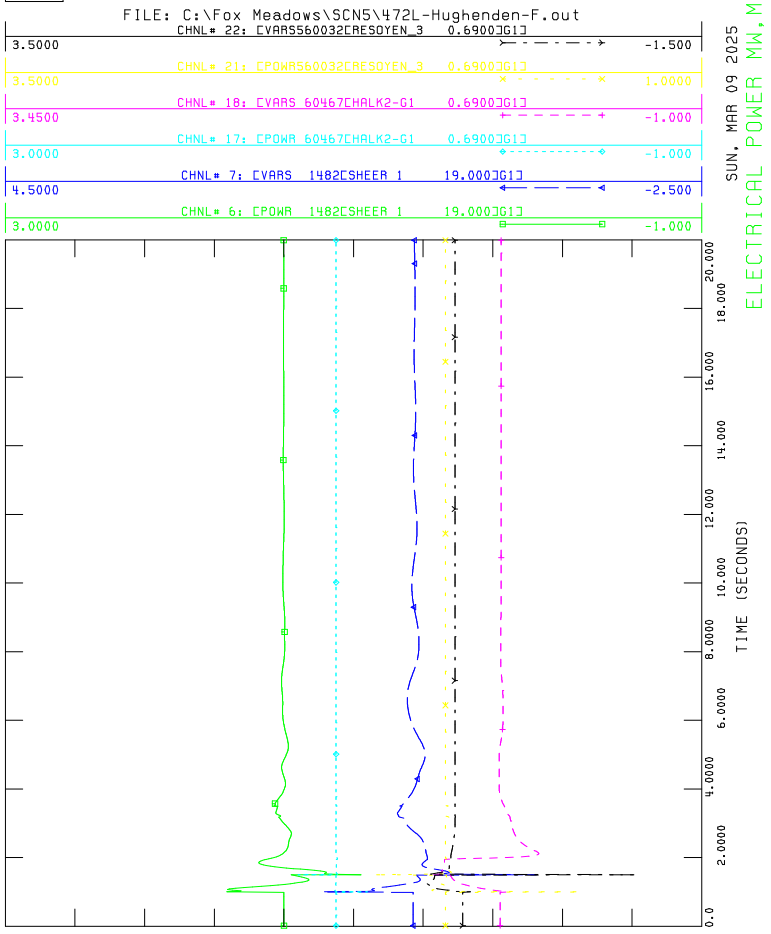


AESO ABO FOX MEADOWS-2028 SL
472L-HUGHENDED-FAR

FILE: C:\Fox Meadows\SCN5\472L-Hughenden-F.out

SUN, MAR 09 2025 6:55

ELECTRICAL POWER MW, MVAR

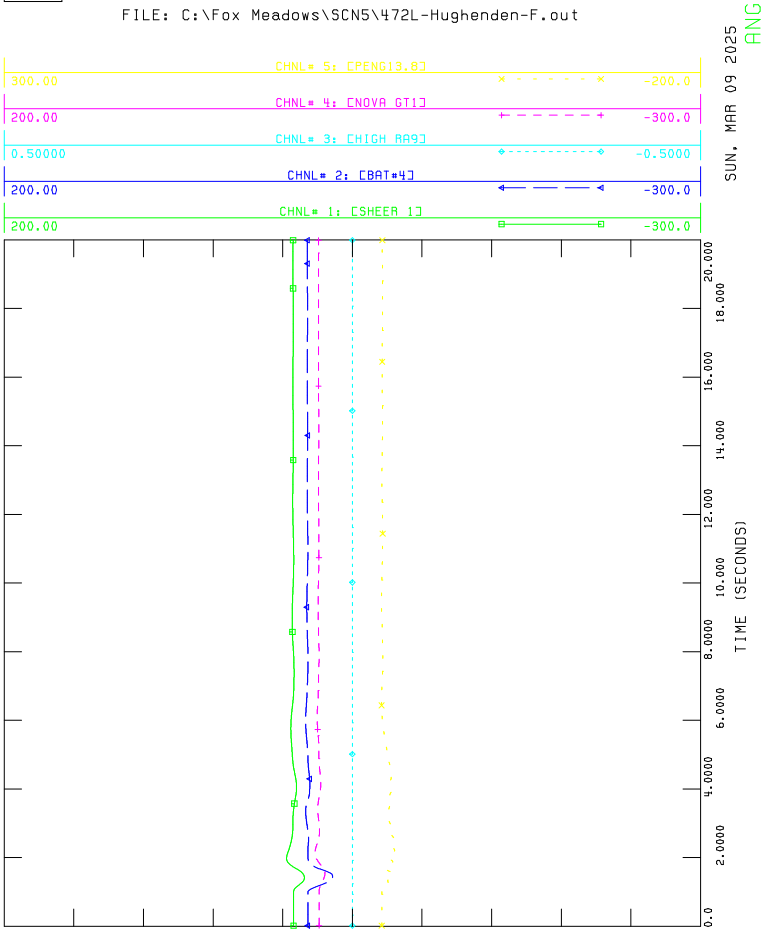


AESO ABO FOX MEADOWS-2028 SL
472L-HUGHENDED-FAR

FILE: C:\Fox Meadows\SCN5\472L-Hughenden-F.out

SUN, MAR 09 2025 6:55

ANGLES

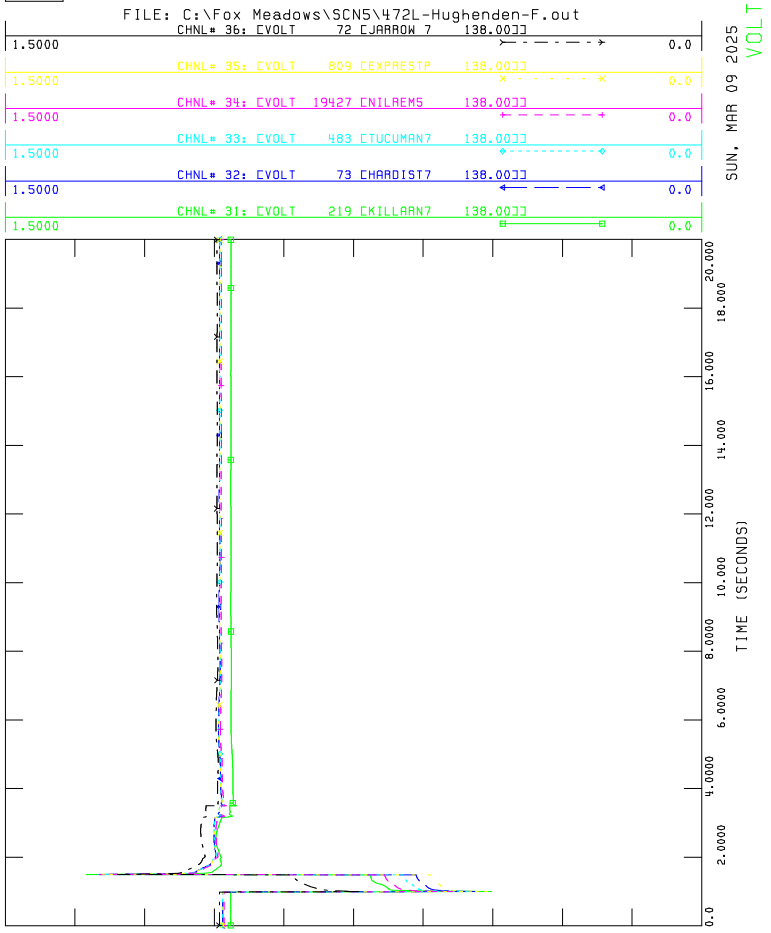


AESO ABO FOX MEADOWS-2028 SL
472L-HUGHENDED-FAR

FILE: C:\Fox Meadows\SCN5\472L-Hughenden-F.out

SUN, MAR 09 2025 6:55

VOLTAGE

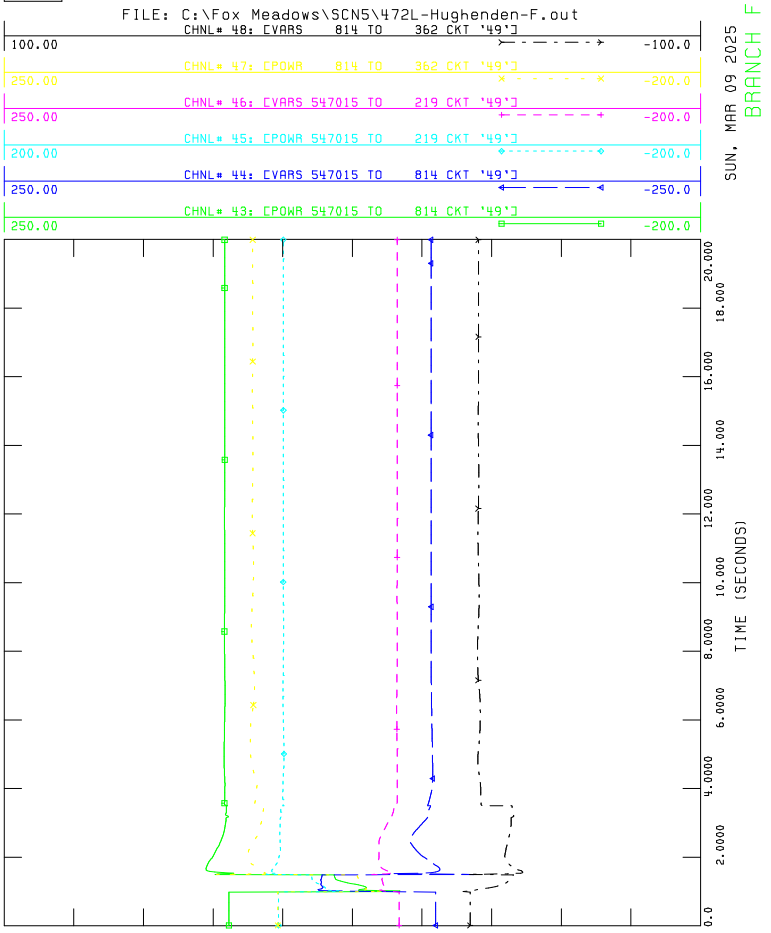


AESO ABO FOX MEADOWS-2028 SL
472L-HUGHENDED-FAR

FILE: C:\Fox Meadows\SCN5\472L-Hughenden-F.out

SUN, MAR 09 2025 6:55

BRANCH FLOW

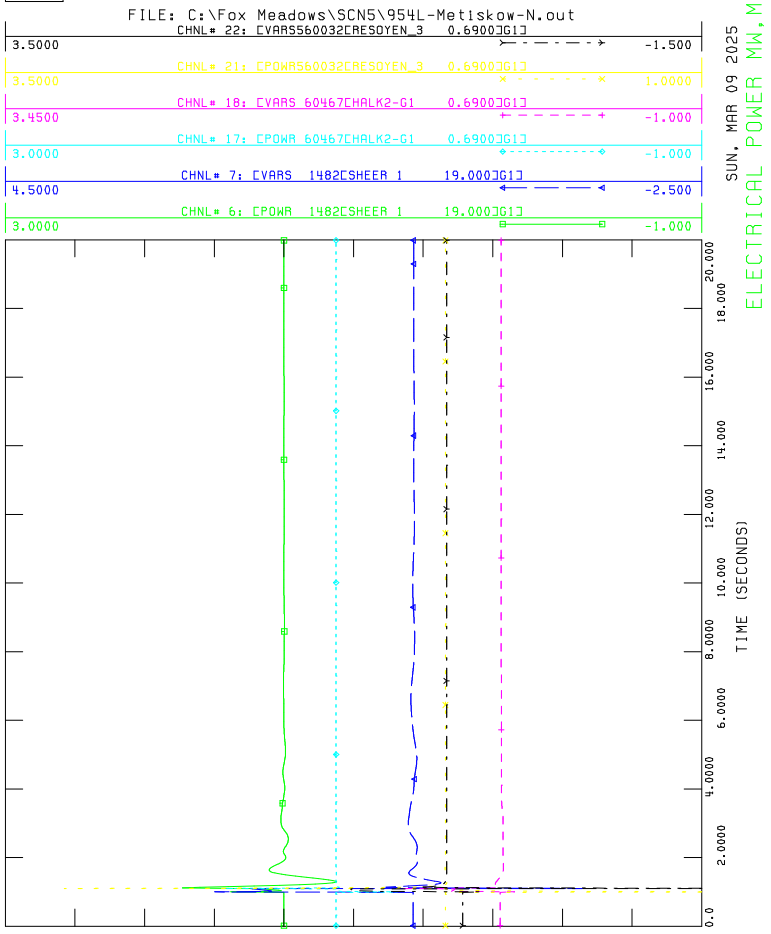


AESO ABO FOX MEADOWS-2028 SL
954L-METISKOW-NEAR

FILE: C:\Fox Meadows\SCN5\954L-Metiskow-N.out

SUN, MAR 09 2025 6:56

ELECTRICAL POWER MW, MVAR

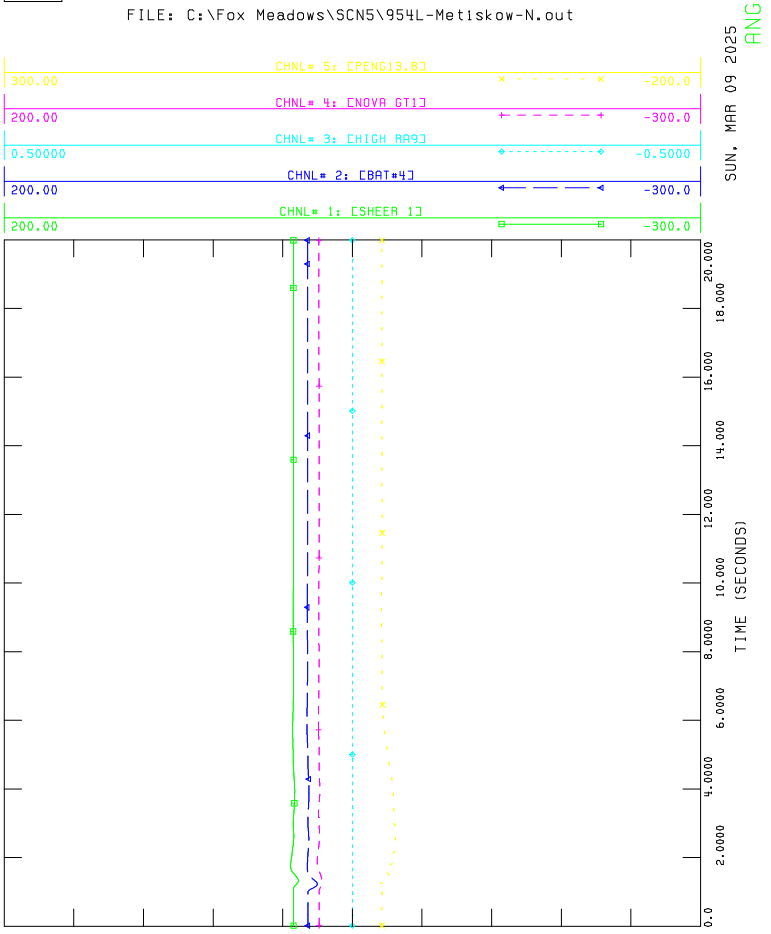


AESO ABO FOX MEADOWS-2028 SL
954L-METISKOW-NEAR

FILE: C:\Fox Meadows\SCN5\954L-Metiskow-N.out

SUN, MAR 09 2025 6:56

ANGLES

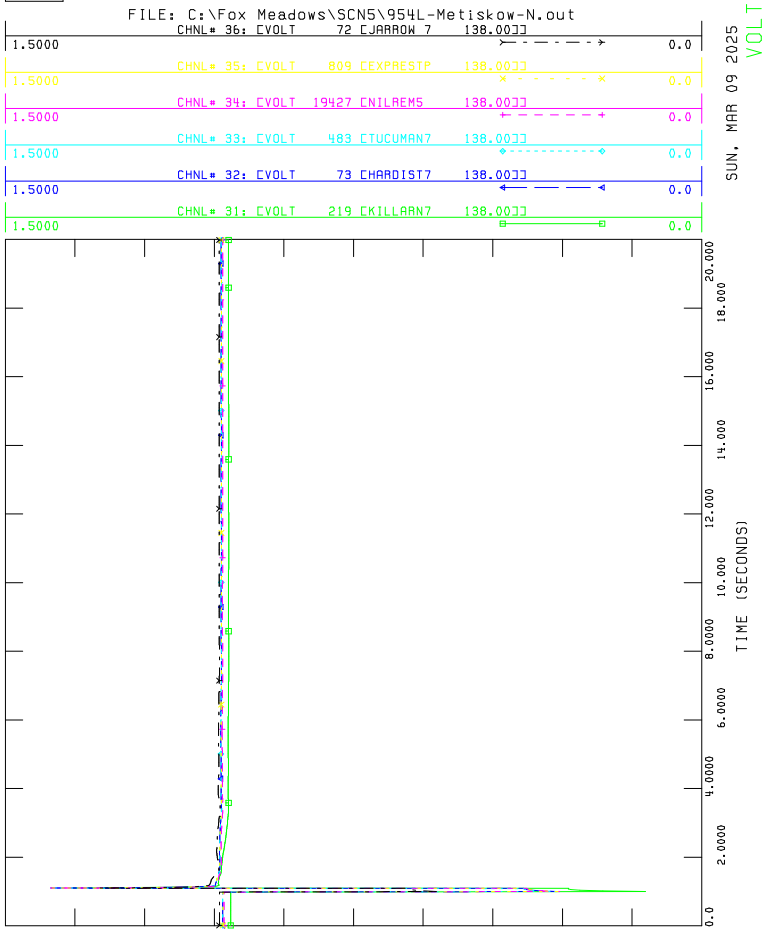


AESO ABO FOX MEADOWS-2028 SL
954L-METISKOW-NEAR

FILE: C:\Fox Meadows\SCN5\954L-Metiskow-N.out

SUN, MAR 09 2025 6:55

VOLTAGE

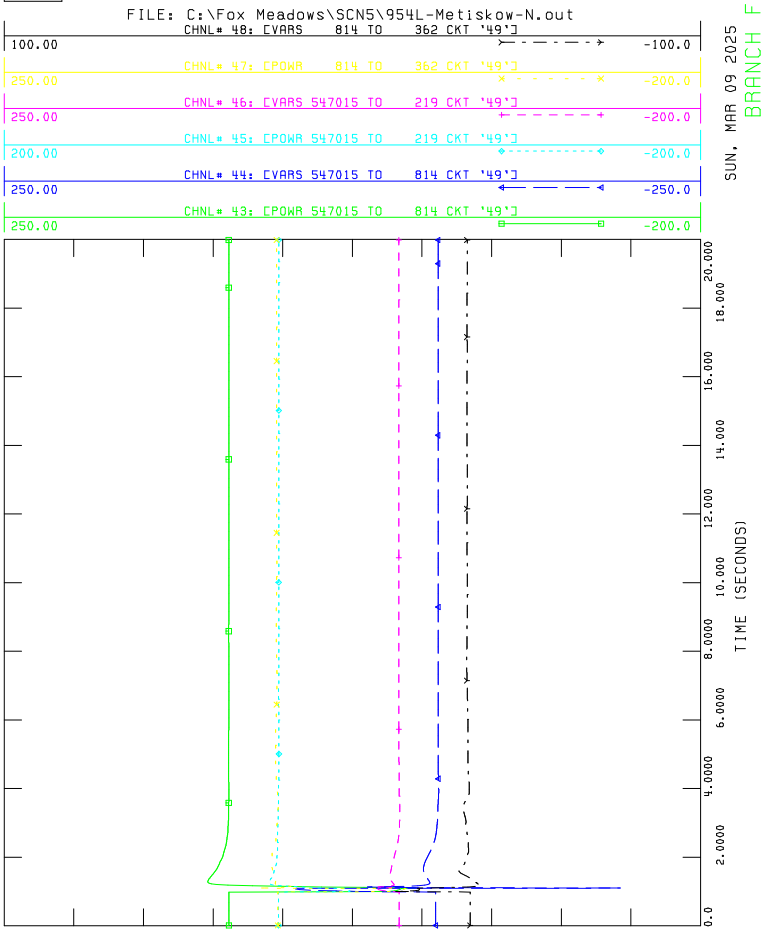


AESO ABO FOX MEADOWS-2028 SL
954L-METISKOW-NEAR

FILE: C:\Fox Meadows\SCN5\954L-Metiskow-N.out

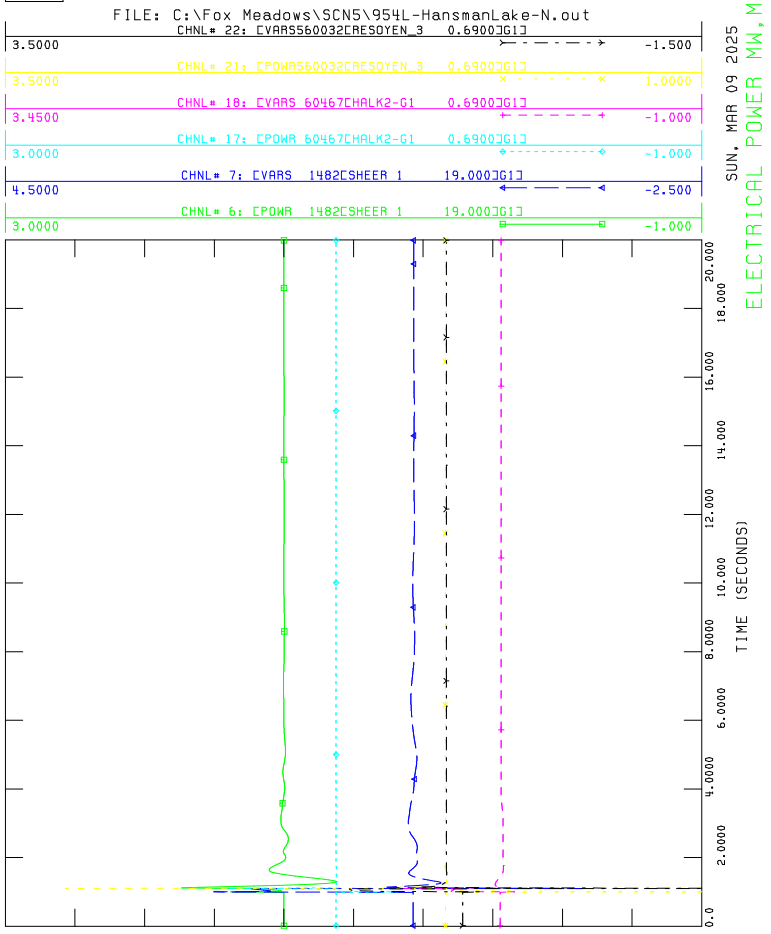
SUN, MAR 09 2025 6:56

BRANCH FLOW



AESO ABO FOX MEADOWS-2028 SL
954L-HANSMAN-NEAR

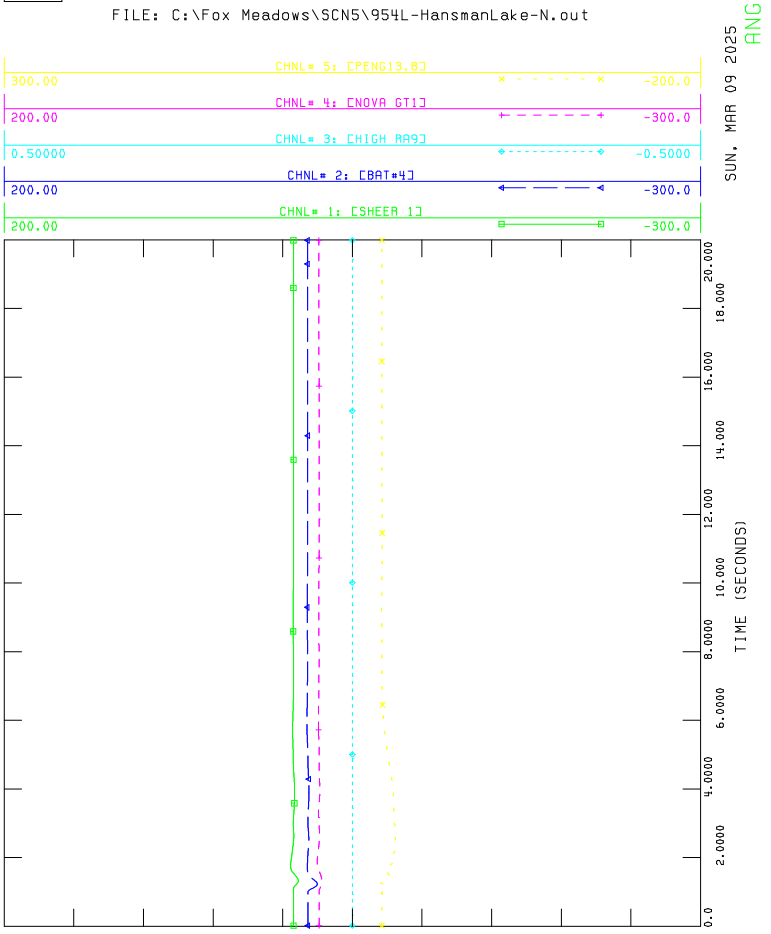
FILE: C:\Fox Meadows\SCN5\954L-HansmanLake-N.out



SUN, MAR 09 2025 6:56
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SL
954L-HANSMAN-NEAR

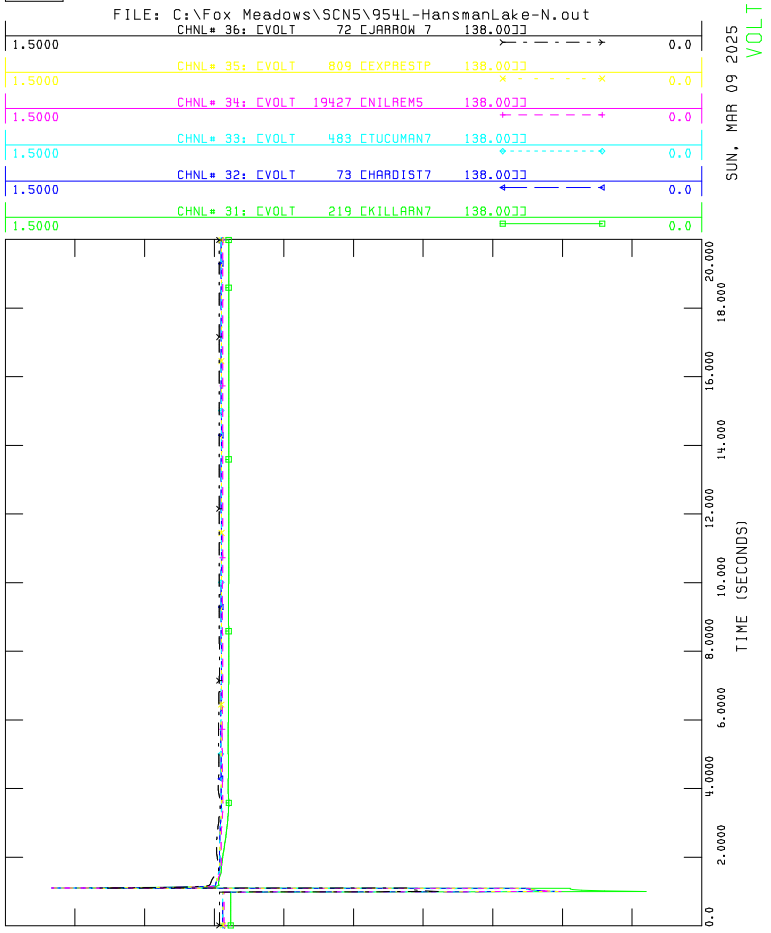
FILE: C:\Fox Meadows\SCN5\954L-HansmanLake-N.out



SUN, MAR 09 2025 6:56
ANGLES

AESO ABO FOX MEADOWS-2028 SL
954L-HANSMAN-NEAR

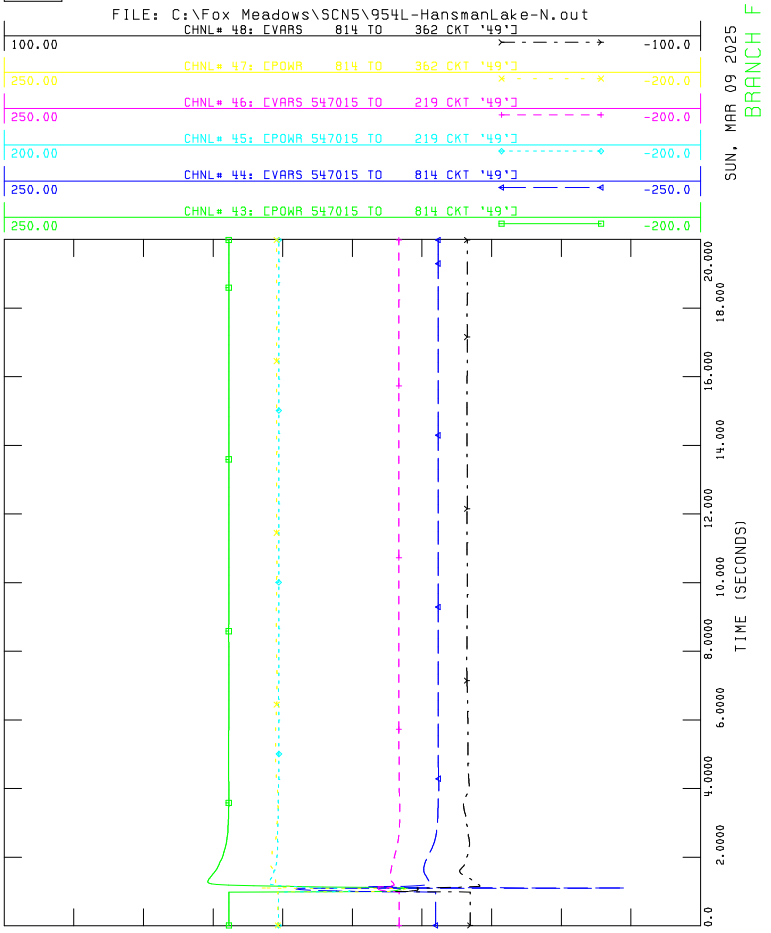
FILE: C:\Fox Meadows\SCN5\954L-HansmanLake-N.out



SUN, MAR 09 2025 6:56
VOLTAGE

AESO ABO FOX MEADOWS-2028 SL
954L-HANSMAN-NEAR

FILE: C:\Fox Meadows\SCN5\954L-HansmanLake-N.out



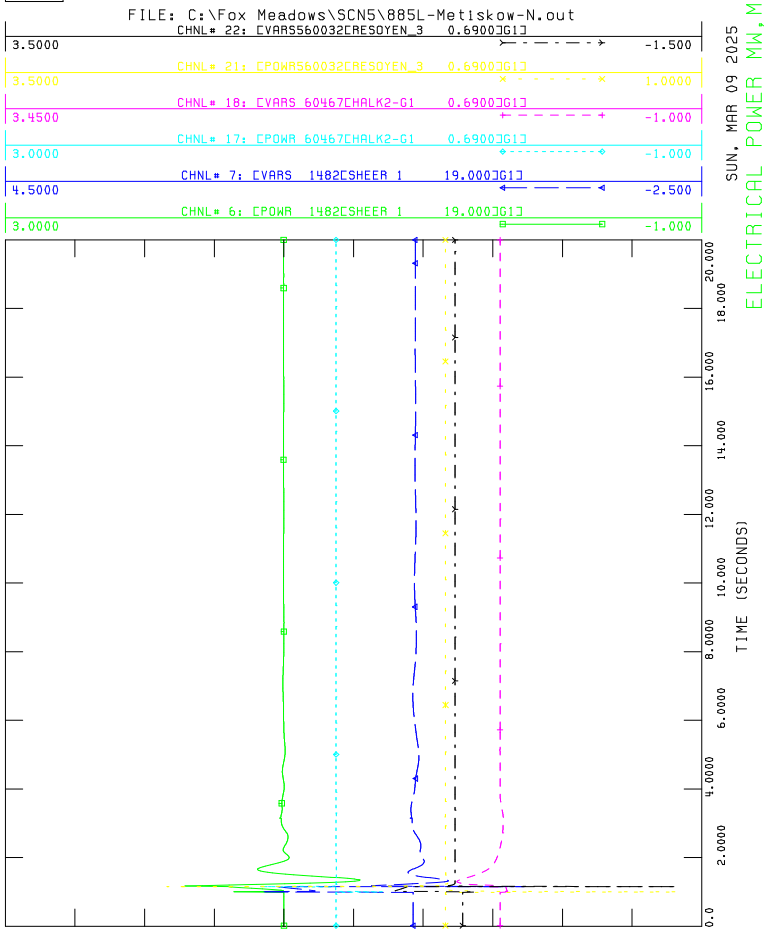
SUN, MAR 09 2025 6:56
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SL
885L-METISKOW-NEAR

FILE: C:\Fox Meadows\SCN5\885L-Metiskow-N.out

SUN, MAR 09 2025 6:56

ELECTRICAL POWER MW, MVAR

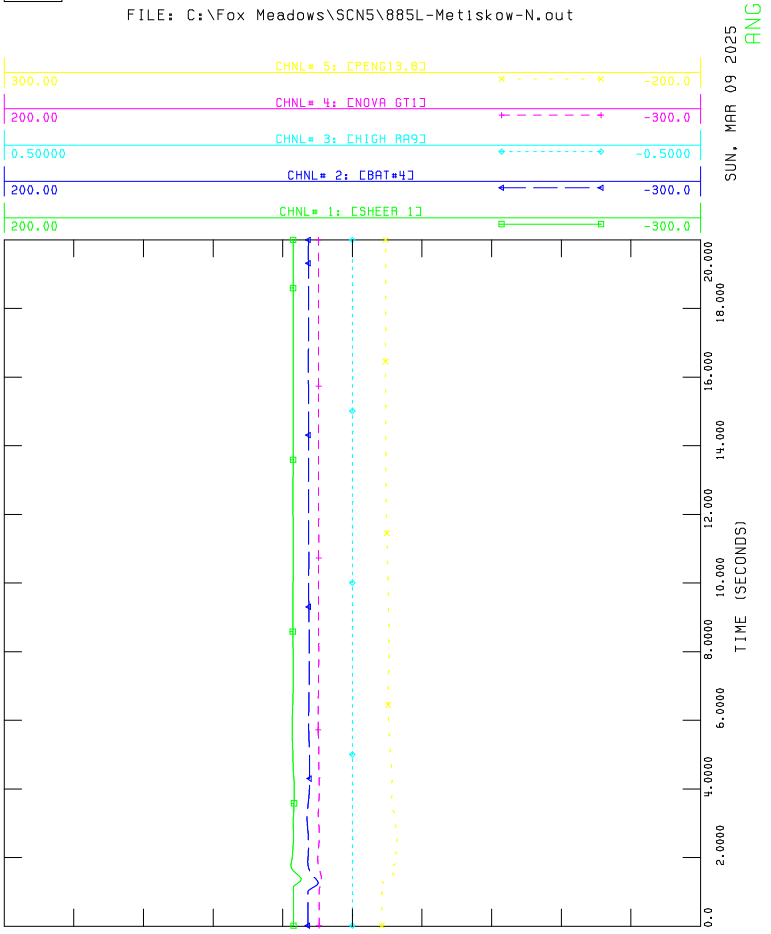


AESO ABO FOX MEADOWS-2028 SL
885L-METISKOW-NEAR

FILE: C:\Fox Meadows\SCN5\885L-Metiskow-N.out

SUN, MAR 09 2025 6:56

ANGLES

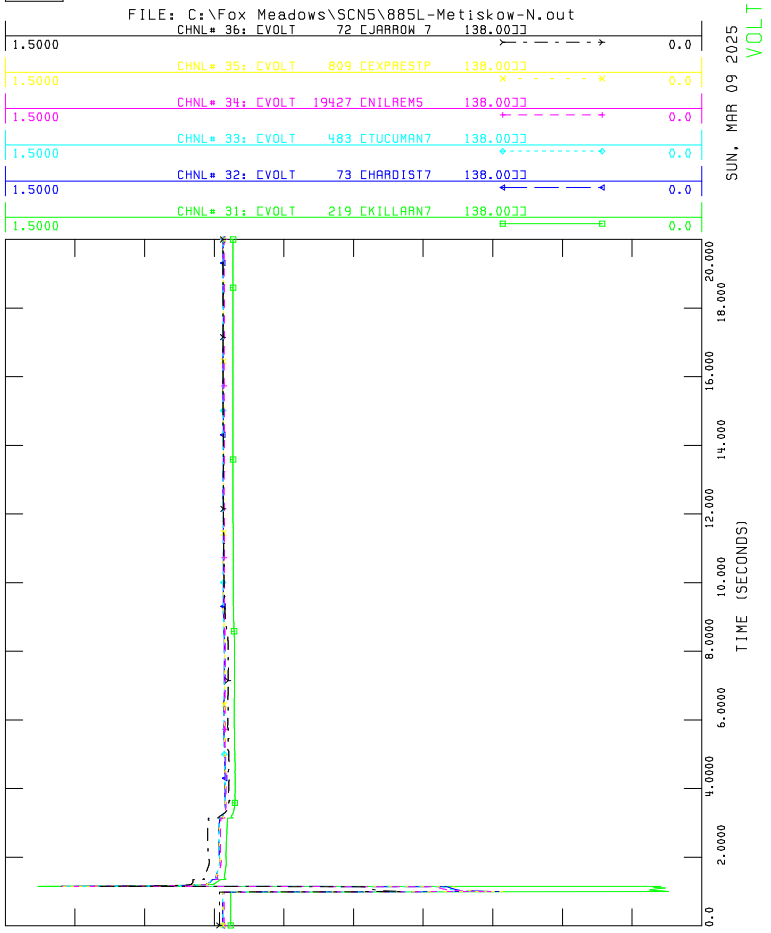


AESO ABO FOX MEADOWS-2028 SL
885L-METISKOW-NEAR

FILE: C:\Fox Meadows\SCN5\885L-Metiskow-N.out

SUN, MAR 09 2025 6:56

VOLTAGE

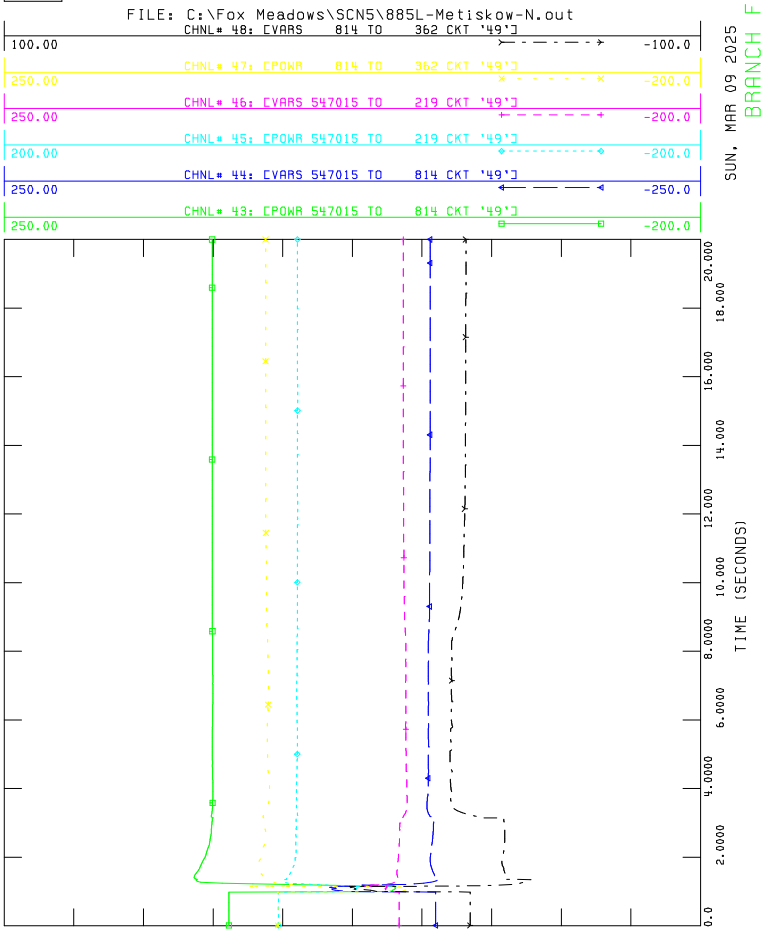


AESO ABO FOX MEADOWS-2028 SL
885L-METISKOW-NEAR

FILE: C:\Fox Meadows\SCN5\885L-Metiskow-N.out

SUN, MAR 09 2025 6:56

BRANCH FLOW

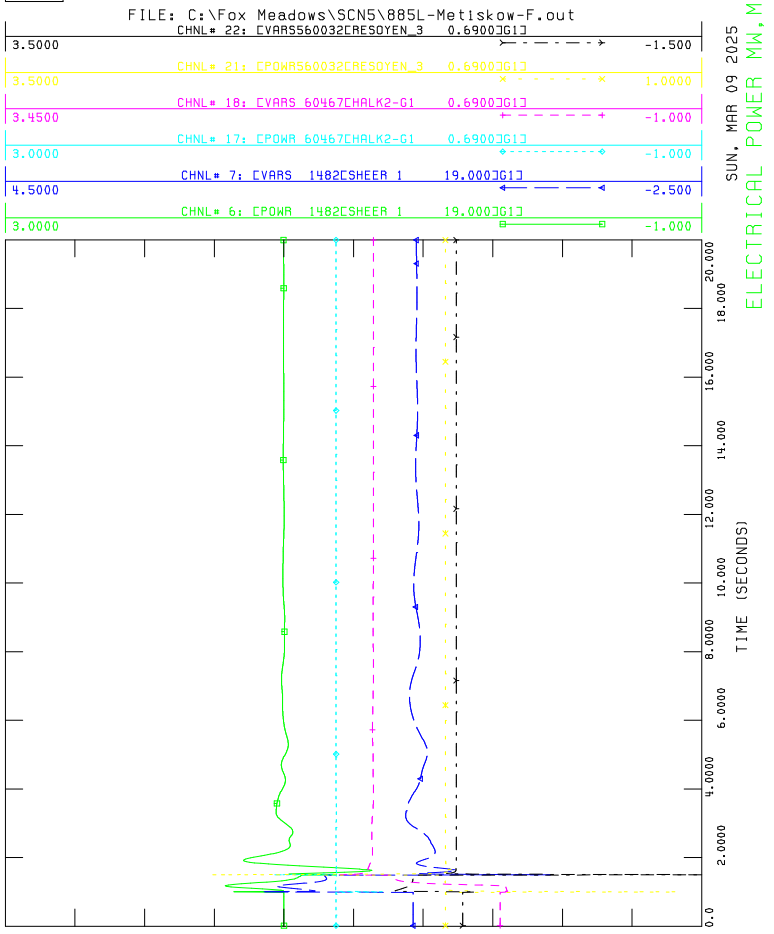


AESO ABO FOX MEADOWS-2028 SL
885L-METISKOW-FAR

FILE: C:\Fox Meadows\SCN5\885L-Metiskow-F.out

SUN, MAR 09 2025 6:56

ELECTRICAL POWER MW, MVAR

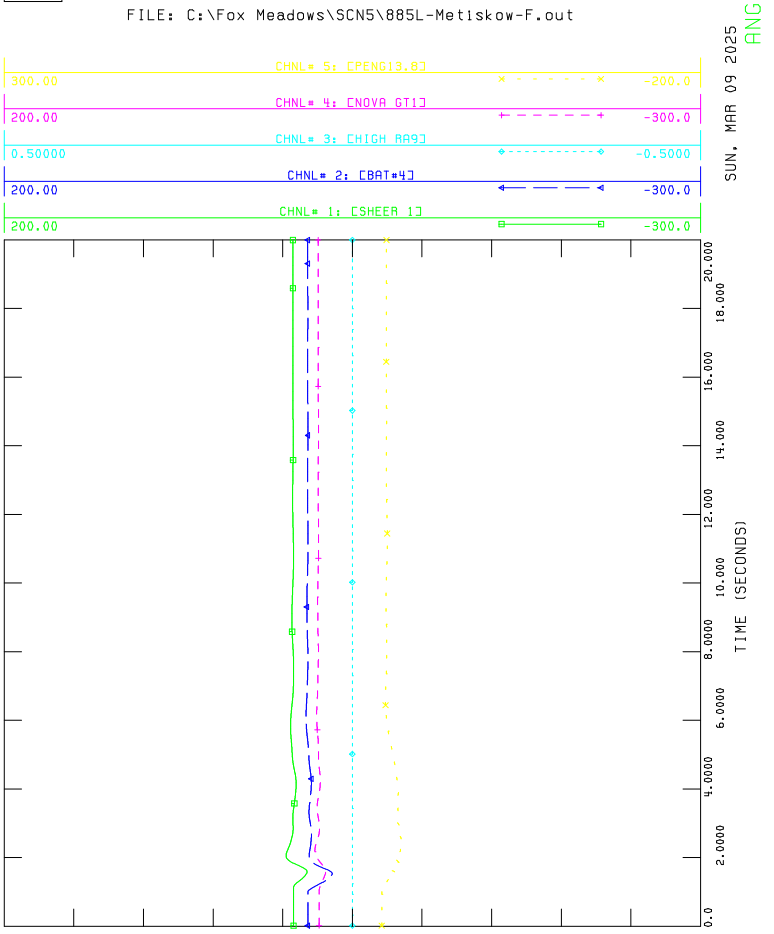


AESO ABO FOX MEADOWS-2028 SL
885L-METISKOW-FAR

FILE: C:\Fox Meadows\SCN5\885L-Metiskow-F.out

SUN, MAR 09 2025 6:56

ANGLES

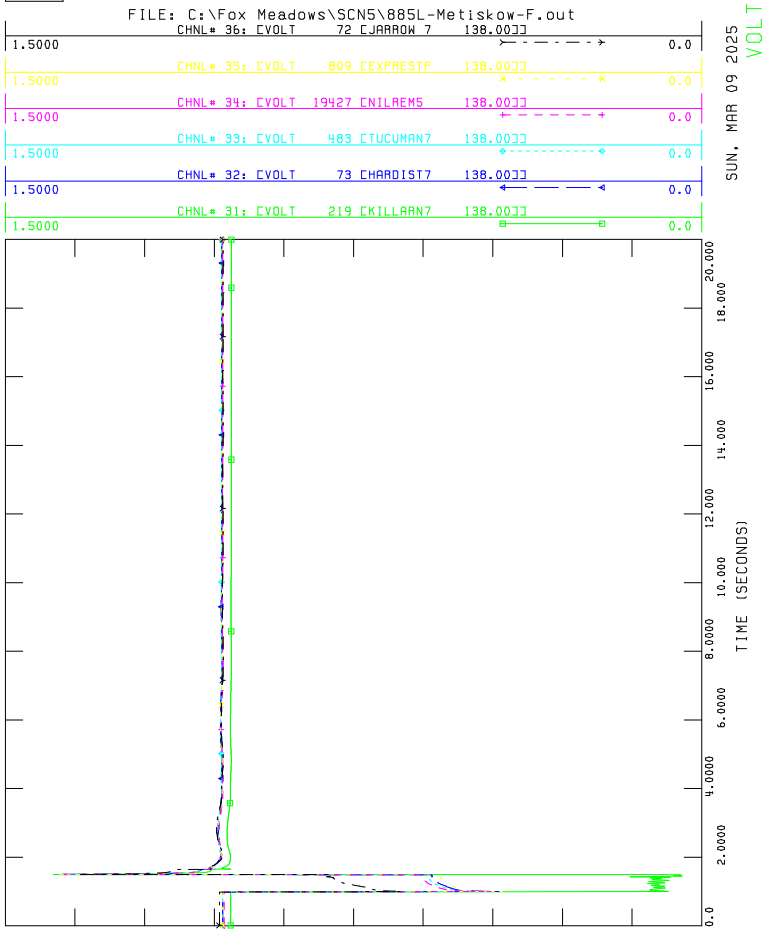


AESO ABO FOX MEADOWS-2028 SL
885L-METISKOW-FAR

FILE: C:\Fox Meadows\SCN5\885L-Metiskow-F.out

SUN, MAR 09 2025 6:56

VOLTAGE

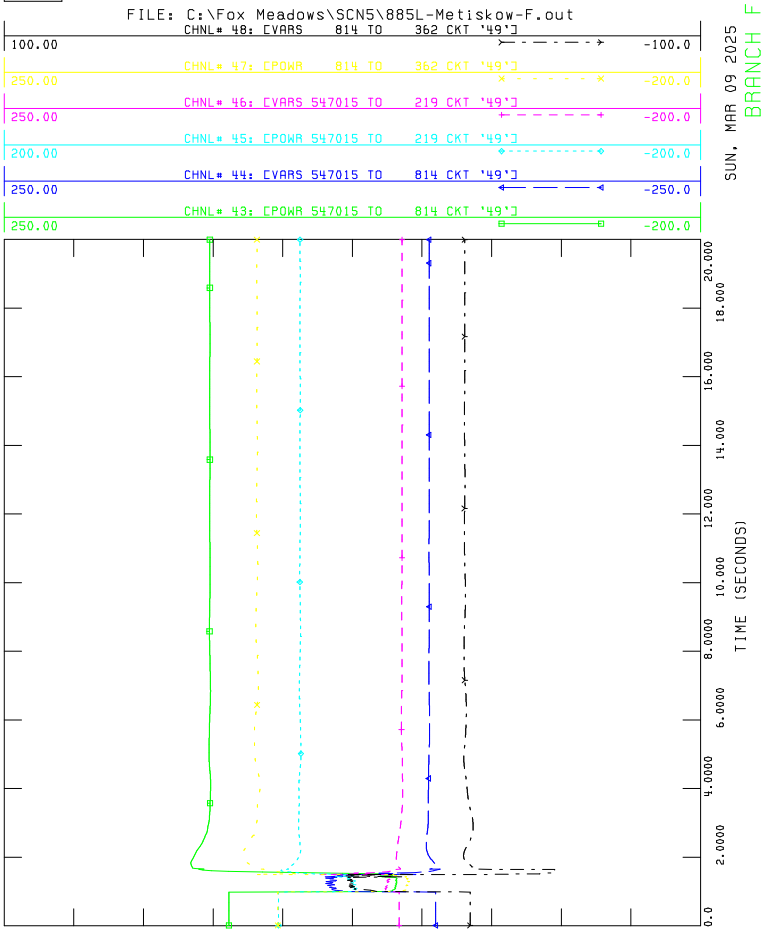


AESO ABO FOX MEADOWS-2028 SL
885L-METISKOW-FAR

FILE: C:\Fox Meadows\SCN5\885L-Metiskow-F.out

SUN, MAR 09 2025 6:56

BRANCH FLOW

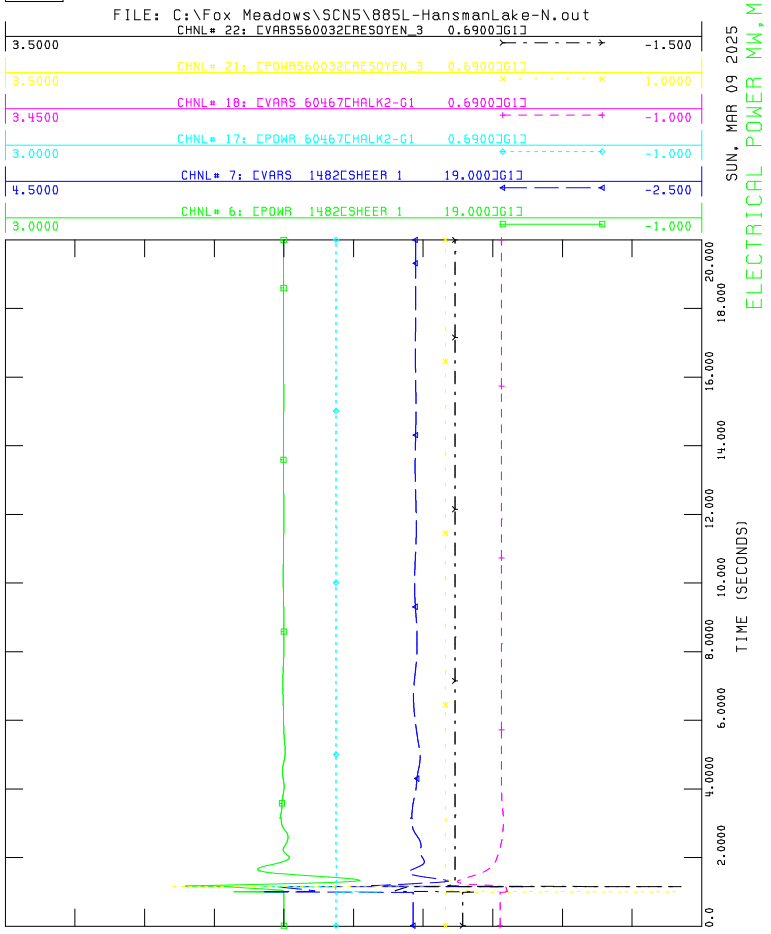


AESO ABO FOX MEADOWS-2028 SL
885L-HANSMAN-NEAR

FILE: C:\Fox Meadows\SCN5\885L-HansmanLake-N.out

SUN, MAR 09 2025 6:56

ELECTRICAL POWER MW, MVAR

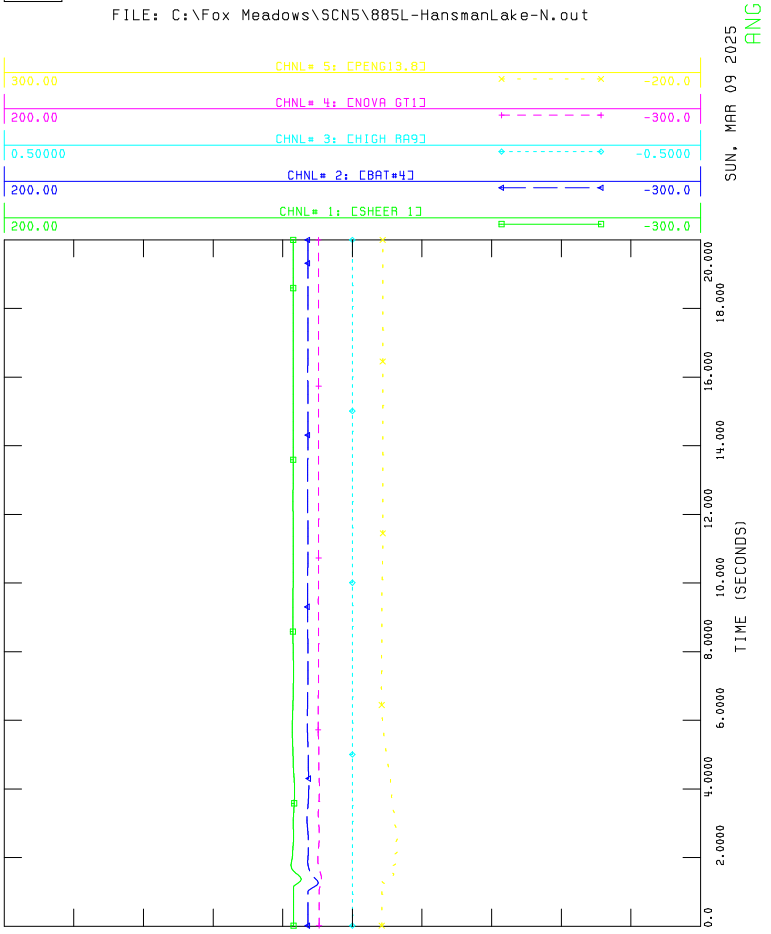


AESO ABO FOX MEADOWS-2028 SL
885L-HANSMAN-NEAR

FILE: C:\Fox Meadows\SCN5\885L-HansmanLake-N.out

SUN, MAR 09 2025 6:56

ANGLES

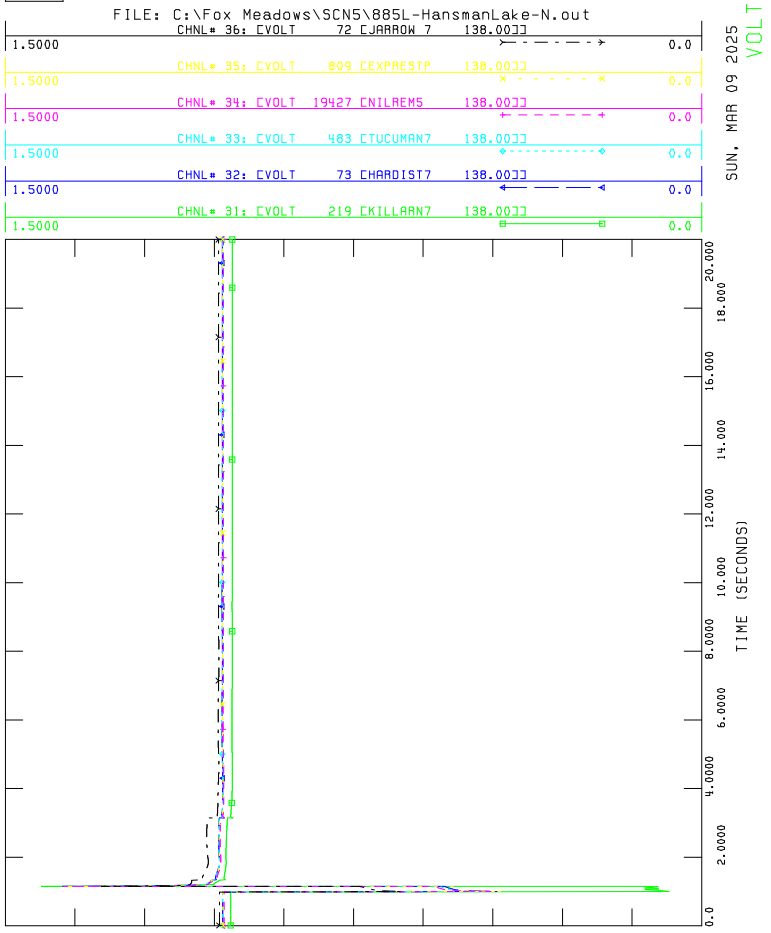


AESO ABO FOX MEADOWS-2028 SL
885L-HANSMAN-NEAR

FILE: C:\Fox Meadows\SCN5\885L-HansmanLake-N.out

SUN, MAR 09 2025 6:56

VOLTAGE

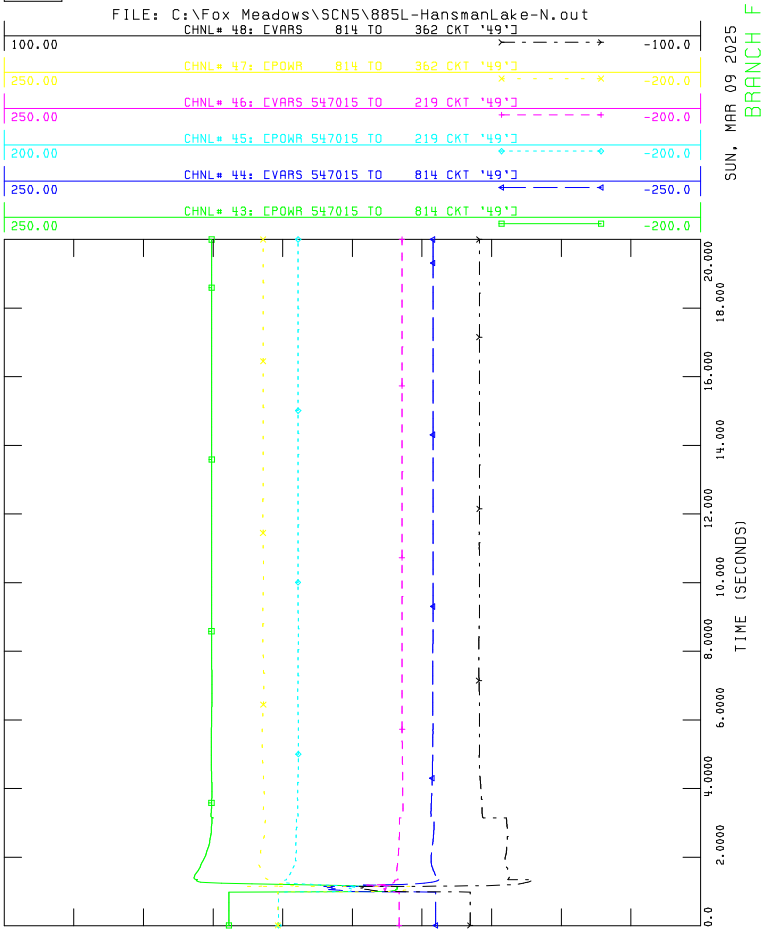


AESO ABO FOX MEADOWS-2028 SL
885L-HANSMAN-NEAR

FILE: C:\Fox Meadows\SCN5\885L-HansmanLake-N.out

SUN, MAR 09 2025 6:56

BRANCH FLOW



AESO ABO FOX MEADOWS-2028 SL
885L-HANSMAN-FAR

FILE: C:\Fox Meadows\SCN5\885L-HansmanLake-F.out

SUN, MAR 09 2025 6:56

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
3.5000 -1.500
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
3.5000 1.0000
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
3.4500 -1.000
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
3.0000 -1.000
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
4.5000 -2.500
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
3.0000 -1.000

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
885L-HANSMAN-FAR

FILE: C:\Fox Meadows\SCN5\885L-HansmanLake-F.out

SUN, MAR 09 2025 6:56

ANGLES

CHNL# 5: CPENG13.8J
300.00 -200.0
CHNL# 4: CNOVA GT1J
200.00 -300.0
CHNL# 3: CHIGH RA9J
0.50000 -0.5000
CHNL# 2: CBAT#4J
200.00 -300.0
CHNL# 1: CSHEER 1J
200.00 -300.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
885L-HANSMAN-FAR

FILE: C:\Fox Meadows\SCN5\885L-HansmanLake-F.out

SUN, MAR 09 2025 6:56

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
1.5000 0.0
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
1.5000 0.0
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
1.5000 0.0
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
1.5000 0.0
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
1.5000 0.0
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ
1.5000 0.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
885L-HANSMAN-FAR

FILE: C:\Fox Meadows\SCN5\885L-HansmanLake-F.out

SUN, MAR 09 2025 6:56

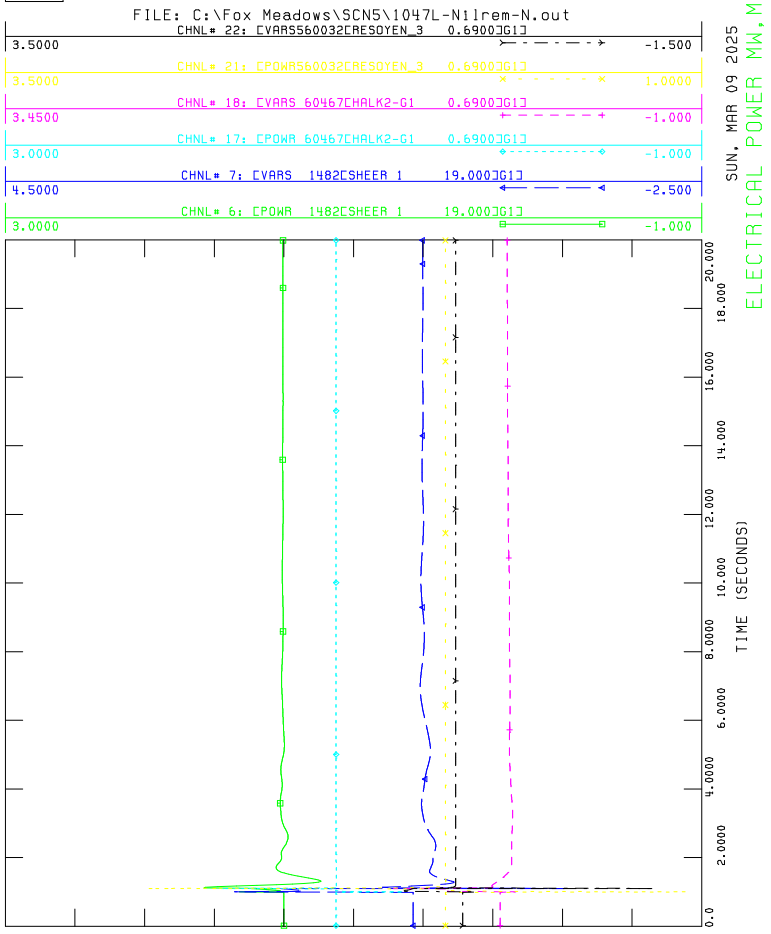
BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
100.00 -100.0
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
200.00 -200.0
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
250.00 -200.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

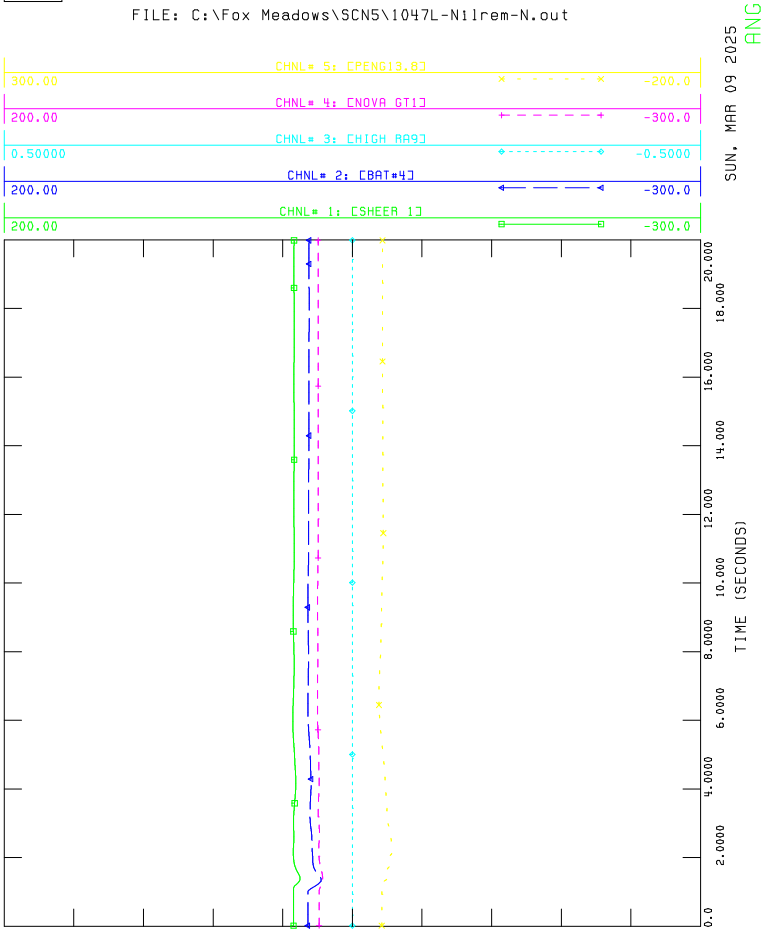
AESO ABO FOX MEADOWS-2028 SL
1047L-NILREM-NEAR

FILE: C:\Fox Meadows\SCN5\1047L-Nilrem-N.out



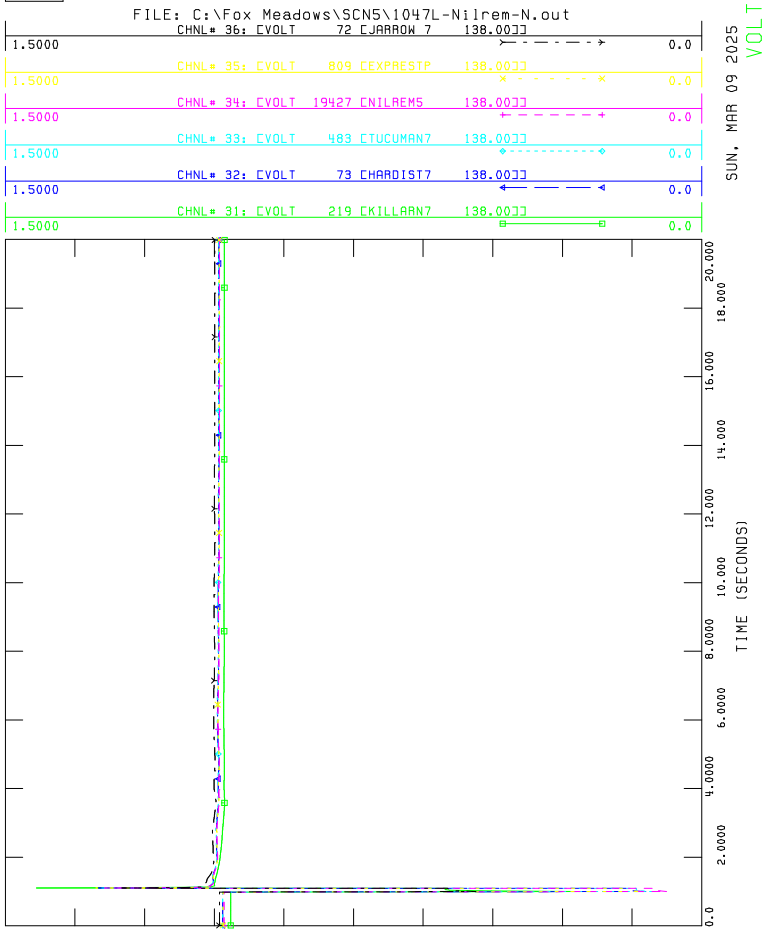
AESO ABO FOX MEADOWS-2028 SL
1047L-NILREM-NEAR

FILE: C:\Fox Meadows\SCN5\1047L-Nilrem-N.out



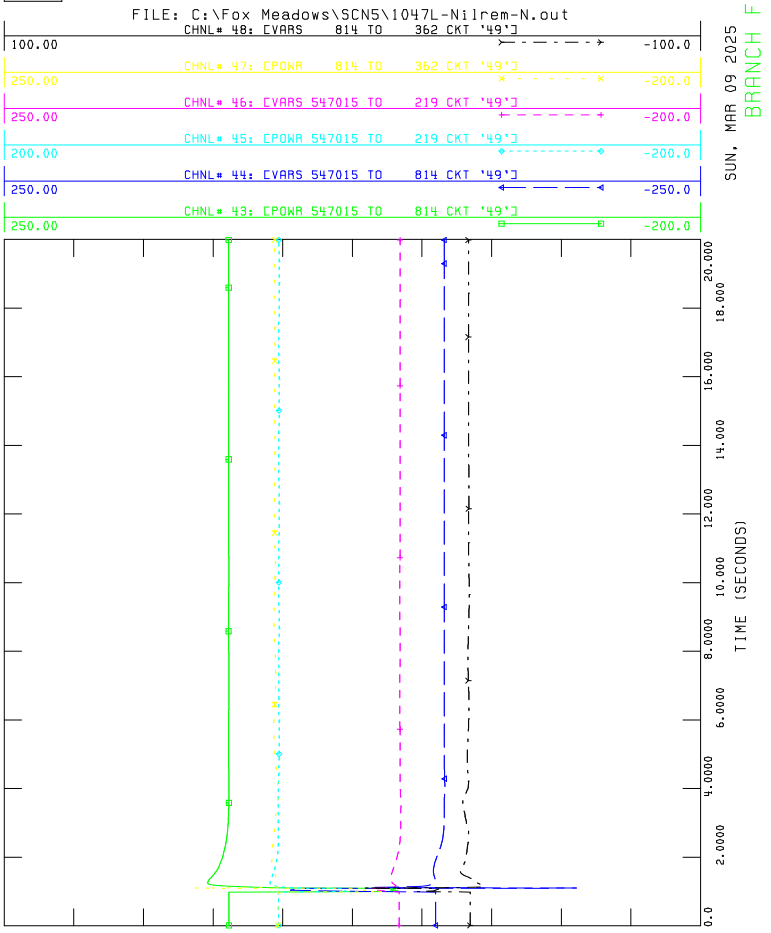
AESO ABO FOX MEADOWS-2028 SL
1047L-NILREM-NEAR

FILE: C:\Fox Meadows\SCN5\1047L-Nilrem-N.out



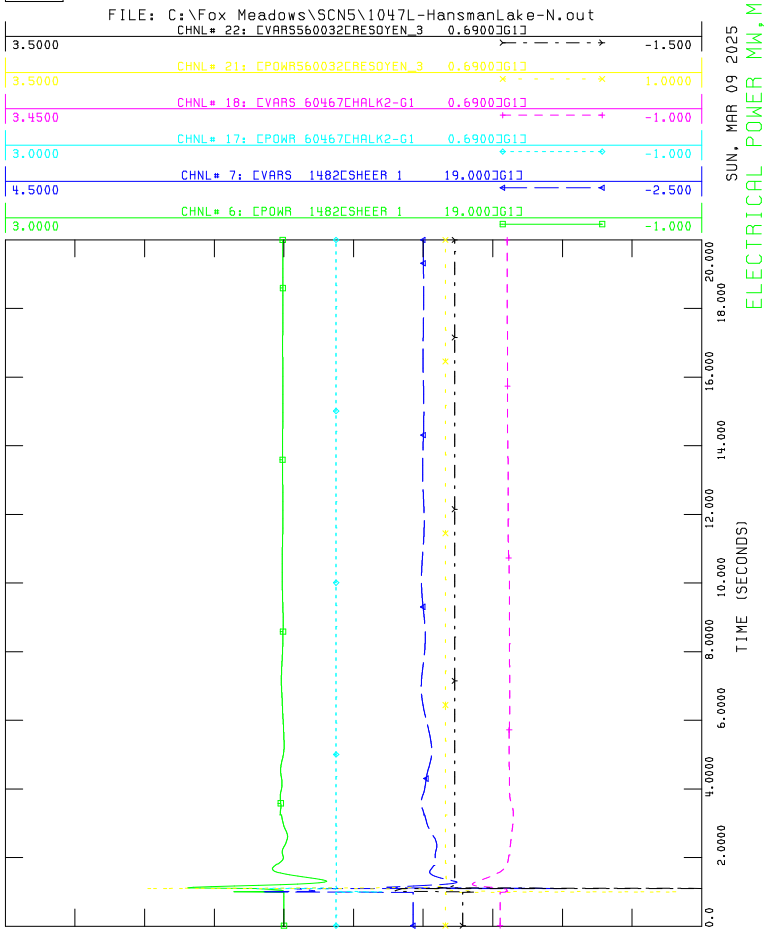
AESO ABO FOX MEADOWS-2028 SL
1047L-NILREM-NEAR

FILE: C:\Fox Meadows\SCN5\1047L-Nilrem-N.out



AESO ABO FOX MEADOWS-2028 SL
1047L-HANSMAN-NEAR

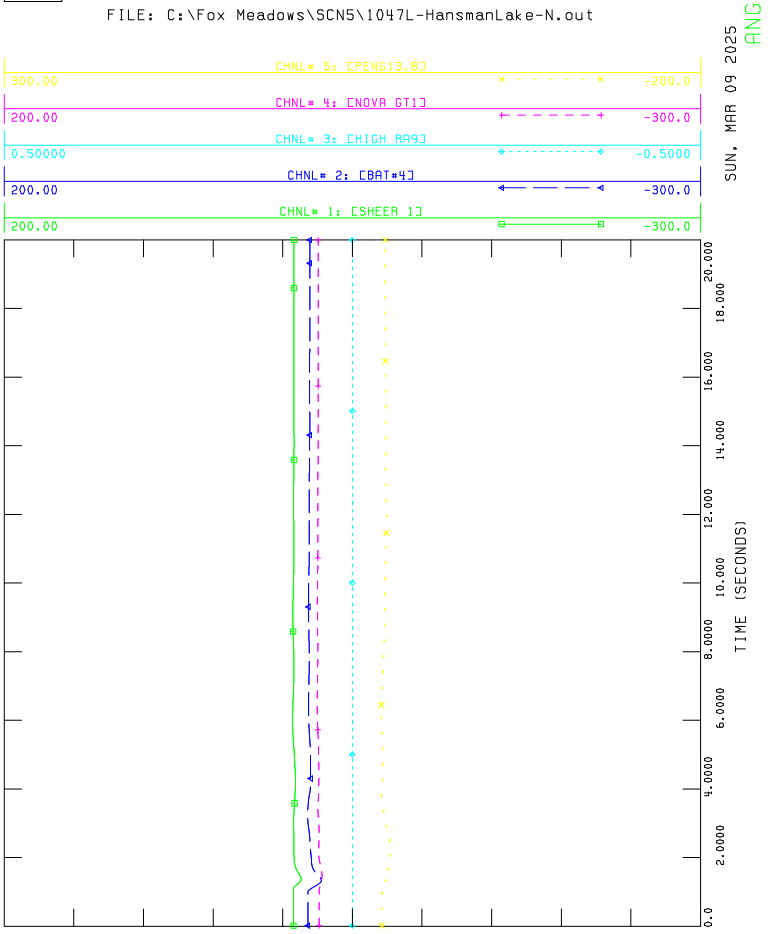
FILE: C:\Fox Meadows\SCN5\1047L-HansmanLake-N.out



SUN, MAR 09 2025 6:56
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SL
1047L-HANSMAN-NEAR

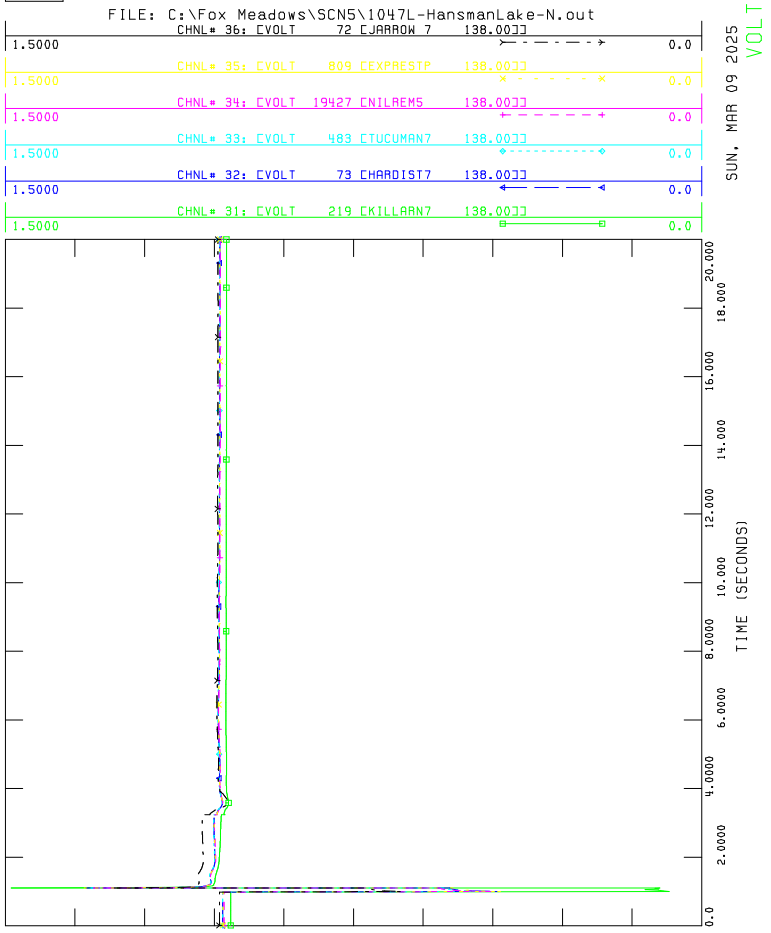
FILE: C:\Fox Meadows\SCN5\1047L-HansmanLake-N.out



SUN, MAR 09 2025 6:56
ANGLES

AESO ABO FOX MEADOWS-2028 SL
1047L-HANSMAN-NEAR

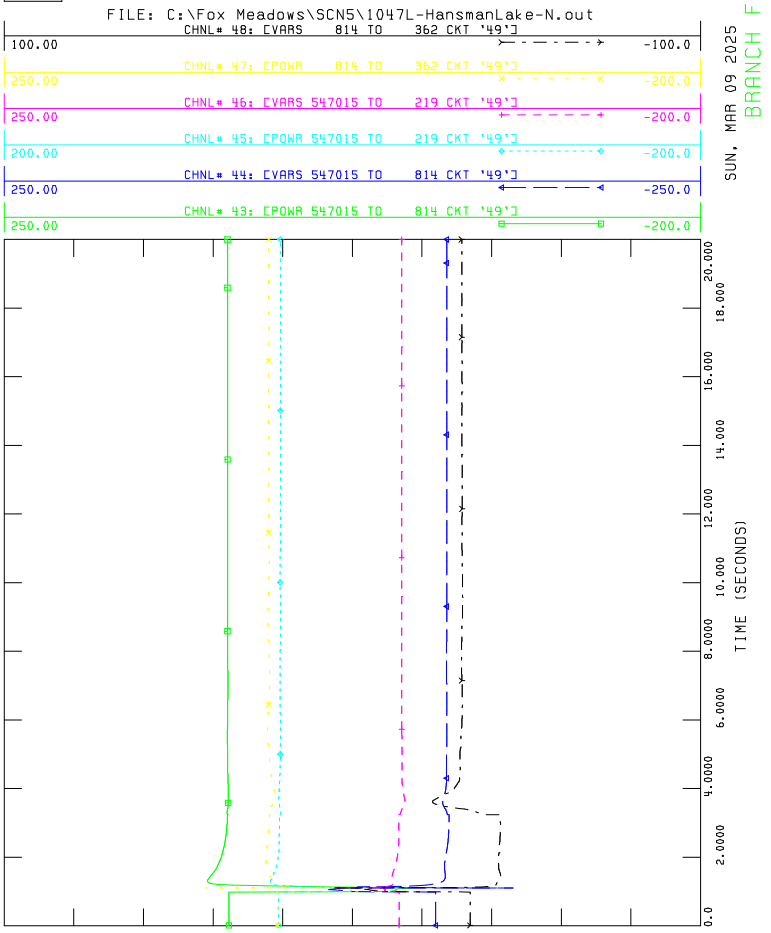
FILE: C:\Fox Meadows\SCN5\1047L-HansmanLake-N.out



SUN, MAR 09 2025 6:56
VOLTAGE

AESO ABO FOX MEADOWS-2028 SL
1047L-HANSMAN-NEAR

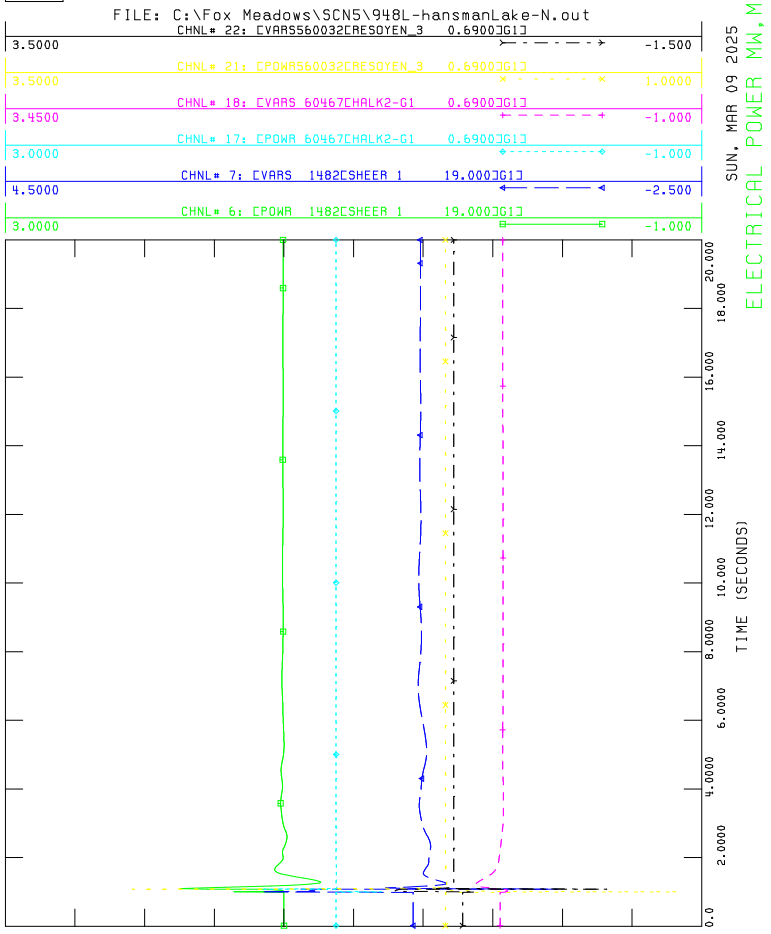
FILE: C:\Fox Meadows\SCN5\1047L-HansmanLake-N.out



SUN, MAR 09 2025 6:56
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SL
948L-HANSMAN-NEAR

FILE: C:\Fox Meadows\SCN5\948L-hansmanLake-N.out

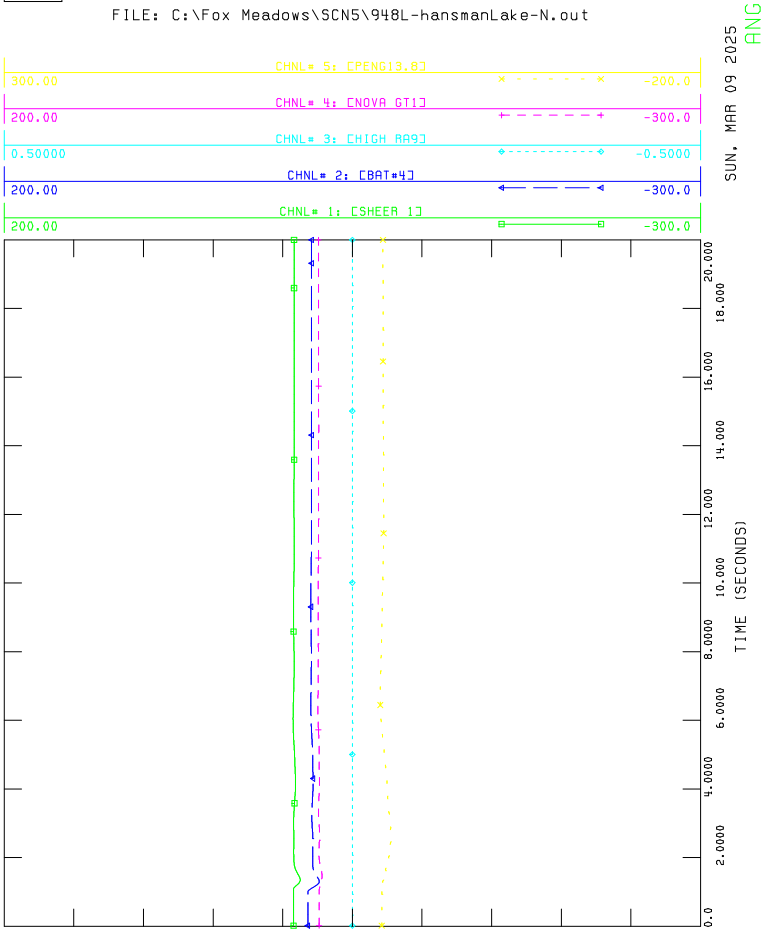


SUN, MAR 09 2025 6:56

ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SL
948L-HANSMAN-NEAR

FILE: C:\Fox Meadows\SCN5\948L-hansmanLake-N.out

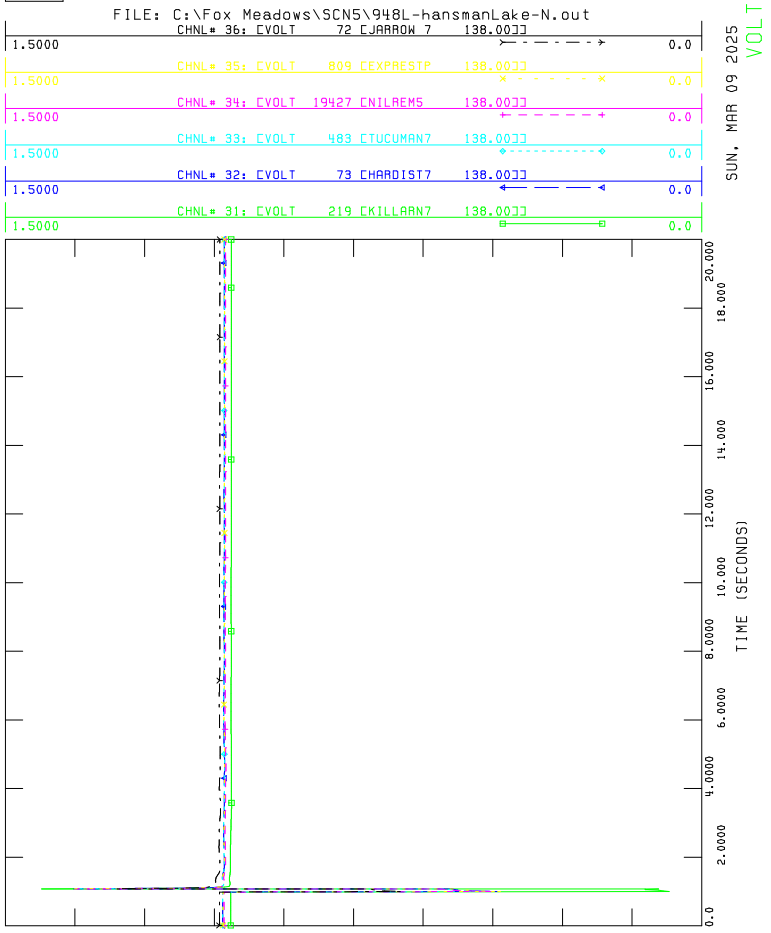


SUN, MAR 09 2025 6:56

ANGLES

AESO ABO FOX MEADOWS-2028 SL
948L-HANSMAN-NEAR

FILE: C:\Fox Meadows\SCN5\948L-hansmanLake-N.out

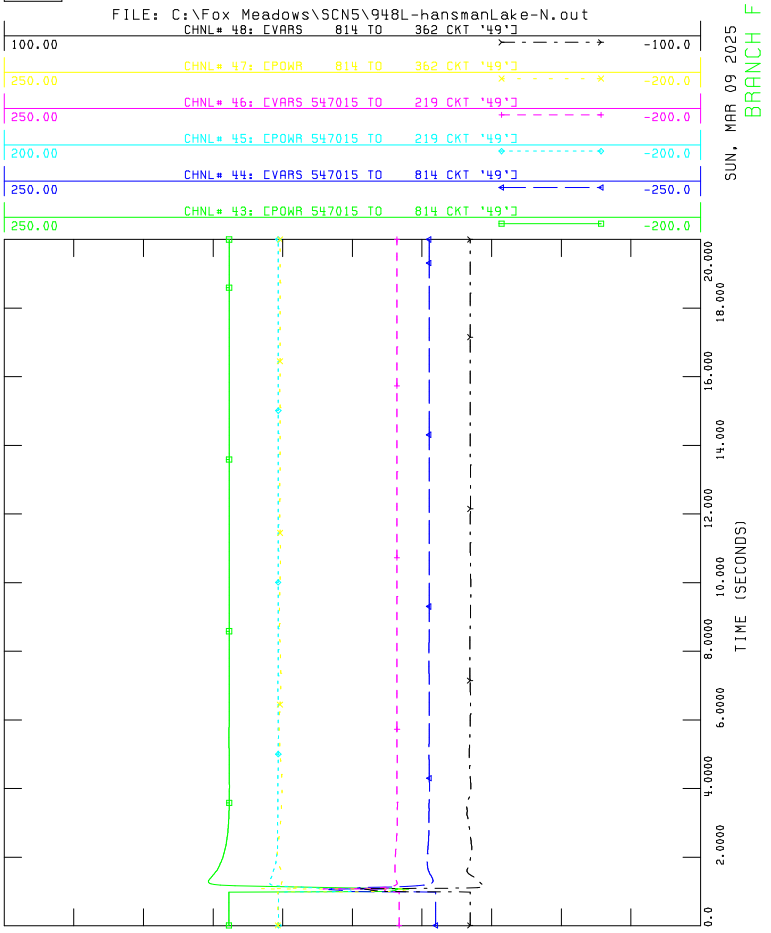


SUN, MAR 09 2025 6:56

VOLTAGE

AESO ABO FOX MEADOWS-2028 SL
948L-HANSMAN-NEAR

FILE: C:\Fox Meadows\SCN5\948L-hansmanLake-N.out



SUN, MAR 09 2025 6:56

BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SL
948L-HANSMAN-FAR

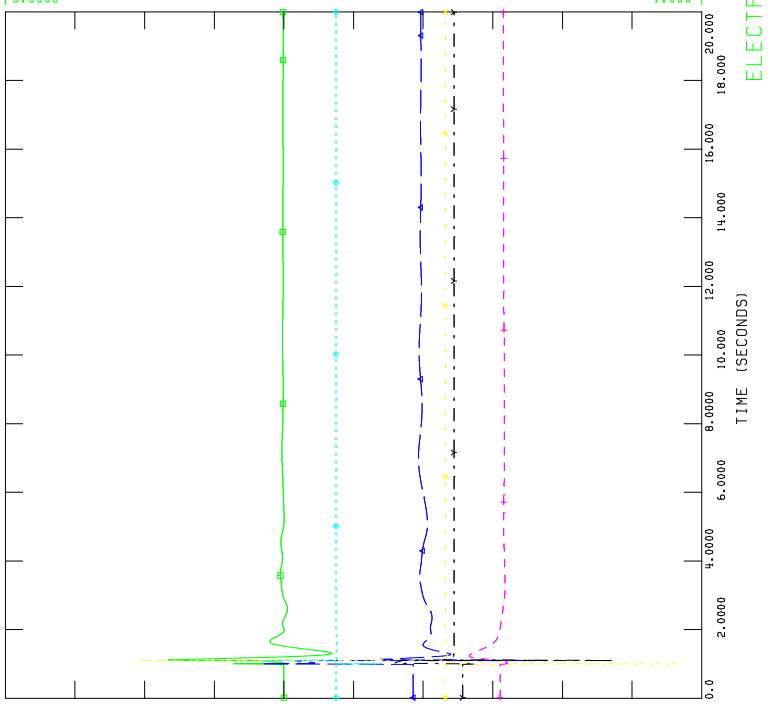
FILE: C:\Fox Meadows\SCN5\948L-hansmanLake-F.out

SUN, MAR 09 2025 6:56

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
3.5000 -1.500
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
3.5000 1.0000
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
3.4500 -1.000
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
3.0000 -1.000
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
4.5000 -2.500
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
3.0000 -1.000

TIME (SECONDS)



AESO ABO FOX MEADOWS-2028 SL
948L-HANSMAN-FAR

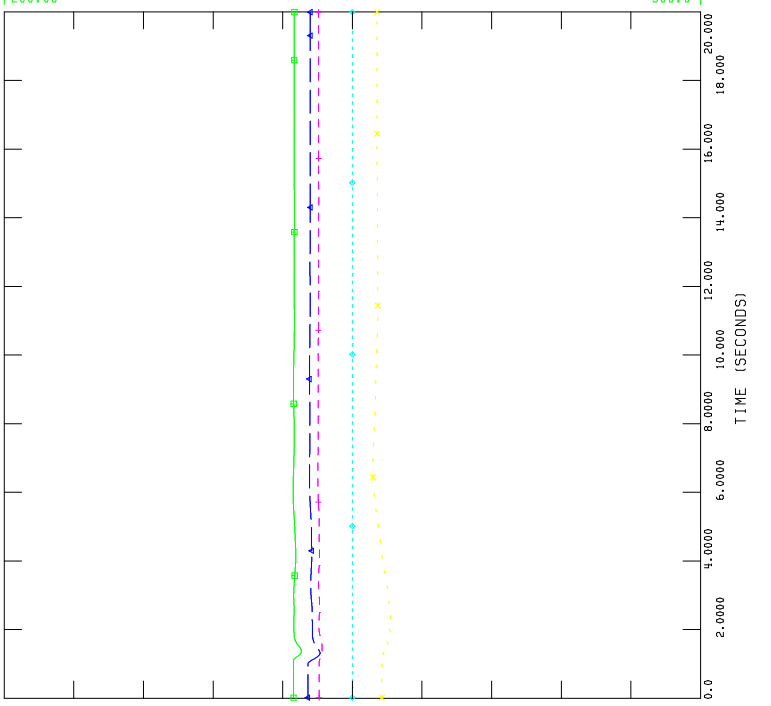
FILE: C:\Fox Meadows\SCN5\948L-hansmanLake-F.out

SUN, MAR 09 2025 6:56

ANGLES

CHNL# 5: CPENG13.8J
300.00 -200.0
CHNL# 4: CNOVA GT1J
200.00 -300.0
CHNL# 3: CHIGH RA9J
0.50000 -0.5000
CHNL# 2: CBAT#4J
200.00 -300.0
CHNL# 1: CSHEER 1J
200.00 -300.0

TIME (SECONDS)



AESO ABO FOX MEADOWS-2028 SL
948L-HANSMAN-FAR

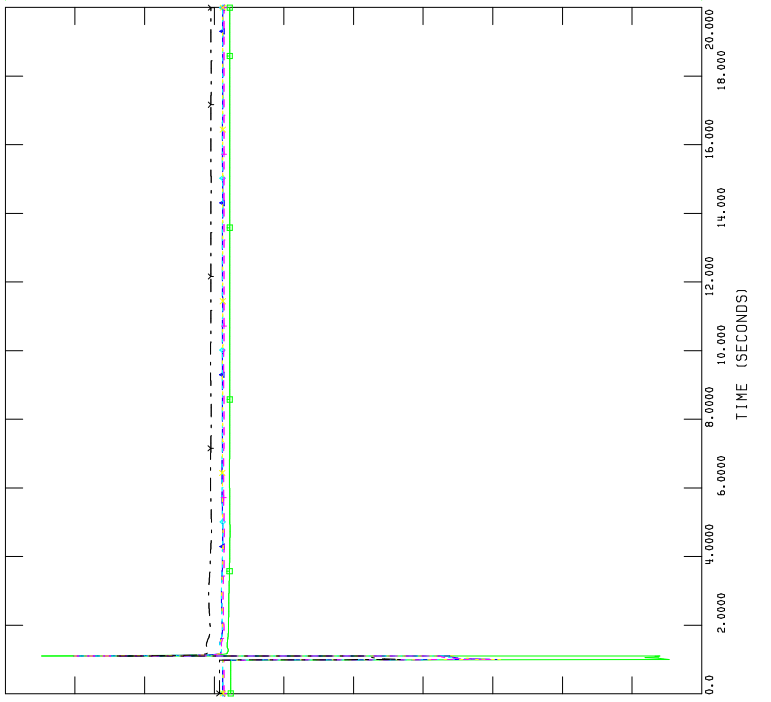
FILE: C:\Fox Meadows\SCN5\948L-hansmanLake-F.out

SUN, MAR 09 2025 6:56

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
1.5000 0.0
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
1.5000 0.0
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
1.5000 0.0
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
1.5000 0.0
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
1.5000 0.0
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ
1.5000 0.0

TIME (SECONDS)



AESO ABO FOX MEADOWS-2028 SL
948L-HANSMAN-FAR

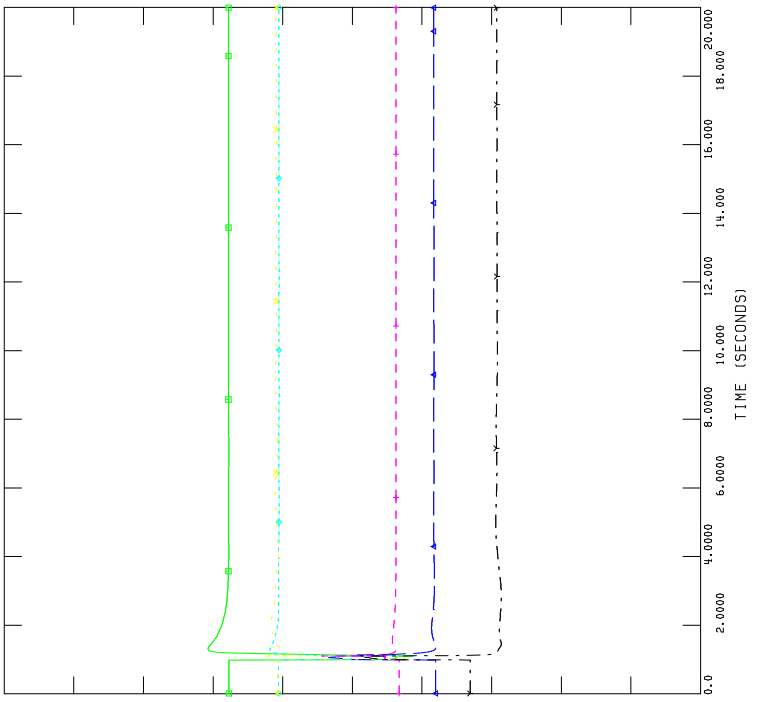
FILE: C:\Fox Meadows\SCN5\948L-hansmanLake-F.out

SUN, MAR 09 2025 6:56

BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
100.00 -100.0
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
200.00 -200.0
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
250.00 -200.0

TIME (SECONDS)



AESO ABO FOX MEADOWS-2028 SL
948L-PAINTEARTH-NEAR

FILE: C:\Fox Meadows\SCN5\948L-Paintearth-N.out

SUN, MAR 09 2025 6:56

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
3.5000 -1.500
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
3.5000 1.0000
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
3.4500 -1.000
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
3.0000 -1.000
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
4.5000 -2.500
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
3.0000 -1.000

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
948L-PAINTEARTH-NEAR

FILE: C:\Fox Meadows\SCN5\948L-Paintearth-N.out

SUN, MAR 09 2025 6:56

ANGLES

CHNL# 5: CPENG13.8J
300.00 -200.0
CHNL# 4: CNOVA GT1J
200.00 -300.0
CHNL# 3: CHIGH RA9J
0.50000 -0.5000
CHNL# 2: CBAT#4J
200.00 -300.0
CHNL# 1: CSHEER 1J
200.00 -300.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
948L-PAINTEARTH-NEAR

FILE: C:\Fox Meadows\SCN5\948L-Paintearth-N.out

SUN, MAR 09 2025 6:56

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
1.5000 0.0
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
1.5000 0.0
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
1.5000 0.0
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
1.5000 0.0
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
1.5000 0.0
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ
1.5000 0.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
948L-PAINTEARTH-NEAR

FILE: C:\Fox Meadows\SCN5\948L-Paintearth-N.out

SUN, MAR 09 2025 6:56

BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
100.00 -100.0
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
200.00 -200.0
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
250.00 -200.0

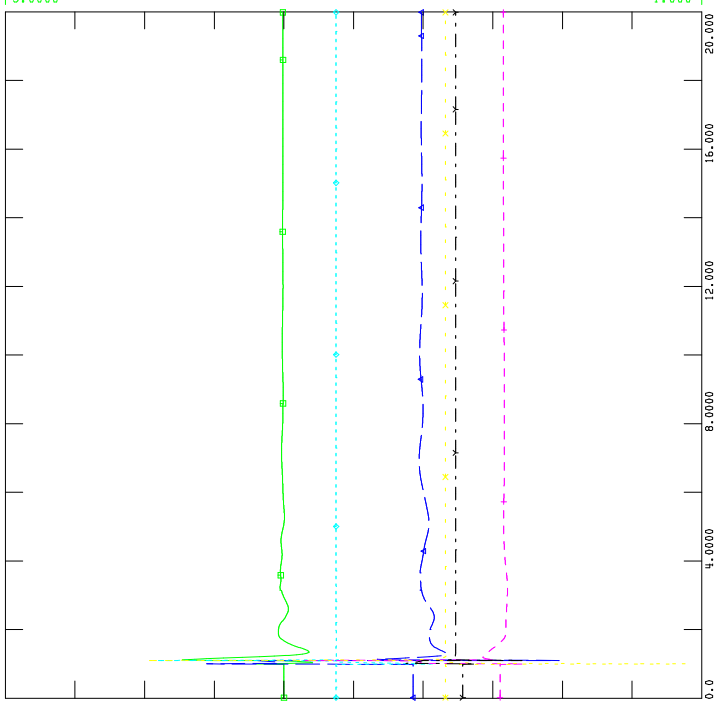
TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
948L-PAINTEARTH-FAR

FILE: C:\Fox Meadows\SCN5\948L-Paintearth-F.out

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
3.5000 -1.500
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
3.5000 1.0000
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
3.4500 -1.000
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
3.0000 -1.000
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
4.5000 -2.500
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
3.0000 -1.000

SUN, MAR 09 2025 6:56
ELECTRICAL POWER MW, MVAR

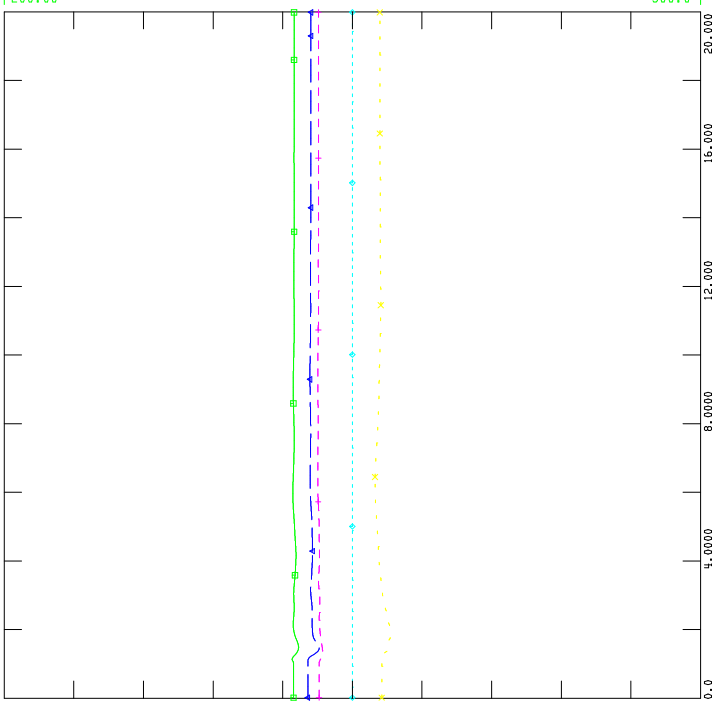


AESO ABO FOX MEADOWS-2028 SL
948L-PAINTEARTH-FAR

FILE: C:\Fox Meadows\SCN5\948L-Paintearth-F.out

CHNL# 5: CPENG13.8J
300.00 -200.0
CHNL# 4: CNOVA GT1J
200.00 -300.0
CHNL# 3: CHIGH RA9J
0.50000 -0.5000
CHNL# 2: CBAT#4J
200.00 -300.0
CHNL# 1: CSHEER 1J
200.00 -300.0

SUN, MAR 09 2025 6:56
ANGLES

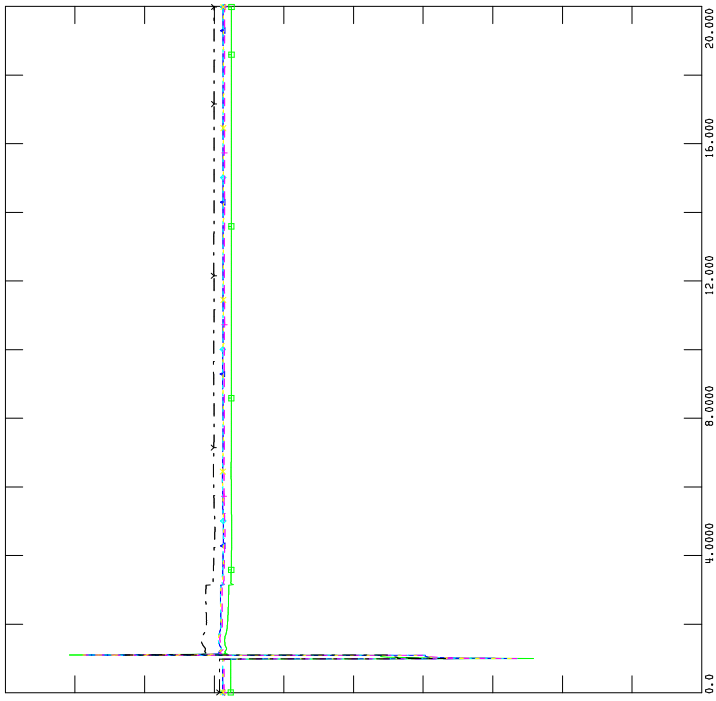


AESO ABO FOX MEADOWS-2028 SL
948L-PAINTEARTH-FAR

FILE: C:\Fox Meadows\SCN5\948L-Paintearth-F.out

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
1.5000 0.0
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
1.5000 0.0
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
1.5000 0.0
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
1.5000 0.0
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
1.5000 0.0
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ
1.5000 0.0

SUN, MAR 09 2025 6:56
VOLTAGE

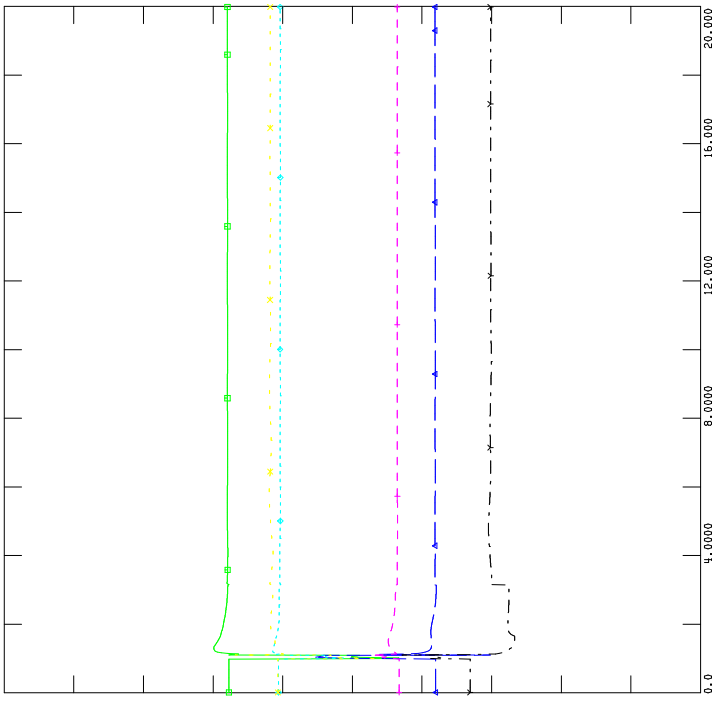


AESO ABO FOX MEADOWS-2028 SL
948L-PAINTEARTH-FAR

FILE: C:\Fox Meadows\SCN5\948L-Paintearth-F.out

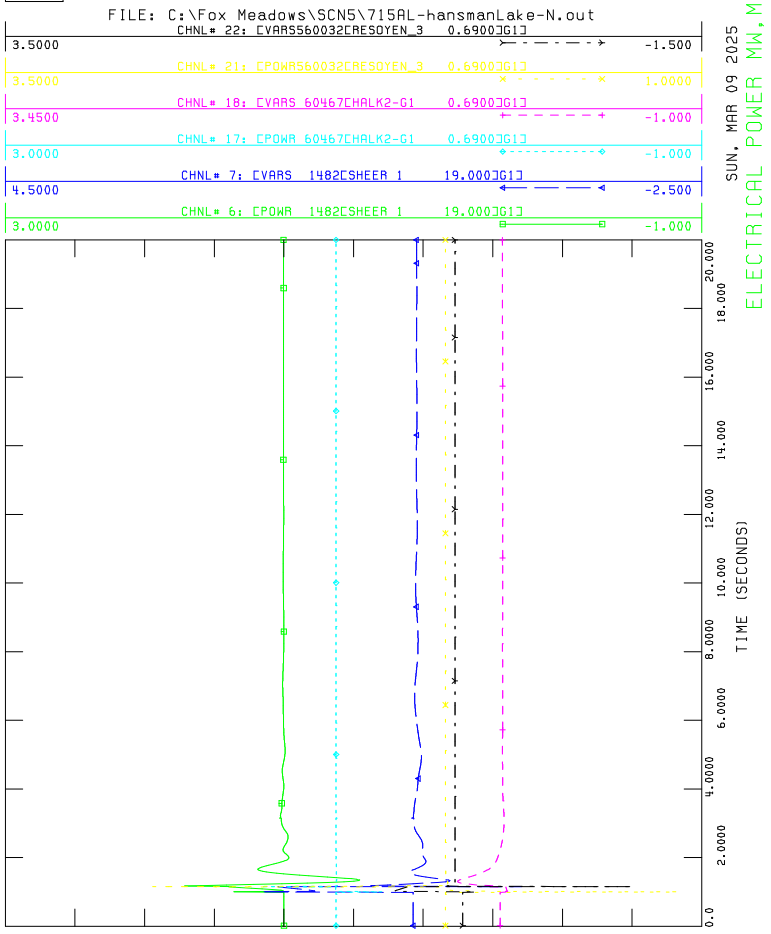
CHNL# 48: CVARS 814 TO 362 CKT '49'J
100.00 -100.0
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
200.00 -200.0
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
250.00 -200.0

SUN, MAR 09 2025 6:56
BRANCH FLOW



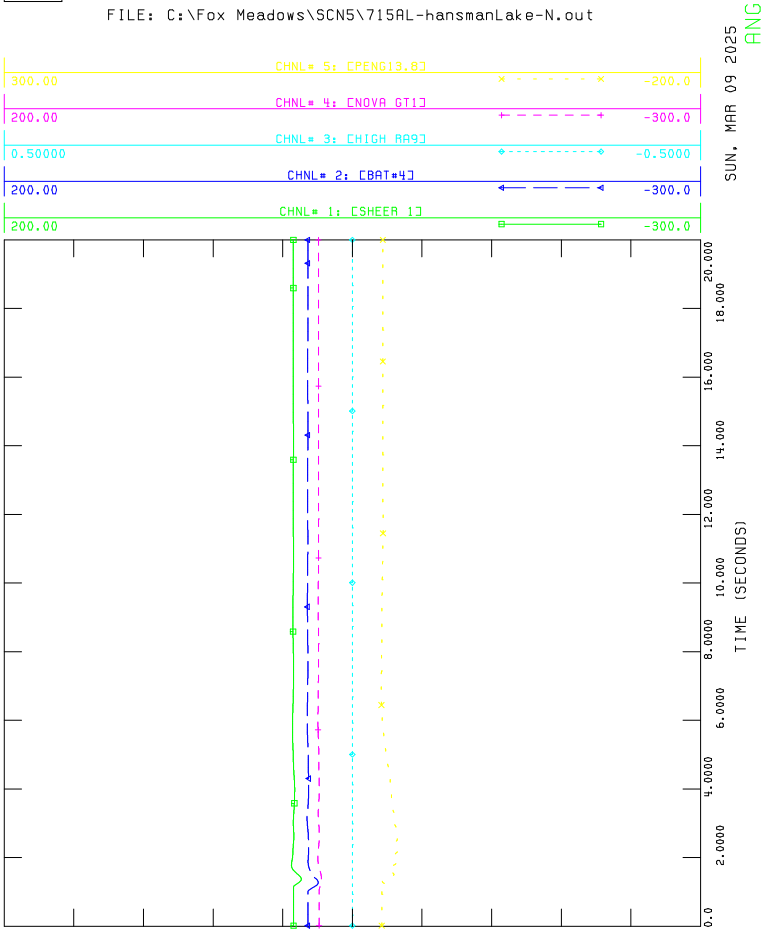
AESO ABO FOX MEADOWS-2028 SL
715L-PROVOST-NEAR

FILE: C:\Fox Meadows\SCN5\715AL-hansmanLake-N.out



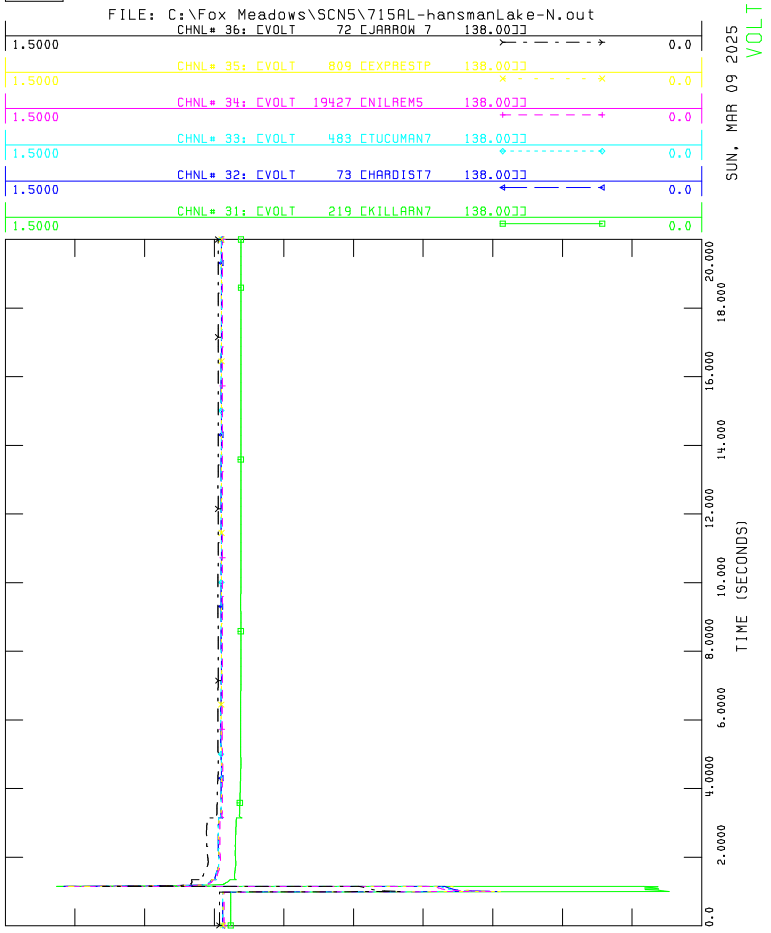
AESO ABO FOX MEADOWS-2028 SL
715L-PROVOST-NEAR

FILE: C:\Fox Meadows\SCN5\715AL-hansmanLake-N.out



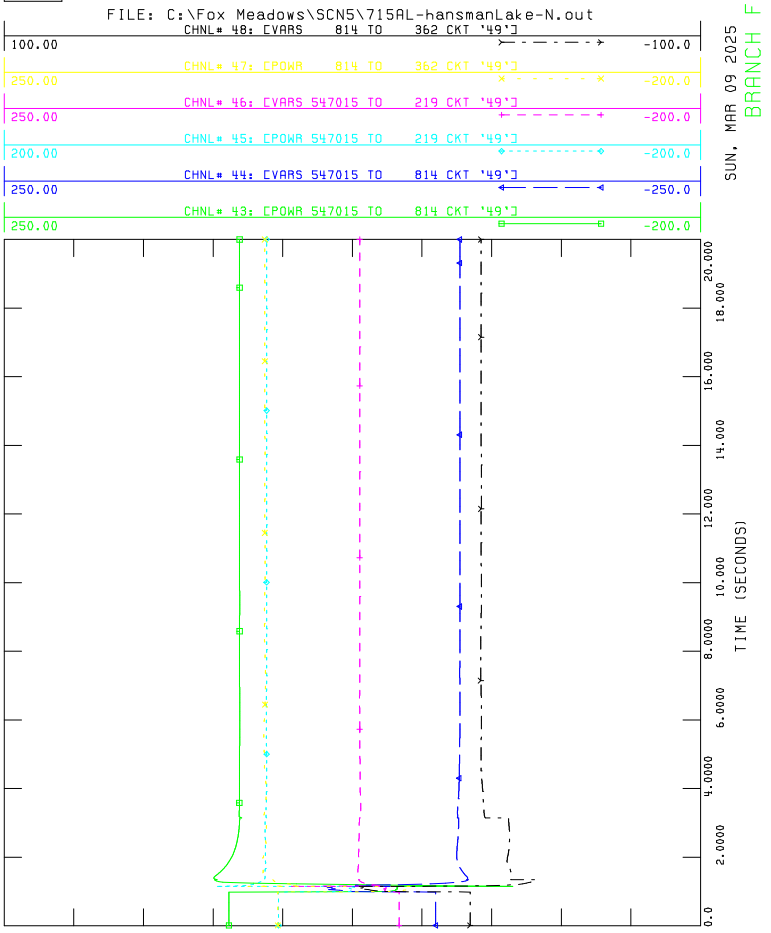
AESO ABO FOX MEADOWS-2028 SL
715L-PROVOST-NEAR

FILE: C:\Fox Meadows\SCN5\715AL-hansmanLake-N.out



AESO ABO FOX MEADOWS-2028 SL
715L-PROVOST-NEAR

FILE: C:\Fox Meadows\SCN5\715AL-hansmanLake-N.out



AESO ABO FOX MEADOWS-2028 SL
715L-PROVOST-FAR

FILE: C:\Fox Meadows\SCN5\715AL-hansmanLake-F.out

SUN, MAR 09 2025 6:56

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
3.5000 -1.500
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
3.5000 1.0000
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
3.4500 -1.000
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
3.0000 -1.000
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
4.5000 -2.500
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
3.0000 -1.000

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
715L-PROVOST-FAR

FILE: C:\Fox Meadows\SCN5\715AL-hansmanLake-F.out

SUN, MAR 09 2025 6:56

ANGLES

CHNL# 5: CPENG13.8J
300.00 -200.0
CHNL# 4: CNOVA GT1J
200.00 -300.0
CHNL# 3: CHIGH RA9J
0.50000 -0.5000
CHNL# 2: CBAT#4J
200.00 -300.0
CHNL# 1: CSHEER 1J
200.00 -300.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
715L-PROVOST-FAR

FILE: C:\Fox Meadows\SCN5\715AL-hansmanLake-F.out

SUN, MAR 09 2025 6:56

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJJ
1.5000 0.0
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJJ
1.5000 0.0
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJJ
1.5000 0.0
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJJ
1.5000 0.0
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJJ
1.5000 0.0
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJJ
1.5000 0.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
715L-PROVOST-FAR

FILE: C:\Fox Meadows\SCN5\715AL-hansmanLake-F.out

SUN, MAR 09 2025 6:56

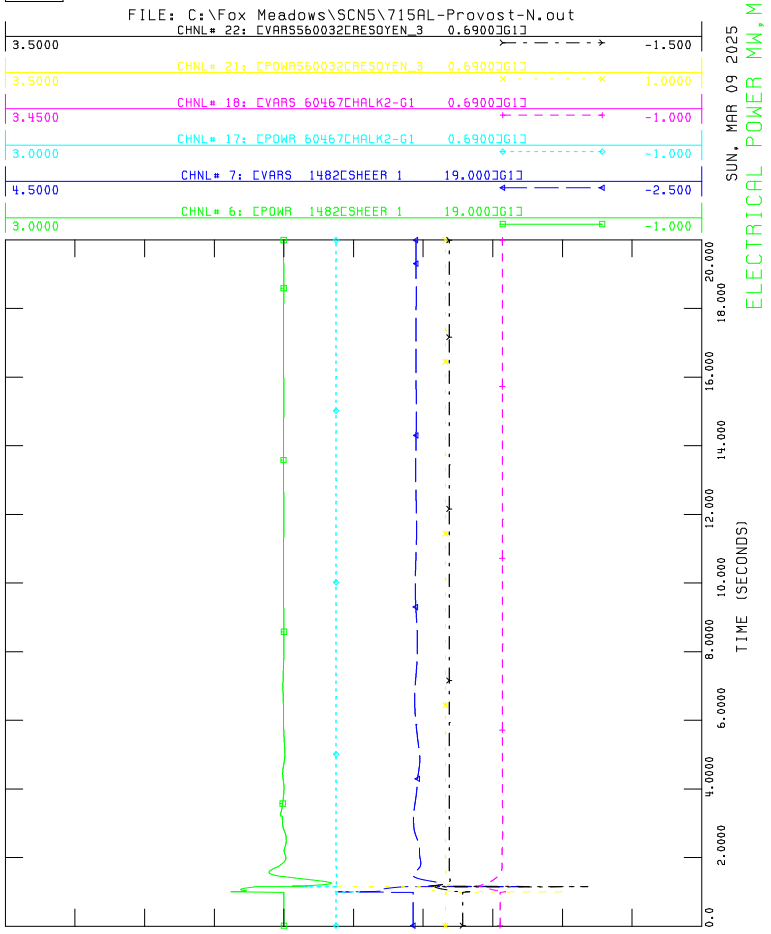
BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
100.00 -100.0
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
200.00 -200.0
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
250.00 -200.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
715L-PROVOST-NEAR

FILE: C:\Fox Meadows\SCN5\715AL-Provost-N.out

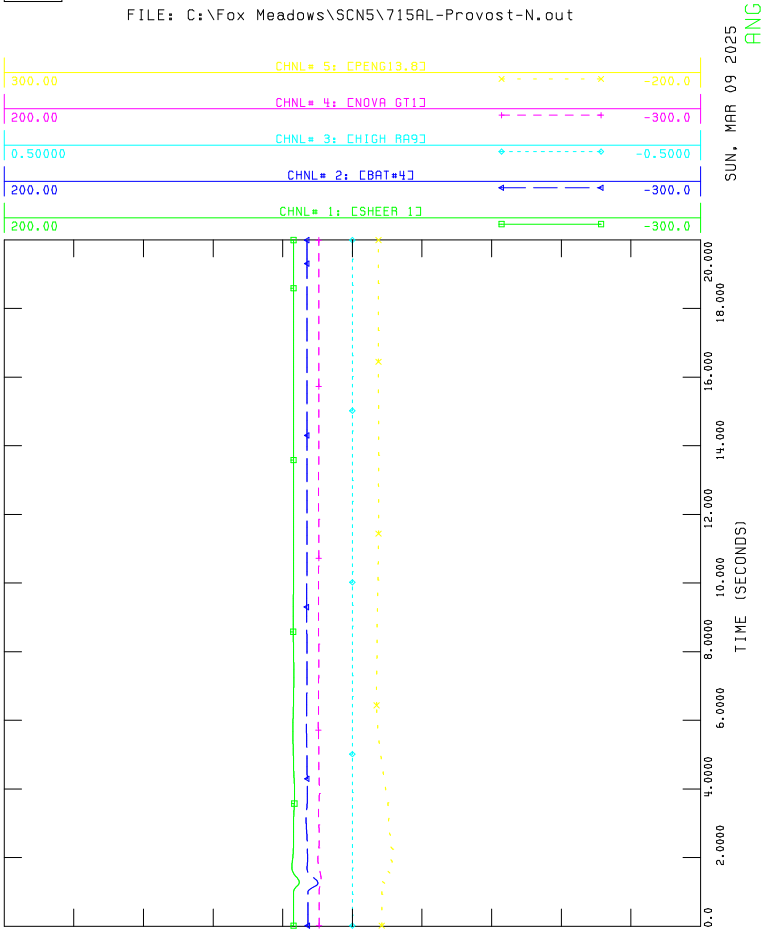


SUN, MAR 09 2025 6:56

ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SL
715L-PROVOST-NEAR

FILE: C:\Fox Meadows\SCN5\715AL-Provost-N.out

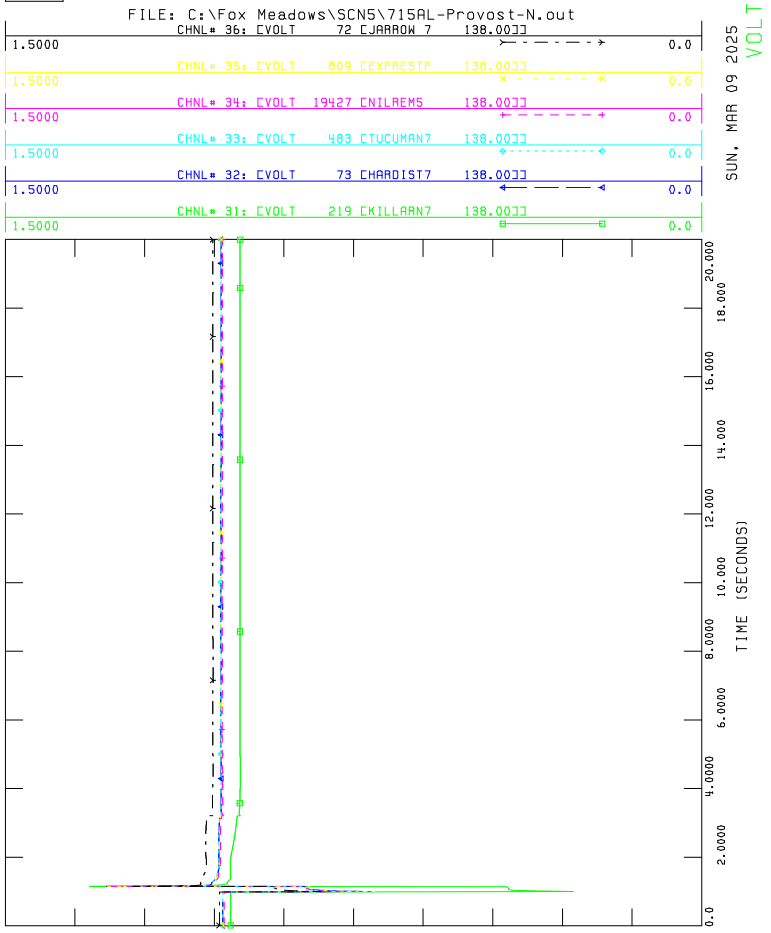


SUN, MAR 09 2025 6:56

ANGLES

AESO ABO FOX MEADOWS-2028 SL
715L-PROVOST-NEAR

FILE: C:\Fox Meadows\SCN5\715AL-Provost-N.out

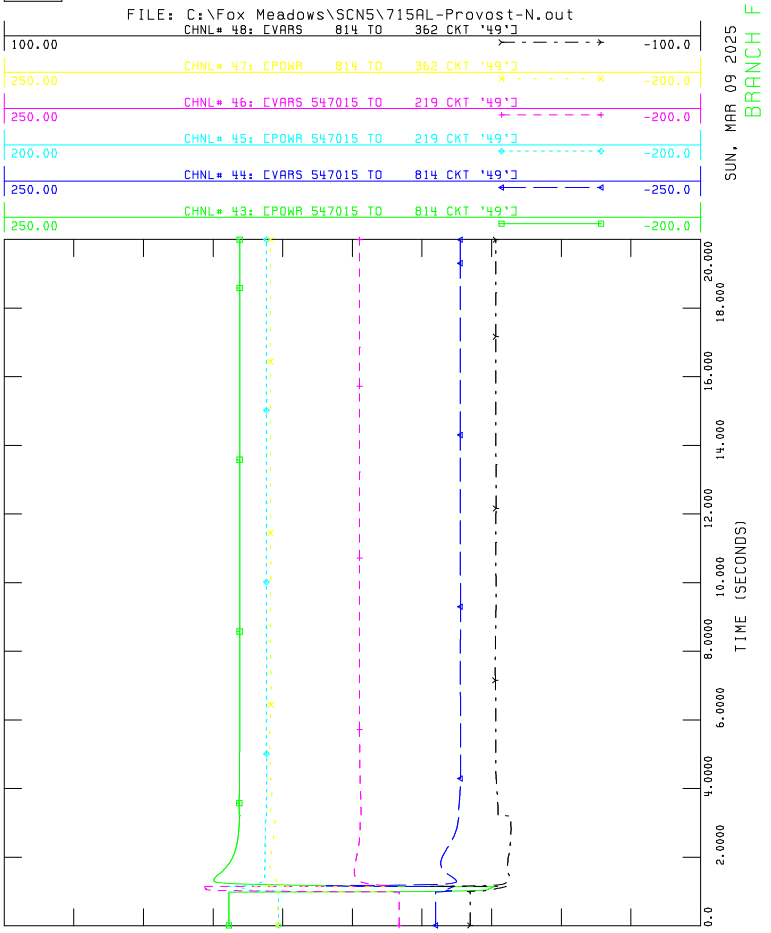


SUN, MAR 09 2025 6:56

VOLTAGE

AESO ABO FOX MEADOWS-2028 SL
715L-PROVOST-NEAR

FILE: C:\Fox Meadows\SCN5\715AL-Provost-N.out

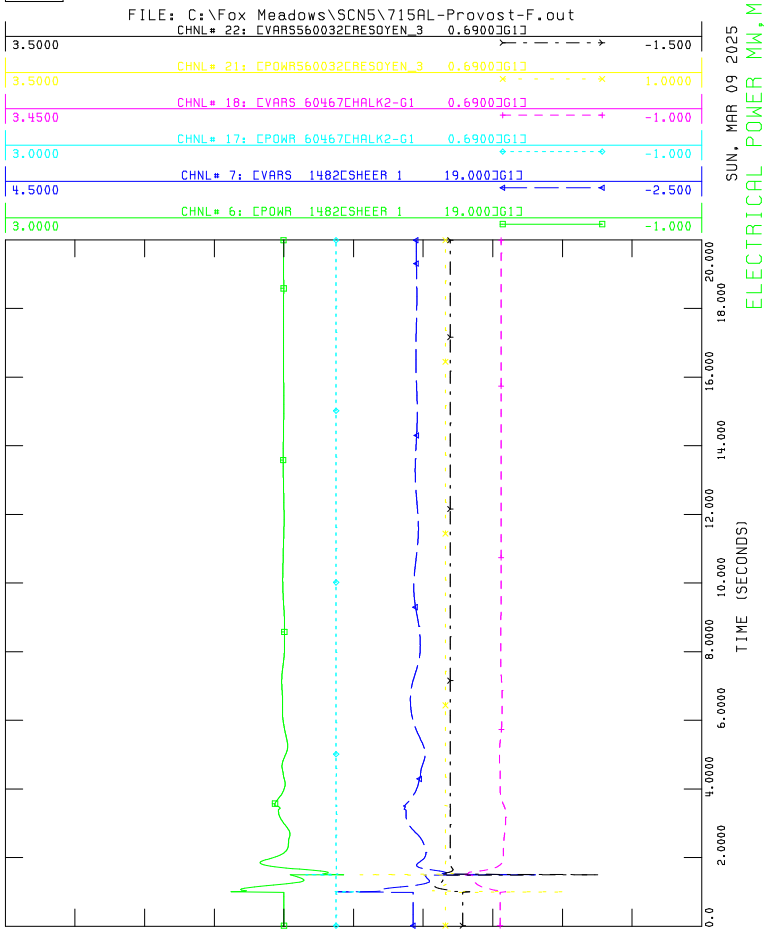


SUN, MAR 09 2025 6:56

BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SL
715L-PROVOST-FAR

FILE: C:\Fox Meadows\SCN5\715AL-Provost-F.out

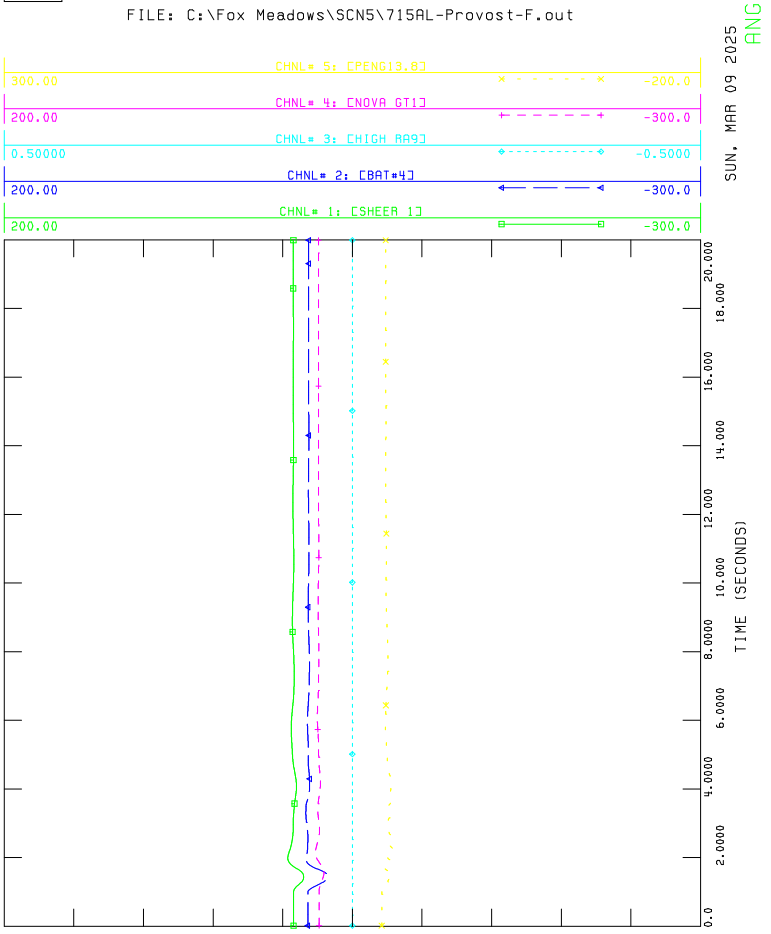


SUN, MAR 09 2025 6:56

ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SL
715L-PROVOST-FAR

FILE: C:\Fox Meadows\SCN5\715AL-Provost-F.out

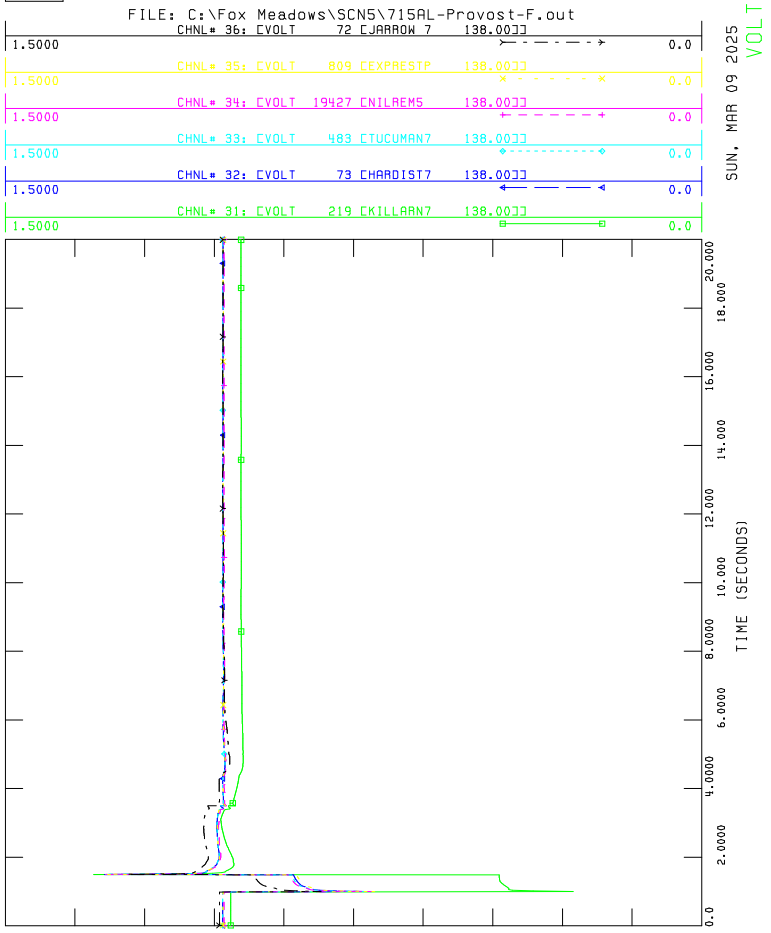


SUN, MAR 09 2025 6:56

ANGLES

AESO ABO FOX MEADOWS-2028 SL
715L-PROVOST-FAR

FILE: C:\Fox Meadows\SCN5\715AL-Provost-F.out

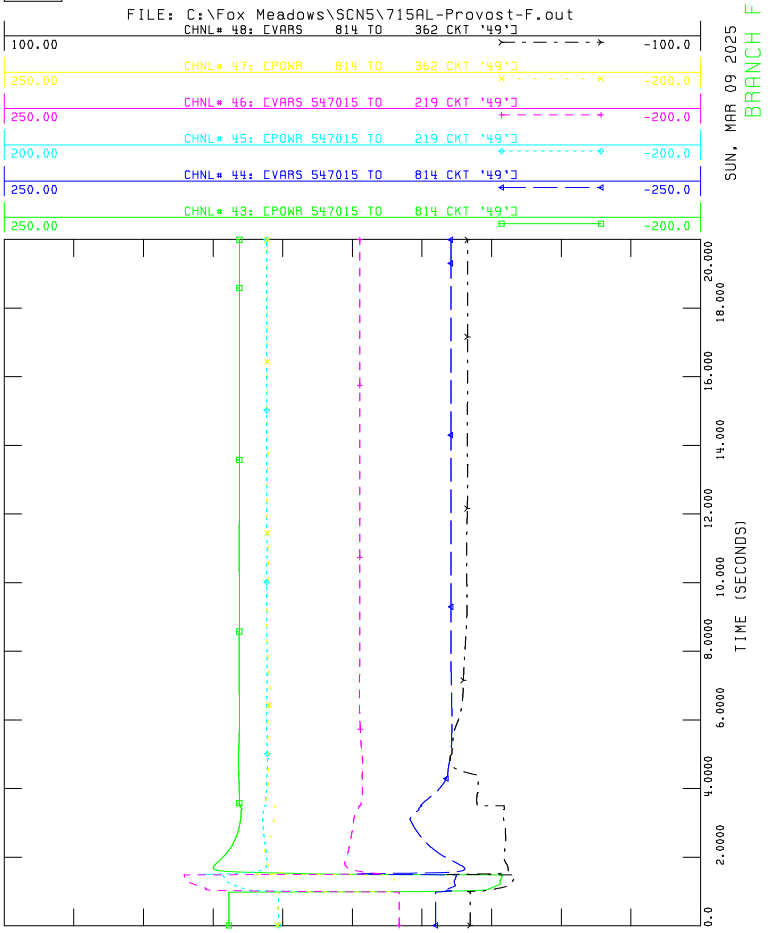


SUN, MAR 09 2025 6:56

VOLTAGE

AESO ABO FOX MEADOWS-2028 SL
715L-PROVOST-FAR

FILE: C:\Fox Meadows\SCN5\715AL-Provost-F.out



SUN, MAR 09 2025 6:56

BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SL
703L-HUGHENDEN-NEAR

FILE: C:\Fox Meadows\SCN5\703L-Hughenden-N.out

SUN, MAR 09 2025 6:56

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
3.5000 -1.500
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
3.5000 1.0000
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
3.4500 -1.000
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
3.0000 -1.000
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
4.5000 -2.500
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
3.0000 -1.000

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
703L-HUGHENDEN-NEAR

FILE: C:\Fox Meadows\SCN5\703L-Hughenden-N.out

SUN, MAR 09 2025 6:56

ANGLES

CHNL# 5: CPENG13.8J
300.00 -200.0
CHNL# 4: CNOVA GT1J
200.00 -300.0
CHNL# 3: CHIGH RA9J
0.50000 -0.5000
CHNL# 2: CBAT#4J
200.00 -300.0
CHNL# 1: CSHEER 1J
200.00 -300.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
703L-HUGHENDEN-NEAR

FILE: C:\Fox Meadows\SCN5\703L-Hughenden-N.out

SUN, MAR 09 2025 6:56

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
1.5000 0.0
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
1.5000 0.0
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
1.5000 0.0
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
1.5000 0.0
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
1.5000 0.0
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ
1.5000 0.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
703L-HUGHENDEN-NEAR

FILE: C:\Fox Meadows\SCN5\703L-Hughenden-N.out

SUN, MAR 09 2025 6:56

BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
100.00 -100.0
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
200.00 -200.0
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
250.00 -200.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
703L-HUGHENDEN-FAR

FILE: C:\Fox Meadows\SCN5\703L-Hughenden-F.out

SUN, MAR 09 2025 6:56

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
3.5000 -1.500
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
3.5000 1.0000
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
3.4500 -1.000
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
3.0000 -1.000
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
4.5000 -2.500
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
3.0000 -1.000

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
703L-HUGHENDEN-FAR

FILE: C:\Fox Meadows\SCN5\703L-Hughenden-F.out

SUN, MAR 09 2025 6:56

ANGLES

CHNL# 5: CPENG13.8J
300.00 -200.0
CHNL# 4: CNOVA GT1J
200.00 -300.0
CHNL# 3: CHIGH RA9J
0.50000 -0.5000
CHNL# 2: CBAT#4J
200.00 -300.0
CHNL# 1: CSHEER 1J
200.00 -300.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
703L-HUGHENDEN-FAR

FILE: C:\Fox Meadows\SCN5\703L-Hughenden-F.out

SUN, MAR 09 2025 6:56

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
1.5000 0.0
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
1.5000 0.0
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
1.5000 0.0
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
1.5000 0.0
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
1.5000 0.0
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ
1.5000 0.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
703L-HUGHENDEN-FAR

FILE: C:\Fox Meadows\SCN5\703L-Hughenden-F.out

SUN, MAR 09 2025 6:56

BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
100.00 -100.0
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
200.00 -200.0
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
250.00 -200.0

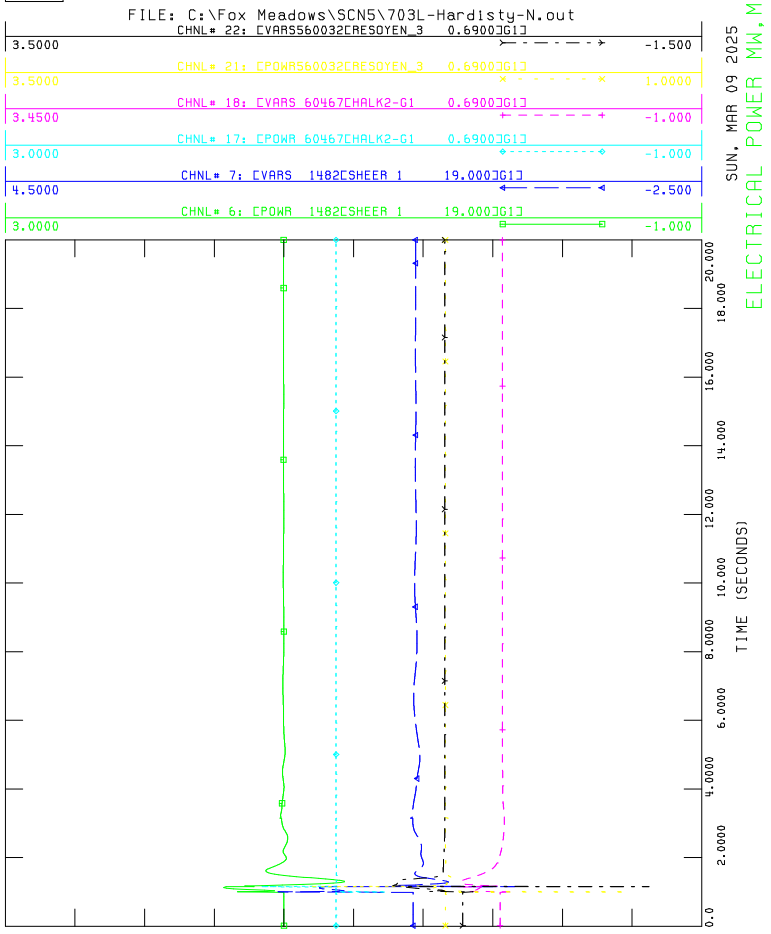
TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SL
703L-HARDISTY-NEAR

FILE: C:\Fox Meadows\SCN5\703L-Hardisty-N.out

SUN, MAR 09 2025 6:56

ELECTRICAL POWER MW, MVAR

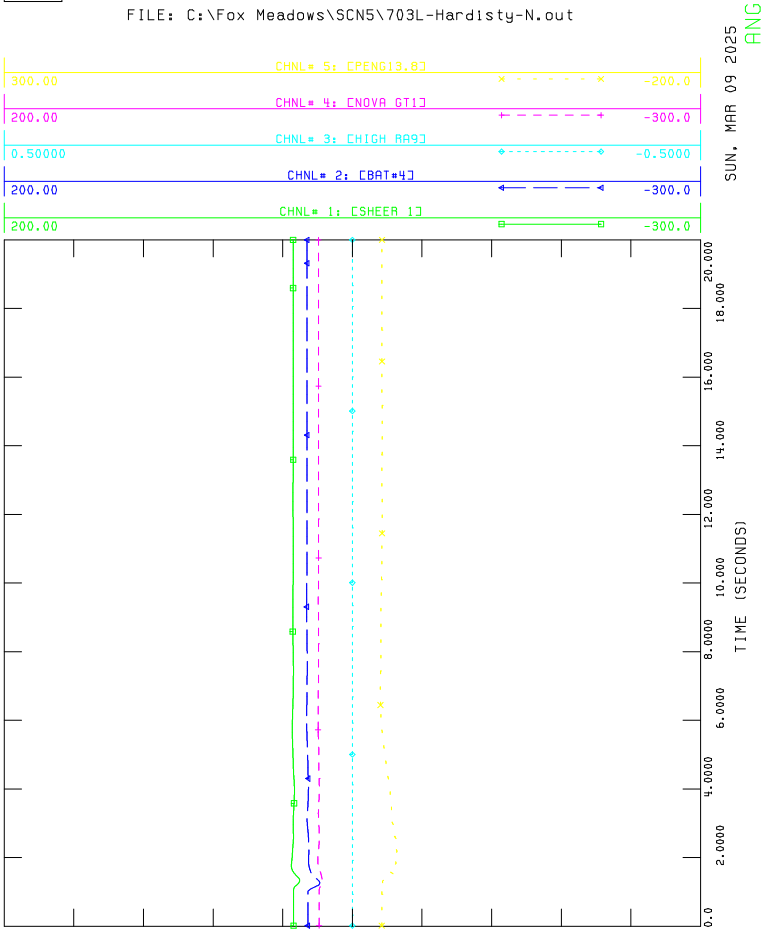


AESO ABO FOX MEADOWS-2028 SL
703L-HARDISTY-NEAR

FILE: C:\Fox Meadows\SCN5\703L-Hardisty-N.out

SUN, MAR 09 2025 6:57

ANGLES

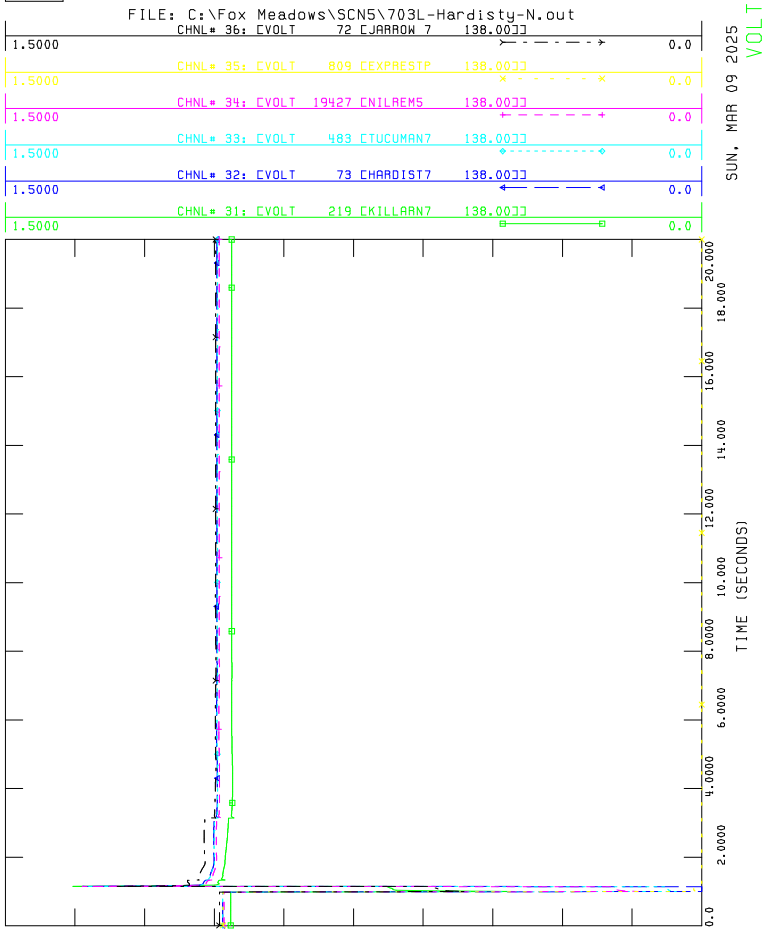


AESO ABO FOX MEADOWS-2028 SL
703L-HARDISTY-NEAR

FILE: C:\Fox Meadows\SCN5\703L-Hardisty-N.out

SUN, MAR 09 2025 6:56

VOLTAGE

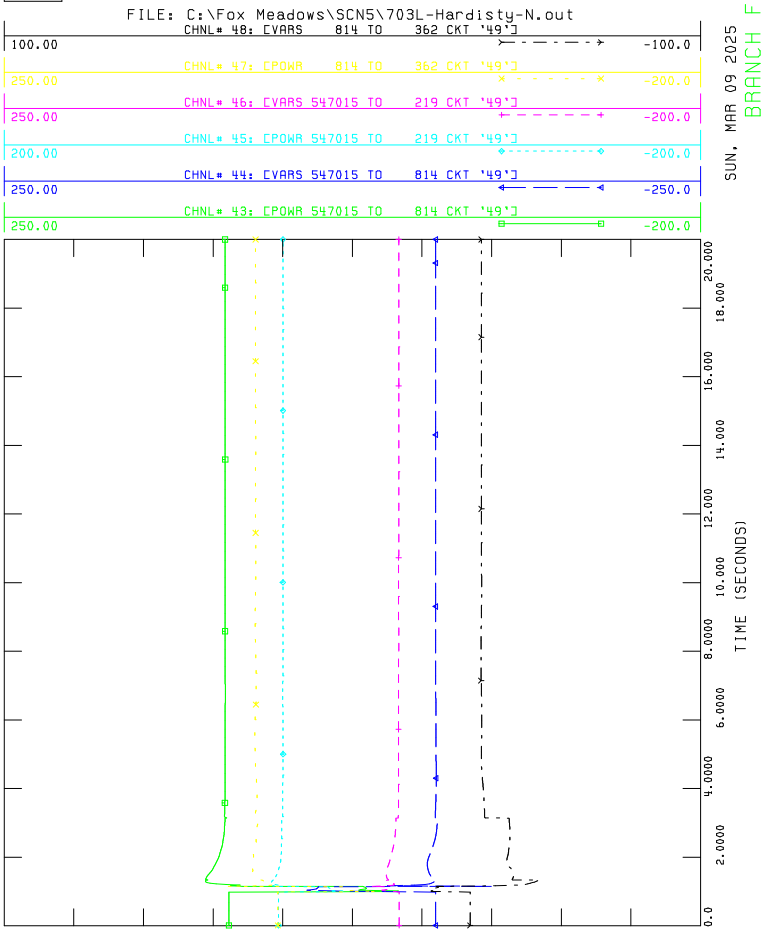


AESO ABO FOX MEADOWS-2028 SL
703L-HARDISTY-NEAR

FILE: C:\Fox Meadows\SCN5\703L-Hardisty-N.out

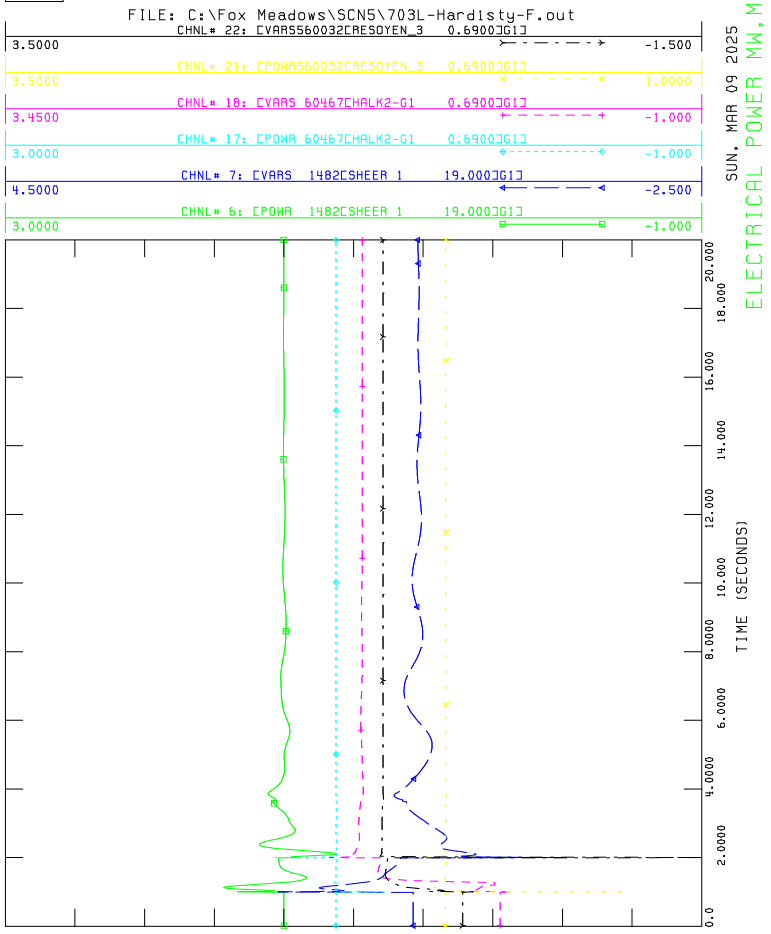
SUN, MAR 09 2025 6:57

BRANCH FLOW



AESO ABO FOX MEADOWS-2028 SL
703L-HARDISTY-FAR

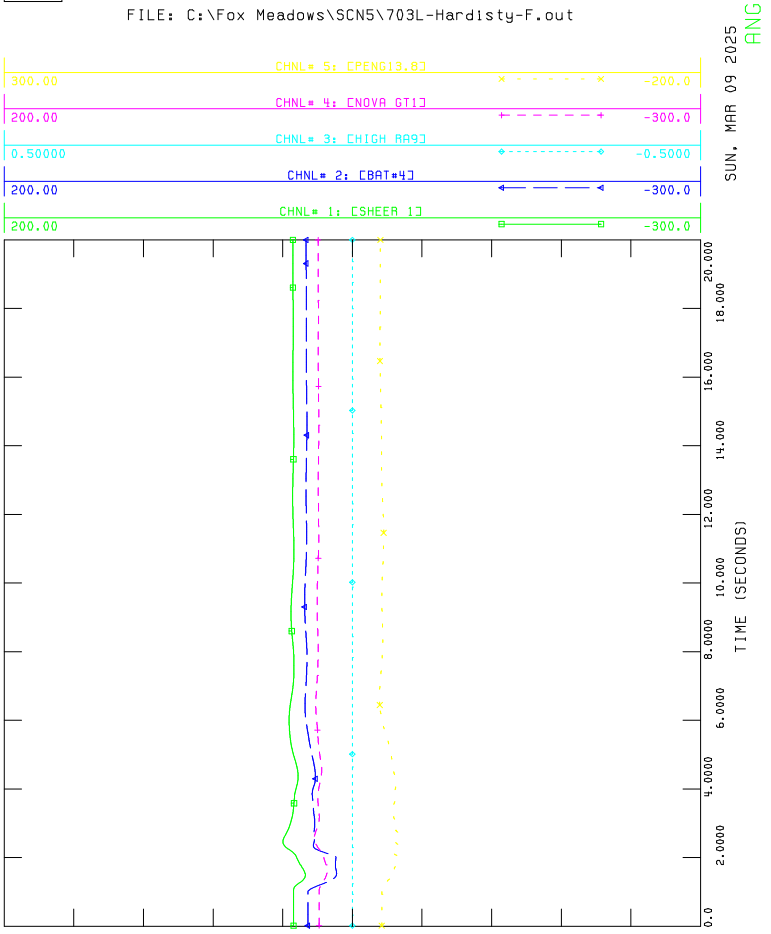
FILE: C:\Fox Meadows\SCN5\703L-Hardisty-F.out



SUN, MAR 09 2025 6:57 ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SL
703L-HARDISTY-FAR

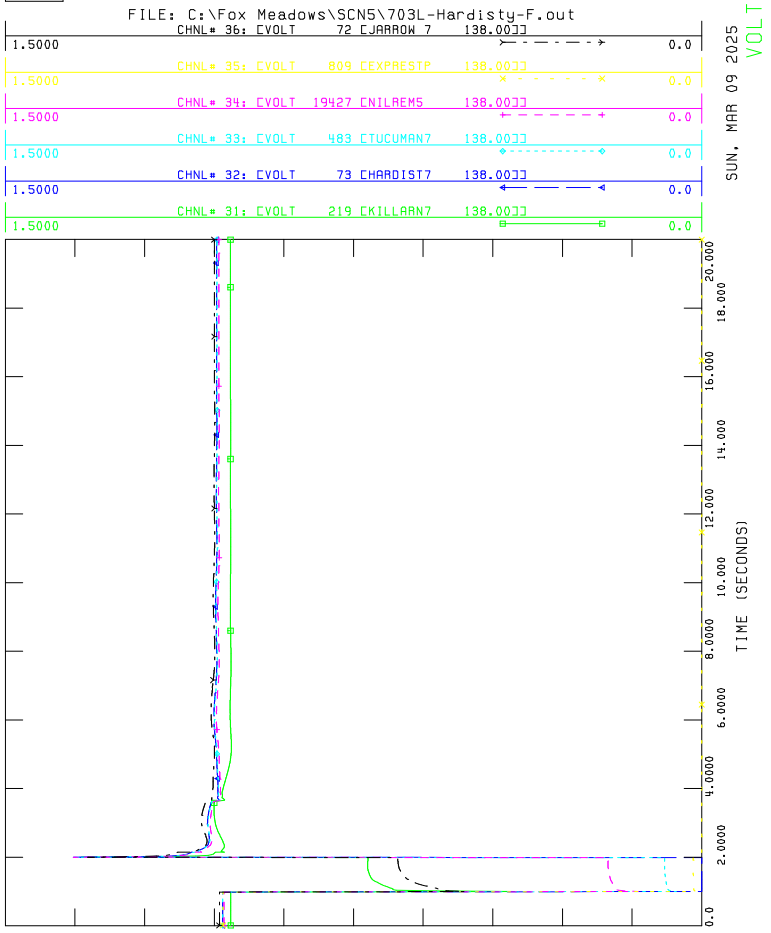
FILE: C:\Fox Meadows\SCN5\703L-Hardisty-F.out



SUN, MAR 09 2025 6:57 ANGLES

AESO ABO FOX MEADOWS-2028 SL
703L-HARDISTY-FAR

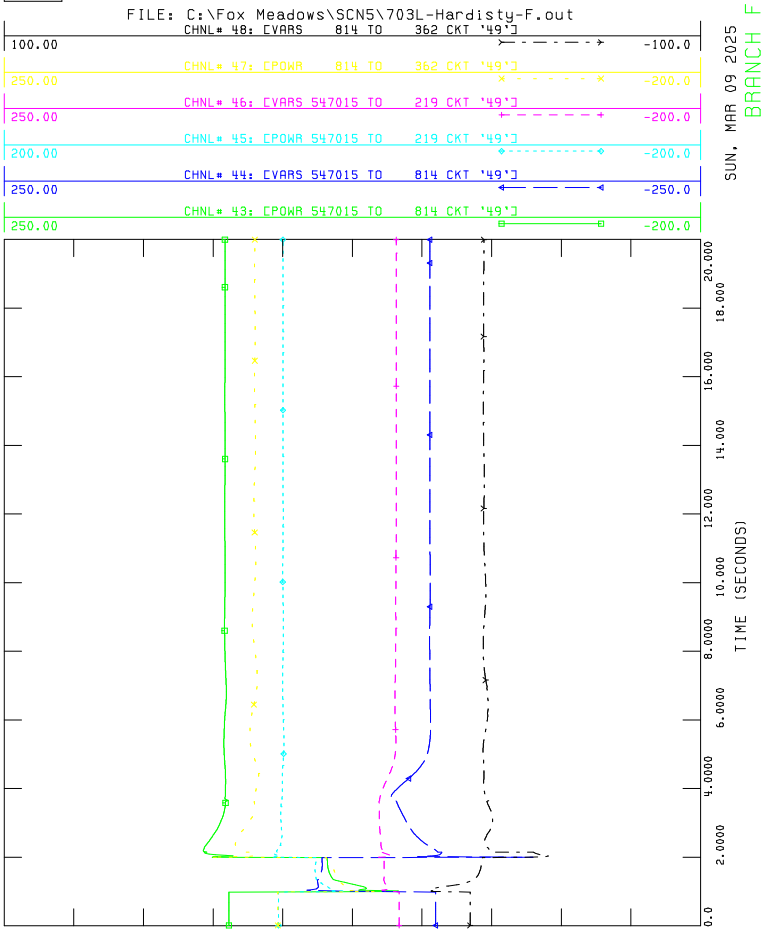
FILE: C:\Fox Meadows\SCN5\703L-Hardisty-F.out



SUN, MAR 09 2025 6:57 VOLTAGE

AESO ABO FOX MEADOWS-2028 SL
703L-HARDISTY-FAR

FILE: C:\Fox Meadows\SCN5\703L-Hardisty-F.out



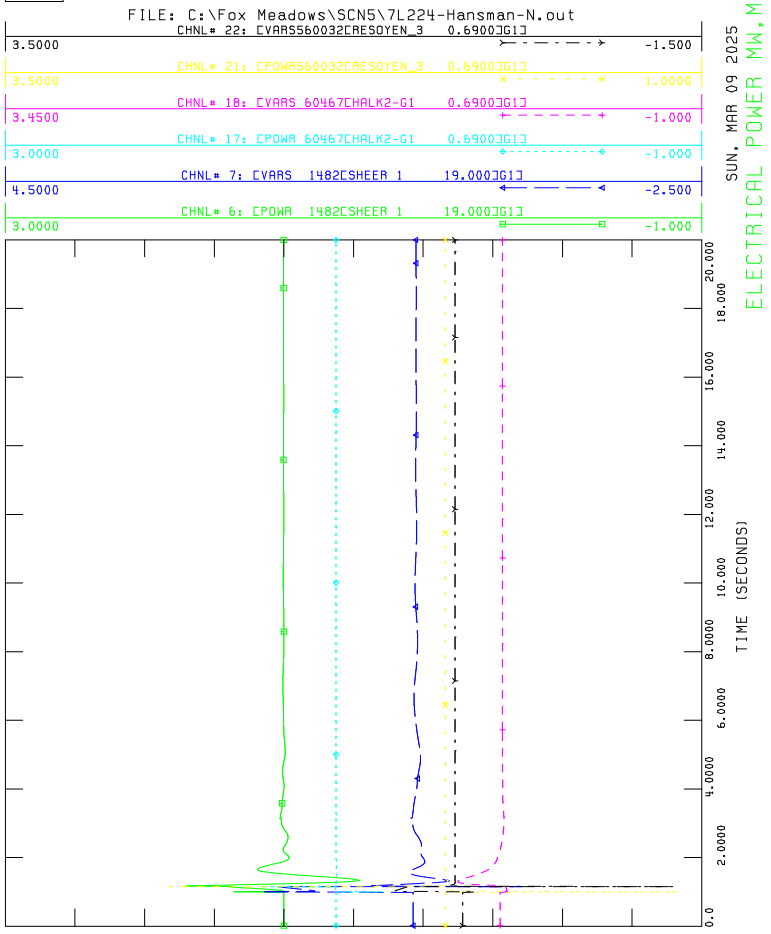
SUN, MAR 09 2025 6:57 BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SL
7L224-HANSMAN-NEAR

FILE: C:\Fox Meadows\SCN5\7L224-Hansman-N.out

SUN, MAR 09 2025 6:57

ELECTRICAL POWER MW, MVAR

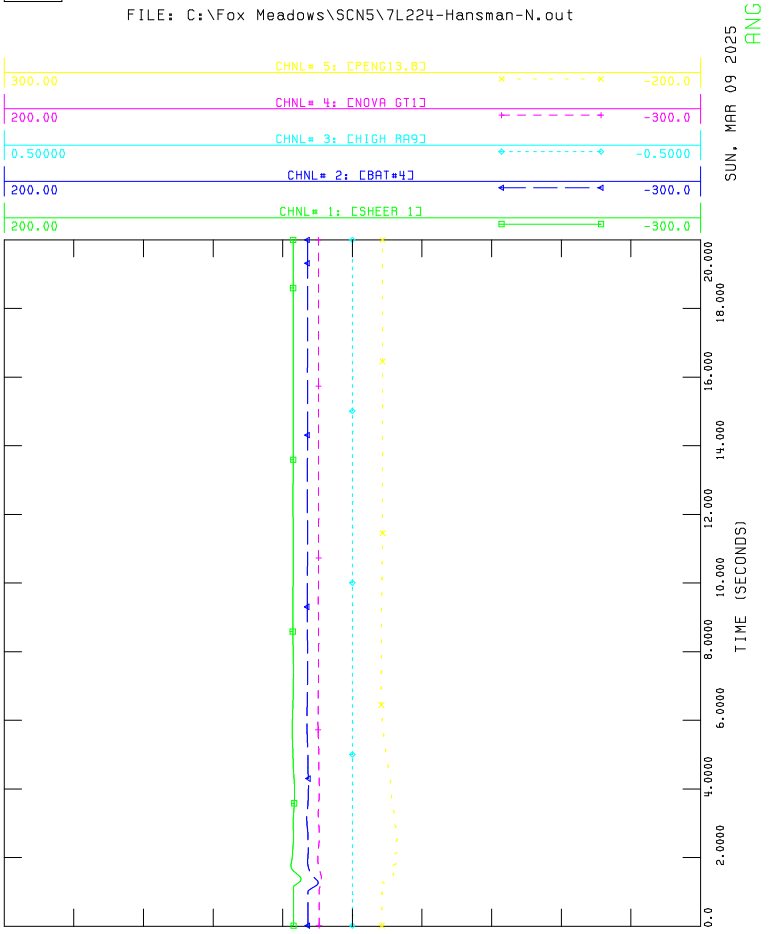


AESO ABO FOX MEADOWS-2028 SL
7L224-HANSMAN-NEAR

FILE: C:\Fox Meadows\SCN5\7L224-Hansman-N.out

SUN, MAR 09 2025 6:57

ANGLES

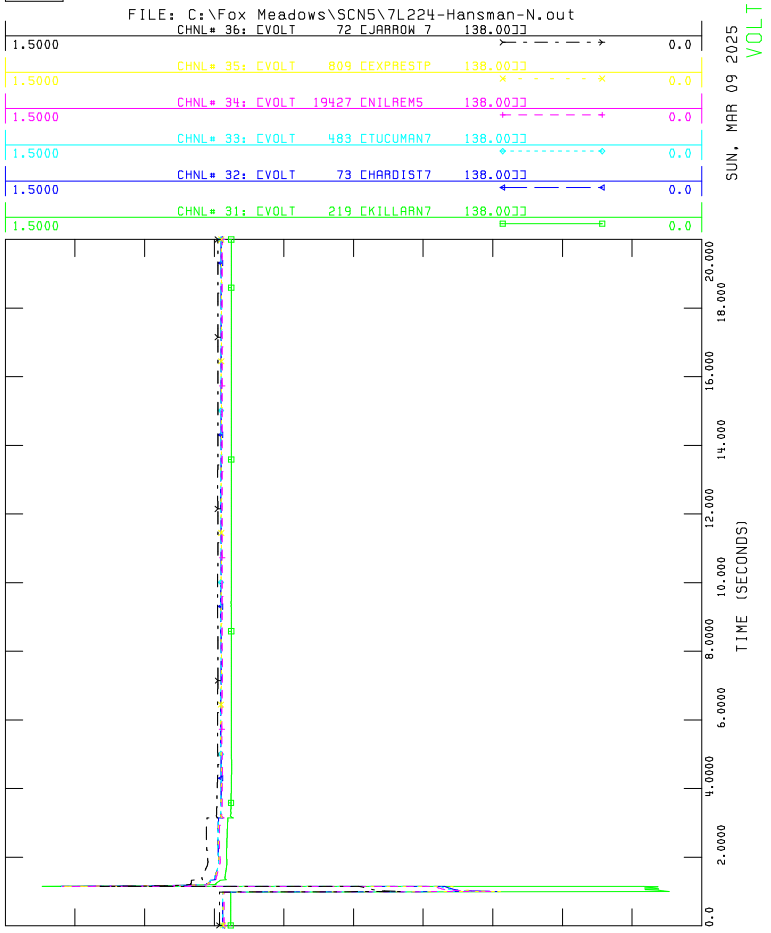


AESO ABO FOX MEADOWS-2028 SL
7L224-HANSMAN-NEAR

FILE: C:\Fox Meadows\SCN5\7L224-Hansman-N.out

SUN, MAR 09 2025 6:57

VOLTAGE

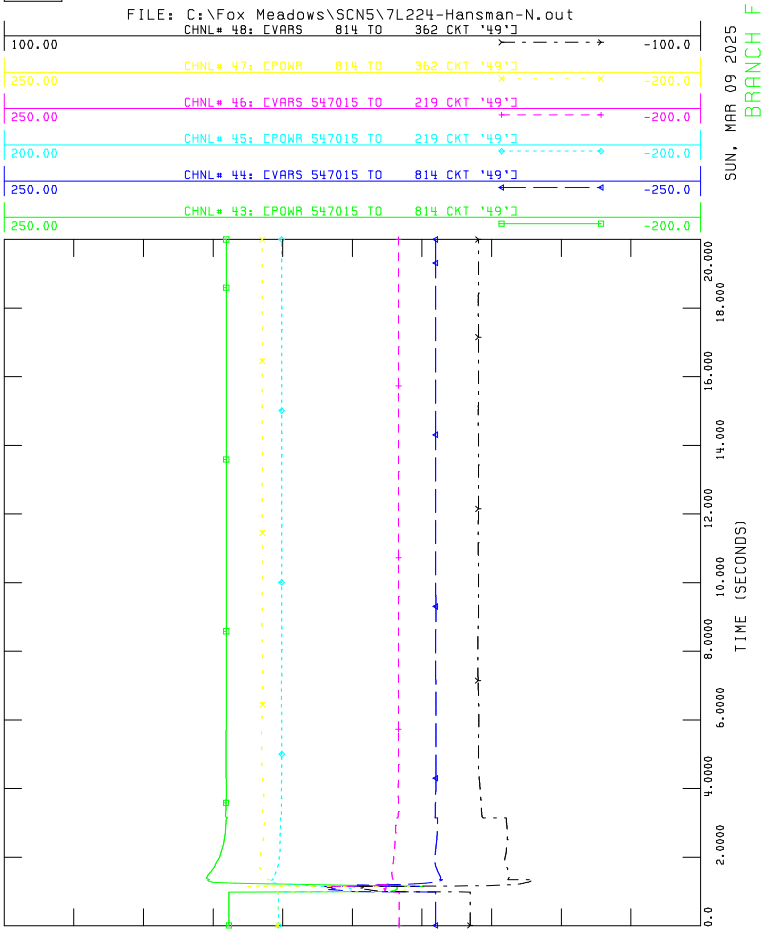


AESO ABO FOX MEADOWS-2028 SL
7L224-HANSMAN-NEAR

FILE: C:\Fox Meadows\SCN5\7L224-Hansman-N.out

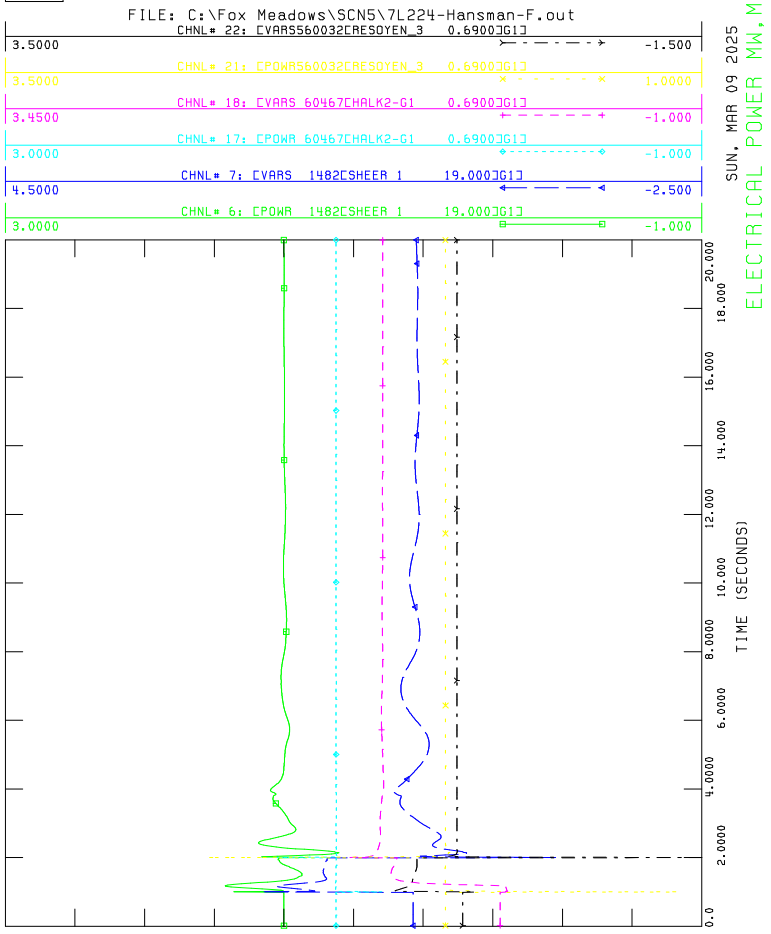
SUN, MAR 09 2025 6:57

BRANCH FLOW



AESO ABO FOX MEADOWS-2028 SL
7L224-HANSMAN-FAR

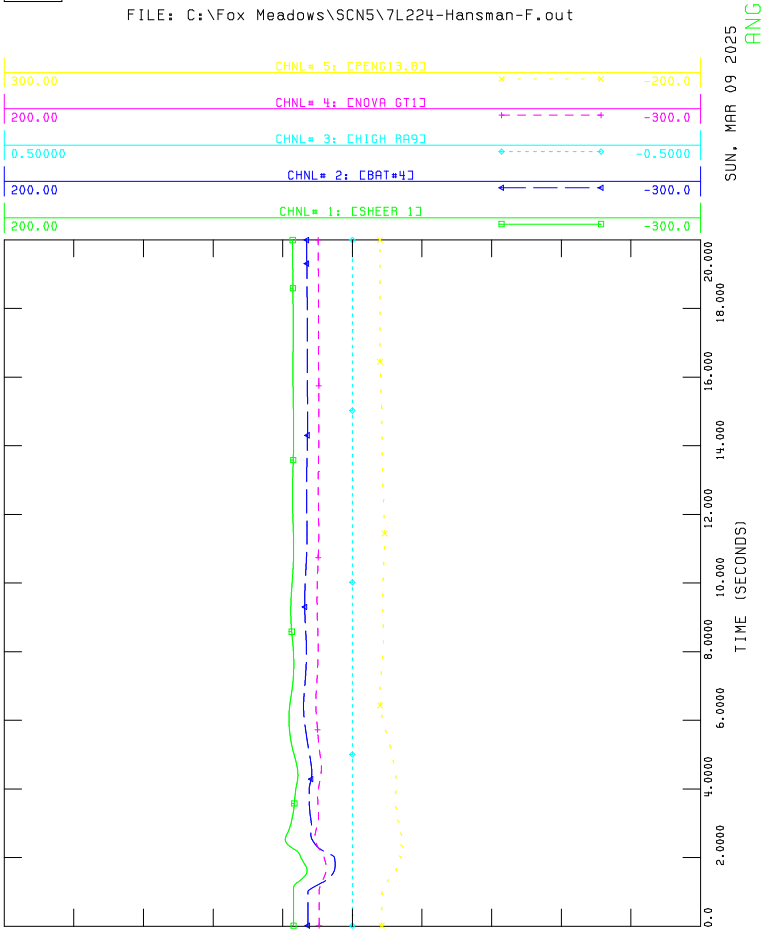
FILE: C:\Fox Meadows\SCN5\7L224-Hansman-F.out



SUN, MAR 09 2025 6:57
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SL
7L224-HANSMAN-FAR

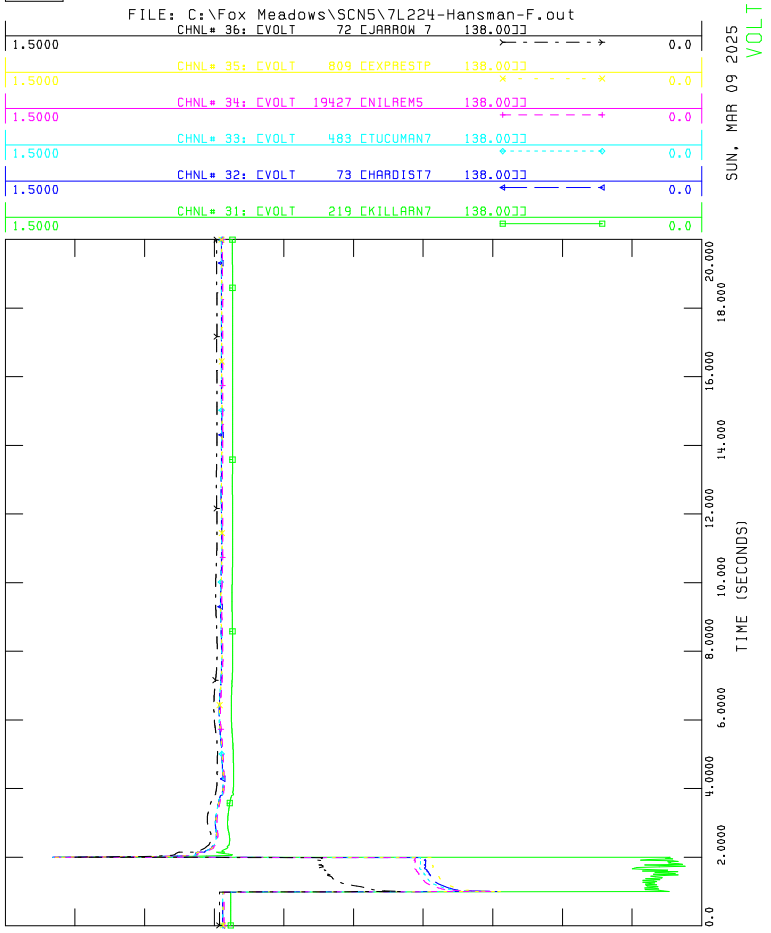
FILE: C:\Fox Meadows\SCN5\7L224-Hansman-F.out



SUN, MAR 09 2025 6:57
ANGLES

AESO ABO FOX MEADOWS-2028 SL
7L224-HANSMAN-FAR

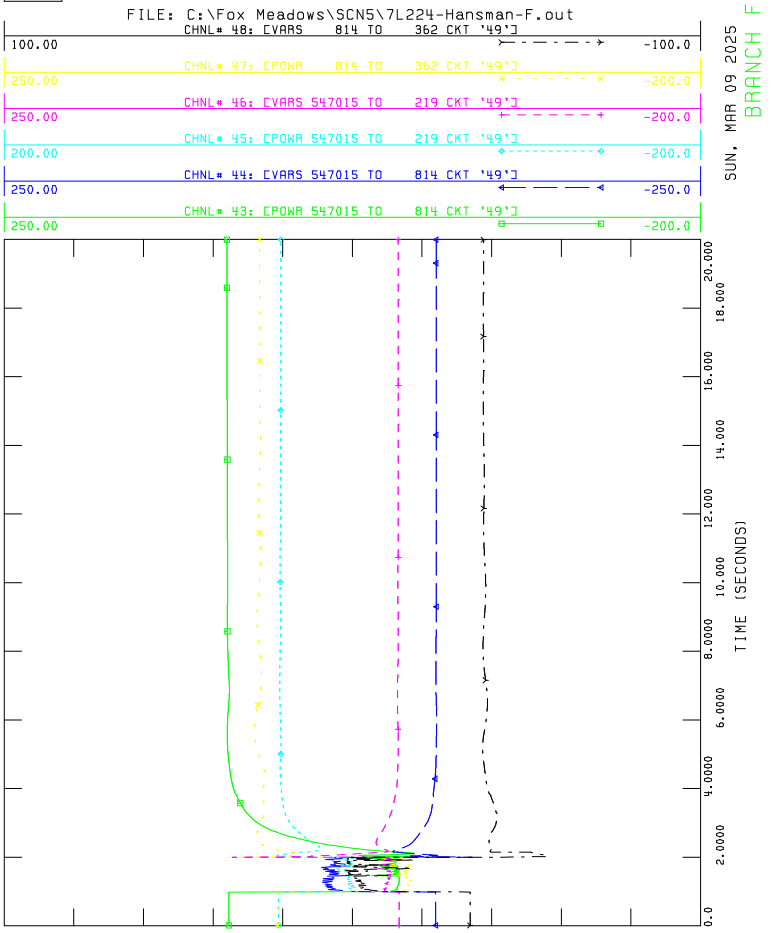
FILE: C:\Fox Meadows\SCN5\7L224-Hansman-F.out



SUN, MAR 09 2025 6:57
VOLTAGE

AESO ABO FOX MEADOWS-2028 SL
7L224-HANSMAN-FAR

FILE: C:\Fox Meadows\SCN5\7L224-Hansman-F.out



SUN, MAR 09 2025 6:57
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SL
7L224-MONITOR-NEAR

FILE: C:\Fox Meadows\SCN5\7L224-Monitor-N.out

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J

ELECTRICAL POWER MW, MVAR
SUN, MAR 09 2025 6:57
TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SL
7L224-MONITOR-NEAR

FILE: C:\Fox Meadows\SCN5\7L224-Monitor-N.out

CHNL# 5: CPENG13.8J
CHNL# 4: CNOVA GT1J
CHNL# 3: CHIGH RA9J
CHNL# 2: CBAT#4J
CHNL# 1: CSHEER 1J

ANGLES
SUN, MAR 09 2025 6:57
TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SL
7L224-MONITOR-NEAR

FILE: C:\Fox Meadows\SCN5\7L224-Monitor-N.out

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ

VOLTAGE
SUN, MAR 09 2025 6:57
TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SL
7L224-MONITOR-NEAR

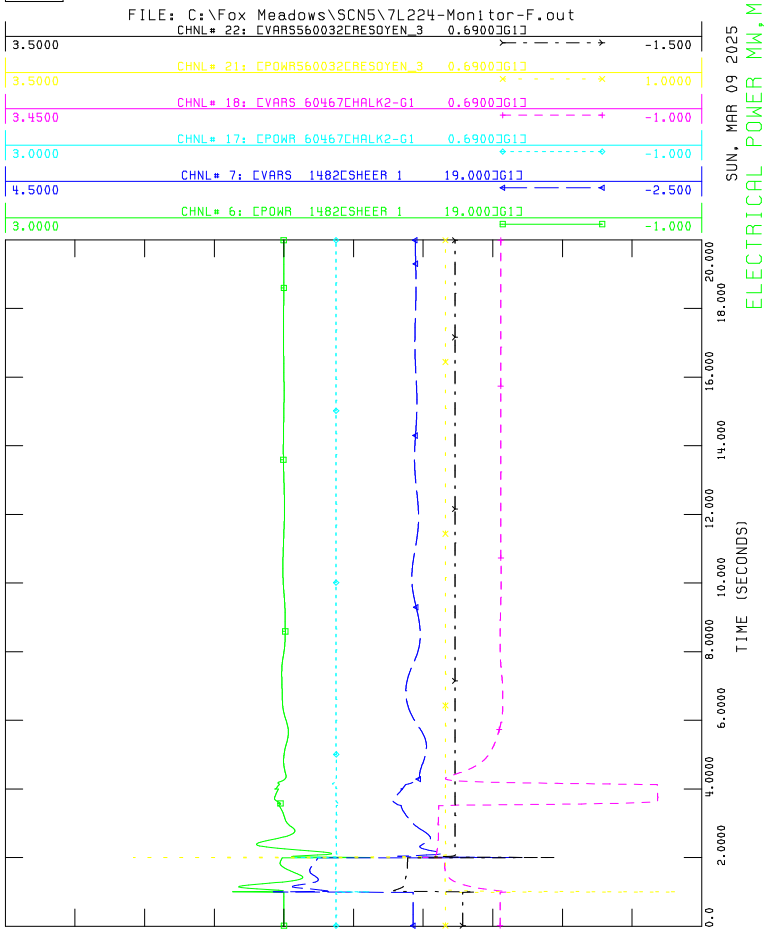
FILE: C:\Fox Meadows\SCN5\7L224-Monitor-N.out

CHNL# 48: CVARS 814 TO 362 CKT '49'J
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J

BRANCH FLOW
SUN, MAR 09 2025 6:57
TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SL
7L224-MONITOR-FAR

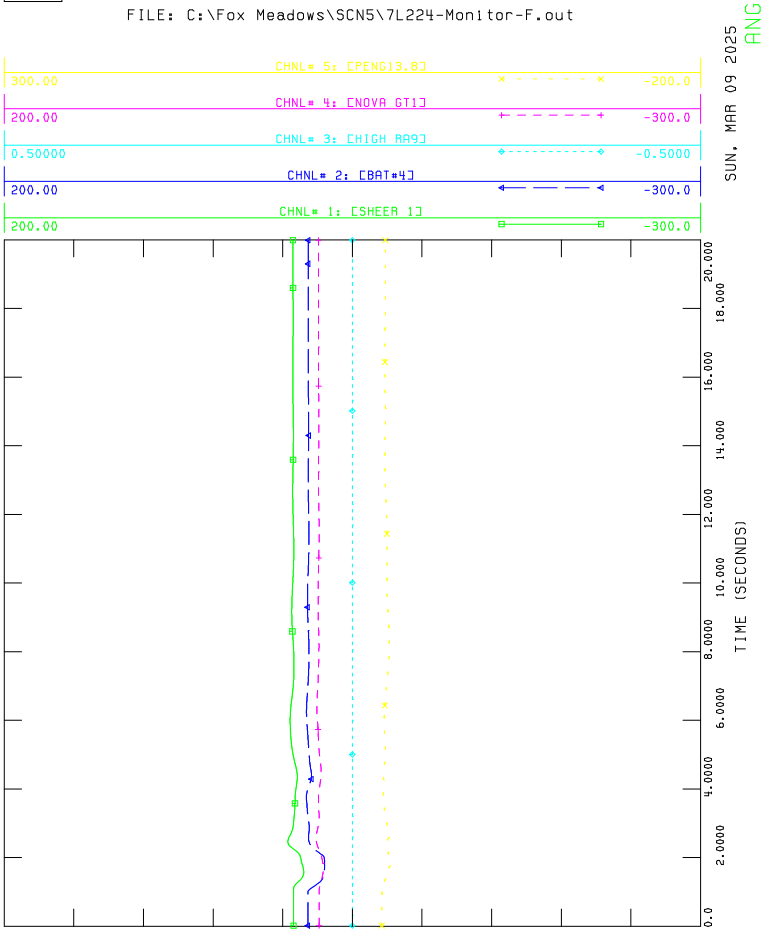
FILE: C:\Fox Meadows\SCN5\7L224-Monitor-F.out



SUN, MAR 09 2025 6:57
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SL
7L224-MONITOR-FAR

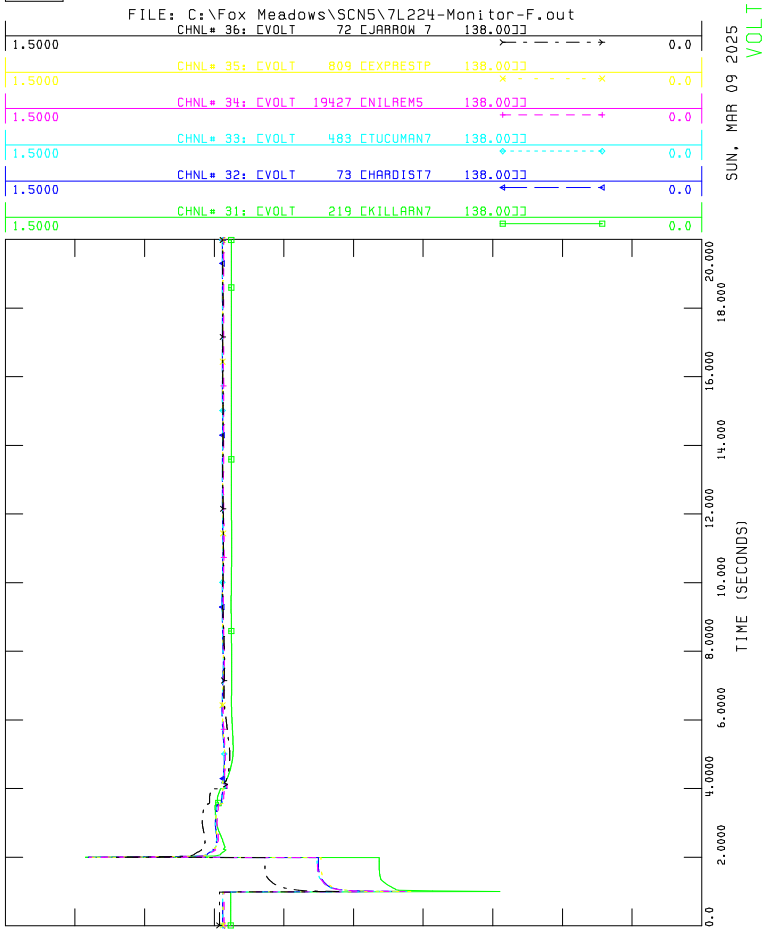
FILE: C:\Fox Meadows\SCN5\7L224-Monitor-F.out



SUN, MAR 09 2025 6:57
ANGLES

AESO ABO FOX MEADOWS-2028 SL
7L224-MONITOR-FAR

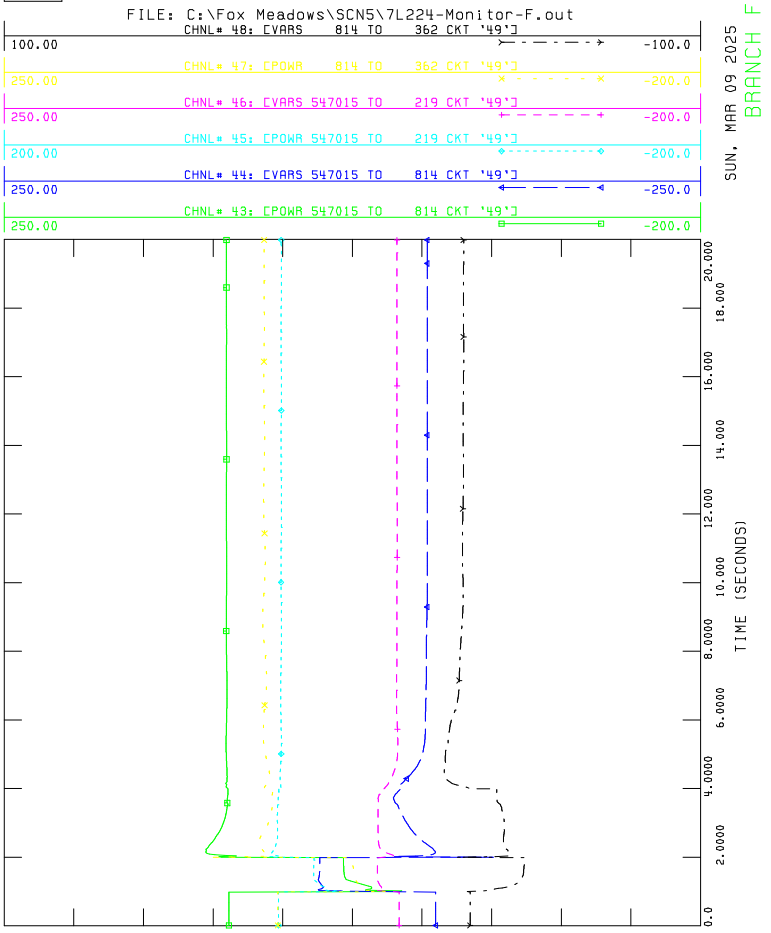
FILE: C:\Fox Meadows\SCN5\7L224-Monitor-F.out



SUN, MAR 09 2025 6:57
VOLTAGE

AESO ABO FOX MEADOWS-2028 SL
7L224-MONITOR-FAR

FILE: C:\Fox Meadows\SCN5\7L224-Monitor-F.out



SUN, MAR 09 2025 6:57
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SL
966L-HANSMAN-NEAR

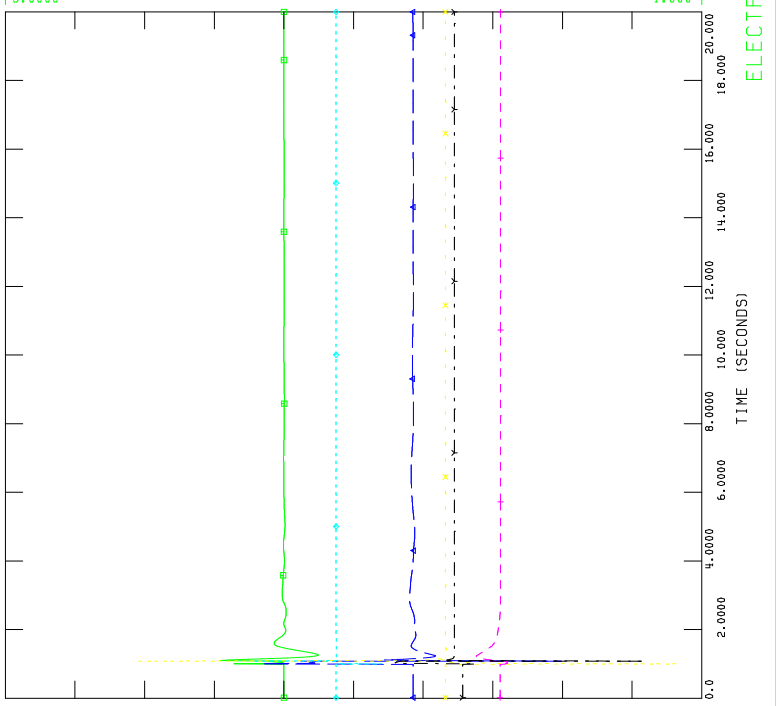
FILE: C:\Fox Meadows\SCN5\966L-HansmanLake-N.out

SUN, MAR 09 2025 6:57

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
3.5000 -1.500
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
3.5000 1.0000
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
3.4500 -1.000
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
3.0000 -1.000
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
4.5000 -2.500
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
3.0000 -1.000

TIME (SECONDS)



AESO ABO FOX MEADOWS-2028 SL
966L-HANSMAN-NEAR

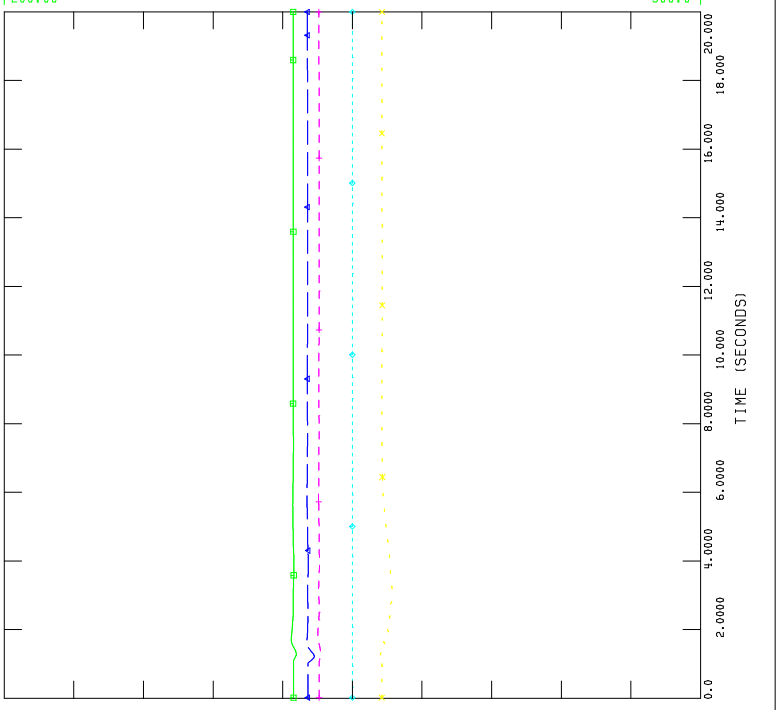
FILE: C:\Fox Meadows\SCN5\966L-HansmanLake-N.out

SUN, MAR 09 2025 6:57

ANGLES

CHNL# 5: CPENG13.8J
300.00 -200.0
CHNL# 4: CNOVA GT1J
200.00 -300.0
CHNL# 3: CHIGH RA9J
0.50000 -0.5000
CHNL# 2: CBAT#4J
200.00 -300.0
CHNL# 1: CSHEER 1J
200.00 -300.0

TIME (SECONDS)



AESO ABO FOX MEADOWS-2028 SL
966L-HANSMAN-NEAR

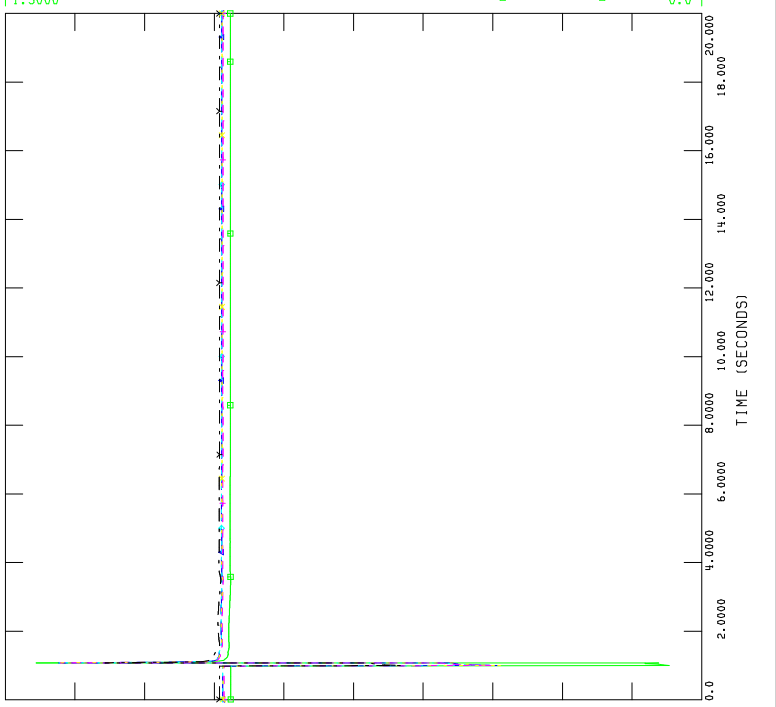
FILE: C:\Fox Meadows\SCN5\966L-HansmanLake-N.out

SUN, MAR 09 2025 6:57

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
1.5000 0.0
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
1.5000 0.0
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
1.5000 0.0
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
1.5000 0.0
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
1.5000 0.0
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ
1.5000 0.0

TIME (SECONDS)



AESO ABO FOX MEADOWS-2028 SL
966L-HANSMAN-NEAR

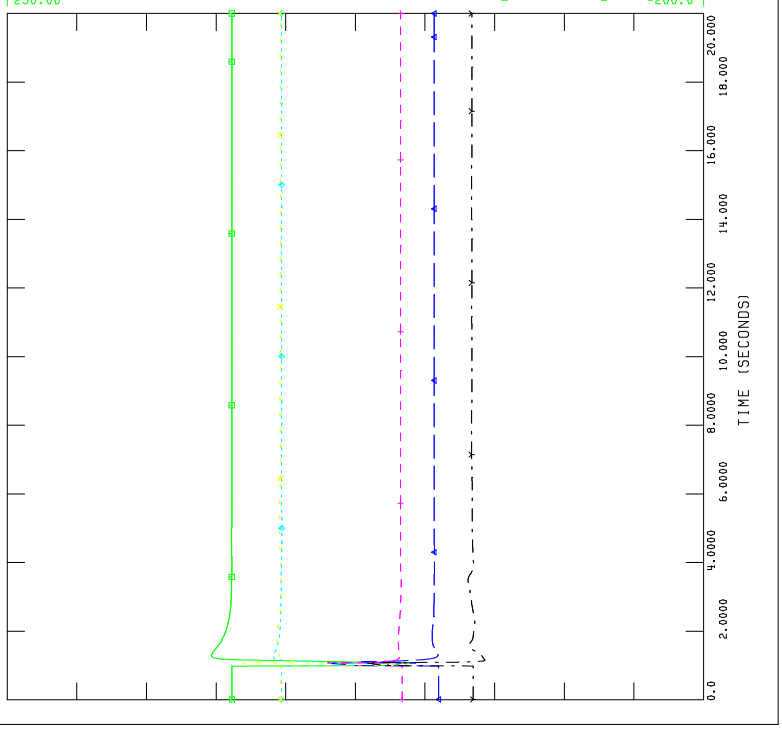
FILE: C:\Fox Meadows\SCN5\966L-HansmanLake-N.out

SUN, MAR 09 2025 6:57

BRANCH FLOW

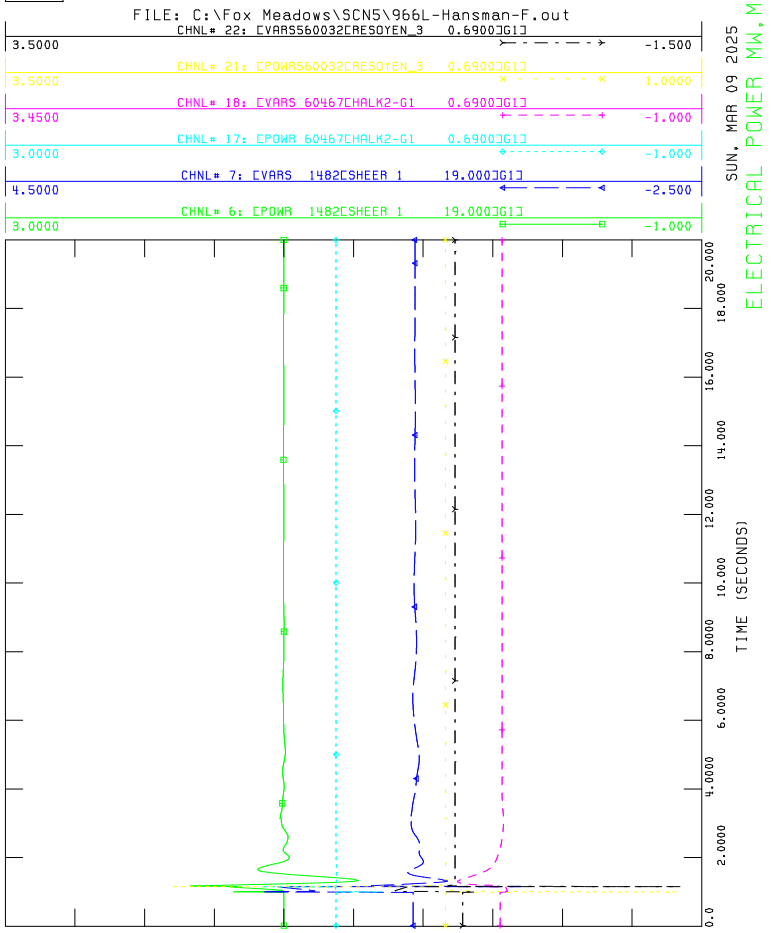
CHNL# 48: CVARS 814 TO 362 CKT '49'J
100.00 -100.0
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
200.00 -200.0
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
250.00 -200.0

TIME (SECONDS)



AESO ABO FOX MEADOWS-2028 SL
966L-HANSMAN-FAR

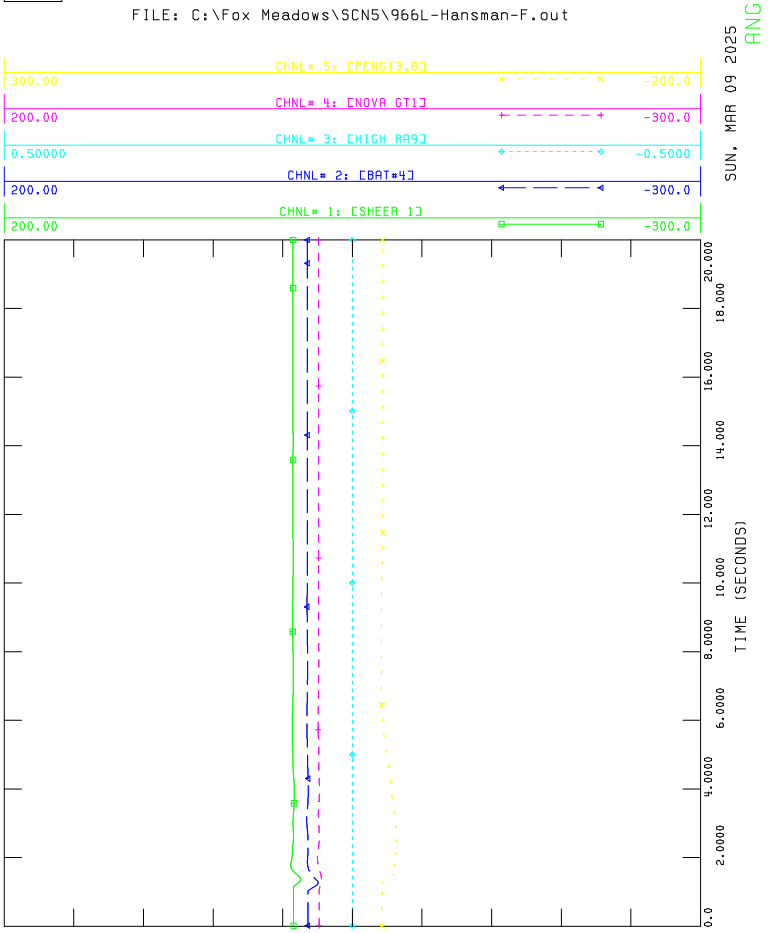
FILE: C:\Fox Meadows\SCN5\966L-Hansman-F.out



SUN, MAR 09 2025 6:57
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SL
966L-HANSMAN-FAR

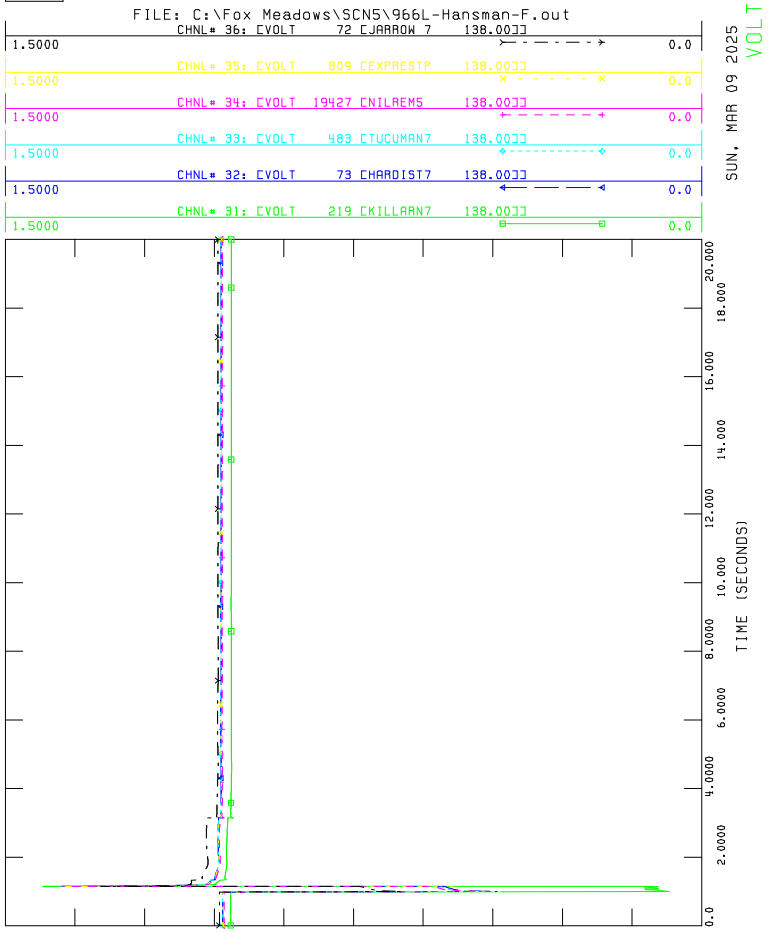
FILE: C:\Fox Meadows\SCN5\966L-Hansman-F.out



SUN, MAR 09 2025 6:57
ANGLES

AESO ABO FOX MEADOWS-2028 SL
966L-HANSMAN-FAR

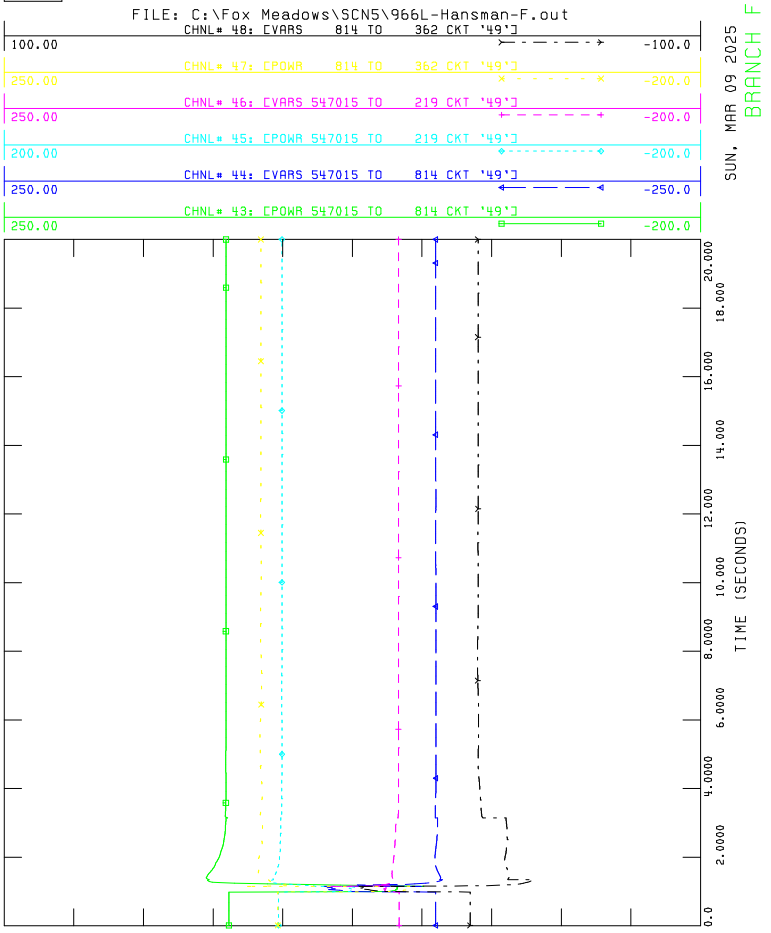
FILE: C:\Fox Meadows\SCN5\966L-Hansman-F.out



SUN, MAR 09 2025 6:57
VOLTAGE

AESO ABO FOX MEADOWS-2028 SL
966L-HANSMAN-FAR

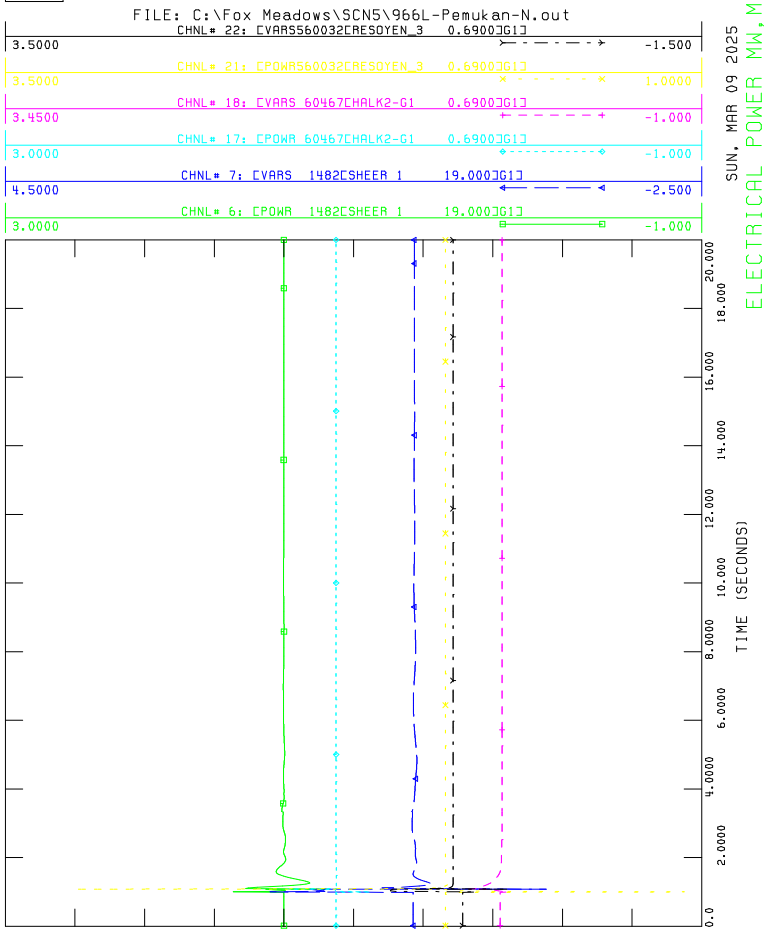
FILE: C:\Fox Meadows\SCN5\966L-Hansman-F.out



SUN, MAR 09 2025 6:57
BRANCH FLOW

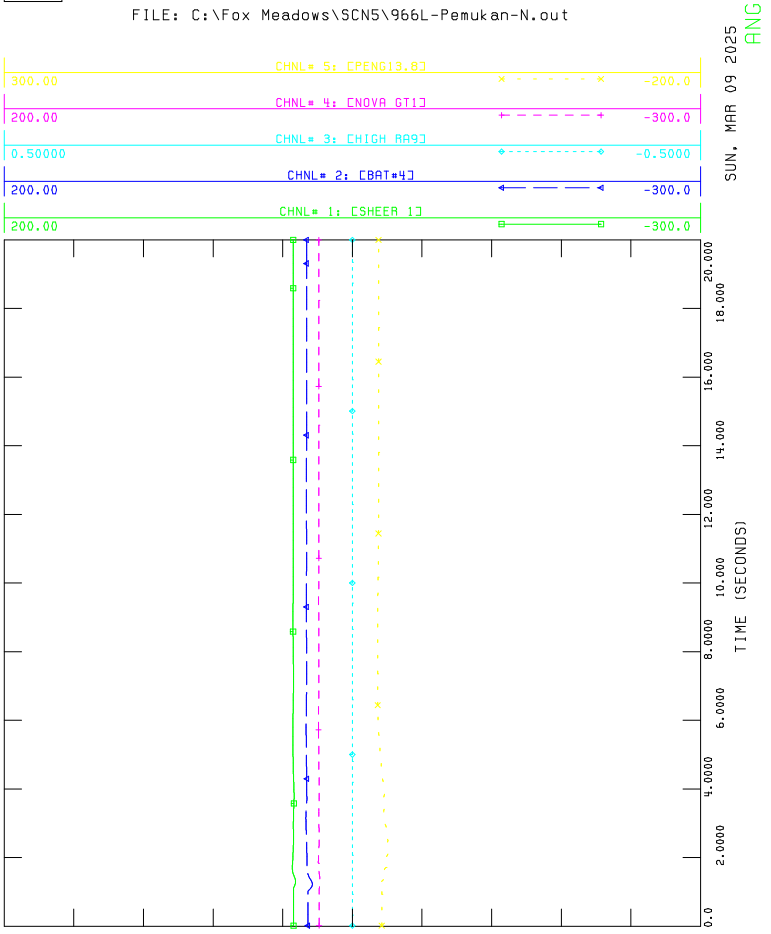
AESO ABO FOX MEADOWS-2028 SL
966L-PEMUKAN-NEAR

FILE: C:\Fox Meadows\SCN5\966L-Pemukan-N.out



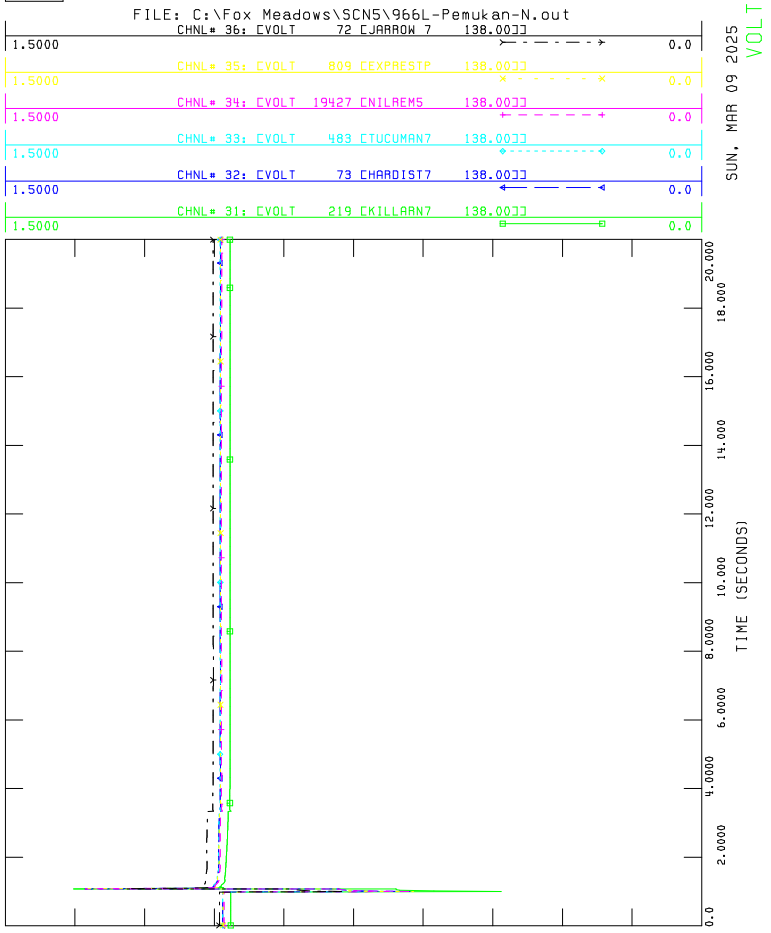
AESO ABO FOX MEADOWS-2028 SL
966L-PEMUKAN-NEAR

FILE: C:\Fox Meadows\SCN5\966L-Pemukan-N.out



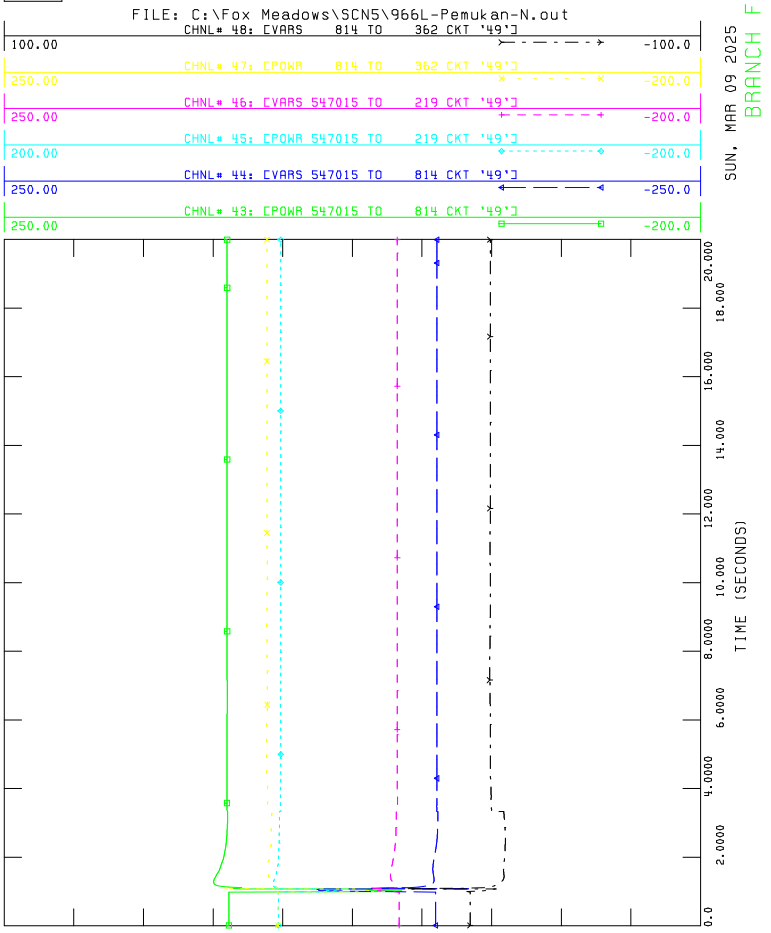
AESO ABO FOX MEADOWS-2028 SL
966L-PEMUKAN-NEAR

FILE: C:\Fox Meadows\SCN5\966L-Pemukan-N.out



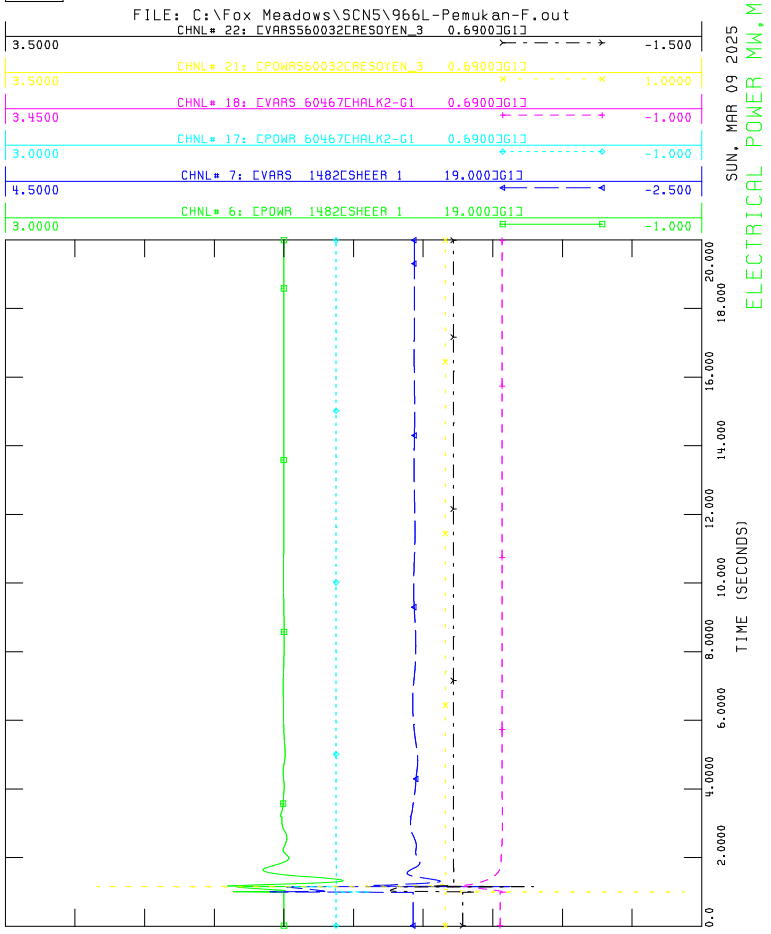
AESO ABO FOX MEADOWS-2028 SL
966L-PEMUKAN-NEAR

FILE: C:\Fox Meadows\SCN5\966L-Pemukan-N.out



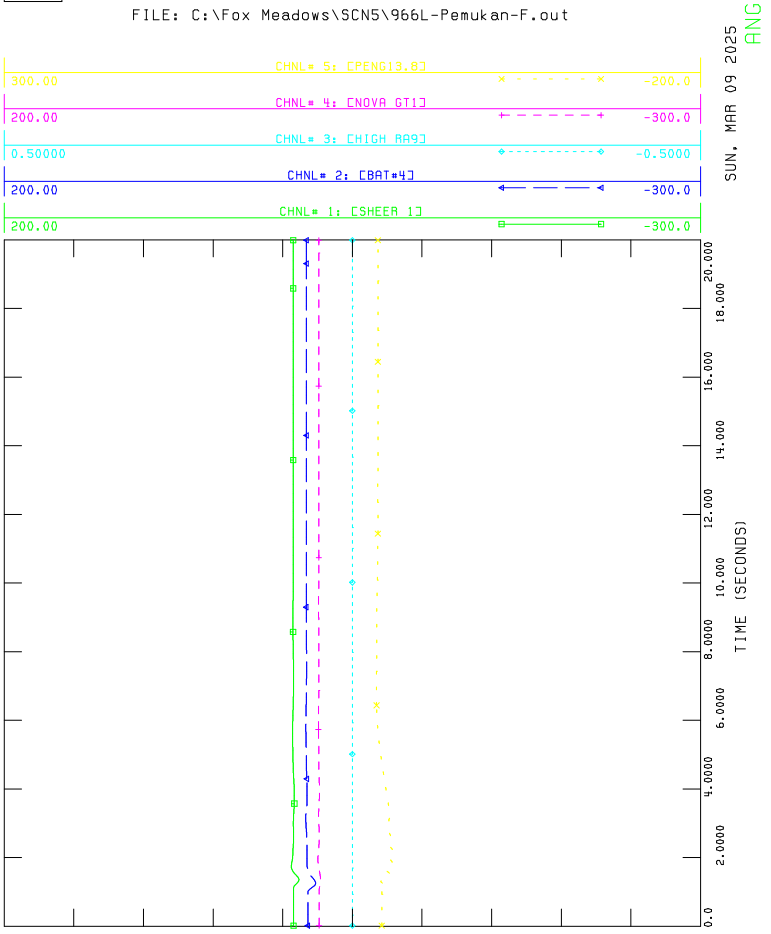
AESO ABO FOX MEADOWS-2028 SL
966L-PEMUKAN-FAR

FILE: C:\Fox Meadows\SCN5\966L-Pemukan-F.out



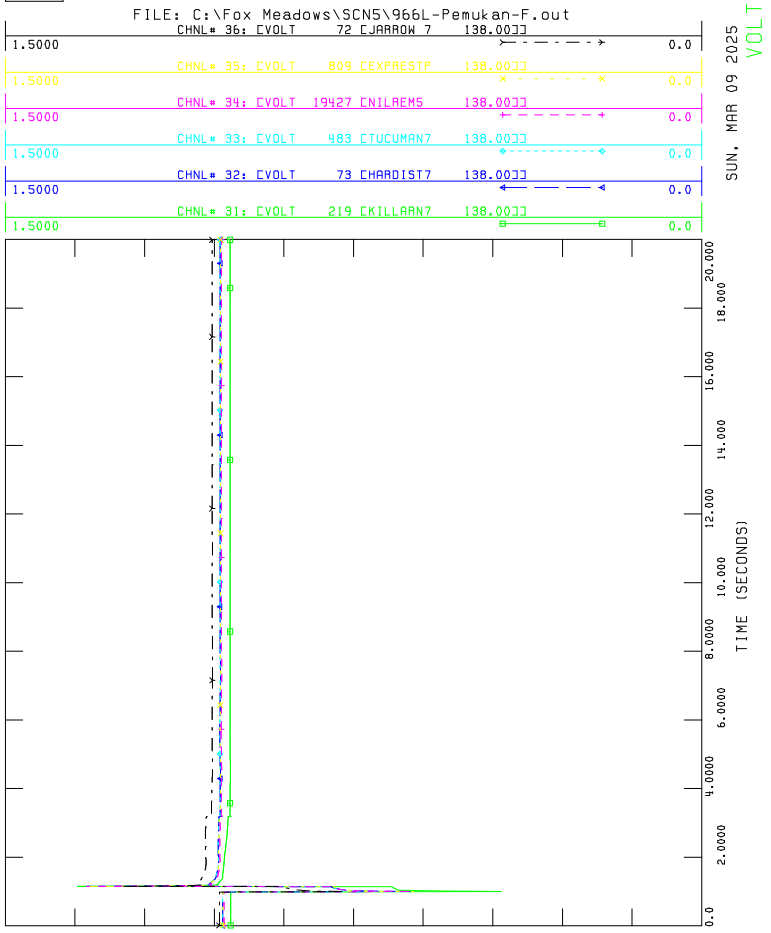
AESO ABO FOX MEADOWS-2028 SL
966L-PEMUKAN-FAR

FILE: C:\Fox Meadows\SCN5\966L-Pemukan-F.out



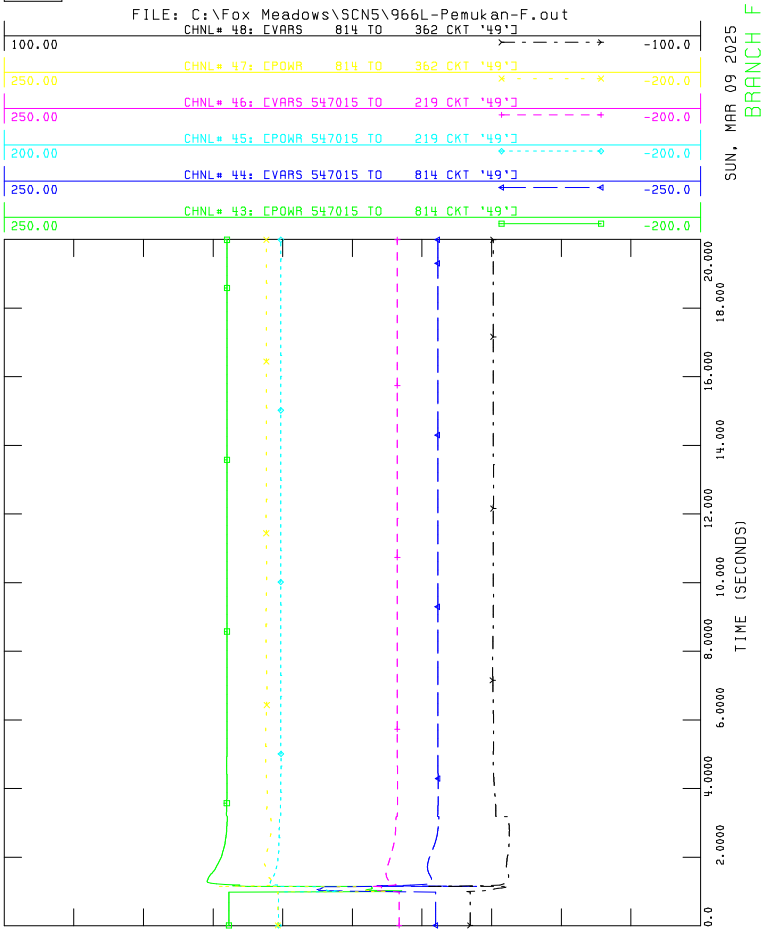
AESO ABO FOX MEADOWS-2028 SL
966L-PEMUKAN-FAR

FILE: C:\Fox Meadows\SCN5\966L-Pemukan-F.out



AESO ABO FOX MEADOWS-2028 SL
966L-PEMUKAN-FAR

FILE: C:\Fox Meadows\SCN5\966L-Pemukan-F.out



AESO ABO FOX MEADOWS-2028 SP
749L-KILLARNEY-NEAR

FILE: C:\Fox Meadows\SCN6\749L-Killarney-N.out

SUN, MAR 09 2025 6:34

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
5.0000 -3.000
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
5.0000 -3.000

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
749L-KILLARNEY-NEAR

FILE: C:\Fox Meadows\SCN6\749L-Killarney-N.out

SUN, MAR 09 2025 6:34

ANGLES

CHNL# 5: CPENG13.8J
300.00 -200.0
CHNL# 4: CNOVA GT1J
200.00 -300.0
CHNL# 2: CBAT#4J
200.00 -300.0
CHNL# 1: CSHEER 1J
200.00 -300.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
749L-KILLARNEY-NEAR

FILE: C:\Fox Meadows\SCN6\749L-Killarney-N.out

SUN, MAR 09 2025 6:34

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
1.5000 0.0
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
1.5000 0.0
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
1.5000 0.0
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
1.5000 0.0
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
1.5000 0.0
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ
1.5000 0.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
749L-KILLARNEY-NEAR

FILE: C:\Fox Meadows\SCN6\749L-Killarney-N.out

SUN, MAR 09 2025 6:34

BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
100.00 -100.0
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
300.00 -300.0
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
350.00 -300.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
749L-KILLARNEY-FAR

FILE: C:\Fox Meadows\SCN6\749L-Killarney-F.out

SUN, MAR 09 2025 6:34

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
5.0000 -3.000
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
5.0000 -3.000

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
749L-KILLARNEY-FAR

FILE: C:\Fox Meadows\SCN6\749L-Killarney-F.out

SUN, MAR 09 2025 6:34

ANGLES

CHNL# 5: CPENG13,8J
300.00 -200.0
CHNL# 4: CNOVA GT1J
200.00 -300.0
CHNL# 2: CBAT#4J
200.00 -300.0
CHNL# 1: CSHEER 1J
200.00 -300.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
749L-KILLARNEY-FAR

FILE: C:\Fox Meadows\SCN6\749L-Killarney-F.out

SUN, MAR 09 2025 6:34

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
1.5000 0.0
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
1.5000 0.0
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
1.5000 0.0
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
1.5000 0.0
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
1.5000 0.0
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ
1.5000 0.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
749L-KILLARNEY-FAR

FILE: C:\Fox Meadows\SCN6\749L-Killarney-F.out

SUN, MAR 09 2025 6:34

BRANCH FLOW

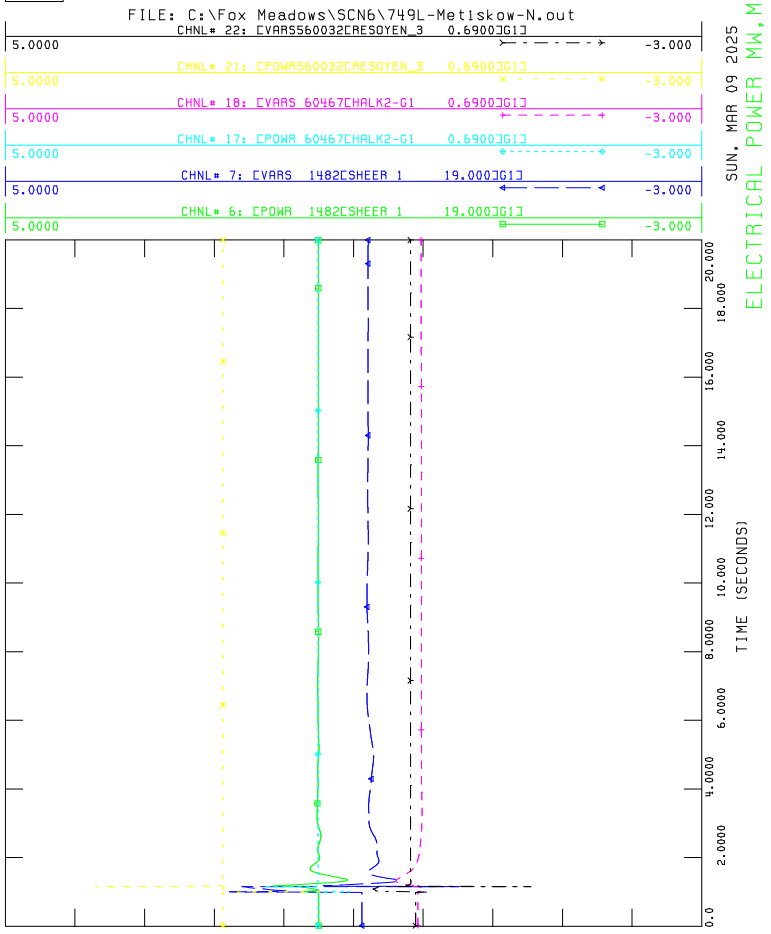
CHNL# 48: CVARS 814 TO 362 CKT '49'J
100.00 -100.0
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
300.00 -300.0
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
350.00 -300.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
749L-METISKOW-NEAR

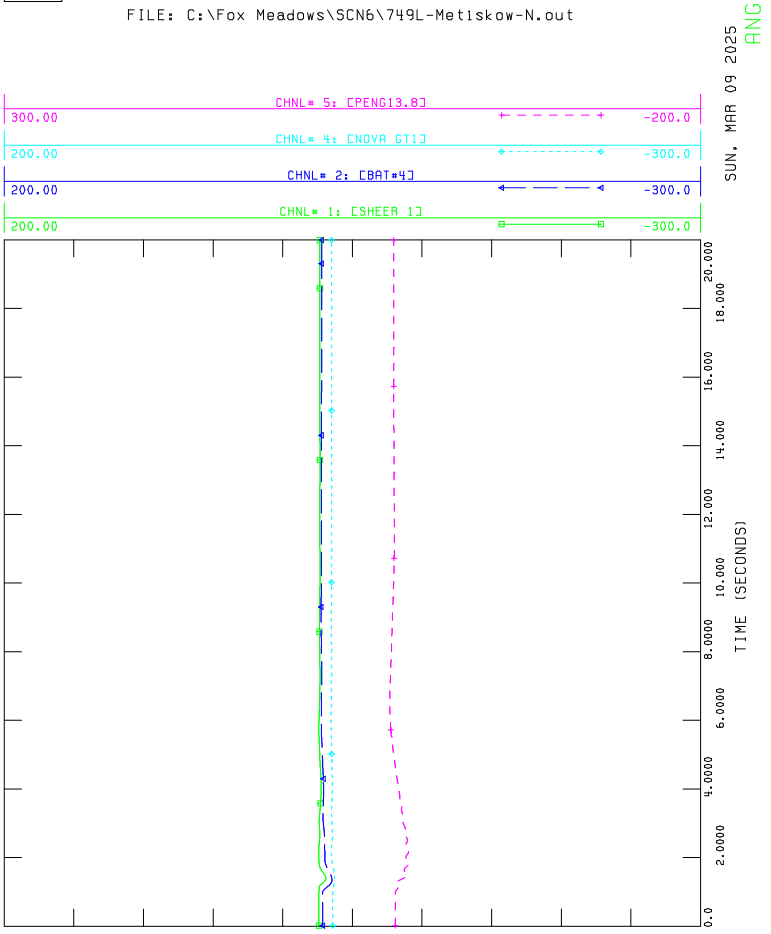
FILE: C:\Fox Meadows\SCN6\749L-Metiskow-N.out



SUN, MAR 09 2025 6:35
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SP
749L-METISKOW-NEAR

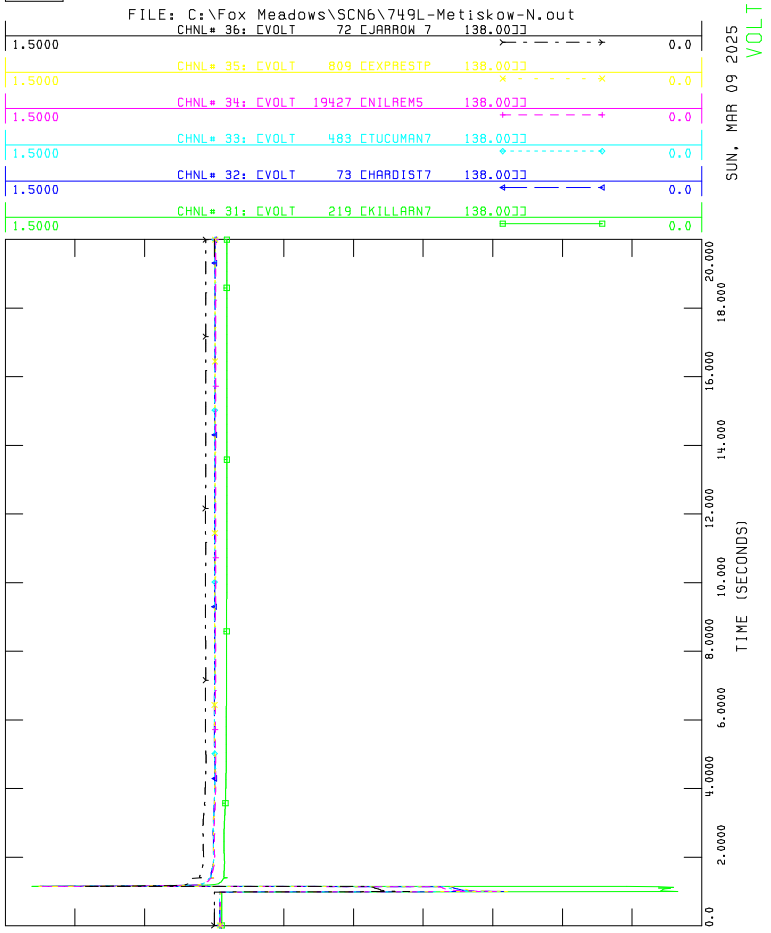
FILE: C:\Fox Meadows\SCN6\749L-Metiskow-N.out



SUN, MAR 09 2025 6:35
ANGLES

AESO ABO FOX MEADOWS-2028 SP
749L-METISKOW-NEAR

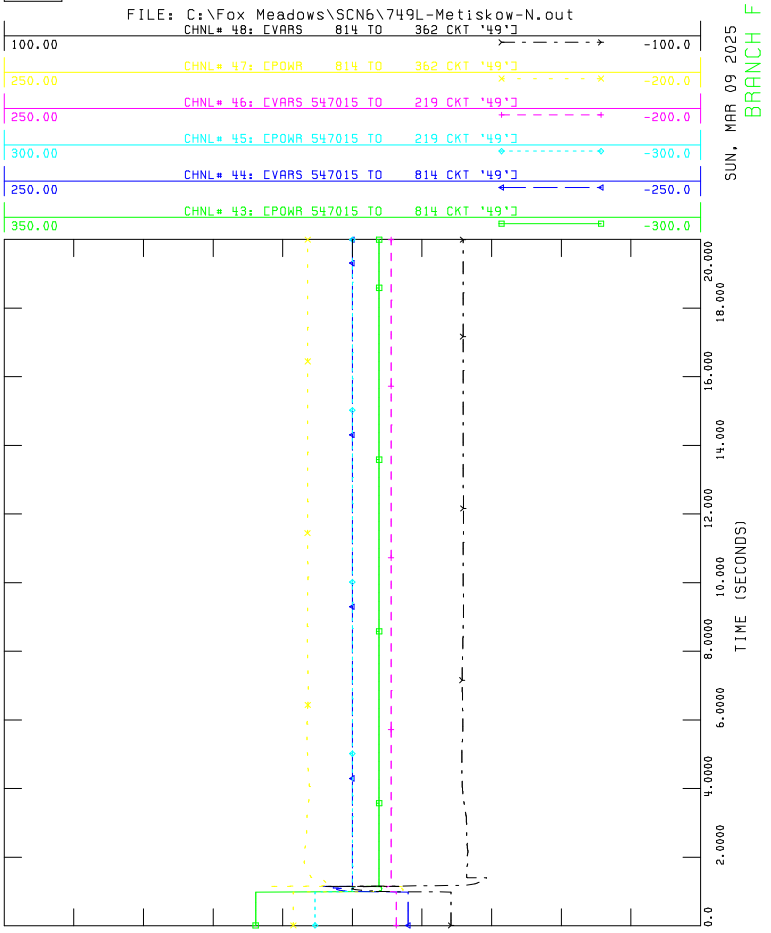
FILE: C:\Fox Meadows\SCN6\749L-Metiskow-N.out



SUN, MAR 09 2025 6:35
VOLTAGE

AESO ABO FOX MEADOWS-2028 SP
749L-METISKOW-NEAR

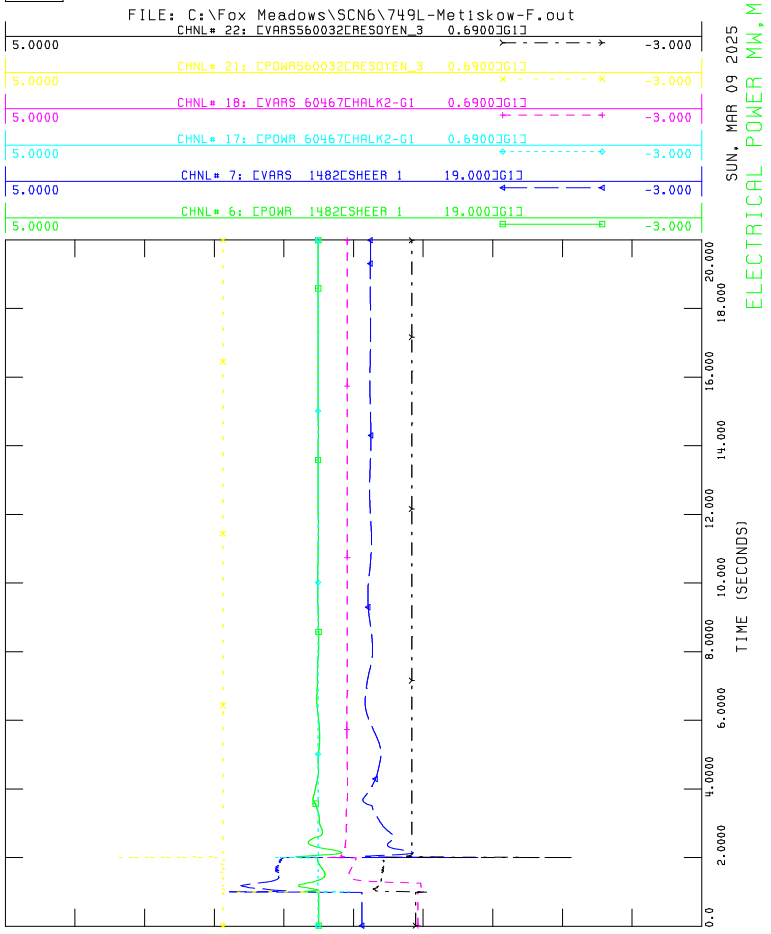
FILE: C:\Fox Meadows\SCN6\749L-Metiskow-N.out



SUN, MAR 09 2025 6:35
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SP
749L-METISKOW-FAR

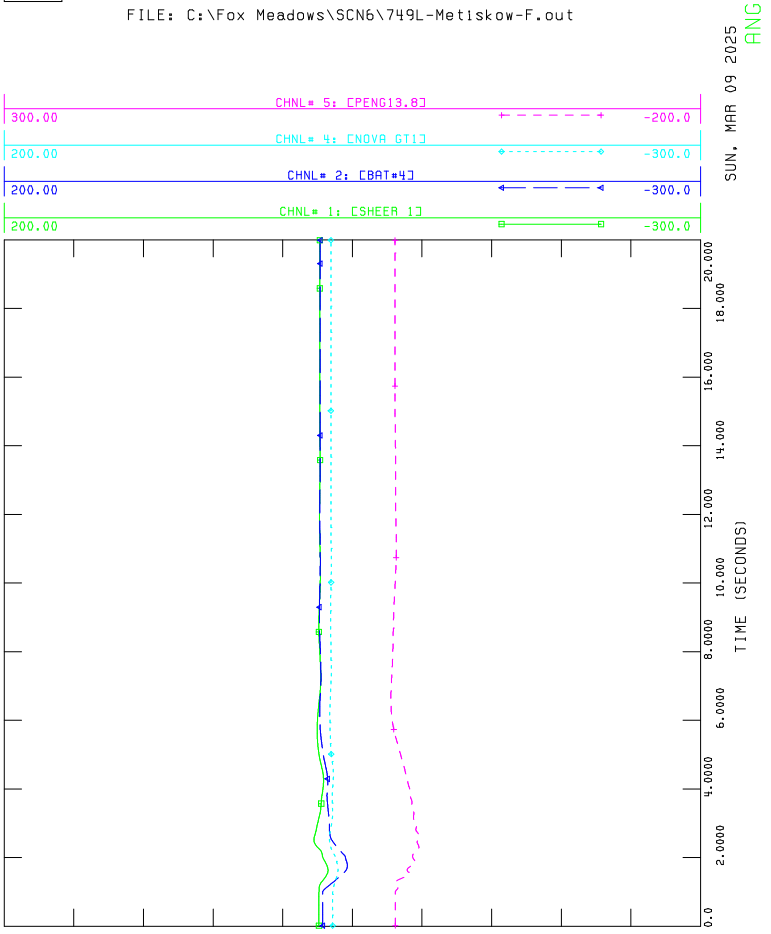
FILE: C:\Fox Meadows\SCN6\749L-Metiskow-F.out



SUN, MAR 09 2025 6:35
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SP
749L-METISKOW-FAR

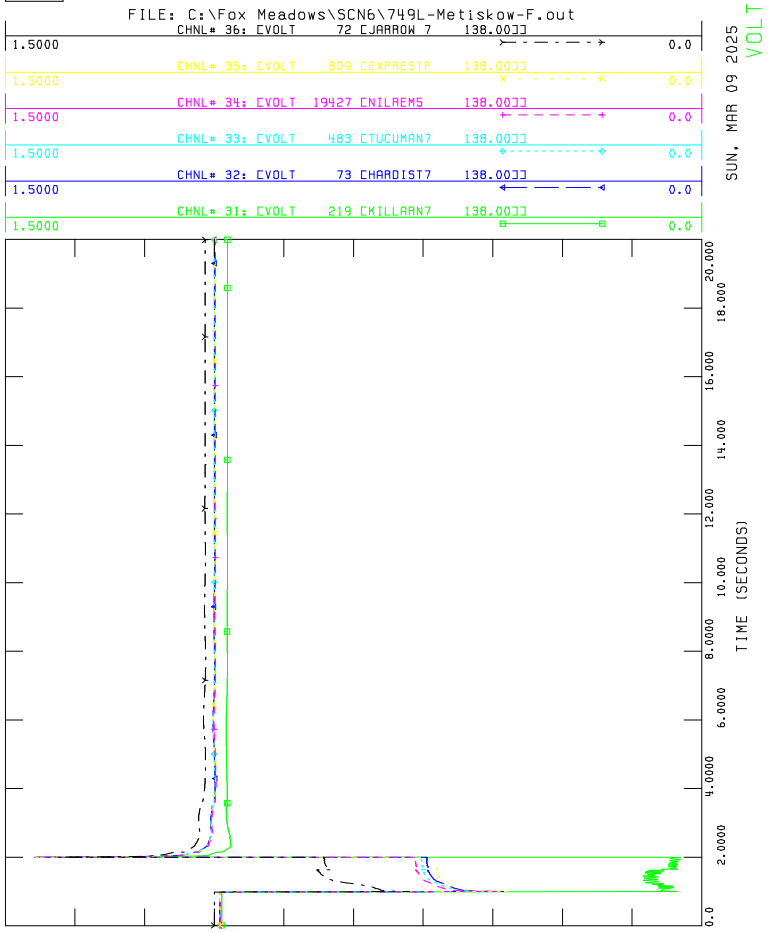
FILE: C:\Fox Meadows\SCN6\749L-Metiskow-F.out



SUN, MAR 09 2025 6:35
ANGLES

AESO ABO FOX MEADOWS-2028 SP
749L-METISKOW-FAR

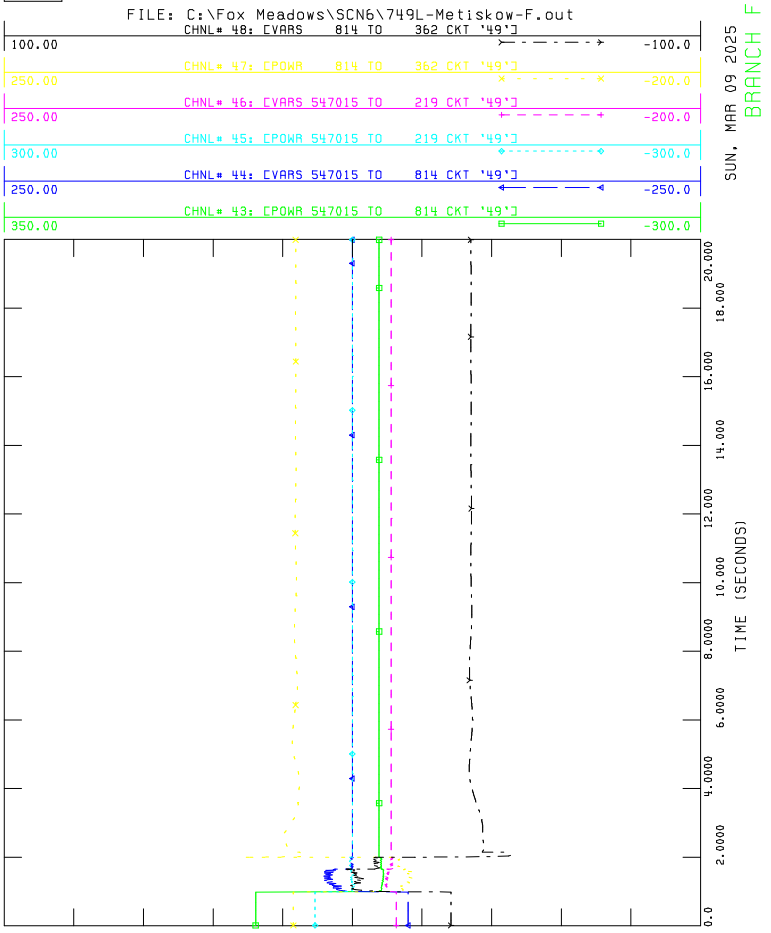
FILE: C:\Fox Meadows\SCN6\749L-Metiskow-F.out



SUN, MAR 09 2025 6:35
VOLTAGE

AESO ABO FOX MEADOWS-2028 SP
749L-METISKOW-FAR

FILE: C:\Fox Meadows\SCN6\749L-Metiskow-F.out



SUN, MAR 09 2025 6:35
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SP
749L-EDGERTON-NEAR

FILE: C:\Fox Meadows\SCN6\749L-Edgerton-N.out

SUN, MAR 09 2025 6:35

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
5.0000 -3.000
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
5.0000 -3.000

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
749L-EDGERTON-NEAR

FILE: C:\Fox Meadows\SCN6\749L-Edgerton-N.out

SUN, MAR 09 2025 6:35

ANGLES

CHNL# 5: CPENG13.8J
300.00 -200.0
CHNL# 4: CNOVA GT1J
200.00 -300.0
CHNL# 2: CBAT#4J
200.00 -300.0
CHNL# 1: CSHEER 1J
200.00 -300.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
749L-EDGERTON-NEAR

FILE: C:\Fox Meadows\SCN6\749L-Edgerton-N.out

SUN, MAR 09 2025 6:35

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
1.5000 0.0
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
1.5000 0.0
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
1.5000 0.0
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
1.5000 0.0
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
1.5000 0.0
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ
1.5000 0.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
749L-EDGERTON-NEAR

FILE: C:\Fox Meadows\SCN6\749L-Edgerton-N.out

SUN, MAR 09 2025 6:35

BRANCH FLOW

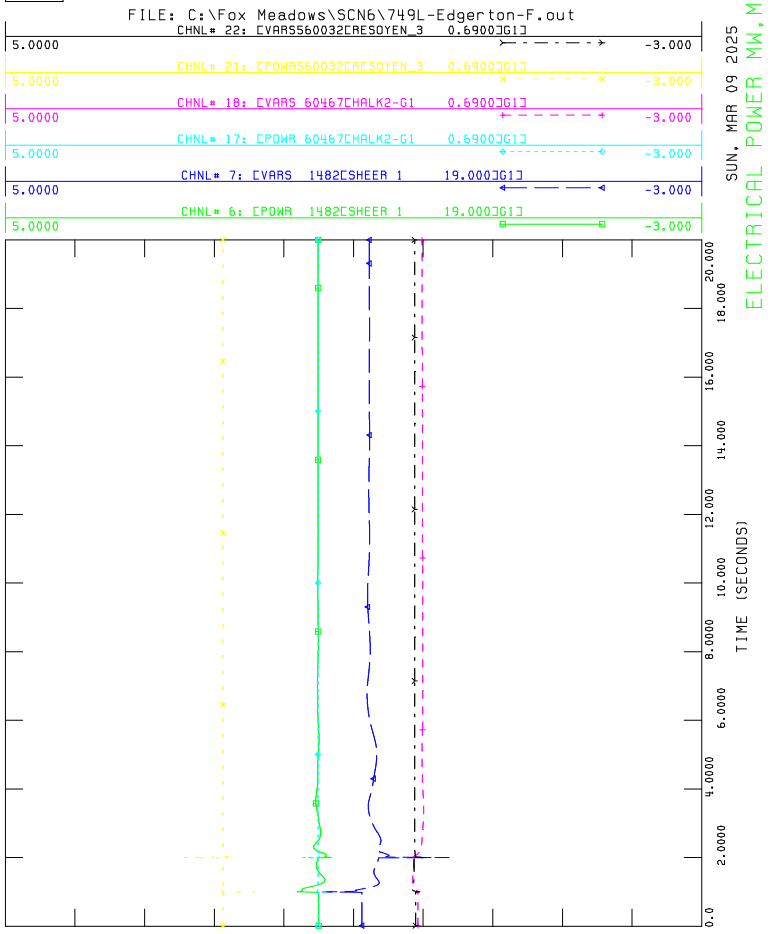
CHNL# 48: CVARS 814 TO 362 CKT '49'J
300.00 -300.0
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
300.00 -300.0
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
350.00 -300.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
749L-EDGERTON-FAR

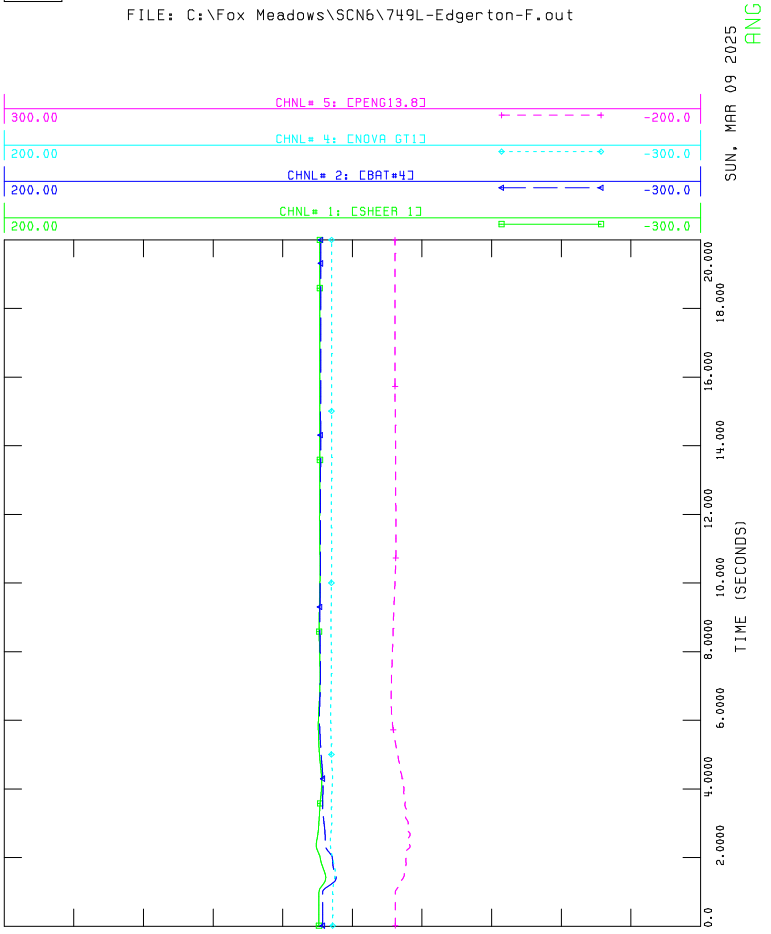
FILE: C:\Fox Meadows\SCN6\749L-Edgerton-F.out



SUN, MAR 09 2025 6:35
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SP
749L-EDGERTON-FAR

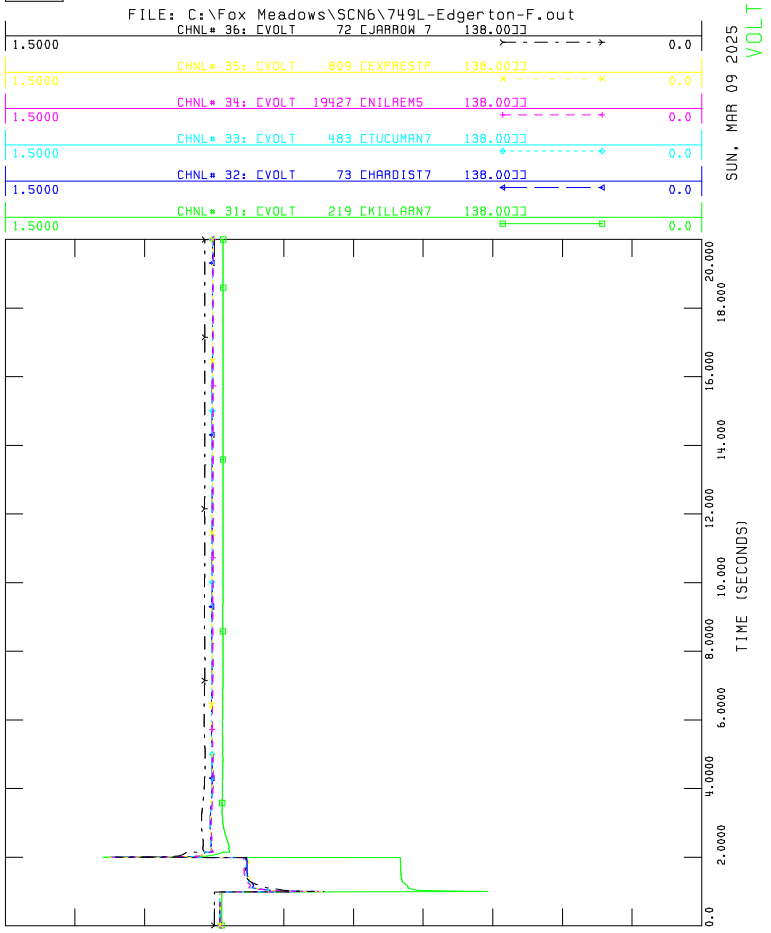
FILE: C:\Fox Meadows\SCN6\749L-Edgerton-F.out



SUN, MAR 09 2025 6:35
ANGLES

AESO ABO FOX MEADOWS-2028 SP
749L-EDGERTON-FAR

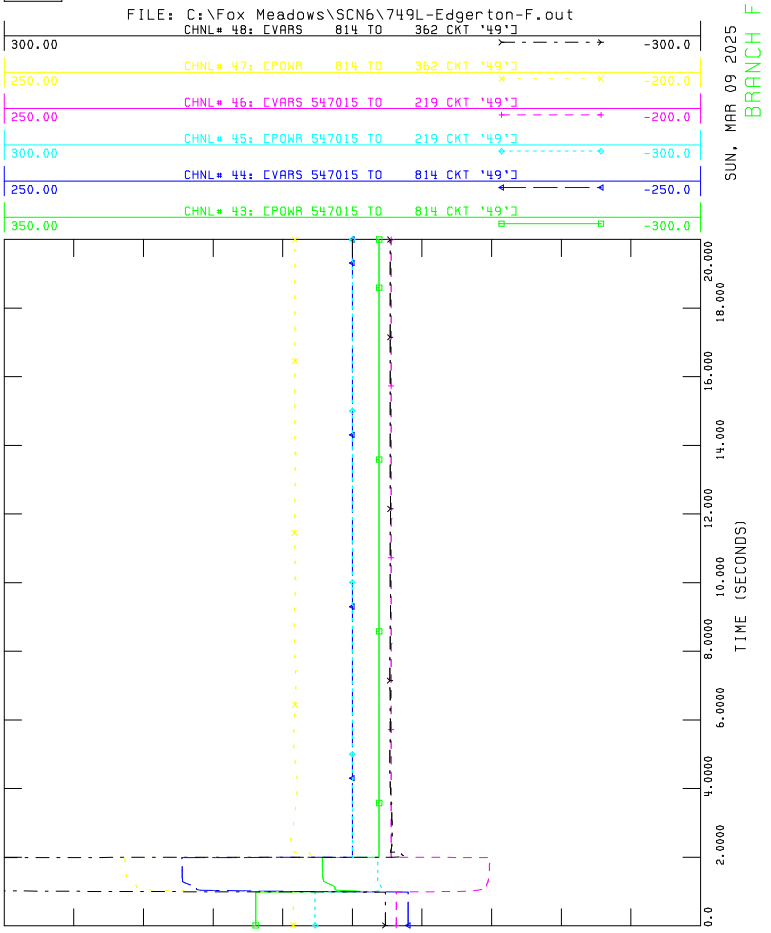
FILE: C:\Fox Meadows\SCN6\749L-Edgerton-F.out



SUN, MAR 09 2025 6:35
VOLTAGE

AESO ABO FOX MEADOWS-2028 SP
749L-EDGERTON-FAR

FILE: C:\Fox Meadows\SCN6\749L-Edgerton-F.out



SUN, MAR 09 2025 6:35
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SP
749AL-KILLARNEY-NEAR

FILE: C:\Fox Meadows\SCN6\749AL-Killarney-N.out

SUN, MAR 09 2025 6:35

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
5.0000 -3.000
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
5.0000 -3.000

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SP
749AL-KILLARNEY-NEAR

FILE: C:\Fox Meadows\SCN6\749AL-Killarney-N.out

SUN, MAR 09 2025 6:35

ANGLES

CHNL# 5: CPENG13.8J
300.00 -200.0
CHNL# 4: CNOVA GT1J
200.00 -300.0
CHNL# 2: CBAT#4J
200.00 -300.0
CHNL# 1: CSHEER 1J
200.00 -300.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SP
749AL-KILLARNEY-NEAR

FILE: C:\Fox Meadows\SCN6\749AL-Killarney-N.out

SUN, MAR 09 2025 6:35

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
1.5000 0.0
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
1.5000 0.0
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
1.5000 0.0
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
1.5000 0.0
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
1.5000 0.0
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ
1.5000 0.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SP
749AL-KILLARNEY-NEAR

FILE: C:\Fox Meadows\SCN6\749AL-Killarney-N.out

SUN, MAR 09 2025 6:35

BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
100.00 -100.0
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
300.00 -300.0
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
350.00 -300.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SP
749AL-KILLARNEY-FAR

FILE: C:\Fox Meadows\SCN6\749AL-Killarney-F.out

SUN, MAR 09 2025 6:35

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
5.0000 -3.000
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
5.0000 -3.000

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
749AL-KILLARNEY-FAR

FILE: C:\Fox Meadows\SCN6\749AL-Killarney-F.out

SUN, MAR 09 2025 6:35

ANGLES

CHNL# 5: CPENG13.8J
300.00 -200.0
CHNL# 4: CNOVA GT1J
200.00 -300.0
CHNL# 2: CBAT#4J
200.00 -300.0
CHNL# 1: CSHEER 1J
200.00 -300.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
749AL-KILLARNEY-FAR

FILE: C:\Fox Meadows\SCN6\749AL-Killarney-F.out

SUN, MAR 09 2025 6:35

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
1.5000 0.0
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
1.5000 0.0
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
1.5000 0.0
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
1.5000 0.0
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
1.5000 0.0
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ
1.5000 0.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
749AL-KILLARNEY-FAR

FILE: C:\Fox Meadows\SCN6\749AL-Killarney-F.out

SUN, MAR 09 2025 6:35

BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
100.00 -100.0
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
300.00 -300.0
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
350.00 -300.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
749AL-P2460-NEAR

FILE: C:\Fox Meadows\SCN6\749AL-P2460-N.out

SUN, MAR 09 2025 6:35

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
5.0000 -3.000
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
5.0000 -3.000

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
749AL-P2460-NEAR

FILE: C:\Fox Meadows\SCN6\749AL-P2460-N.out

SUN, MAR 09 2025 6:35

ANGLES

CHNL# 5: CPENG13,8J
300.00 -200.0
CHNL# 4: CNOVA GT1J
200.00 -300.0
CHNL# 2: CBAT#4J
200.00 -300.0
CHNL# 1: CSHEER 1J
200.00 -300.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
749AL-P2460-NEAR

FILE: C:\Fox Meadows\SCN6\749AL-P2460-N.out

SUN, MAR 09 2025 6:35

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
1.5000 0.0
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
1.5000 0.0
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
1.5000 0.0
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
1.5000 0.0
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
1.5000 0.0
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ
1.5000 0.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
749AL-P2460-NEAR

FILE: C:\Fox Meadows\SCN6\749AL-P2460-N.out

SUN, MAR 09 2025 6:35

BRANCH FLOW

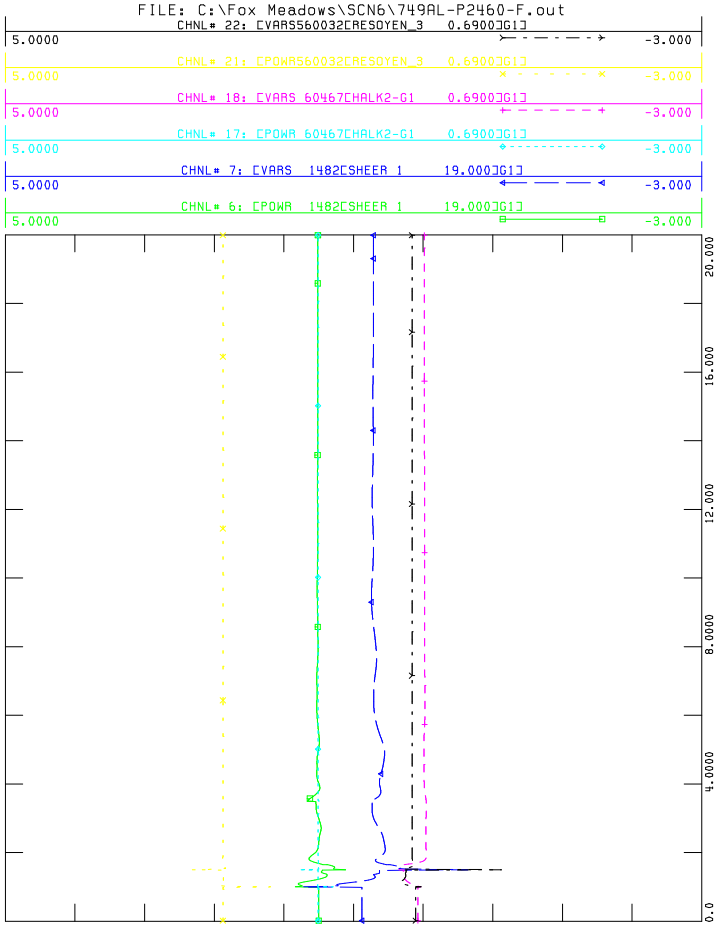
CHNL# 48: CVARS 814 TO 362 CKT '49'J
100.00 -100.0
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
300.00 -300.0
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
350.00 -300.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
749AL-P2460-FAR

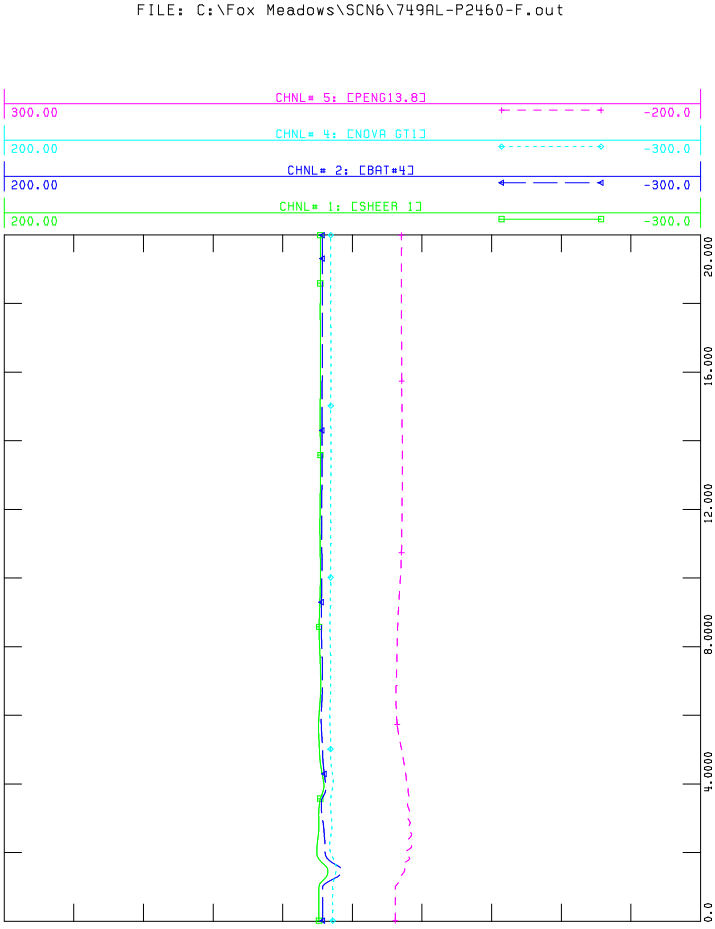
FILE: C:\Fox Meadows\SCN6\749AL-P2460-F.out



SUN, MAR 09 2025 6:35
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SP
749AL-P2460-FAR

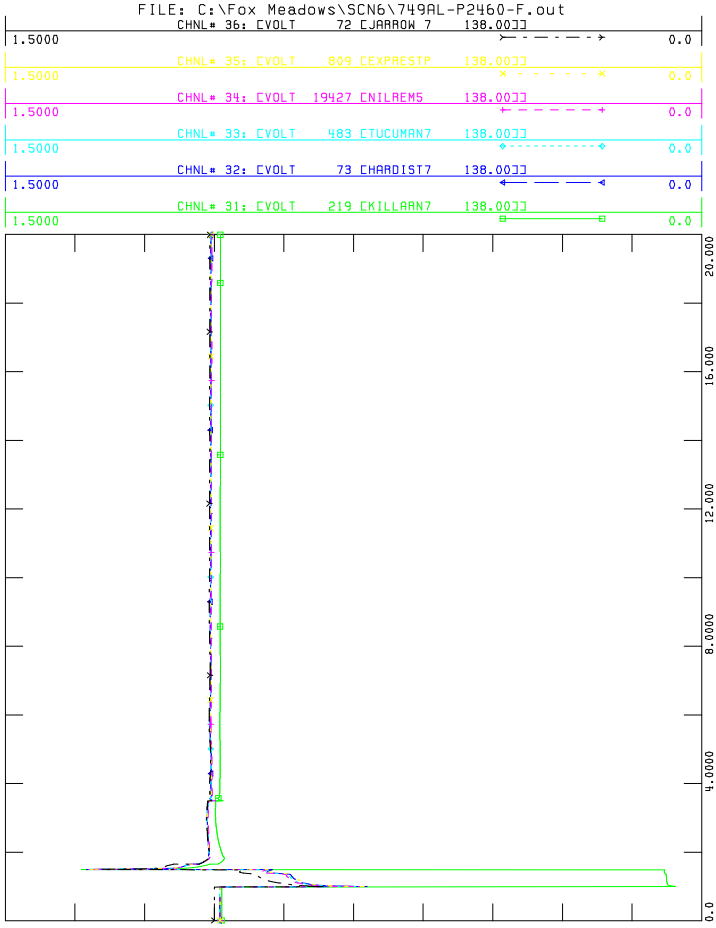
FILE: C:\Fox Meadows\SCN6\749AL-P2460-F.out



SUN, MAR 09 2025 6:35
ANGLES

AESO ABO FOX MEADOWS-2028 SP
749AL-P2460-FAR

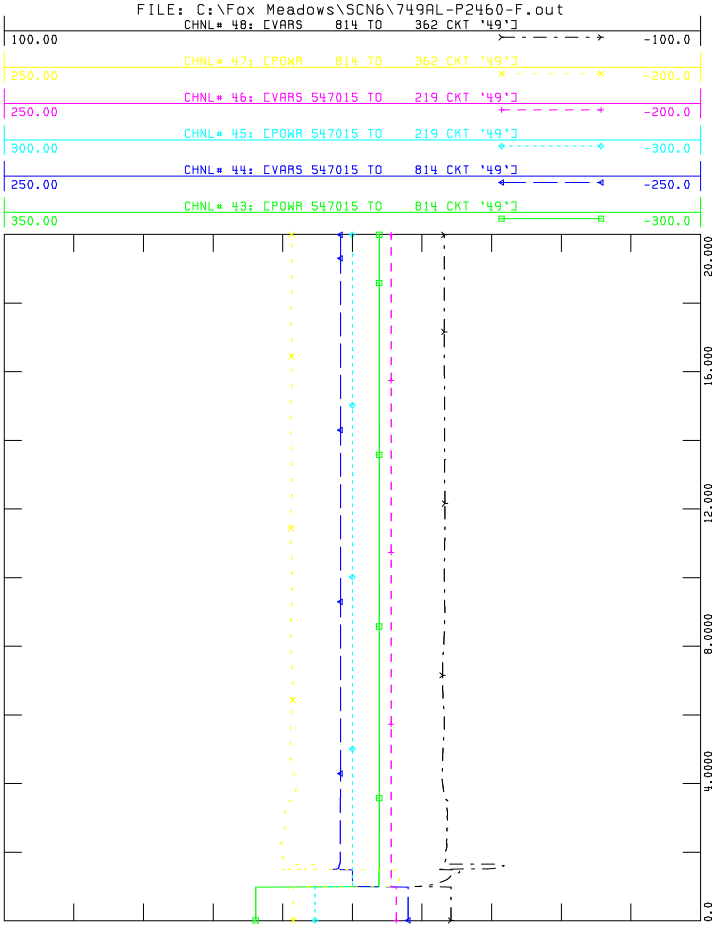
FILE: C:\Fox Meadows\SCN6\749AL-P2460-F.out



SUN, MAR 09 2025 6:35
VOLTAGE

AESO ABO FOX MEADOWS-2028 SP
749AL-P2460-FAR

FILE: C:\Fox Meadows\SCN6\749AL-P2460-F.out



SUN, MAR 09 2025 6:35
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SP
748L-KILLARNEY-NEAR

FILE: C:\Fox Meadows\SCN6\748L-Killarney-N.out

SUN, MAR 09 2025 6:35

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
5.0000 -3.000
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
5.0000 -3.000

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
748L-KILLARNEY-NEAR

FILE: C:\Fox Meadows\SCN6\748L-Killarney-N.out

SUN, MAR 09 2025 6:35

ANGLES

CHNL# 5: CPENG13.8J
300.00 -200.0
CHNL# 4: CNOVA GT1J
200.00 -300.0
CHNL# 2: CBAT#4J
200.00 -300.0
CHNL# 1: CSHEER 1J
200.00 -300.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
748L-KILLARNEY-NEAR

FILE: C:\Fox Meadows\SCN6\748L-Killarney-N.out

SUN, MAR 09 2025 6:35

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
1.5000 0.0
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
1.5000 0.0
CHNL# 34: CVOLT 19427 CNILAEM5 138.00JJ
1.5000 0.0
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
1.5000 0.0
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
1.5000 0.0
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ
1.5000 0.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
748L-KILLARNEY-NEAR

FILE: C:\Fox Meadows\SCN6\748L-Killarney-N.out

SUN, MAR 09 2025 6:35

BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
100.00 -100.0
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
300.00 -300.0
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
350.00 -300.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
748L-KILLARNEY-FAR

FILE: C:\Fox Meadows\SCN6\748L-Killarney-F.out

SUN, MAR 09 2025 6:36

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
5.0000 -3.000
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
5.0000 -3.000

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
748L-KILLARNEY-FAR

FILE: C:\Fox Meadows\SCN6\748L-Killarney-F.out

SUN, MAR 09 2025 6:36

ANGLES

CHNL# 5: CPENG13.8J
300.00 -200.0
CHNL# 4: CNOVA GT1J
200.00 -300.0
CHNL# 2: CBAT#4J
200.00 -300.0
CHNL# 1: CSHEER 1J
200.00 -300.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
748L-KILLARNEY-FAR

FILE: C:\Fox Meadows\SCN6\748L-Killarney-F.out

SUN, MAR 09 2025 6:35

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJJ
1.5000 0.0
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJJ
1.5000 0.0
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJJ
1.5000 0.0
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJJ
1.5000 0.0
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJJ
1.5000 0.0
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJJ
1.5000 0.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
748L-KILLARNEY-FAR

FILE: C:\Fox Meadows\SCN6\748L-Killarney-F.out

SUN, MAR 09 2025 6:36

BRANCH FLOW

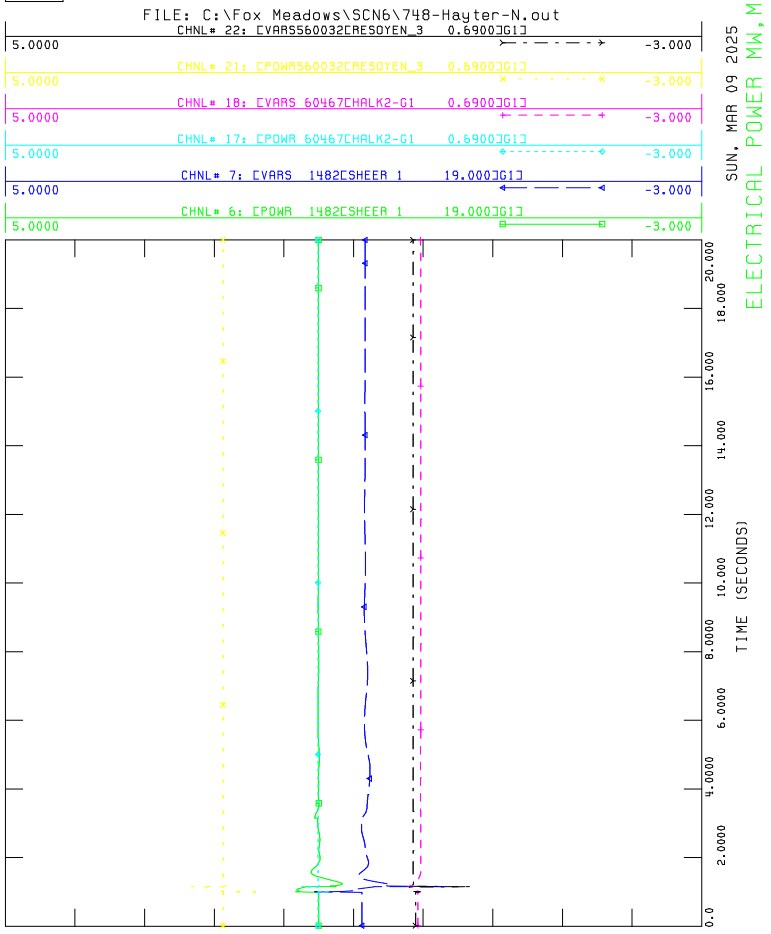
CHNL# 48: CVARS 814 TO 362 CKT '49'J
100.00 -100.0
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
300.00 -300.0
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
350.00 -300.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
748L-HAYTER-NEAR

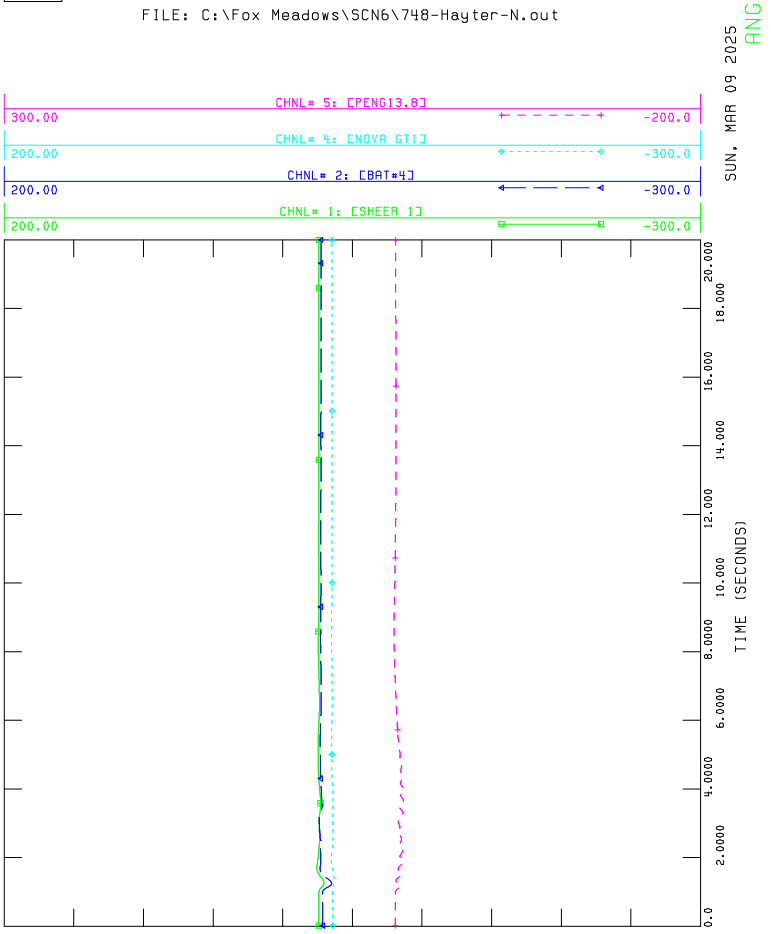
FILE: C:\Fox Meadows\SCN6\748-Hayter-N.out



SUN, MAR 09 2025 6:36
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SP
748L-HAYTER-NEAR

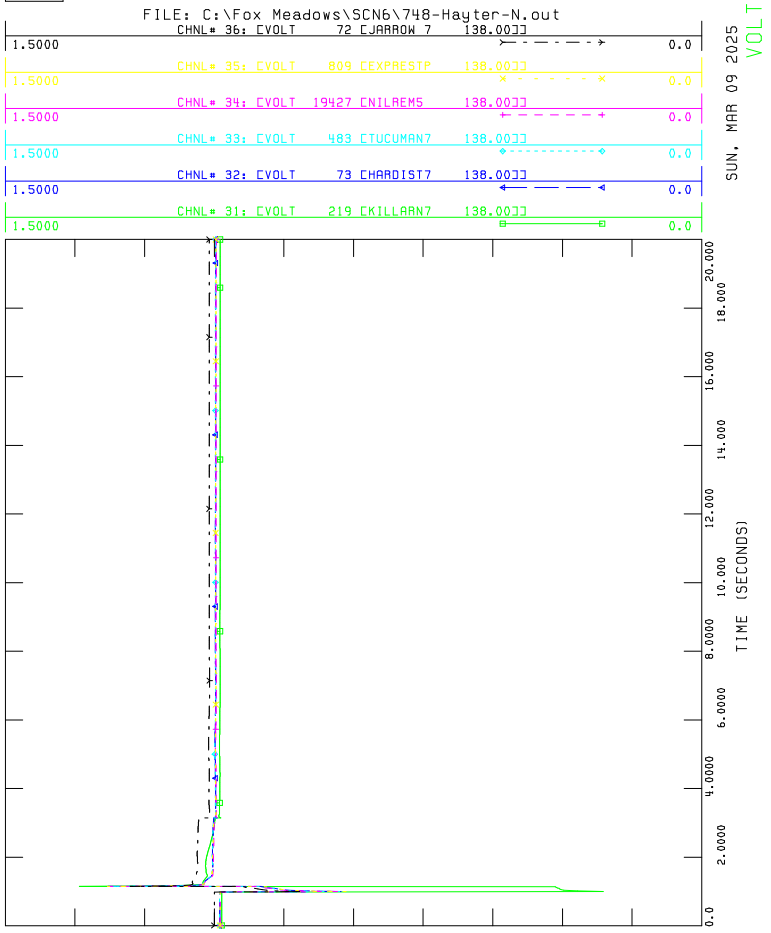
FILE: C:\Fox Meadows\SCN6\748-Hayter-N.out



SUN, MAR 09 2025 6:36
ANGLES

AESO ABO FOX MEADOWS-2028 SP
748L-HAYTER-NEAR

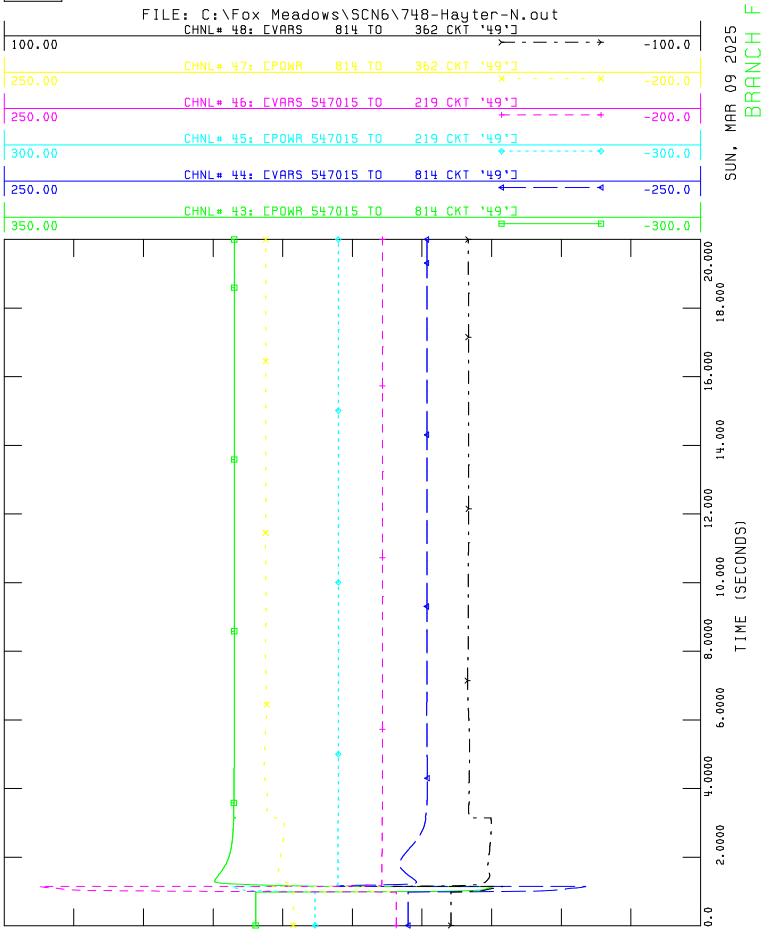
FILE: C:\Fox Meadows\SCN6\748-Hayter-N.out



SUN, MAR 09 2025 6:36
VOLTAGE

AESO ABO FOX MEADOWS-2028 SP
748L-HAYTER-NEAR

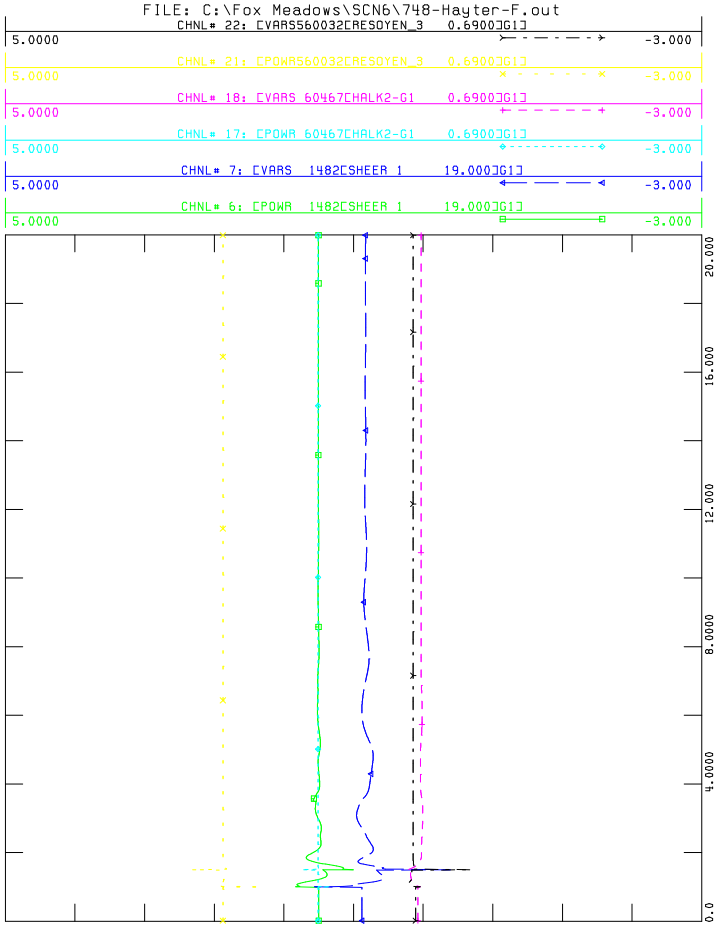
FILE: C:\Fox Meadows\SCN6\748-Hayter-N.out



SUN, MAR 09 2025 6:36
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SP
748L-HAYTER-FAR

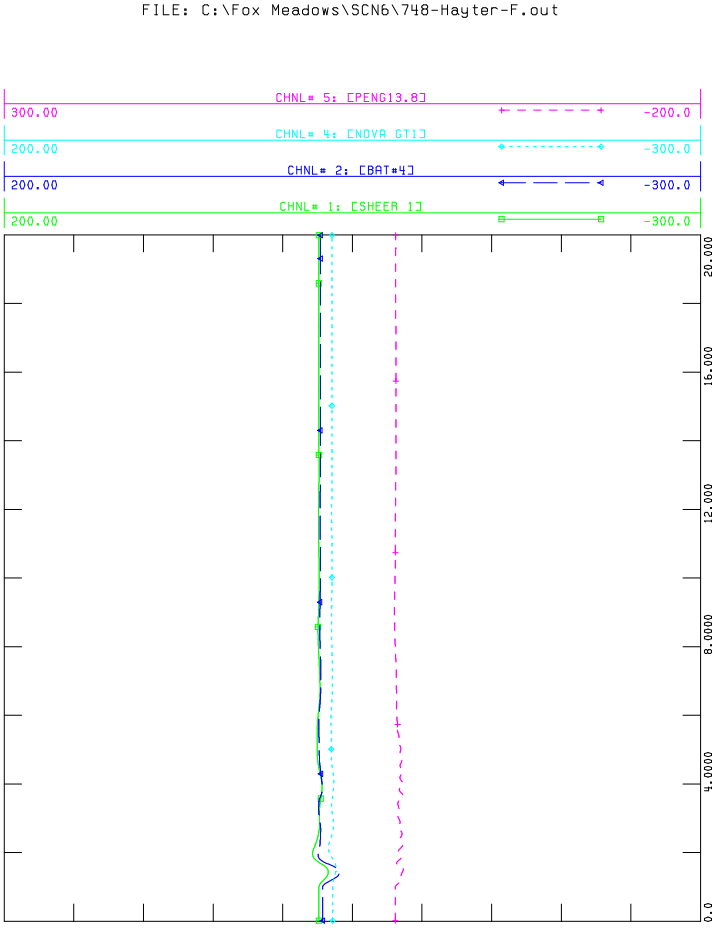
FILE: C:\Fox Meadows\SCN6\748-Hayter-F.out



SUN, MAR 09 2025 6:36
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SP
748L-HAYTER-FAR

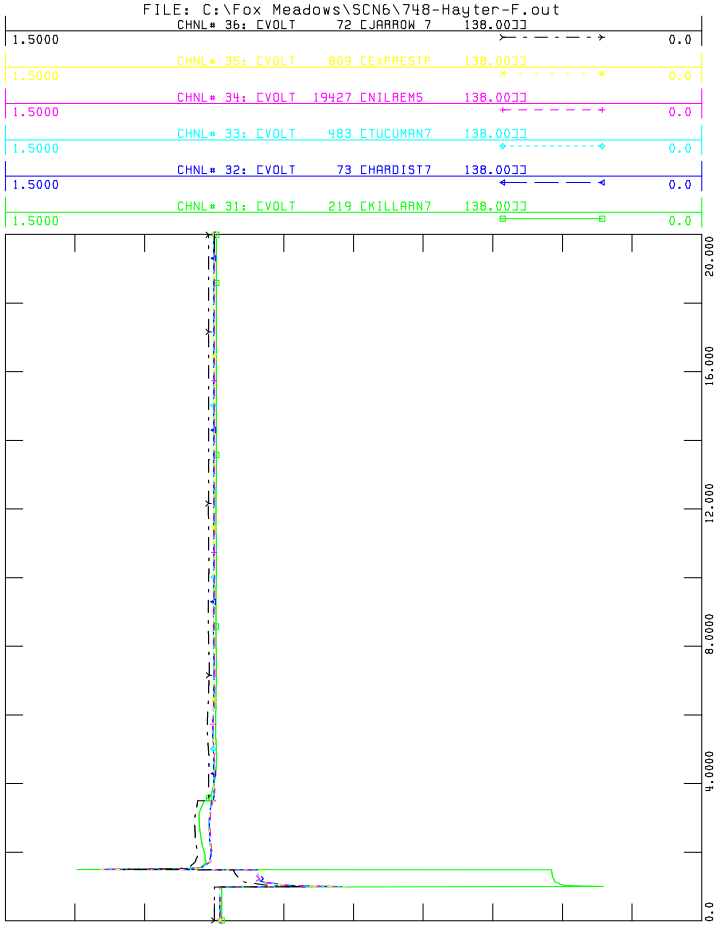
FILE: C:\Fox Meadows\SCN6\748-Hayter-F.out



SUN, MAR 09 2025 6:36
ANGLES

AESO ABO FOX MEADOWS-2028 SP
748L-HAYTER-FAR

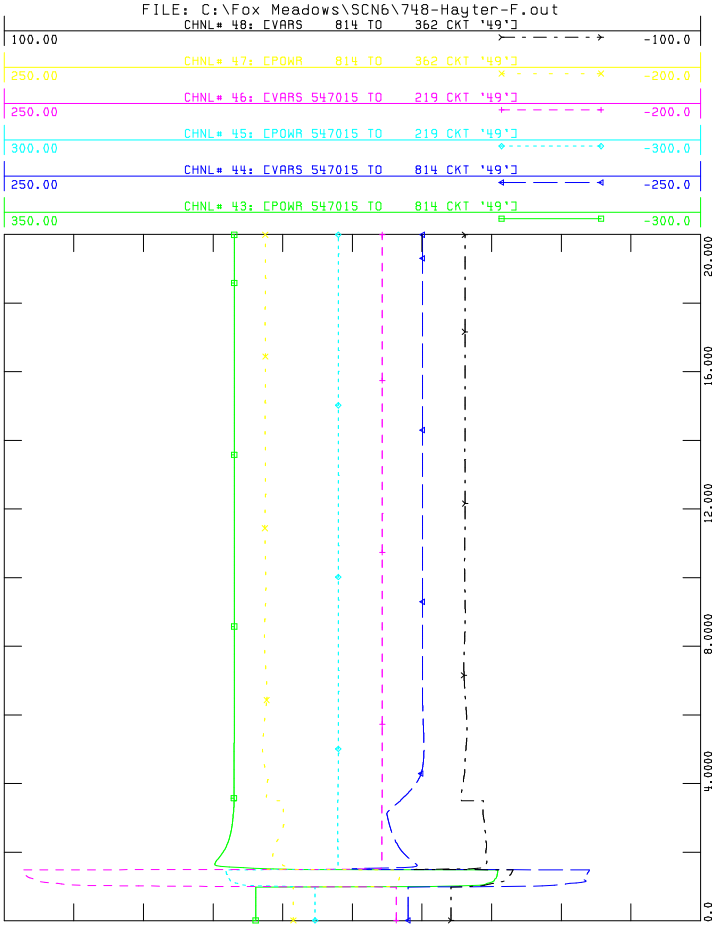
FILE: C:\Fox Meadows\SCN6\748-Hayter-F.out



SUN, MAR 09 2025 6:36
VOLTAGE

AESO ABO FOX MEADOWS-2028 SP
748L-HAYTER-FAR

FILE: C:\Fox Meadows\SCN6\748-Hayter-F.out



SUN, MAR 09 2025 6:36
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SP
398L-HAYTER-NEAR

FILE: C:\Fox Meadows\SCN6\398L-Hayter-N.out

SUN, MAR 09 2025 6:36

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
5.0000 -3.000
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
5.0000 -3.000

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
398L-HAYTER-NEAR

FILE: C:\Fox Meadows\SCN6\398L-Hayter-N.out

SUN, MAR 09 2025 6:36

ANGLES

CHNL# 5: CPENG13,8J
300.00 -200.0
CHNL# 4: CNOVA GT1J
200.00 -300.0
CHNL# 2: CBAT#4J
200.00 -300.0
CHNL# 1: CSHEER 1J
200.00 -300.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
398L-HAYTER-NEAR

FILE: C:\Fox Meadows\SCN6\398L-Hayter-N.out

SUN, MAR 09 2025 6:36

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
1.5000 0.0
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
1.5000 0.0
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
1.5000 0.0
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
1.5000 0.0
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
1.5000 0.0
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ
1.5000 0.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
398L-HAYTER-NEAR

FILE: C:\Fox Meadows\SCN6\398L-Hayter-N.out

SUN, MAR 09 2025 6:36

BRANCH FLOW

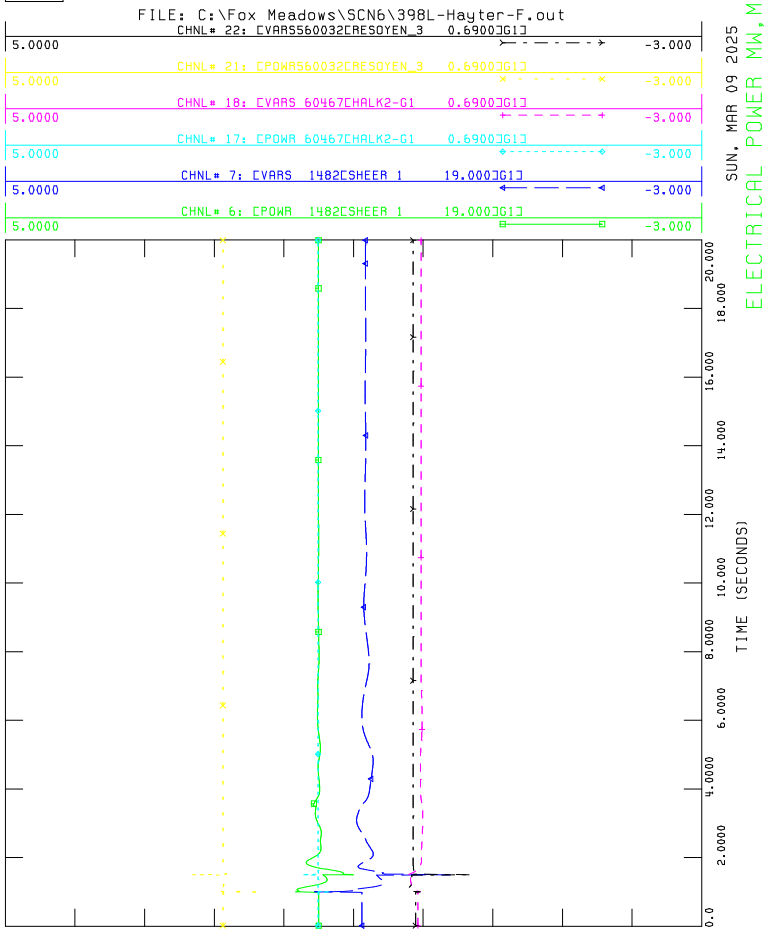
CHNL# 48: CVARS 814 TO 362 CKT '49'J
100.00 -100.0
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
300.00 -300.0
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
350.00 -300.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
398L-HAYTER-FAR

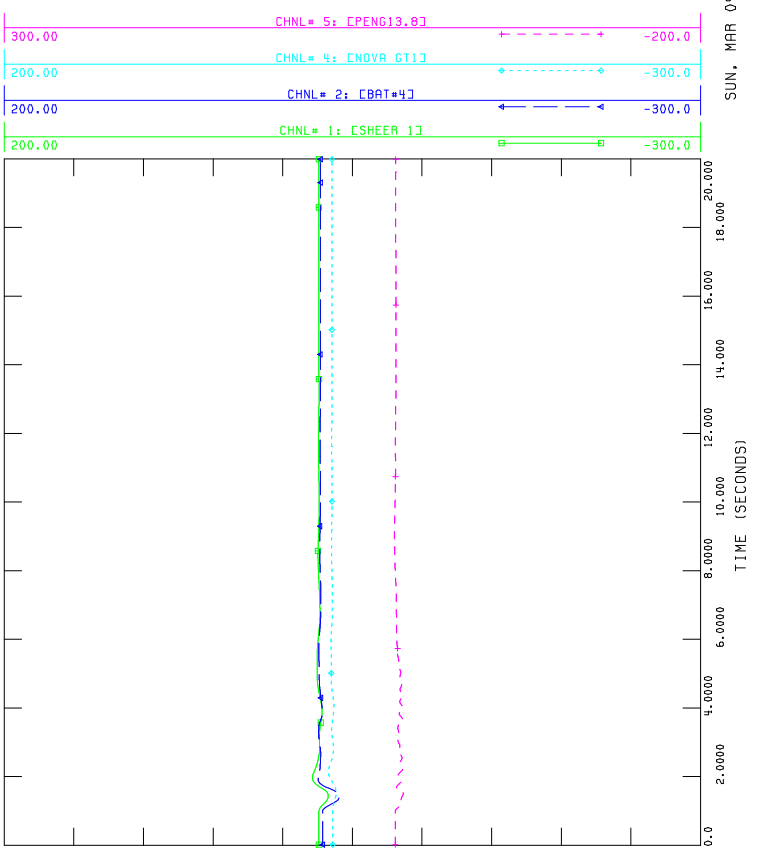
FILE: C:\Fox Meadows\SCN6\398L-Hayter-F.out



SUN, MAR 09 2025 6:36
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SP
398L-HAYTER-FAR

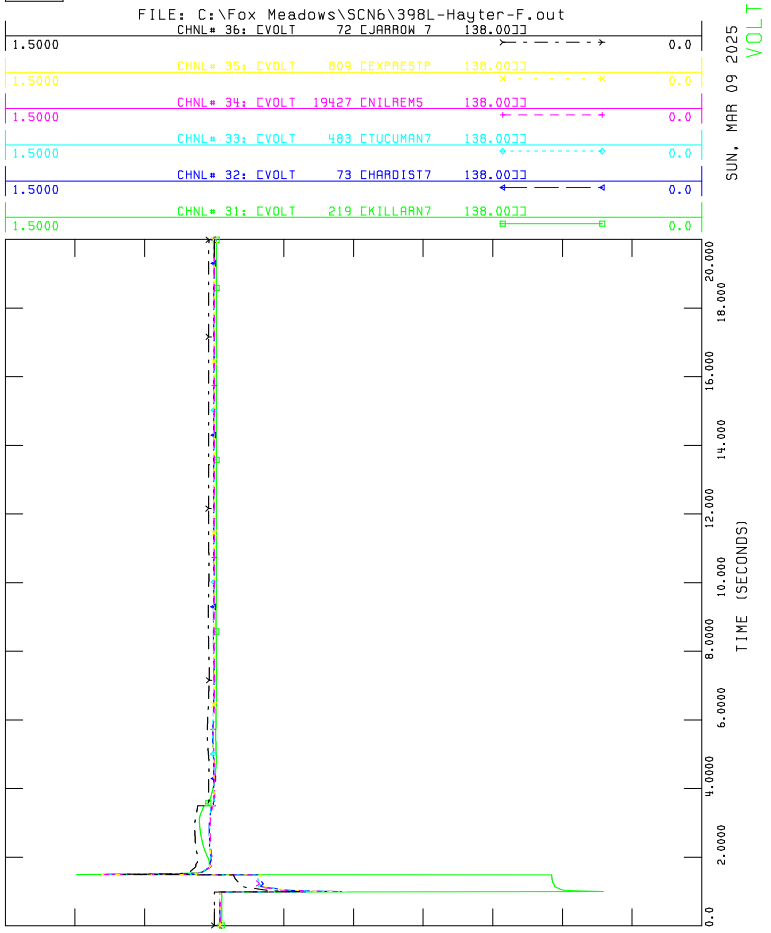
FILE: C:\Fox Meadows\SCN6\398L-Hayter-F.out



SUN, MAR 09 2025 6:36
ANGLES

AESO ABO FOX MEADOWS-2028 SP
398L-HAYTER-FAR

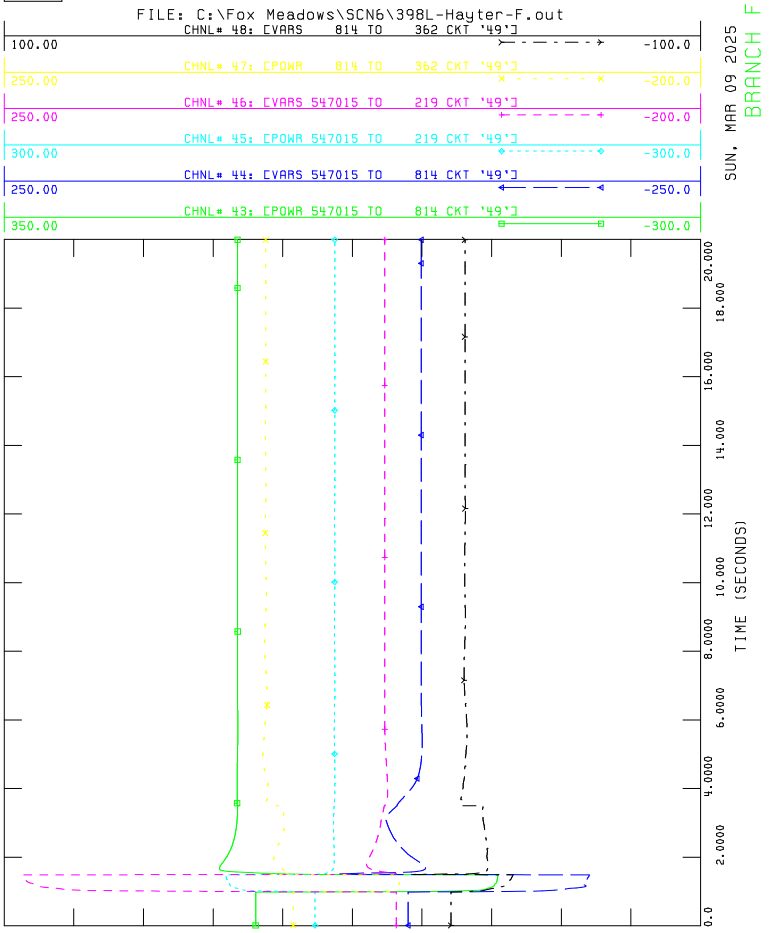
FILE: C:\Fox Meadows\SCN6\398L-Hayter-F.out



SUN, MAR 09 2025 6:36
VOLTAGE

AESO ABO FOX MEADOWS-2028 SP
398L-HAYTER-FAR

FILE: C:\Fox Meadows\SCN6\398L-Hayter-F.out



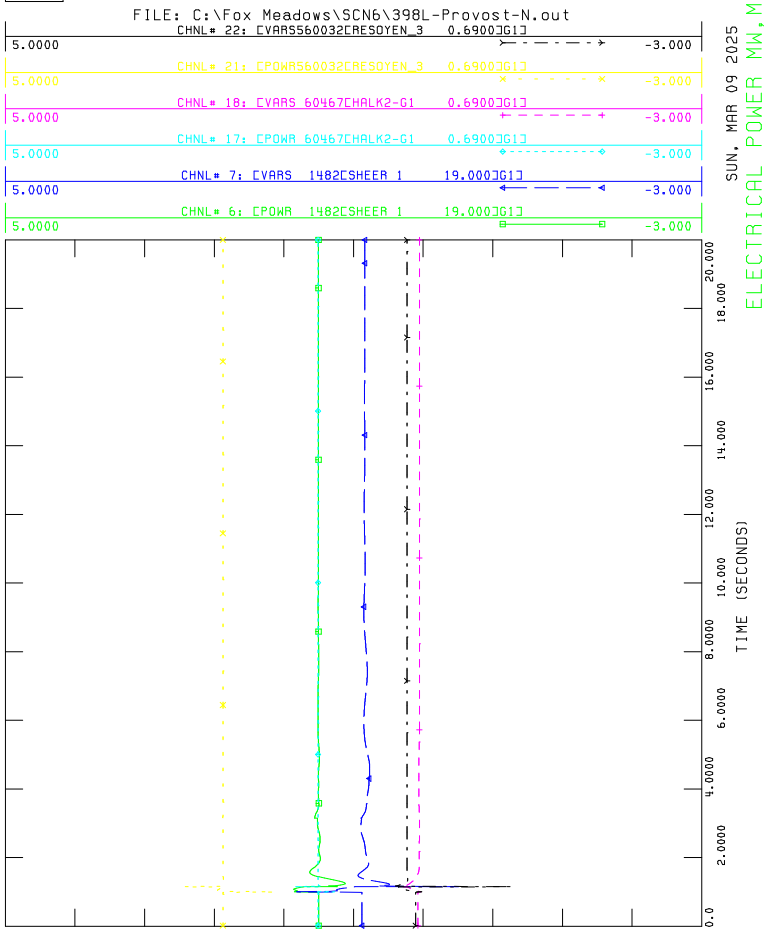
SUN, MAR 09 2025 6:36
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SP
398L-PROVOST-NEAR

FILE: C:\Fox Meadows\SCN6\398L-Provost-N.out

SUN, MAR 09 2025 6:36

ELECTRICAL POWER MW, MVAR

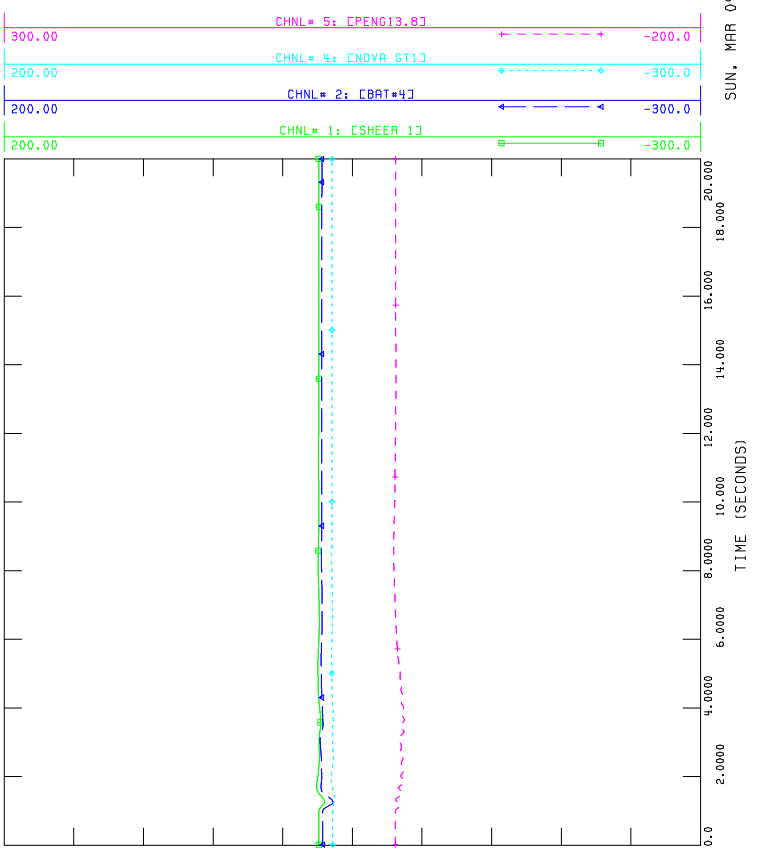


AESO ABO FOX MEADOWS-2028 SP
398L-PROVOST-NEAR

FILE: C:\Fox Meadows\SCN6\398L-Provost-N.out

SUN, MAR 09 2025 6:36

ANGLES

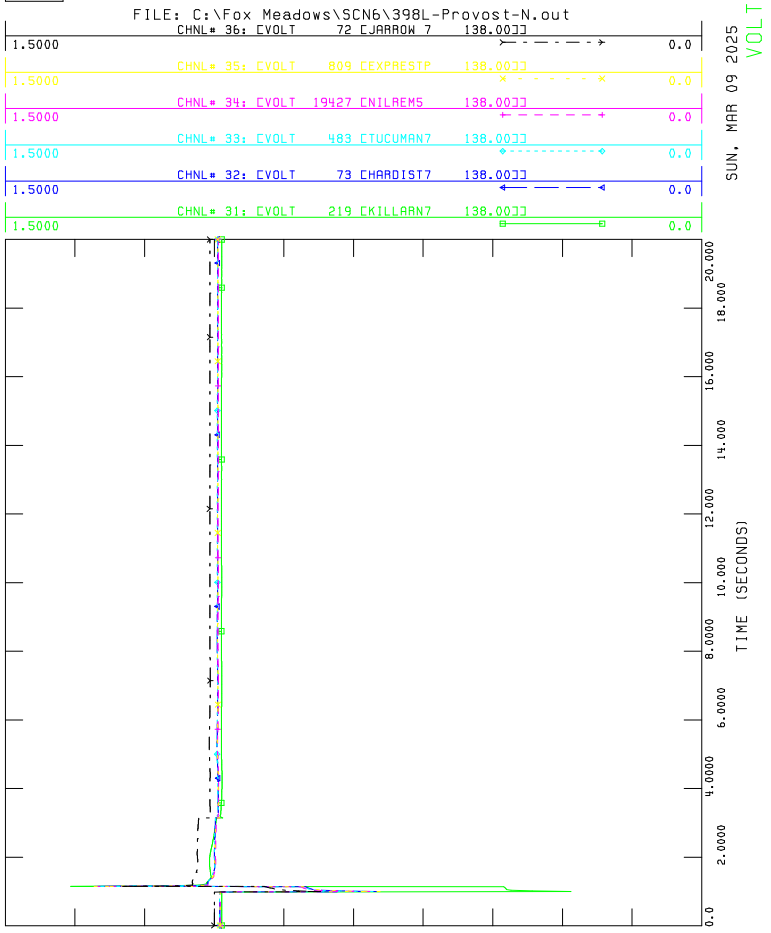


AESO ABO FOX MEADOWS-2028 SP
398L-PROVOST-NEAR

FILE: C:\Fox Meadows\SCN6\398L-Provost-N.out

SUN, MAR 09 2025 6:36

VOLTAGE

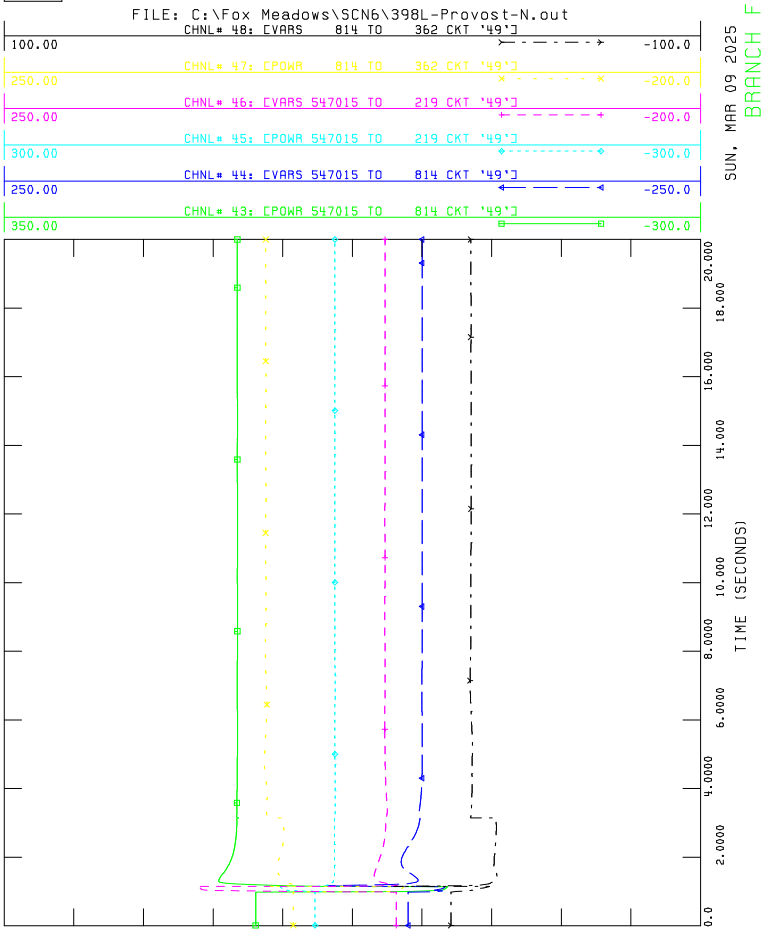


AESO ABO FOX MEADOWS-2028 SP
398L-PROVOST-NEAR

FILE: C:\Fox Meadows\SCN6\398L-Provost-N.out

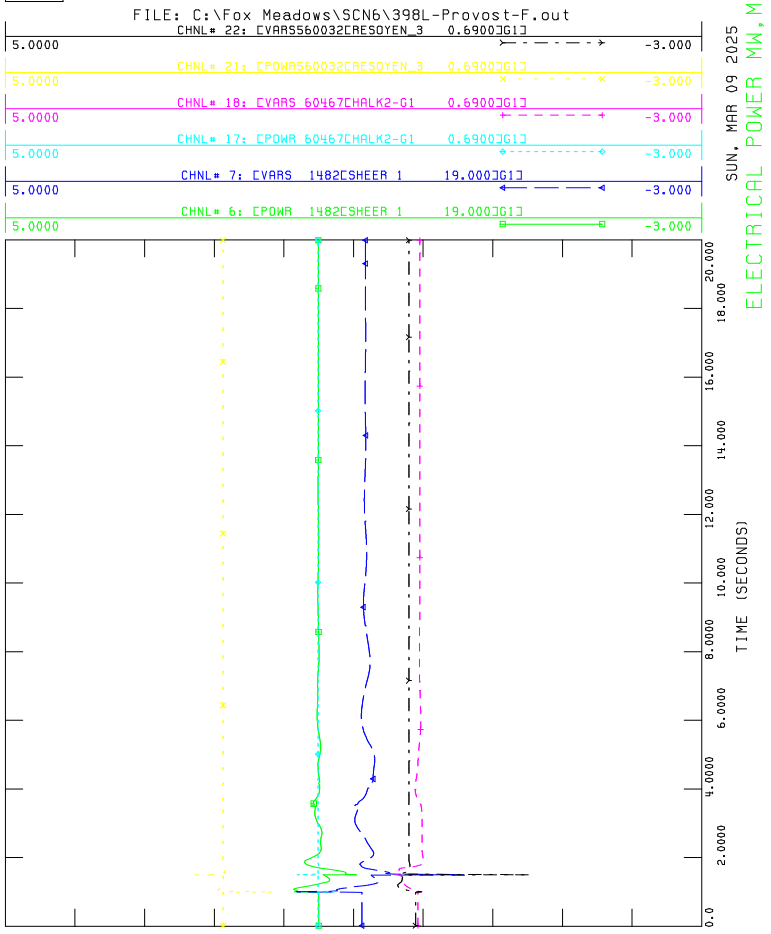
SUN, MAR 09 2025 6:36

BRANCH FLOW



AESO ABO FOX MEADOWS-2028 SP
398L-PROVOST-FAR

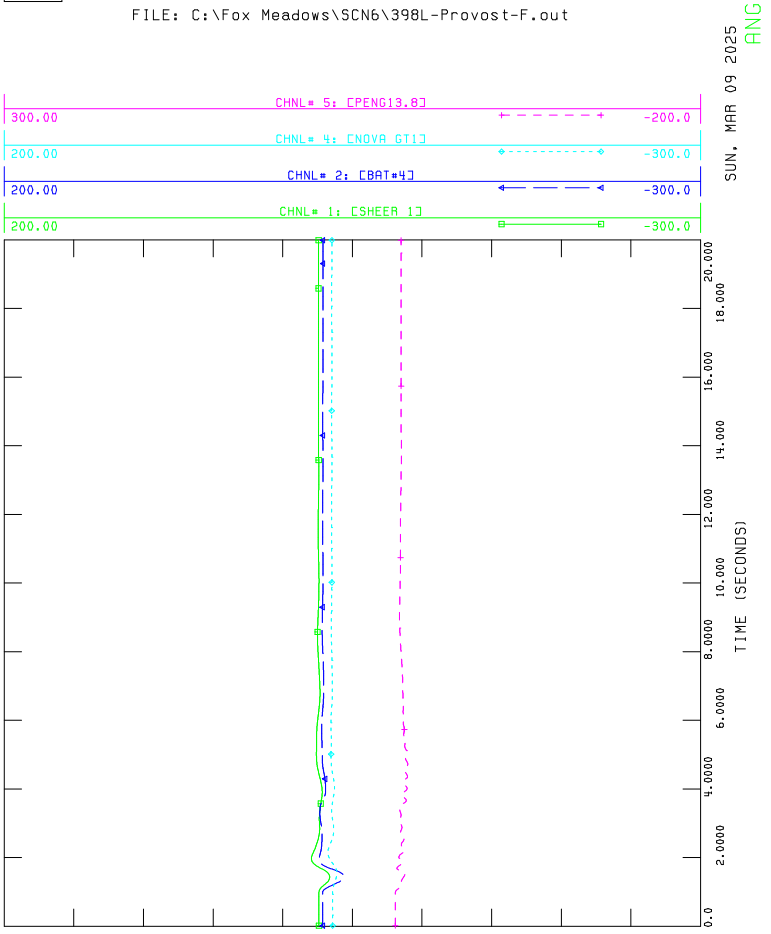
FILE: C:\Fox Meadows\SCN6\398L-Provost-F.out



SUN, MAR 09 2025 6:37 ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SP
398L-PROVOST-FAR

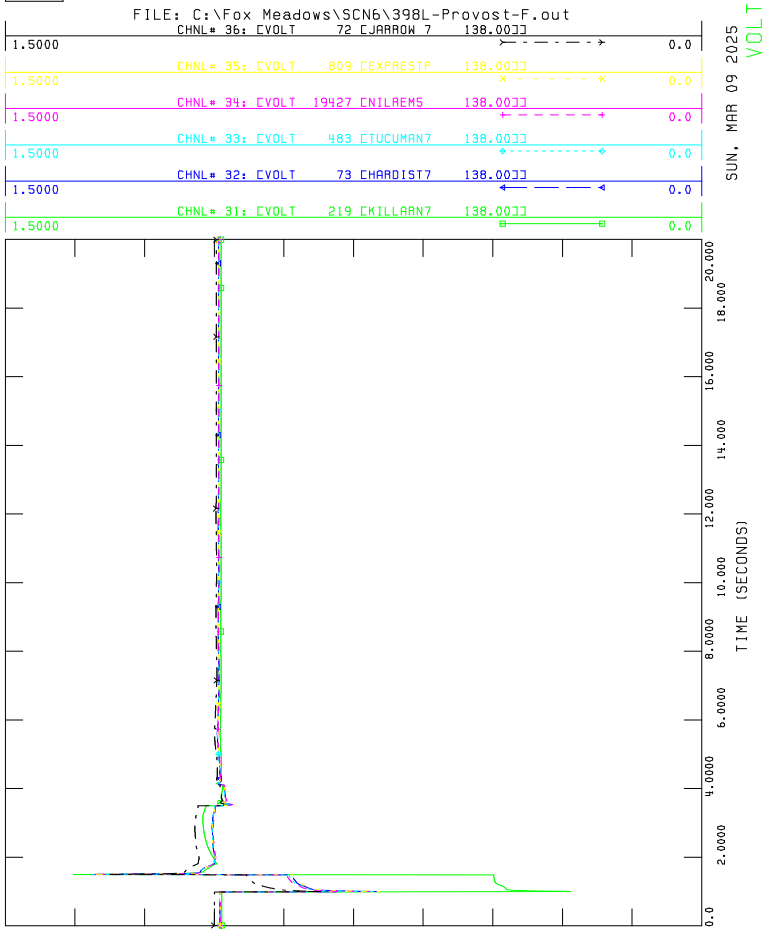
FILE: C:\Fox Meadows\SCN6\398L-Provost-F.out



SUN, MAR 09 2025 6:37 ANGLES

AESO ABO FOX MEADOWS-2028 SP
398L-PROVOST-FAR

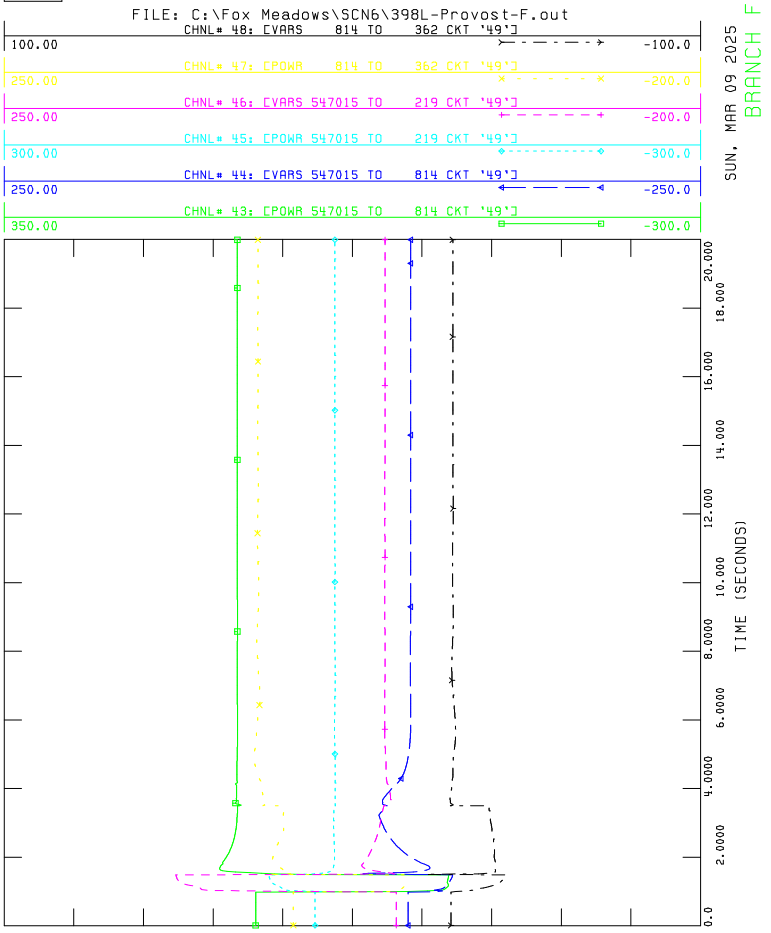
FILE: C:\Fox Meadows\SCN6\398L-Provost-F.out



SUN, MAR 09 2025 6:37 VOLTAGE

AESO ABO FOX MEADOWS-2028 SP
398L-PROVOST-FAR

FILE: C:\Fox Meadows\SCN6\398L-Provost-F.out



SUN, MAR 09 2025 6:37 BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SP
681L-TUCUMAN-NEAR

FILE: C:\Fox Meadows\SCN6\681L-Tucuman-N.out

SUN, MAR 09 2025 6:37

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
5.0000 -3.000
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
5.0000 -3.000

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
681L-TUCUMAN-NEAR

FILE: C:\Fox Meadows\SCN6\681L-Tucuman-N.out

SUN, MAR 09 2025 6:37

ANGLES

CHNL# 5: CPENG13.8J
300.00 -200.0
CHNL# 4: CNOVA GT1J
200.00 -300.0
CHNL# 2: CBAT#4J
200.00 -300.0
CHNL# 1: CSHEER 1J
200.00 -300.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
681L-TUCUMAN-NEAR

FILE: C:\Fox Meadows\SCN6\681L-Tucuman-N.out

SUN, MAR 09 2025 6:37

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
1.5000 0.0
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
1.5000 0.0
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
1.5000 0.0
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
1.5000 0.0
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
1.5000 0.0
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ
1.5000 0.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
681L-TUCUMAN-NEAR

FILE: C:\Fox Meadows\SCN6\681L-Tucuman-N.out

SUN, MAR 09 2025 6:37

BRANCH FLOW

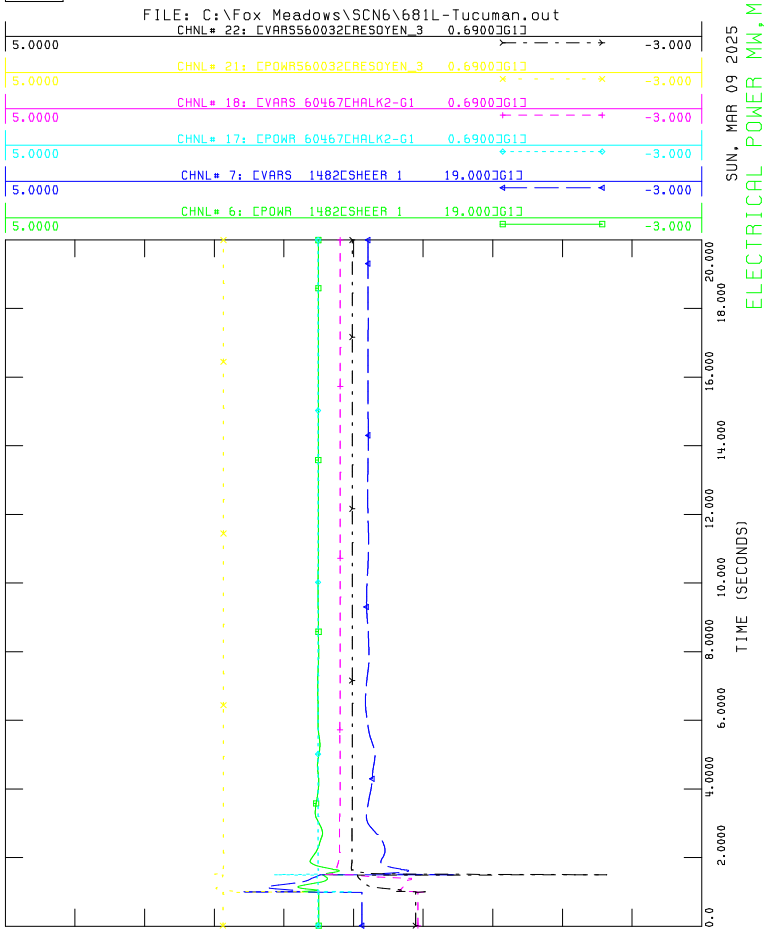
CHNL# 48: CVARS 814 TO 362 CKT '49'J
100.00 -100.0
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
300.00 -300.0
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
350.00 -300.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
681L-TUCUMAN-FAR

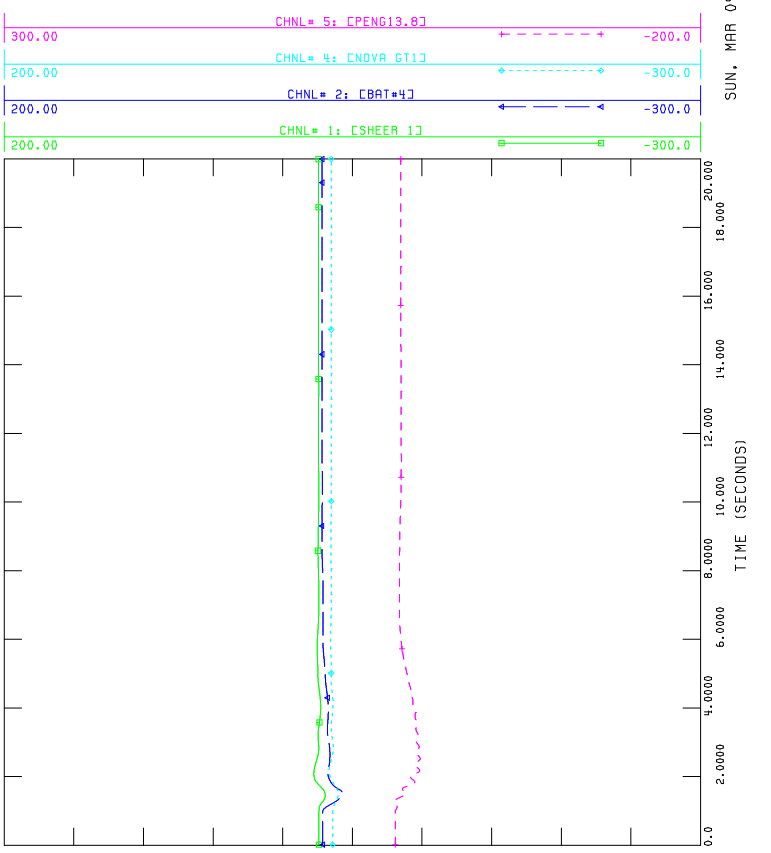
FILE: C:\Fox Meadows\SCN6\681L-Tucuman.out



SUN, MAR 09 2025 6:37
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SP
681L-TUCUMAN-FAR

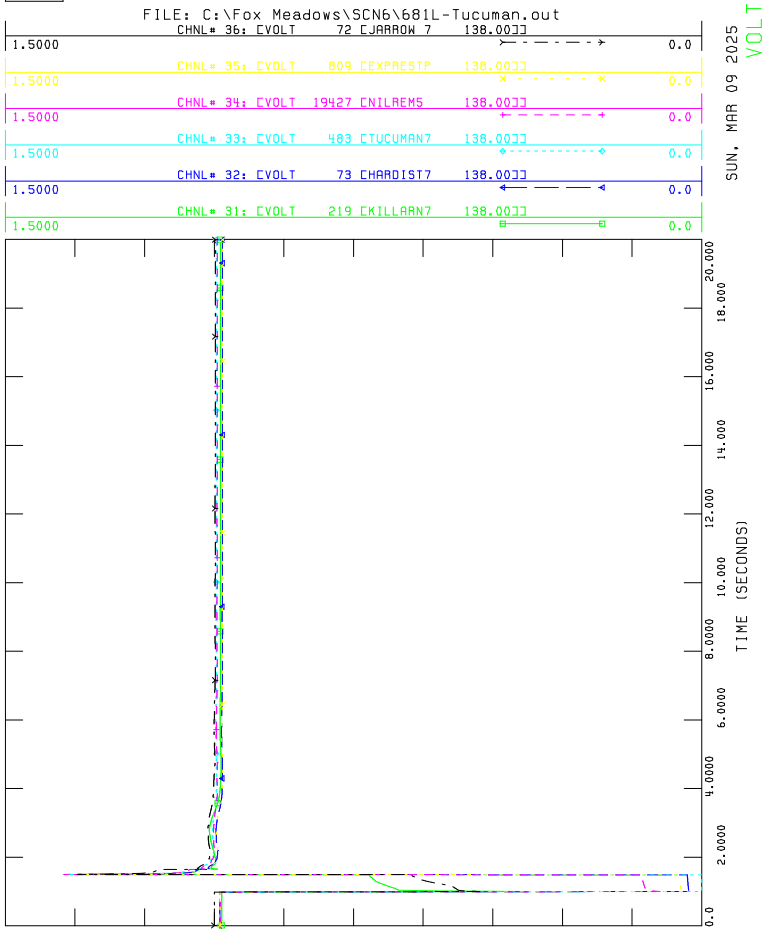
FILE: C:\Fox Meadows\SCN6\681L-Tucuman.out



SUN, MAR 09 2025 6:37
ANGLES

AESO ABO FOX MEADOWS-2028 SP
681L-TUCUMAN-FAR

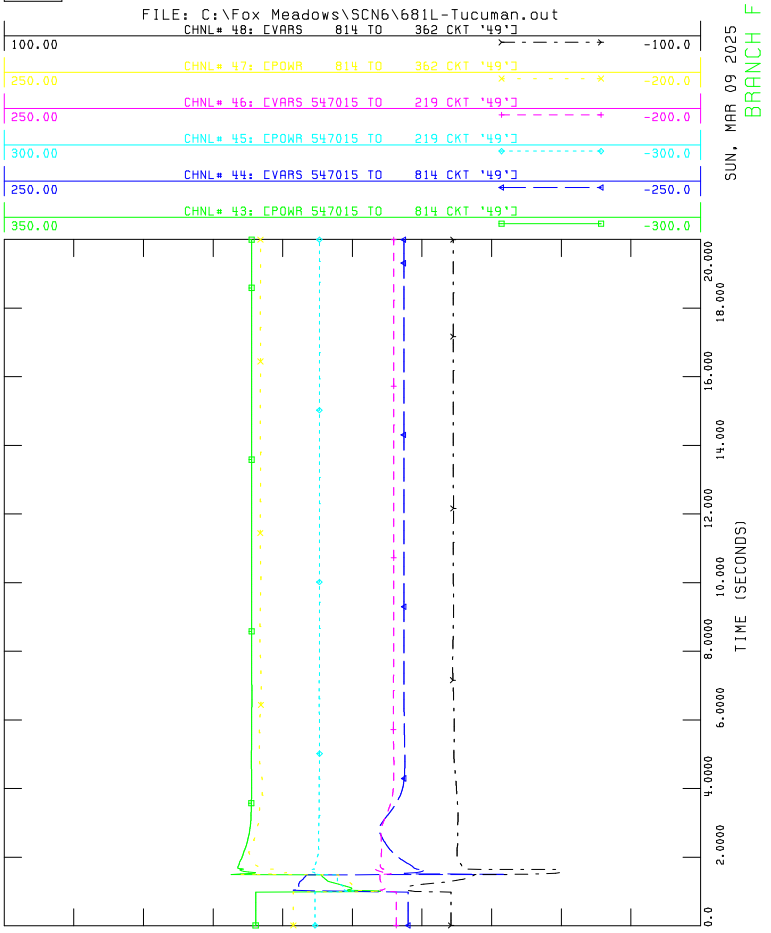
FILE: C:\Fox Meadows\SCN6\681L-Tucuman.out



SUN, MAR 09 2025 6:37
VOLTAGE

AESO ABO FOX MEADOWS-2028 SP
681L-TUCUMAN-FAR

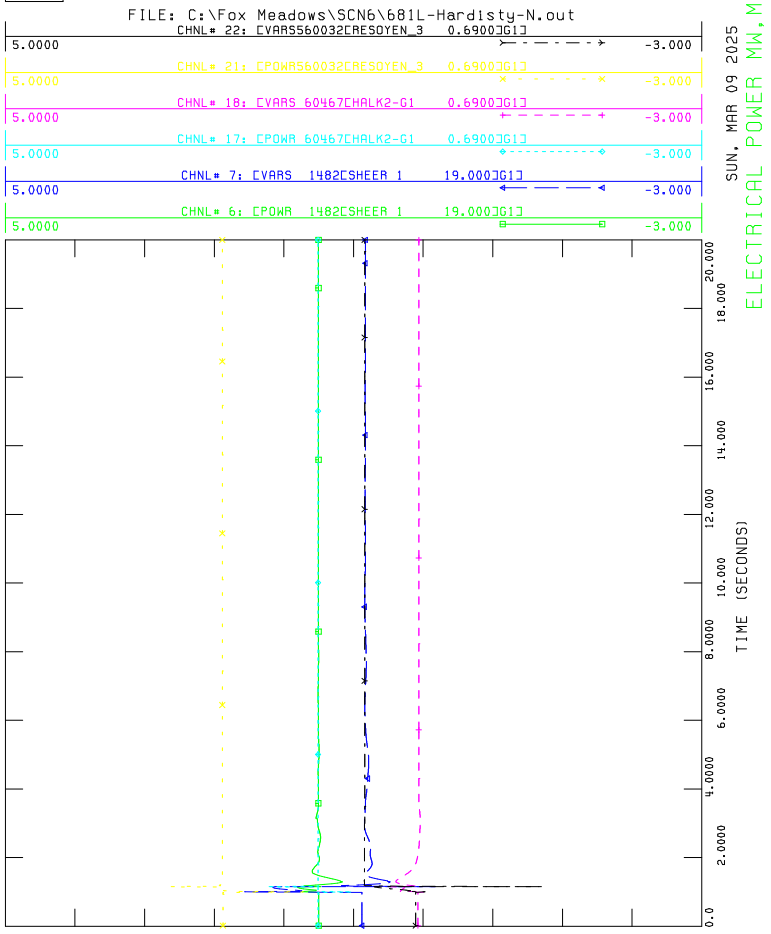
FILE: C:\Fox Meadows\SCN6\681L-Tucuman.out



SUN, MAR 09 2025 6:37
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SP
681L-HARDISTY-NEAR

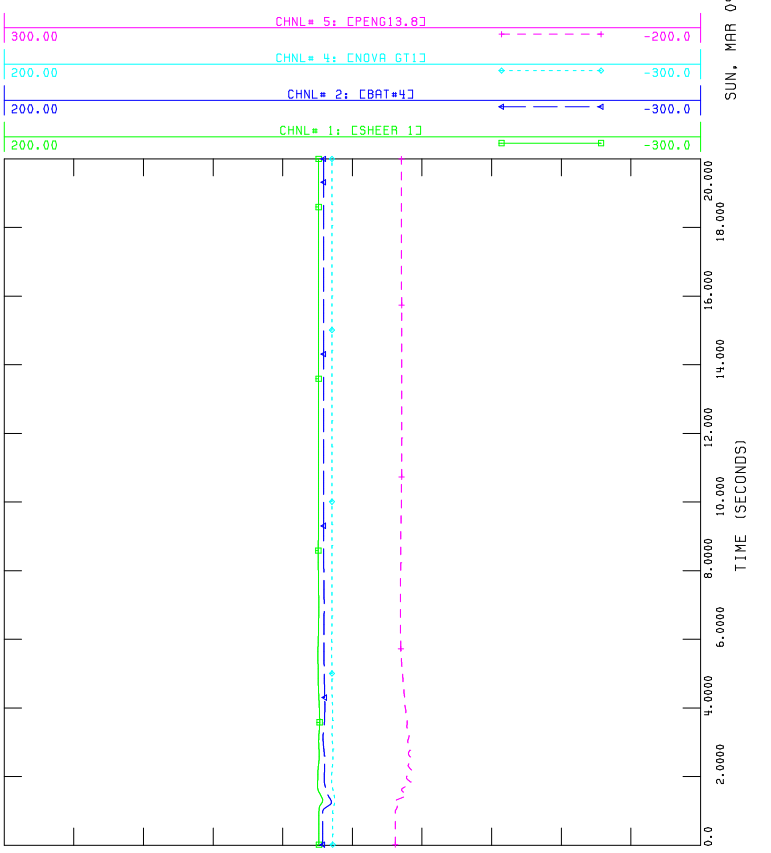
FILE: C:\Fox Meadows\SCN6\681L-Hardisty-N.out



SUN, MAR 09 2025 6:38
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SP
681L-HARDISTY-NEAR

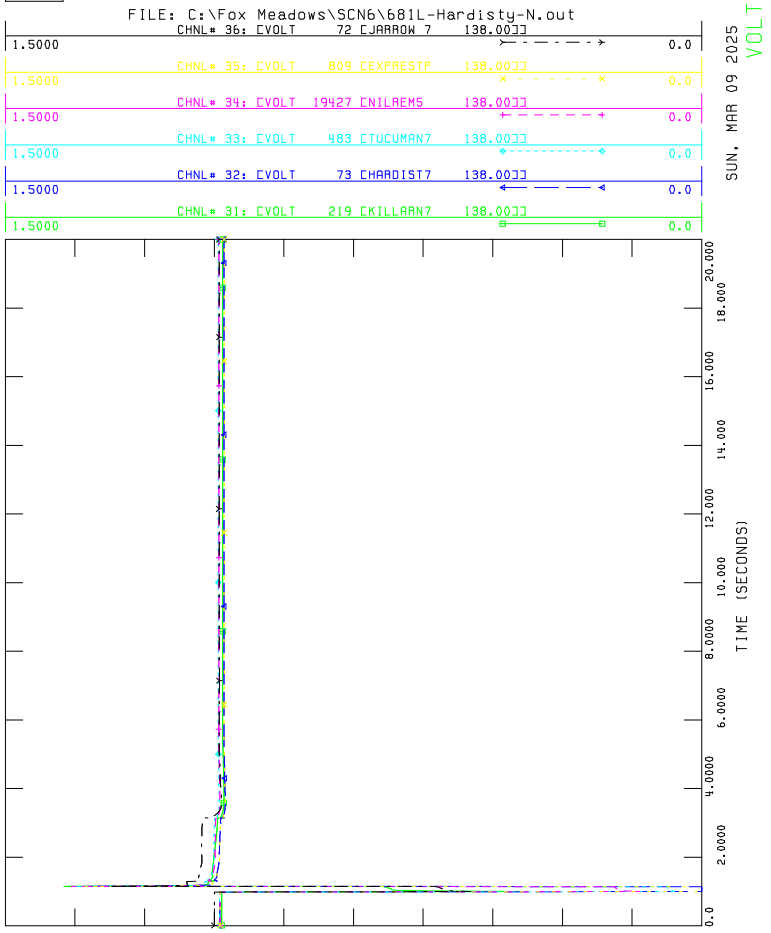
FILE: C:\Fox Meadows\SCN6\681L-Hardisty-N.out



SUN, MAR 09 2025 6:38
ANGLES

AESO ABO FOX MEADOWS-2028 SP
681L-HARDISTY-NEAR

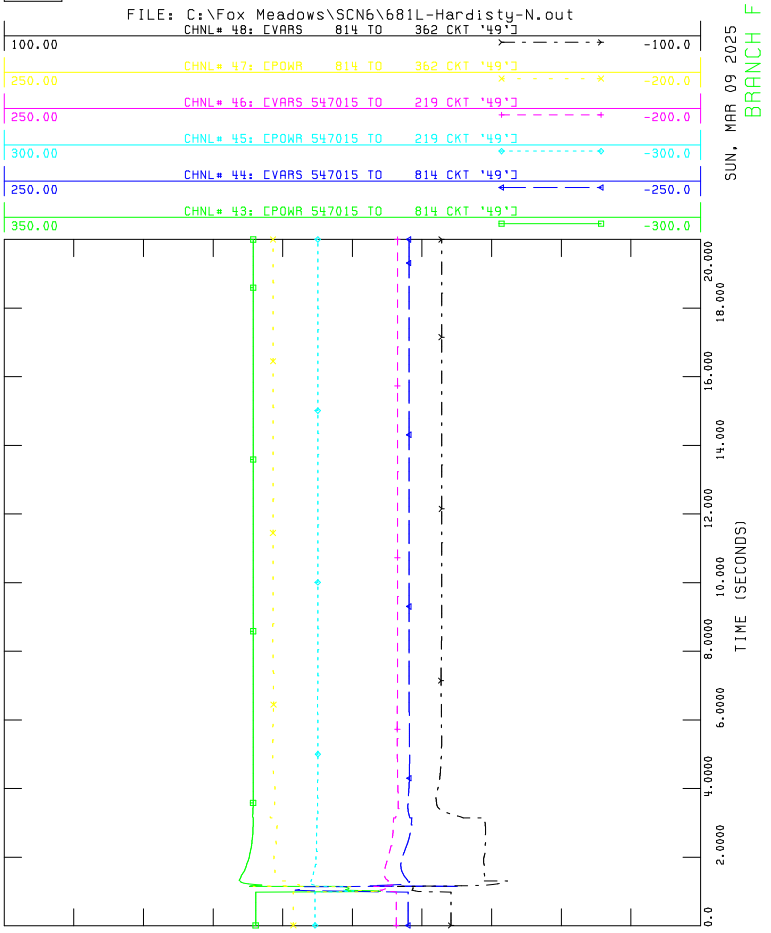
FILE: C:\Fox Meadows\SCN6\681L-Hardisty-N.out



SUN, MAR 09 2025 6:37
VOLTAGE

AESO ABO FOX MEADOWS-2028 SP
681L-HARDISTY-NEAR

FILE: C:\Fox Meadows\SCN6\681L-Hardisty-N.out



SUN, MAR 09 2025 6:38
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SP
681L-HARDISTY-FAR

FILE: C:\Fox Meadows\SCN6\681L-Hardisty-F.out

SUN, MAR 09 2025 6:38

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
5.0000 -3.000
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
5.0000 -3.000

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SP
681L-HARDISTY-FAR

FILE: C:\Fox Meadows\SCN6\681L-Hardisty-F.out

SUN, MAR 09 2025 6:38

ANGLES

CHNL# 5: CPENG13.8J
300.00 -200.0
CHNL# 4: CNOVA GT1J
200.00 -300.0
CHNL# 2: CBAT#4J
200.00 -300.0
CHNL# 1: CSHEER 1J
200.00 -300.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SP
681L-HARDISTY-FAR

FILE: C:\Fox Meadows\SCN6\681L-Hardisty-F.out

SUN, MAR 09 2025 6:38

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
1.5000 0.0
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
1.5000 0.0
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
1.5000 0.0
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
1.5000 0.0
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
1.5000 0.0
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ
1.5000 0.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SP
681L-HARDISTY-FAR

FILE: C:\Fox Meadows\SCN6\681L-Hardisty-F.out

SUN, MAR 09 2025 6:38

BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
100.00 -100.0
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
300.00 -300.0
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
350.00 -300.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SP
769L-HARDISTY-NEAR

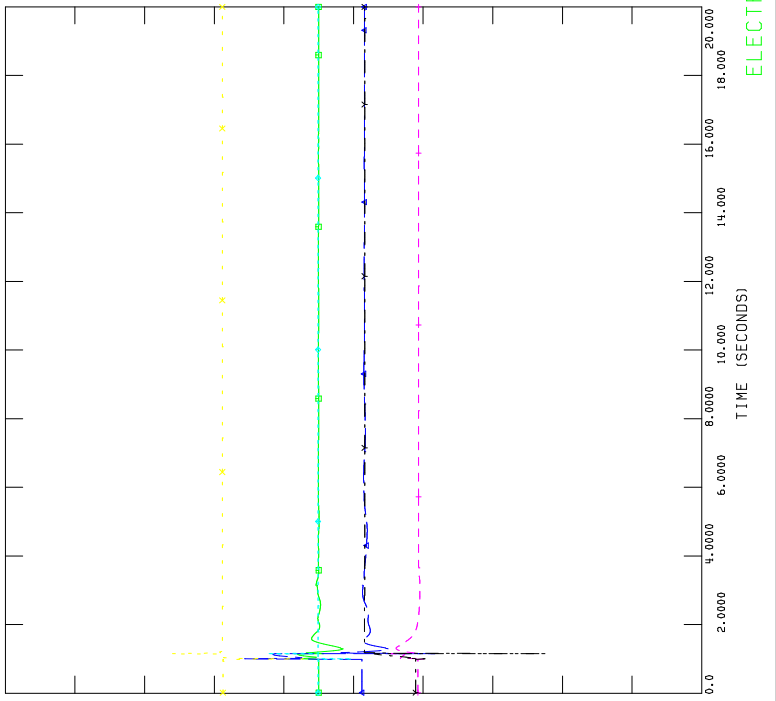
FILE: C:\Fox Meadows\SCN6\769L-Hardisty-N.out

SUN, MAR 09 2025 6:38

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
5.0000 -3.000
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
5.0000 -3.000

TIME (SECONDS)



AESO ABO FOX MEADOWS-2028 SP
769L-HARDISTY-NEAR

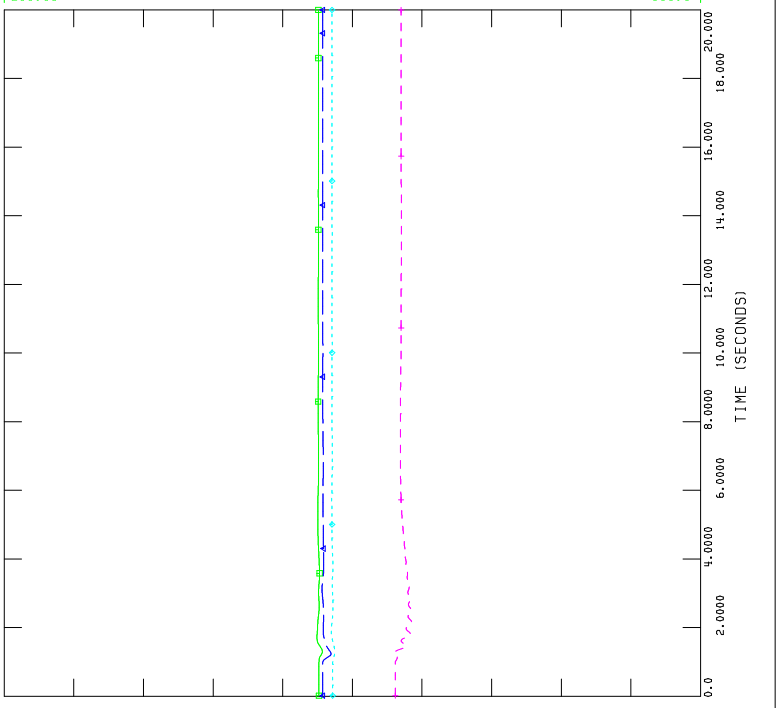
FILE: C:\Fox Meadows\SCN6\769L-Hardisty-N.out

SUN, MAR 09 2025 6:38

ANGLES

CHNL# 5: CPENG13.8J
300.00 -200.0
CHNL# 4: CNOVA GT1J
200.00 -300.0
CHNL# 2: CBAT#4J
200.00 -300.0
CHNL# 1: CSHEER 1J
200.00 -300.0

TIME (SECONDS)



AESO ABO FOX MEADOWS-2028 SP
769L-HARDISTY-NEAR

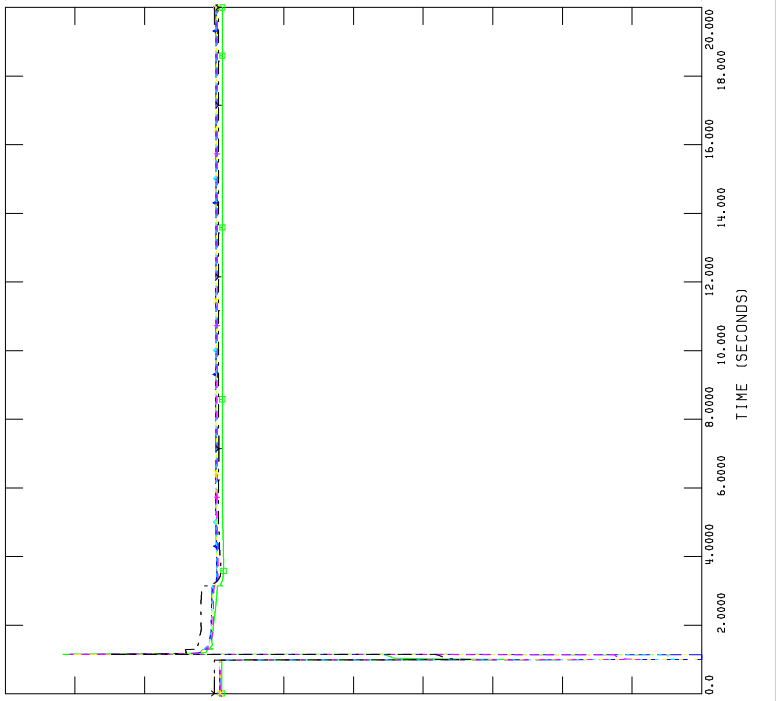
FILE: C:\Fox Meadows\SCN6\769L-Hardisty-N.out

SUN, MAR 09 2025 6:38

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
1.5000 0.0
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
1.5000 0.0
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
1.5000 0.0
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
1.5000 0.0
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
1.5000 0.0
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ
1.5000 0.0

TIME (SECONDS)



AESO ABO FOX MEADOWS-2028 SP
769L-HARDISTY-NEAR

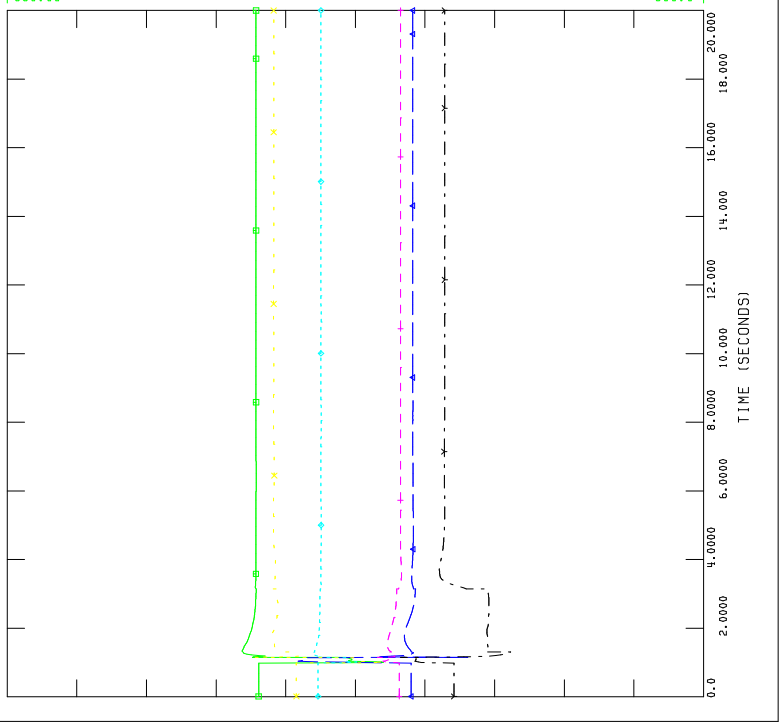
FILE: C:\Fox Meadows\SCN6\769L-Hardisty-N.out

SUN, MAR 09 2025 6:38

BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
100.00 -100.0
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
300.00 -300.0
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
350.00 -300.0

TIME (SECONDS)

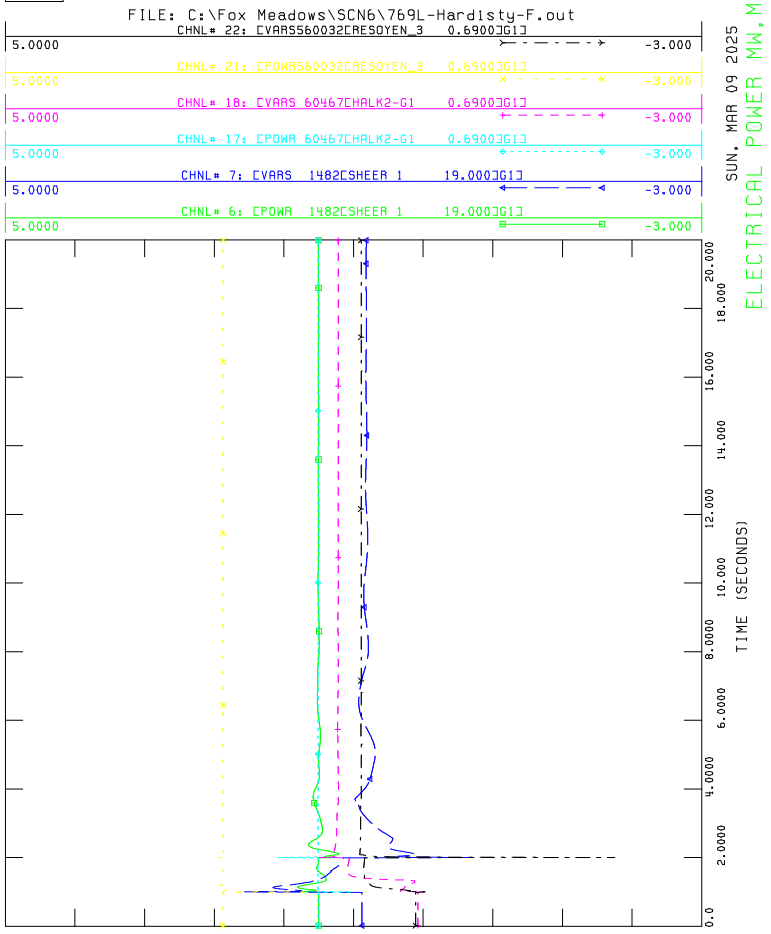


AESO ABO FOX MEADOWS-2028 SP
769L-HARDISTY-FAR

FILE: C:\Fox Meadows\SCN6\769L-Hardisty-F.out

SUN, MAR 09 2025 6:38

ELECTRICAL POWER MW, MVAR

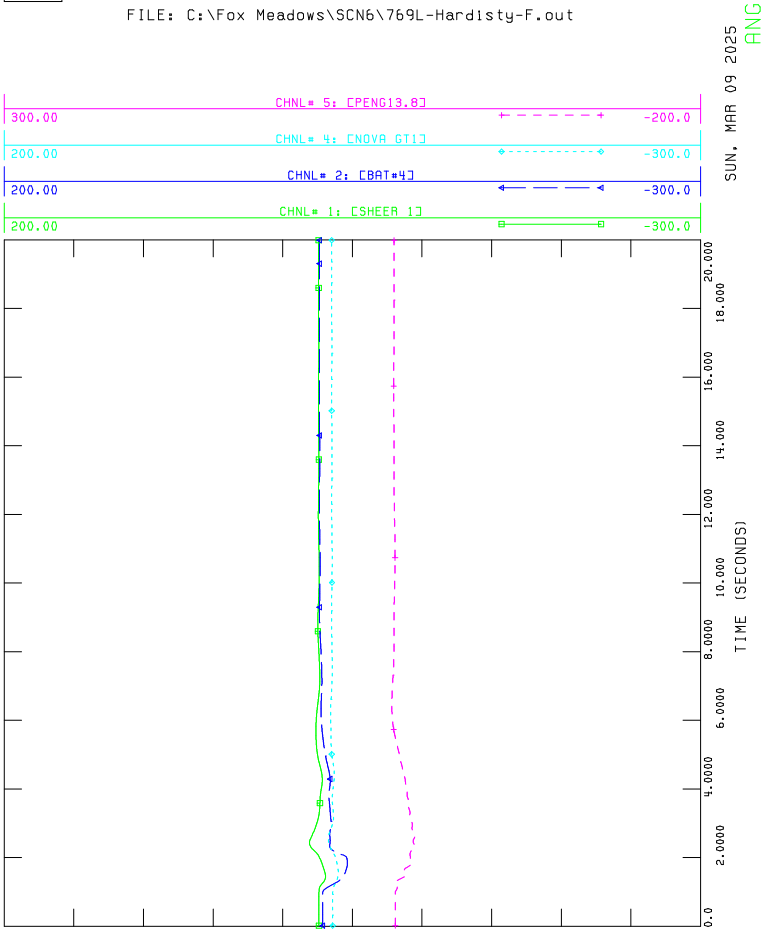


AESO ABO FOX MEADOWS-2028 SP
769L-HARDISTY-FAR

FILE: C:\Fox Meadows\SCN6\769L-Hardisty-F.out

SUN, MAR 09 2025 6:38

ANGLES

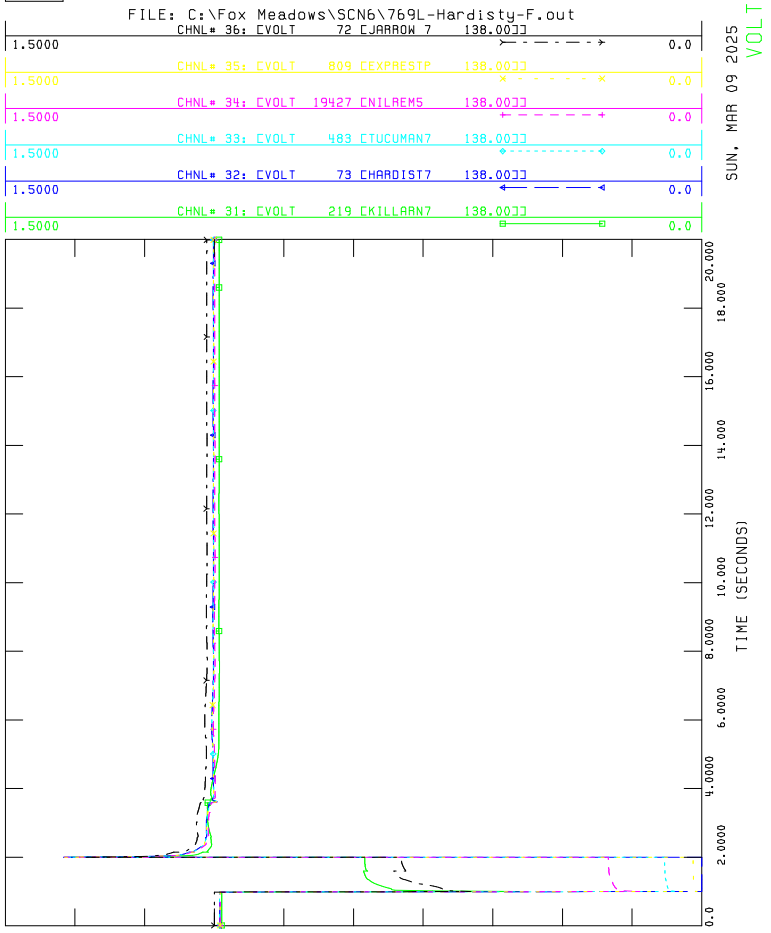


AESO ABO FOX MEADOWS-2028 SP
769L-HARDISTY-FAR

FILE: C:\Fox Meadows\SCN6\769L-Hardisty-F.out

SUN, MAR 09 2025 6:38

VOLTAGE

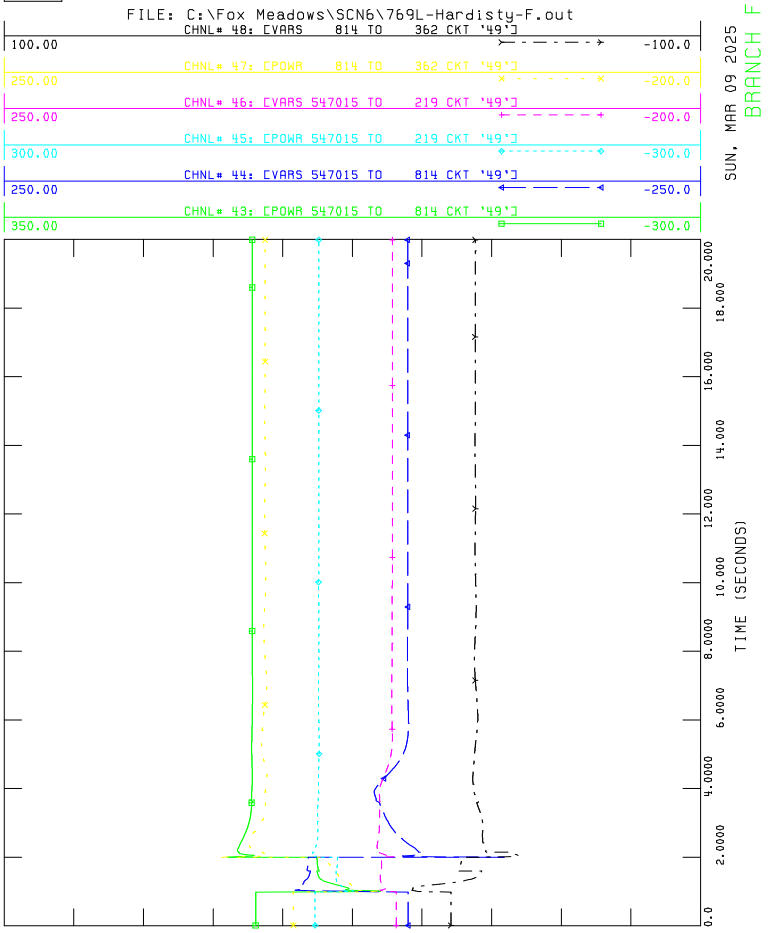


AESO ABO FOX MEADOWS-2028 SP
769L-HARDISTY-FAR

FILE: C:\Fox Meadows\SCN6\769L-Hardisty-F.out

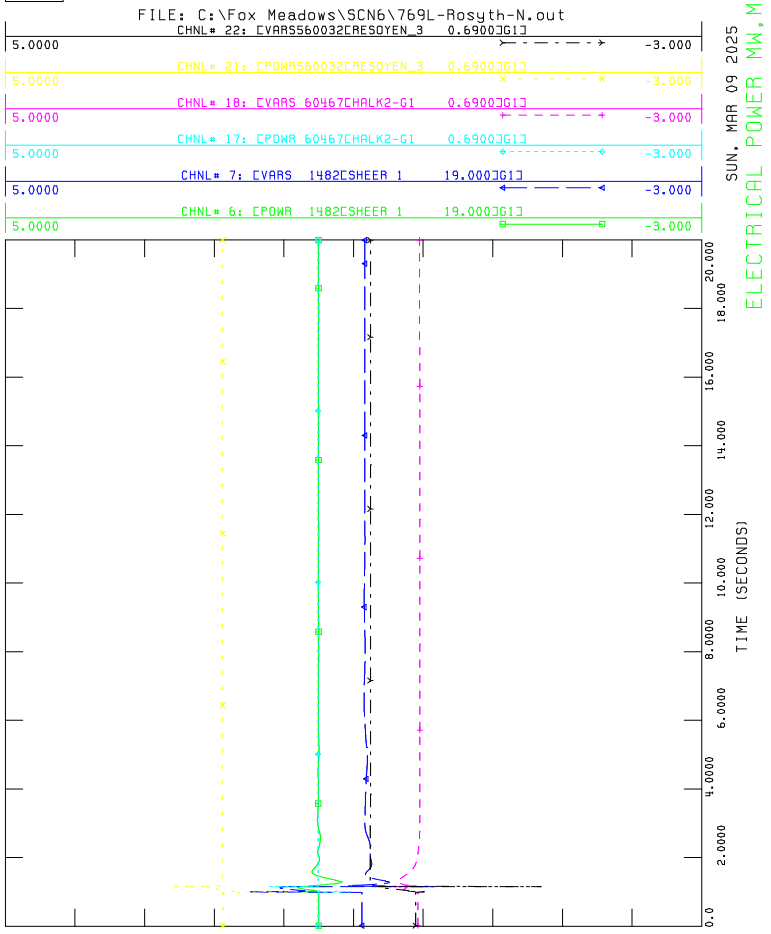
SUN, MAR 09 2025 6:38

BRANCH FLOW



AESO ABO FOX MEADOWS-2028 SP
769L-ROSYTH-NEAR

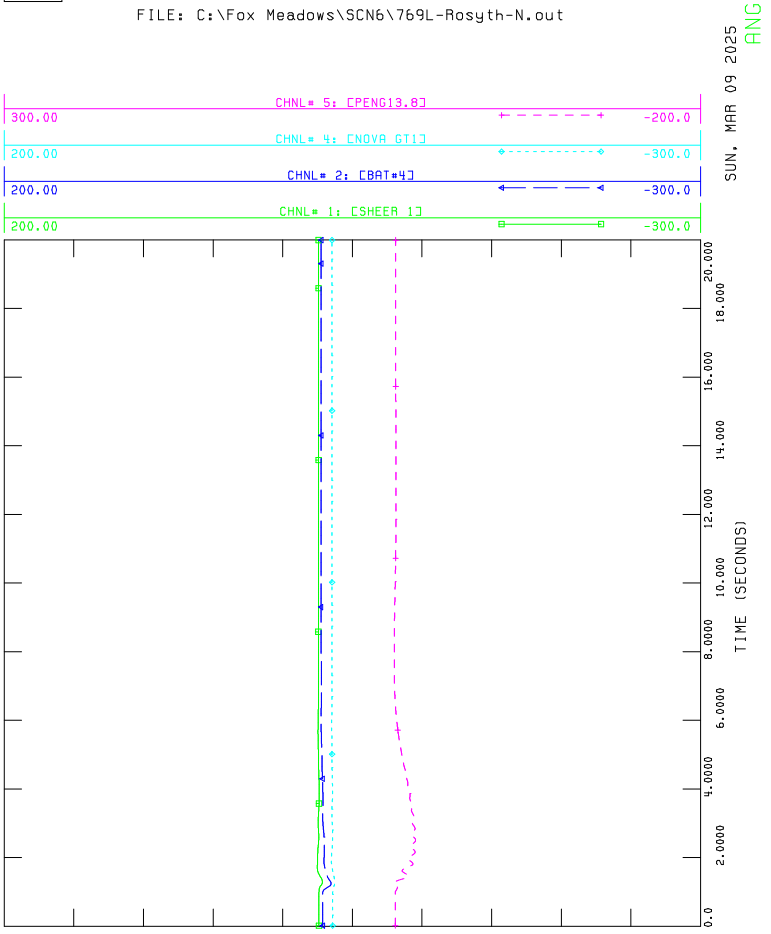
FILE: C:\Fox Meadows\SCN6\769L-Rosyth-N.out



SUN, MAR 09 2025 6:38
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SP
769L-ROSYTH-NEAR

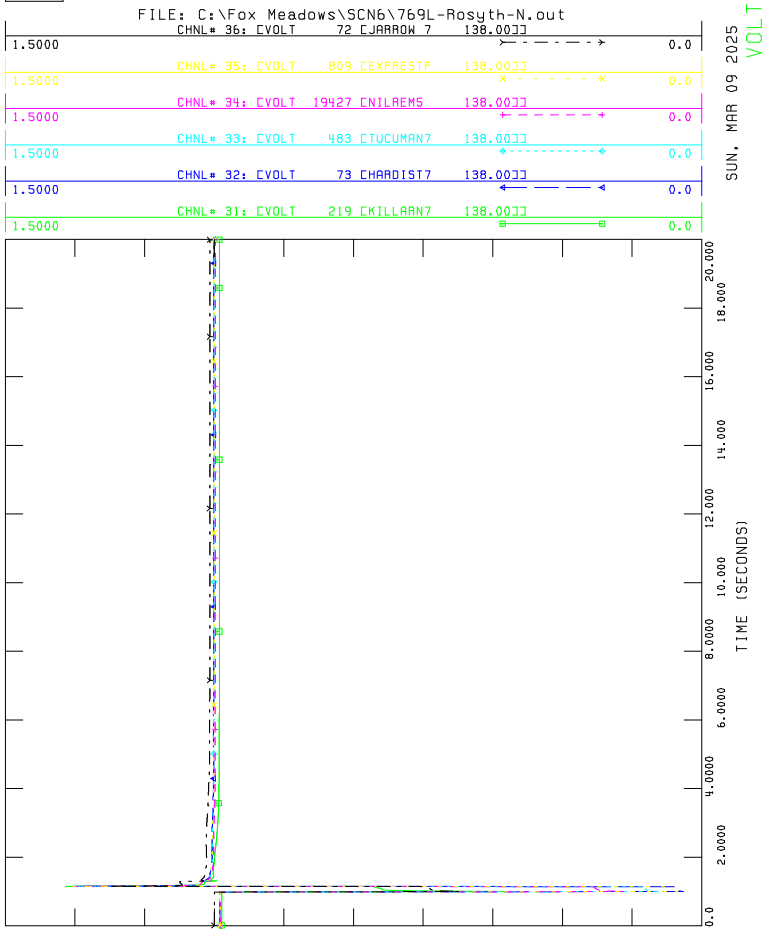
FILE: C:\Fox Meadows\SCN6\769L-Rosyth-N.out



SUN, MAR 09 2025 6:38
ANGLES

AESO ABO FOX MEADOWS-2028 SP
769L-ROSYTH-NEAR

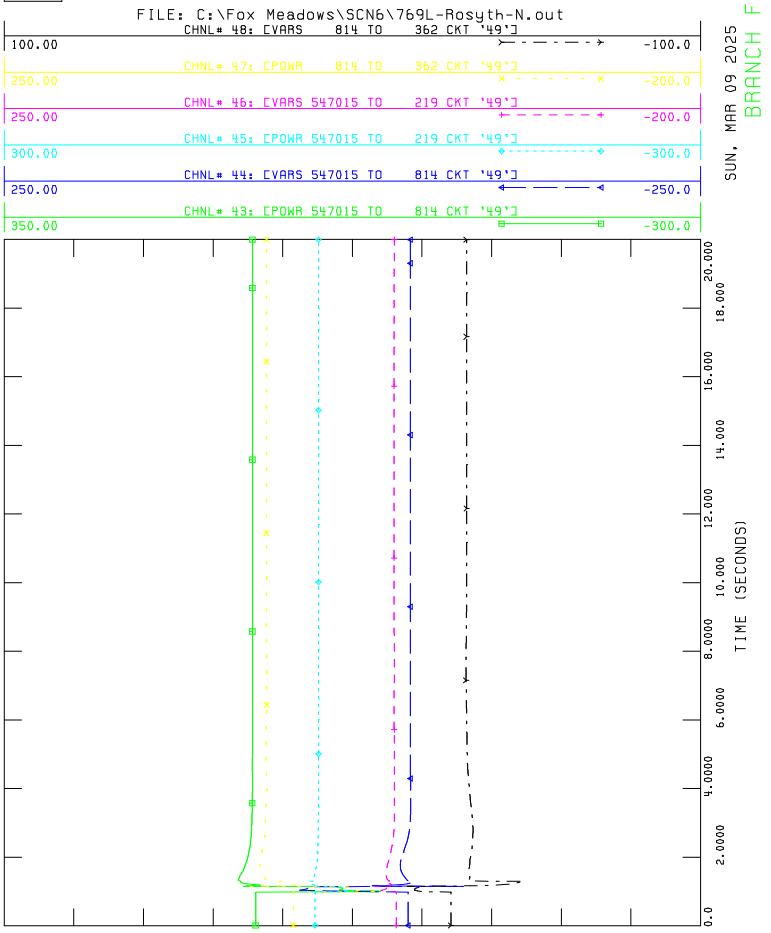
FILE: C:\Fox Meadows\SCN6\769L-Rosyth-N.out



SUN, MAR 09 2025 6:38
VOLTAGE

AESO ABO FOX MEADOWS-2028 SP
769L-ROSYTH-NEAR

FILE: C:\Fox Meadows\SCN6\769L-Rosyth-N.out



SUN, MAR 09 2025 6:38
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SP
769L-ROSYTH-FAR

FILE: C:\Fox Meadows\SCN6\769L-Rosyth-F.out

SUN, MAR 09 2025 6:38

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J

5.0000 / -3.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SP
769L-ROSYTH-FAR

FILE: C:\Fox Meadows\SCN6\769L-Rosyth-F.out

SUN, MAR 09 2025 6:38

ANGLES

CHNL# 5: CPENG13,8J
CHNL# 4: CNOVA GT1J
CHNL# 2: CBAT#4J
CHNL# 1: CSHEER 1J

300.00 / -200.0
200.00 / -300.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SP
769L-ROSYTH-FAR

FILE: C:\Fox Meadows\SCN6\769L-Rosyth-F.out

SUN, MAR 09 2025 6:38

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ

1.5000 / 0.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SP
769L-ROSYTH-FAR

FILE: C:\Fox Meadows\SCN6\769L-Rosyth-F.out

SUN, MAR 09 2025 6:38

BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J

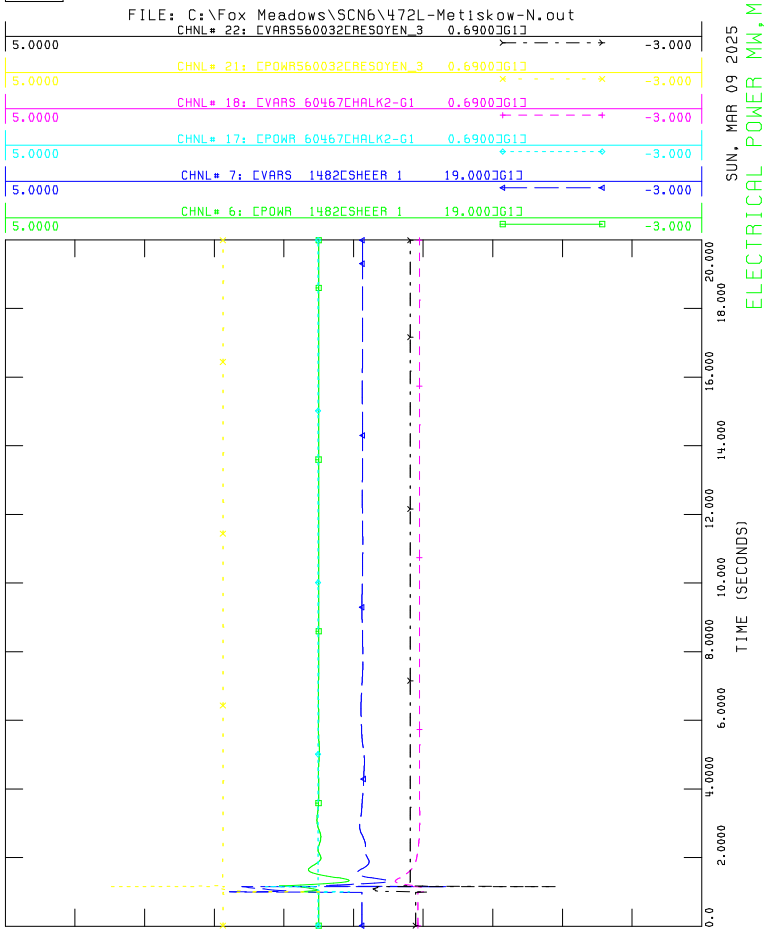
100.00 / -100.0
250.00 / -200.0
250.00 / -200.0
300.00 / -300.0
250.00 / -250.0
350.00 / -300.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SP
472L-METISKOW-NEAR

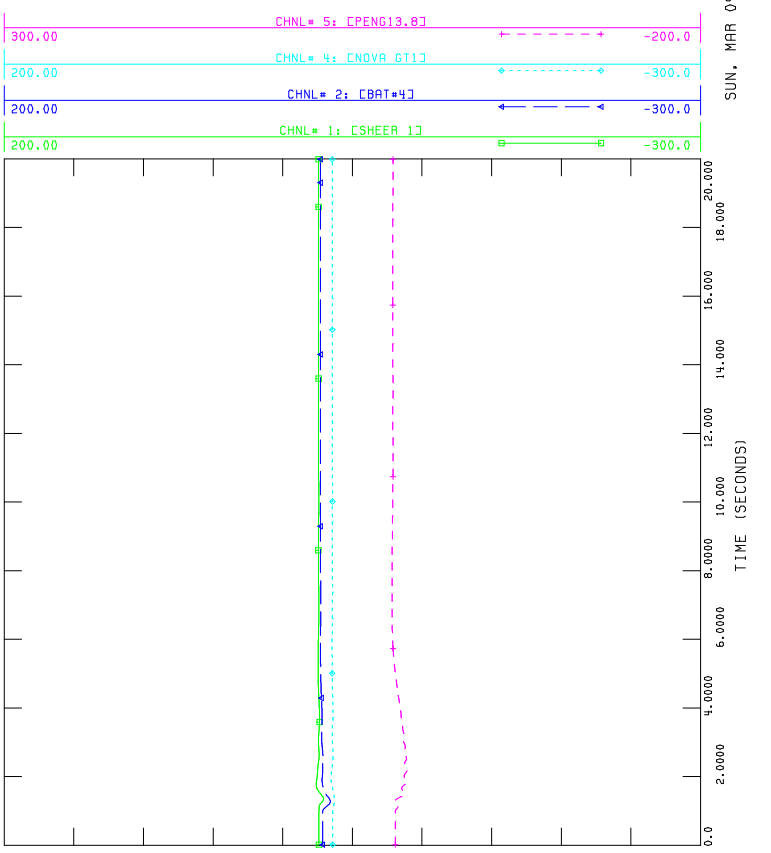
FILE: C:\Fox Meadows\SCN6\472L-Metiskow-N.out



SUN, MAR 09 2025 6:38
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SP
472L-METISKOW-NEAR

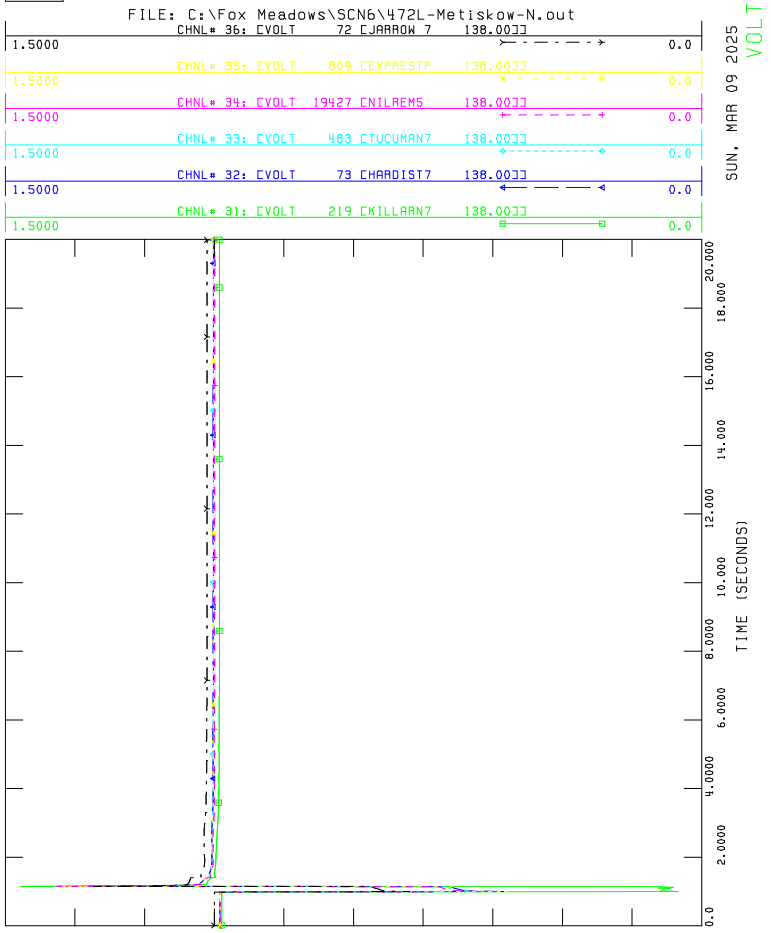
FILE: C:\Fox Meadows\SCN6\472L-Metiskow-N.out



SUN, MAR 09 2025 6:38
ANGLES

AESO ABO FOX MEADOWS-2028 SP
472L-METISKOW-NEAR

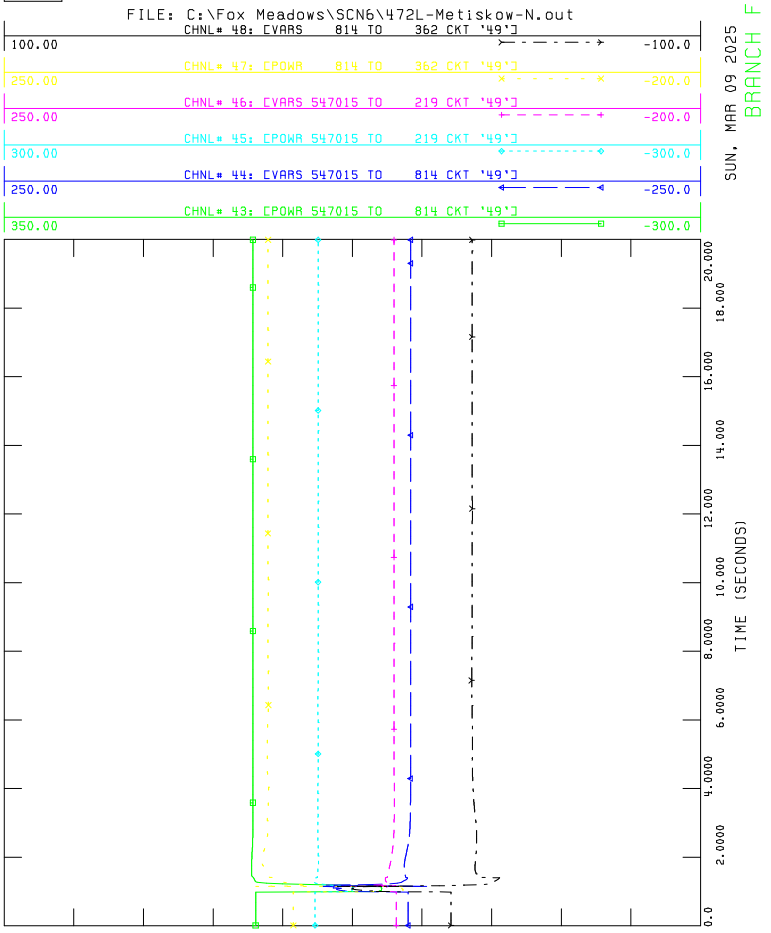
FILE: C:\Fox Meadows\SCN6\472L-Metiskow-N.out



SUN, MAR 09 2025 6:38
VOLTAGE

AESO ABO FOX MEADOWS-2028 SP
472L-METISKOW-NEAR

FILE: C:\Fox Meadows\SCN6\472L-Metiskow-N.out



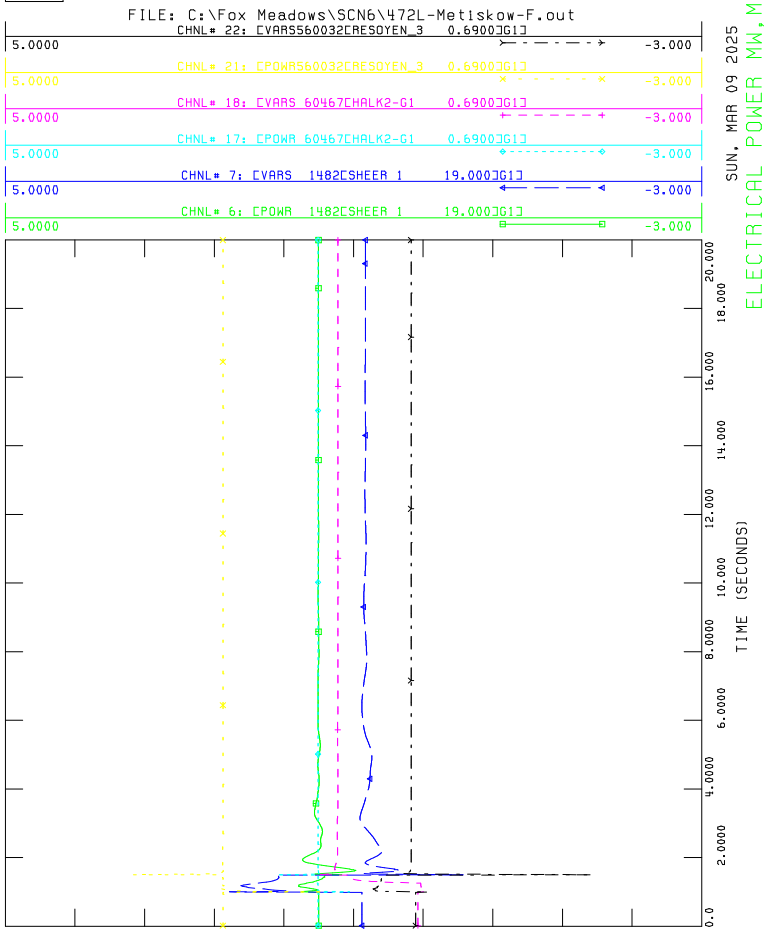
SUN, MAR 09 2025 6:38
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SP
472L-METISKOW-FAR

FILE: C:\Fox Meadows\SCN6\472L-Metiskow-F.out

SUN, MAR 09 2025 6:38

ELECTRICAL POWER MW, MVAR

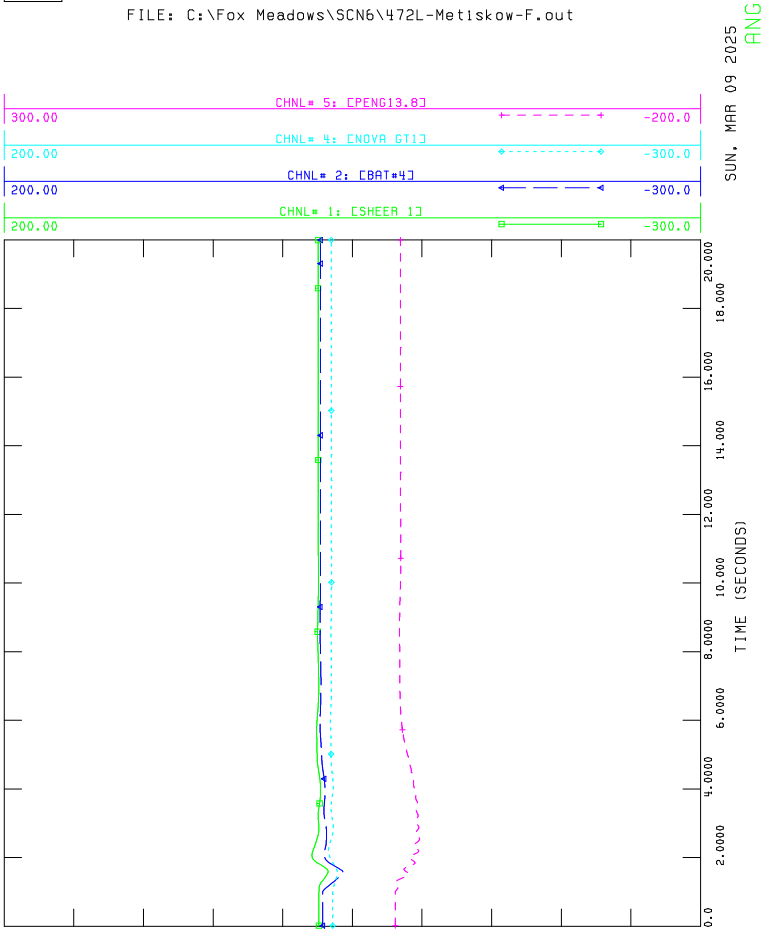


AESO ABO FOX MEADOWS-2028 SP
472L-METISKOW-FAR

FILE: C:\Fox Meadows\SCN6\472L-Metiskow-F.out

SUN, MAR 09 2025 6:38

ANGLES

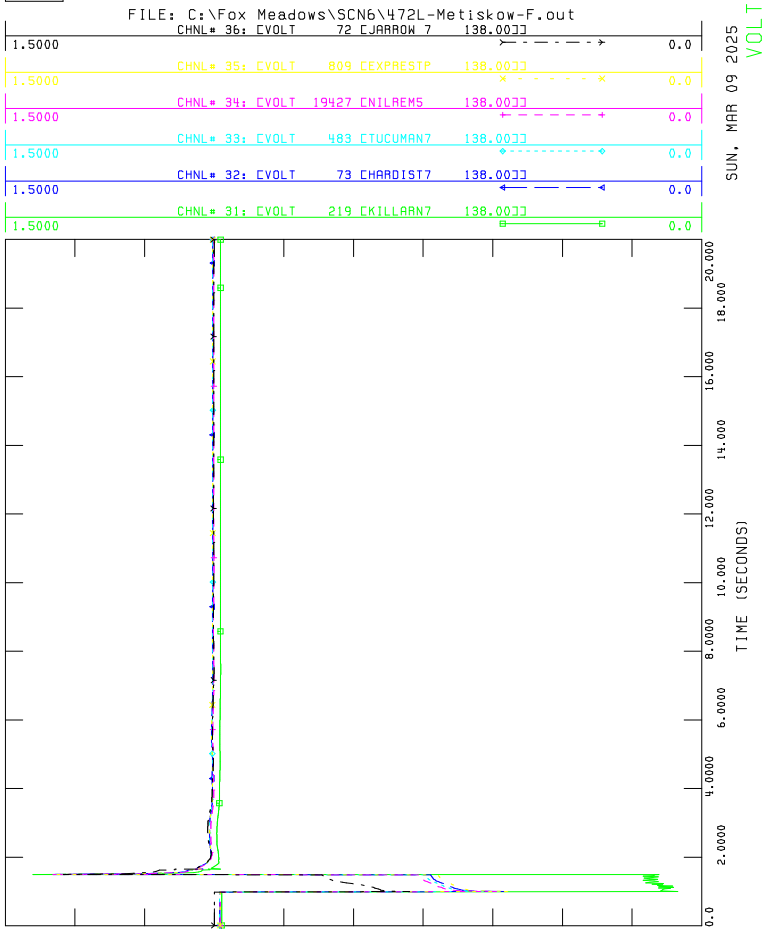


AESO ABO FOX MEADOWS-2028 SP
472L-METISKOW-FAR

FILE: C:\Fox Meadows\SCN6\472L-Metiskow-F.out

SUN, MAR 09 2025 6:38

VOLTAGE

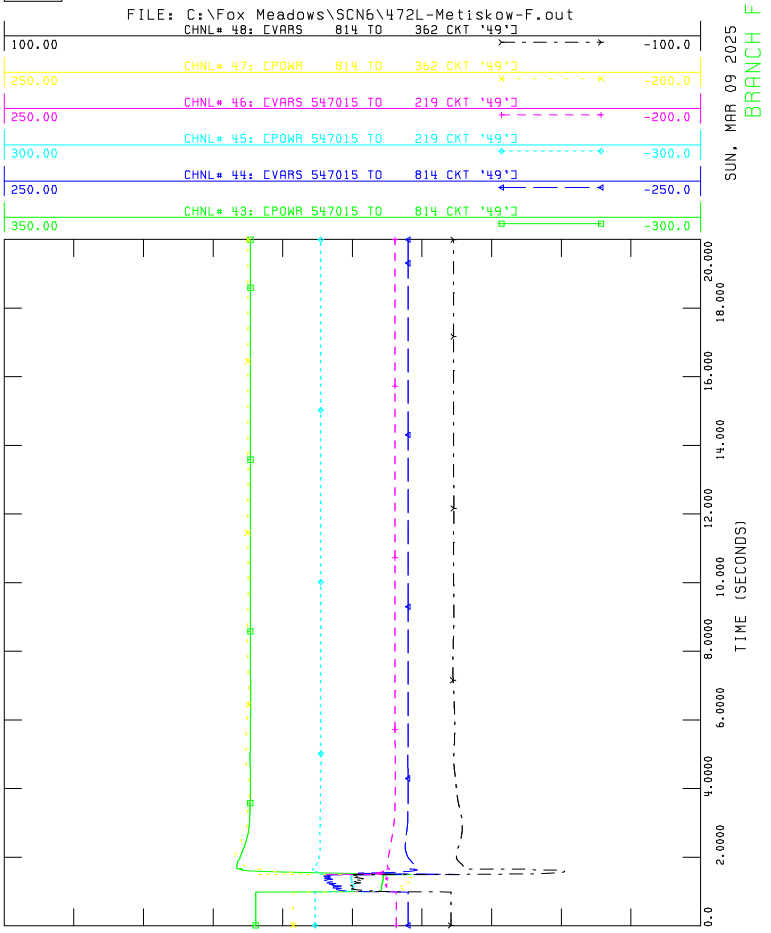


AESO ABO FOX MEADOWS-2028 SP
472L-METISKOW-FAR

FILE: C:\Fox Meadows\SCN6\472L-Metiskow-F.out

SUN, MAR 09 2025 6:38

BRANCH FLOW



AESO ABO FOX MEADOWS-2028 SP
472L-HUGHENDED-NEAR

FILE: C:\Fox Meadows\SCN6\472L-Hughenden-N.out

SUN, MAR 09 2025 6:38

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J

5.0000 -3.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SP
472L-HUGHENDED-NEAR

FILE: C:\Fox Meadows\SCN6\472L-Hughenden-N.out

SUN, MAR 09 2025 6:38

ANGLES

CHNL# 5: CPENG13,8J
CHNL# 4: CNOVA GT1J
CHNL# 2: CBAT#4J
CHNL# 1: CSHEER 1J

300.00 -200.0
200.00 -300.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SP
472L-HUGHENDED-NEAR

FILE: C:\Fox Meadows\SCN6\472L-Hughenden-N.out

SUN, MAR 09 2025 6:38

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
CHNL# 34: CVOLT 19427 CNILAEMS 138.00JJ
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ

1.5000 0.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SP
472L-HUGHENDED-NEAR

FILE: C:\Fox Meadows\SCN6\472L-Hughenden-N.out

SUN, MAR 09 2025 6:38

BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J

100.00 -100.0
250.00 -200.0
300.00 -250.0
350.00 -300.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SP
472L-HUGHENDED-FAR

FILE: C:\Fox Meadows\SCN6\472L-Hughenden-F.out

SUN, MAR 09 2025 6:39

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
5.0000 -3.000
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
5.0000 -3.000

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
472L-HUGHENDED-FAR

FILE: C:\Fox Meadows\SCN6\472L-Hughenden-F.out

SUN, MAR 09 2025 6:39

ANGLES

CHNL# 5: CPENG13.8J
300.00 -200.0
CHNL# 4: CNOVA GT1J
200.00 -300.0
CHNL# 2: CBAT#4J
200.00 -300.0
CHNL# 1: CSHEER 1J
200.00 -300.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
472L-HUGHENDED-FAR

FILE: C:\Fox Meadows\SCN6\472L-Hughenden-F.out

SUN, MAR 09 2025 6:39

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
1.5000 0.0
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
1.5000 0.0
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
1.5000 0.0
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
1.5000 0.0
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
1.5000 0.0
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ
1.5000 0.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
472L-HUGHENDED-FAR

FILE: C:\Fox Meadows\SCN6\472L-Hughenden-F.out

SUN, MAR 09 2025 6:39

BRANCH FLOW

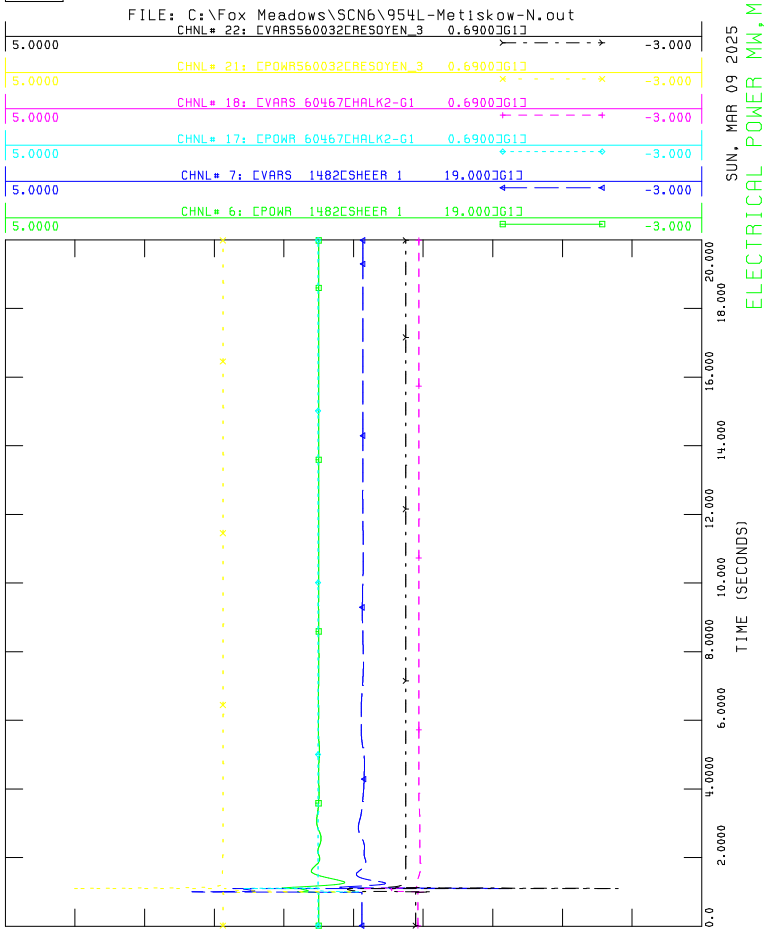
CHNL# 48: CVARS 814 TO 362 CKT '49'J
100.00 -100.0
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
300.00 -300.0
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
350.00 -300.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
954L-METISKOW-NEAR

FILE: C:\Fox Meadows\SCN6\954L-Metiskow-N.out

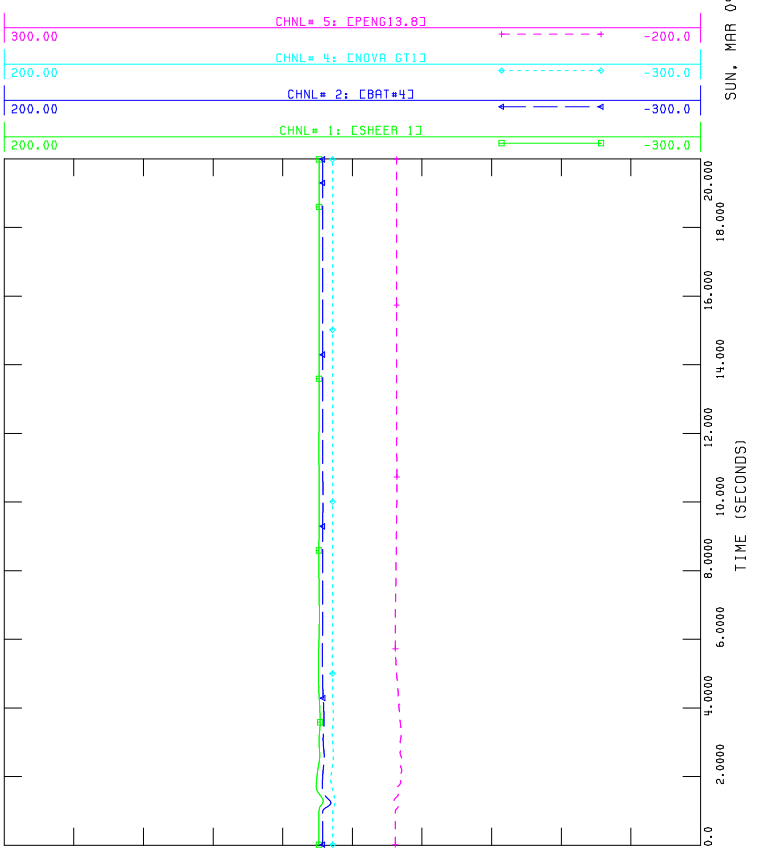


SUN, MAR 09 2025 6:39

ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SP
954L-METISKOW-NEAR

FILE: C:\Fox Meadows\SCN6\954L-Metiskow-N.out

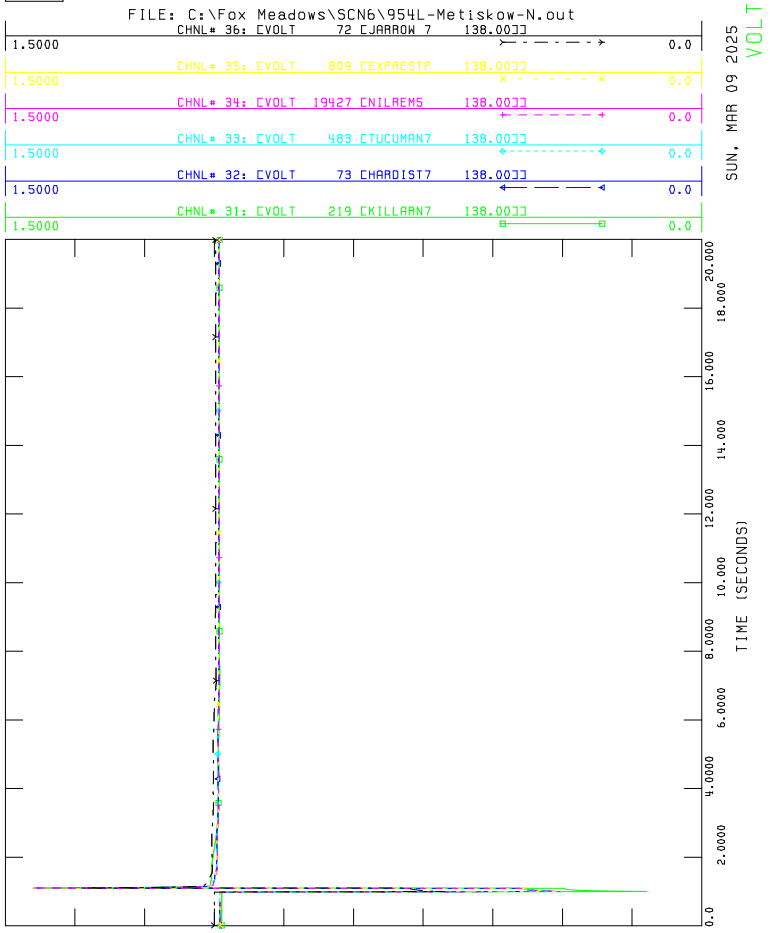


SUN, MAR 09 2025 6:39

ANGLES

AESO ABO FOX MEADOWS-2028 SP
954L-METISKOW-NEAR

FILE: C:\Fox Meadows\SCN6\954L-Metiskow-N.out

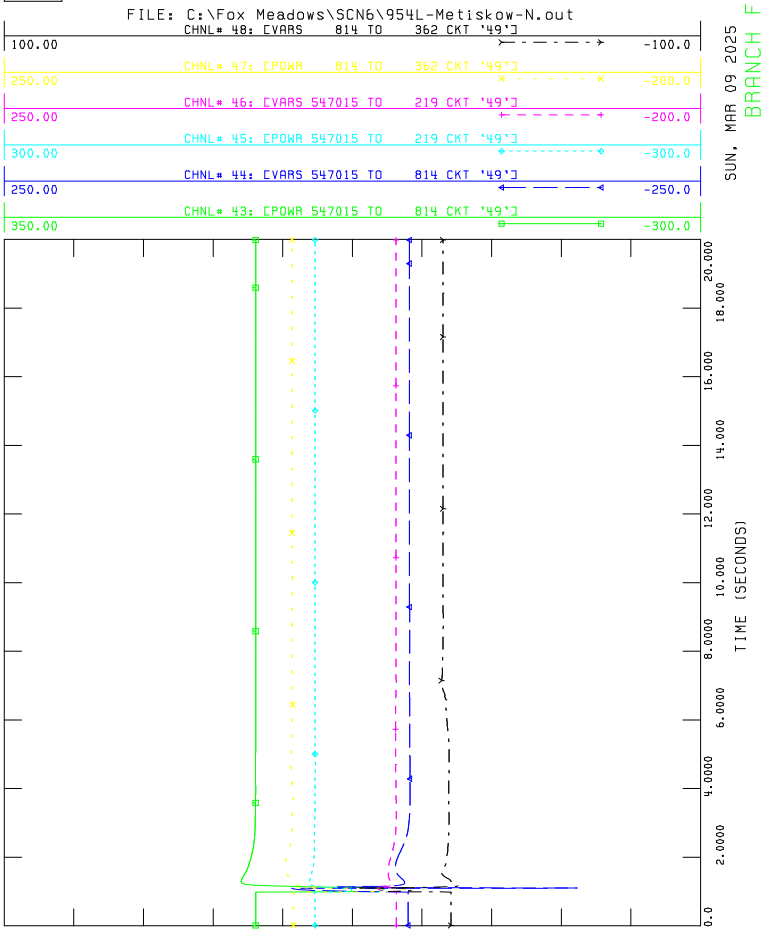


SUN, MAR 09 2025 6:39

VOLTAGE

AESO ABO FOX MEADOWS-2028 SP
954L-METISKOW-NEAR

FILE: C:\Fox Meadows\SCN6\954L-Metiskow-N.out



SUN, MAR 09 2025 6:39

BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SP
954L-HANSMAN-NEAR

FILE: C:\Fox Meadows\SCN6\954L-HansmanLake-N.out

SUN, MAR 09 2025 6:39

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000

CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000

CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000

CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000

CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
5.0000 -3.000

CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
5.0000 -3.000

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
954L-HANSMAN-NEAR

FILE: C:\Fox Meadows\SCN6\954L-HansmanLake-N.out

SUN, MAR 09 2025 6:39

ANGLES

CHNL# 5: CPENG13.8J
300.00 -200.0

CHNL# 4: CNOVA GT1J
200.00 -300.0

CHNL# 2: CBAT#4J
200.00 -300.0

CHNL# 1: CSHEER 1J
200.00 -300.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
954L-HANSMAN-NEAR

FILE: C:\Fox Meadows\SCN6\954L-HansmanLake-N.out

SUN, MAR 09 2025 6:39

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
1.5000 0.0

CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
1.5000 0.0

CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
1.5000 0.0

CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
1.5000 0.0

CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
1.5000 0.0

CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ
1.5000 0.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
954L-HANSMAN-NEAR

FILE: C:\Fox Meadows\SCN6\954L-HansmanLake-N.out

SUN, MAR 09 2025 6:39

BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
100.00 -100.0

CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0

CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0

CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
300.00 -300.0

CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0

CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
350.00 -300.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

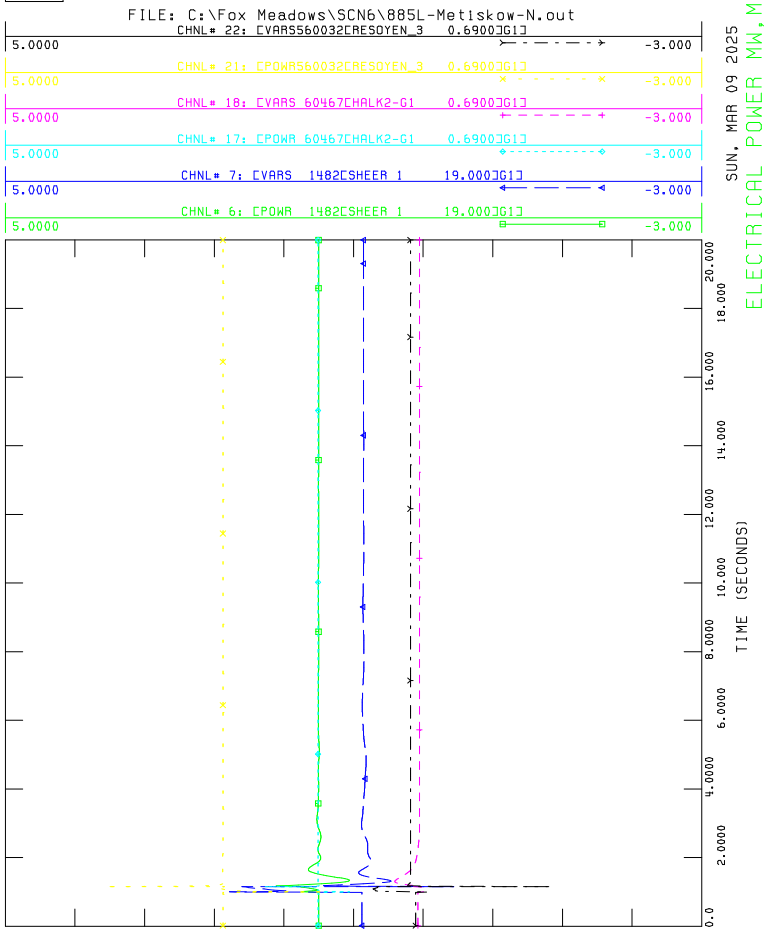
TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
885L-METISKOW-NEAR

FILE: C:\Fox Meadows\SCN6\885L-Metiskow-N.out

SUN, MAR 09 2025 6:39

ELECTRICAL POWER MW, MVAR

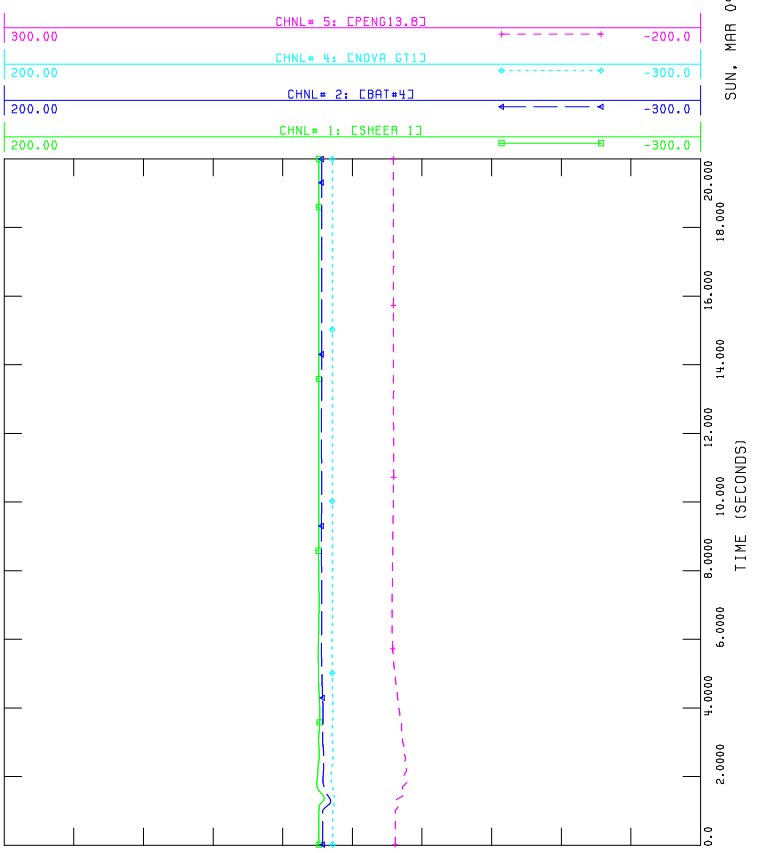


AESO ABO FOX MEADOWS-2028 SP
885L-METISKOW-NEAR

FILE: C:\Fox Meadows\SCN6\885L-Metiskow-N.out

SUN, MAR 09 2025 6:39

ANGLES

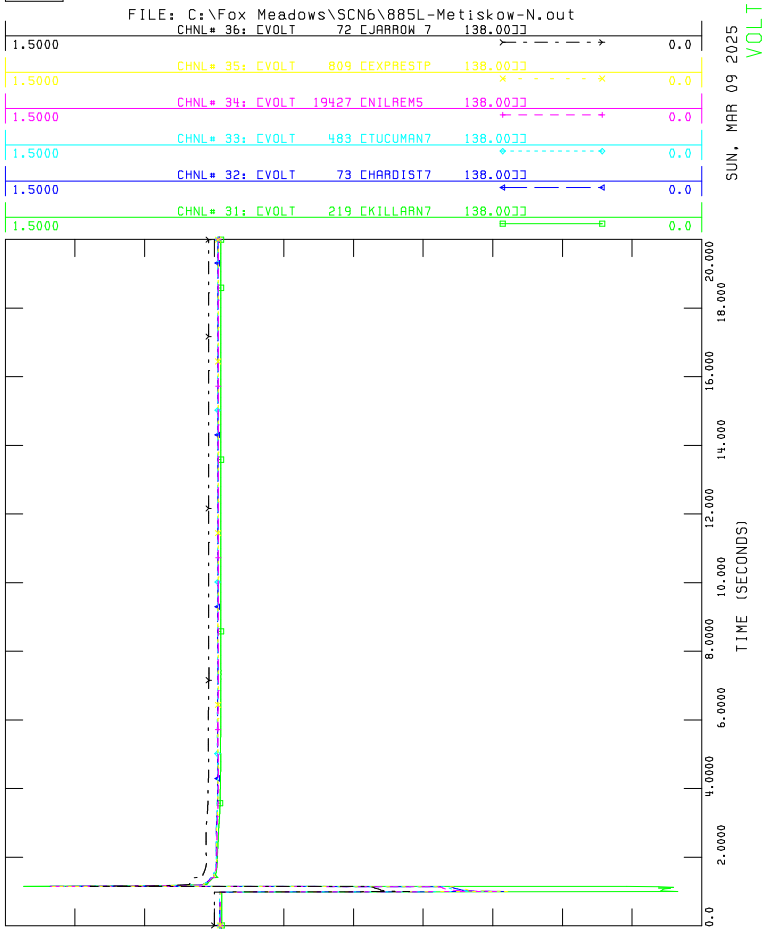


AESO ABO FOX MEADOWS-2028 SP
885L-METISKOW-NEAR

FILE: C:\Fox Meadows\SCN6\885L-Metiskow-N.out

SUN, MAR 09 2025 6:39

VOLTAGE

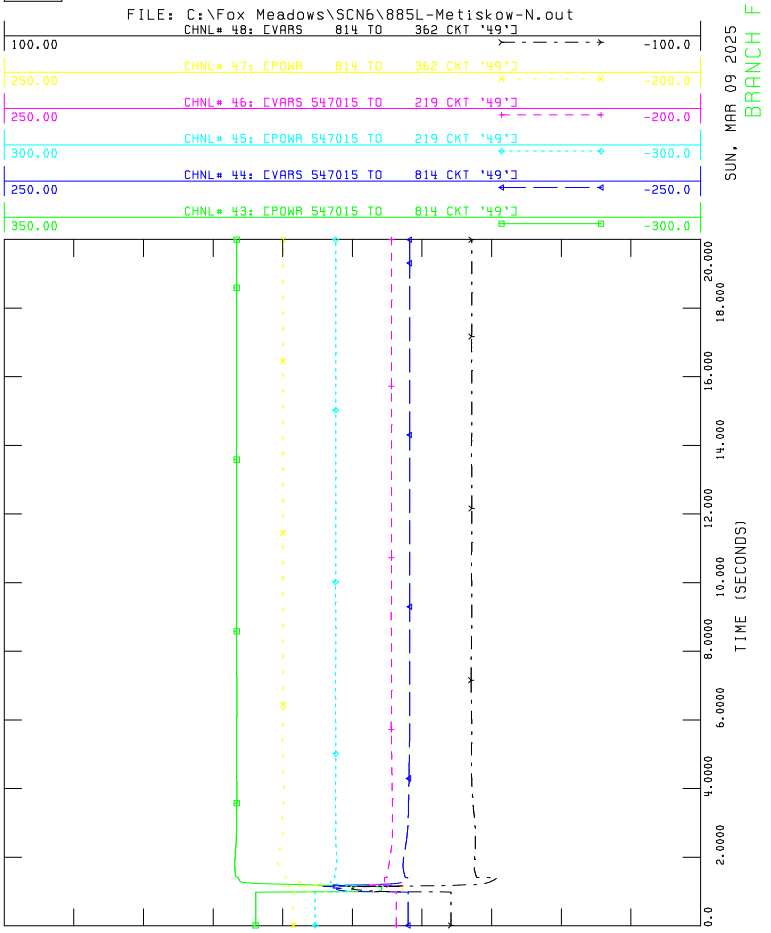


AESO ABO FOX MEADOWS-2028 SP
885L-METISKOW-NEAR

FILE: C:\Fox Meadows\SCN6\885L-Metiskow-N.out

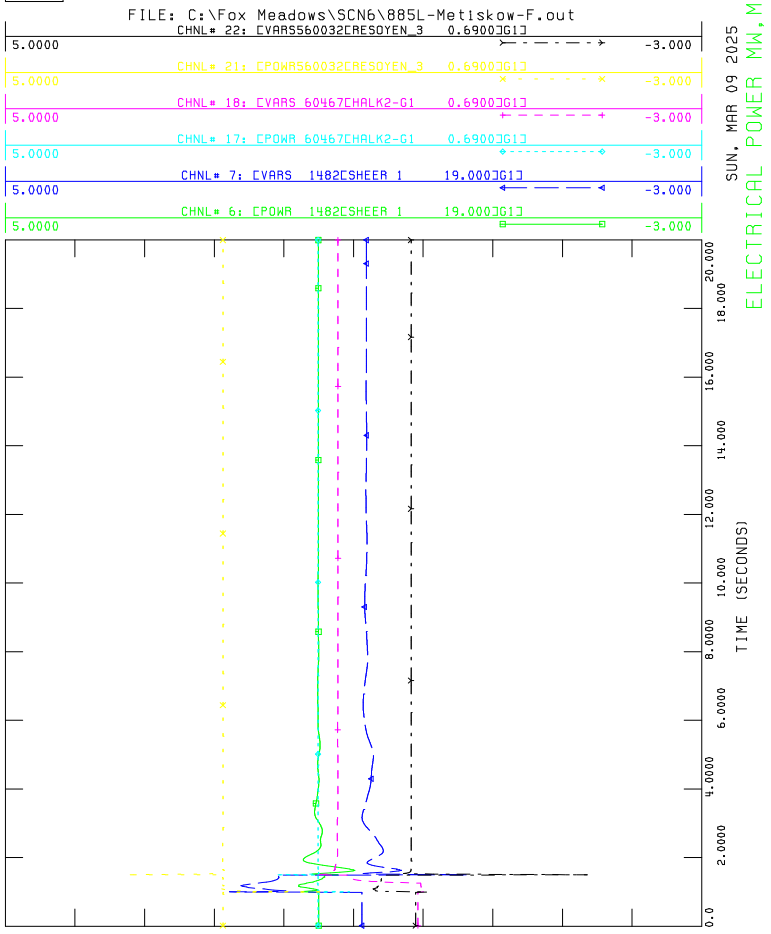
SUN, MAR 09 2025 6:39

BRANCH FLOW



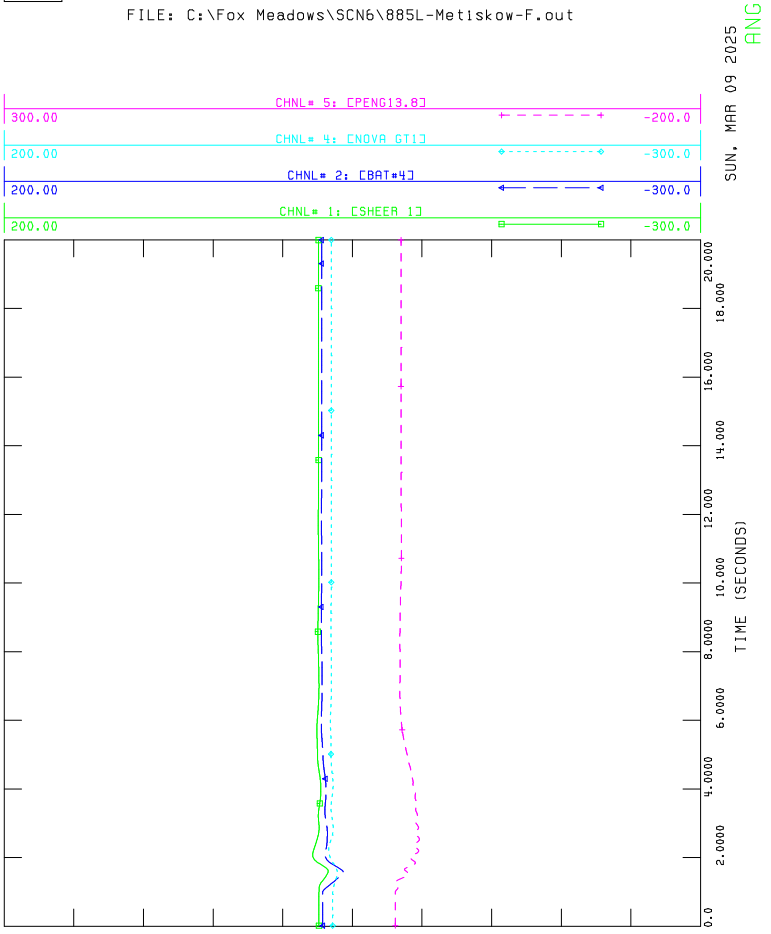
AESO ABO FOX MEADOWS-2028 SP
885L-METISKOW-FAR

FILE: C:\Fox Meadows\SCN6\885L-Metiskow-F.out



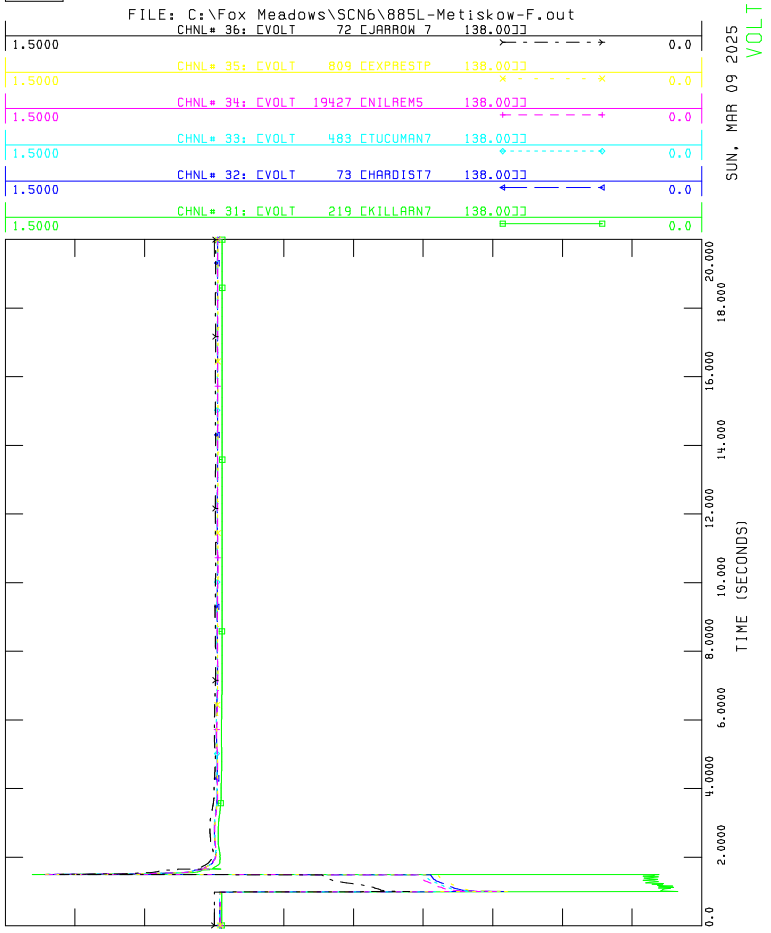
AESO ABO FOX MEADOWS-2028 SP
885L-METISKOW-FAR

FILE: C:\Fox Meadows\SCN6\885L-Metiskow-F.out



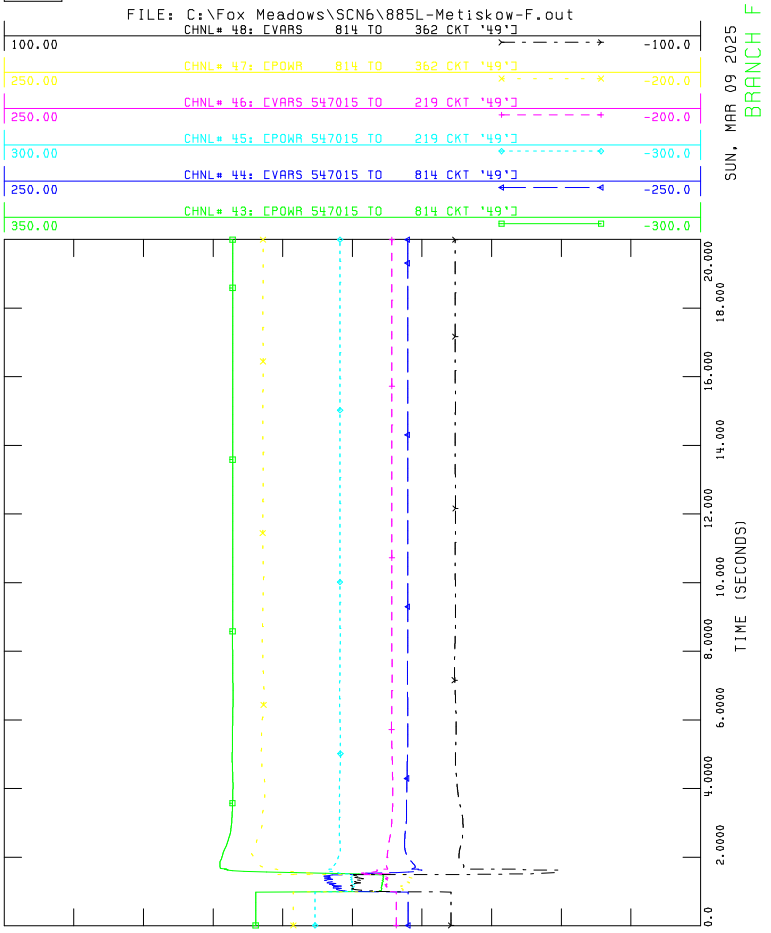
AESO ABO FOX MEADOWS-2028 SP
885L-METISKOW-FAR

FILE: C:\Fox Meadows\SCN6\885L-Metiskow-F.out



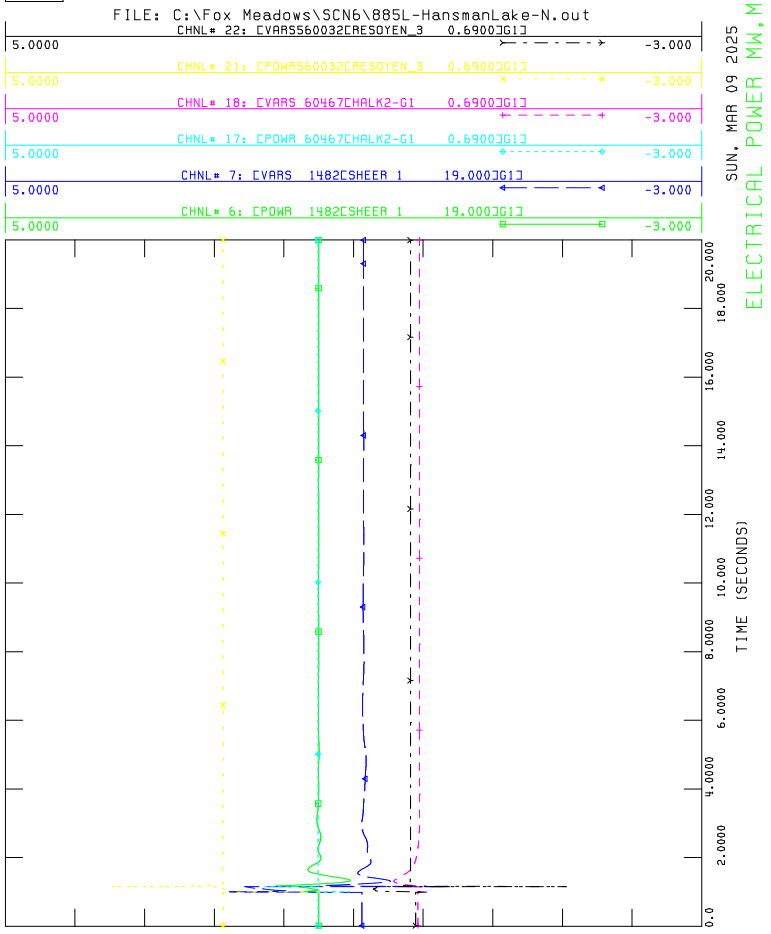
AESO ABO FOX MEADOWS-2028 SP
885L-METISKOW-FAR

FILE: C:\Fox Meadows\SCN6\885L-Metiskow-F.out



AESO ABO FOX MEADOWS-2028 SP
885L-HANSMAN-NEAR

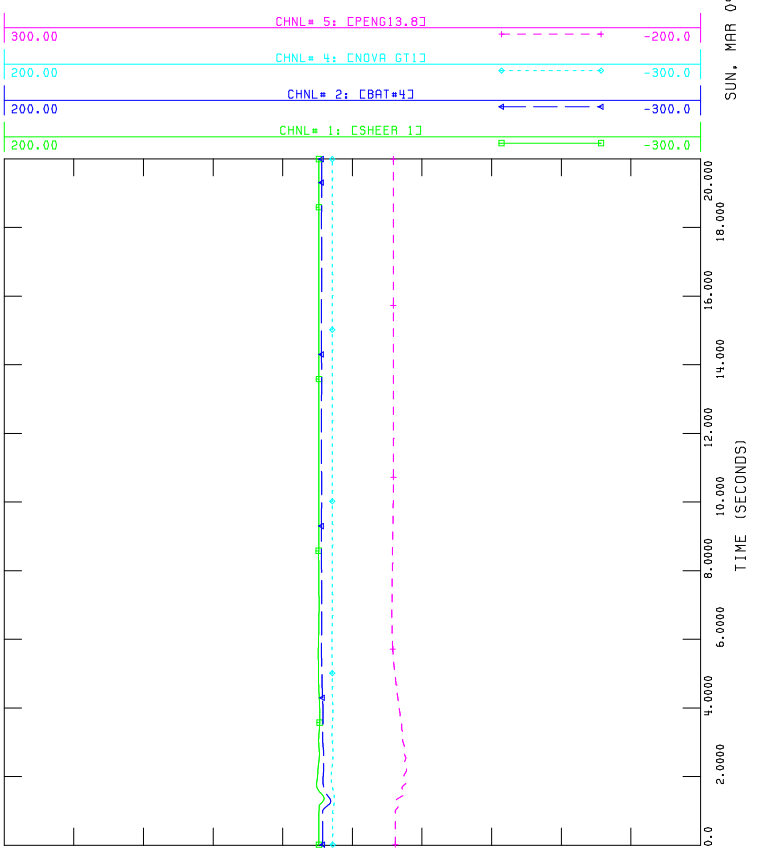
FILE: C:\Fox Meadows\SCN6\885L-HansmanLake-N.out



SUN, MAR 09 2025 6:39 ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SP
885L-HANSMAN-NEAR

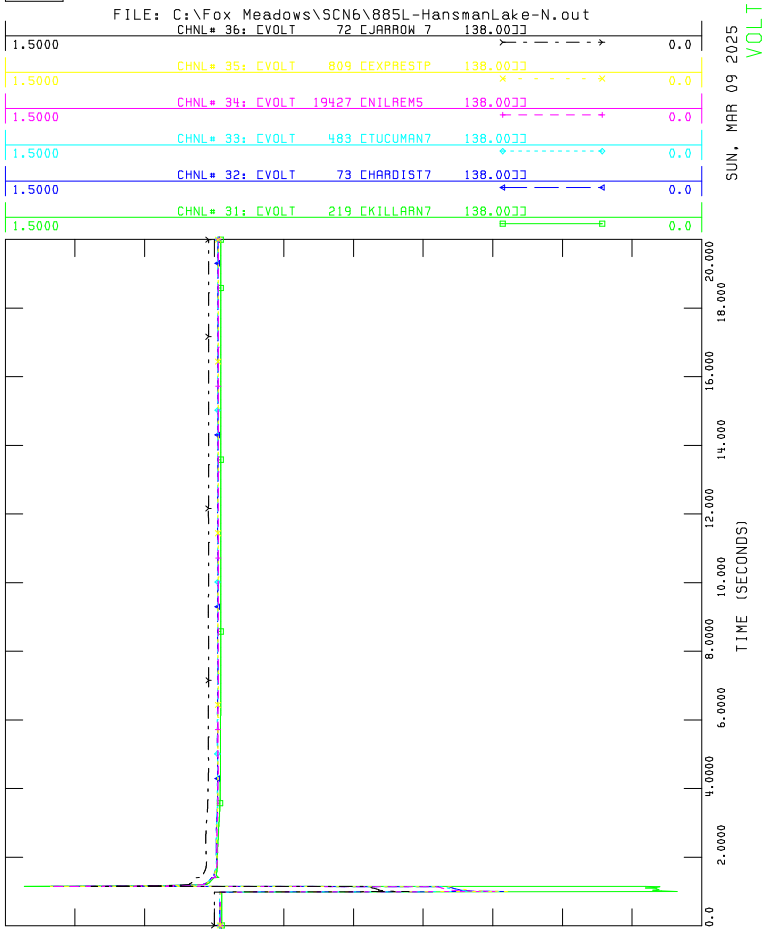
FILE: C:\Fox Meadows\SCN6\885L-HansmanLake-N.out



SUN, MAR 09 2025 6:39 ANGLES

AESO ABO FOX MEADOWS-2028 SP
885L-HANSMAN-NEAR

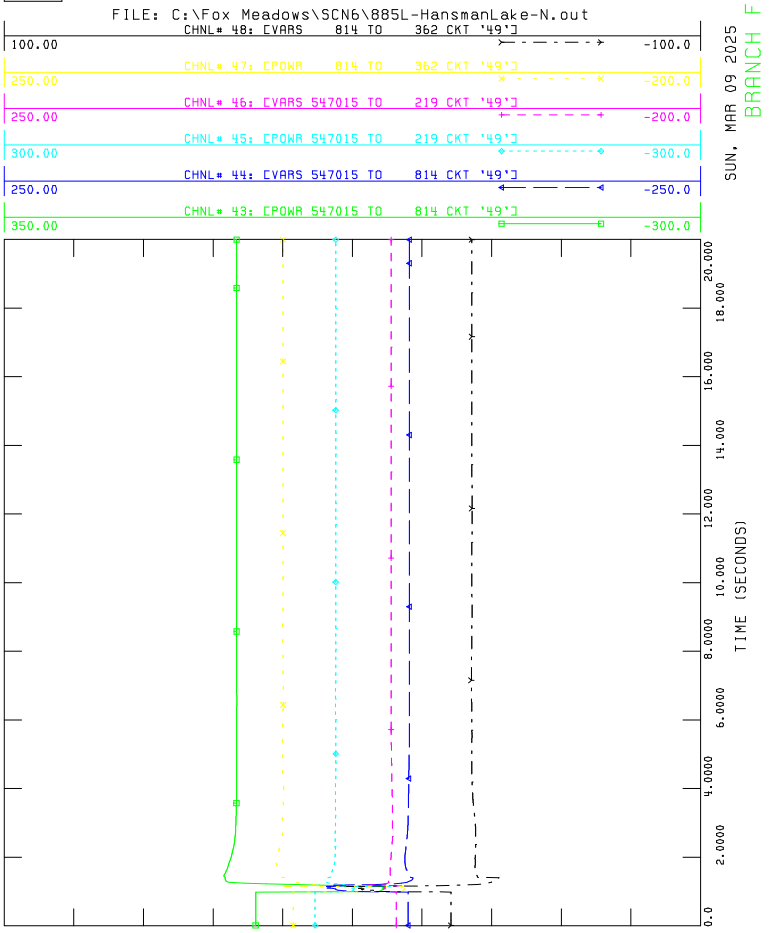
FILE: C:\Fox Meadows\SCN6\885L-HansmanLake-N.out



SUN, MAR 09 2025 6:39 VOLTAGE

AESO ABO FOX MEADOWS-2028 SP
885L-HANSMAN-NEAR

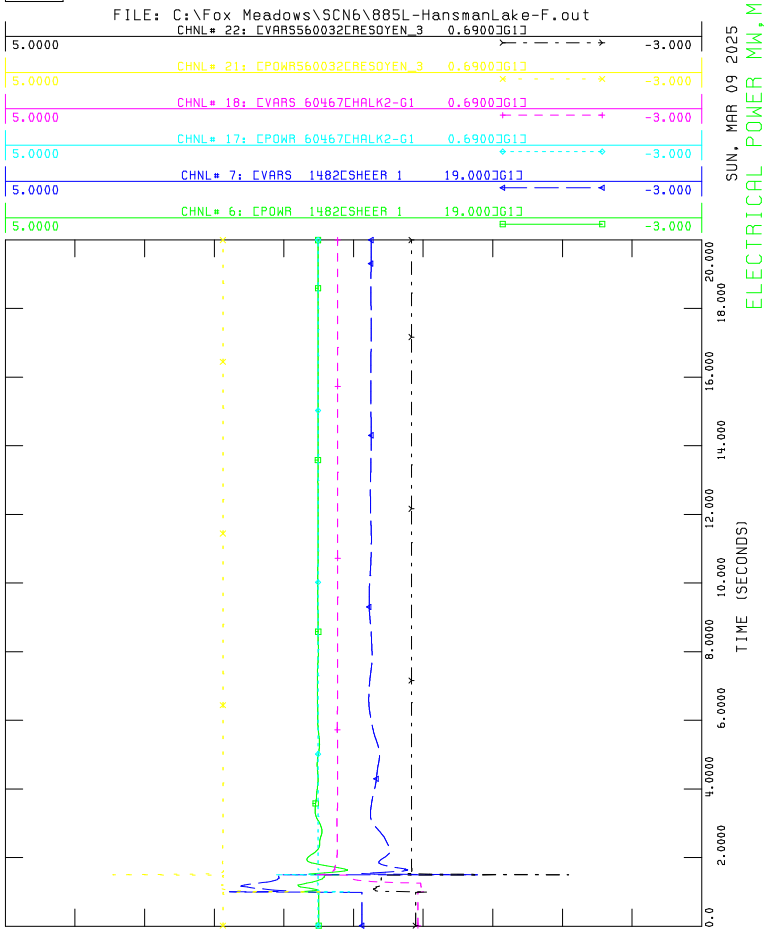
FILE: C:\Fox Meadows\SCN6\885L-HansmanLake-N.out



SUN, MAR 09 2025 6:39 BRANCH FLOW

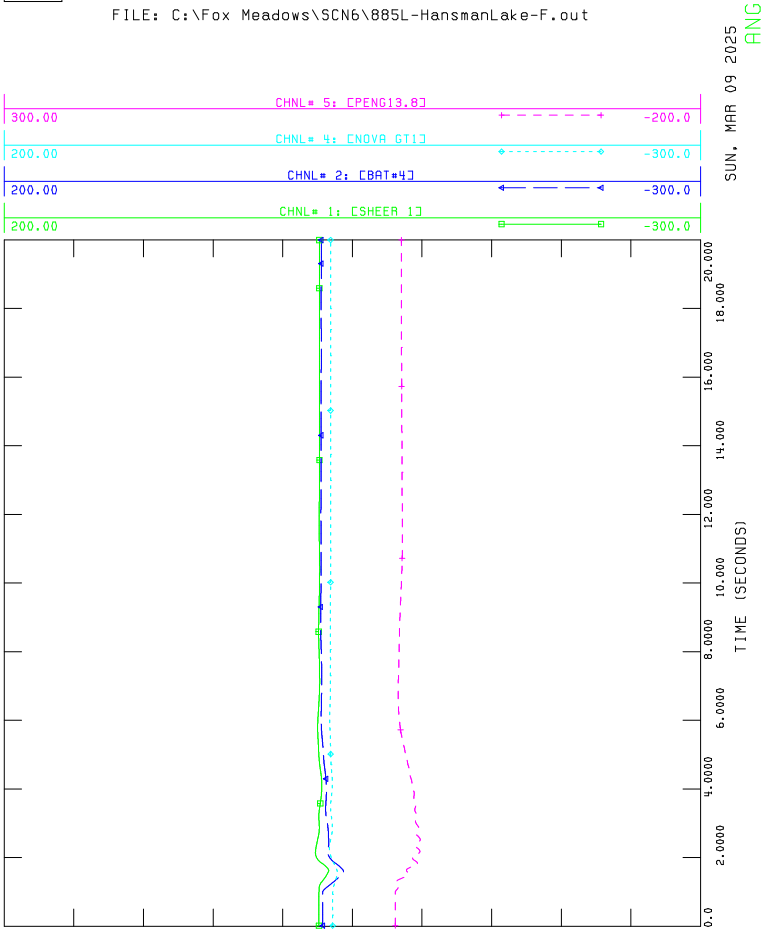
AESO ABO FOX MEADOWS-2028 SP
885L-HANSMAN-FAR

FILE: C:\Fox Meadows\SCN6\885L-HansmanLake-F.out



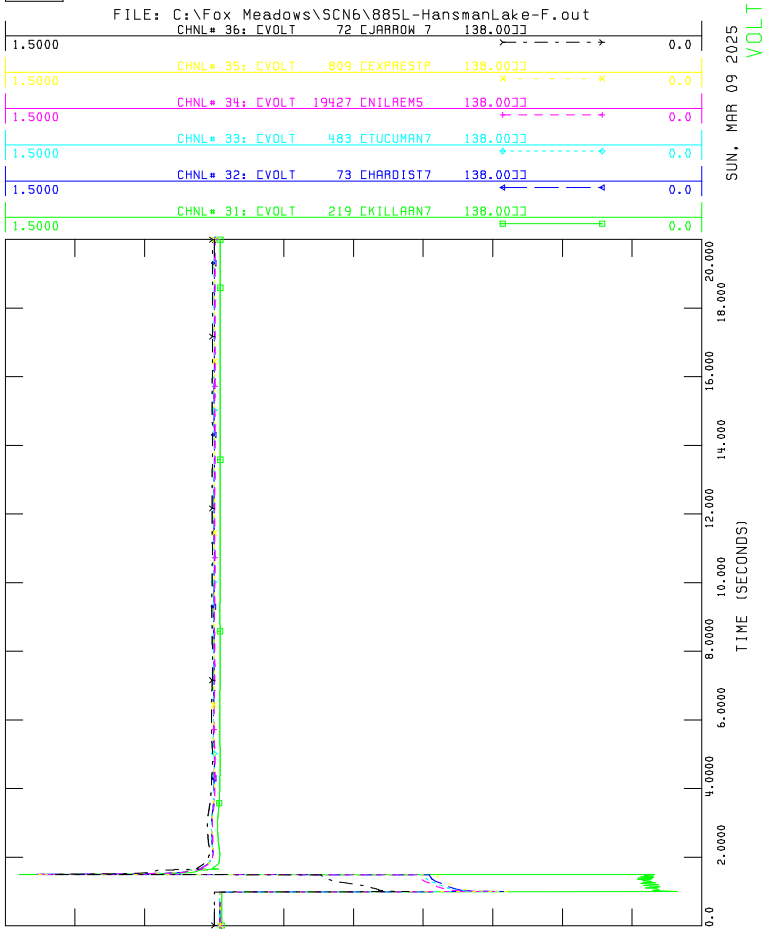
AESO ABO FOX MEADOWS-2028 SP
885L-HANSMAN-FAR

FILE: C:\Fox Meadows\SCN6\885L-HansmanLake-F.out



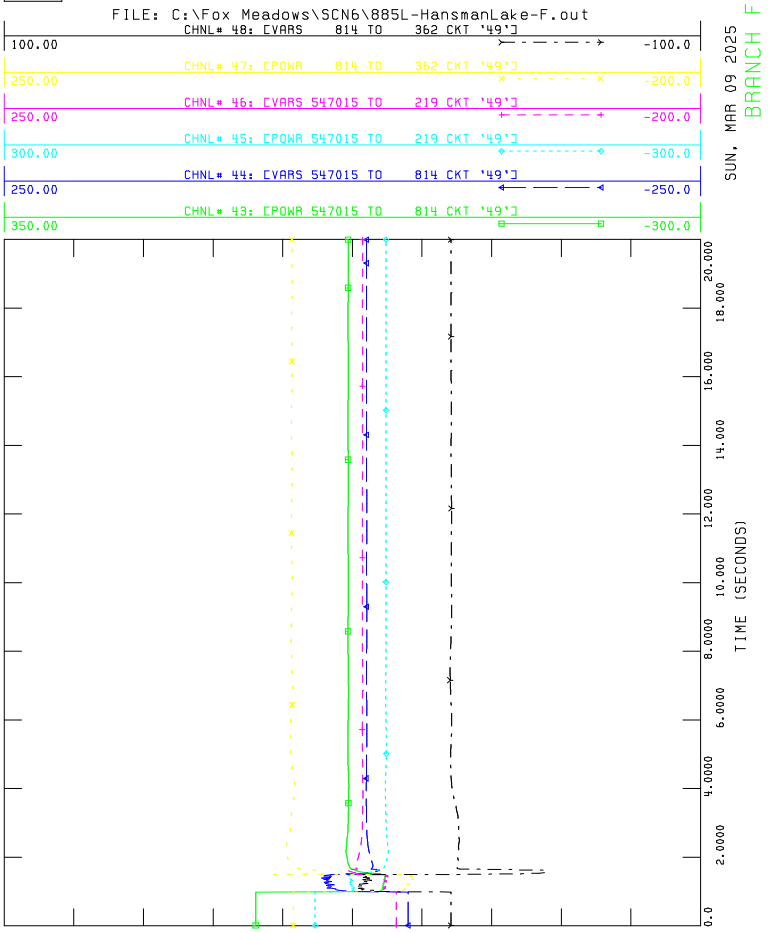
AESO ABO FOX MEADOWS-2028 SP
885L-HANSMAN-FAR

FILE: C:\Fox Meadows\SCN6\885L-HansmanLake-F.out



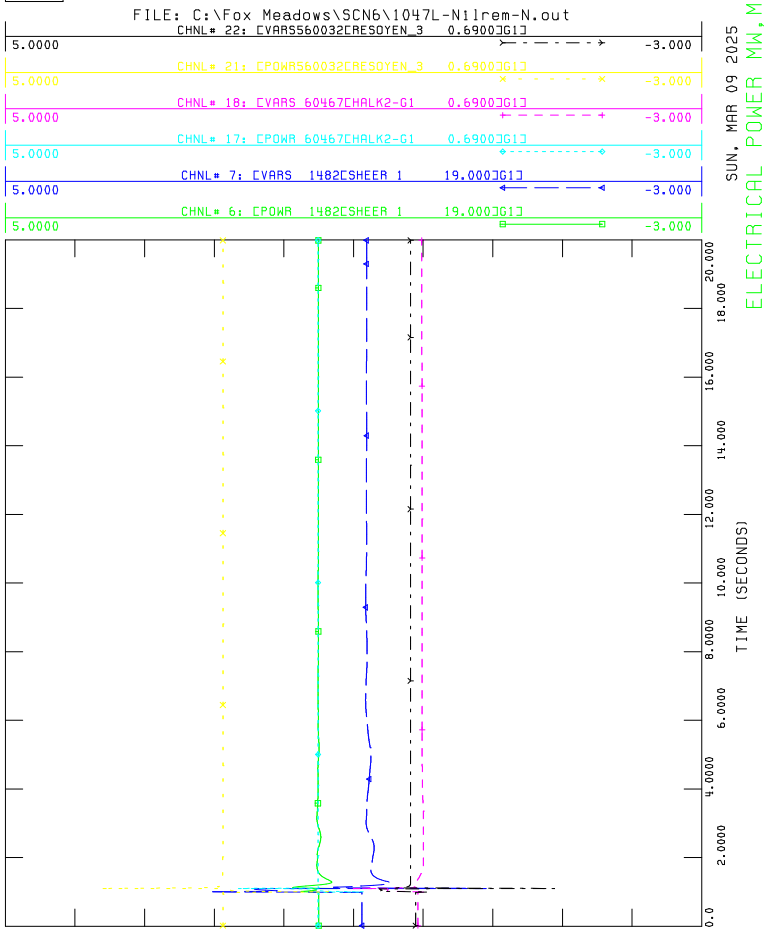
AESO ABO FOX MEADOWS-2028 SP
885L-HANSMAN-FAR

FILE: C:\Fox Meadows\SCN6\885L-HansmanLake-F.out



AESO ABO FOX MEADOWS-2028 SP
1047L-NILREM-NEAR

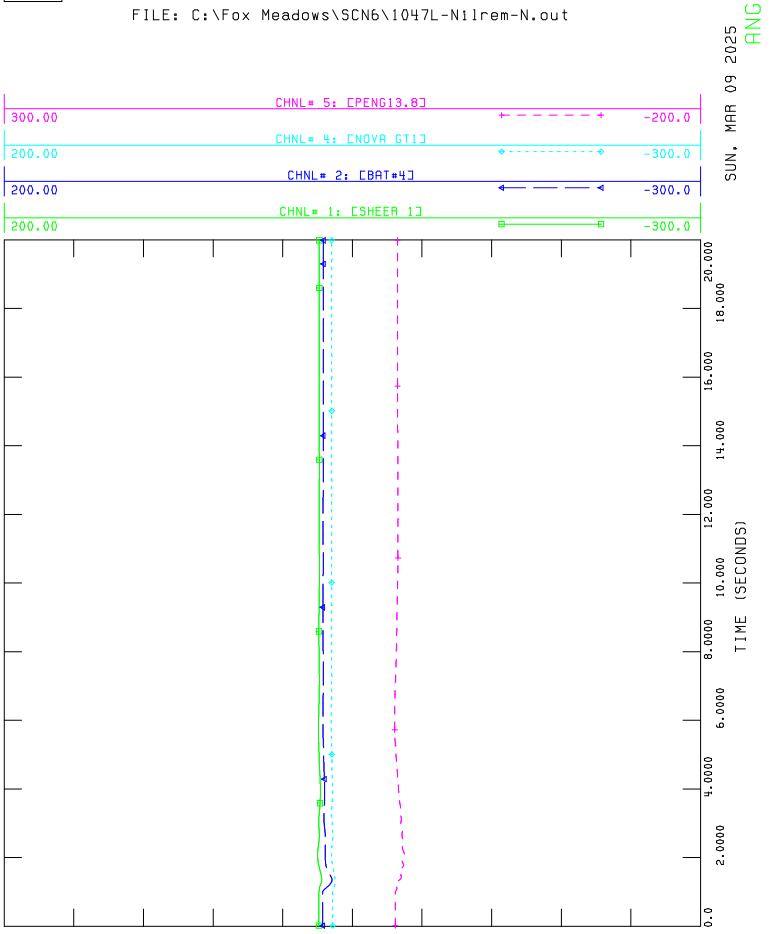
FILE: C:\Fox Meadows\SCN6\1047L-Nilrem-N.out



SUN, MAR 09 2025 6:39
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SP
1047L-NILREM-NEAR

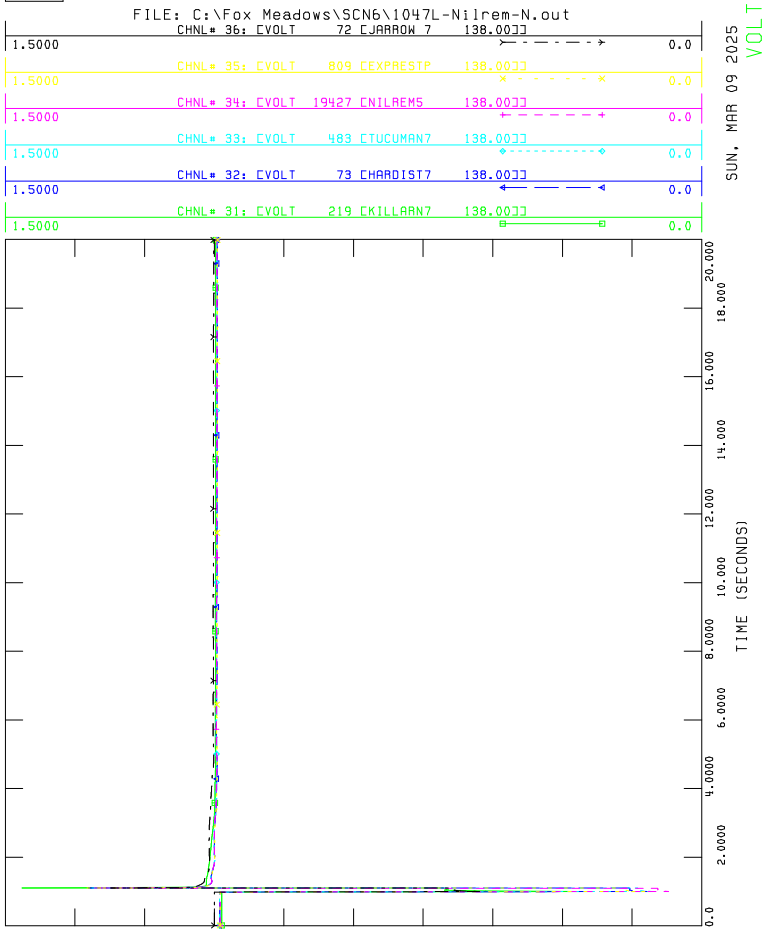
FILE: C:\Fox Meadows\SCN6\1047L-Nilrem-N.out



SUN, MAR 09 2025 6:39
ANGLES

AESO ABO FOX MEADOWS-2028 SP
1047L-NILREM-NEAR

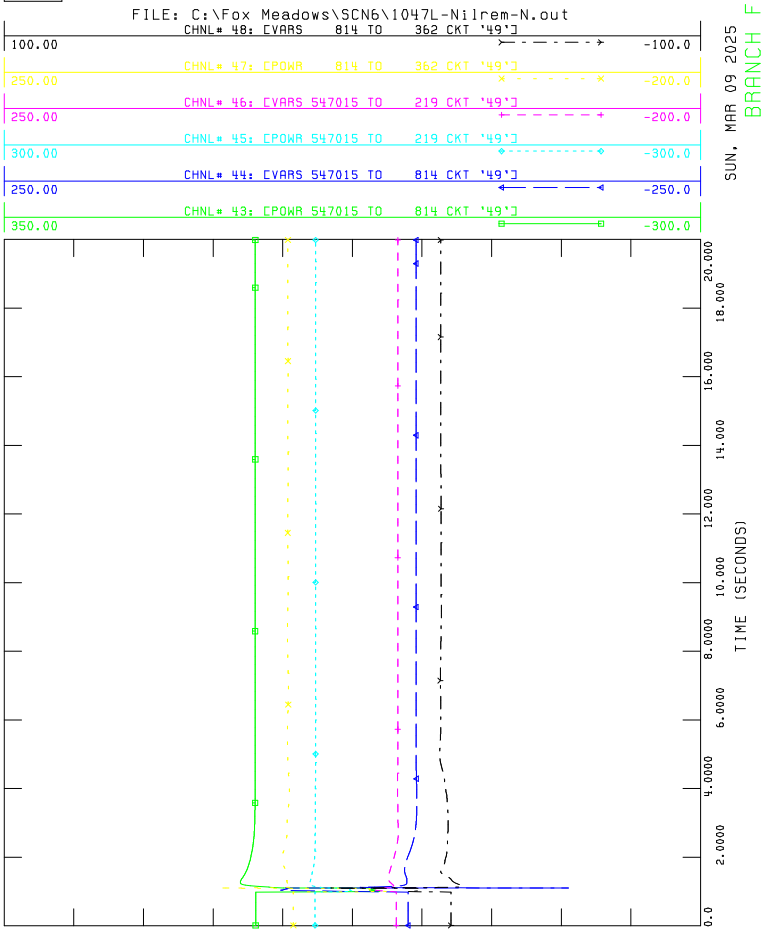
FILE: C:\Fox Meadows\SCN6\1047L-Nilrem-N.out



SUN, MAR 09 2025 6:39
VOLTAGE

AESO ABO FOX MEADOWS-2028 SP
1047L-NILREM-NEAR

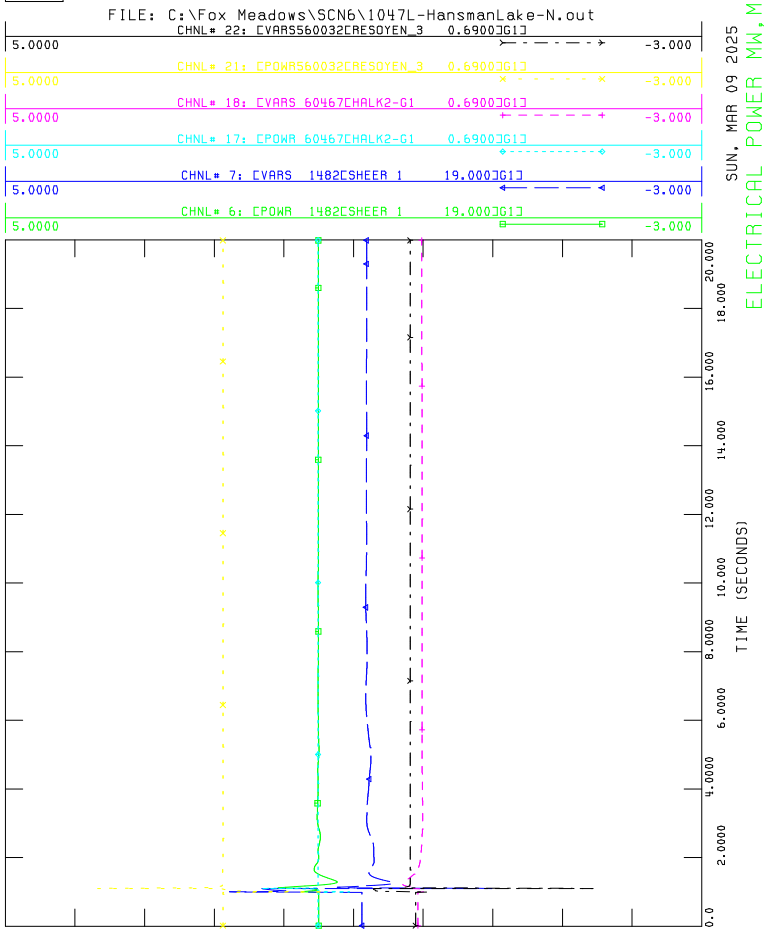
FILE: C:\Fox Meadows\SCN6\1047L-Nilrem-N.out



SUN, MAR 09 2025 6:39
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SP
1047L-HANSMAN-NEAR

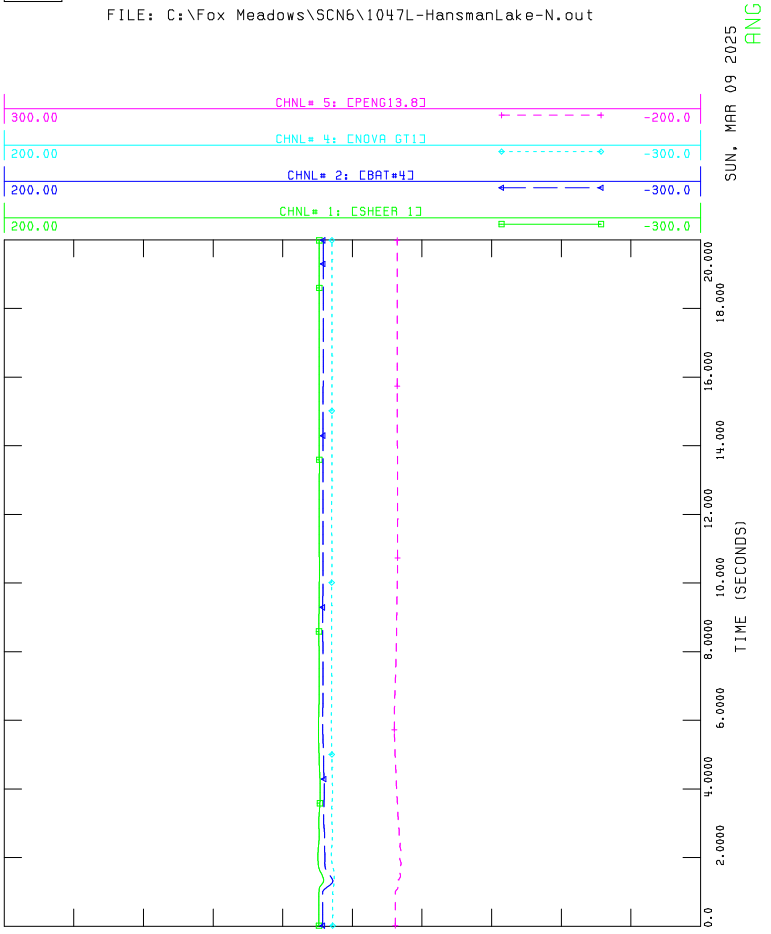
FILE: C:\Fox Meadows\SCN6\1047L-HansmanLake-N.out



SUN, MAR 09 2025 6:39
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SP
1047L-HANSMAN-NEAR

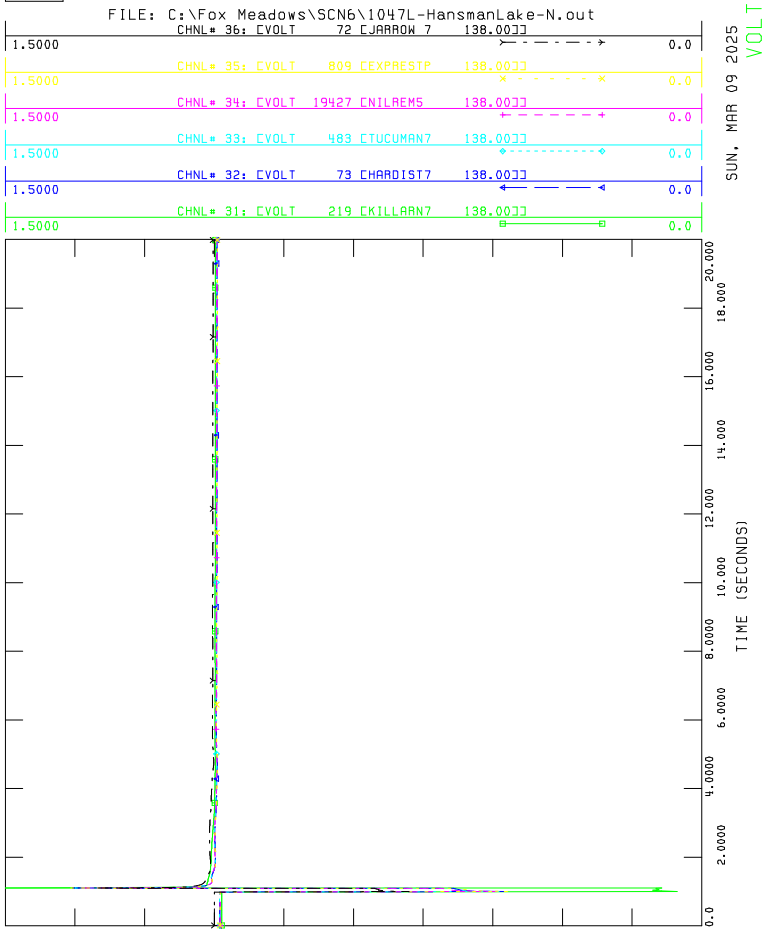
FILE: C:\Fox Meadows\SCN6\1047L-HansmanLake-N.out



SUN, MAR 09 2025 6:39
ANGLES

AESO ABO FOX MEADOWS-2028 SP
1047L-HANSMAN-NEAR

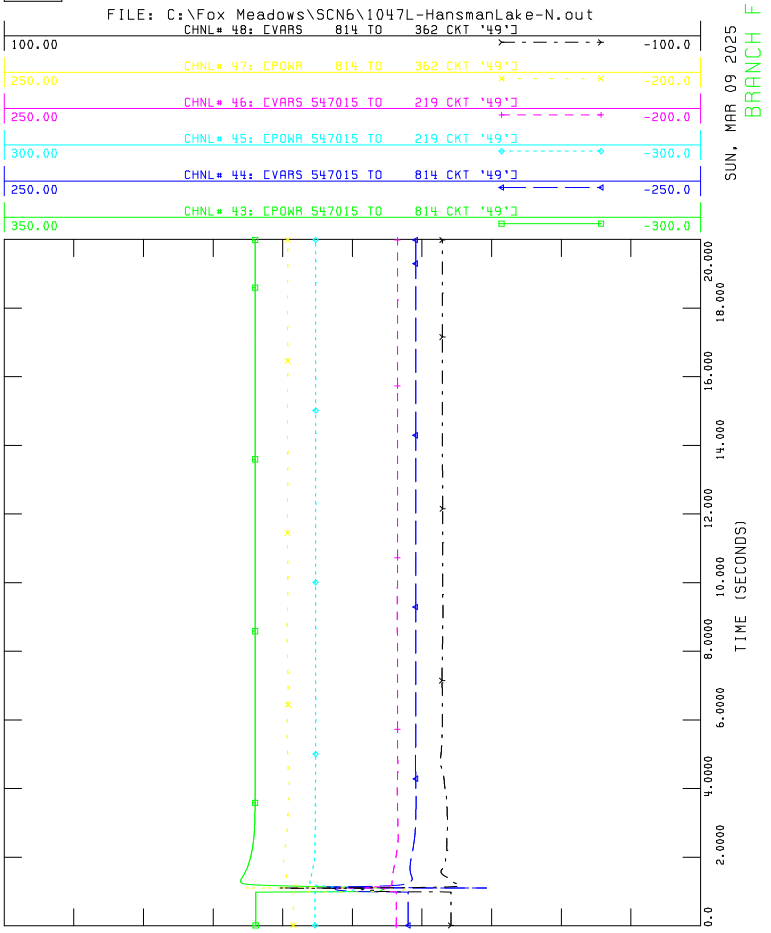
FILE: C:\Fox Meadows\SCN6\1047L-HansmanLake-N.out



SUN, MAR 09 2025 6:39
VOLTAGE

AESO ABO FOX MEADOWS-2028 SP
1047L-HANSMAN-NEAR

FILE: C:\Fox Meadows\SCN6\1047L-HansmanLake-N.out



SUN, MAR 09 2025 6:39
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SP
948L-HANSMAN-NEAR

FILE: C:\Fox Meadows\SCN6\948L-hansmanLake-N.out

SUN, MAR 09 2025 6:39

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
5.0000 -3.000
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
5.0000 -3.000

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
948L-HANSMAN-NEAR

FILE: C:\Fox Meadows\SCN6\948L-hansmanLake-N.out

SUN, MAR 09 2025 6:39

ANGLES

CHNL# 5: CPENG13.8J
300.00 -200.0
CHNL# 4: CNOVA GT1J
200.00 -300.0
CHNL# 2: CBAT#4J
200.00 -300.0
CHNL# 1: CSHEER 1J
200.00 -300.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
948L-HANSMAN-NEAR

FILE: C:\Fox Meadows\SCN6\948L-hansmanLake-N.out

SUN, MAR 09 2025 6:39

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
1.5000 0.0
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
1.5000 0.0
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
1.5000 0.0
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
1.5000 0.0
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
1.5000 0.0
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ
1.5000 0.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
948L-HANSMAN-NEAR

FILE: C:\Fox Meadows\SCN6\948L-hansmanLake-N.out

SUN, MAR 09 2025 6:39

BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
100.00 -100.0
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
300.00 -300.0
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
350.00 -300.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

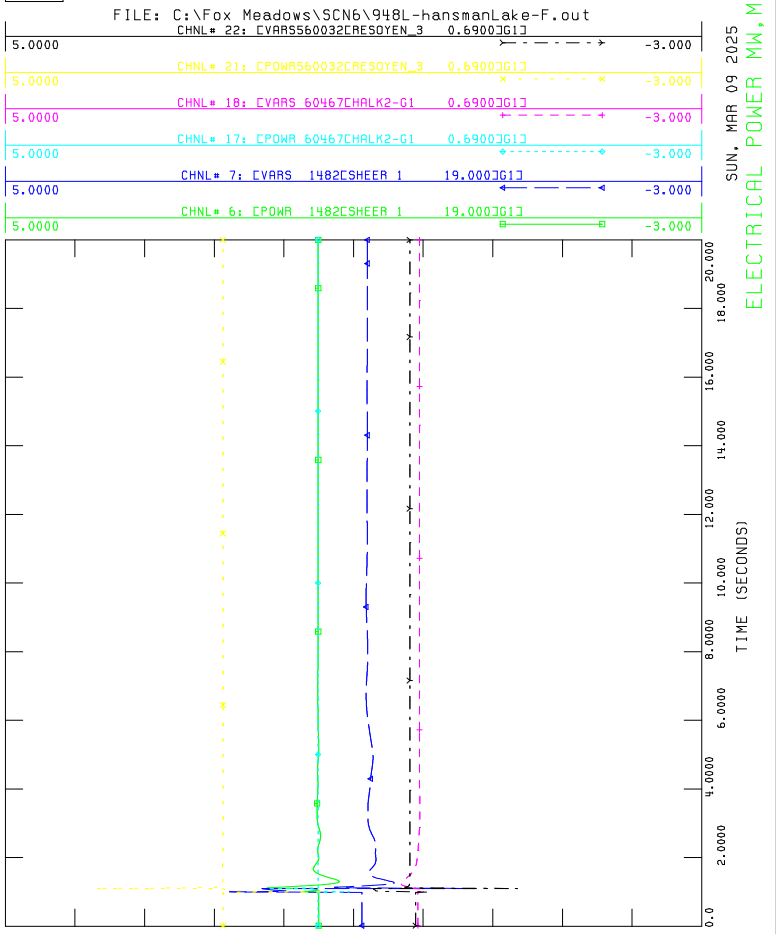
TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
948L-HANSMAN-FAR

FILE: C:\Fox Meadows\SCN6\948L-hansmanLake-F.out

SUN, MAR 09 2025 6:39

ELECTRICAL POWER MW, MVAR

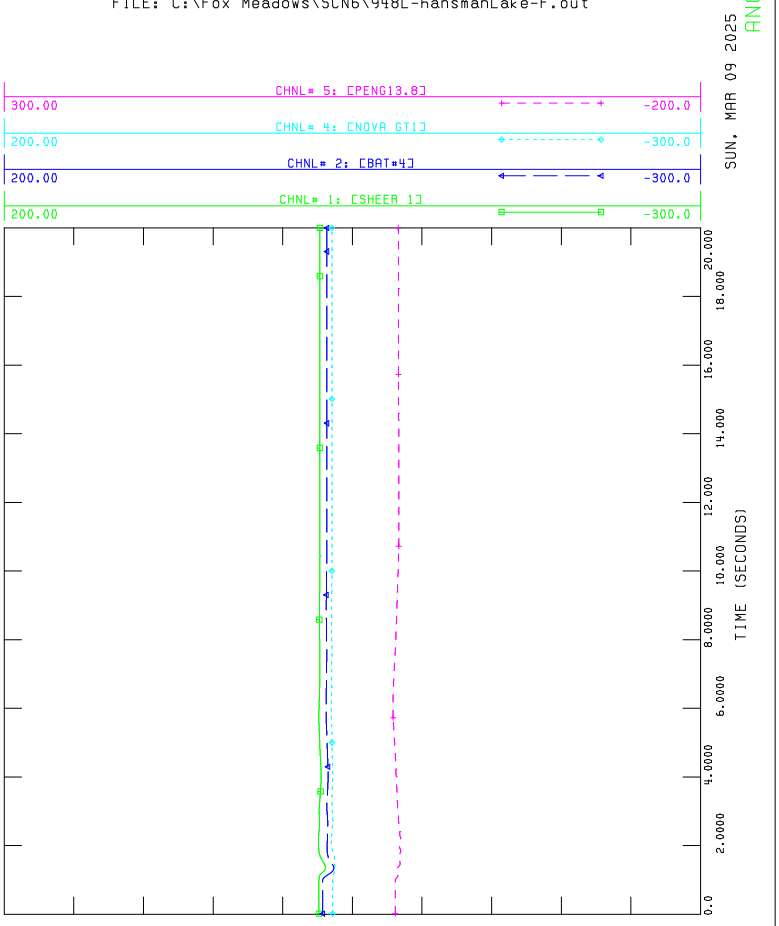


AESO ABO FOX MEADOWS-2028 SP
948L-HANSMAN-FAR

FILE: C:\Fox Meadows\SCN6\948L-hansmanLake-F.out

SUN, MAR 09 2025 6:39

ANGLES

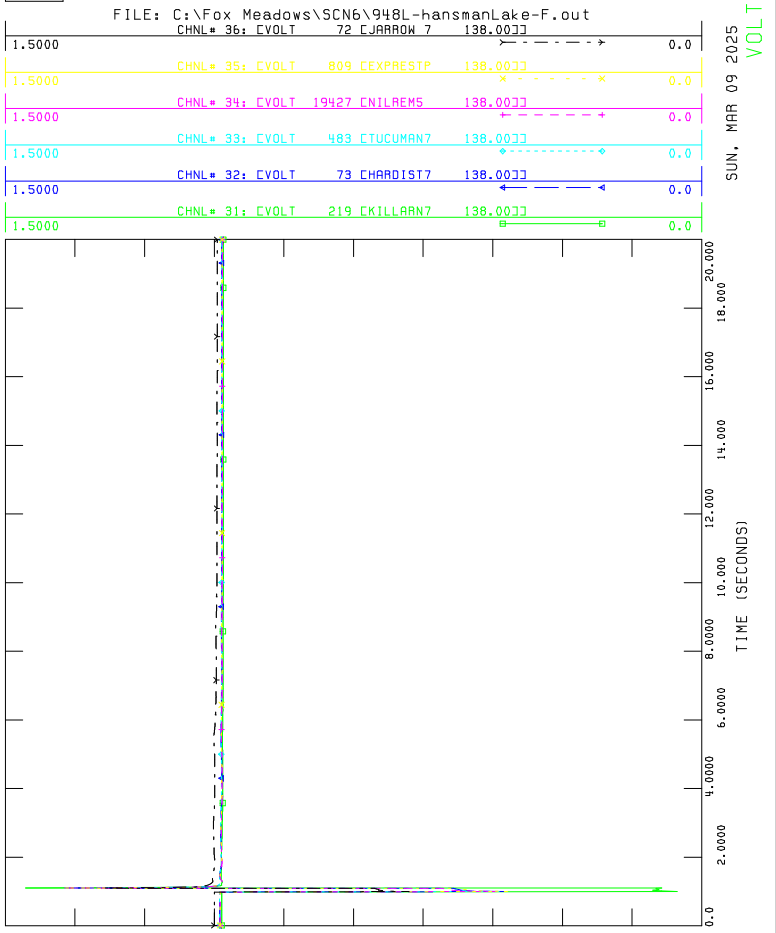


AESO ABO FOX MEADOWS-2028 SP
948L-HANSMAN-FAR

FILE: C:\Fox Meadows\SCN6\948L-hansmanLake-F.out

SUN, MAR 09 2025 6:39

VOLTAGE

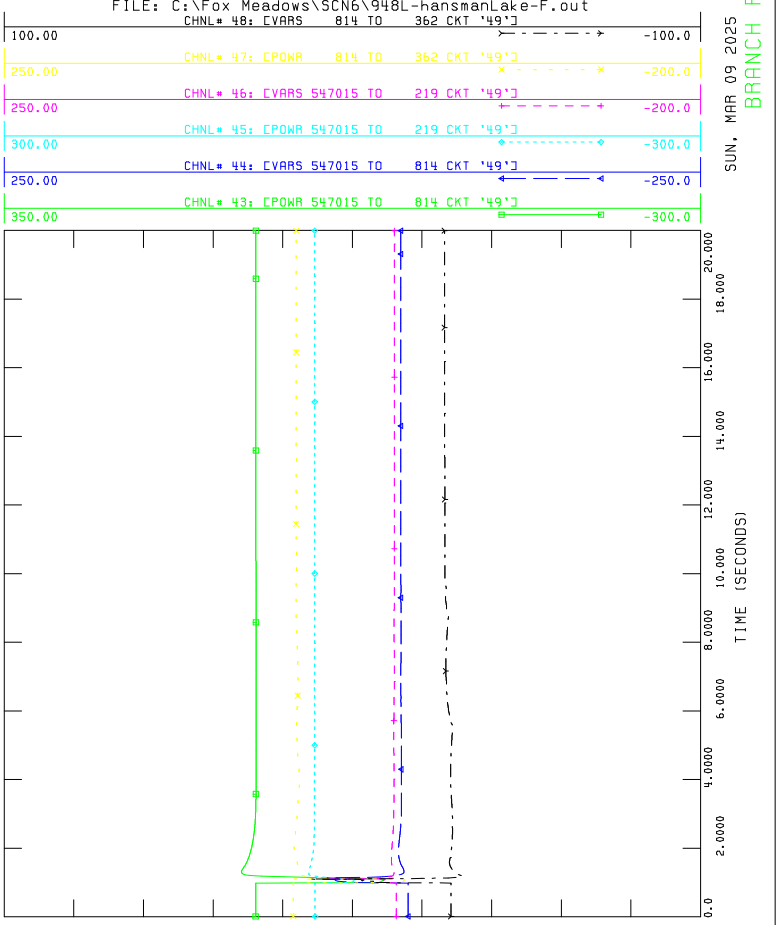


AESO ABO FOX MEADOWS-2028 SP
948L-HANSMAN-FAR

FILE: C:\Fox Meadows\SCN6\948L-hansmanLake-F.out

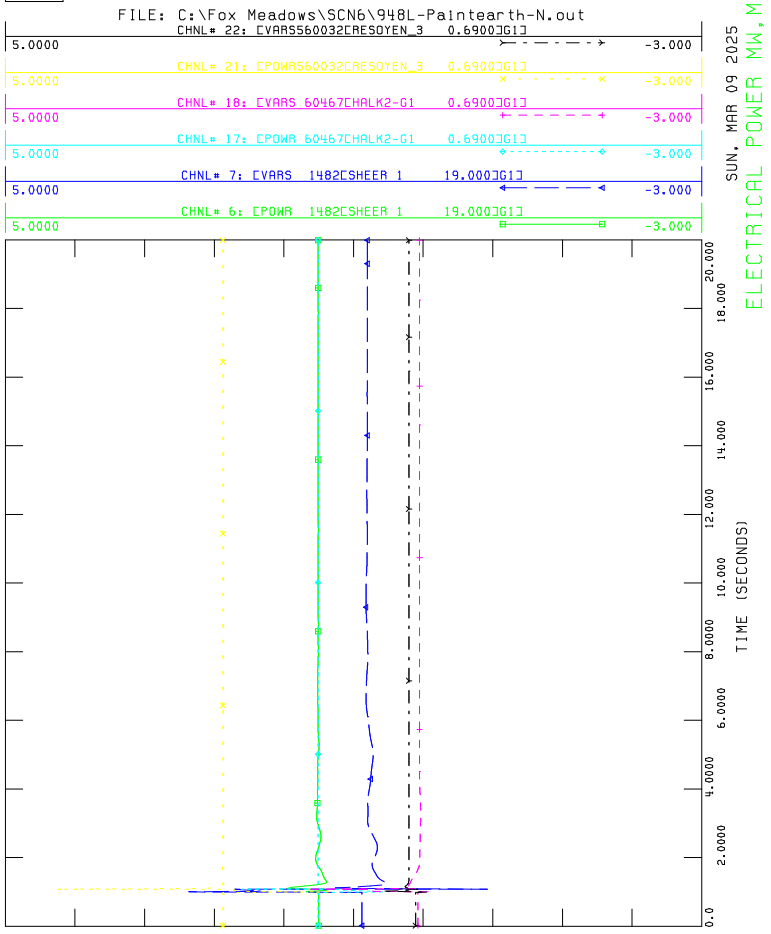
SUN, MAR 09 2025 6:39

BRANCH FLOW



AESO ABO FOX MEADOWS-2028 SP
948L-PAINTEARTH-NEAR

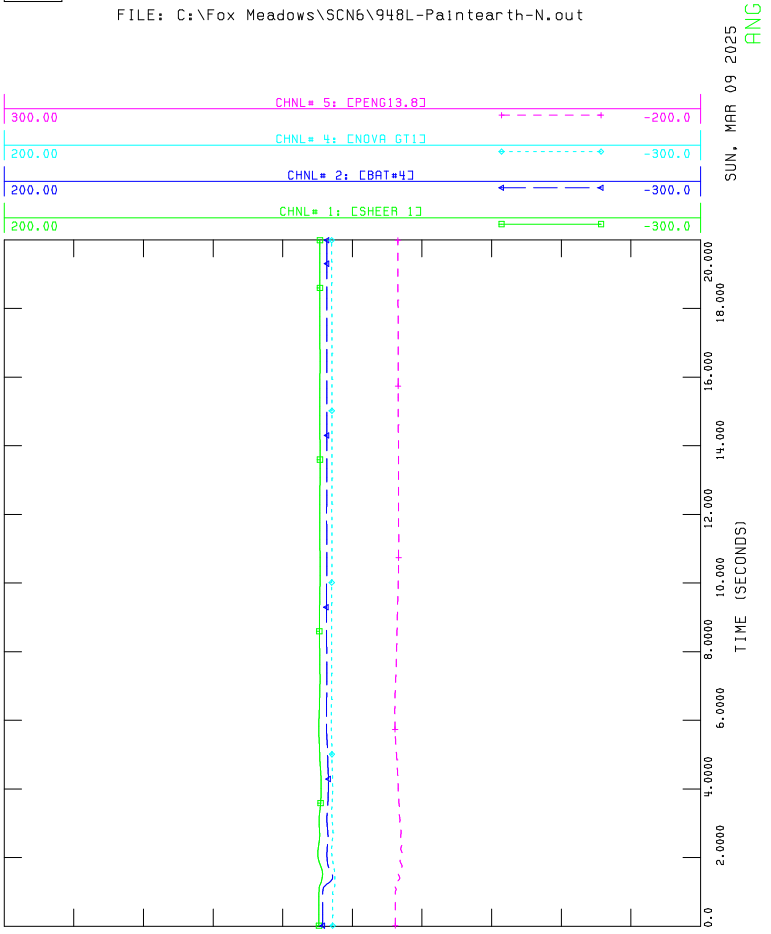
FILE: C:\Fox Meadows\SCN6\948L-Paintearth-N.out



SUN, MAR 09 2025 6:39
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SP
948L-PAINTEARTH-NEAR

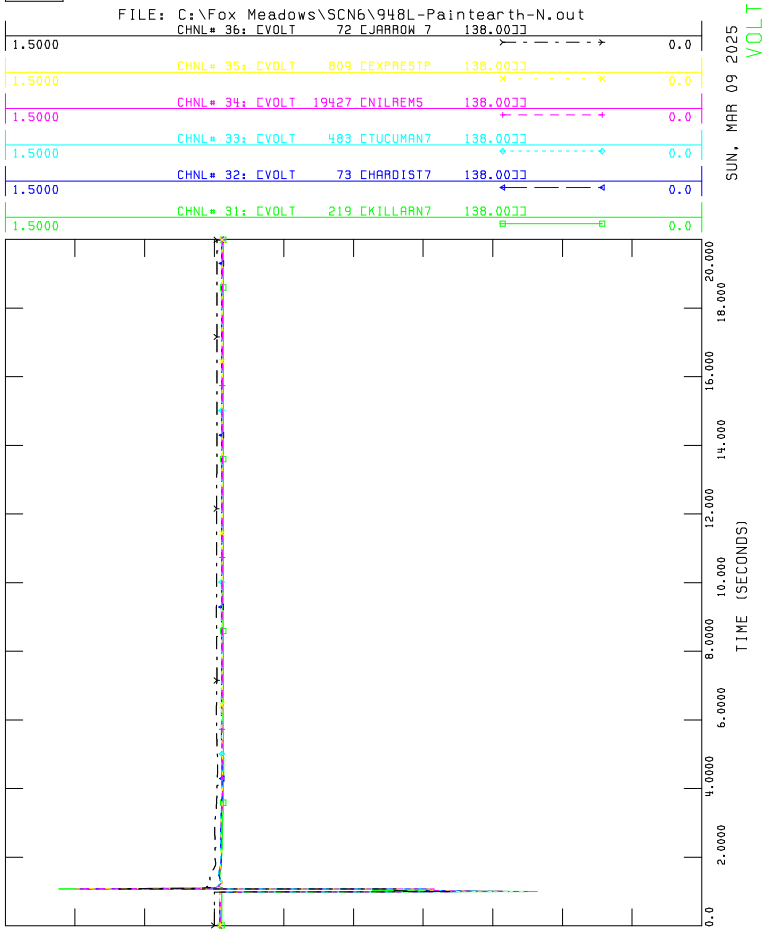
FILE: C:\Fox Meadows\SCN6\948L-Paintearth-N.out



SUN, MAR 09 2025 6:40
ANGLES

AESO ABO FOX MEADOWS-2028 SP
948L-PAINTEARTH-NEAR

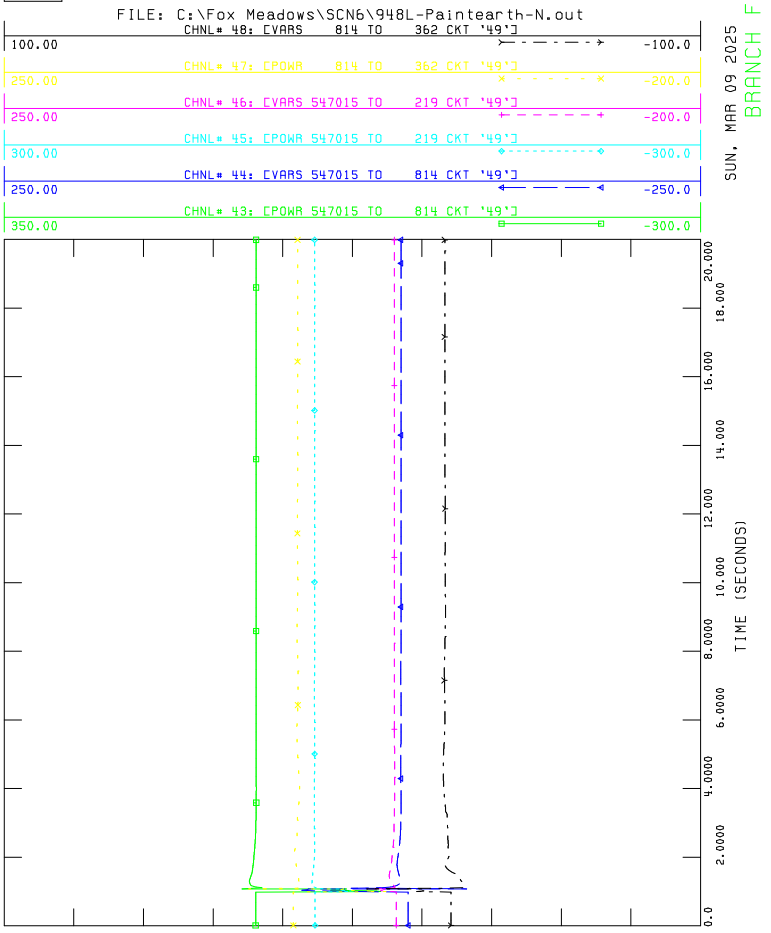
FILE: C:\Fox Meadows\SCN6\948L-Paintearth-N.out



SUN, MAR 09 2025 6:39
VOLTAGE

AESO ABO FOX MEADOWS-2028 SP
948L-PAINTEARTH-NEAR

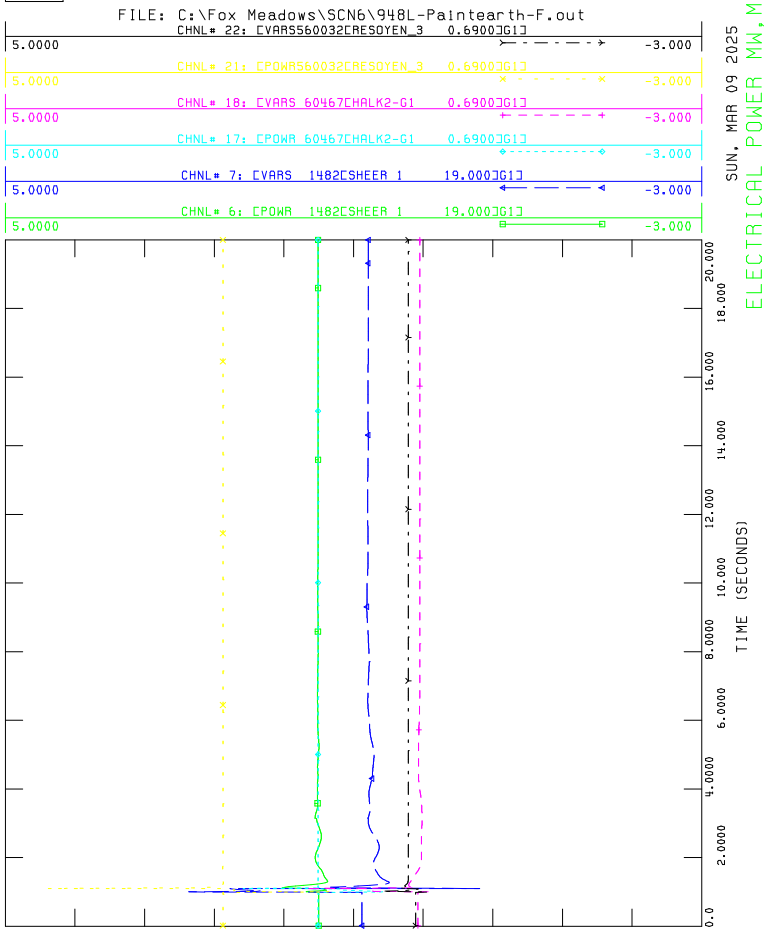
FILE: C:\Fox Meadows\SCN6\948L-Paintearth-N.out



SUN, MAR 09 2025 6:39
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SP
948L-PAINTEARTH-FAR

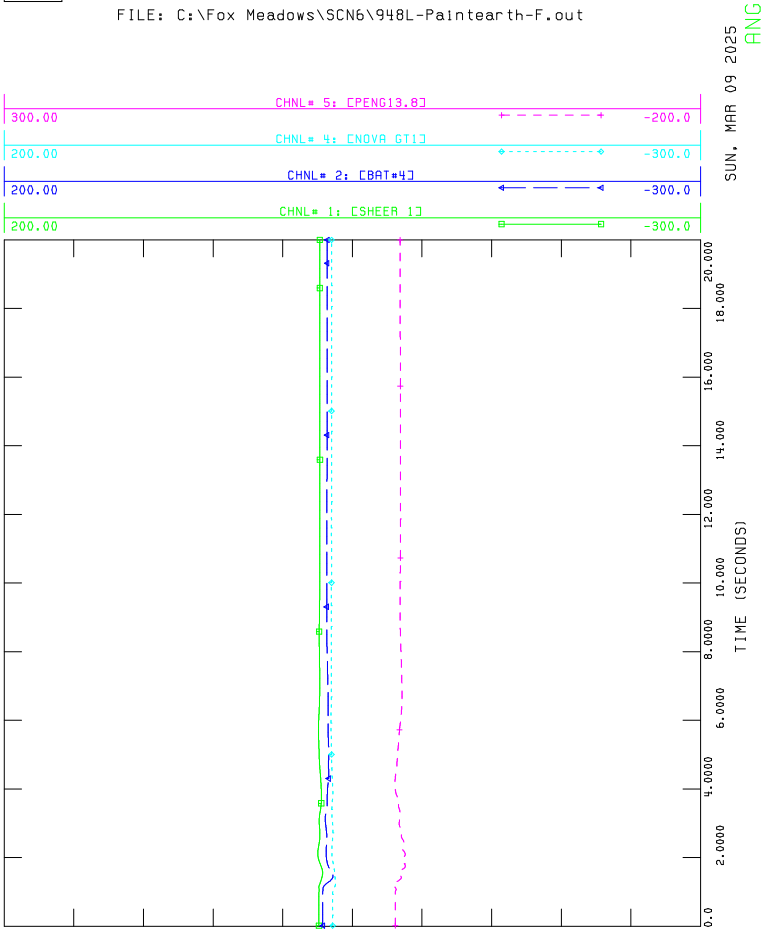
FILE: C:\Fox Meadows\SCN6\948L-Paintearth-F.out



SUN, MAR 09 2025 6:40 ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SP
948L-PAINTEARTH-FAR

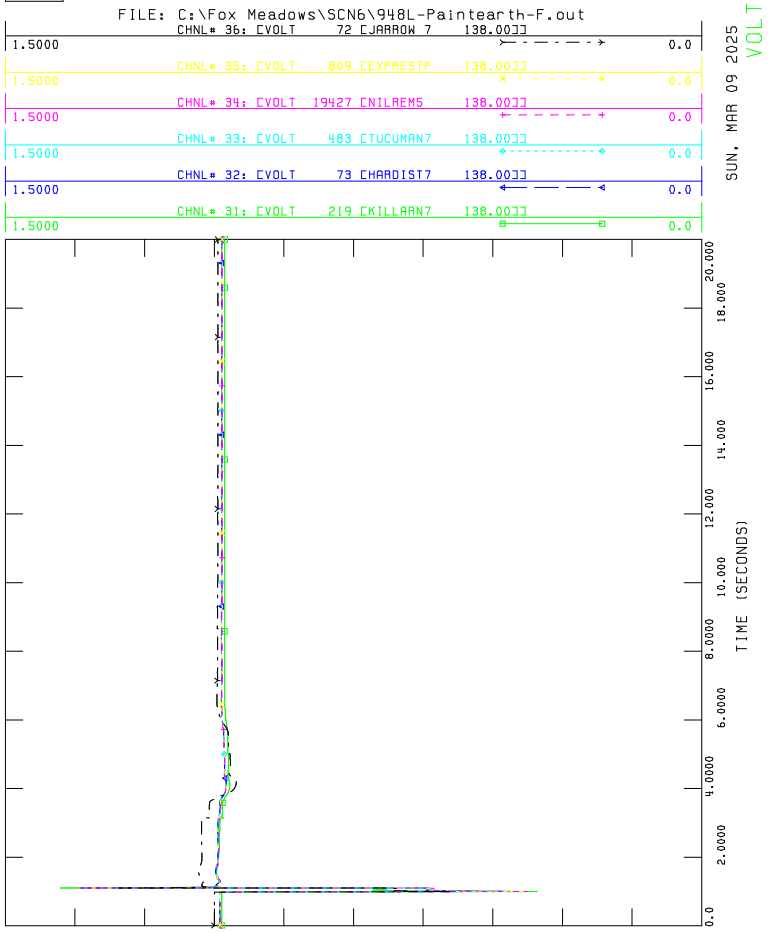
FILE: C:\Fox Meadows\SCN6\948L-Paintearth-F.out



SUN, MAR 09 2025 6:40 ANGLES

AESO ABO FOX MEADOWS-2028 SP
948L-PAINTEARTH-FAR

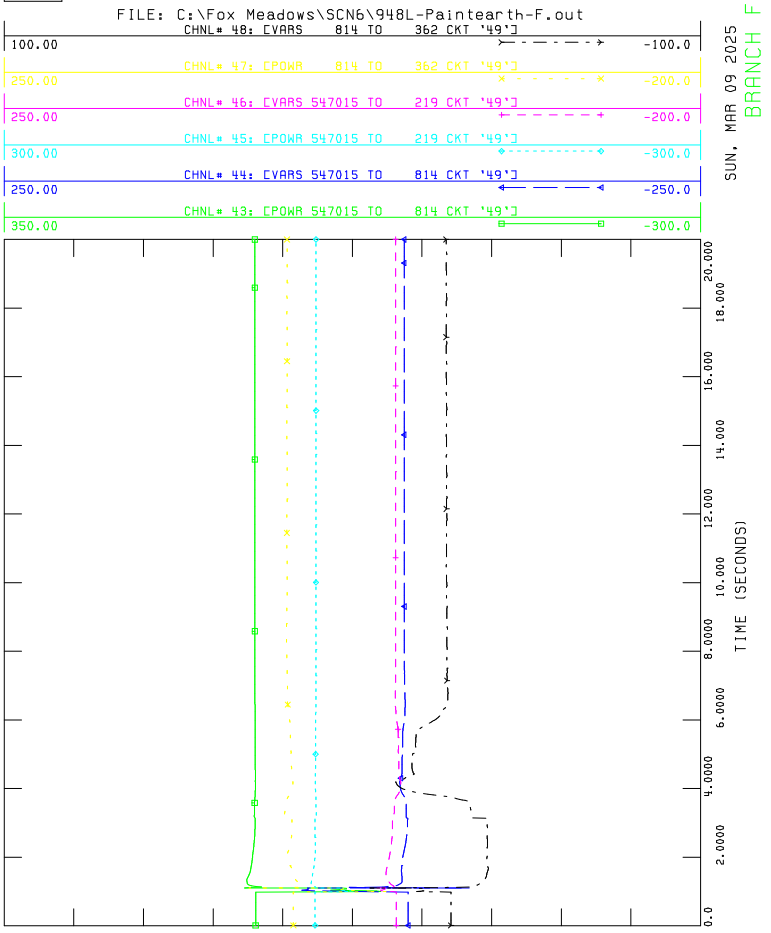
FILE: C:\Fox Meadows\SCN6\948L-Paintearth-F.out



SUN, MAR 09 2025 6:40 VOLTAGE

AESO ABO FOX MEADOWS-2028 SP
948L-PAINTEARTH-FAR

FILE: C:\Fox Meadows\SCN6\948L-Paintearth-F.out



SUN, MAR 09 2025 6:40 BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SP
715L-PROVOST-NEAR

FILE: C:\Fox Meadows\SCN6\715AL-hansmanLake-N.out

SUN, MAR 09 2025 6:40

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
5.0000 -3.000
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
5.0000 -3.000

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SP
715L-PROVOST-NEAR

FILE: C:\Fox Meadows\SCN6\715AL-hansmanLake-N.out

SUN, MAR 09 2025 6:40

ANGLES

CHNL# 5: CPENG13.8J
300.00 -200.0
CHNL# 4: CNOVA GT1J
200.00 -300.0
CHNL# 2: CBAT#4J
200.00 -300.0
CHNL# 1: CSHEER 1J
200.00 -300.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SP
715L-PROVOST-NEAR

FILE: C:\Fox Meadows\SCN6\715AL-hansmanLake-N.out

SUN, MAR 09 2025 6:40

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
1.5000 0.0
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
1.5000 0.0
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
1.5000 0.0
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
1.5000 0.0
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
1.5000 0.0
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ
1.5000 0.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SP
715L-PROVOST-NEAR

FILE: C:\Fox Meadows\SCN6\715AL-hansmanLake-N.out

SUN, MAR 09 2025 6:40

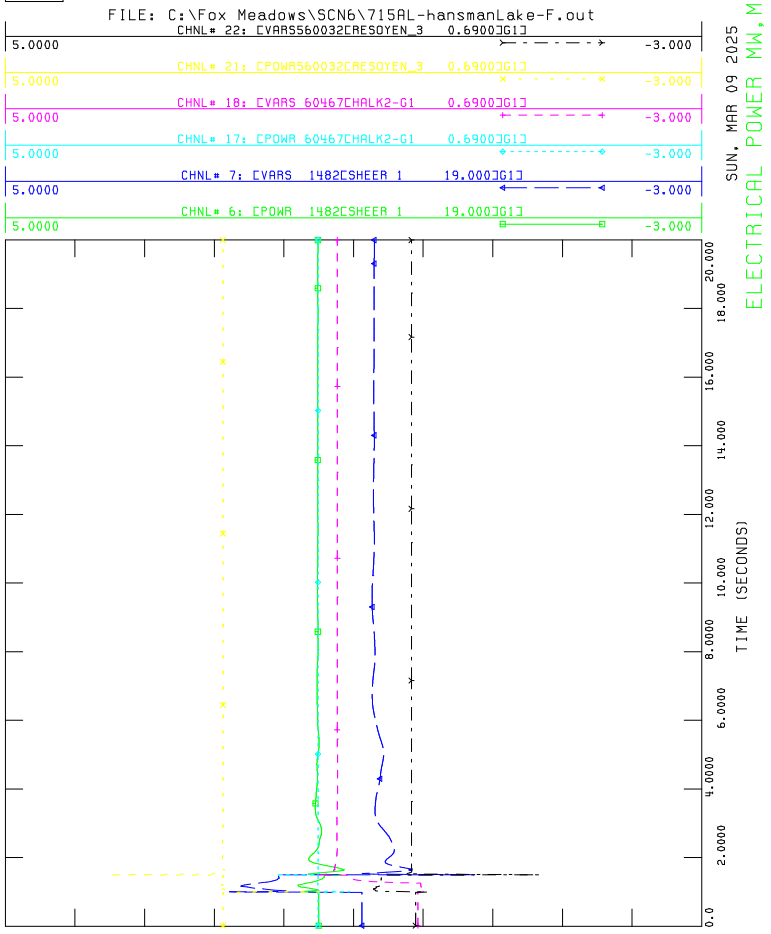
BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
100.00 -100.0
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
300.00 -300.0
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
350.00 -300.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SP
715L-PROVOST-FAR

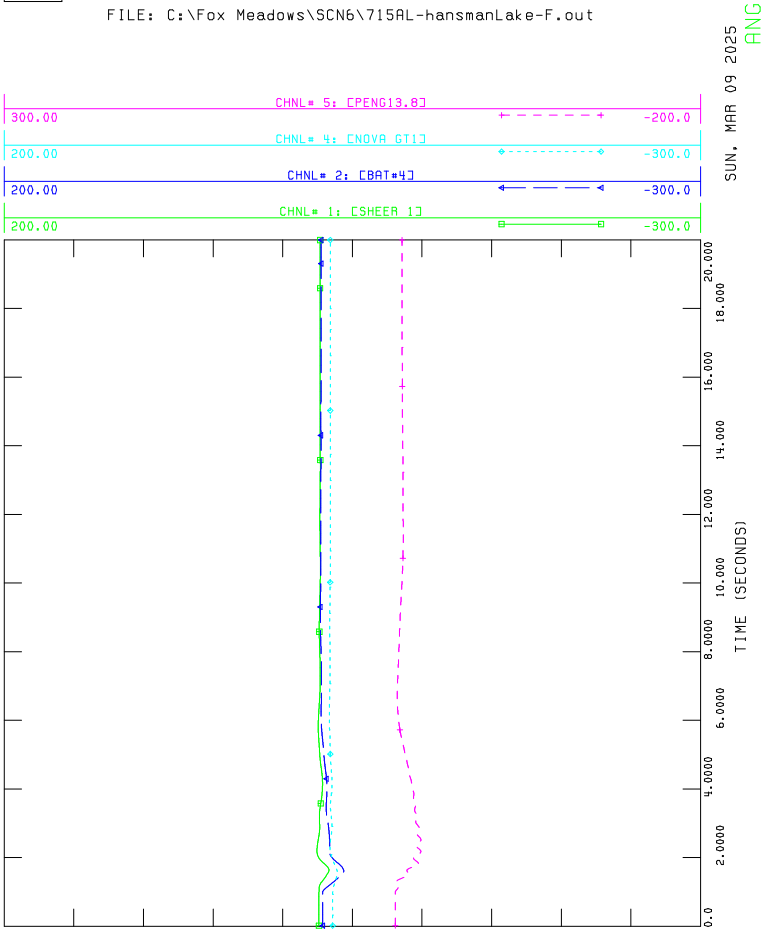
FILE: C:\Fox Meadows\SCN6\715AL-hansmanLake-F.out



SUN, MAR 09 2025 6:40
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SP
715L-PROVOST-FAR

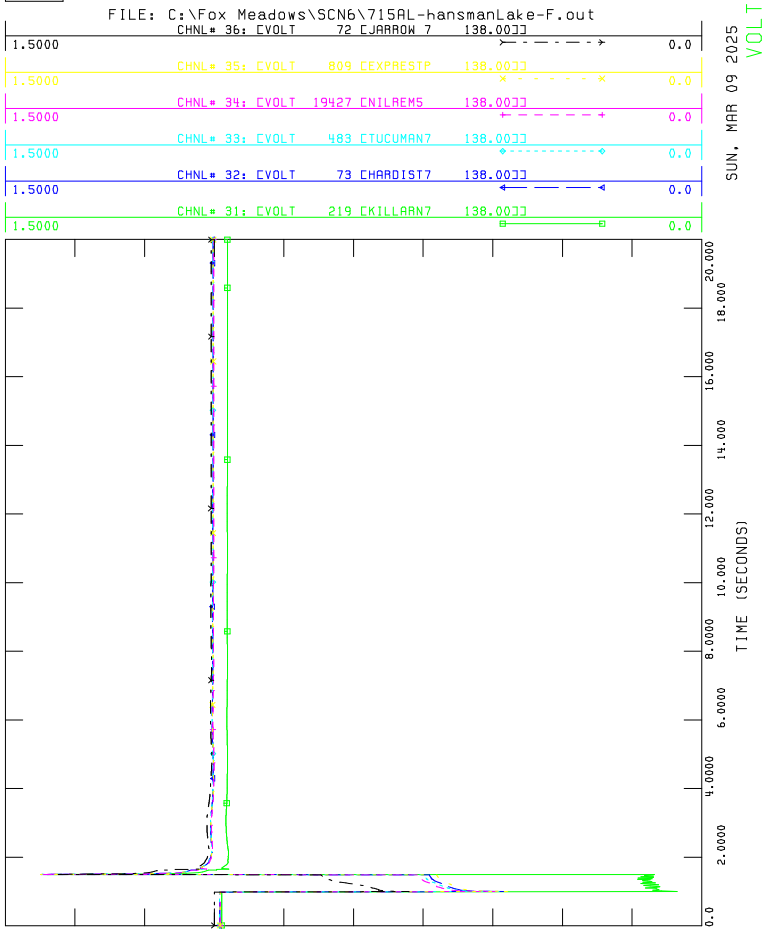
FILE: C:\Fox Meadows\SCN6\715AL-hansmanLake-F.out



SUN, MAR 09 2025 6:40
ANGLES

AESO ABO FOX MEADOWS-2028 SP
715L-PROVOST-FAR

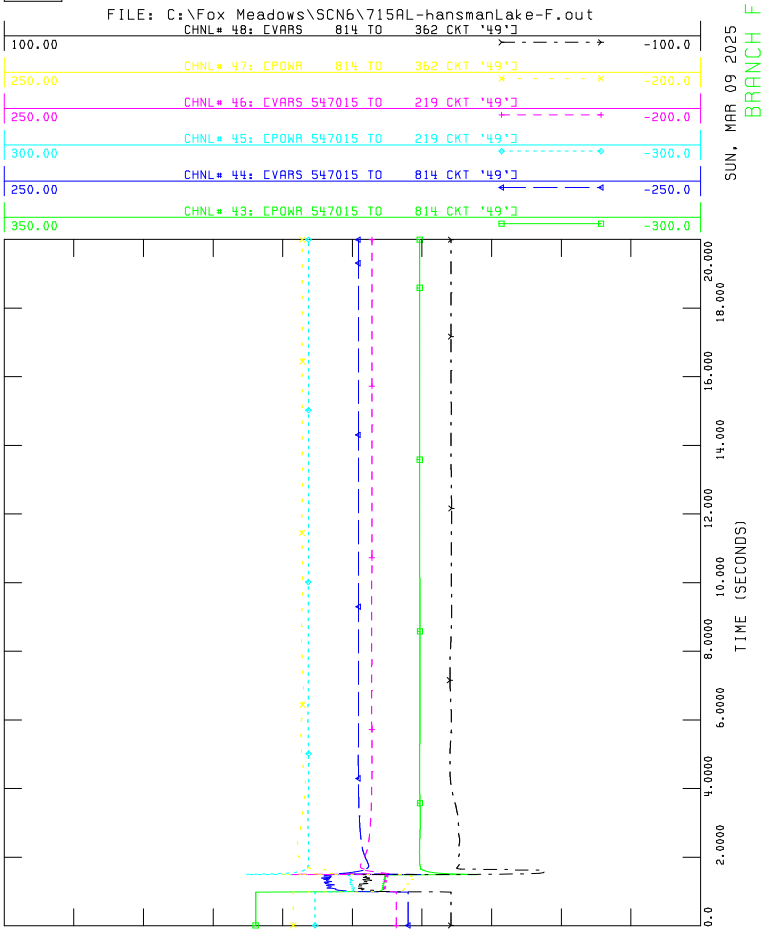
FILE: C:\Fox Meadows\SCN6\715AL-hansmanLake-F.out



SUN, MAR 09 2025 6:40
VOLTAGE

AESO ABO FOX MEADOWS-2028 SP
715L-PROVOST-FAR

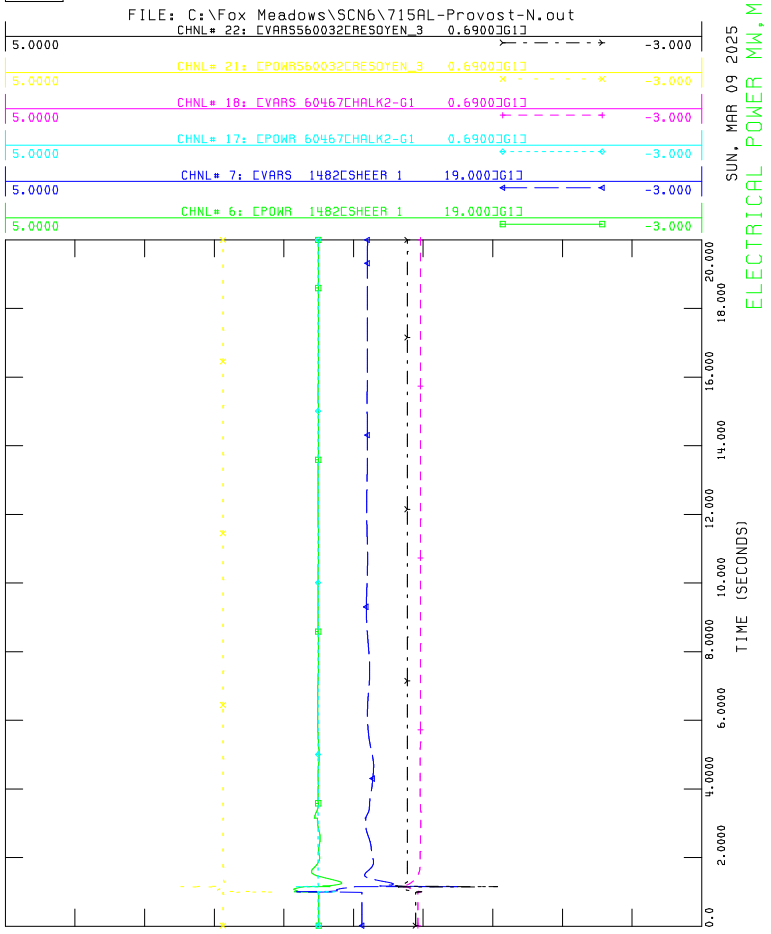
FILE: C:\Fox Meadows\SCN6\715AL-hansmanLake-F.out



SUN, MAR 09 2025 6:40
BRANCH FLOW

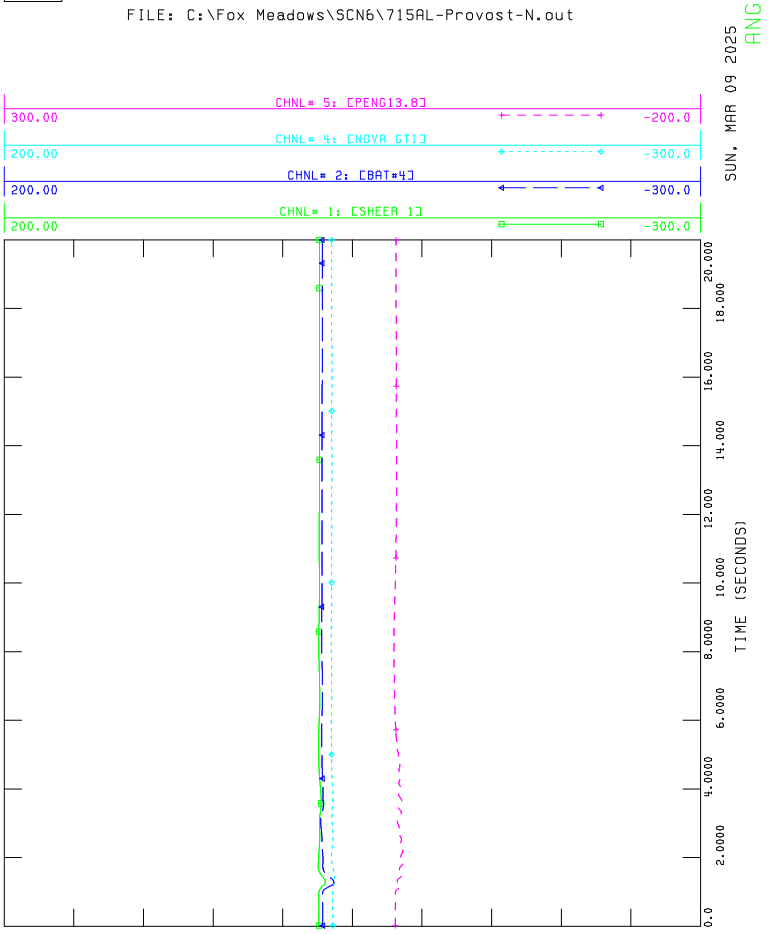
AESO ABO FOX MEADOWS-2028 SP
715L-PROVOST-NEAR

FILE: C:\Fox Meadows\SCN6\715AL-Provost-N.out



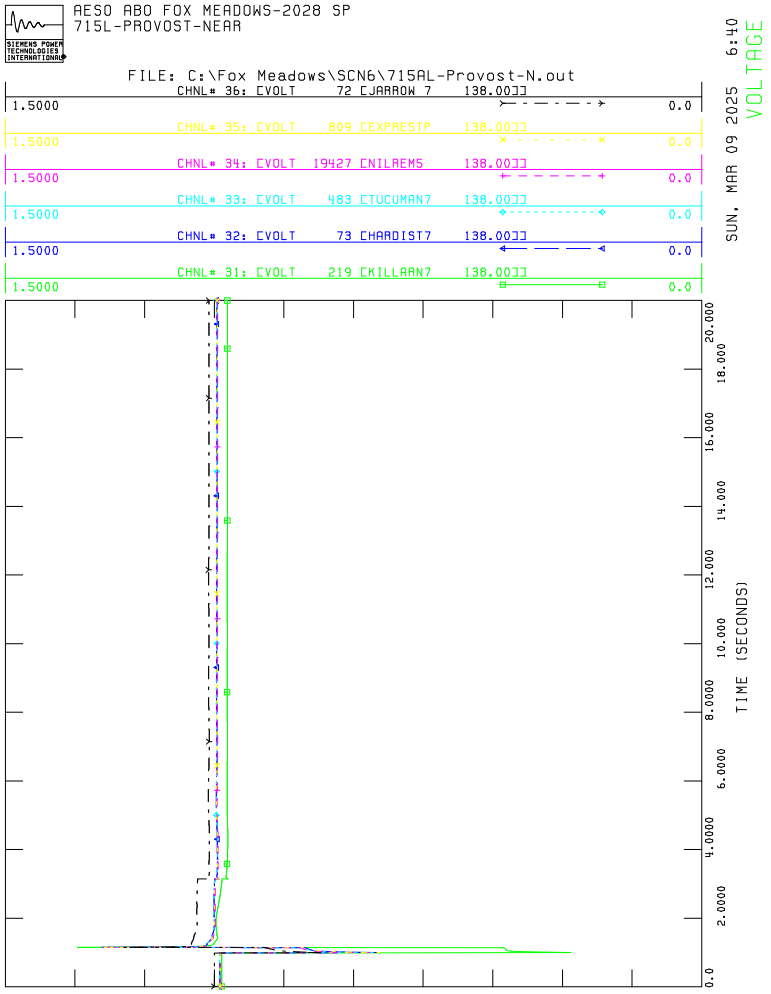
AESO ABO FOX MEADOWS-2028 SP
715L-PROVOST-NEAR

FILE: C:\Fox Meadows\SCN6\715AL-Provost-N.out



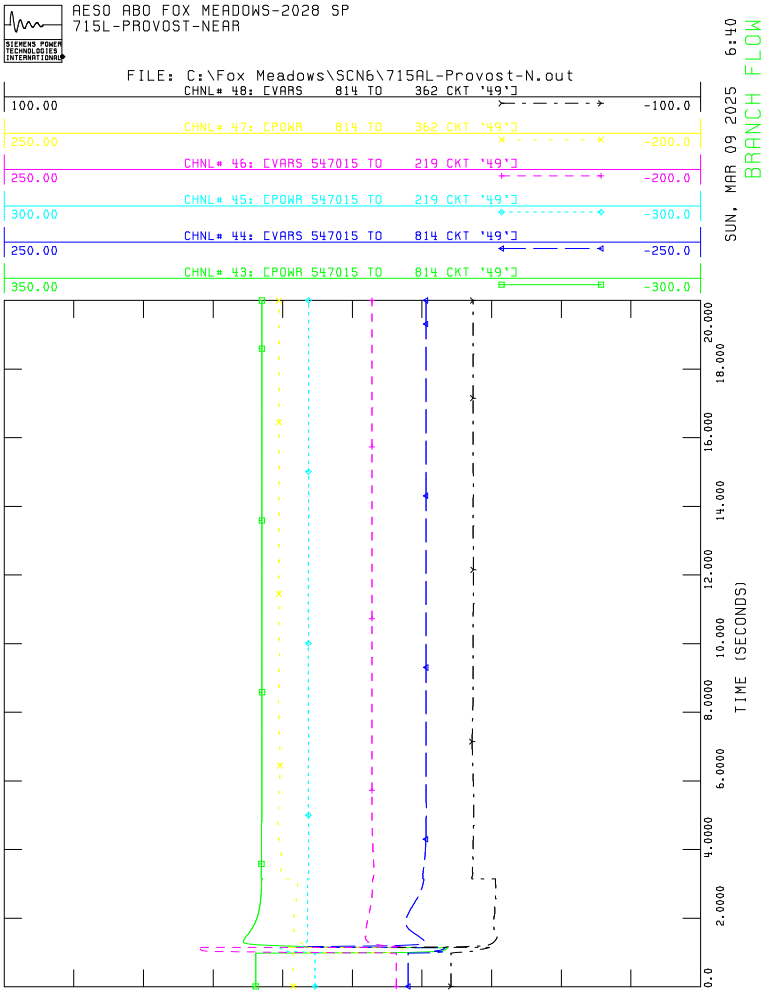
AESO ABO FOX MEADOWS-2028 SP
715L-PROVOST-NEAR

FILE: C:\Fox Meadows\SCN6\715AL-Provost-N.out



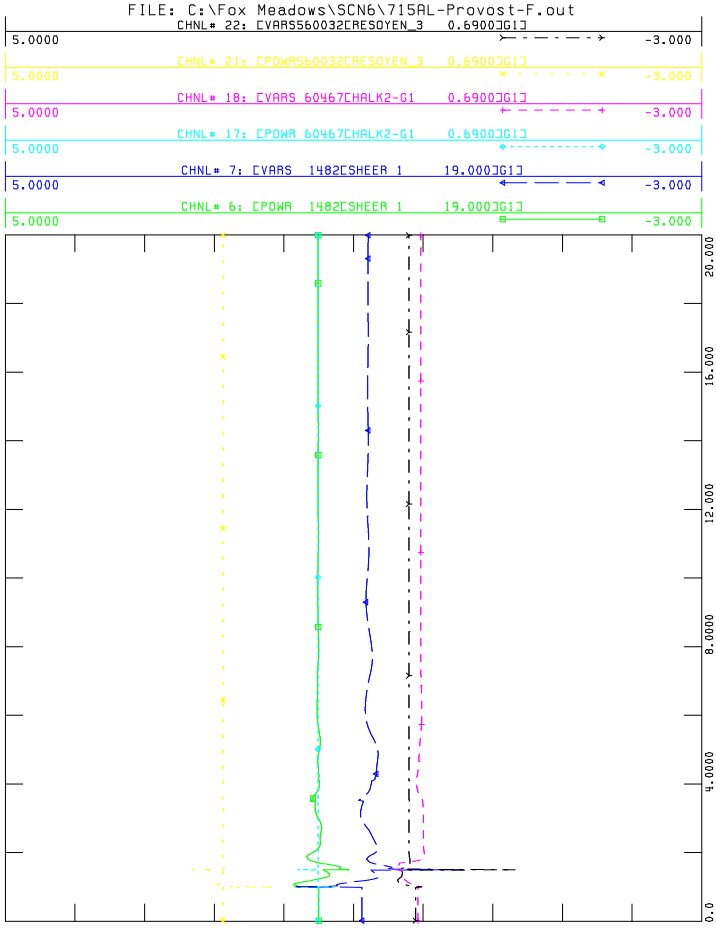
AESO ABO FOX MEADOWS-2028 SP
715L-PROVOST-NEAR

FILE: C:\Fox Meadows\SCN6\715AL-Provost-N.out



AESO ABO FOX MEADOWS-2028 SP
715L-PROVOST-FAR

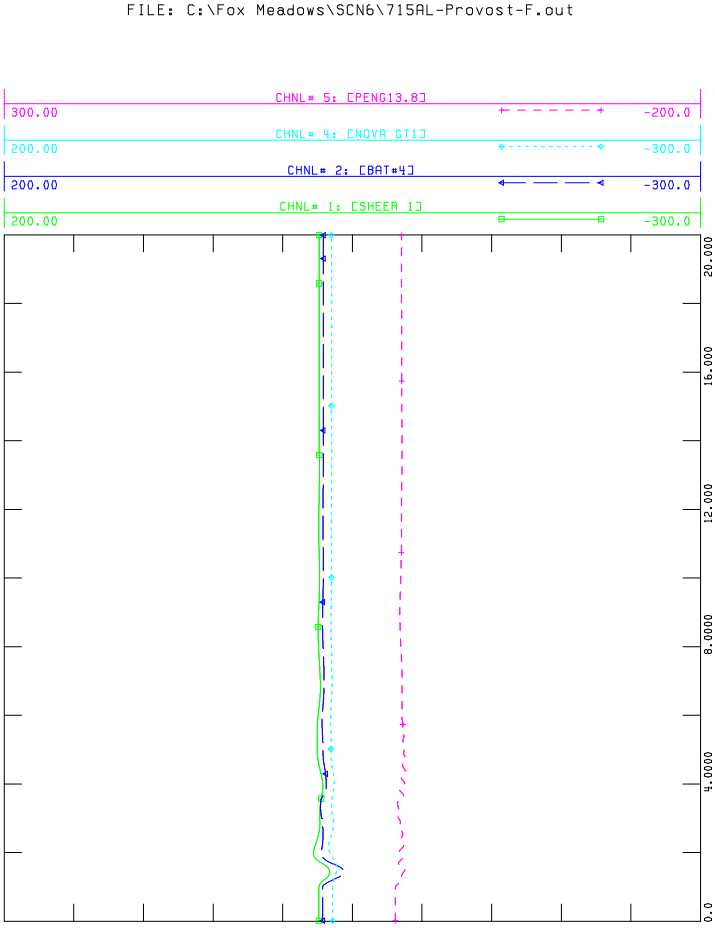
FILE: C:\Fox Meadows\SCN6\715AL-Provost-F.out



SUN, MAR 09 2025 6:40
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SP
715L-PROVOST-FAR

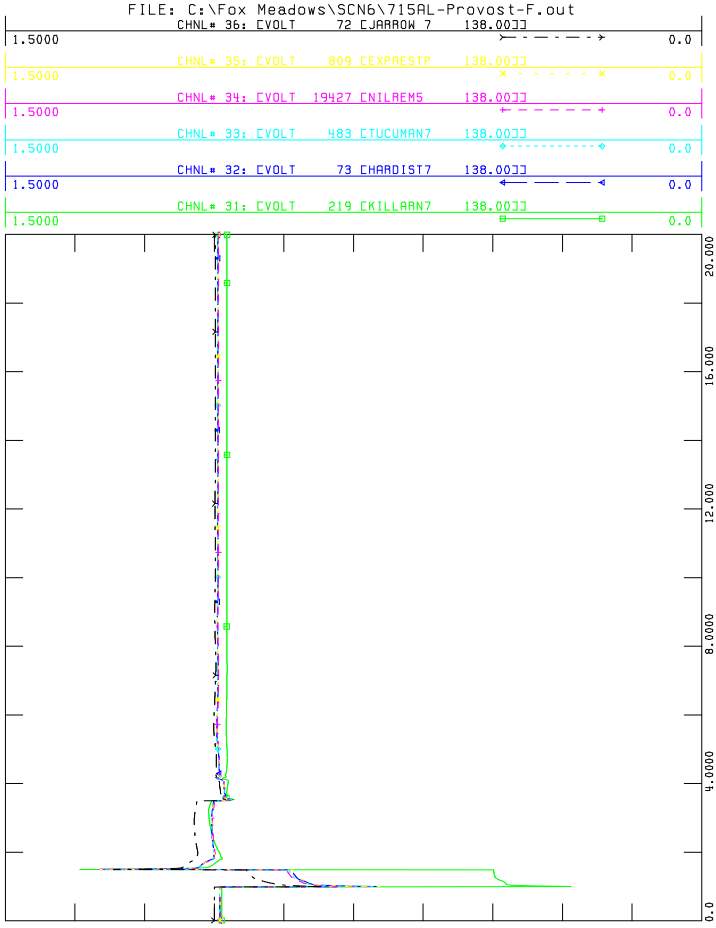
FILE: C:\Fox Meadows\SCN6\715AL-Provost-F.out



SUN, MAR 09 2025 6:40
ANGLES

AESO ABO FOX MEADOWS-2028 SP
715L-PROVOST-FAR

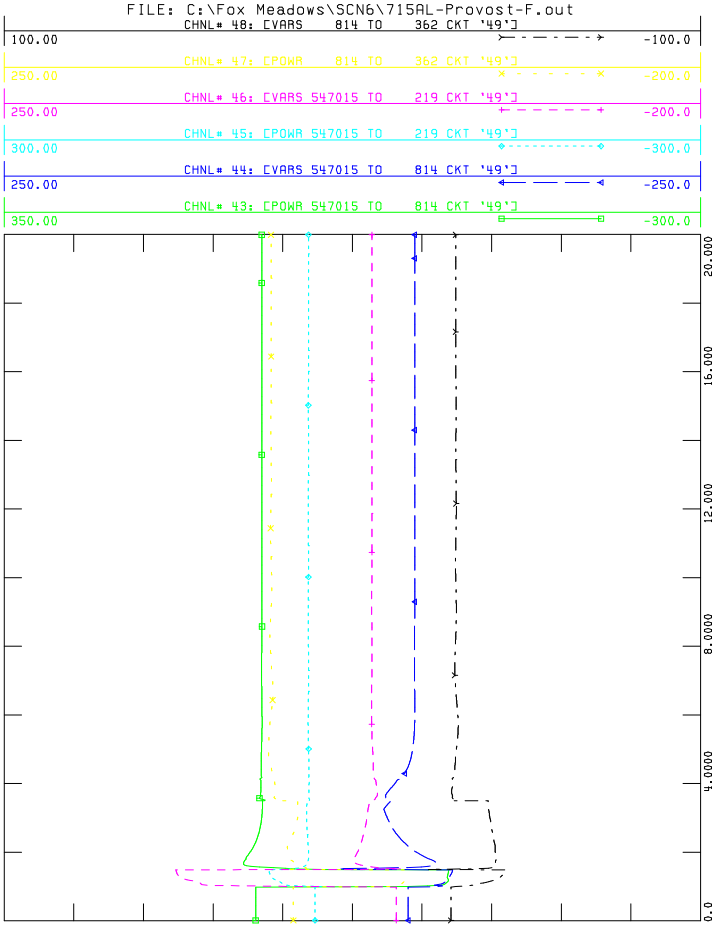
FILE: C:\Fox Meadows\SCN6\715AL-Provost-F.out



SUN, MAR 09 2025 6:40
VOLTAGE

AESO ABO FOX MEADOWS-2028 SP
715L-PROVOST-FAR

FILE: C:\Fox Meadows\SCN6\715AL-Provost-F.out



SUN, MAR 09 2025 6:40
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SP
703L-HUGHENDEN-NEAR

FILE: C:\Fox Meadows\SCN6\703L-Hughenden-N.out

SUN, MAR 09 2025 6:40

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J

5.0000 / -3.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SP
703L-HUGHENDEN-NEAR

FILE: C:\Fox Meadows\SCN6\703L-Hughenden-N.out

SUN, MAR 09 2025 6:40

ANGLES

CHNL# 5: CPENG13,8J
CHNL# 4: CNOVA GT1J
CHNL# 2: CBAT#4J
CHNL# 1: CSHEER 1J

300.00 / -200.0
200.00 / -300.0
200.00 / -300.0
200.00 / -300.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SP
703L-HUGHENDEN-NEAR

FILE: C:\Fox Meadows\SCN6\703L-Hughenden-N.out

SUN, MAR 09 2025 6:40

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ

1.5000 / 0.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SP
703L-HUGHENDEN-NEAR

FILE: C:\Fox Meadows\SCN6\703L-Hughenden-N.out

SUN, MAR 09 2025 6:40

BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J

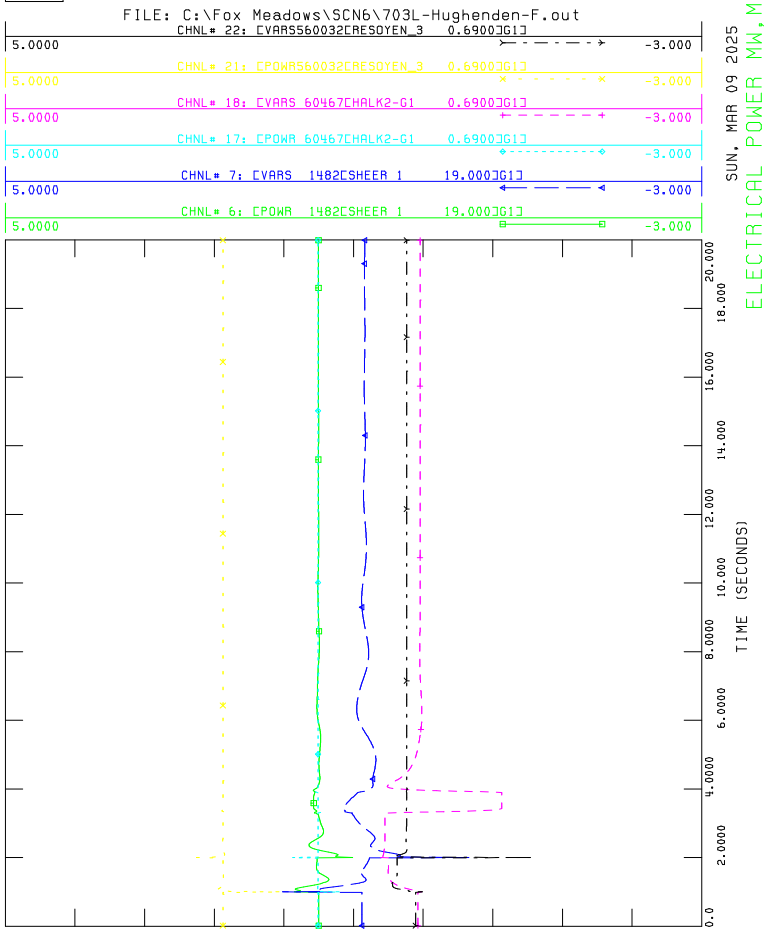
100.00 / -100.0
250.00 / -200.0
250.00 / -200.0
300.00 / -300.0
250.00 / -250.0
350.00 / -300.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 SP
703L-HUGHENDEN-FAR

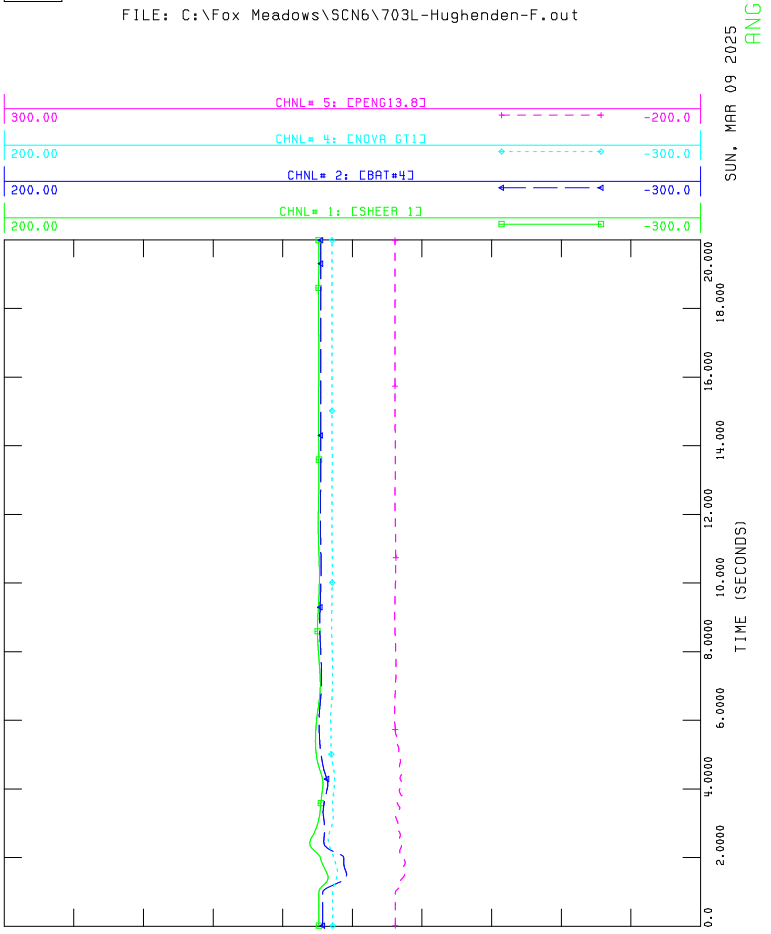
FILE: C:\Fox Meadows\SCN6\703L-Hughenden-F.out



SUN, MAR 09 2025 6:40
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SP
703L-HUGHENDEN-FAR

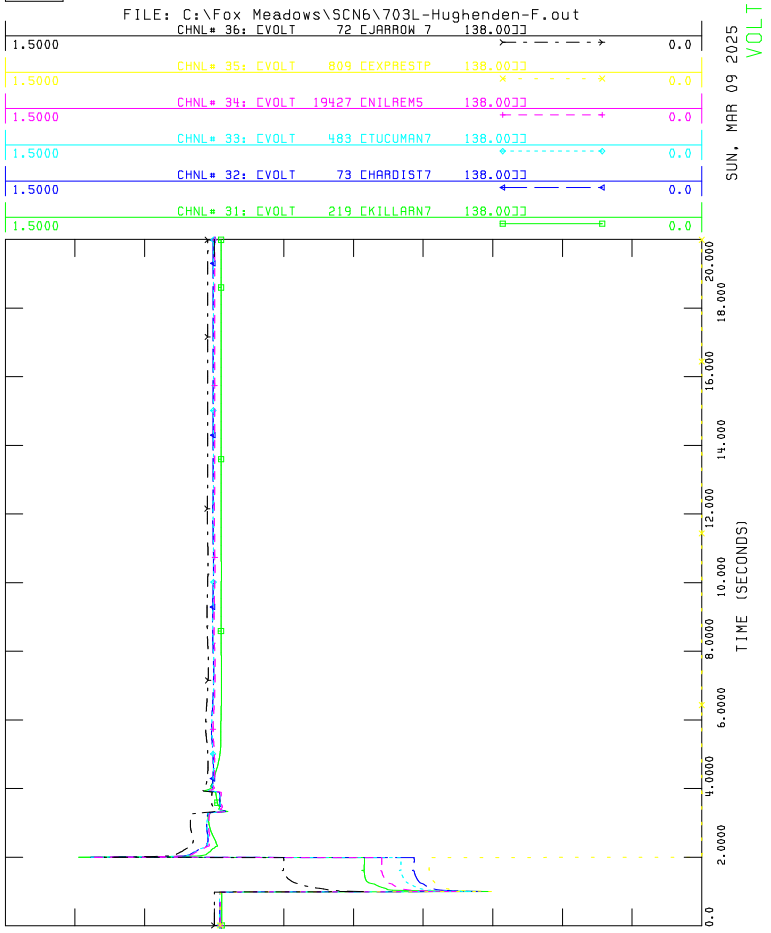
FILE: C:\Fox Meadows\SCN6\703L-Hughenden-F.out



SUN, MAR 09 2025 6:40
ANGLES

AESO ABO FOX MEADOWS-2028 SP
703L-HUGHENDEN-FAR

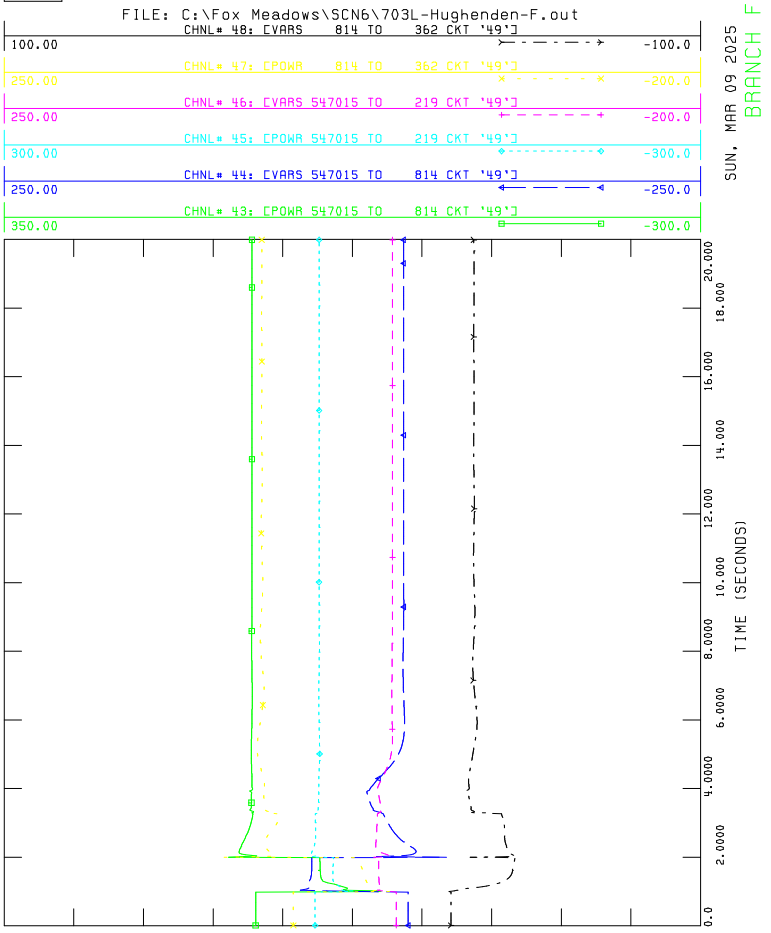
FILE: C:\Fox Meadows\SCN6\703L-Hughenden-F.out



SUN, MAR 09 2025 6:40
VOLTAGE

AESO ABO FOX MEADOWS-2028 SP
703L-HUGHENDEN-FAR

FILE: C:\Fox Meadows\SCN6\703L-Hughenden-F.out



SUN, MAR 09 2025 6:40
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SP
703L-HARDISTY-NEAR

FILE: C:\Fox Meadows\SCN6\703L-Hardisty-N.out

SUN, MAR 09 2025 6:40

ELECTRICAL POWER MW, MVAR

CHNL# 22: EVARS560032ERESOYEN_3 0.6900JG1J
CHNL# 21: EPOWR560032ERESOYEN_3 0.6900JG1J
CHNL# 18: EVARS 60467ECHALK2-G1 0.6900JG1J
CHNL# 17: EPOWR 60467ECHALK2-G1 0.6900JG1J
CHNL# 7: EVARS 1482ESHEER 1 19.000JG1J
CHNL# 6: EPOWR 1482ESHEER 1 19.000JG1J

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
703L-HARDISTY-NEAR

FILE: C:\Fox Meadows\SCN6\703L-Hardisty-N.out

SUN, MAR 09 2025 6:40

ANGLES

CHNL# 5: EPENG13.8J
CHNL# 4: ENOVA GT1J
CHNL# 2: EBAT#4J
CHNL# 1: ESHEER 1J

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
703L-HARDISTY-NEAR

FILE: C:\Fox Meadows\SCN6\703L-Hardisty-N.out

SUN, MAR 09 2025 6:40

VOLTAGE

CHNL# 36: EVOLT 72 EJARROW 7 138.00JJ
CHNL# 35: EVOLT 809 EEXPRESTP 138.00JJ
CHNL# 34: EVOLT 19427 ENILAEM5 138.00JJ
CHNL# 33: EVOLT 483 ETUCUMAN7 138.00JJ
CHNL# 32: EVOLT 73 EHARDIST7 138.00JJ
CHNL# 31: EVOLT 219 EKILLARN7 138.00JJ

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
703L-HARDISTY-NEAR

FILE: C:\Fox Meadows\SCN6\703L-Hardisty-N.out

SUN, MAR 09 2025 6:40

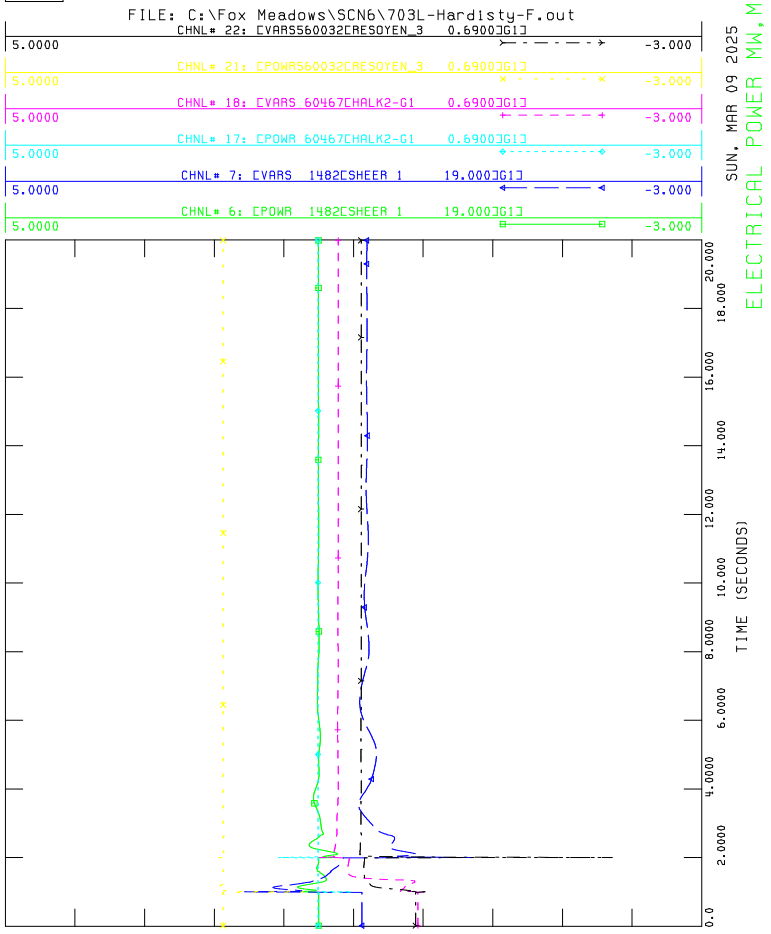
BRANCH FLOW

CHNL# 48: EVARS 814 TO 362 CKT '49'J
CHNL# 47: EPOWR 814 TO 362 CKT '49'J
CHNL# 46: EVARS 547015 TO 219 CKT '49'J
CHNL# 45: EPOWR 547015 TO 219 CKT '49'J
CHNL# 44: EVARS 547015 TO 814 CKT '49'J
CHNL# 43: EPOWR 547015 TO 814 CKT '49'J

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 SP
703L-HARDISTY-FAR

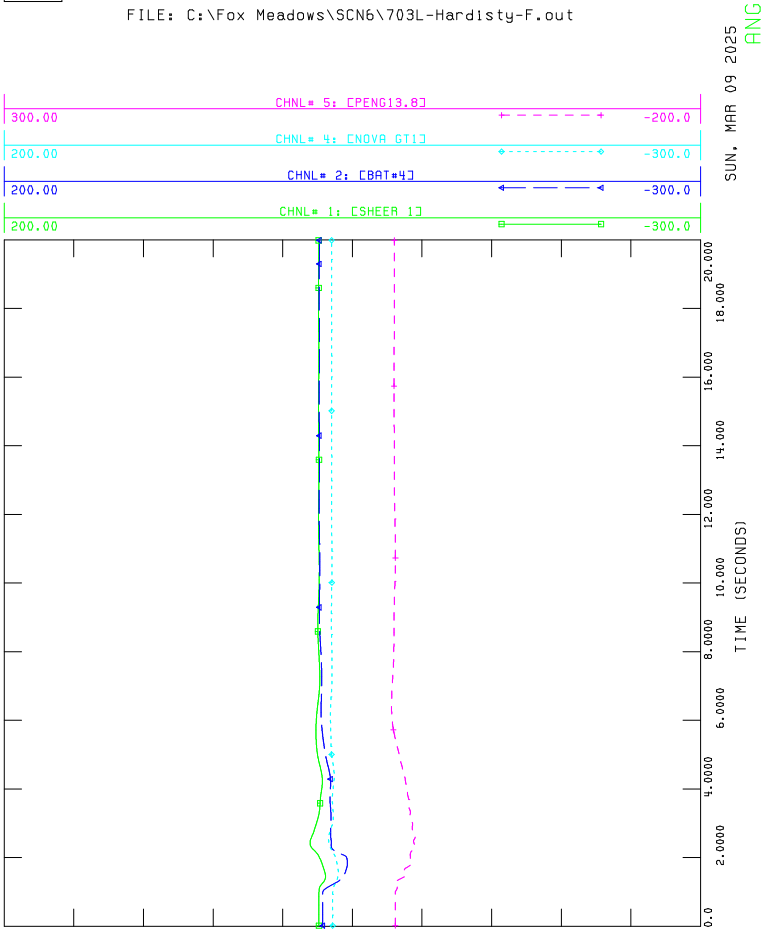
FILE: C:\Fox Meadows\SCN6\703L-Hardisty-F.out



SUN, MAR 09 2025 6:40 ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SP
703L-HARDISTY-FAR

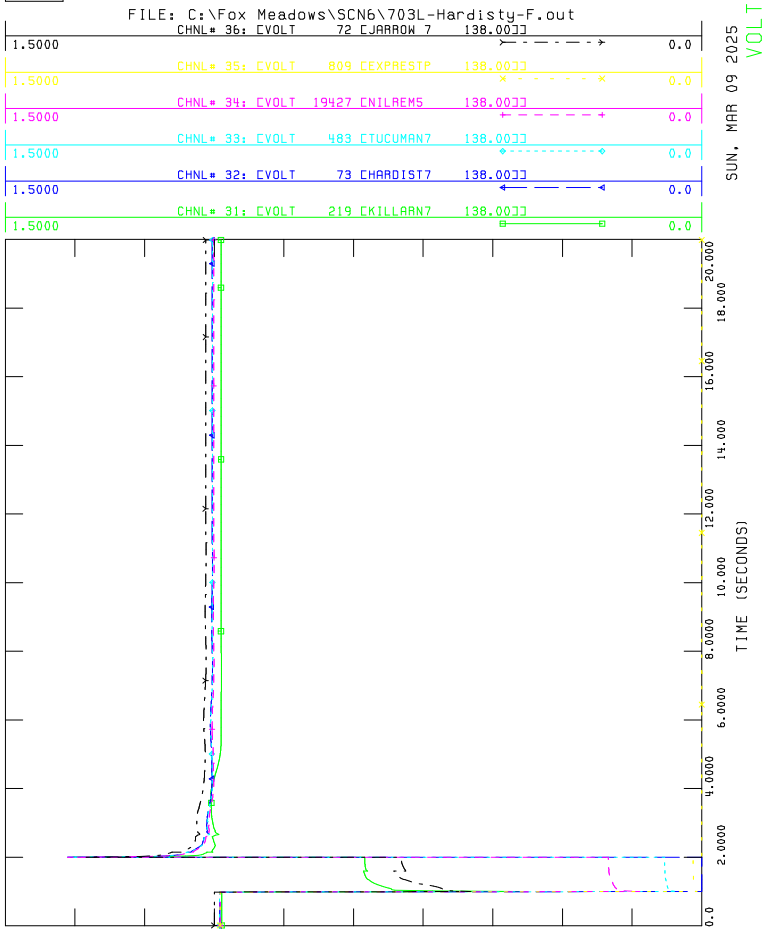
FILE: C:\Fox Meadows\SCN6\703L-Hardisty-F.out



SUN, MAR 09 2025 6:40 ANGLES

AESO ABO FOX MEADOWS-2028 SP
703L-HARDISTY-FAR

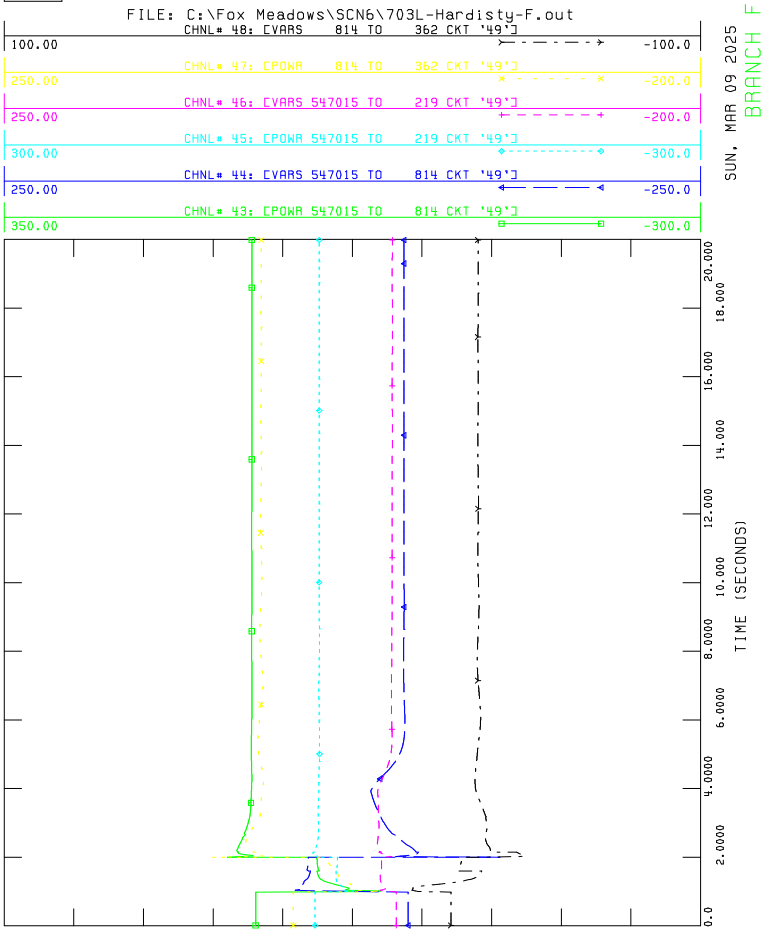
FILE: C:\Fox Meadows\SCN6\703L-Hardisty-F.out



SUN, MAR 09 2025 6:40 VOLTAGE

AESO ABO FOX MEADOWS-2028 SP
703L-HARDISTY-FAR

FILE: C:\Fox Meadows\SCN6\703L-Hardisty-F.out



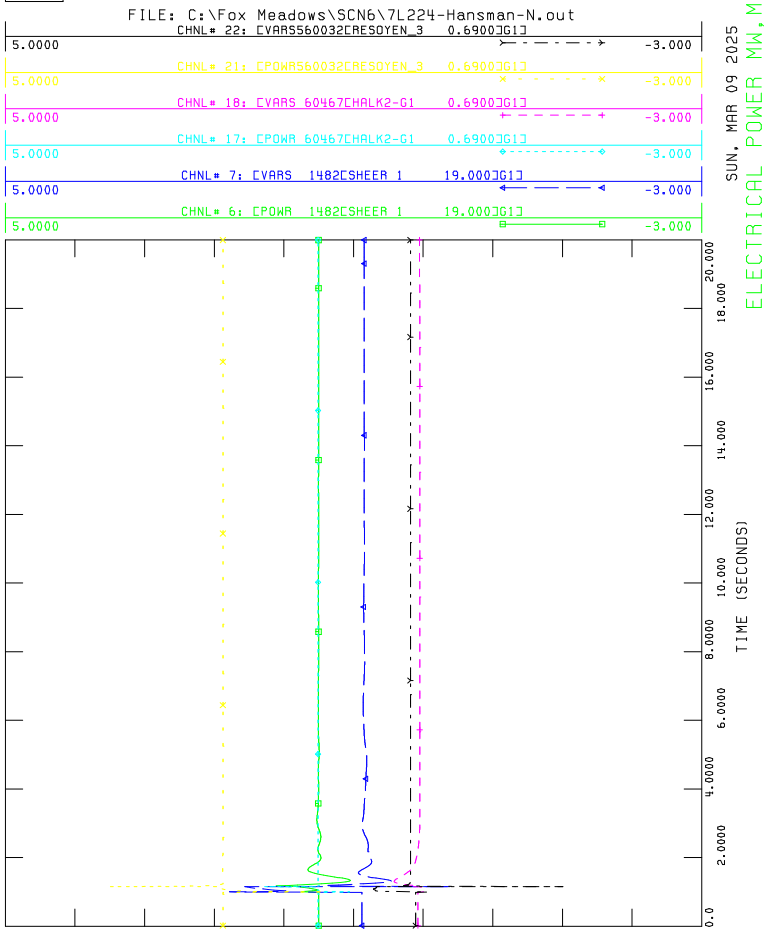
SUN, MAR 09 2025 6:40 BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SP
7L224-HANSMAN-NEAR

FILE: C:\Fox Meadows\SCN6\7L224-Hansman-N.out

SUN, MAR 09 2025 6:40

ELECTRICAL POWER MW, MVAR

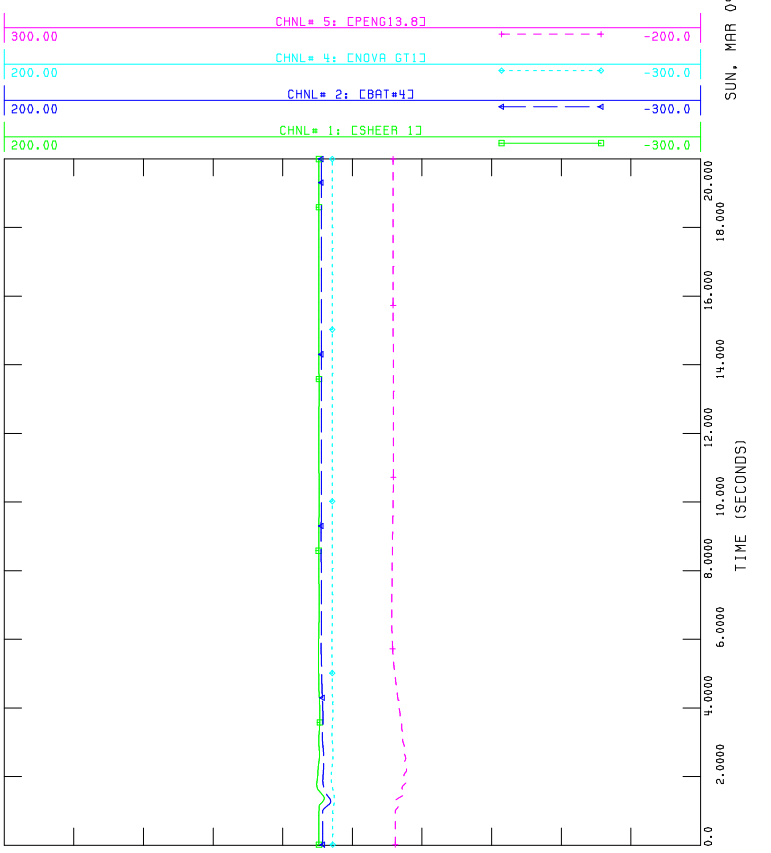


AESO ABO FOX MEADOWS-2028 SP
7L224-HANSMAN-NEAR

FILE: C:\Fox Meadows\SCN6\7L224-Hansman-N.out

SUN, MAR 09 2025 6:40

ANGLES

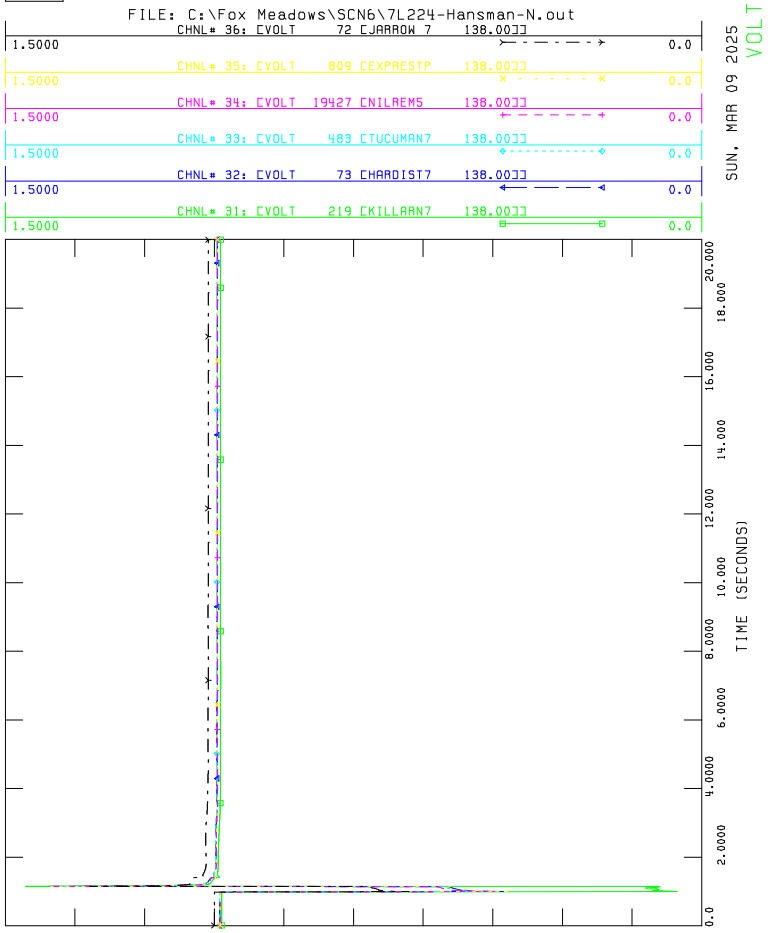


AESO ABO FOX MEADOWS-2028 SP
7L224-HANSMAN-NEAR

FILE: C:\Fox Meadows\SCN6\7L224-Hansman-N.out

SUN, MAR 09 2025 6:40

VOLTAGE

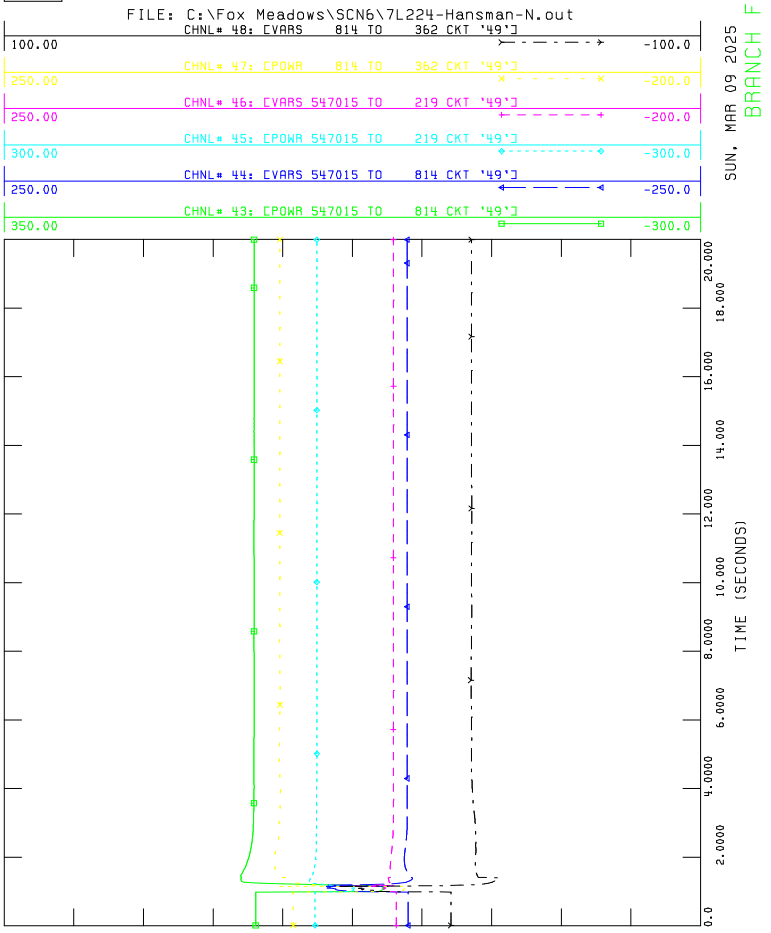


AESO ABO FOX MEADOWS-2028 SP
7L224-HANSMAN-NEAR

FILE: C:\Fox Meadows\SCN6\7L224-Hansman-N.out

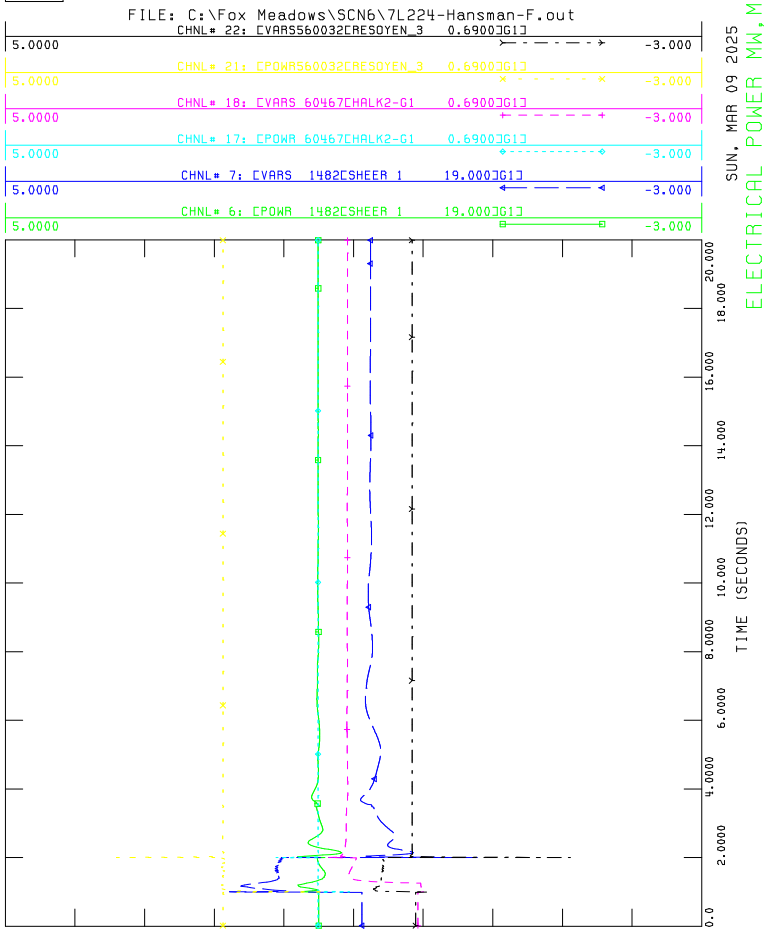
SUN, MAR 09 2025 6:40

BRANCH FLOW



AESO ABO FOX MEADOWS-2028 SP
7L224-HANSMAN-FAR

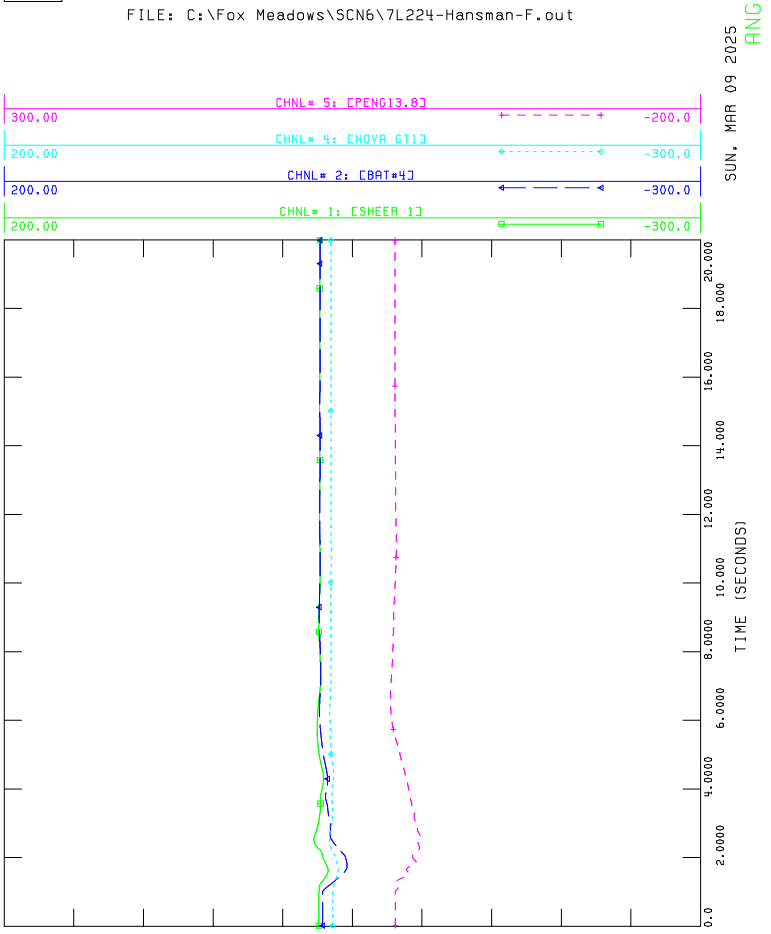
FILE: C:\Fox Meadows\SCN6\7L224-Hansman-F.out



SUN, MAR 09 2025 6:40
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SP
7L224-HANSMAN-FAR

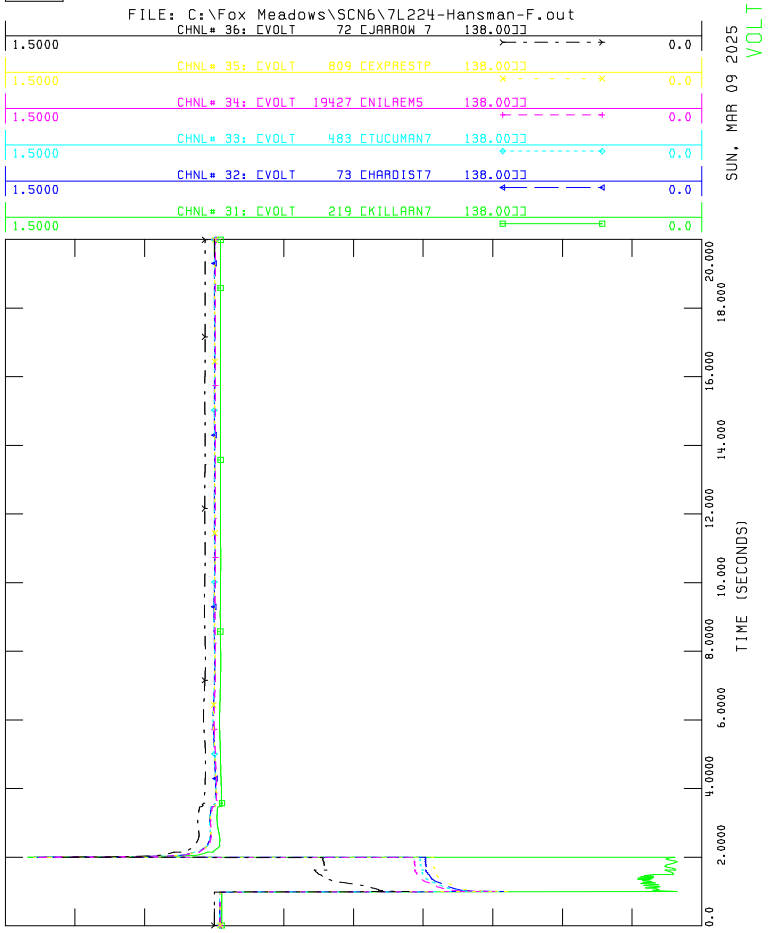
FILE: C:\Fox Meadows\SCN6\7L224-Hansman-F.out



SUN, MAR 09 2025 6:40
ANGLES

AESO ABO FOX MEADOWS-2028 SP
7L224-HANSMAN-FAR

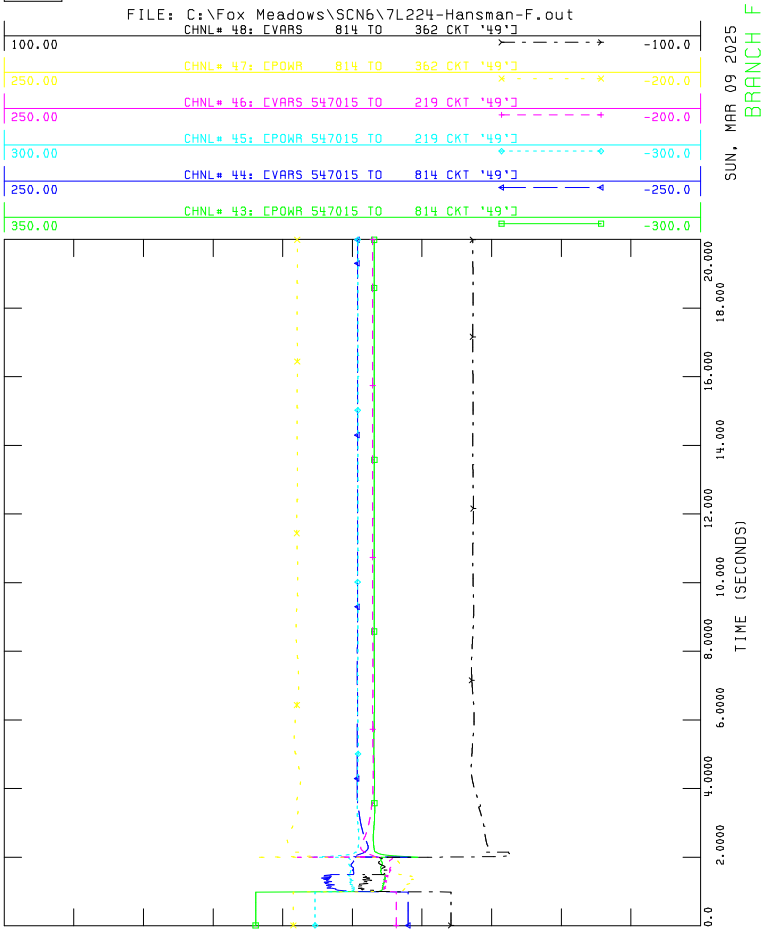
FILE: C:\Fox Meadows\SCN6\7L224-Hansman-F.out



SUN, MAR 09 2025 6:40
VOLTAGE

AESO ABO FOX MEADOWS-2028 SP
7L224-HANSMAN-FAR

FILE: C:\Fox Meadows\SCN6\7L224-Hansman-F.out



SUN, MAR 09 2025 6:40
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SP
7L224-MONITOR-NEAR

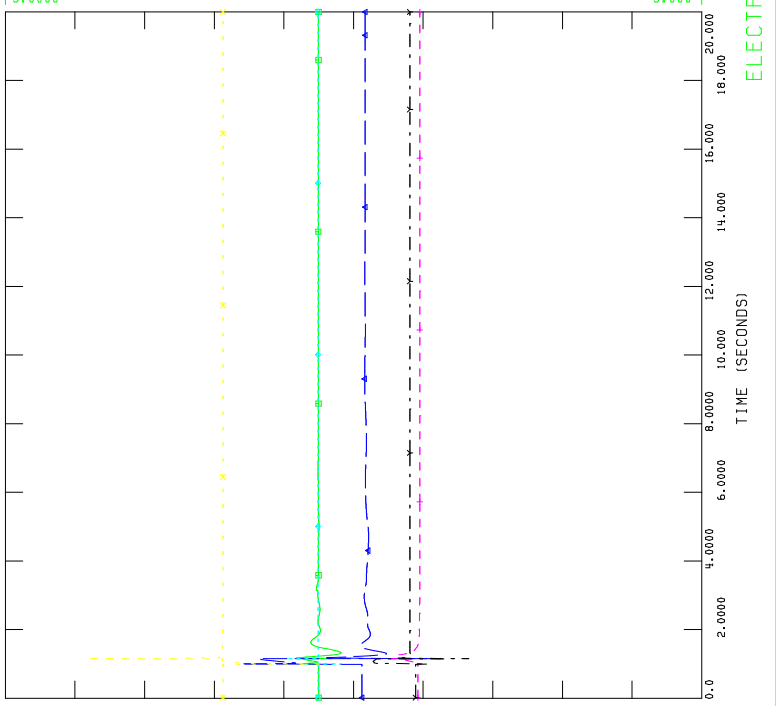
FILE: C:\Fox Meadows\SCN6\7L224-Monitor-N.out

SUN, MAR 09 2025 6:40

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
5.0000 -3.000
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
5.0000 -3.000

TIME (SECONDS)



AESO ABO FOX MEADOWS-2028 SP
7L224-MONITOR-NEAR

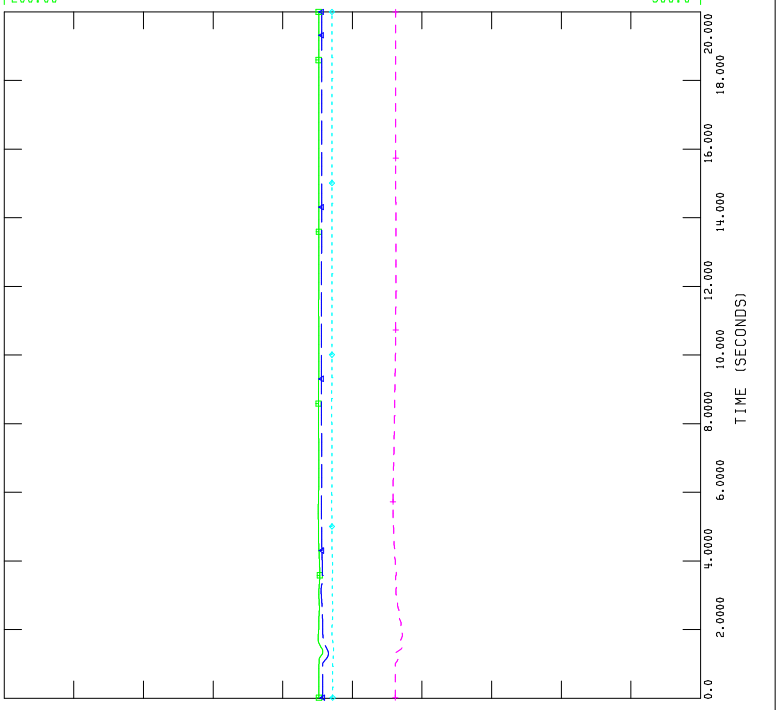
FILE: C:\Fox Meadows\SCN6\7L224-Monitor-N.out

SUN, MAR 09 2025 6:40

ANGLES

CHNL# 5: CPENG13.8J
300.00 -200.0
CHNL# 4: CNOVA GT1J
200.00 -300.0
CHNL# 2: CBAT#4J
200.00 -300.0
CHNL# 1: CSHEER 1J
200.00 -300.0

TIME (SECONDS)



AESO ABO FOX MEADOWS-2028 SP
7L224-MONITOR-NEAR

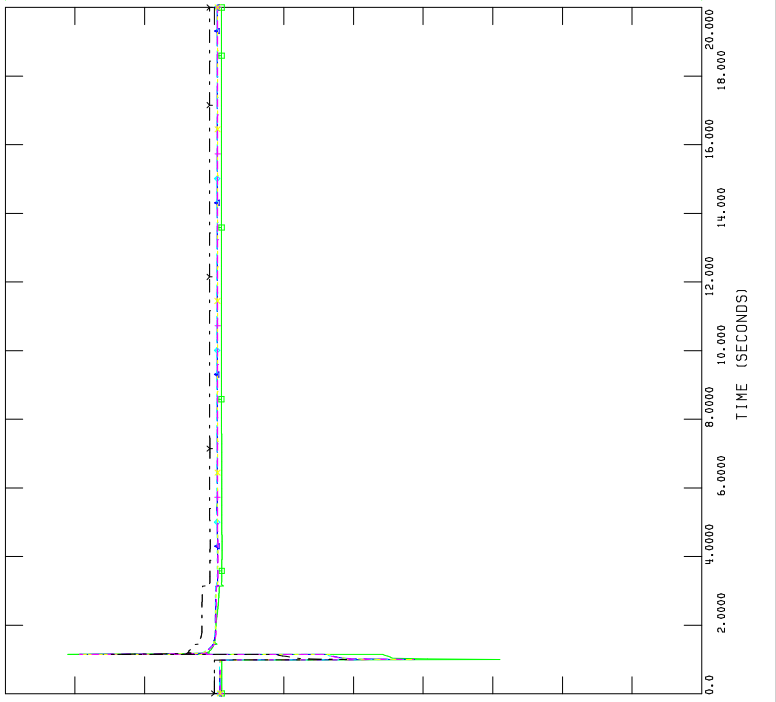
FILE: C:\Fox Meadows\SCN6\7L224-Monitor-N.out

SUN, MAR 09 2025 6:40

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
1.5000 0.0
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
1.5000 0.0
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
1.5000 0.0
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
1.5000 0.0
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
1.5000 0.0
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ
1.5000 0.0

TIME (SECONDS)



AESO ABO FOX MEADOWS-2028 SP
7L224-MONITOR-NEAR

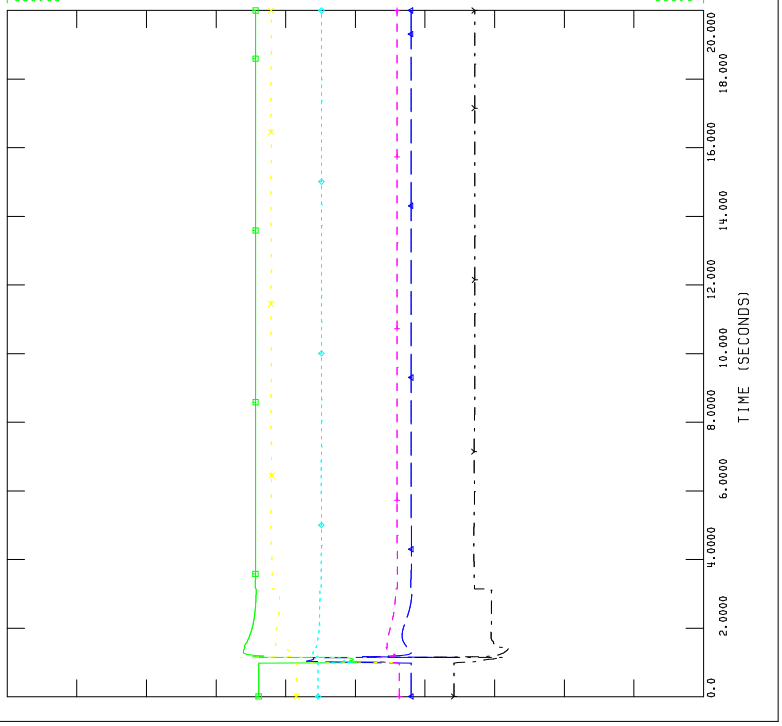
FILE: C:\Fox Meadows\SCN6\7L224-Monitor-N.out

SUN, MAR 09 2025 6:40

BRANCH FLOW

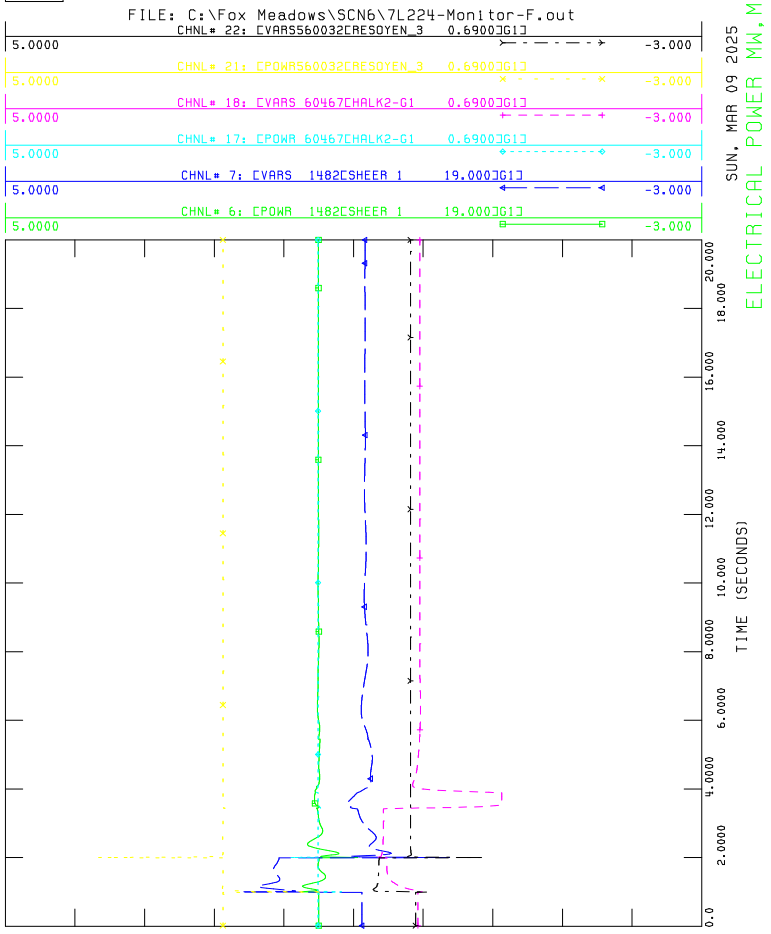
CHNL# 48: CVARS 814 TO 362 CKT '49'J
100.00 -100.0
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
300.00 -300.0
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
350.00 -300.0

TIME (SECONDS)



AESO ABO FOX MEADOWS-2028 SP
7L224-MONITOR-FAR

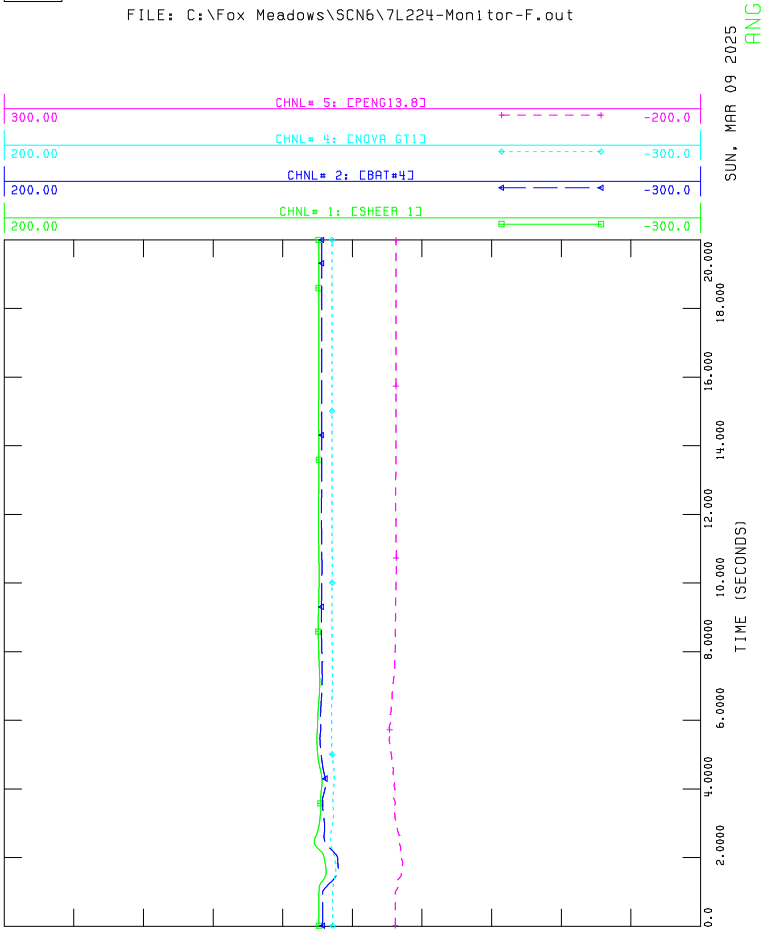
FILE: C:\Fox Meadows\SCN6\7L224-Monitor-F.out



SUN, MAR 09 2025 6:41
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SP
7L224-MONITOR-FAR

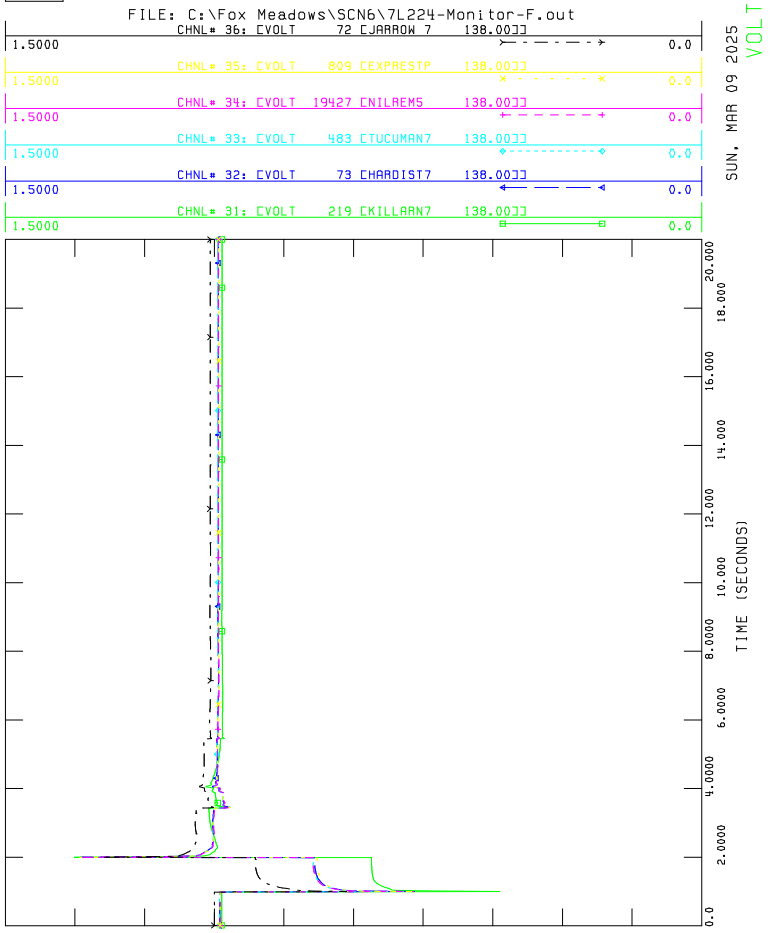
FILE: C:\Fox Meadows\SCN6\7L224-Monitor-F.out



SUN, MAR 09 2025 6:41
ANGLES

AESO ABO FOX MEADOWS-2028 SP
7L224-MONITOR-FAR

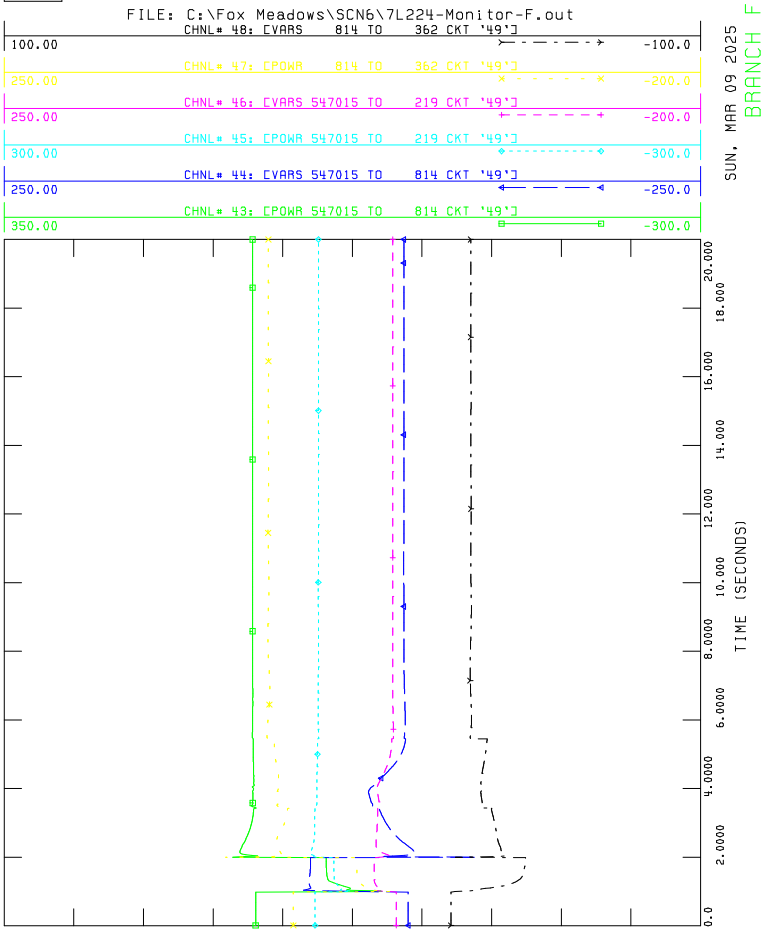
FILE: C:\Fox Meadows\SCN6\7L224-Monitor-F.out



SUN, MAR 09 2025 6:41
VOLTAGE

AESO ABO FOX MEADOWS-2028 SP
7L224-MONITOR-FAR

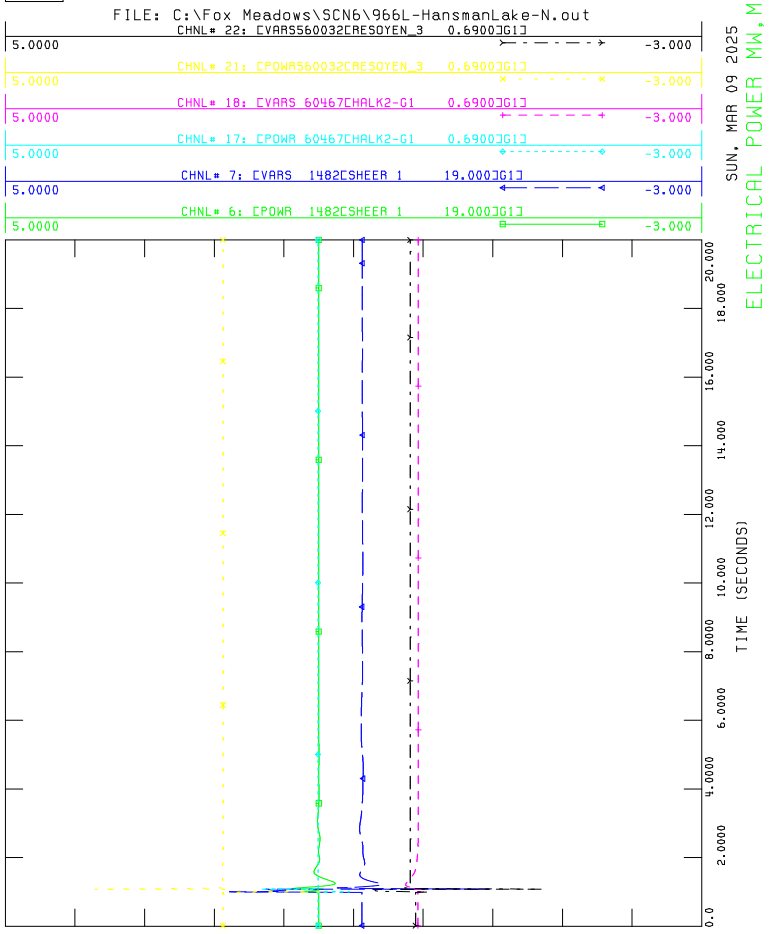
FILE: C:\Fox Meadows\SCN6\7L224-Monitor-F.out



SUN, MAR 09 2025 6:41
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SP
966L-HANSMAN-NEAR

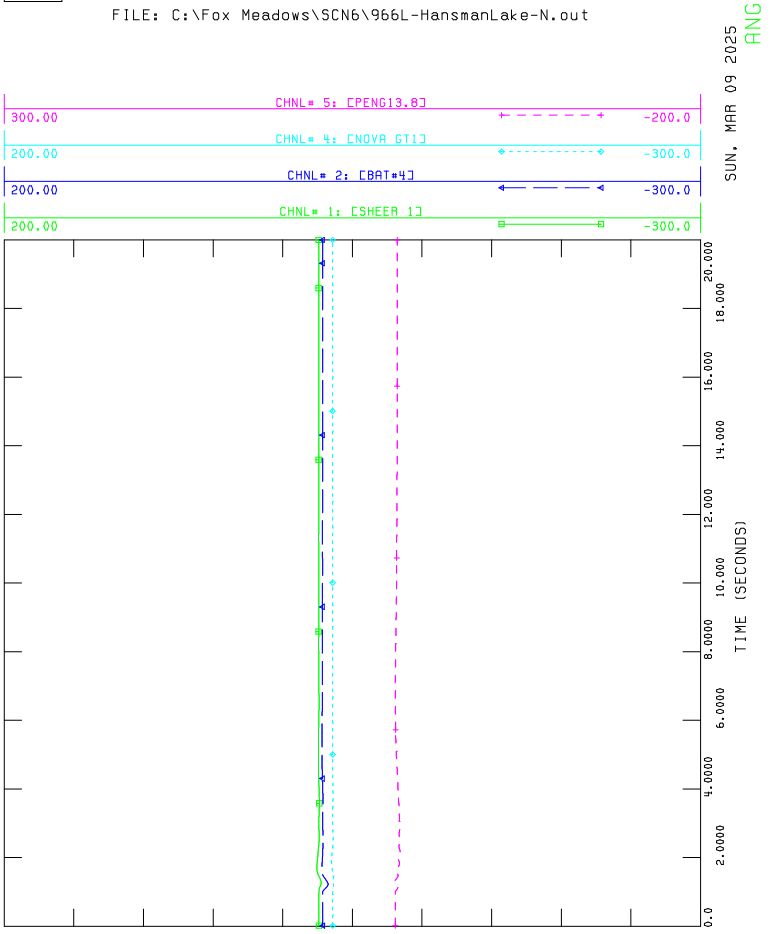
FILE: C:\Fox Meadows\SCN6\966L-HansmanLake-N.out



SUN, MAR 09 2025 6:41
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SP
966L-HANSMAN-NEAR

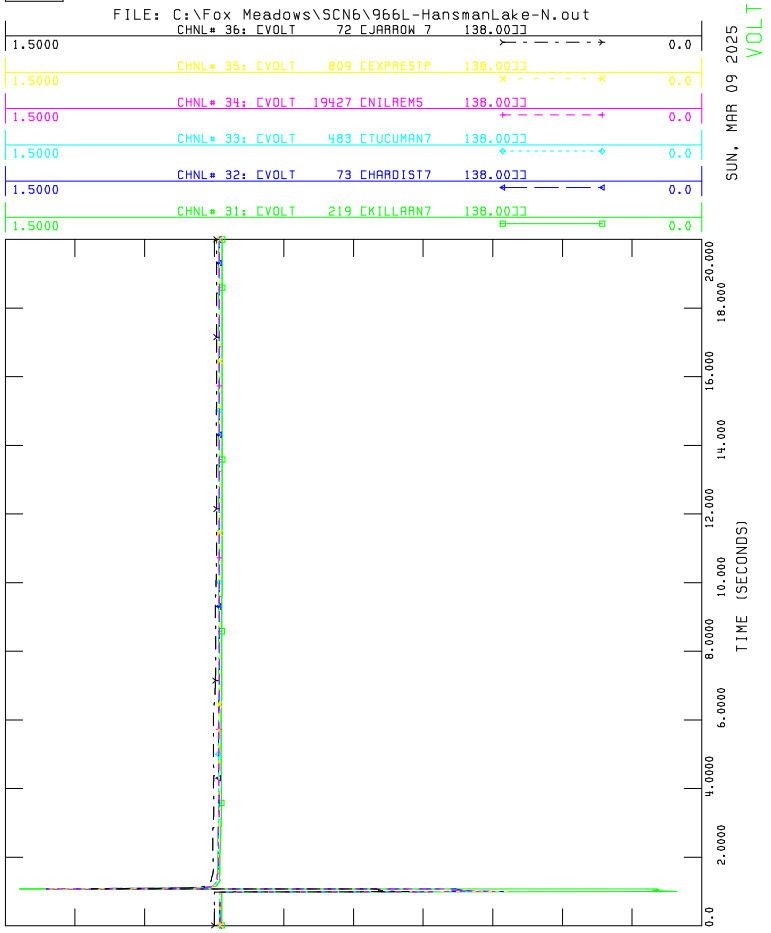
FILE: C:\Fox Meadows\SCN6\966L-HansmanLake-N.out



SUN, MAR 09 2025 6:41
ANGLES

AESO ABO FOX MEADOWS-2028 SP
966L-HANSMAN-NEAR

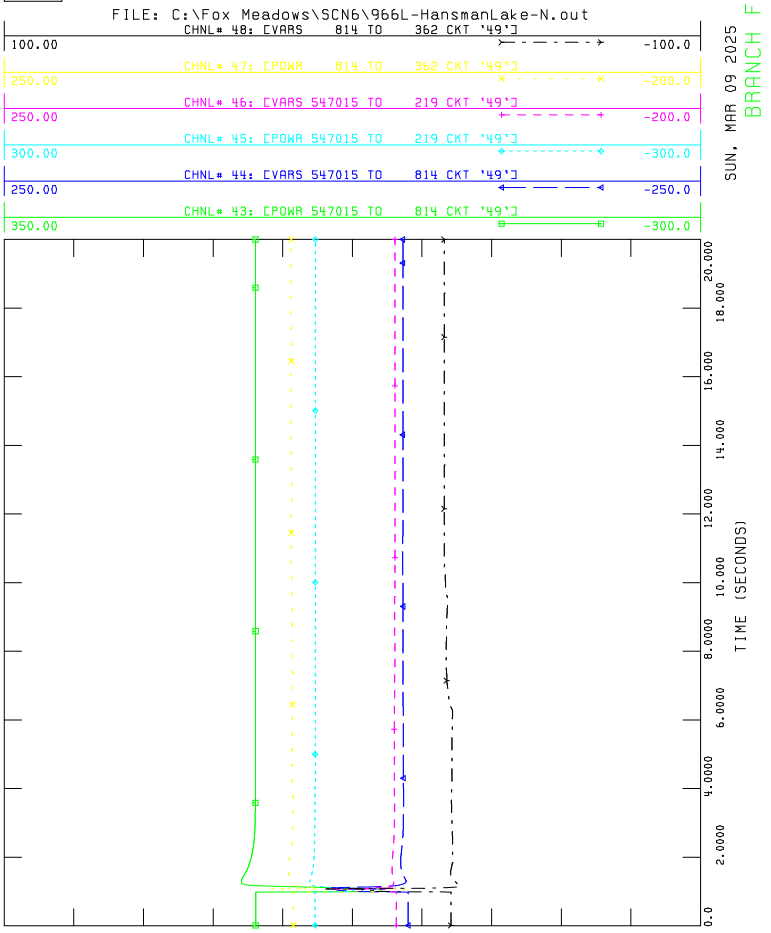
FILE: C:\Fox Meadows\SCN6\966L-HansmanLake-N.out



SUN, MAR 09 2025 6:41
VOLTAGE

AESO ABO FOX MEADOWS-2028 SP
966L-HANSMAN-NEAR

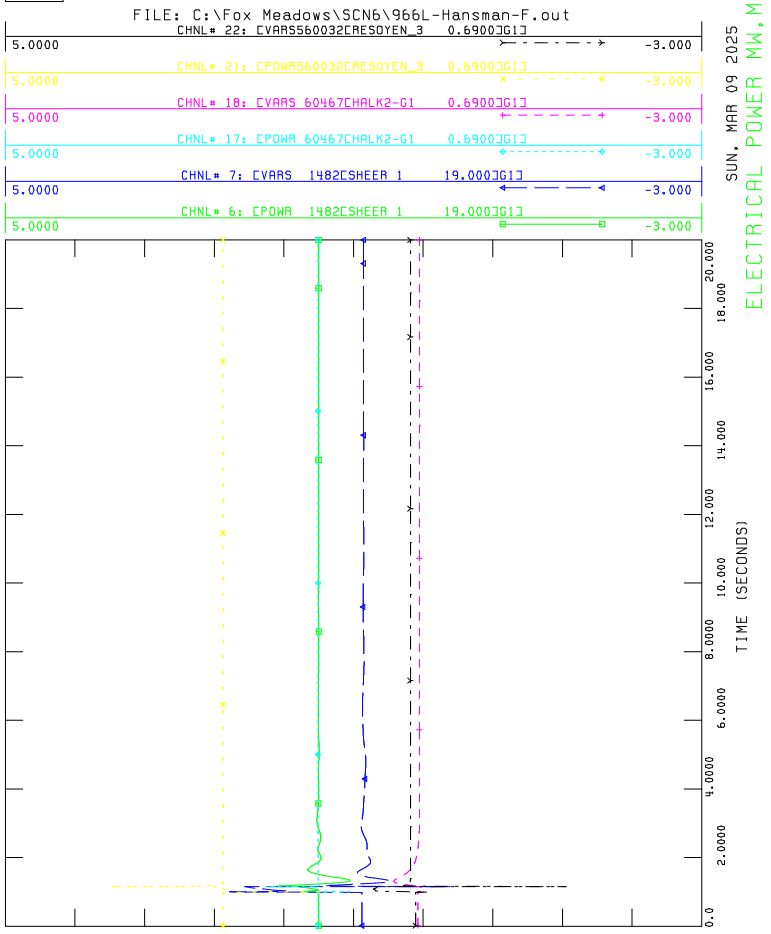
FILE: C:\Fox Meadows\SCN6\966L-HansmanLake-N.out



SUN, MAR 09 2025 6:41
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SP
966L-HANSMAN-FAR

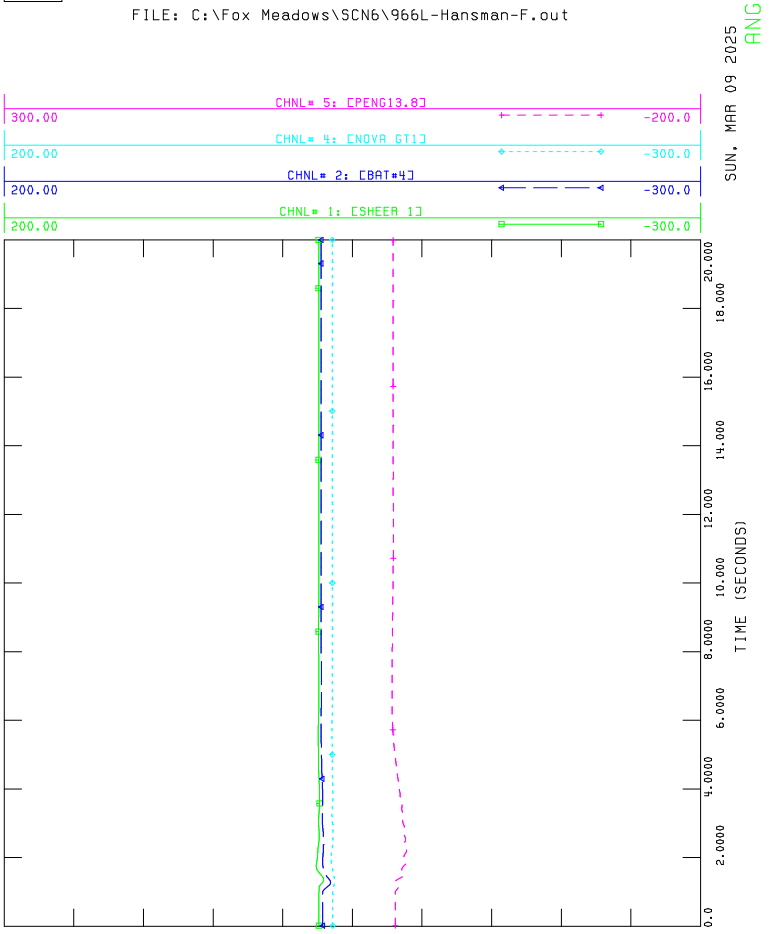
FILE: C:\Fox Meadows\SCN6\966L-Hansman-F.out



SUN, MAR 09 2025 6:41
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SP
966L-HANSMAN-FAR

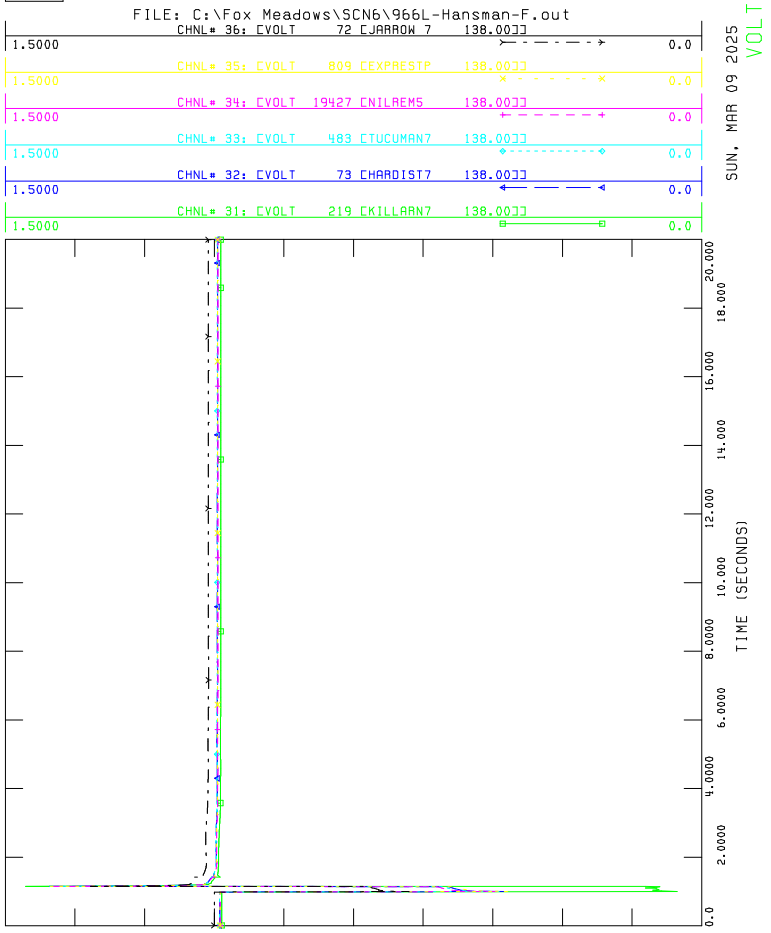
FILE: C:\Fox Meadows\SCN6\966L-Hansman-F.out



SUN, MAR 09 2025 6:41
ANGLES

AESO ABO FOX MEADOWS-2028 SP
966L-HANSMAN-FAR

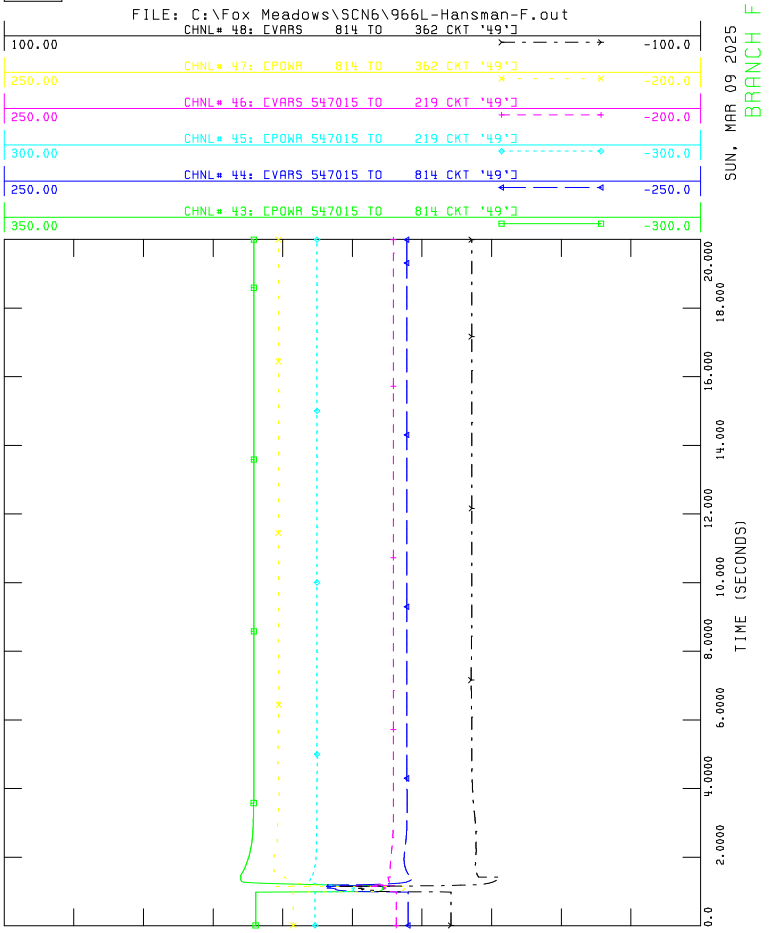
FILE: C:\Fox Meadows\SCN6\966L-Hansman-F.out



SUN, MAR 09 2025 6:41
VOLTAGE

AESO ABO FOX MEADOWS-2028 SP
966L-HANSMAN-FAR

FILE: C:\Fox Meadows\SCN6\966L-Hansman-F.out



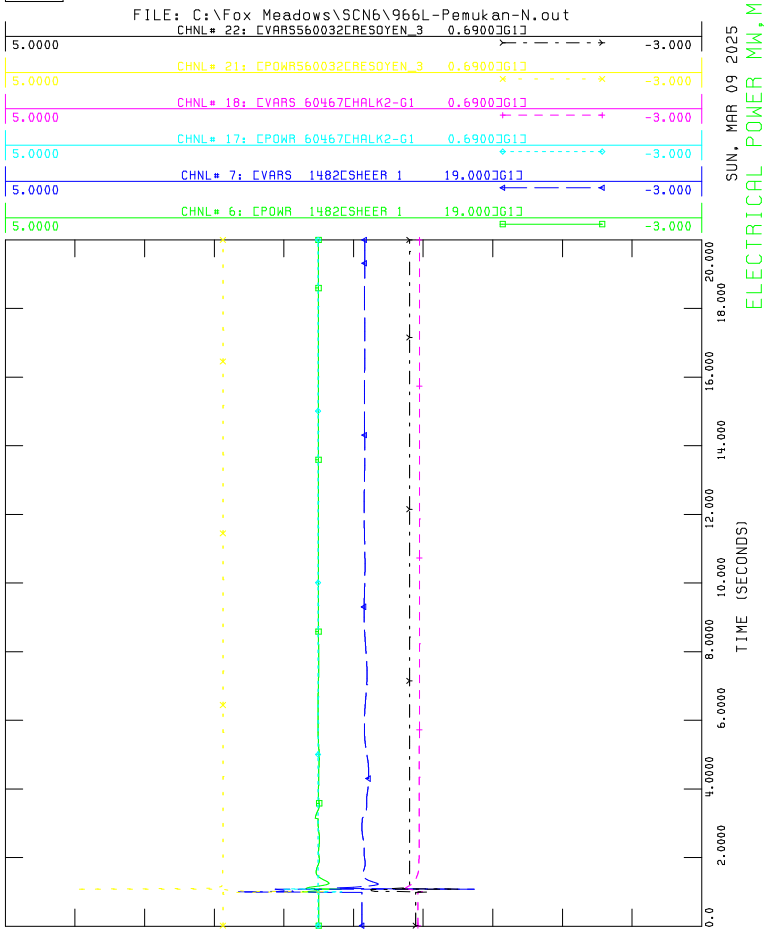
SUN, MAR 09 2025 6:41
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 SP
966L-PEMUKAN-NEAR

FILE: C:\Fox Meadows\SCN6\966L-Pemukan-N.out

SUN, MAR 09 2025 6:41

ELECTRICAL POWER MW, MVAR

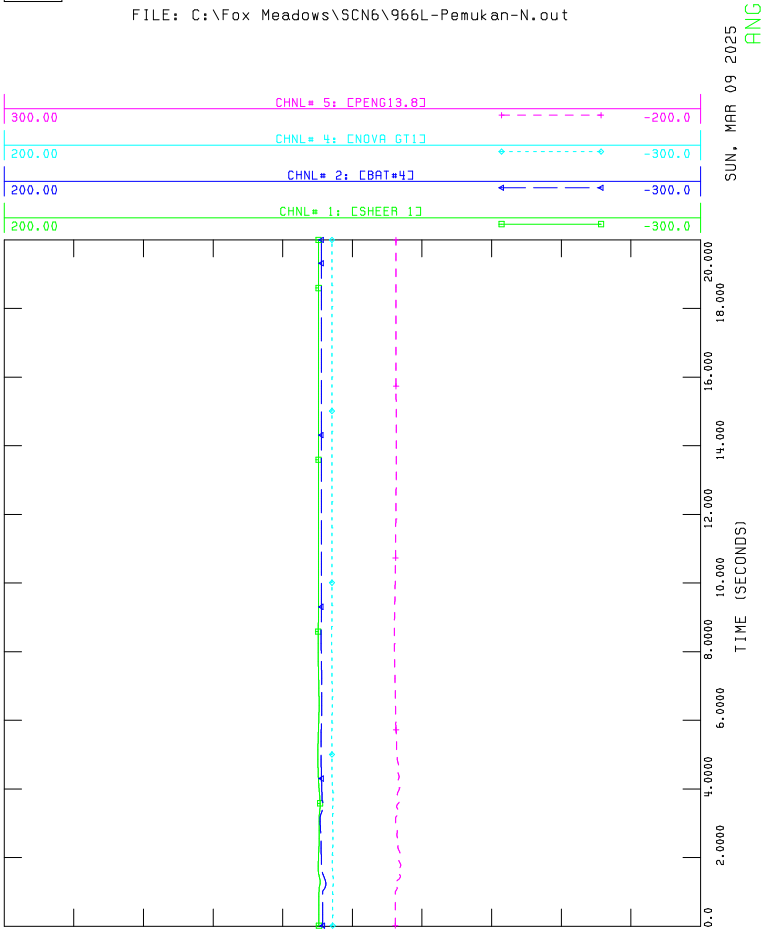


AESO ABO FOX MEADOWS-2028 SP
966L-PEMUKAN-NEAR

FILE: C:\Fox Meadows\SCN6\966L-Pemukan-N.out

SUN, MAR 09 2025 6:41

ANGLES

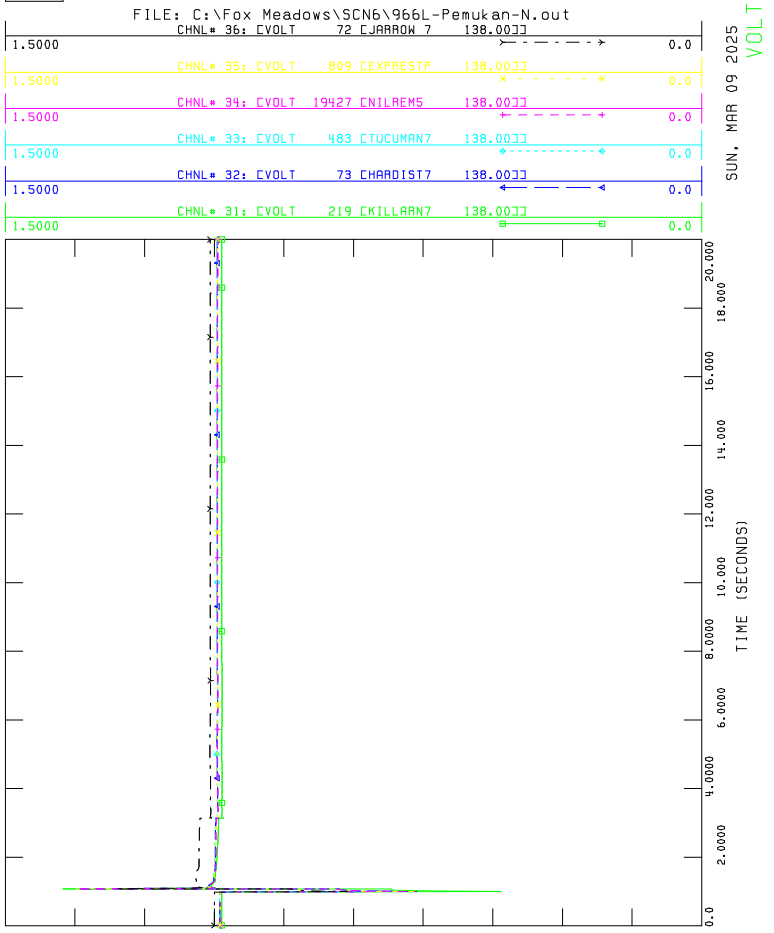


AESO ABO FOX MEADOWS-2028 SP
966L-PEMUKAN-NEAR

FILE: C:\Fox Meadows\SCN6\966L-Pemukan-N.out

SUN, MAR 09 2025 6:41

VOLTAGE

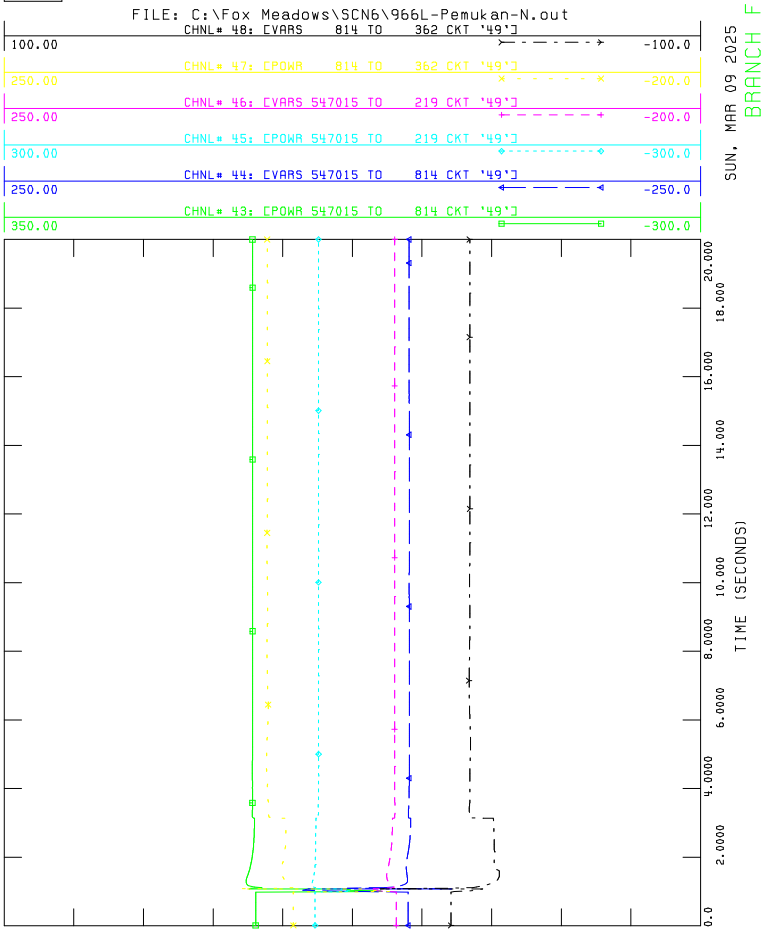


AESO ABO FOX MEADOWS-2028 SP
966L-PEMUKAN-NEAR

FILE: C:\Fox Meadows\SCN6\966L-Pemukan-N.out

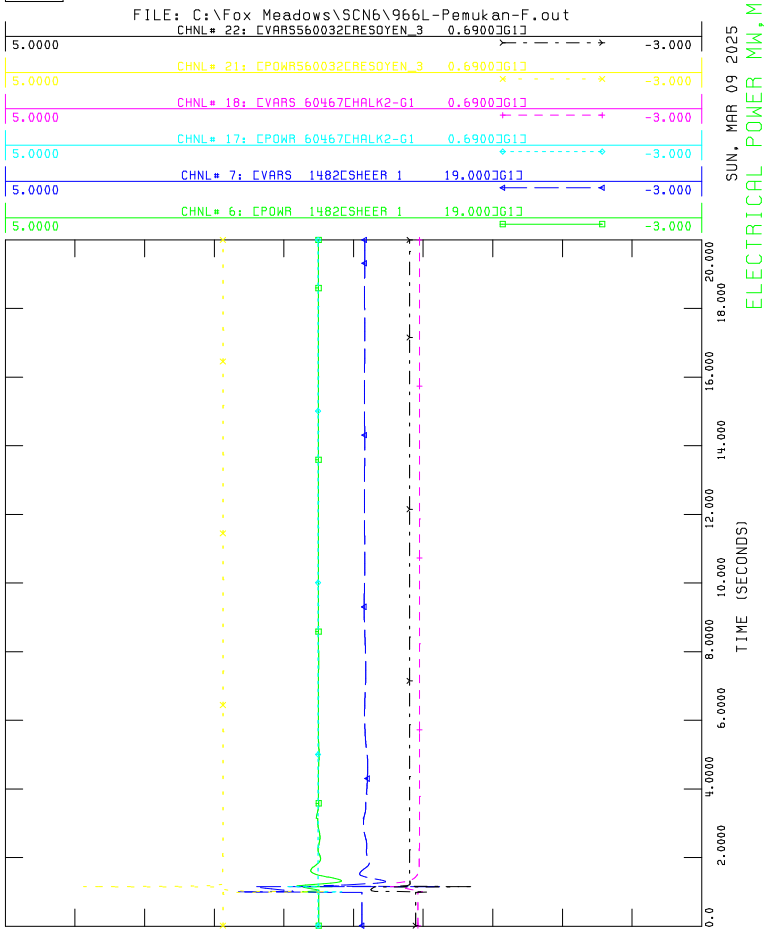
SUN, MAR 09 2025 6:41

BRANCH FLOW



AESO ABO FOX MEADOWS-2028 SP
966L-PEMUKAN-FAR

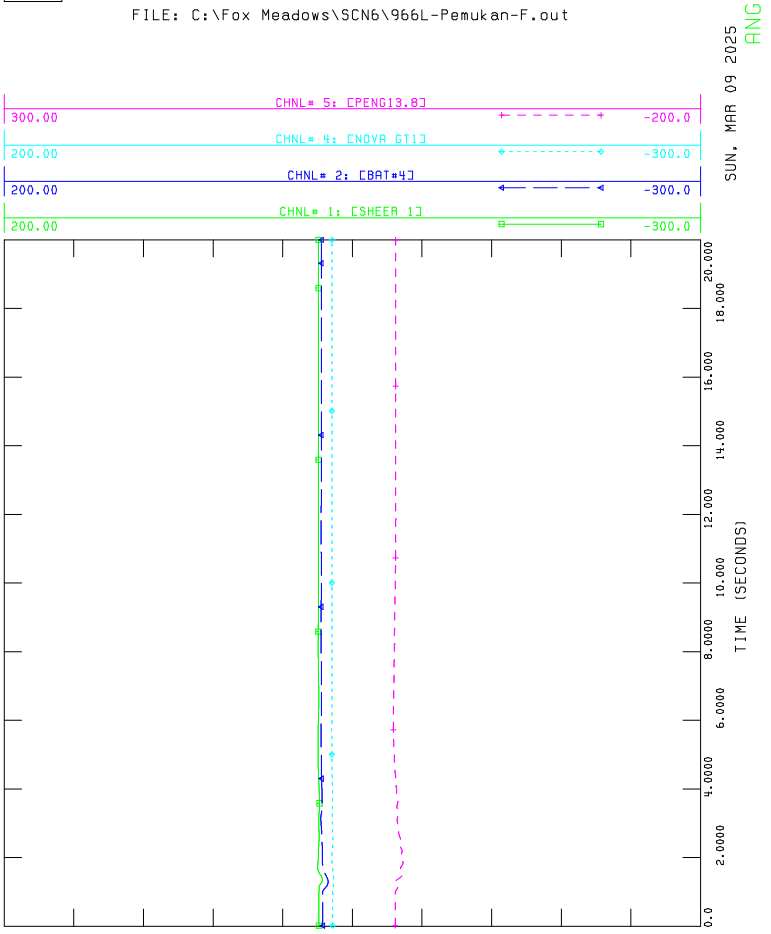
FILE: C:\Fox Meadows\SCN6\966L-Pemukan-F.out



SUN, MAR 09 2025 6:41
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 SP
966L-PEMUKAN-FAR

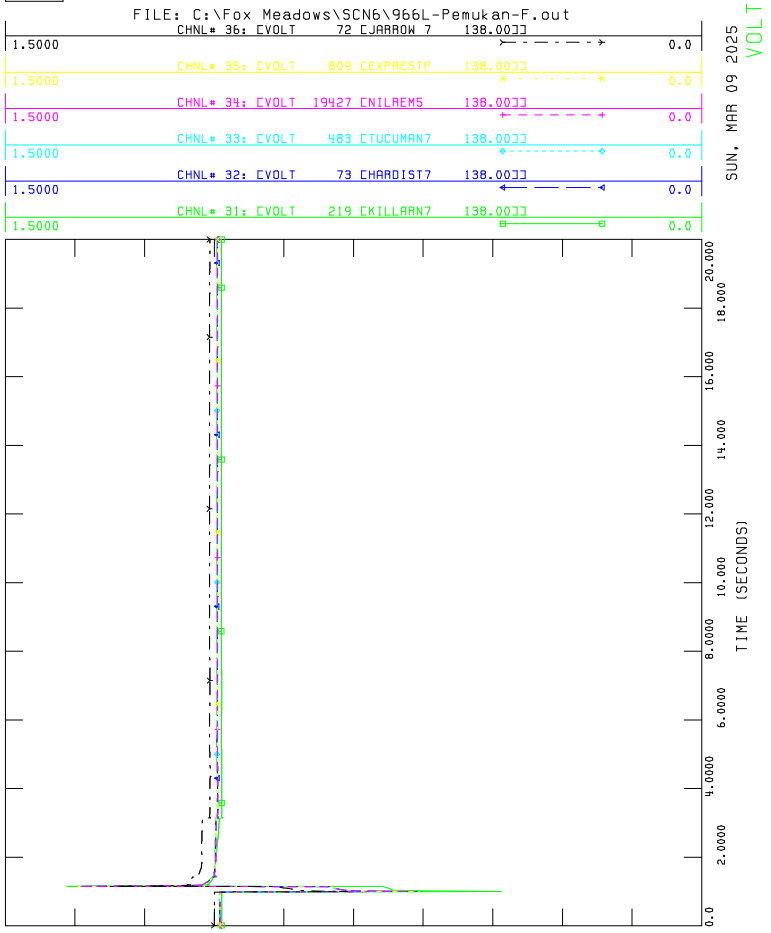
FILE: C:\Fox Meadows\SCN6\966L-Pemukan-F.out



SUN, MAR 09 2025 6:41
ANGLES

AESO ABO FOX MEADOWS-2028 SP
966L-PEMUKAN-FAR

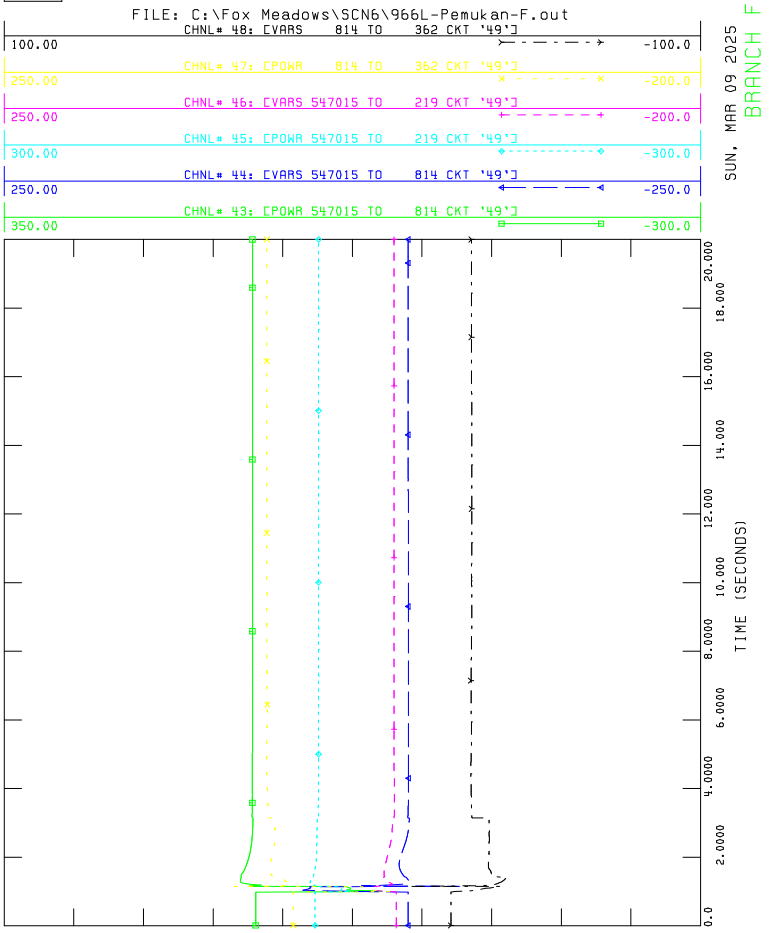
FILE: C:\Fox Meadows\SCN6\966L-Pemukan-F.out



SUN, MAR 09 2025 6:41
VOLTAGE

AESO ABO FOX MEADOWS-2028 SP
966L-PEMUKAN-FAR

FILE: C:\Fox Meadows\SCN6\966L-Pemukan-F.out



SUN, MAR 09 2025 6:41
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 WP
749L-KILLARNEY-NEAR

FILE: C:\Fox Meadows\SCN7\749L-Killarney-N.out

SUN, MAR 09 2025 7:10

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J

5.0000 / -3.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
749L-KILLARNEY-NEAR

FILE: C:\Fox Meadows\SCN7\749L-Killarney-N.out

SUN, MAR 09 2025 7:10

ANGLES

CHNL# 5: CPENG13.8J
CHNL# 4: CNOVA GT1J
CHNL# 2: CBAT#4J
CHNL# 1: CSHEER 1J

300.00 / -200.0
200.00 / -300.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
749L-KILLARNEY-NEAR

FILE: C:\Fox Meadows\SCN7\749L-Killarney-N.out

SUN, MAR 09 2025 7:09

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ

1.5000 / 0.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
749L-KILLARNEY-NEAR

FILE: C:\Fox Meadows\SCN7\749L-Killarney-N.out

SUN, MAR 09 2025 7:10

BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J

100.00 / -100.0
250.00 / -200.0
250.00 / -200.0
300.00 / -300.0
250.00 / -250.0
350.00 / -300.0

TIME (SECONDS)

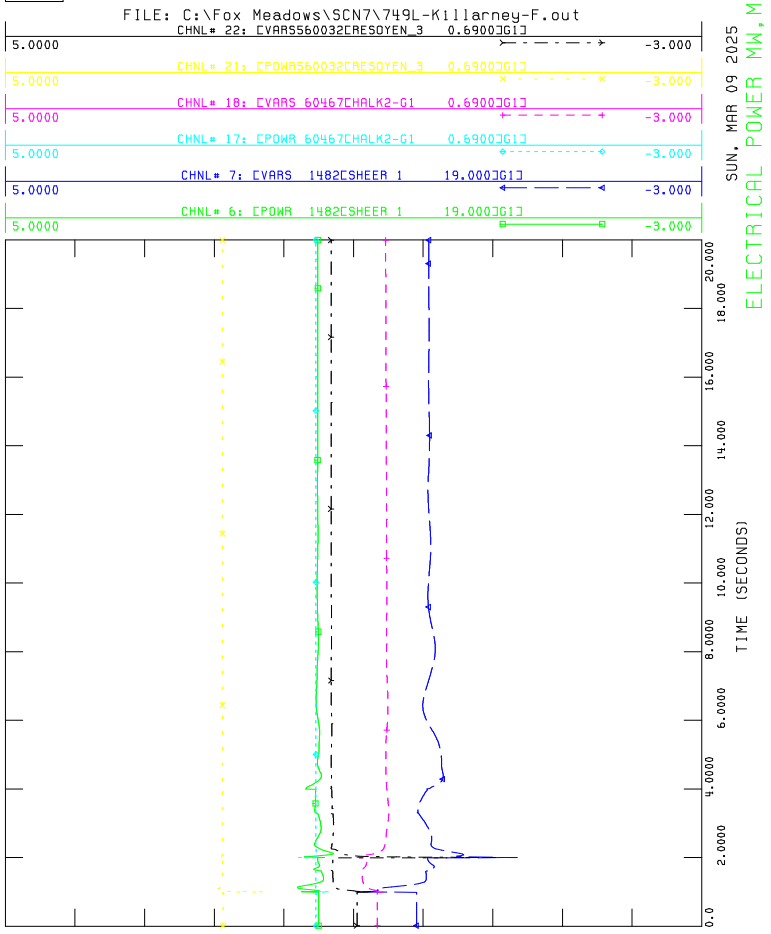
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
749L-KILLARNEY-FAR

FILE: C:\Fox Meadows\SCN7\749L-Killarney-F.out

SUN, MAR 09 2025 7:10

ELECTRICAL POWER MW, MVAR

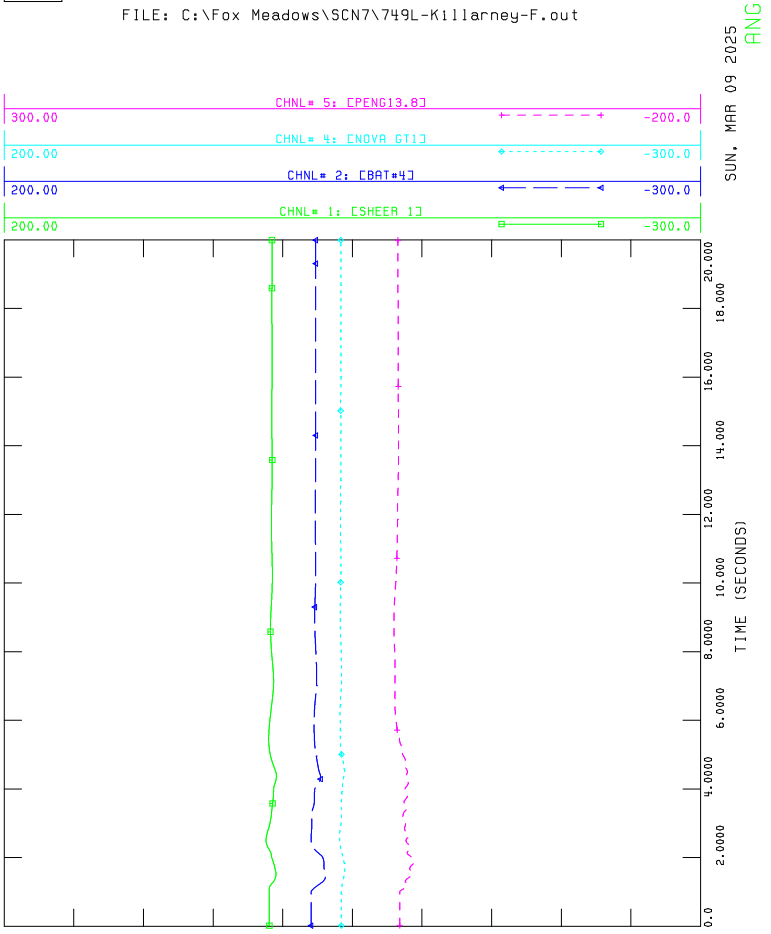


AESO ABO FOX MEADOWS-2028 WP
749L-KILLARNEY-FAR

FILE: C:\Fox Meadows\SCN7\749L-Killarney-F.out

SUN, MAR 09 2025 7:10

ANGLES

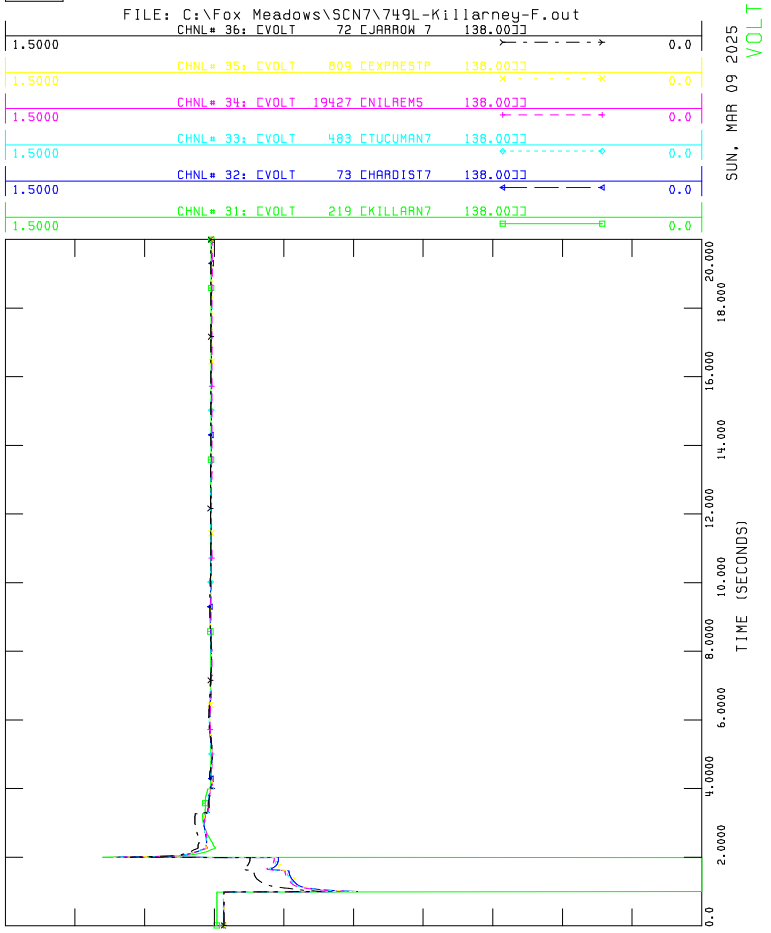


AESO ABO FOX MEADOWS-2028 WP
749L-KILLARNEY-FAR

FILE: C:\Fox Meadows\SCN7\749L-Killarney-F.out

SUN, MAR 09 2025 7:10

VOLTAGE

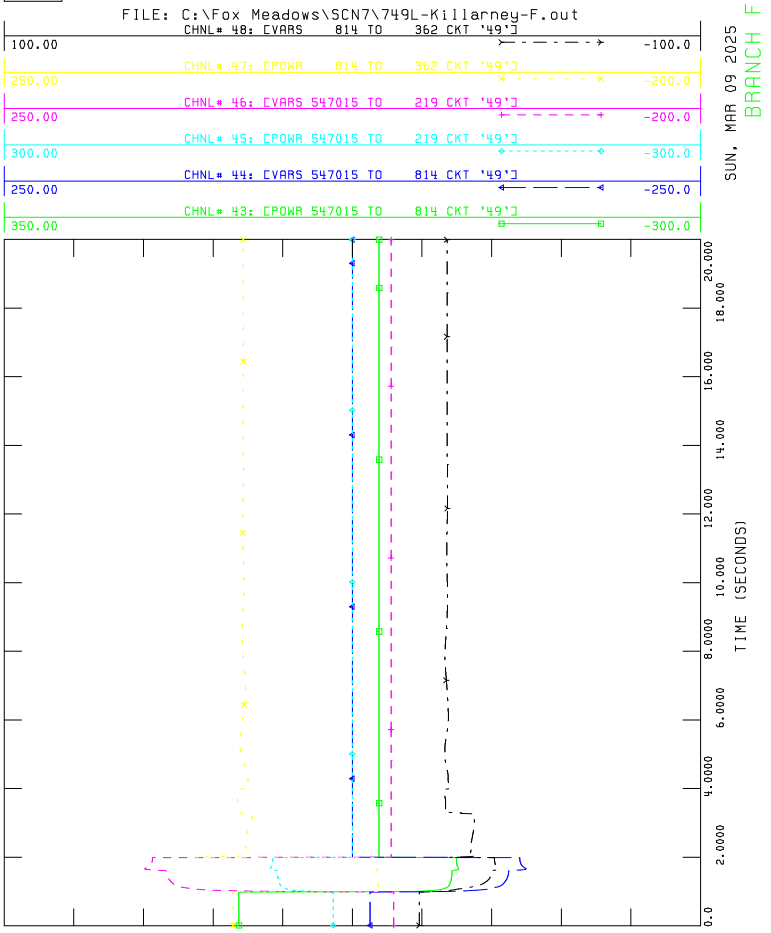


AESO ABO FOX MEADOWS-2028 WP
749L-KILLARNEY-FAR

FILE: C:\Fox Meadows\SCN7\749L-Killarney-F.out

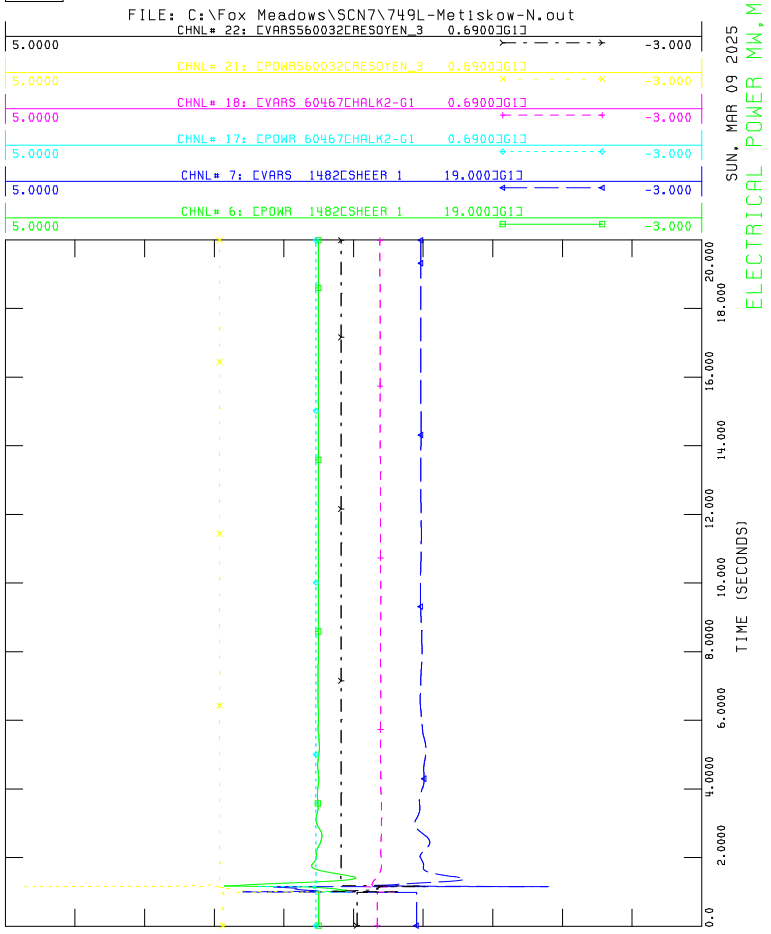
SUN, MAR 09 2025 7:10

BRANCH FLOW



AESO ABO FOX MEADOWS-2028 WP
749L-METISKOW-NEAR

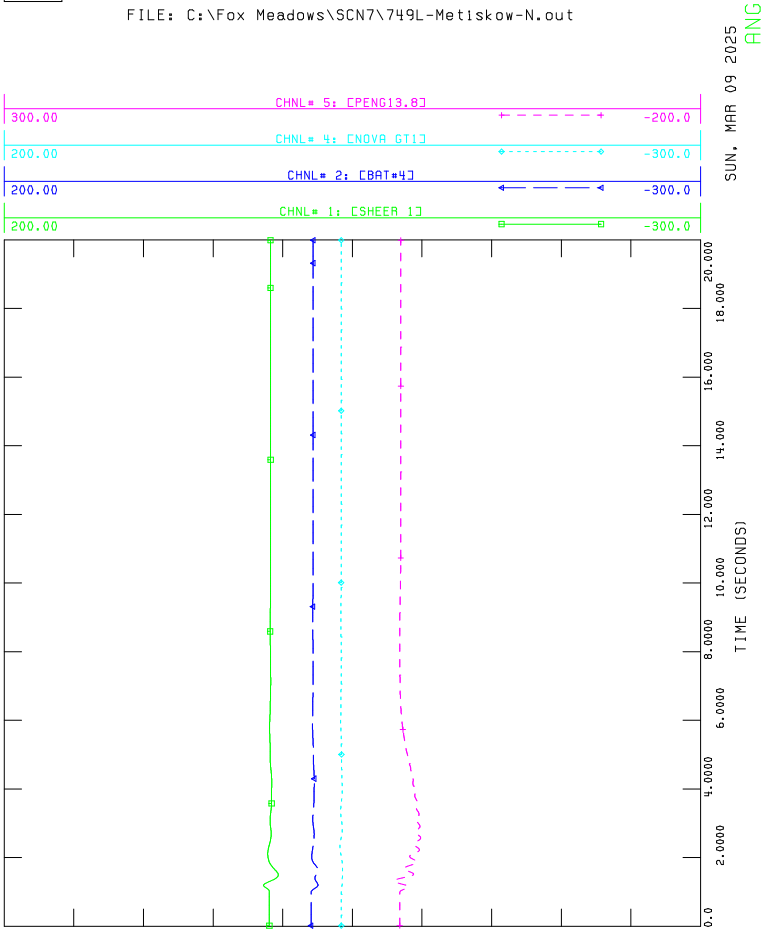
FILE: C:\Fox Meadows\SCN7\749L-Metiskow-N.out



SUN, MAR 09 2025 7:10 ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 WP
749L-METISKOW-NEAR

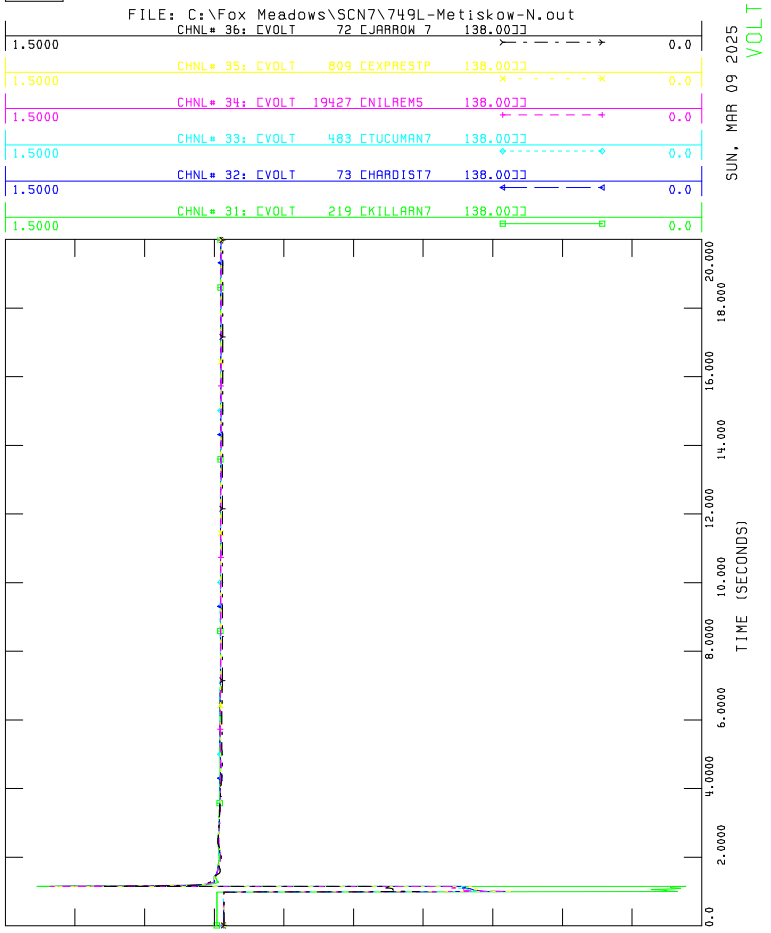
FILE: C:\Fox Meadows\SCN7\749L-Metiskow-N.out



SUN, MAR 09 2025 7:10 ANGLES

AESO ABO FOX MEADOWS-2028 WP
749L-METISKOW-NEAR

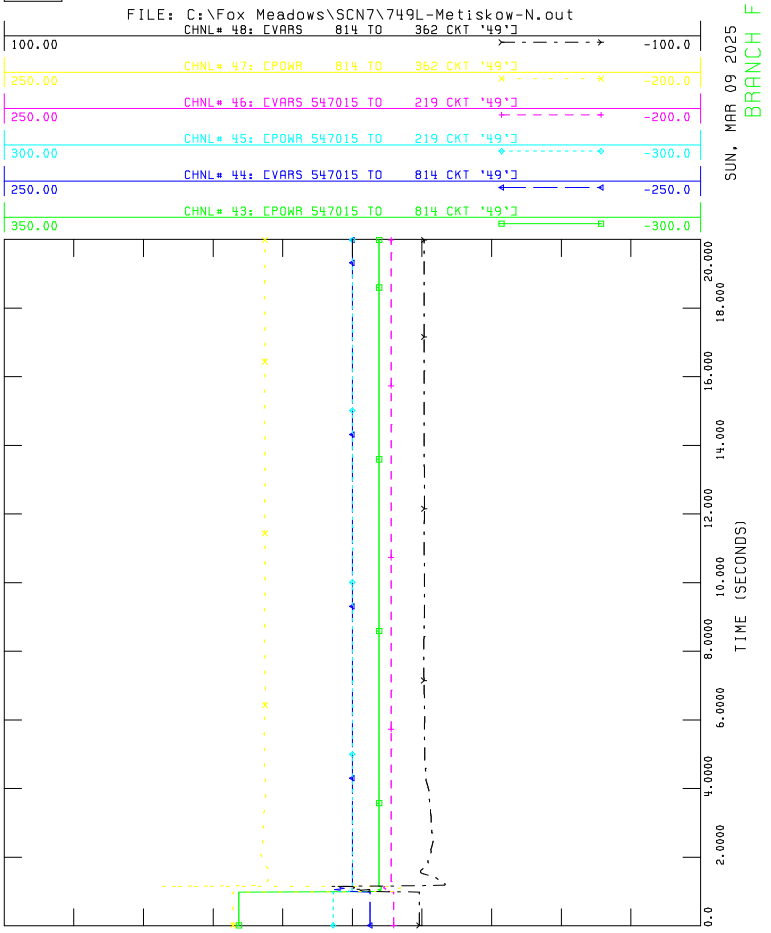
FILE: C:\Fox Meadows\SCN7\749L-Metiskow-N.out



SUN, MAR 09 2025 7:10 VOLTAGE

AESO ABO FOX MEADOWS-2028 WP
749L-METISKOW-NEAR

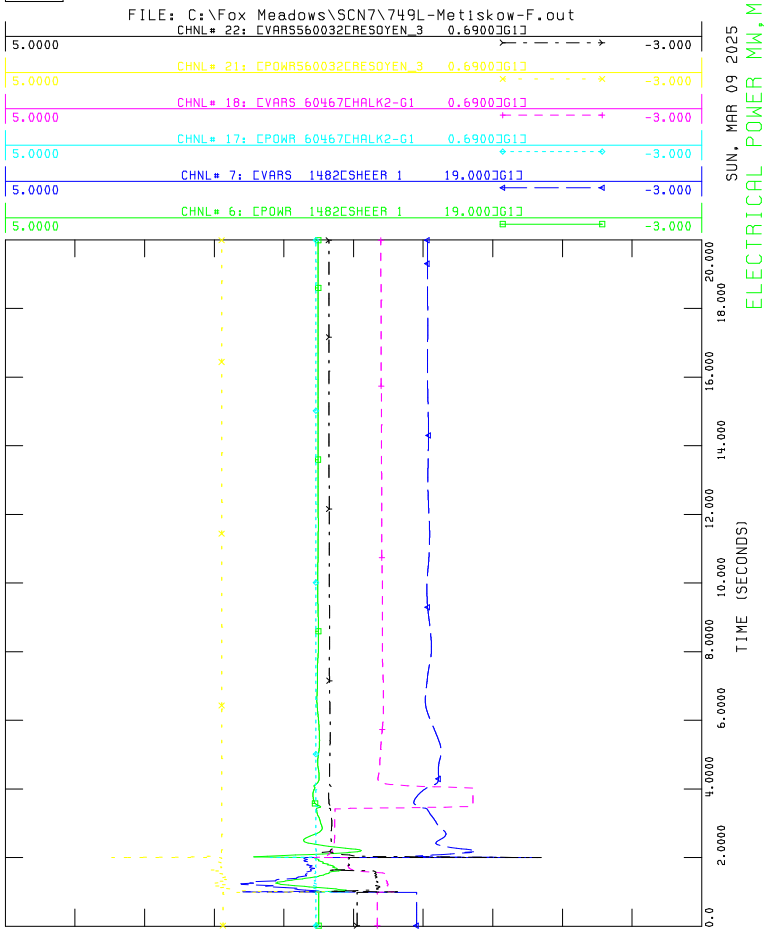
FILE: C:\Fox Meadows\SCN7\749L-Metiskow-N.out



SUN, MAR 09 2025 7:10 BRANCH FLOW

AESO ABO FOX MEADOWS-2028 WP
749L-METISKOW-FAR

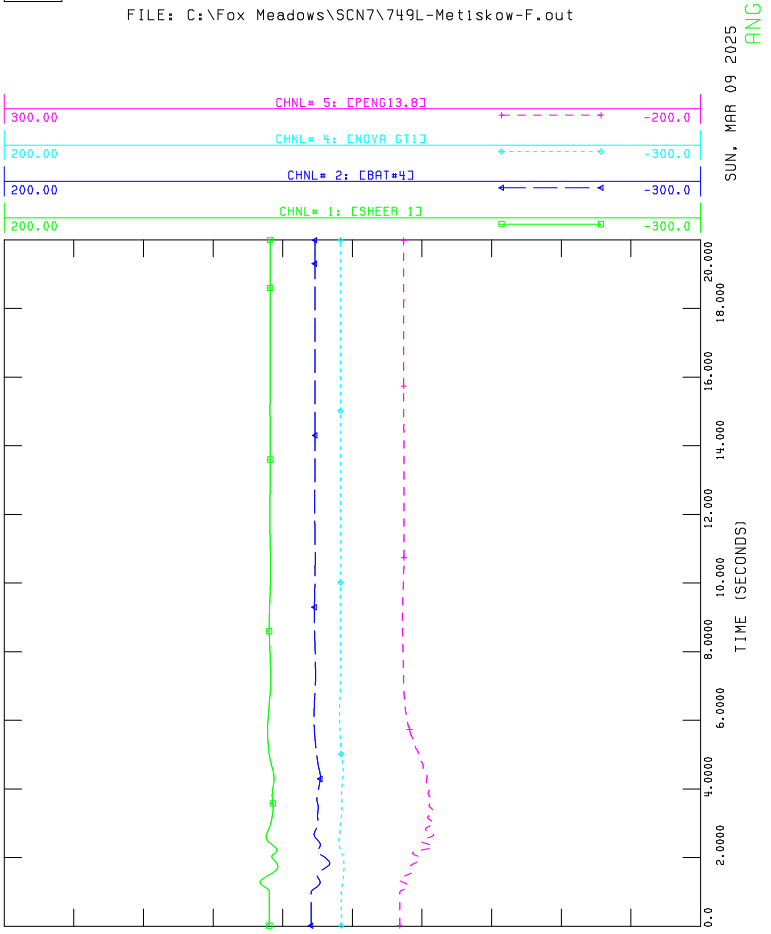
FILE: C:\Fox Meadows\SCN7\749L-Metiskow-F.out



SUN, MAR 09 2025 7:10 ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 WP
749L-METISKOW-FAR

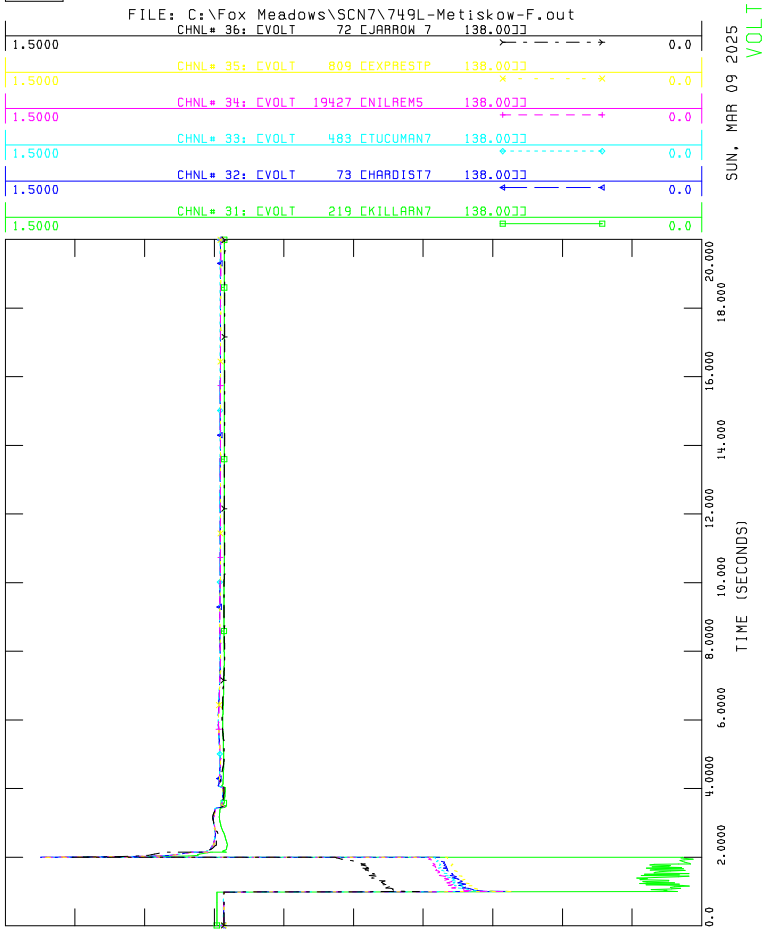
FILE: C:\Fox Meadows\SCN7\749L-Metiskow-F.out



SUN, MAR 09 2025 7:10 ANGLES

AESO ABO FOX MEADOWS-2028 WP
749L-METISKOW-FAR

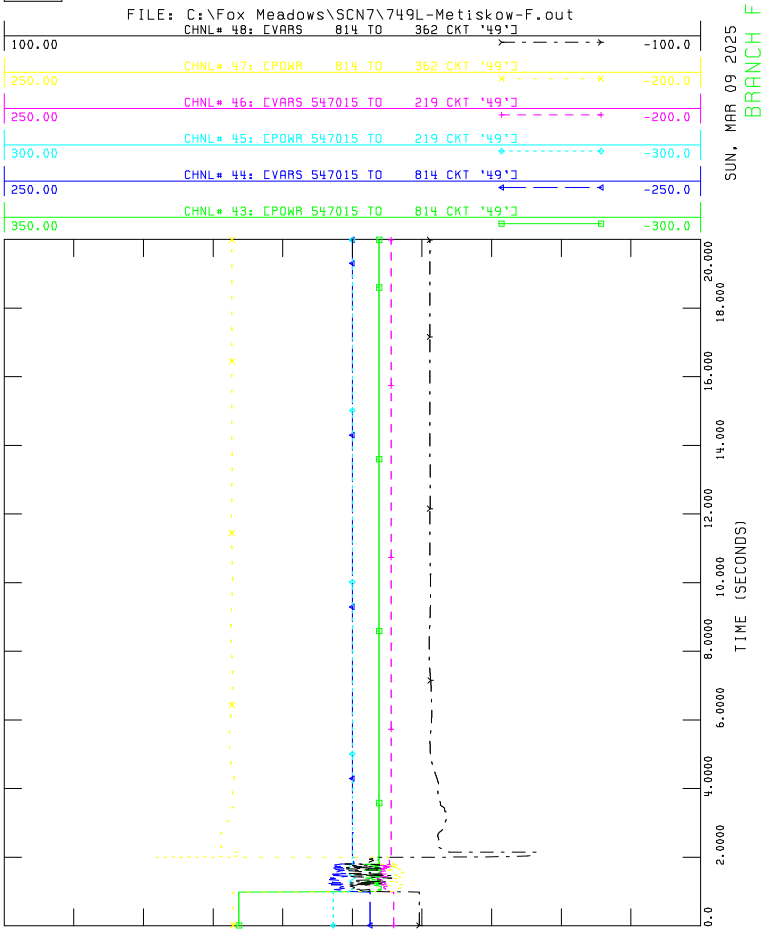
FILE: C:\Fox Meadows\SCN7\749L-Metiskow-F.out



SUN, MAR 09 2025 7:10 VOLTAGE

AESO ABO FOX MEADOWS-2028 WP
749L-METISKOW-FAR

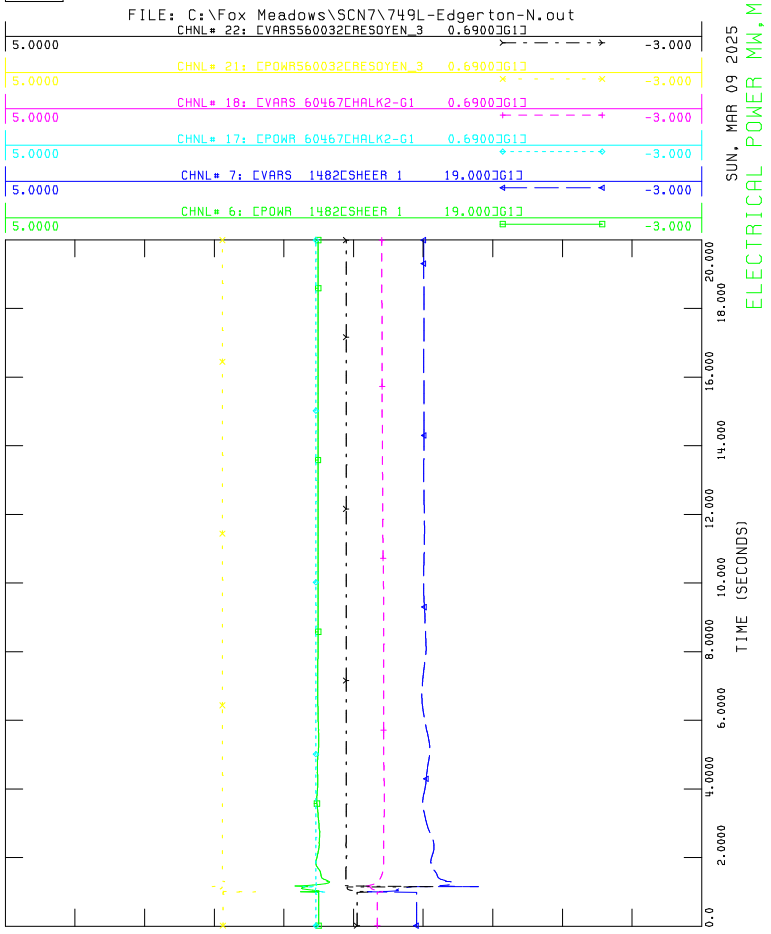
FILE: C:\Fox Meadows\SCN7\749L-Metiskow-F.out



SUN, MAR 09 2025 7:10 BRANCH FLOW

AESO ABO FOX MEADOWS-2028 WP
749L-EDGERTON-NEAR

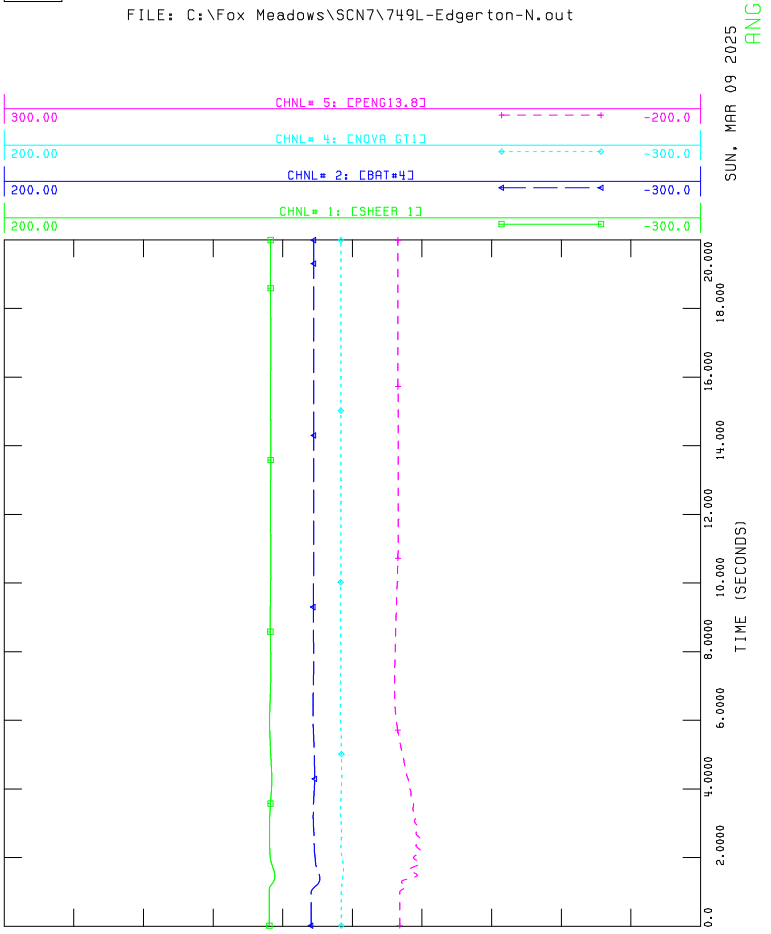
FILE: C:\Fox Meadows\SCN7\749L-Edgerton-N.out



SUN, MAR 09 2025 7:10 ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 WP
749L-EDGERTON-NEAR

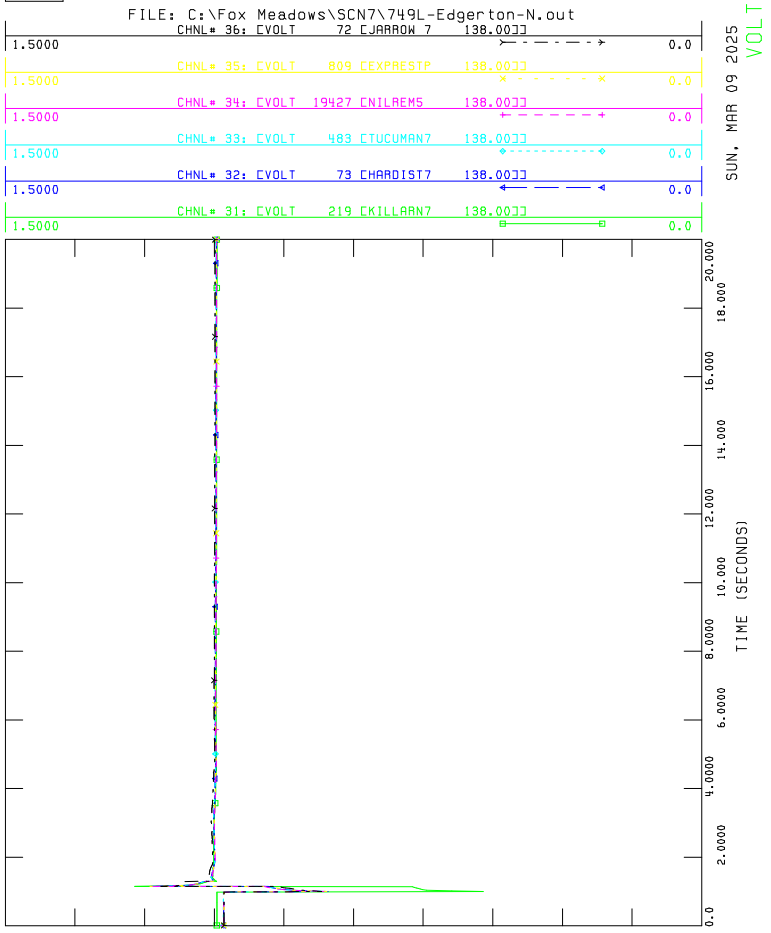
FILE: C:\Fox Meadows\SCN7\749L-Edgerton-N.out



SUN, MAR 09 2025 7:10 ANGLES

AESO ABO FOX MEADOWS-2028 WP
749L-EDGERTON-NEAR

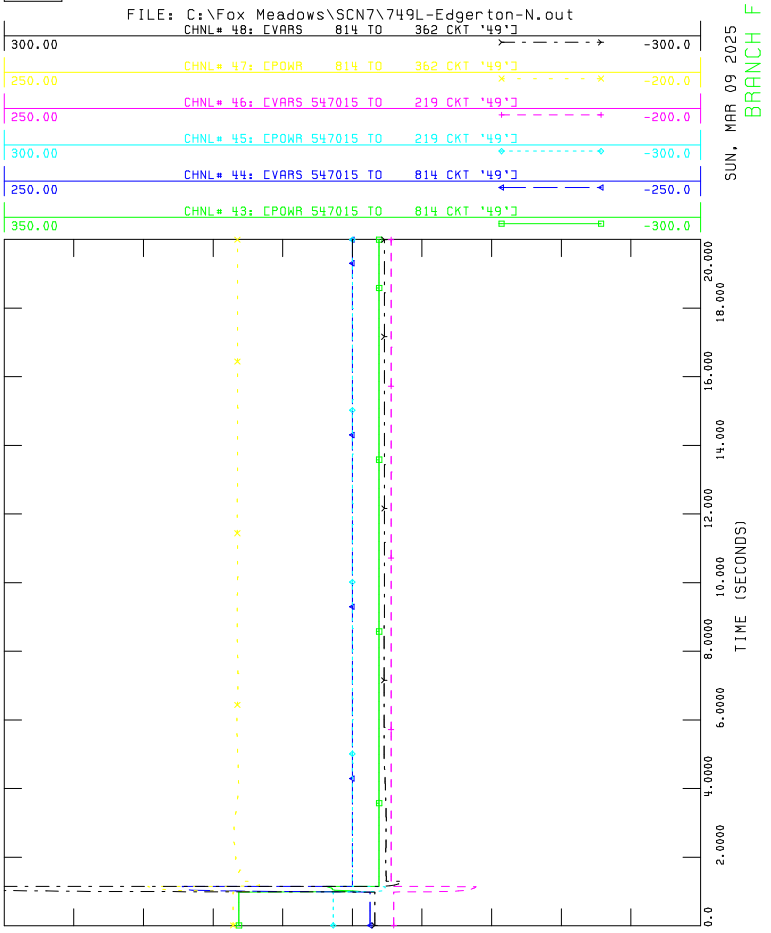
FILE: C:\Fox Meadows\SCN7\749L-Edgerton-N.out



SUN, MAR 09 2025 7:10 VOLTAGE

AESO ABO FOX MEADOWS-2028 WP
749L-EDGERTON-NEAR

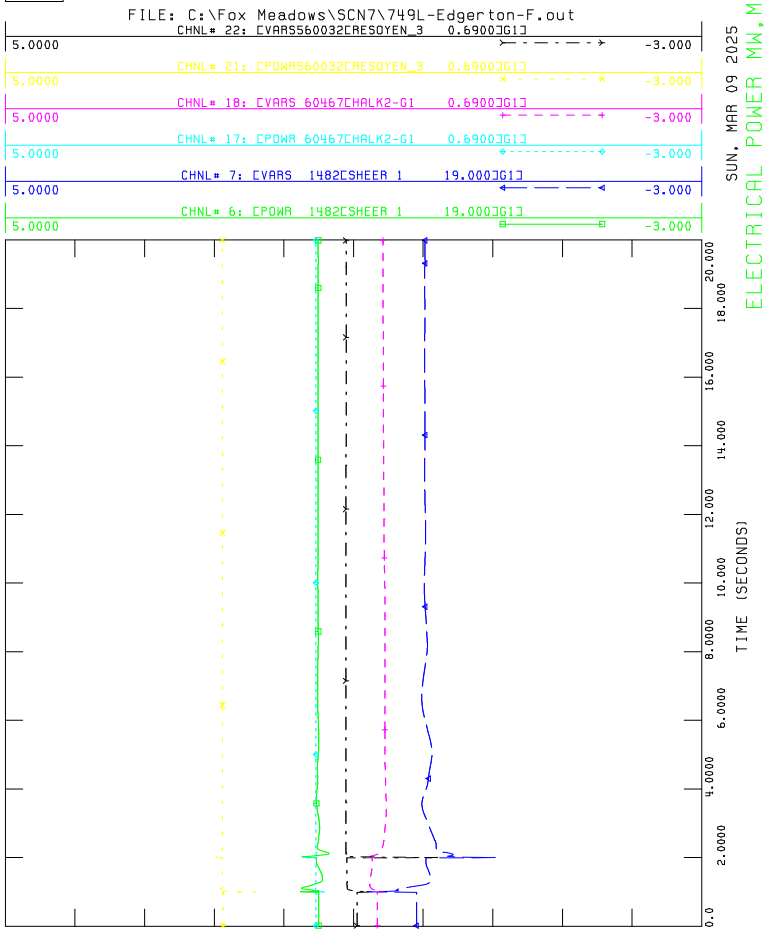
FILE: C:\Fox Meadows\SCN7\749L-Edgerton-N.out



SUN, MAR 09 2025 7:10 BRANCH FLOW

AESO ABO FOX MEADOWS-2028 WP
749L-EDGERTON-FAR

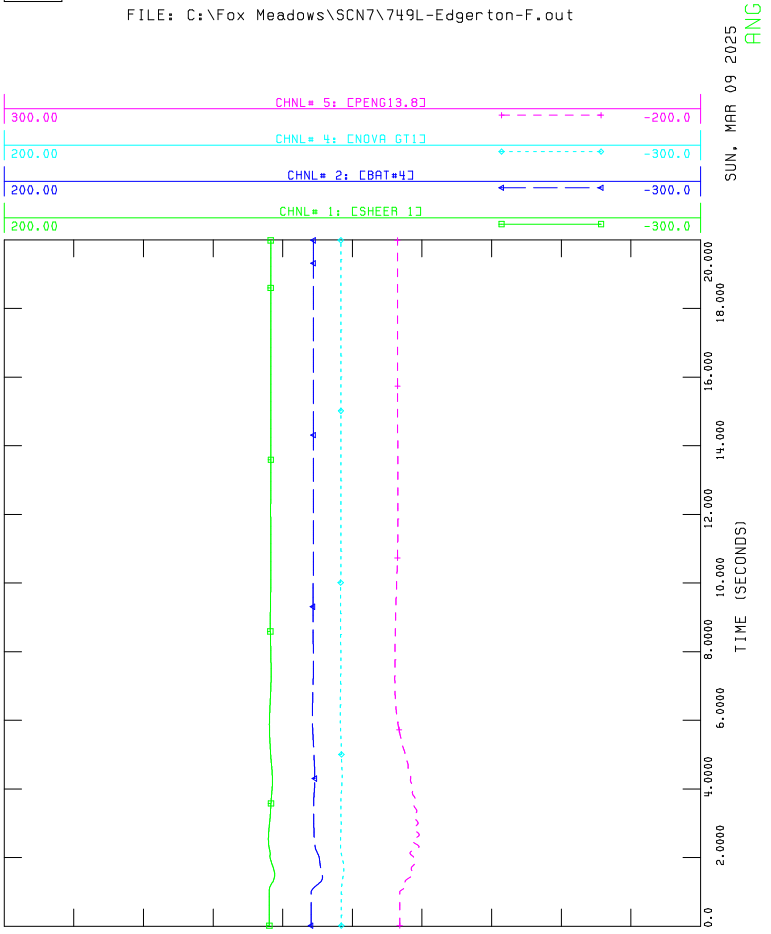
FILE: C:\Fox Meadows\SCN7\749L-Edgerton-F.out



SUN, MAR 09 2025 7:10
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 WP
749L-EDGERTON-FAR

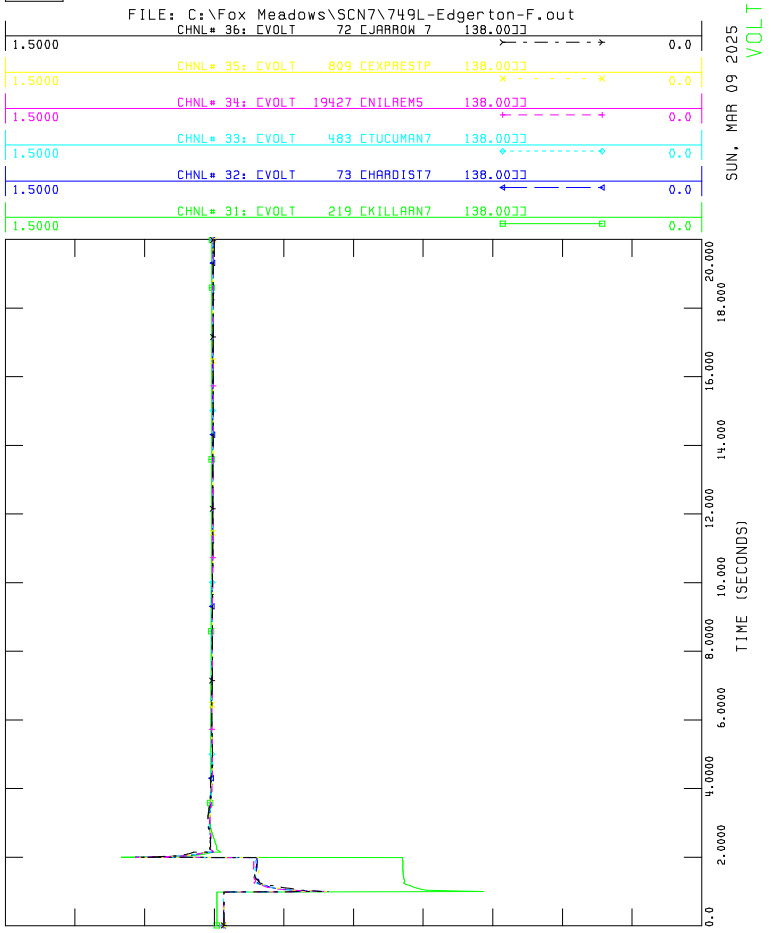
FILE: C:\Fox Meadows\SCN7\749L-Edgerton-F.out



SUN, MAR 09 2025 7:10
ANGLES

AESO ABO FOX MEADOWS-2028 WP
749L-EDGERTON-FAR

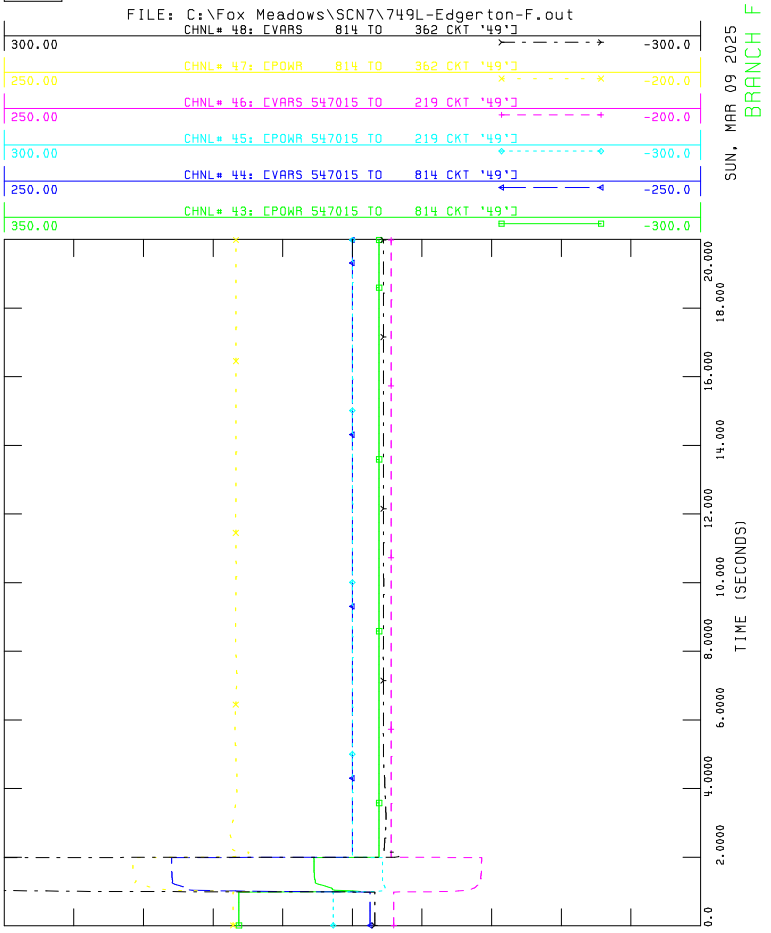
FILE: C:\Fox Meadows\SCN7\749L-Edgerton-F.out



SUN, MAR 09 2025 7:10
VOLTAGE

AESO ABO FOX MEADOWS-2028 WP
749L-EDGERTON-FAR

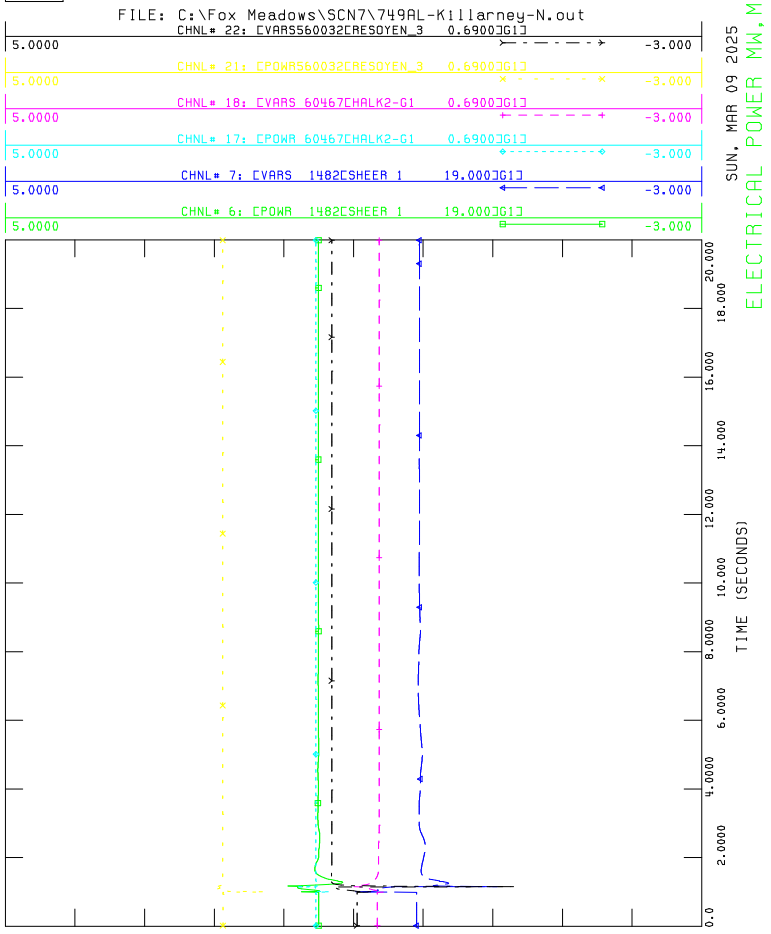
FILE: C:\Fox Meadows\SCN7\749L-Edgerton-F.out



SUN, MAR 09 2025 7:10
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 WP
749AL-KILLARNEY-NEAR

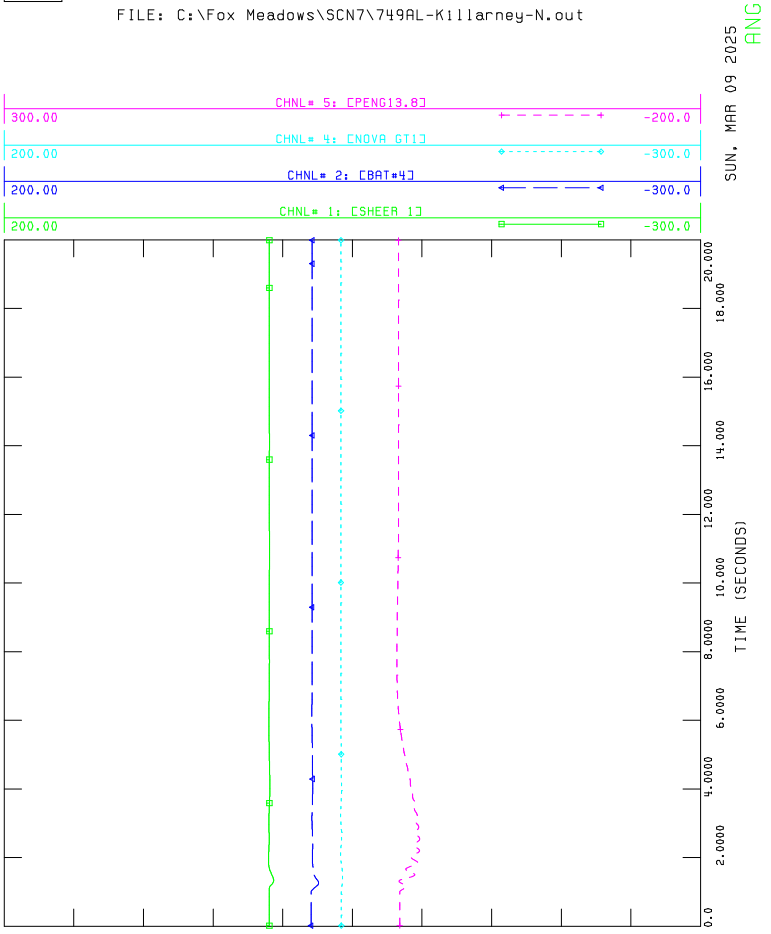
FILE: C:\Fox Meadows\SCN7\749AL-Killarney-N.out



SUN, MAR 09 2025 7:10 ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 WP
749AL-KILLARNEY-NEAR

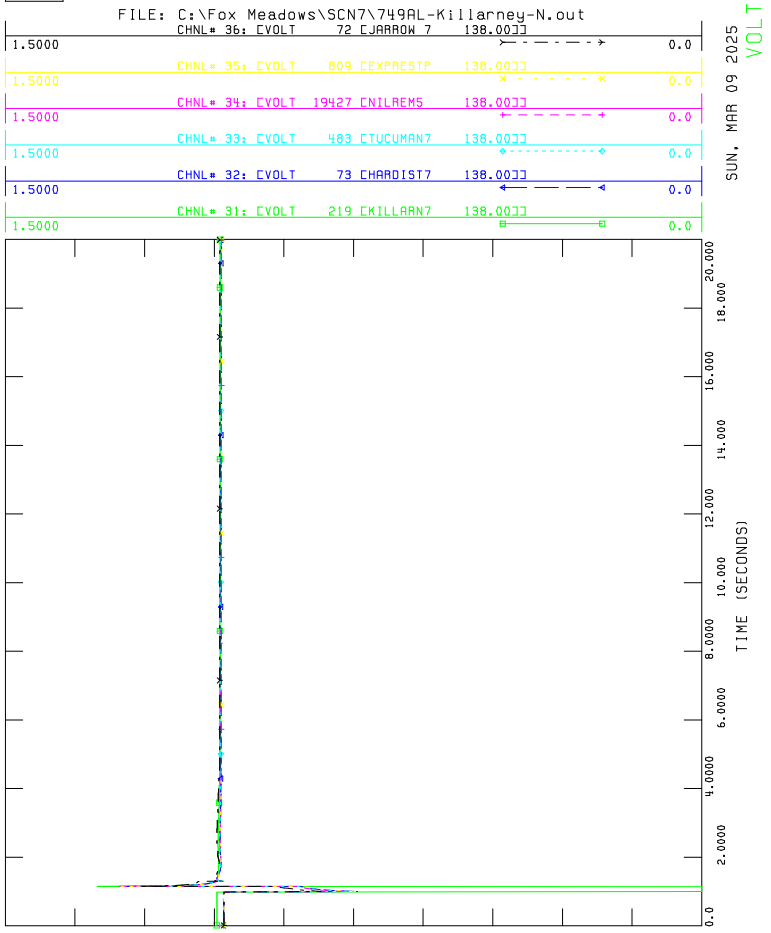
FILE: C:\Fox Meadows\SCN7\749AL-Killarney-N.out



SUN, MAR 09 2025 7:10 ANGLES

AESO ABO FOX MEADOWS-2028 WP
749AL-KILLARNEY-NEAR

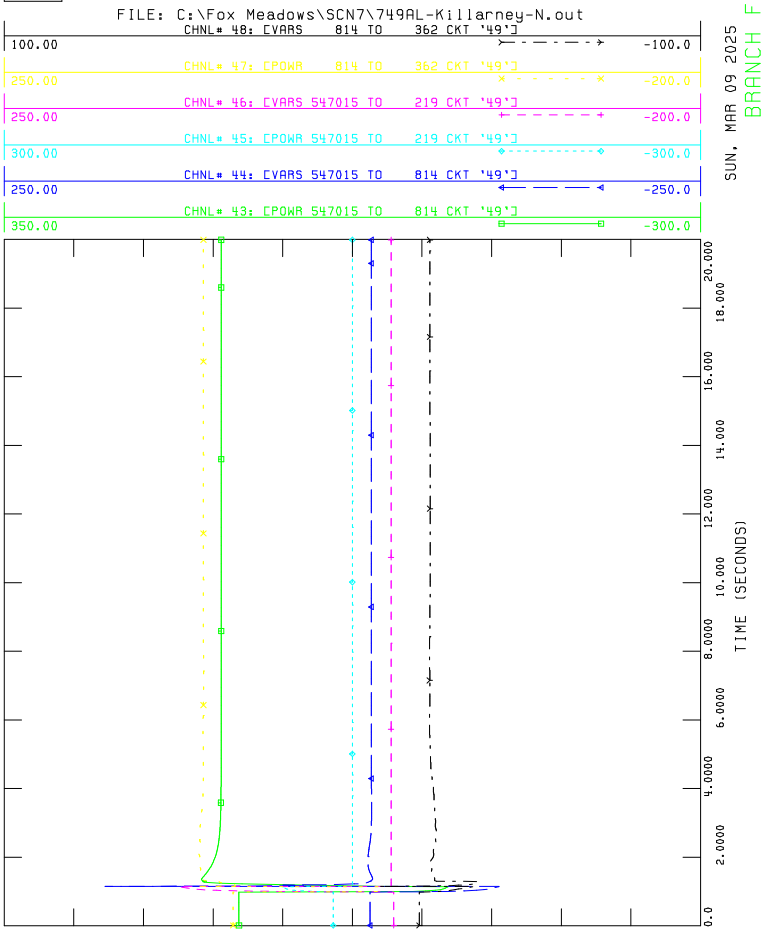
FILE: C:\Fox Meadows\SCN7\749AL-Killarney-N.out



SUN, MAR 09 2025 7:10 VOLTAGE

AESO ABO FOX MEADOWS-2028 WP
749AL-KILLARNEY-NEAR

FILE: C:\Fox Meadows\SCN7\749AL-Killarney-N.out



SUN, MAR 09 2025 7:10 BRANCH FLOW

AESO ABO FOX MEADOWS-2028 WP
749AL-KILLARNEY-FAR

FILE: C:\Fox Meadows\SCN7\749AL-Killarney-F.out

SUN, MAR 09 2025 7:10

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J

5.0000 -3.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
749AL-KILLARNEY-FAR

FILE: C:\Fox Meadows\SCN7\749AL-Killarney-F.out

SUN, MAR 09 2025 7:10

ANGLES

CHNL# 5: CPENG13,8J
CHNL# 4: CNOVA GT1J
CHNL# 2: CBAT#4J
CHNL# 1: CSHEER 1J

300.00 -200.0
200.00 -300.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
749AL-KILLARNEY-FAR

FILE: C:\Fox Meadows\SCN7\749AL-Killarney-F.out

SUN, MAR 09 2025 7:10

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ

1.5000 0.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
749AL-KILLARNEY-FAR

FILE: C:\Fox Meadows\SCN7\749AL-Killarney-F.out

SUN, MAR 09 2025 7:10

BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J

100.00 -100.0
250.00 -200.0
250.00 -250.0
350.00 -300.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
749AL-P2460-NEAR

FILE: C:\Fox Meadows\SCN7\749AL-P2460-N.out

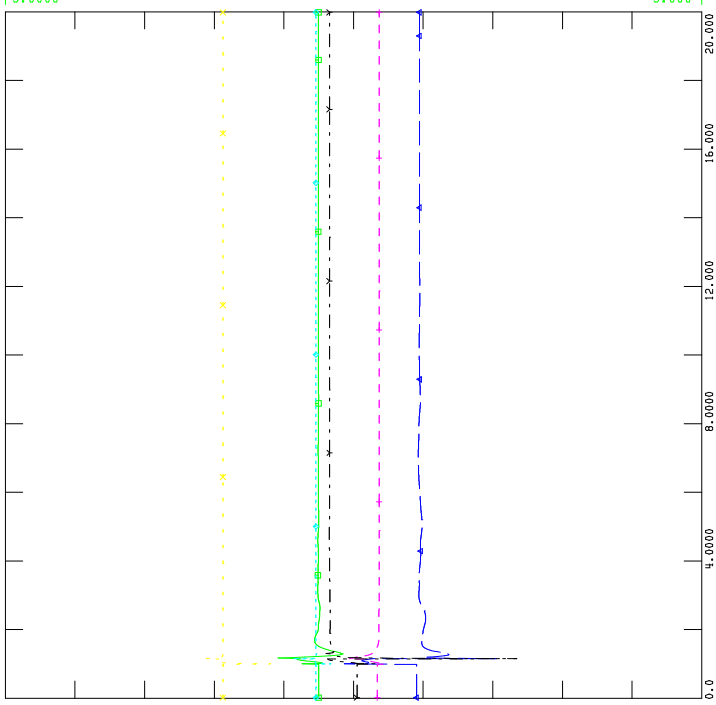
SUN, MAR 09 2025 7:10

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J

5.0000 / -3.000

TIME (SECONDS)



AESO ABO FOX MEADOWS-2028 WP
749AL-P2460-NEAR

FILE: C:\Fox Meadows\SCN7\749AL-P2460-N.out

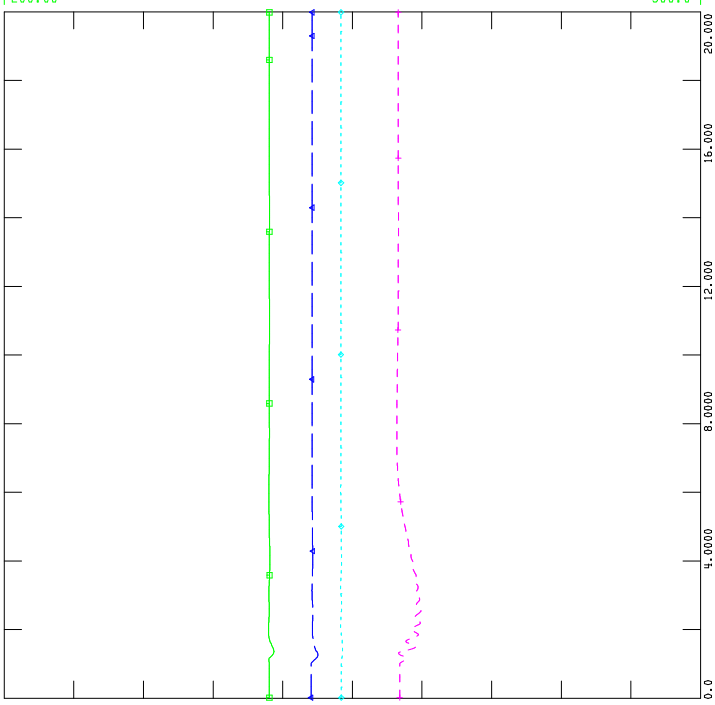
SUN, MAR 09 2025 7:10

ANGLES

CHNL# 5: CPENG13.8J
CHNL# 4: CNOVA GT1J
CHNL# 2: CBAT#4J
CHNL# 1: CSHEER 1J

300.00 / -200.0
200.00 / -300.0

TIME (SECONDS)



AESO ABO FOX MEADOWS-2028 WP
749AL-P2460-NEAR

FILE: C:\Fox Meadows\SCN7\749AL-P2460-N.out

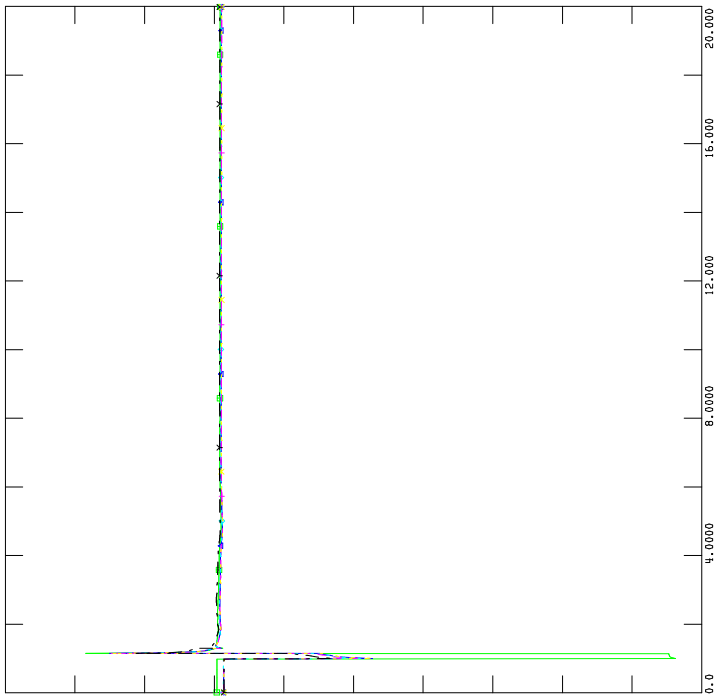
SUN, MAR 09 2025 7:10

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ

1.5000 / 0.0

TIME (SECONDS)



AESO ABO FOX MEADOWS-2028 WP
749AL-P2460-NEAR

FILE: C:\Fox Meadows\SCN7\749AL-P2460-N.out

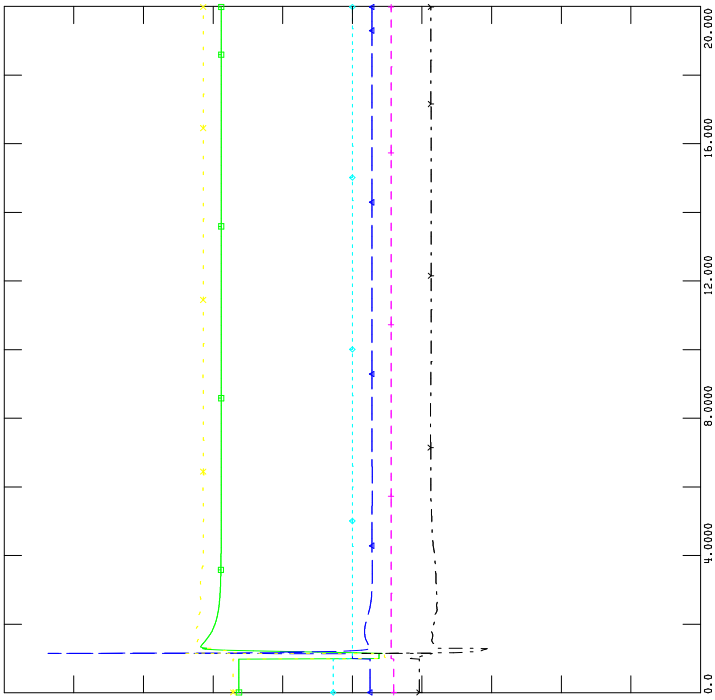
SUN, MAR 09 2025 7:10

BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J

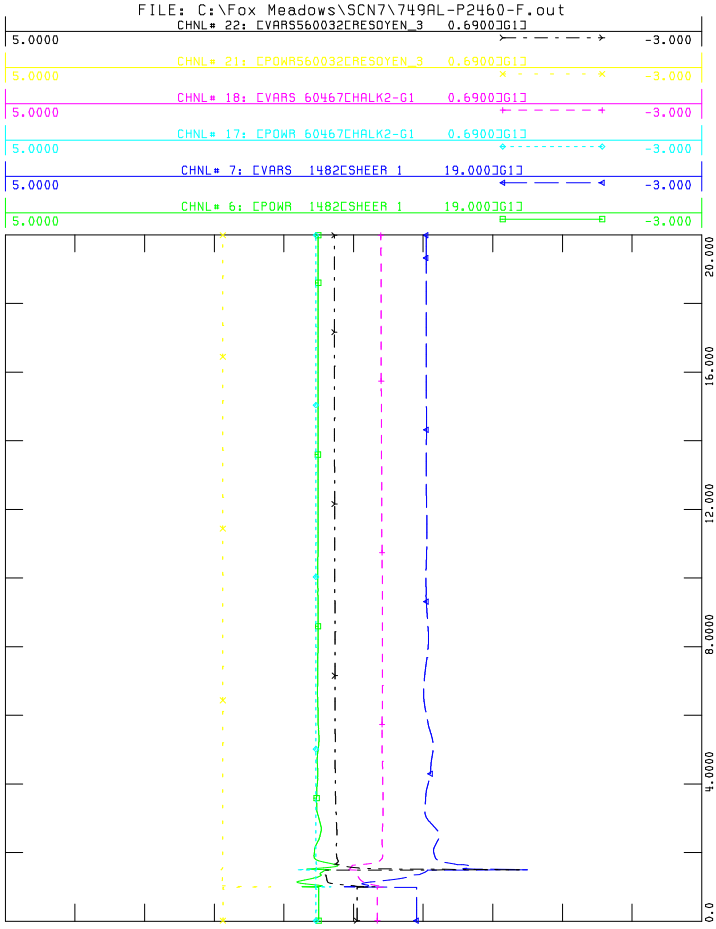
100.00 / -100.0
250.00 / -200.0
250.00 / -200.0
300.00 / -300.0
250.00 / -250.0
350.00 / -300.0

TIME (SECONDS)



AESO ABO FOX MEADOWS-2028 WP
749AL-P2460-FAR

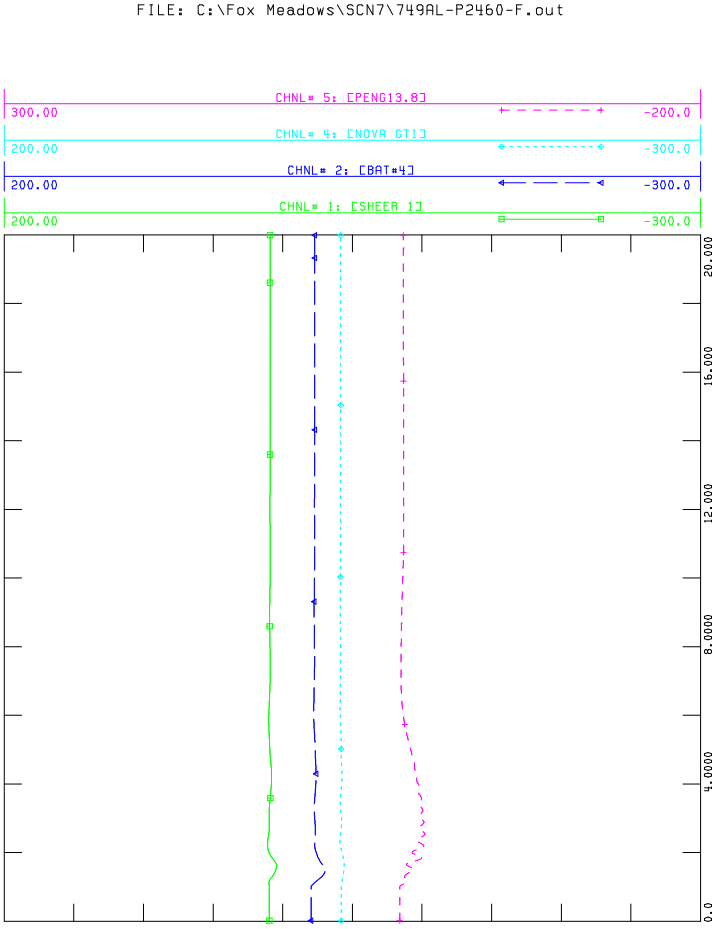
FILE: C:\Fox Meadows\SCN7\749AL-P2460-F.out



SUN, MAR 09 2025 7:10
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 WP
749AL-P2460-FAR

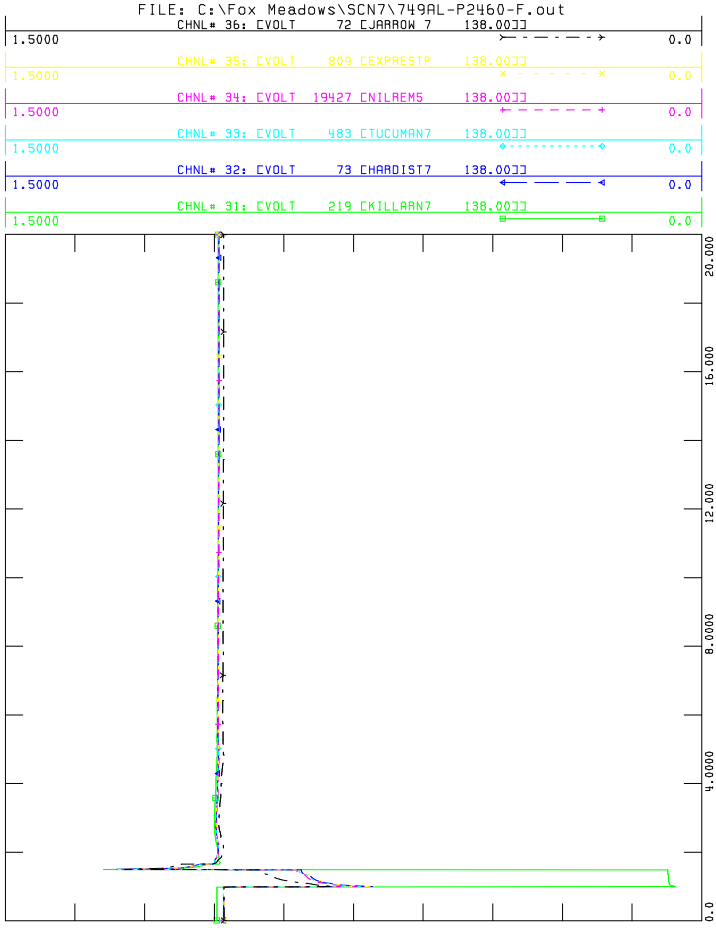
FILE: C:\Fox Meadows\SCN7\749AL-P2460-F.out



SUN, MAR 09 2025 7:10
ANGLES

AESO ABO FOX MEADOWS-2028 WP
749AL-P2460-FAR

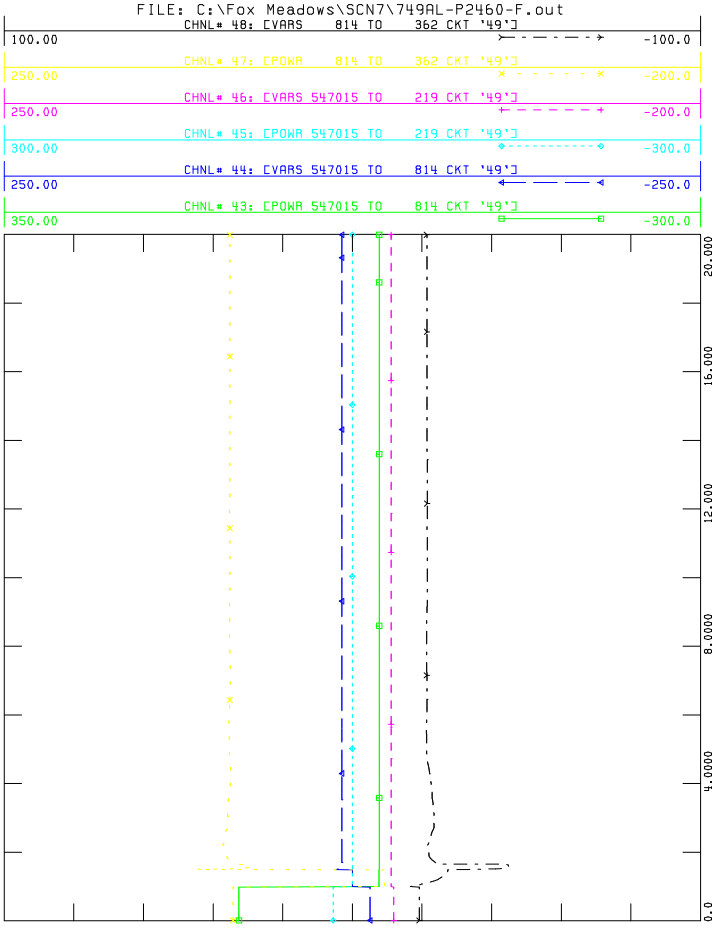
FILE: C:\Fox Meadows\SCN7\749AL-P2460-F.out



SUN, MAR 09 2025 7:10
VOLTAGE

AESO ABO FOX MEADOWS-2028 WP
749AL-P2460-FAR

FILE: C:\Fox Meadows\SCN7\749AL-P2460-F.out



SUN, MAR 09 2025 7:10
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 WP
748L-KILLARNEY-NEAR

FILE: C:\Fox Meadows\SCN7\748L-Killarney-N.out

SUN, MAR 09 2025 7:10

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J

5.0000 -3.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
748L-KILLARNEY-NEAR

FILE: C:\Fox Meadows\SCN7\748L-Killarney-N.out

SUN, MAR 09 2025 7:10

ANGLES

CHNL# 5: CPENG13,8J
CHNL# 4: CNOVA GT1J
CHNL# 2: CBAT#4J
CHNL# 1: CSHEER 1J

300.00 -200.0
200.00 -300.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
748L-KILLARNEY-NEAR

FILE: C:\Fox Meadows\SCN7\748L-Killarney-N.out

SUN, MAR 09 2025 7:10

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
CHNL# 34: CVOLT 19427 CNILAEMS 138.00JJ
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ

1.5000 0.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
748L-KILLARNEY-NEAR

FILE: C:\Fox Meadows\SCN7\748L-Killarney-N.out

SUN, MAR 09 2025 7:10

BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J

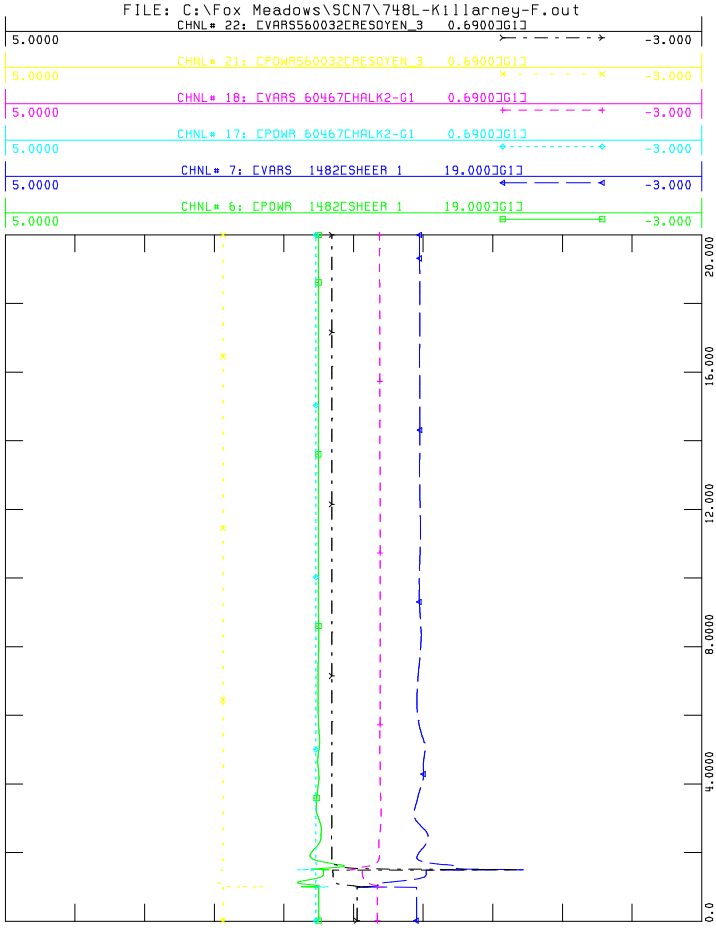
100.00 -100.0
250.00 -200.0
300.00 -250.0
350.00 -300.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
748L-KILLARNEY-FAR

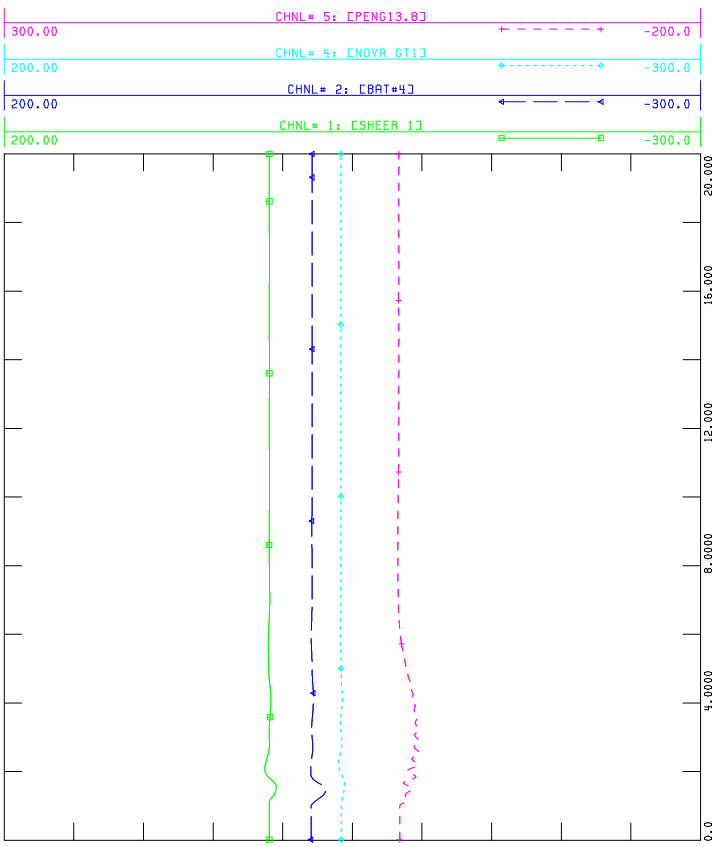
FILE: C:\Fox Meadows\SCN7\748L-Killarney-F.out



SUN, MAR 09 2025 7:10
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 WP
748L-KILLARNEY-FAR

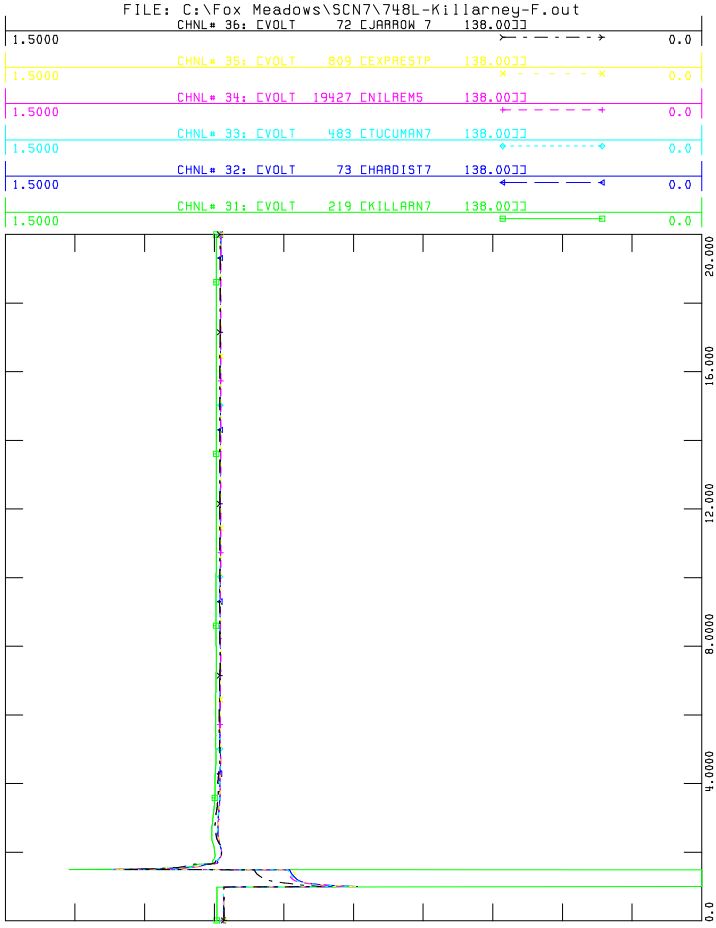
FILE: C:\Fox Meadows\SCN7\748L-Killarney-F.out



SUN, MAR 09 2025 7:10
ANGLES

AESO ABO FOX MEADOWS-2028 WP
748L-KILLARNEY-FAR

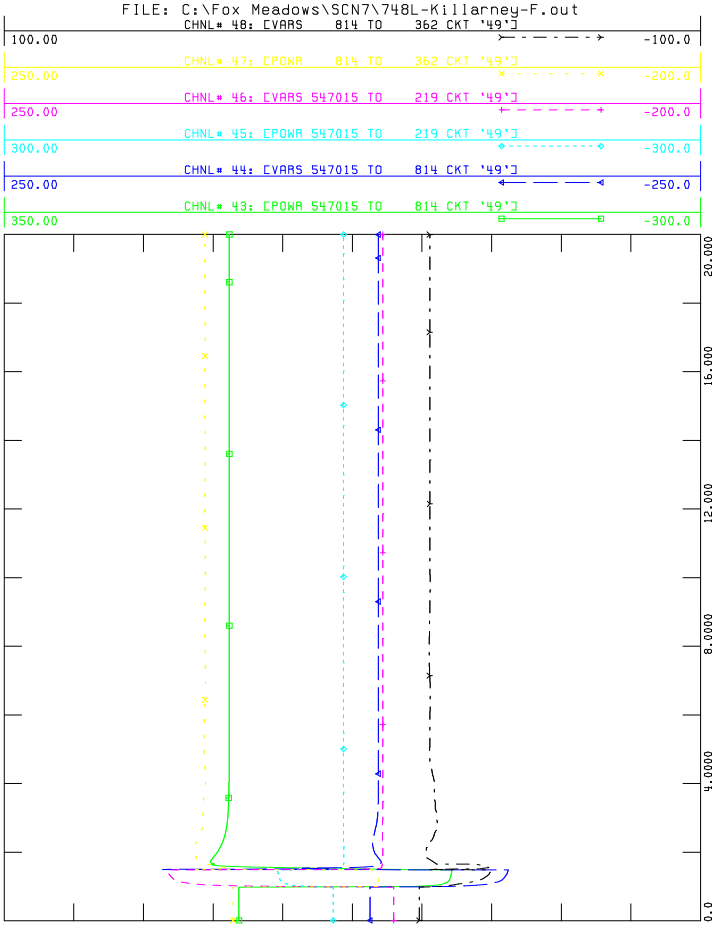
FILE: C:\Fox Meadows\SCN7\748L-Killarney-F.out



SUN, MAR 09 2025 7:10
VOLTAGE

AESO ABO FOX MEADOWS-2028 WP
748L-KILLARNEY-FAR

FILE: C:\Fox Meadows\SCN7\748L-Killarney-F.out



SUN, MAR 09 2025 7:10
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 WP
748L-HAYTER-NEAR

FILE: C:\Fox Meadows\SCN7\748-Hayter-N.out

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J

5.0000 -3.000

SUN, MAR 09 2025 7:10

ELECTRICAL POWER MW, MVAR

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
748L-HAYTER-NEAR

FILE: C:\Fox Meadows\SCN7\748-Hayter-N.out

CHNL# 5: CPENG13.8J
CHNL# 4: CNOVA GT1J
CHNL# 2: CBAT#4J
CHNL# 1: CSHEER 1J

300.00 -200.0
200.00 -300.0

SUN, MAR 09 2025 7:10

ANGLES

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
748L-HAYTER-NEAR

FILE: C:\Fox Meadows\SCN7\748-Hayter-N.out

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ

1.5000 0.0

SUN, MAR 09 2025 7:10

VOLTAGE

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
748L-HAYTER-NEAR

FILE: C:\Fox Meadows\SCN7\748-Hayter-N.out

CHNL# 48: CVARS 814 TO 362 CKT '49'J
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J

100.00 -100.0
250.00 -200.0
250.00 -200.0
300.00 -300.0
250.00 -250.0
350.00 -300.0

SUN, MAR 09 2025 7:10

BRANCH FLOW

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
748L-HAYTER-FAR

FILE: C:\Fox Meadows\SCN7\748-Hayter-F.out

SUN, MAR 09 2025 7:10

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J

5.0000 / -3.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
748L-HAYTER-FAR

FILE: C:\Fox Meadows\SCN7\748-Hayter-F.out

SUN, MAR 09 2025 7:10

ANGLES

CHNL# 5: CPENG13.8J
CHNL# 4: CNOVA GT1J
CHNL# 2: CBAT#4J
CHNL# 1: CSHEER 1J

300.00 / -200.0
200.00 / -300.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
748L-HAYTER-FAR

FILE: C:\Fox Meadows\SCN7\748-Hayter-F.out

SUN, MAR 09 2025 7:10

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ

1.5000 / 0.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
748L-HAYTER-FAR

FILE: C:\Fox Meadows\SCN7\748-Hayter-F.out

SUN, MAR 09 2025 7:10

BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J

100.00 / -100.0
250.00 / -200.0
250.00 / -200.0
300.00 / -300.0
250.00 / -250.0
350.00 / -300.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
398L-HAYTER-NEAR

FILE: C:\Fox Meadows\SCN7\398L-Hayter-N.out

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J

5.0000 / -3.000

SUN, MAR 09 2025 7:10

ELECTRICAL POWER MW, MVAR

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
398L-HAYTER-NEAR

FILE: C:\Fox Meadows\SCN7\398L-Hayter-N.out

CHNL# 5: CPENG13.8J
CHNL# 4: CNOVA GT1J
CHNL# 2: CBAT#4J
CHNL# 1: CSHEER 1J

300.00 / -200.0
200.00 / -300.0

SUN, MAR 09 2025 7:10

ANGLES

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
398L-HAYTER-NEAR

FILE: C:\Fox Meadows\SCN7\398L-Hayter-N.out

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ

1.5000 / 0.0

SUN, MAR 09 2025 7:10

VOLTAGE

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
398L-HAYTER-NEAR

FILE: C:\Fox Meadows\SCN7\398L-Hayter-N.out

CHNL# 48: CVARS 814 TO 362 CKT '49'J
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J

100.00 / -100.0
250.00 / -200.0
250.00 / -200.0
300.00 / -300.0
250.00 / -250.0
350.00 / -300.0

SUN, MAR 09 2025 7:10

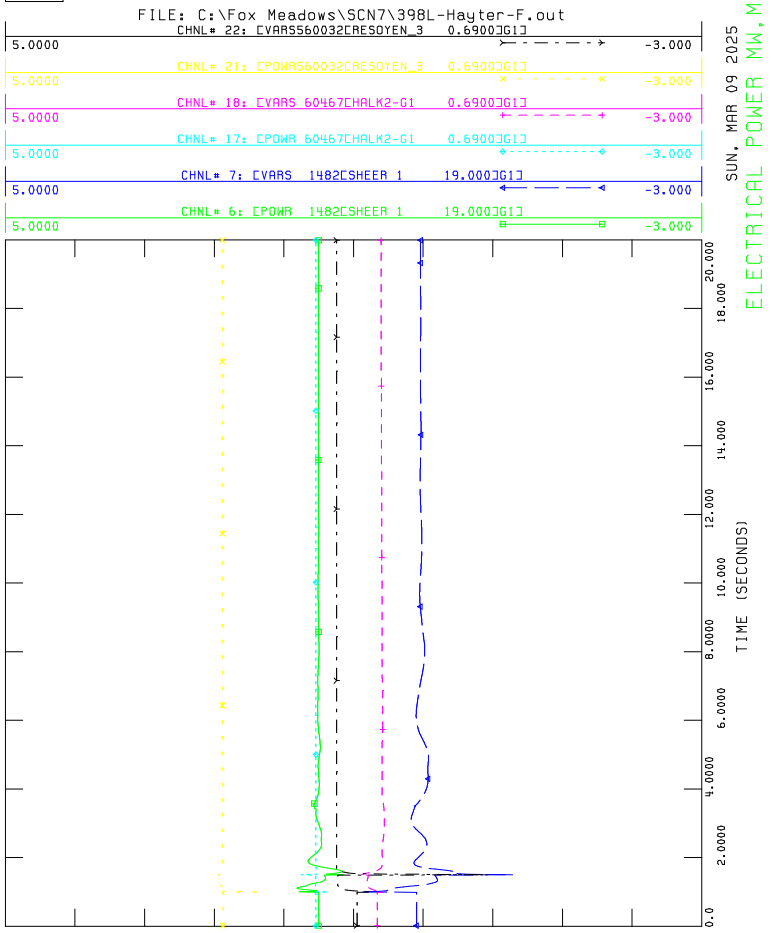
BRANCH FLOW

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
398L-HAYTER-FAR

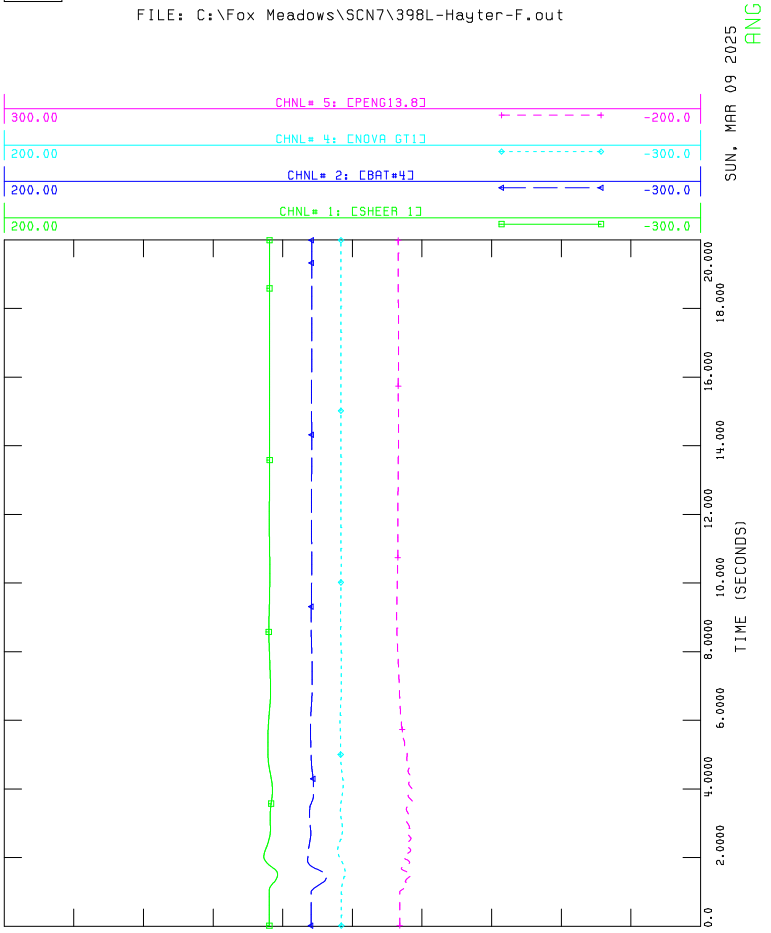
FILE: C:\Fox Meadows\SCN7\398L-Hayter-F.out



SUN, MAR 09 2025 7:10
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 WP
398L-HAYTER-FAR

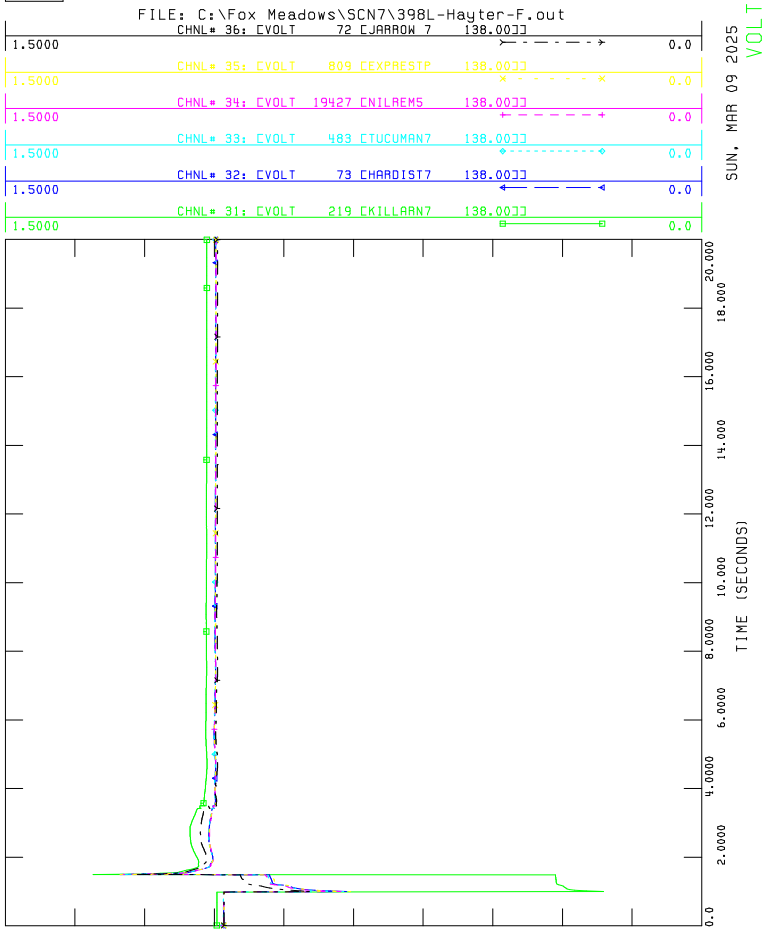
FILE: C:\Fox Meadows\SCN7\398L-Hayter-F.out



SUN, MAR 09 2025 7:10
ANGLES

AESO ABO FOX MEADOWS-2028 WP
398L-HAYTER-FAR

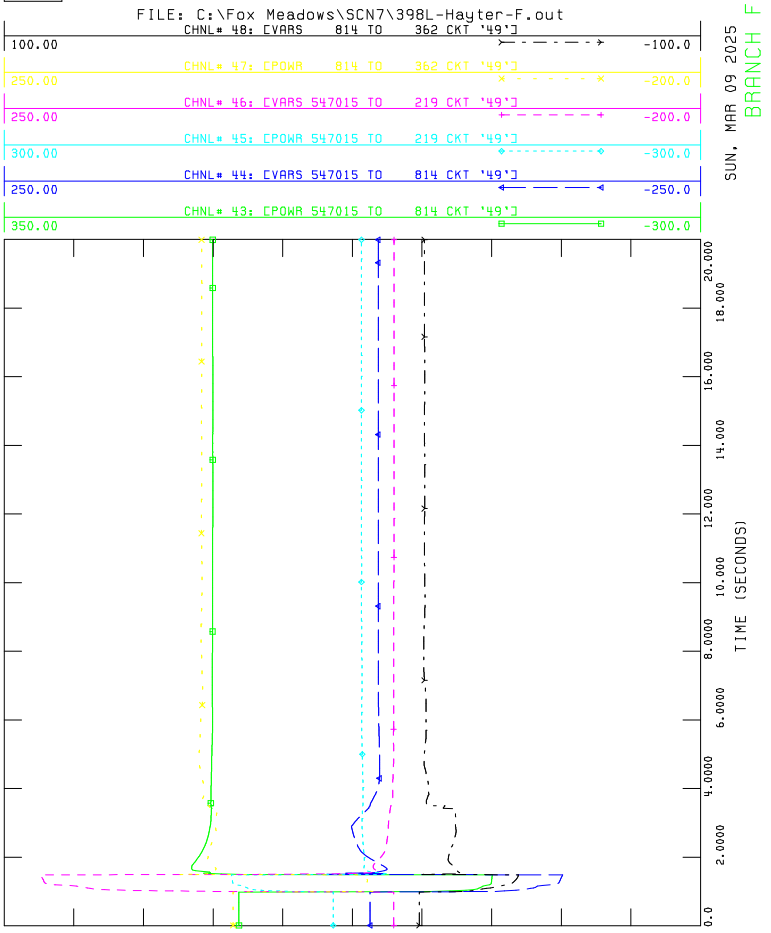
FILE: C:\Fox Meadows\SCN7\398L-Hayter-F.out



SUN, MAR 09 2025 7:10
VOLTAGE

AESO ABO FOX MEADOWS-2028 WP
398L-HAYTER-FAR

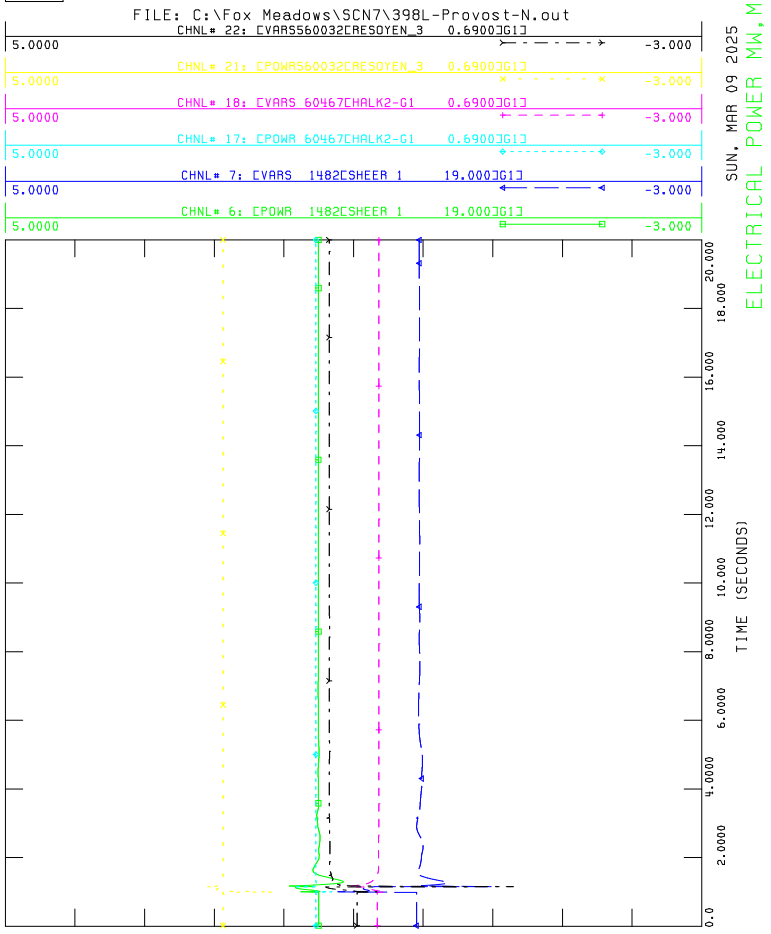
FILE: C:\Fox Meadows\SCN7\398L-Hayter-F.out



SUN, MAR 09 2025 7:10
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 WP
398L-PROVOST-NEAR

FILE: C:\Fox Meadows\SCN7\398L-Provost-N.out

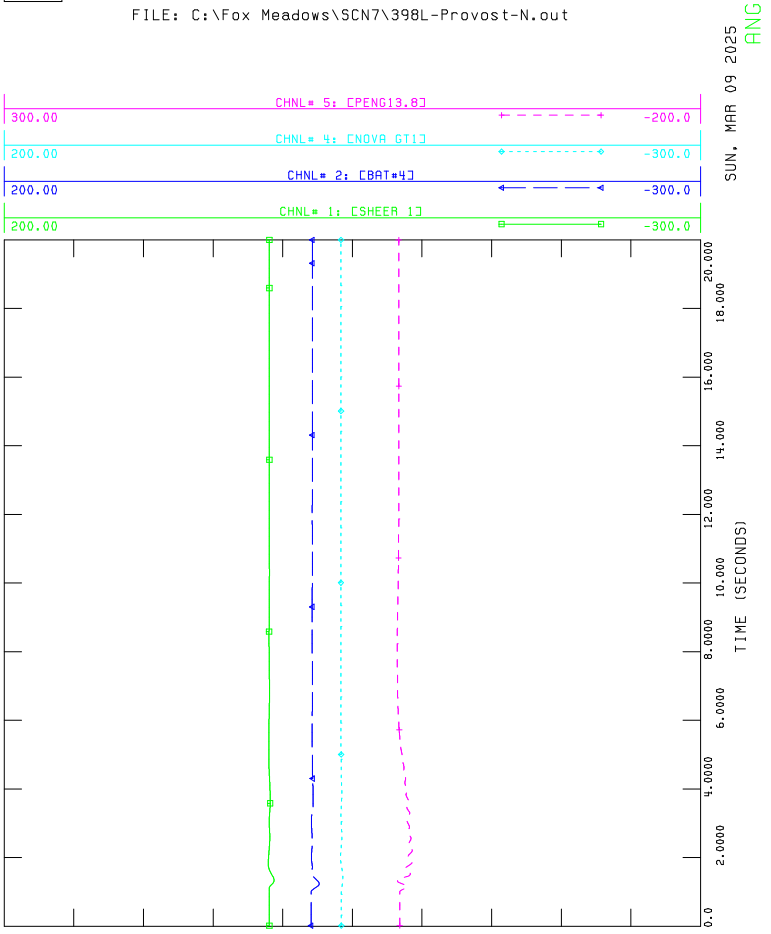


SUN, MAR 09 2025 7:11

ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 WP
398L-PROVOST-NEAR

FILE: C:\Fox Meadows\SCN7\398L-Provost-N.out

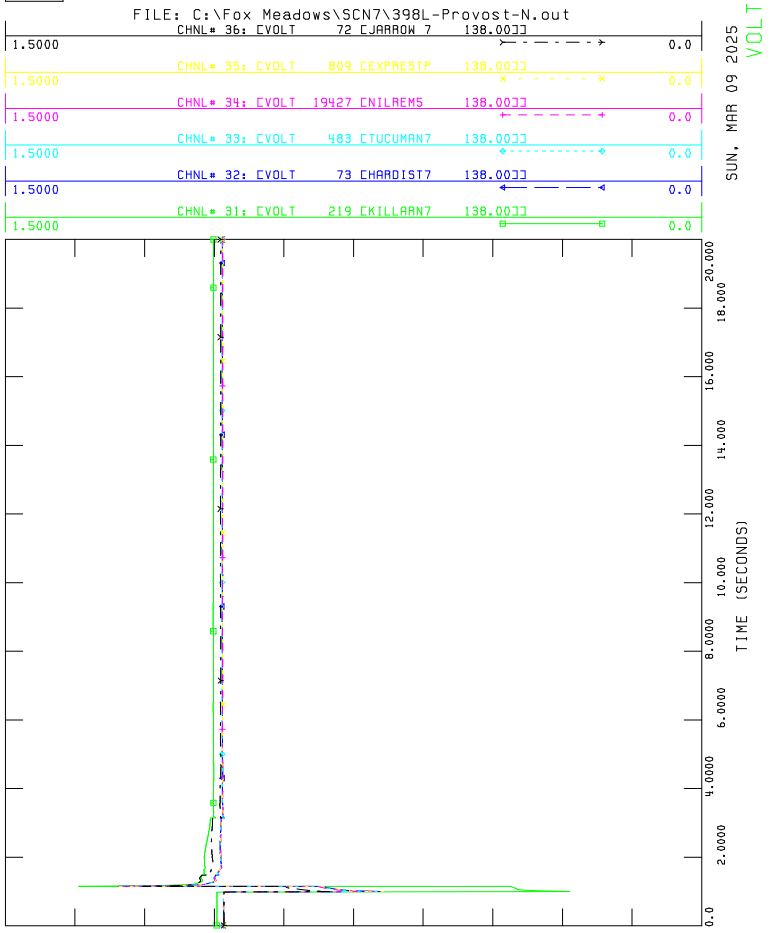


SUN, MAR 09 2025 7:11

ANGLES

AESO ABO FOX MEADOWS-2028 WP
398L-PROVOST-NEAR

FILE: C:\Fox Meadows\SCN7\398L-Provost-N.out

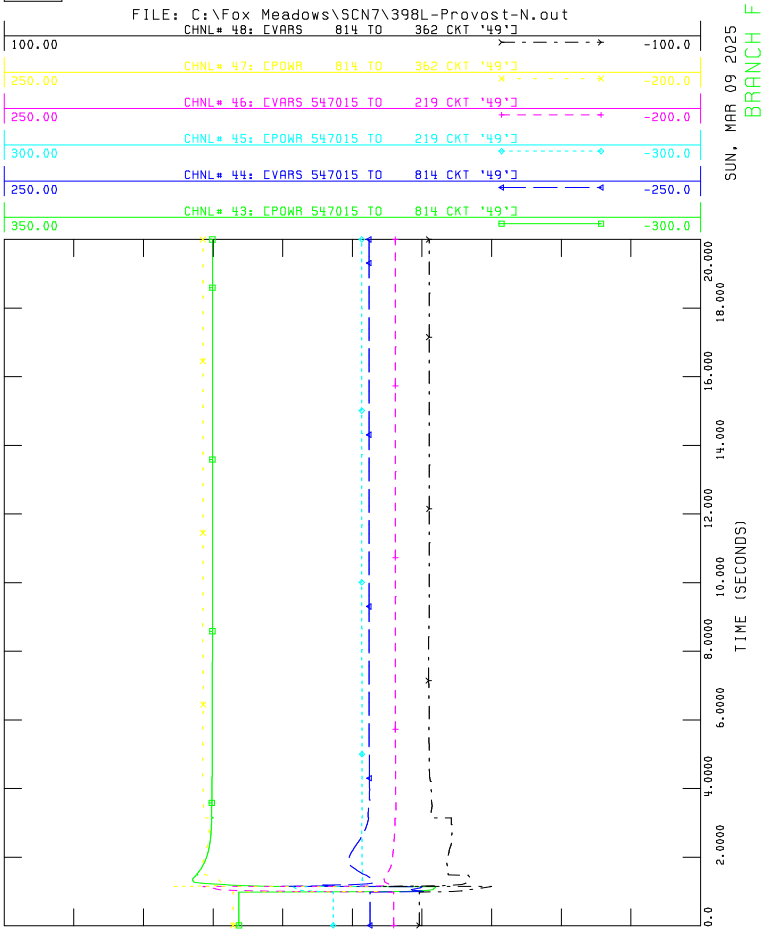


SUN, MAR 09 2025 7:11

VOLTAGE

AESO ABO FOX MEADOWS-2028 WP
398L-PROVOST-NEAR

FILE: C:\Fox Meadows\SCN7\398L-Provost-N.out

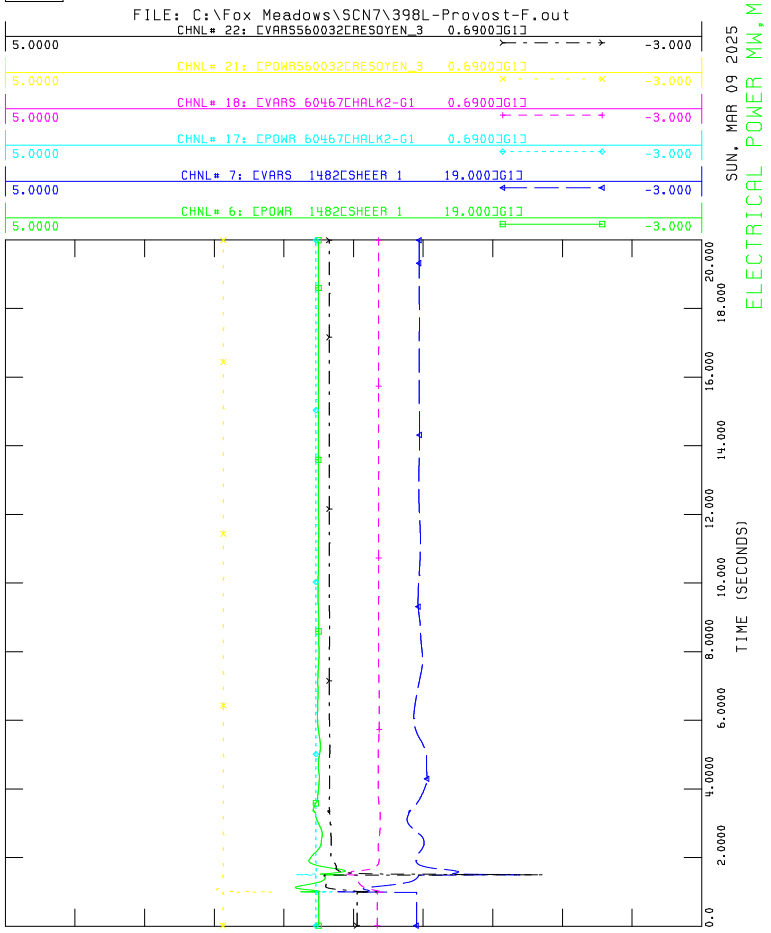


SUN, MAR 09 2025 7:11

BRANCH FLOW

AESO ABO FOX MEADOWS-2028 WP
398L-PROVOST-FAR

FILE: C:\Fox Meadows\SCN7\398L-Provost-F.out

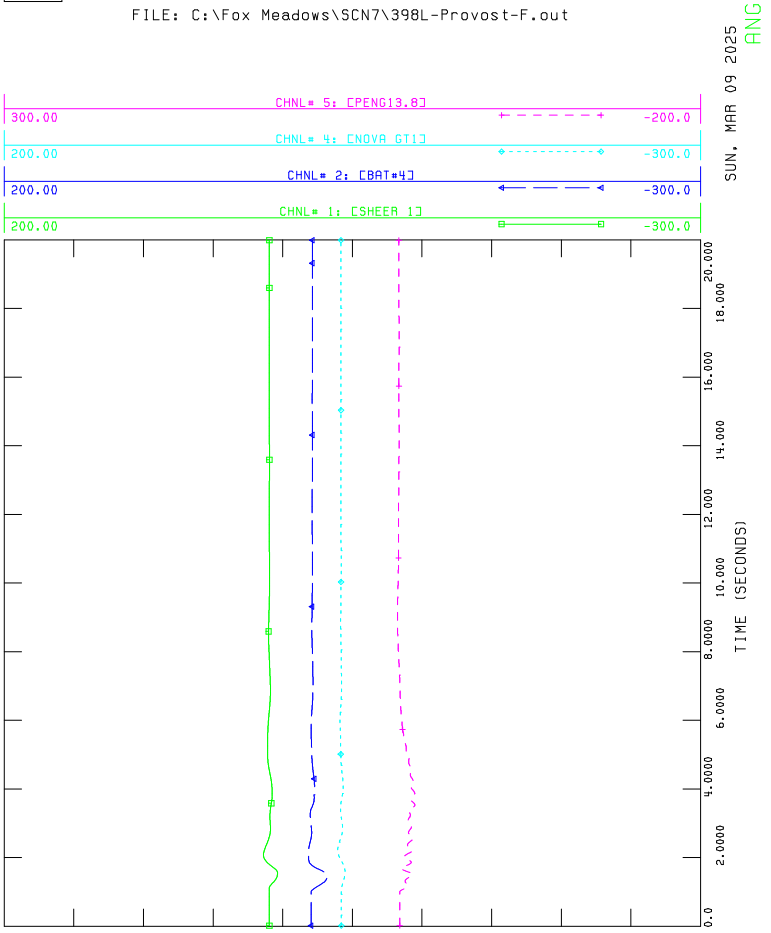


SUN, MAR 09 2025 7:11

ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 WP
398L-PROVOST-FAR

FILE: C:\Fox Meadows\SCN7\398L-Provost-F.out

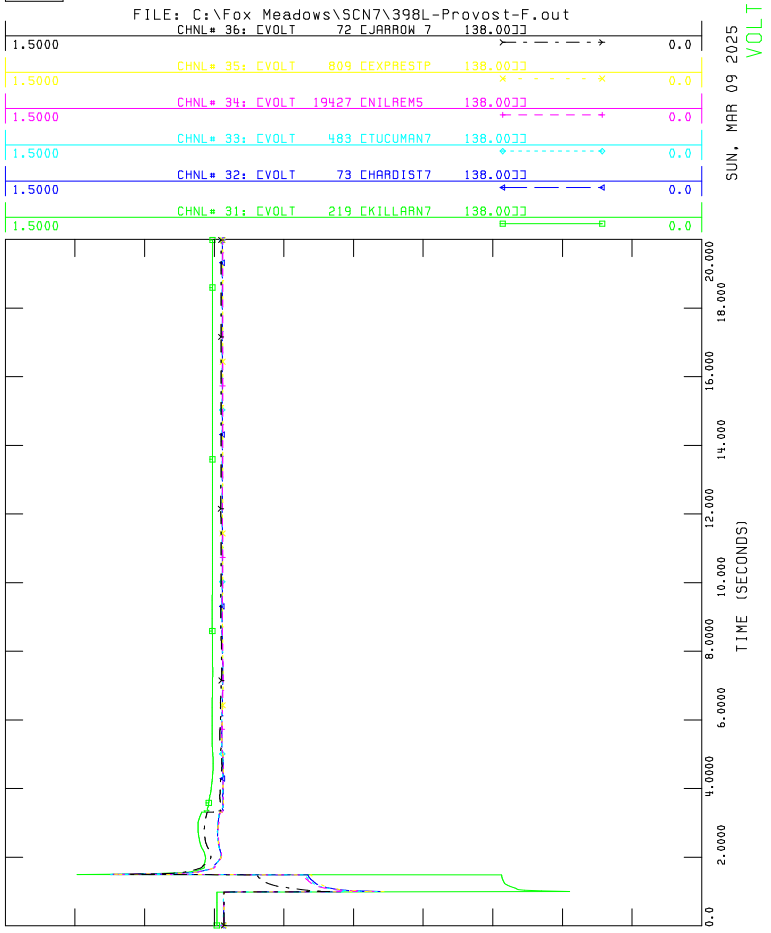


SUN, MAR 09 2025 7:11

ANGLES

AESO ABO FOX MEADOWS-2028 WP
398L-PROVOST-FAR

FILE: C:\Fox Meadows\SCN7\398L-Provost-F.out

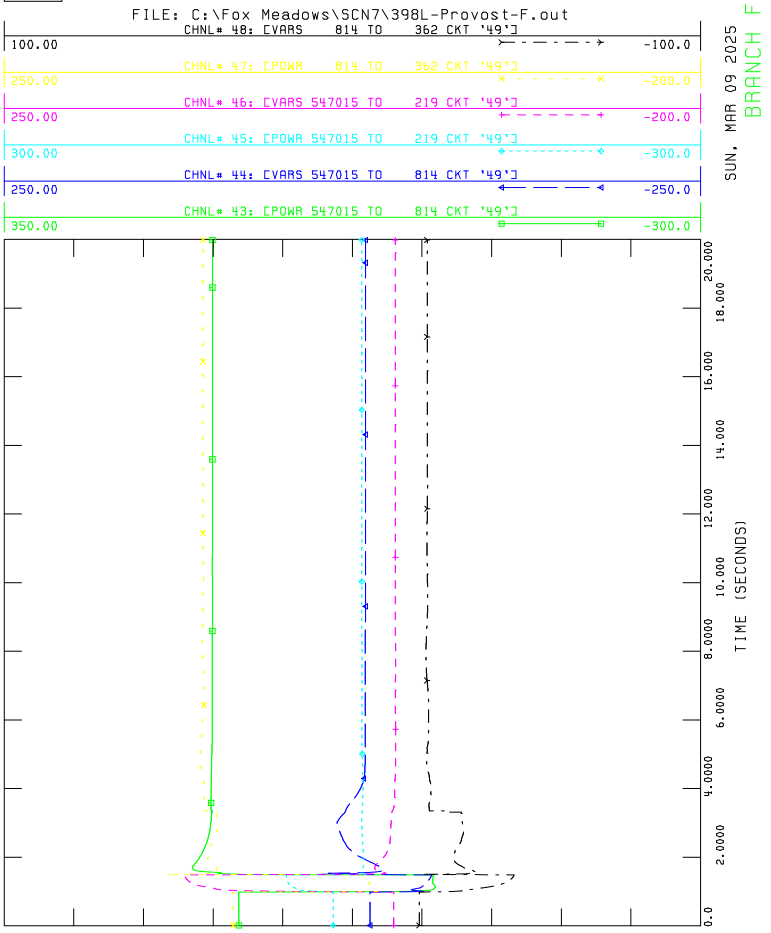


SUN, MAR 09 2025 7:11

VOLTAGE

AESO ABO FOX MEADOWS-2028 WP
398L-PROVOST-FAR

FILE: C:\Fox Meadows\SCN7\398L-Provost-F.out



SUN, MAR 09 2025 7:11

BRANCH FLOW

AESO ABO FOX MEADOWS-2028 WP
681L-TUCUMAN-NEAR

FILE: C:\Fox Meadows\SCN7\681L-Tucuman-N.out

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J

5.0000 / -3.000

SUN, MAR 09 2025 7:11

ELECTRICAL POWER MW, MVAR

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
681L-TUCUMAN-NEAR

FILE: C:\Fox Meadows\SCN7\681L-Tucuman-N.out

CHNL# 5: CPENG13.8J
CHNL# 4: CNOVA GT1J
CHNL# 2: CBAT#4J
CHNL# 1: CSHEER 1J

300.00 / -200.0
200.00 / -300.0

SUN, MAR 09 2025 7:11

ANGLES

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
681L-TUCUMAN-NEAR

FILE: C:\Fox Meadows\SCN7\681L-Tucuman-N.out

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ

1.5000 / 0.0

SUN, MAR 09 2025 7:11

VOLTAGE

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
681L-TUCUMAN-NEAR

FILE: C:\Fox Meadows\SCN7\681L-Tucuman-N.out

CHNL# 48: CVARS 814 TO 362 CKT '49'J
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J

100.00 / -100.0
250.00 / -200.0
250.00 / -200.0
300.00 / -300.0
250.00 / -250.0
350.00 / -300.0

SUN, MAR 09 2025 7:11

BRANCH FLOW

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
681L-TUCUMAN-FAR

FILE: C:\Fox Meadows\SCN7\681L-Tucuman.out

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J

5.0000 / -3.000

SUN, MAR 09 2025 7:11

ELECTRICAL POWER MW, MVAR

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
681L-TUCUMAN-FAR

FILE: C:\Fox Meadows\SCN7\681L-Tucuman.out

CHNL# 5: CPENG13.8J
CHNL# 4: CNOVA GT1J
CHNL# 2: CBAT#4J
CHNL# 1: CSHEER 1J

300.00 / -200.0
200.00 / -300.0
200.00 / -300.0
200.00 / -300.0

SUN, MAR 09 2025 7:11

ANGLES

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
681L-TUCUMAN-FAR

FILE: C:\Fox Meadows\SCN7\681L-Tucuman.out

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ

1.5000 / 0.0

SUN, MAR 09 2025 7:11

VOLTAGE

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
681L-TUCUMAN-FAR

FILE: C:\Fox Meadows\SCN7\681L-Tucuman.out

CHNL# 48: CVARS 814 TO 362 CKT '49'J
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J

100.00 / -100.0
250.00 / -200.0
250.00 / -200.0
300.00 / -300.0
250.00 / -250.0
350.00 / -300.0

SUN, MAR 09 2025 7:11

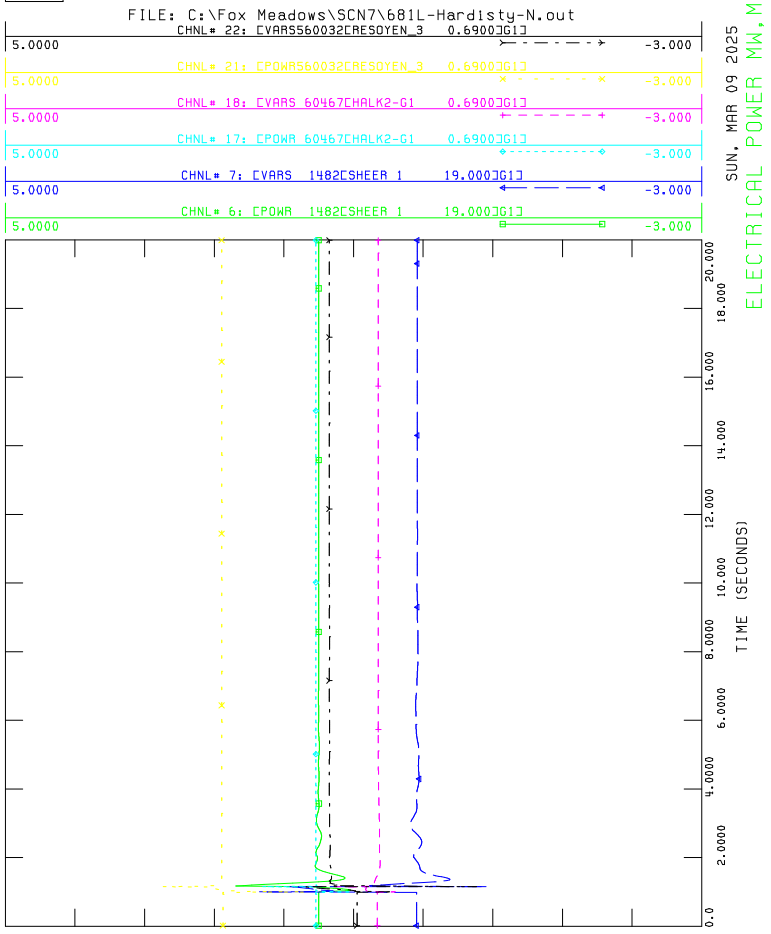
BRANCH FLOW

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
681L-HARDISTY-NEAR

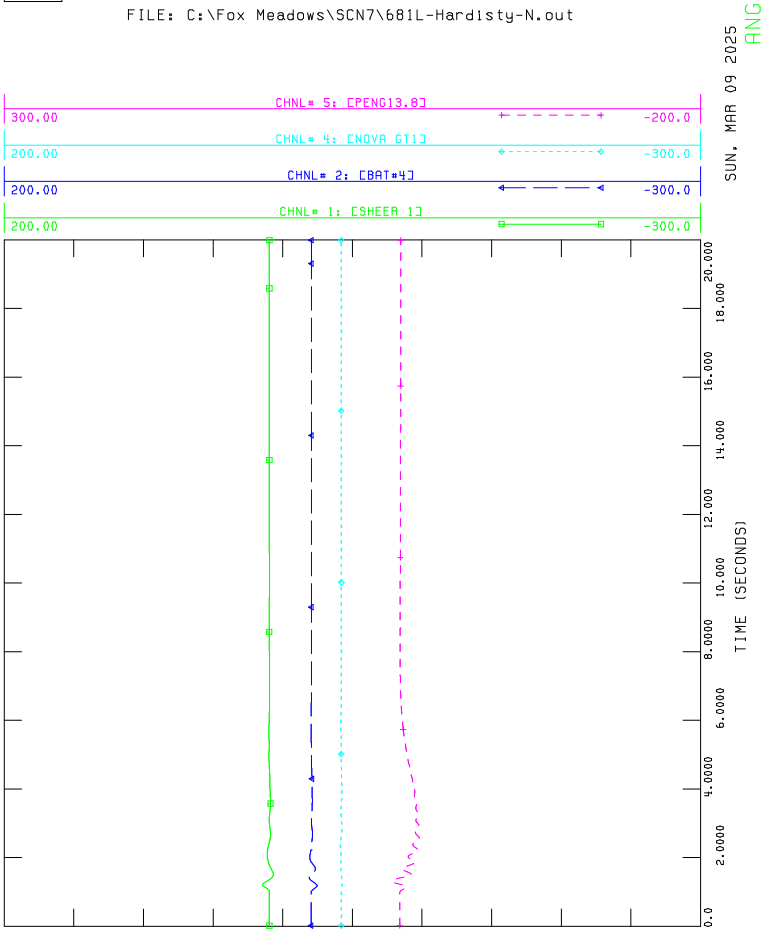
FILE: C:\Fox Meadows\SCN7\681L-Hardisty-N.out



SUN, MAR 09 2025 7:11
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 WP
681L-HARDISTY-NEAR

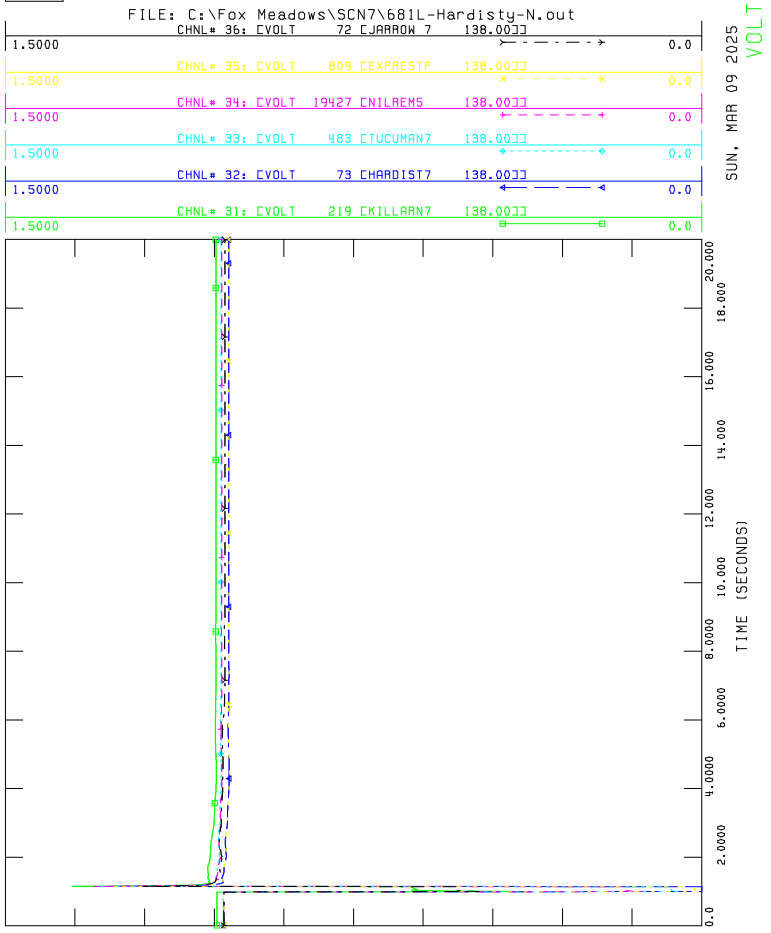
FILE: C:\Fox Meadows\SCN7\681L-Hardisty-N.out



SUN, MAR 09 2025 7:11
ANGLES

AESO ABO FOX MEADOWS-2028 WP
681L-HARDISTY-NEAR

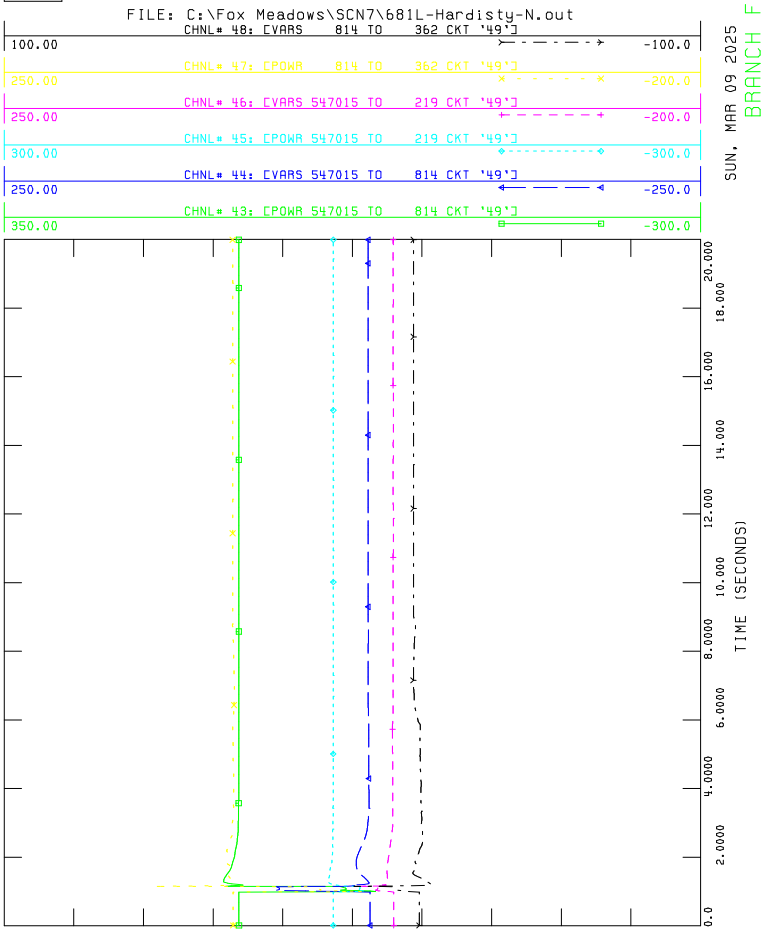
FILE: C:\Fox Meadows\SCN7\681L-Hardisty-N.out



SUN, MAR 09 2025 7:11
VOLTAGE

AESO ABO FOX MEADOWS-2028 WP
681L-HARDISTY-NEAR

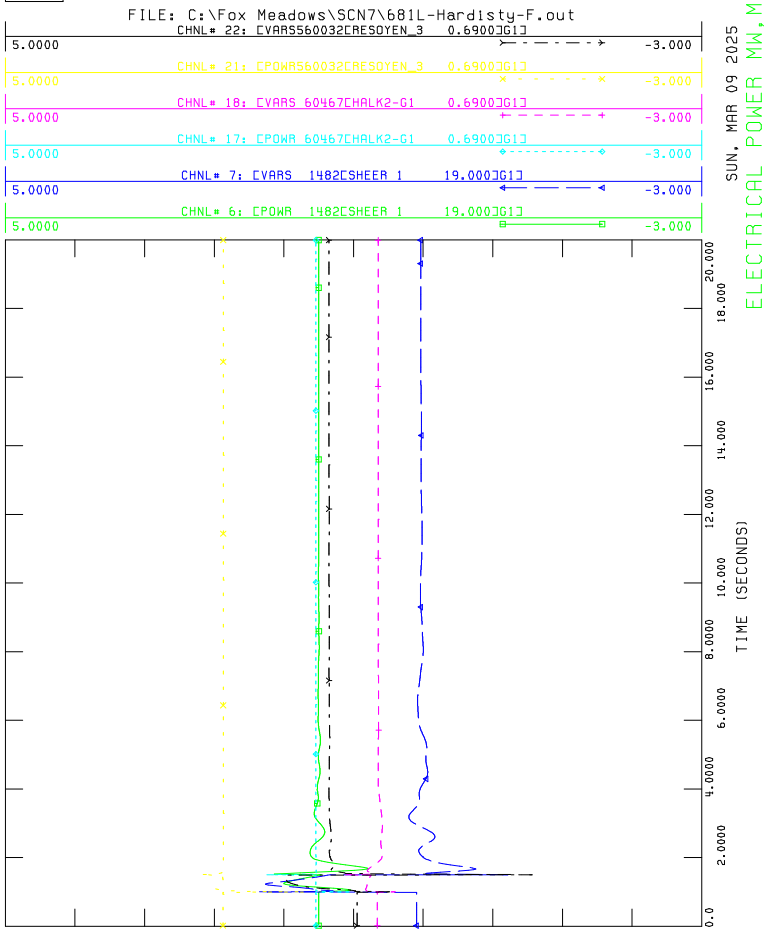
FILE: C:\Fox Meadows\SCN7\681L-Hardisty-N.out



SUN, MAR 09 2025 7:11
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 WP
681L-HARDISTY-FAR

FILE: C:\Fox Meadows\SCN7\681L-Hardisty-F.out

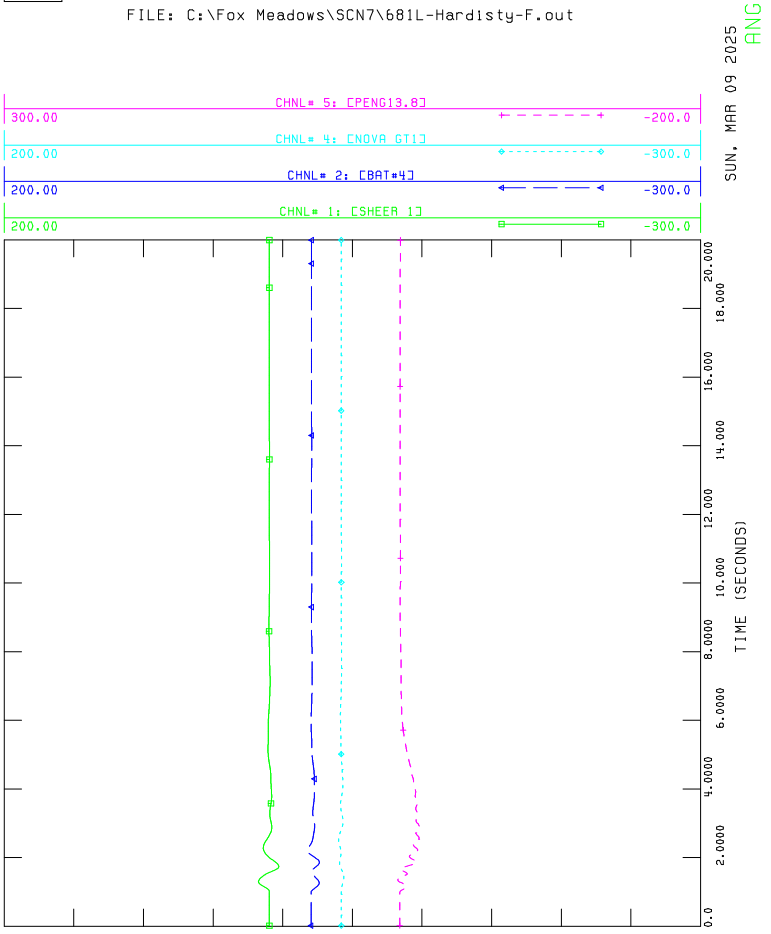


SUN, MAR 09 2025 7:11

ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 WP
681L-HARDISTY-FAR

FILE: C:\Fox Meadows\SCN7\681L-Hardisty-F.out

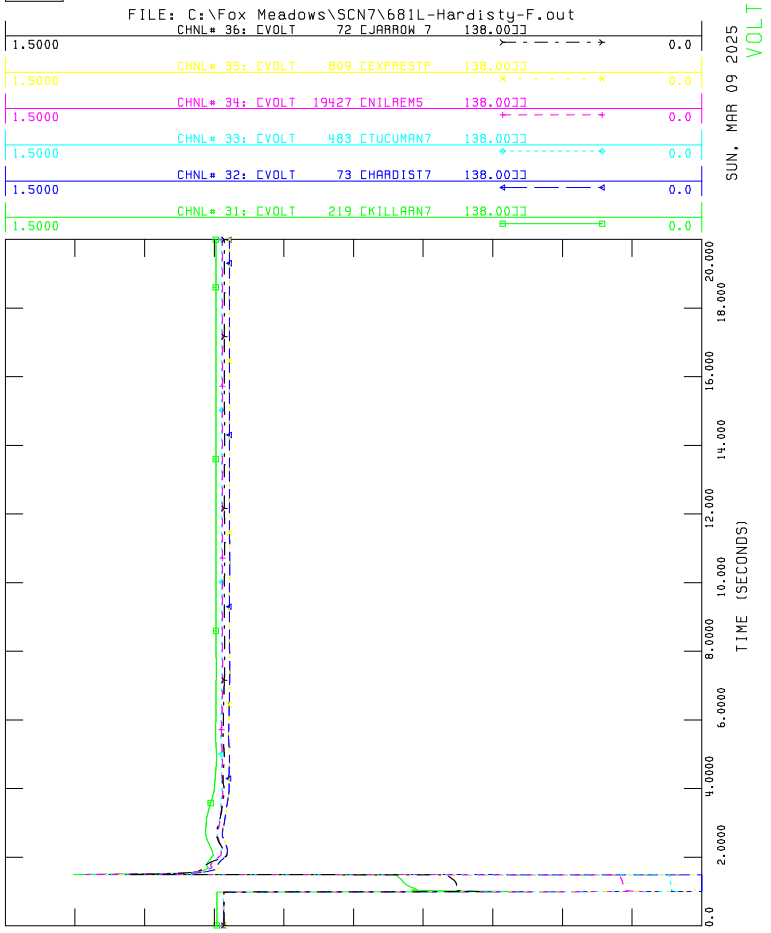


SUN, MAR 09 2025 7:11

ANGLES

AESO ABO FOX MEADOWS-2028 WP
681L-HARDISTY-FAR

FILE: C:\Fox Meadows\SCN7\681L-Hardisty-F.out

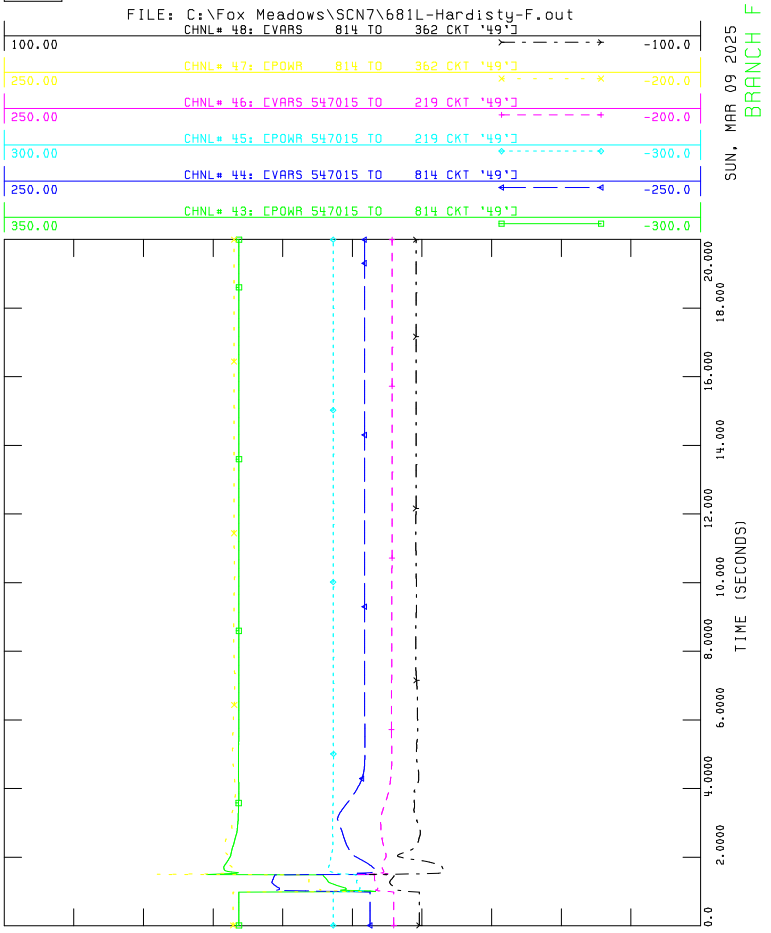


SUN, MAR 09 2025 7:11

VOLTAGE

AESO ABO FOX MEADOWS-2028 WP
681L-HARDISTY-FAR

FILE: C:\Fox Meadows\SCN7\681L-Hardisty-F.out

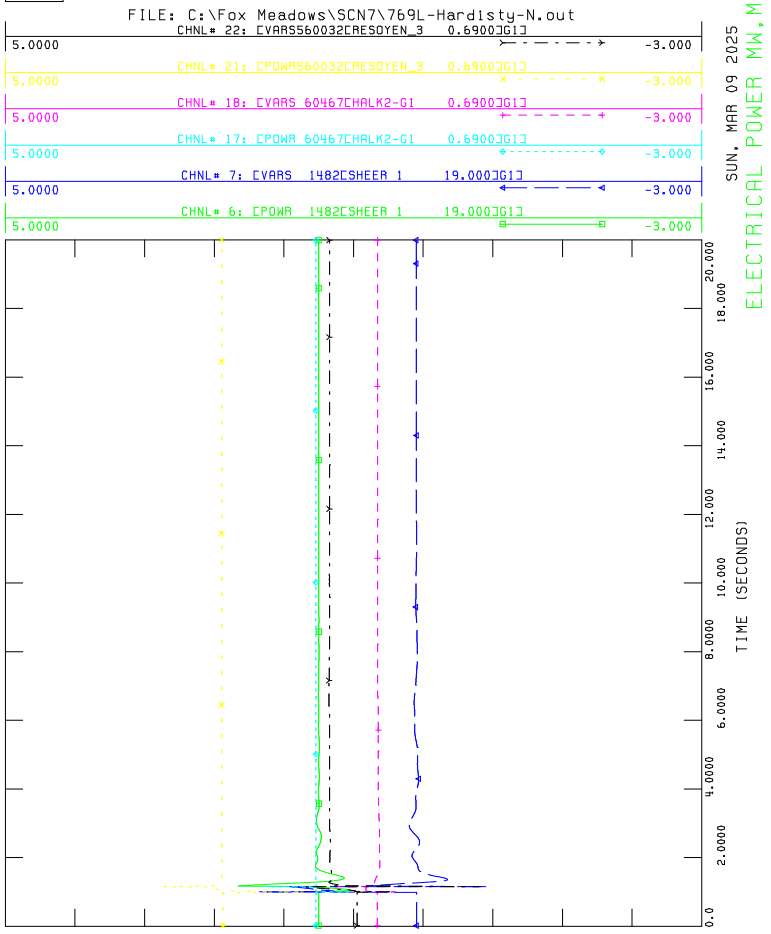


SUN, MAR 09 2025 7:11

BRANCH FLOW

AESO ABO FOX MEADOWS-2028 WP
769L-HARDISTY-NEAR

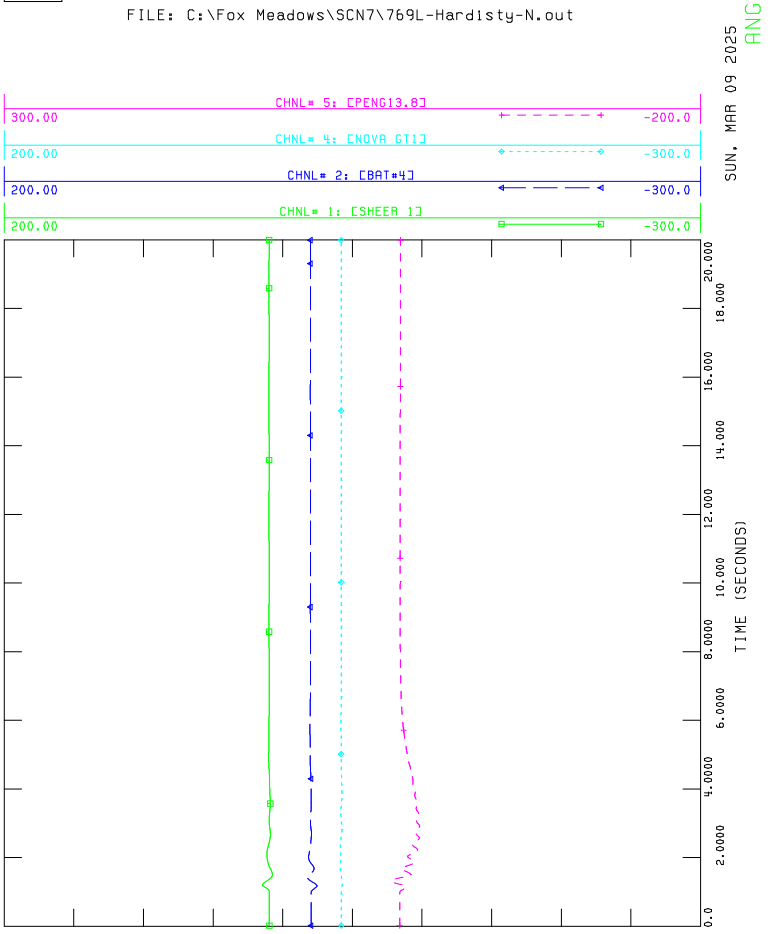
FILE: C:\Fox Meadows\SCN7\769L-Hardisty-N.out



SUN, MAR 09 2025 7:11
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 WP
769L-HARDISTY-NEAR

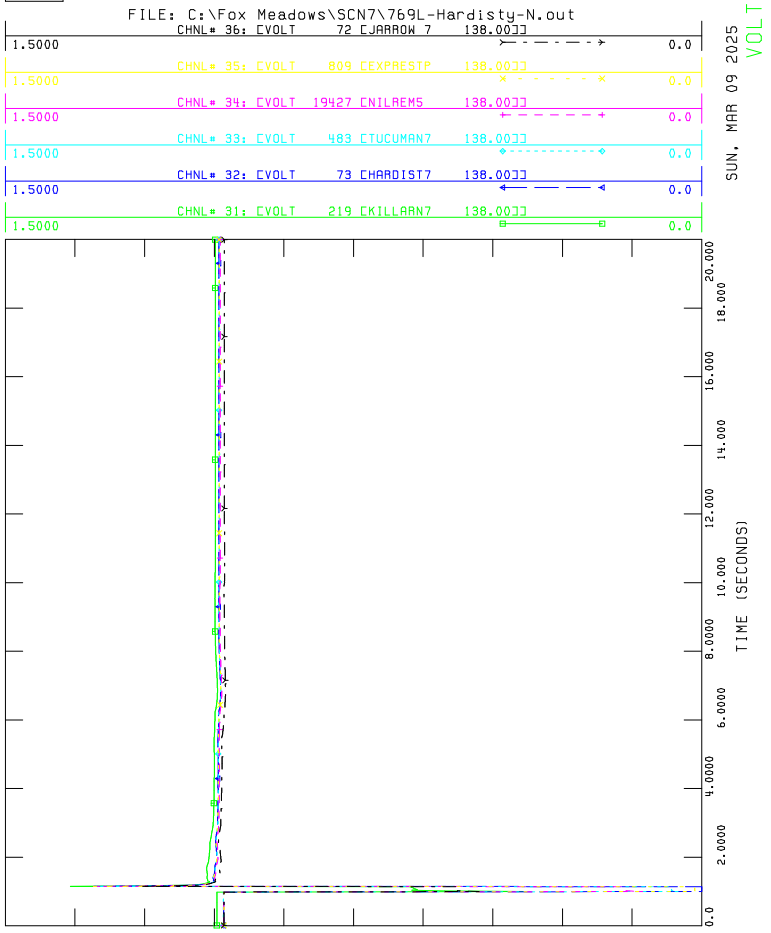
FILE: C:\Fox Meadows\SCN7\769L-Hardisty-N.out



SUN, MAR 09 2025 7:11
ANGLES

AESO ABO FOX MEADOWS-2028 WP
769L-HARDISTY-NEAR

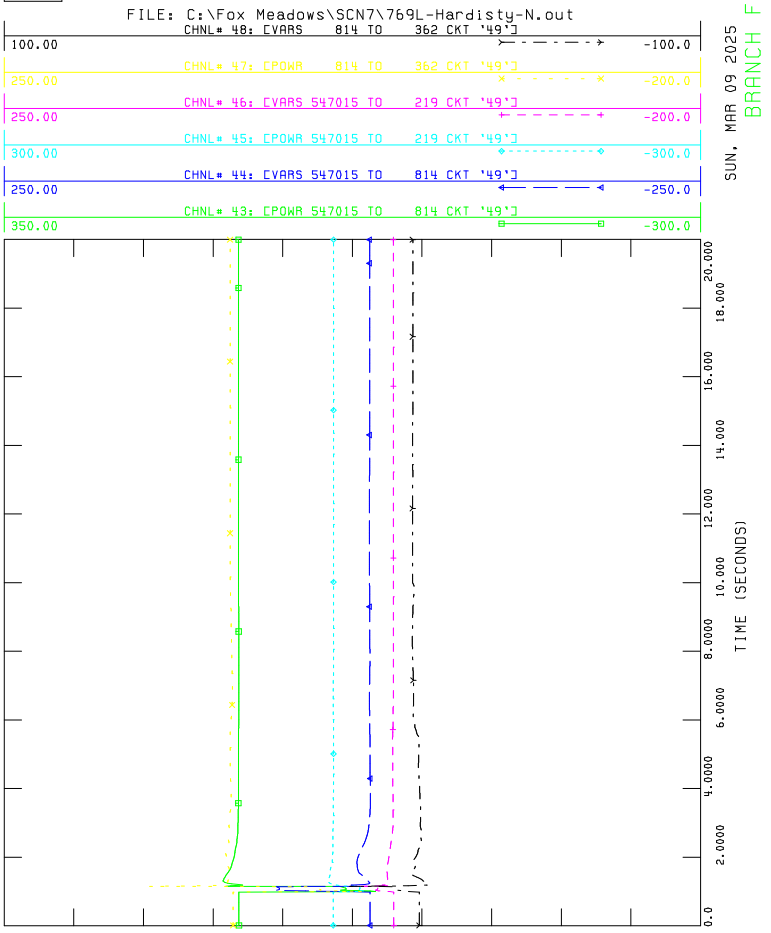
FILE: C:\Fox Meadows\SCN7\769L-Hardisty-N.out



SUN, MAR 09 2025 7:11
VOLTAGE

AESO ABO FOX MEADOWS-2028 WP
769L-HARDISTY-NEAR

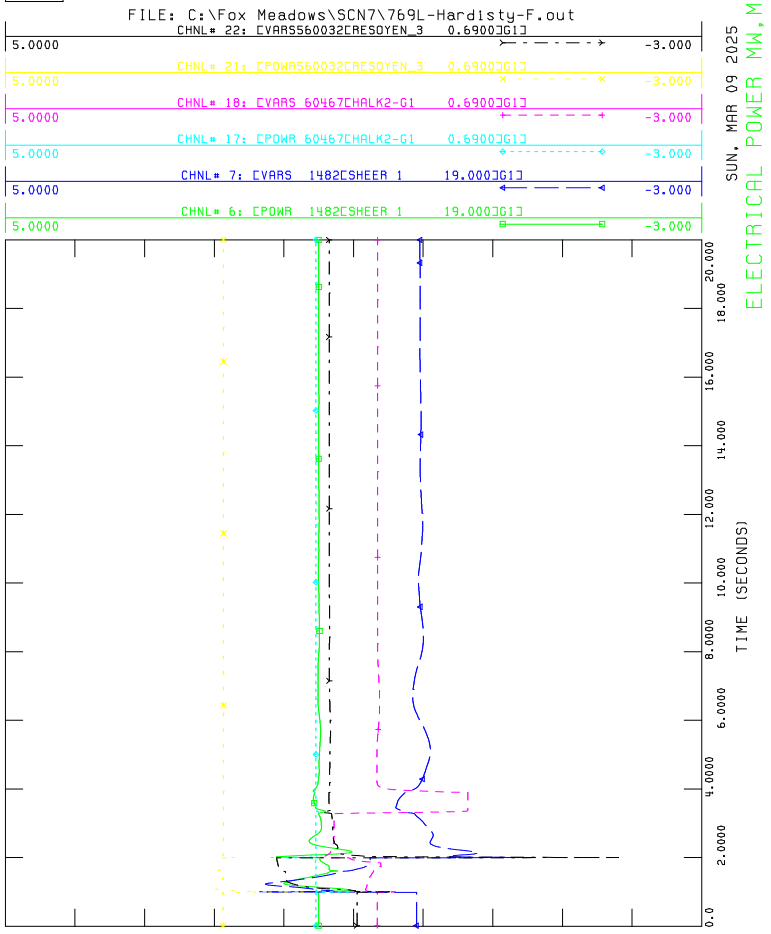
FILE: C:\Fox Meadows\SCN7\769L-Hardisty-N.out



SUN, MAR 09 2025 7:11
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 WP
769L-HARDISTY-FAR

FILE: C:\Fox Meadows\SCN7\769L-Hardisty-F.out

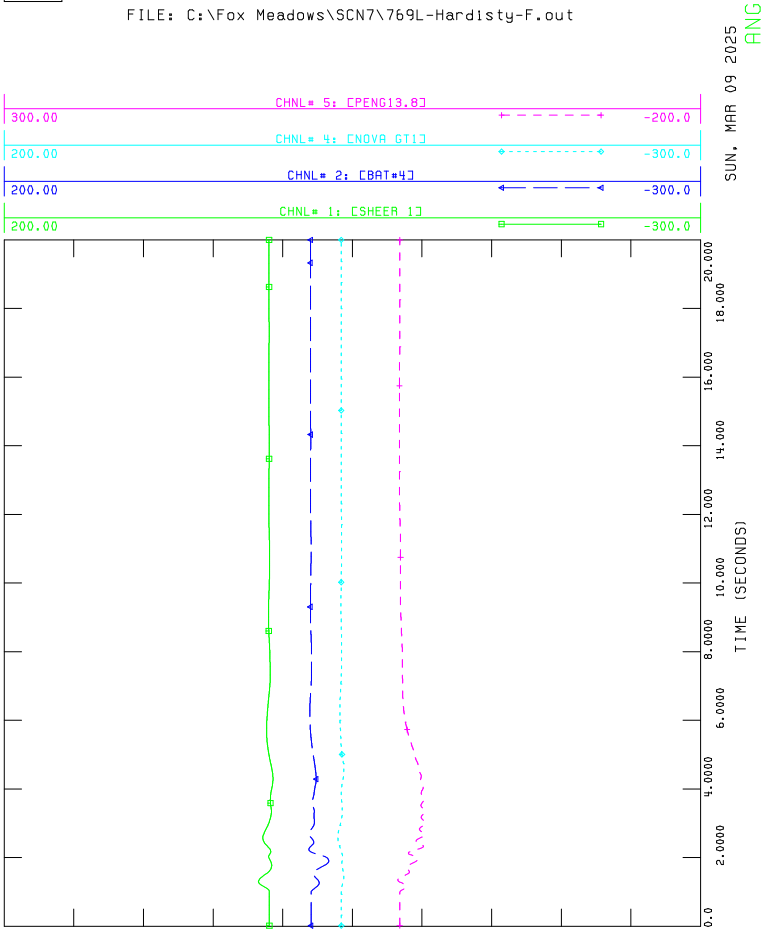


SUN, MAR 09 2025 7:11

ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 WP
769L-HARDISTY-FAR

FILE: C:\Fox Meadows\SCN7\769L-Hardisty-F.out

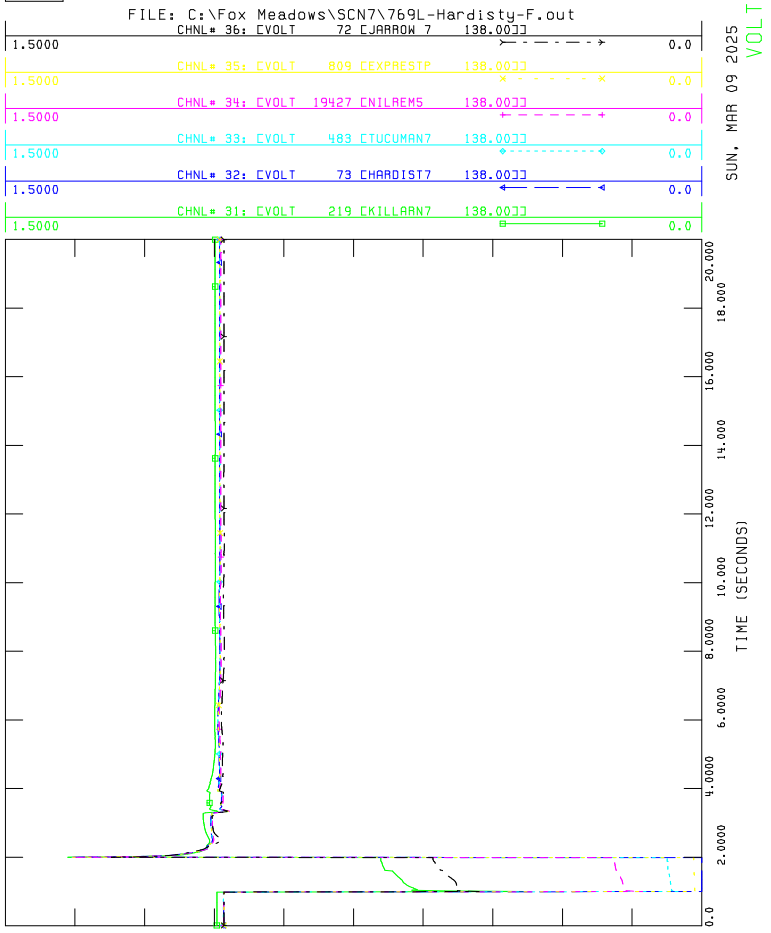


SUN, MAR 09 2025 7:11

ANGLES

AESO ABO FOX MEADOWS-2028 WP
769L-HARDISTY-FAR

FILE: C:\Fox Meadows\SCN7\769L-Hardisty-F.out

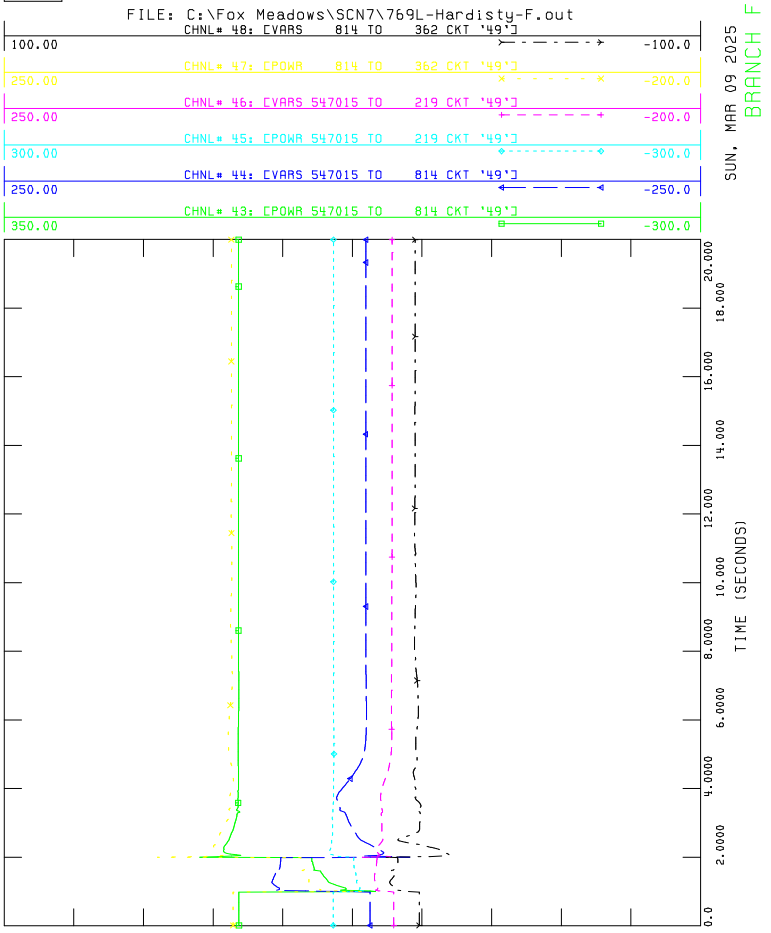


SUN, MAR 09 2025 7:11

VOLTAGE

AESO ABO FOX MEADOWS-2028 WP
769L-HARDISTY-FAR

FILE: C:\Fox Meadows\SCN7\769L-Hardisty-F.out



SUN, MAR 09 2025 7:11

BRANCH FLOW

AESO ABO FOX MEADOWS-2028 WP
769L-ROSYTH-NEAR

FILE: C:\Fox Meadows\SCN7\769L-Rosyth-N.out

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J

5.0000 / -3.000

SUN, MAR 09 2025 7:11

ELECTRICAL POWER MW, MVAR

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
769L-ROSYTH-NEAR

FILE: C:\Fox Meadows\SCN7\769L-Rosyth-N.out

CHNL# 5: CPENG13,8J
CHNL# 4: CNOVA GT1J
CHNL# 2: CBAT#4J
CHNL# 1: CSHEER 1J

300.00 / -200.0
200.00 / -300.0

SUN, MAR 09 2025 7:11

ANGLES

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
769L-ROSYTH-NEAR

FILE: C:\Fox Meadows\SCN7\769L-Rosyth-N.out

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
CHNL# 34: CVOLT 19427 CNILREMS 138.00JJ
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ

1.5000 / 0.0

SUN, MAR 09 2025 7:11

VOLTAGE

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
769L-ROSYTH-NEAR

FILE: C:\Fox Meadows\SCN7\769L-Rosyth-N.out

CHNL# 48: CVARS 814 TO 362 CKT '49'J
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J

100.00 / -100.0
250.00 / -200.0
300.00 / -300.0
250.00 / -250.0
350.00 / -300.0

SUN, MAR 09 2025 7:11

BRANCH FLOW

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
769L-ROSYTH-FAR

FILE: C:\Fox Meadows\SCN7\769L-Rosyth-F.out

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J

5.0000 / -3.000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

SUN, MAR 09 2025 7:11 ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 WP
769L-ROSYTH-FAR

FILE: C:\Fox Meadows\SCN7\769L-Rosyth-F.out

CHNL# 5: CPENG13.8J
CHNL# 4: CNOVA GT1J
CHNL# 2: CBAT#4J
CHNL# 1: CSHEER 1J

300.00 / -200.0
200.00 / -300.0

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

SUN, MAR 09 2025 7:11 ANGLES

AESO ABO FOX MEADOWS-2028 WP
769L-ROSYTH-FAR

FILE: C:\Fox Meadows\SCN7\769L-Rosyth-F.out

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ

1.5000 / 0.0

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

SUN, MAR 09 2025 7:11 VOLTAGE

AESO ABO FOX MEADOWS-2028 WP
769L-ROSYTH-FAR

FILE: C:\Fox Meadows\SCN7\769L-Rosyth-F.out

CHNL# 48: CVARS 814 TO 362 CKT '49'J
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J

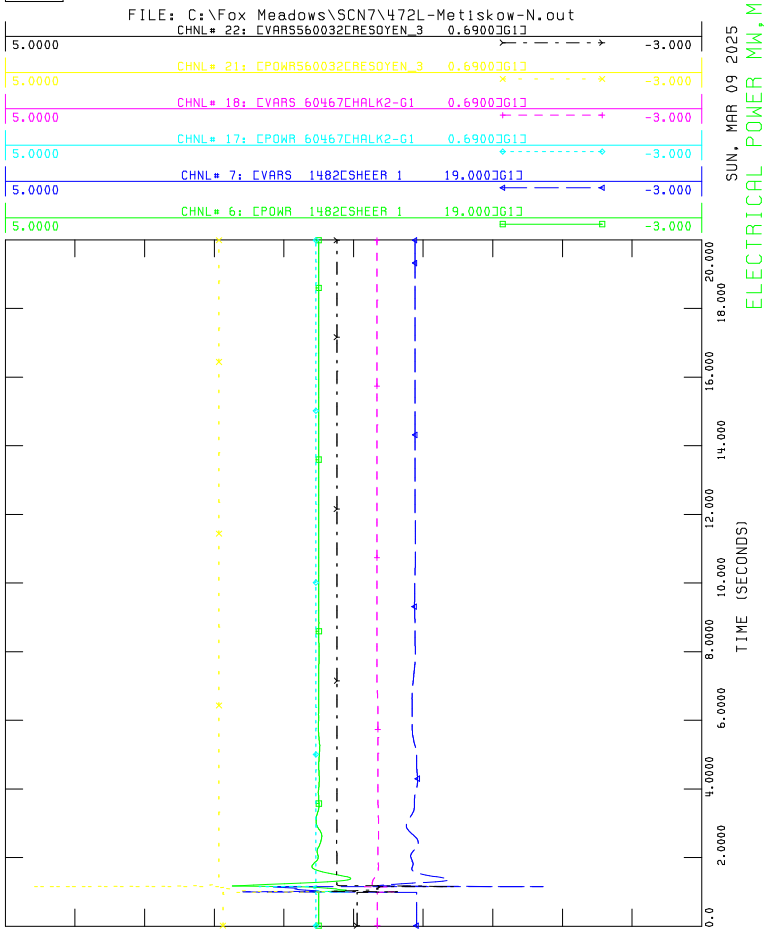
100.00 / -100.0
250.00 / -200.0
250.00 / -200.0
300.00 / -300.0
250.00 / -250.0
350.00 / -300.0

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

SUN, MAR 09 2025 7:11 BRANCH FLOW

AESO ABO FOX MEADOWS-2028 WP
472L-METISKOW-NEAR

FILE: C:\Fox Meadows\SCN7\472L-Metiskow-N.out

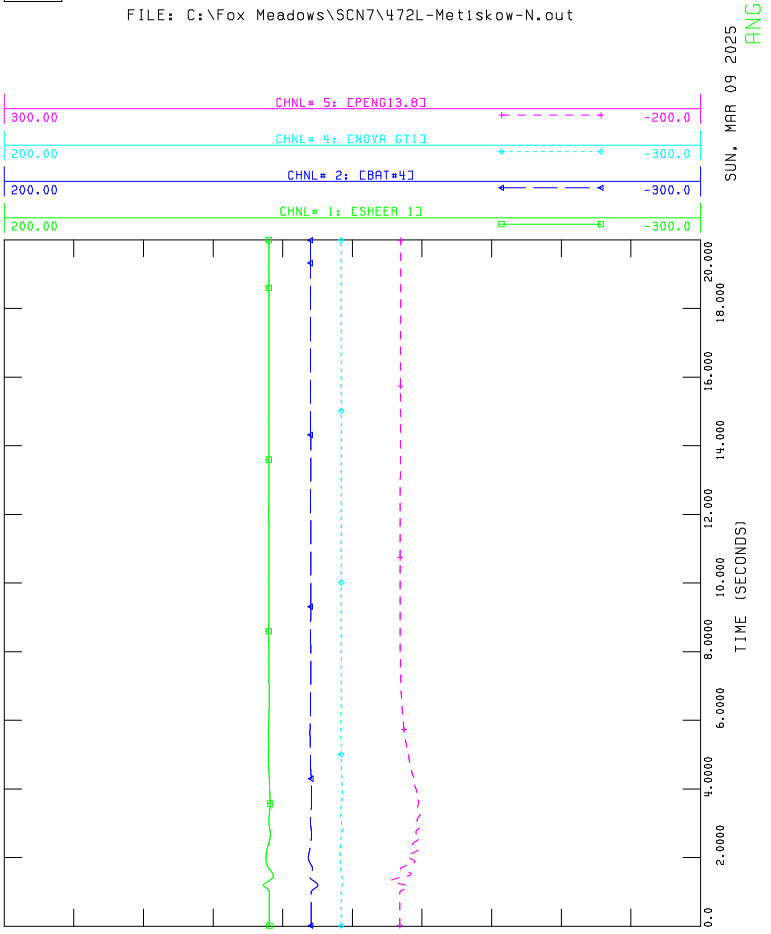


SUN, MAR 09 2025 7:11

ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 WP
472L-METISKOW-NEAR

FILE: C:\Fox Meadows\SCN7\472L-Metiskow-N.out

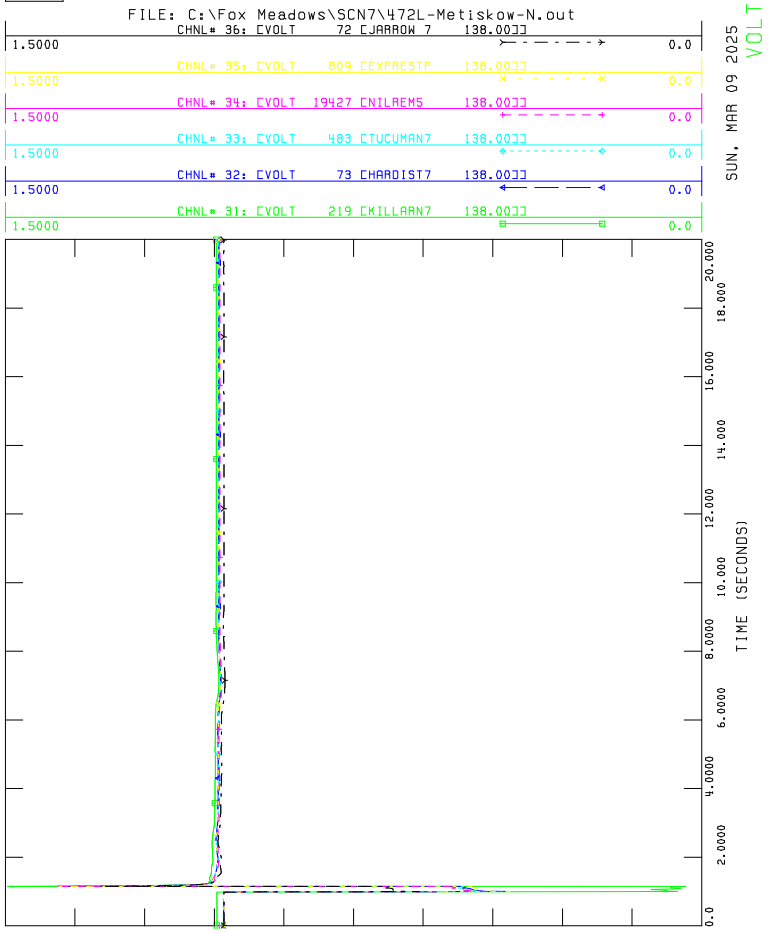


SUN, MAR 09 2025 7:11

ANGLES

AESO ABO FOX MEADOWS-2028 WP
472L-METISKOW-NEAR

FILE: C:\Fox Meadows\SCN7\472L-Metiskow-N.out

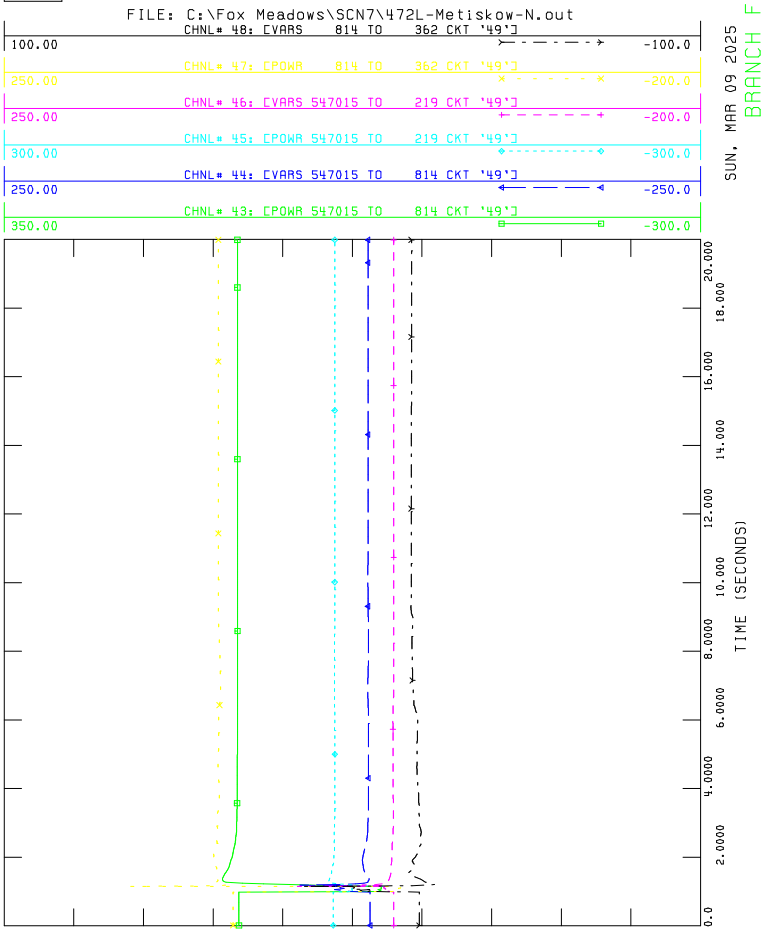


SUN, MAR 09 2025 7:11

VOLTAGE

AESO ABO FOX MEADOWS-2028 WP
472L-METISKOW-NEAR

FILE: C:\Fox Meadows\SCN7\472L-Metiskow-N.out

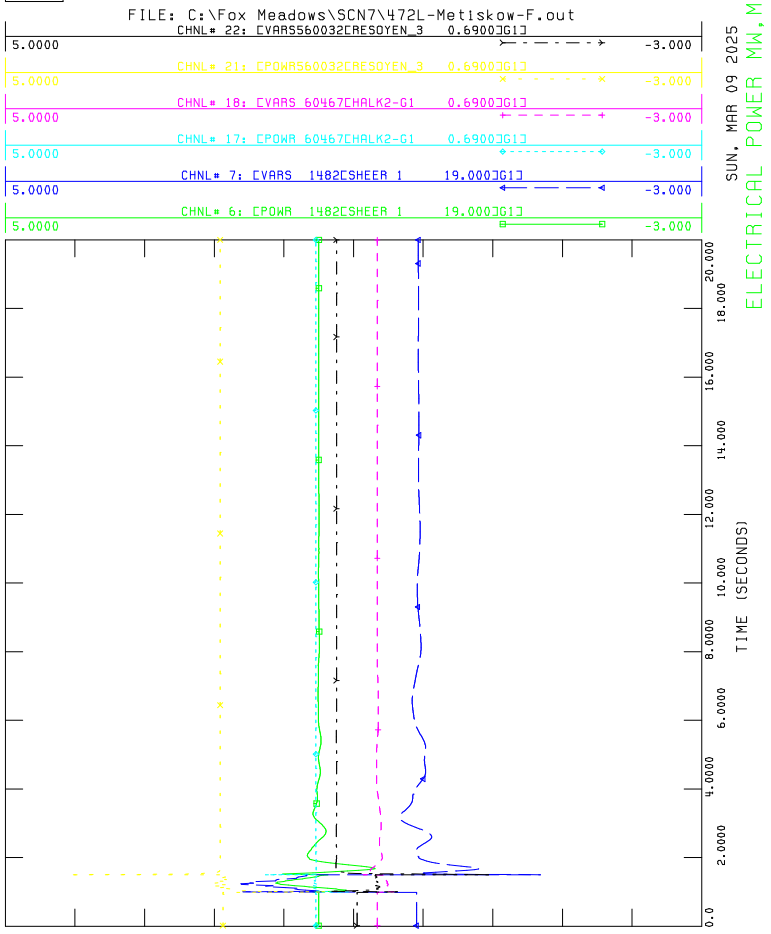


SUN, MAR 09 2025 7:11

BRANCH FLOW

AESO ABO FOX MEADOWS-2028 WP
472L-METISKOW-FAR

FILE: C:\Fox Meadows\SCN7\472L-Metiskow-F.out

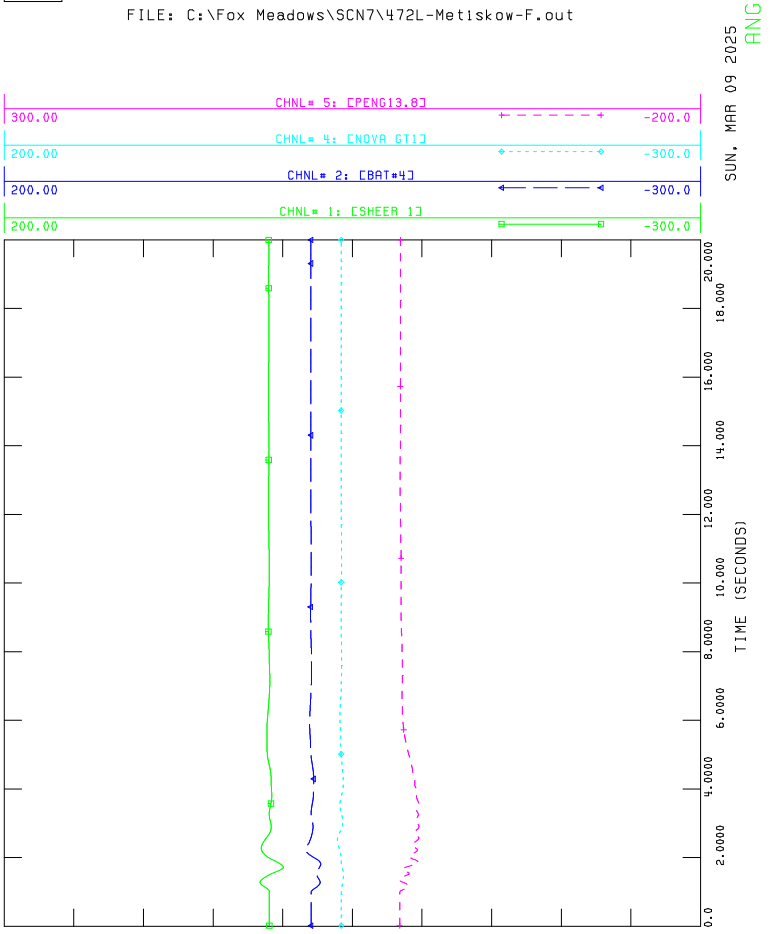


SUN, MAR 09 2025 7:11

ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 WP
472L-METISKOW-FAR

FILE: C:\Fox Meadows\SCN7\472L-Metiskow-F.out

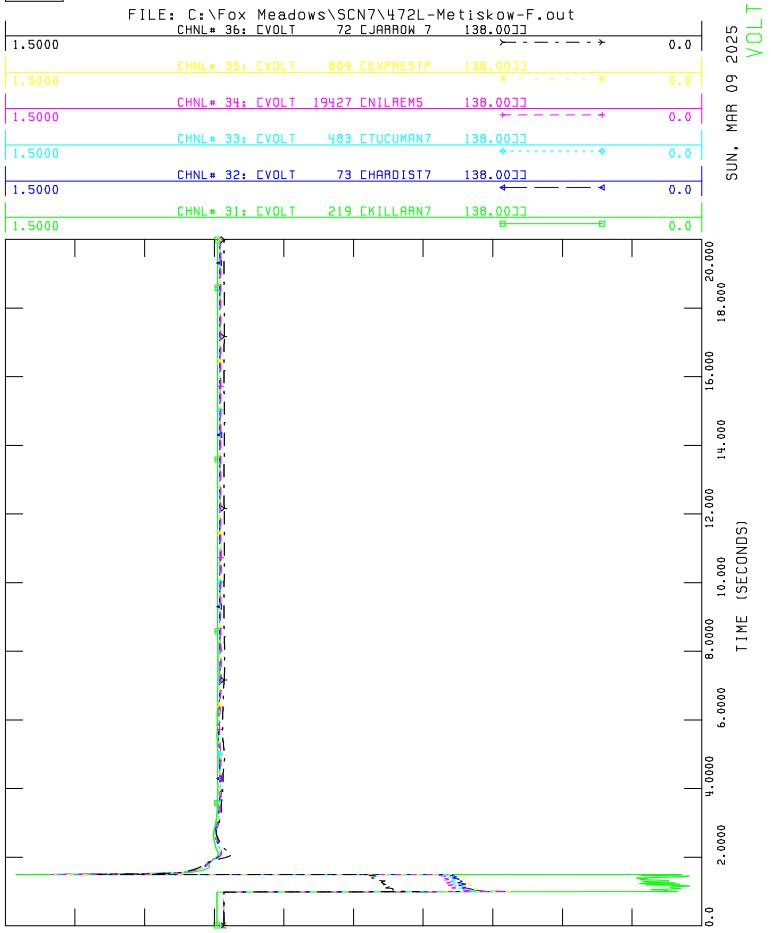


SUN, MAR 09 2025 7:11

ANGLES

AESO ABO FOX MEADOWS-2028 WP
472L-METISKOW-FAR

FILE: C:\Fox Meadows\SCN7\472L-Metiskow-F.out

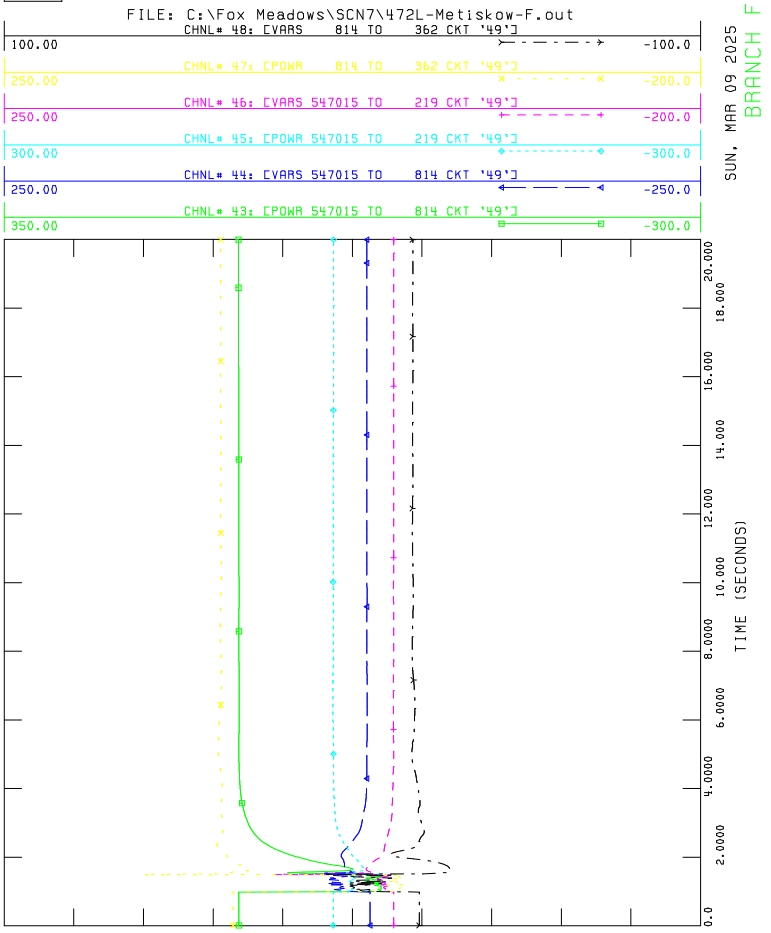


SUN, MAR 09 2025 7:11

VOLTAGE

AESO ABO FOX MEADOWS-2028 WP
472L-METISKOW-FAR

FILE: C:\Fox Meadows\SCN7\472L-Metiskow-F.out



SUN, MAR 09 2025 7:11

BRANCH FLOW

AESO ABO FOX MEADOWS-2028 WP
472L-HUGHENDED-NEAR

FILE: C:\Fox Meadows\SCN7\472L-Hughenden-N.out

SUN, MAR 09 2025 7:11

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J

5.0000 / -3.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
472L-HUGHENDED-NEAR

FILE: C:\Fox Meadows\SCN7\472L-Hughenden-N.out

SUN, MAR 09 2025 7:11

ANGLES

CHNL# 5: CPENG13.8J
CHNL# 4: CNOVA GT1J
CHNL# 2: CBAT#4J
CHNL# 1: CSHEER 1J

300.00 / -200.0
200.00 / -300.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
472L-HUGHENDED-NEAR

FILE: C:\Fox Meadows\SCN7\472L-Hughenden-N.out

SUN, MAR 09 2025 7:11

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ

1.5000 / 0.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
472L-HUGHENDED-NEAR

FILE: C:\Fox Meadows\SCN7\472L-Hughenden-N.out

SUN, MAR 09 2025 7:11

BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J

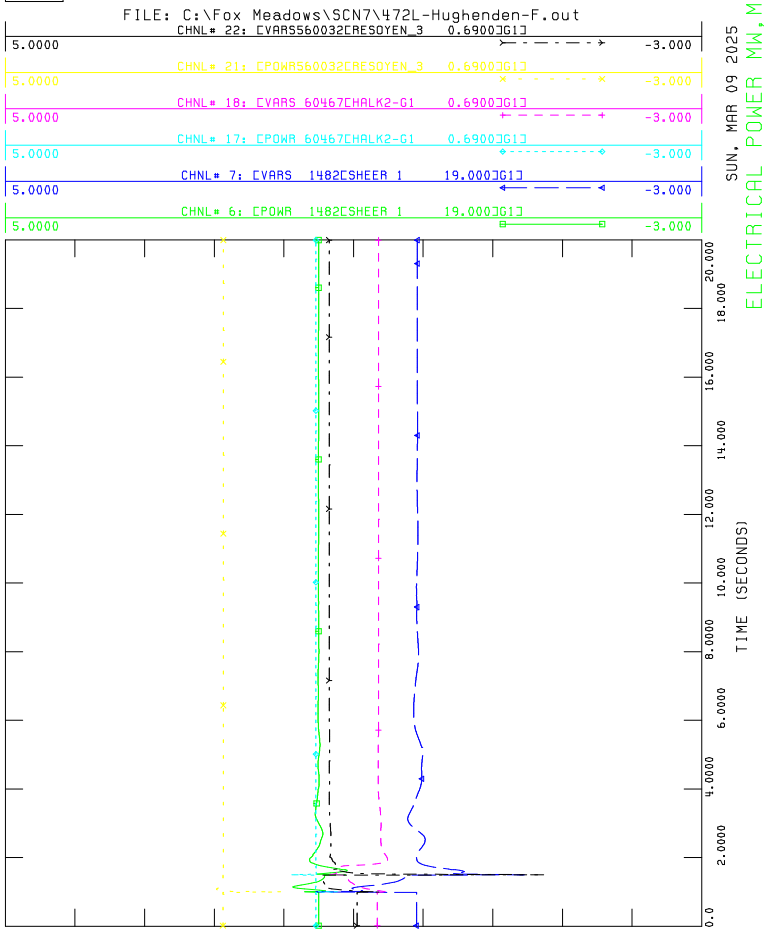
100.00 / -100.0
250.00 / -200.0
250.00 / -200.0
300.00 / -300.0
250.00 / -250.0
350.00 / -300.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
472L-HUGHENDED-FAR

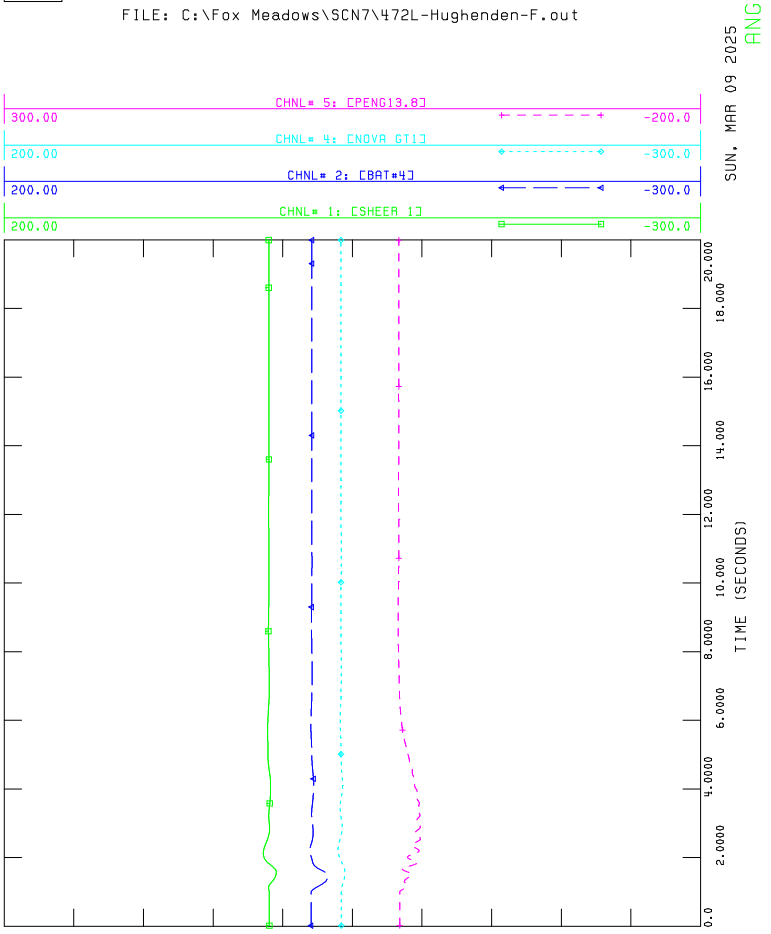
FILE: C:\Fox Meadows\SCN7\472L-Hughenden-F.out



SUN, MAR 09 2025 7:11
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 WP
472L-HUGHENDED-FAR

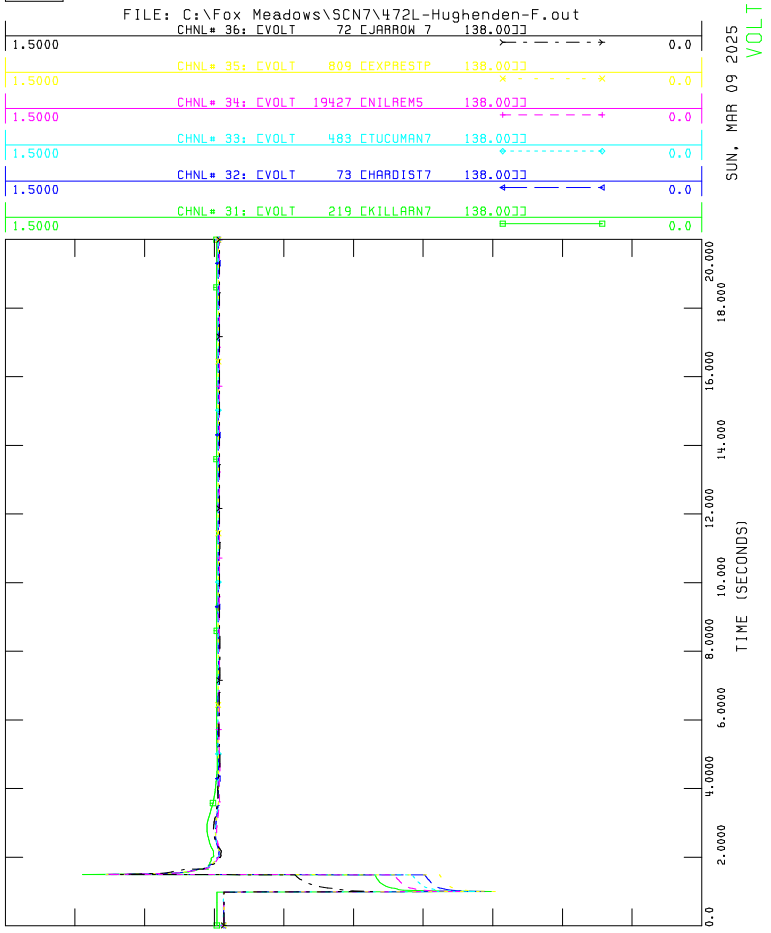
FILE: C:\Fox Meadows\SCN7\472L-Hughenden-F.out



SUN, MAR 09 2025 7:11
ANGLES

AESO ABO FOX MEADOWS-2028 WP
472L-HUGHENDED-FAR

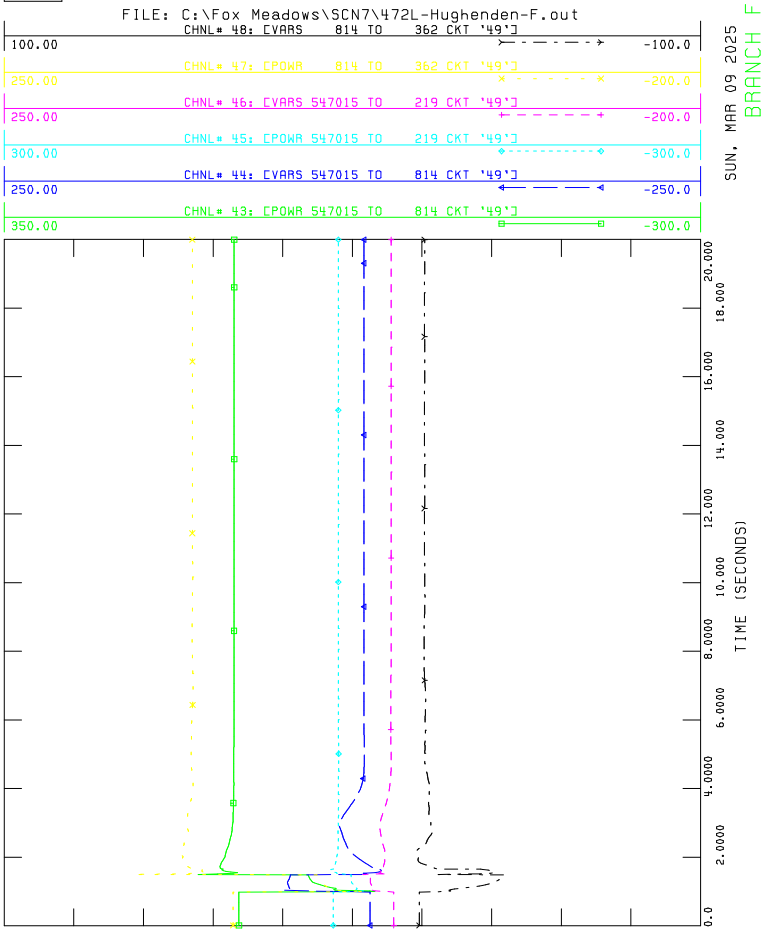
FILE: C:\Fox Meadows\SCN7\472L-Hughenden-F.out



SUN, MAR 09 2025 7:11
VOLTAGE

AESO ABO FOX MEADOWS-2028 WP
472L-HUGHENDED-FAR

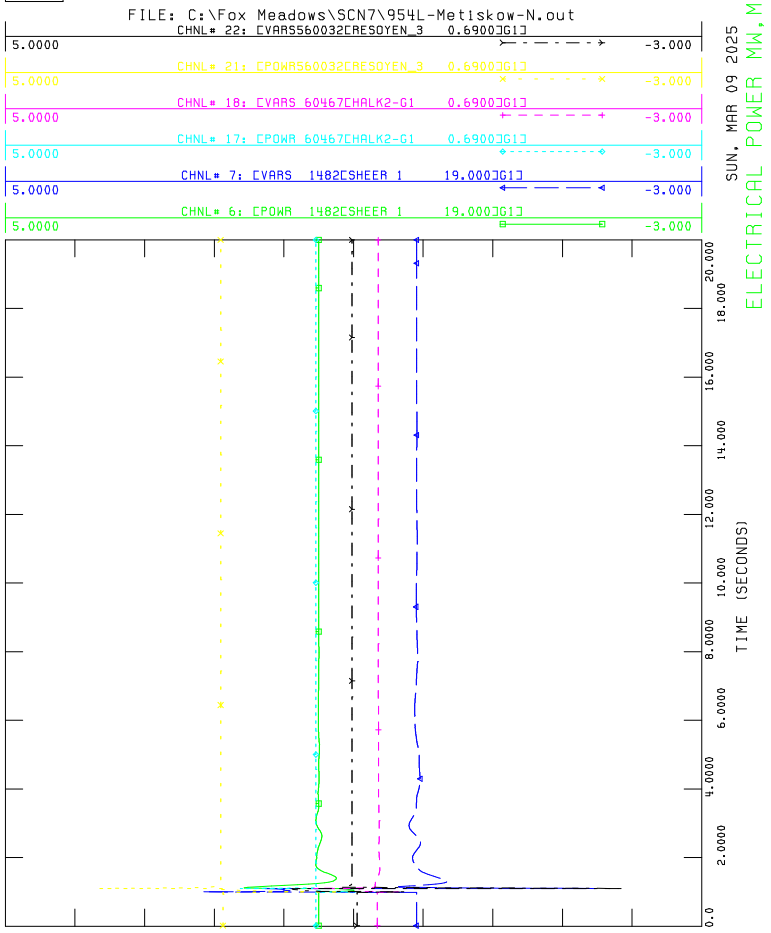
FILE: C:\Fox Meadows\SCN7\472L-Hughenden-F.out



SUN, MAR 09 2025 7:11
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 WP
954L-METISKOW-NEAR

FILE: C:\Fox Meadows\SCN7\954L-Metiskow-N.out

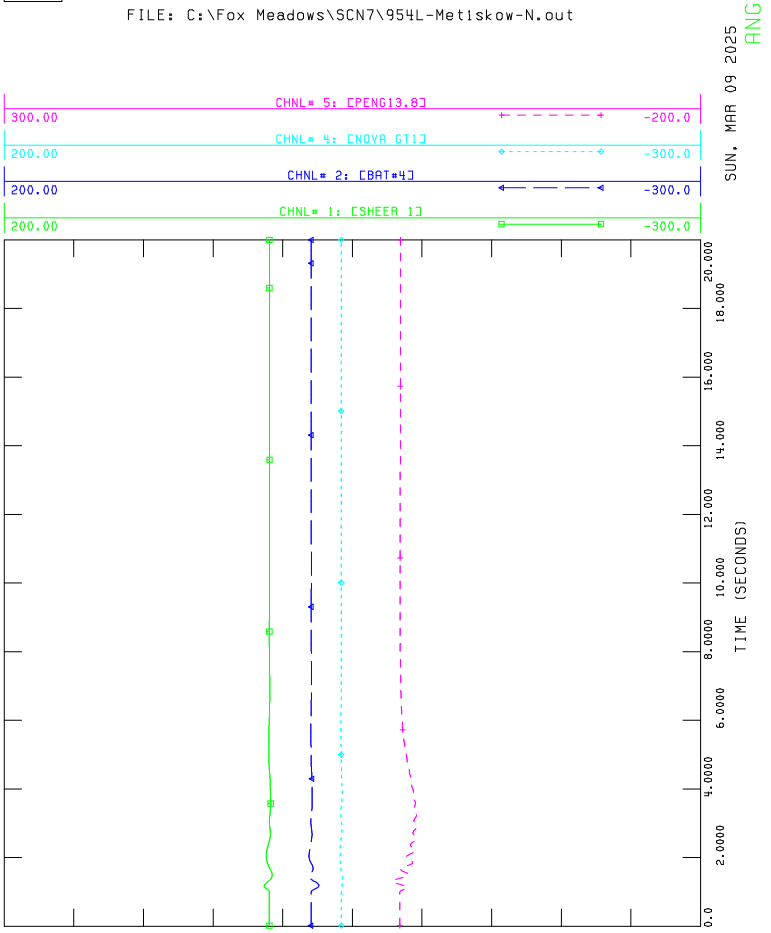


SUN, MAR 09 2025 7:11

ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 WP
954L-METISKOW-NEAR

FILE: C:\Fox Meadows\SCN7\954L-Metiskow-N.out

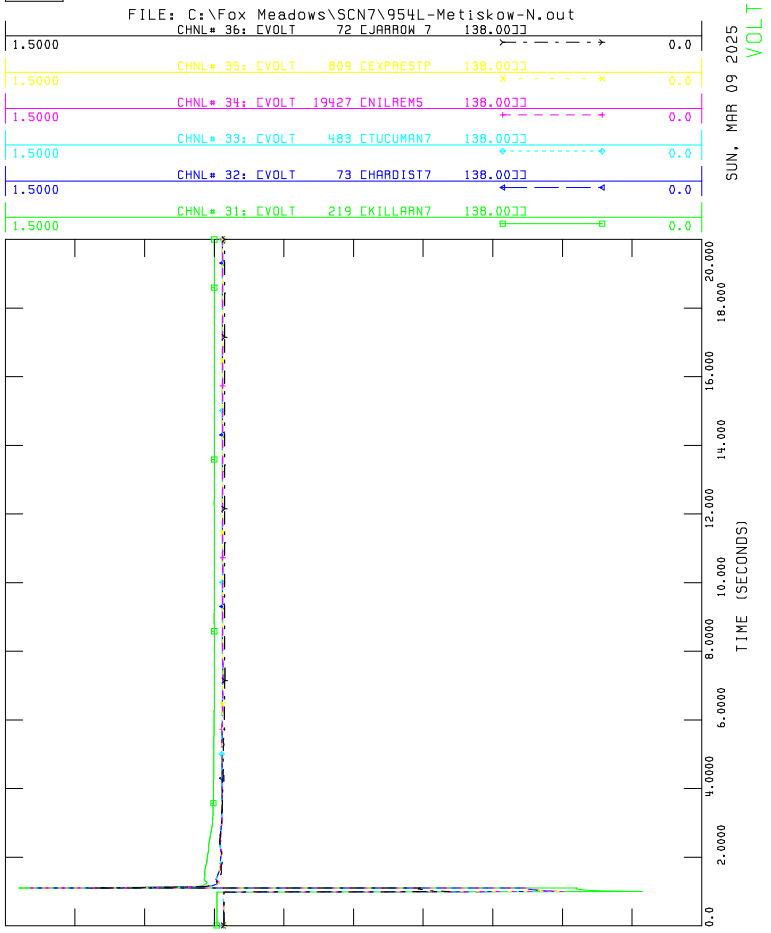


SUN, MAR 09 2025 7:11

ANGLES

AESO ABO FOX MEADOWS-2028 WP
954L-METISKOW-NEAR

FILE: C:\Fox Meadows\SCN7\954L-Metiskow-N.out

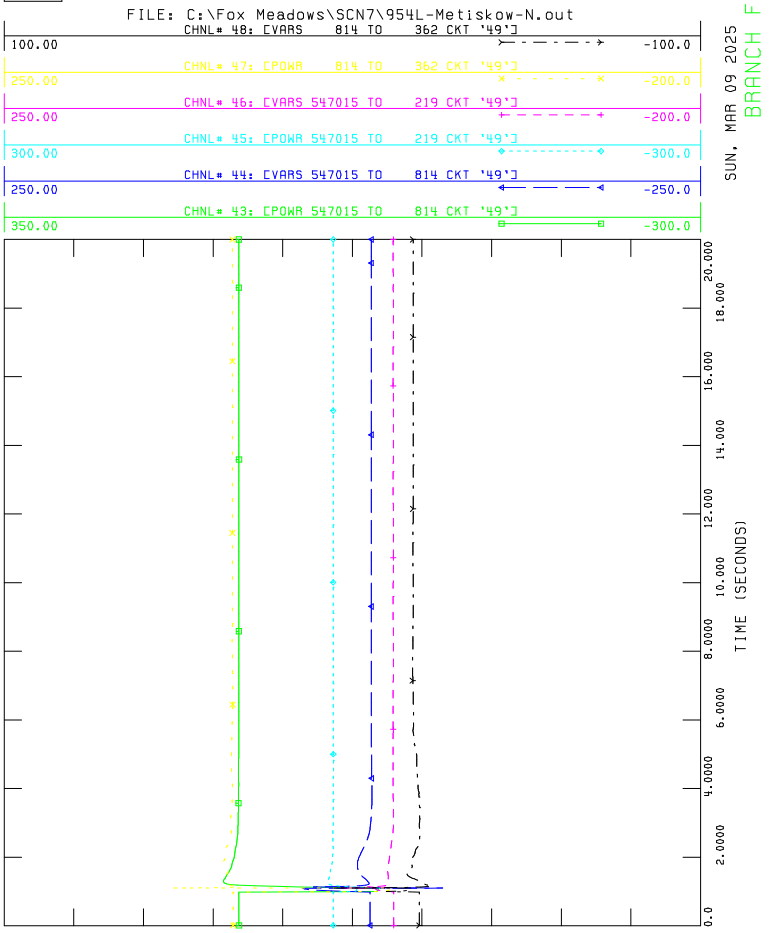


SUN, MAR 09 2025 7:11

VOLTAGE

AESO ABO FOX MEADOWS-2028 WP
954L-METISKOW-NEAR

FILE: C:\Fox Meadows\SCN7\954L-Metiskow-N.out



SUN, MAR 09 2025 7:11

BRANCH FLOW

AESO ABO FOX MEADOWS-2028 WP
954L-HANSMAN-NEAR

FILE: C:\Fox Meadows\SCN7\954L-HansmanLake-N.out

SUN, MAR 09 2025 7:11

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000

CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000

CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000

CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000

CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
5.0000 -3.000

CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
5.0000 -3.000

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
954L-HANSMAN-NEAR

FILE: C:\Fox Meadows\SCN7\954L-HansmanLake-N.out

SUN, MAR 09 2025 7:11

ANGLES

CHNL# 5: CPENG13.8J
300.00 -200.0

CHNL# 4: CNOVA GT1J
200.00 -300.0

CHNL# 2: CBAT#4J
200.00 -300.0

CHNL# 1: CSHEER 1J
200.00 -300.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
954L-HANSMAN-NEAR

FILE: C:\Fox Meadows\SCN7\954L-HansmanLake-N.out

SUN, MAR 09 2025 7:11

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
1.5000 0.0

CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
1.5000 0.0

CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
1.5000 0.0

CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
1.5000 0.0

CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
1.5000 0.0

CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ
1.5000 0.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
954L-HANSMAN-NEAR

FILE: C:\Fox Meadows\SCN7\954L-HansmanLake-N.out

SUN, MAR 09 2025 7:11

BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
100.00 -100.0

CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0

CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0

CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
300.00 -300.0

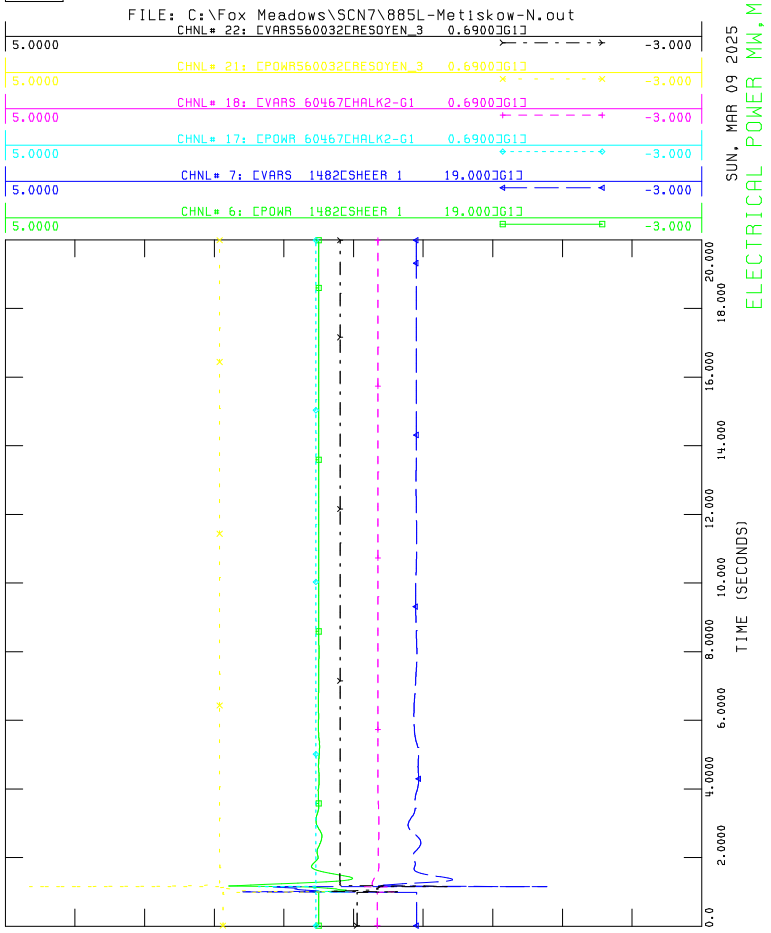
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0

CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
350.00 -300.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
885L-METISKOW-NEAR

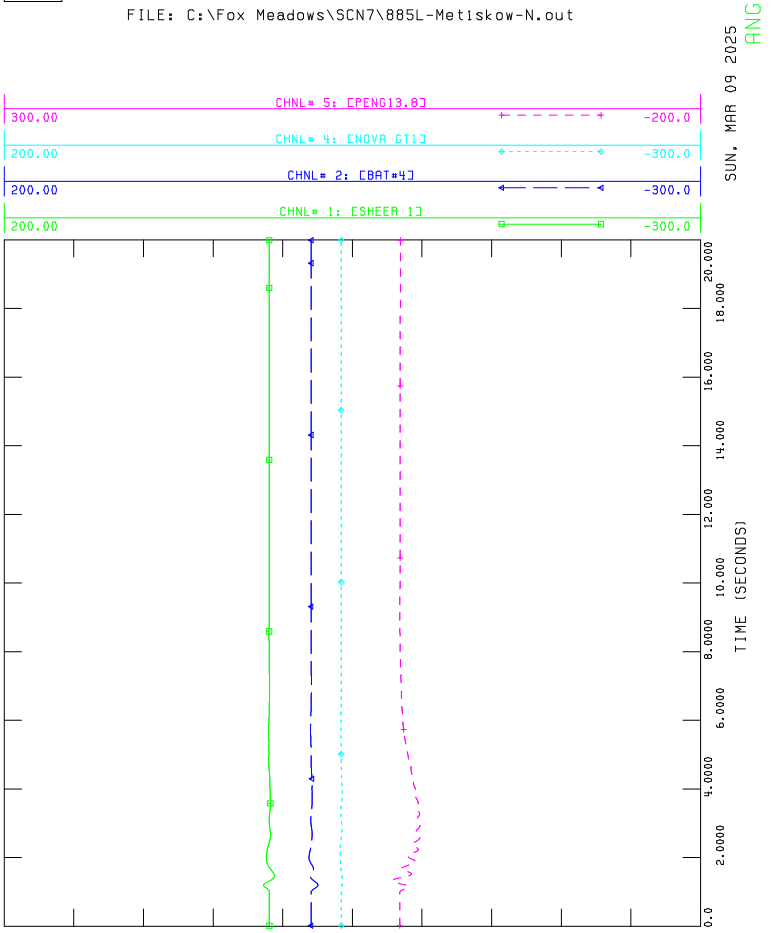
FILE: C:\Fox Meadows\SCN7\885L-Metiskow-N.out



SUN, MAR 09 2025 7:11
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 WP
885L-METISKOW-NEAR

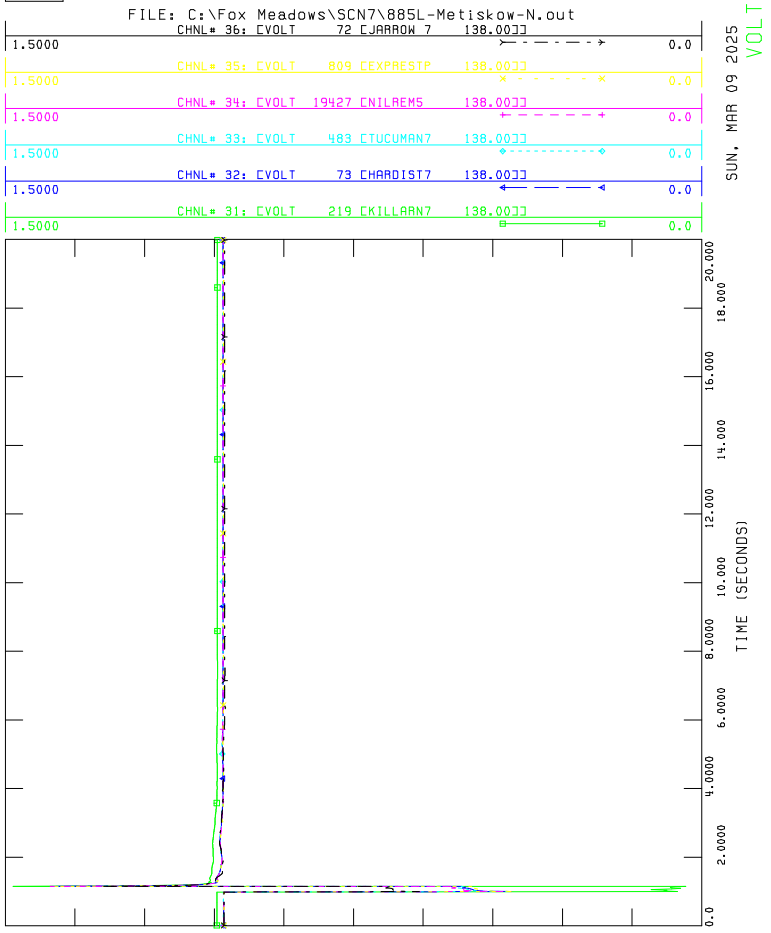
FILE: C:\Fox Meadows\SCN7\885L-Metiskow-N.out



SUN, MAR 09 2025 7:11
ANGLES

AESO ABO FOX MEADOWS-2028 WP
885L-METISKOW-NEAR

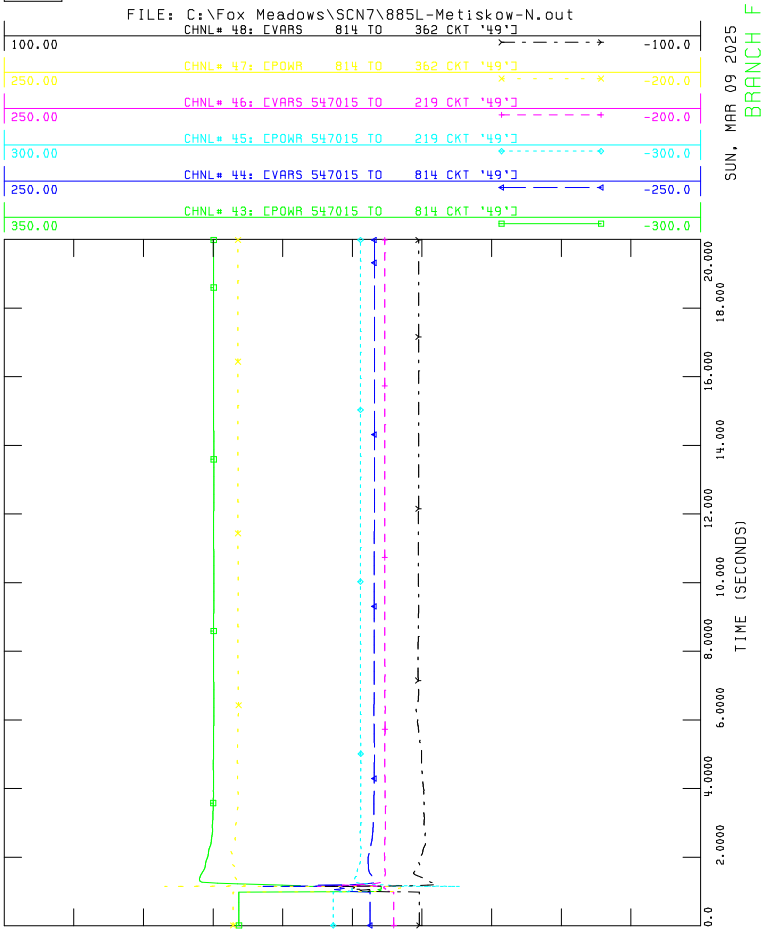
FILE: C:\Fox Meadows\SCN7\885L-Metiskow-N.out



SUN, MAR 09 2025 7:11
VOLTAGE

AESO ABO FOX MEADOWS-2028 WP
885L-METISKOW-NEAR

FILE: C:\Fox Meadows\SCN7\885L-Metiskow-N.out



SUN, MAR 09 2025 7:11
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 WP
885L-METISKOW-FAR

FILE: C:\Fox Meadows\SCN7\885L-Metiskow-F.out

SUN, MAR 09 2025 7:11

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J

5.0000 / -3.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
885L-METISKOW-FAR

FILE: C:\Fox Meadows\SCN7\885L-Metiskow-F.out

SUN, MAR 09 2025 7:11

ANGLES

CHNL# 5: CPENG13,8J
CHNL# 4: CNOVA GT1J
CHNL# 2: CBAT#4J
CHNL# 1: CSHEER 1J

300.00 / -200.0
200.00 / -300.0
200.00 / -300.0
200.00 / -300.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
885L-METISKOW-FAR

FILE: C:\Fox Meadows\SCN7\885L-Metiskow-F.out

SUN, MAR 09 2025 7:11

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
CHNL# 34: CVOLT 19427 CNILREMS 138.00JJ
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ

1.5000 / 0.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
885L-METISKOW-FAR

FILE: C:\Fox Meadows\SCN7\885L-Metiskow-F.out

SUN, MAR 09 2025 7:11

BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J

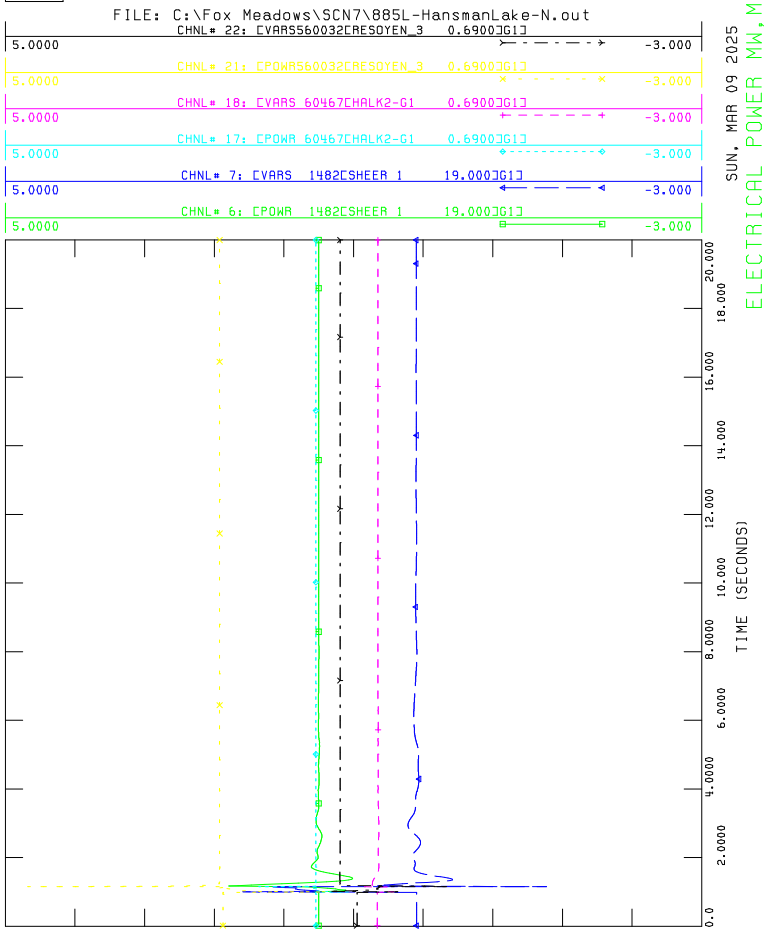
100.00 / -100.0
250.00 / -200.0
250.00 / -200.0
300.00 / -300.0
250.00 / -250.0
350.00 / -300.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
885L-HANSMAN-NEAR

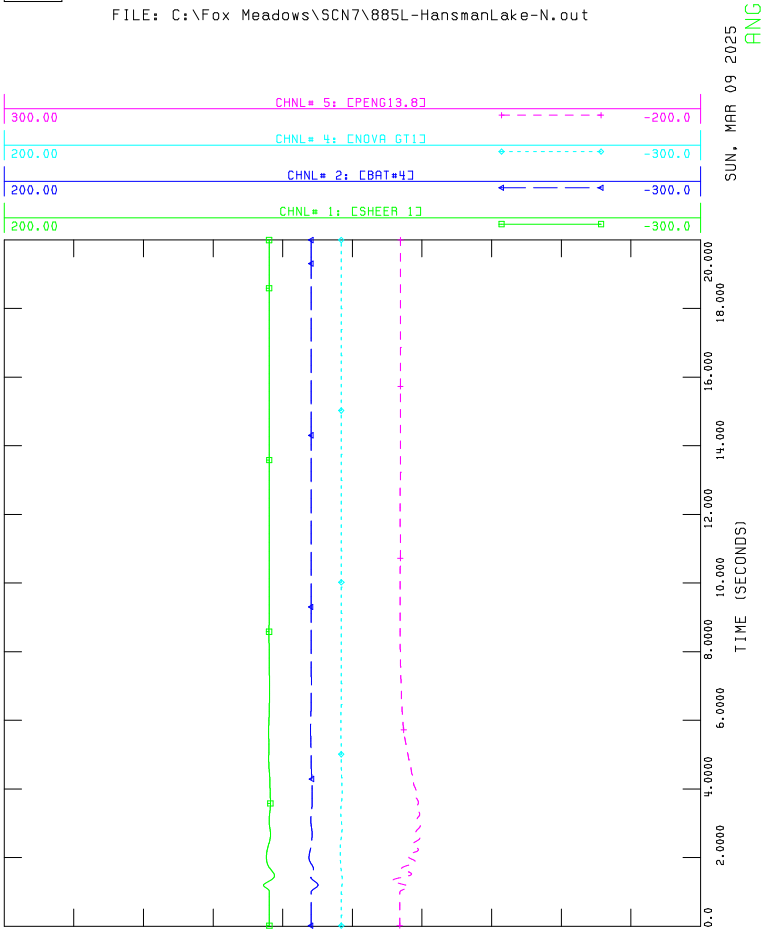
FILE: C:\Fox Meadows\SCN7\885L-HansmanLake-N.out



SUN, MAR 09 2025 7:12
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 WP
885L-HANSMAN-NEAR

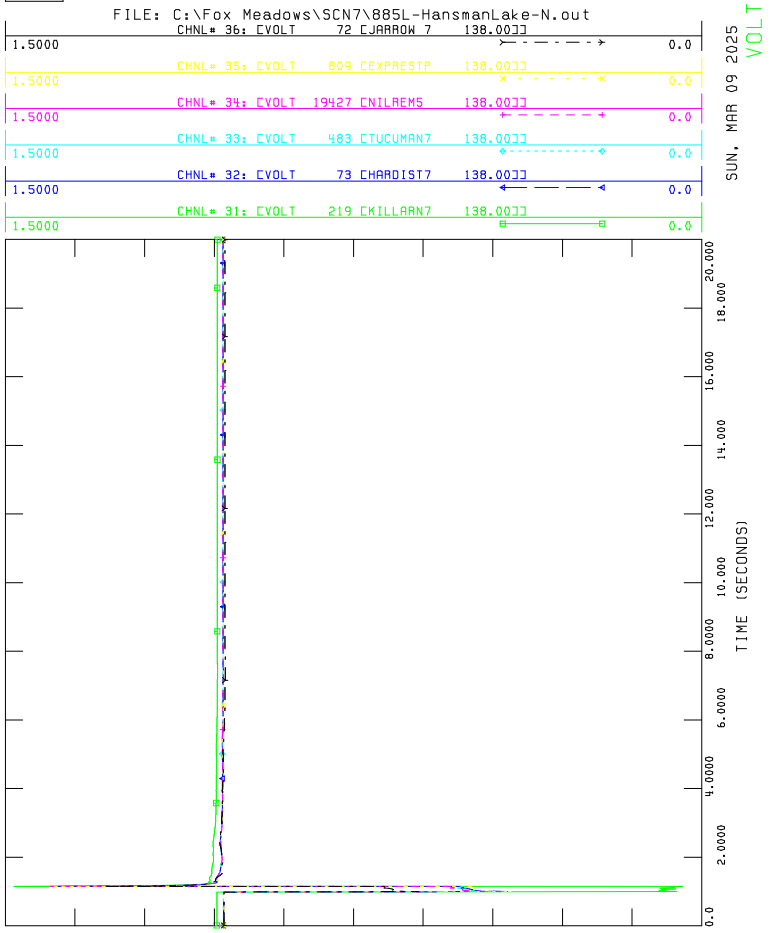
FILE: C:\Fox Meadows\SCN7\885L-HansmanLake-N.out



SUN, MAR 09 2025 7:12
ANGLES

AESO ABO FOX MEADOWS-2028 WP
885L-HANSMAN-NEAR

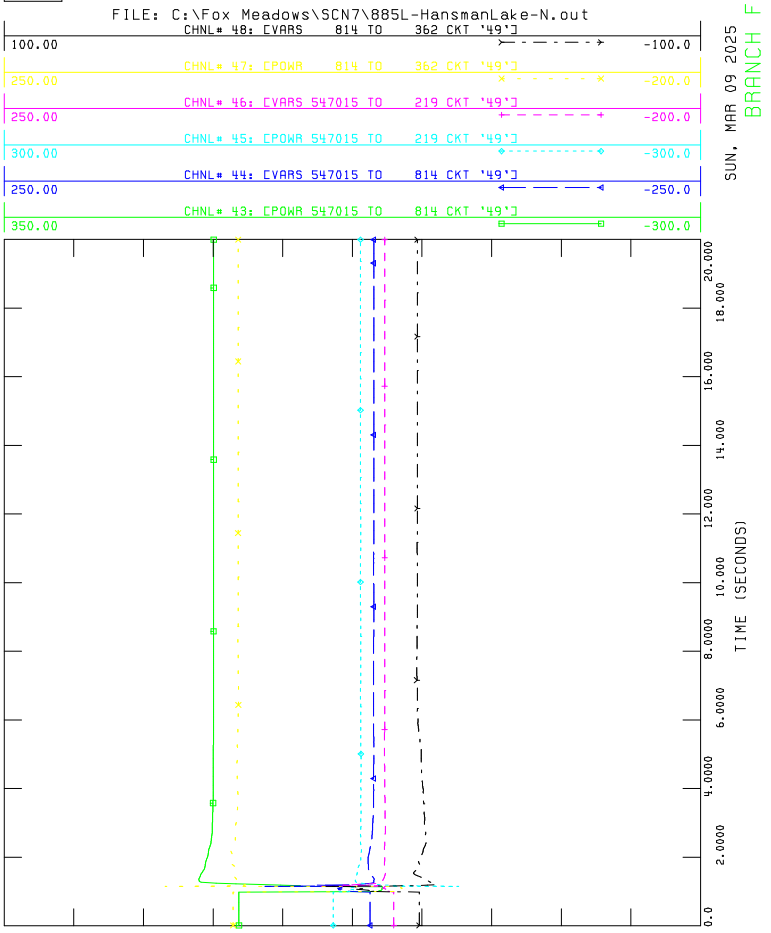
FILE: C:\Fox Meadows\SCN7\885L-HansmanLake-N.out



SUN, MAR 09 2025 7:12
VOLTAGE

AESO ABO FOX MEADOWS-2028 WP
885L-HANSMAN-NEAR

FILE: C:\Fox Meadows\SCN7\885L-HansmanLake-N.out



SUN, MAR 09 2025 7:12
BRANCH FLOW

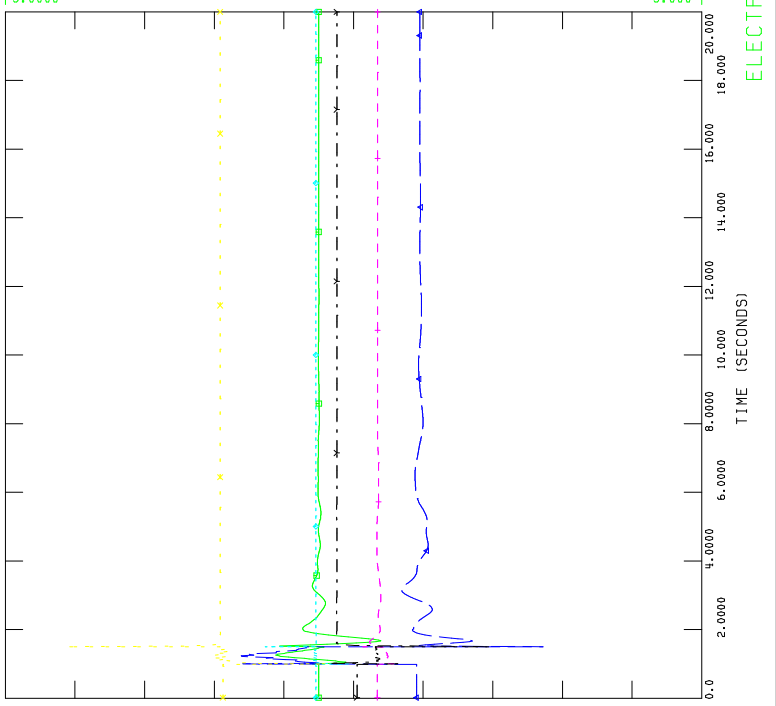
AESO ABO FOX MEADOWS-2028 WP
885L-HANSMAN-FAR

FILE: C:\Fox Meadows\SCN7\885L-HansmanLake-F.out

SUN, MAR 09 2025 7:12

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
5.0000 -3.000
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
5.0000 -3.000



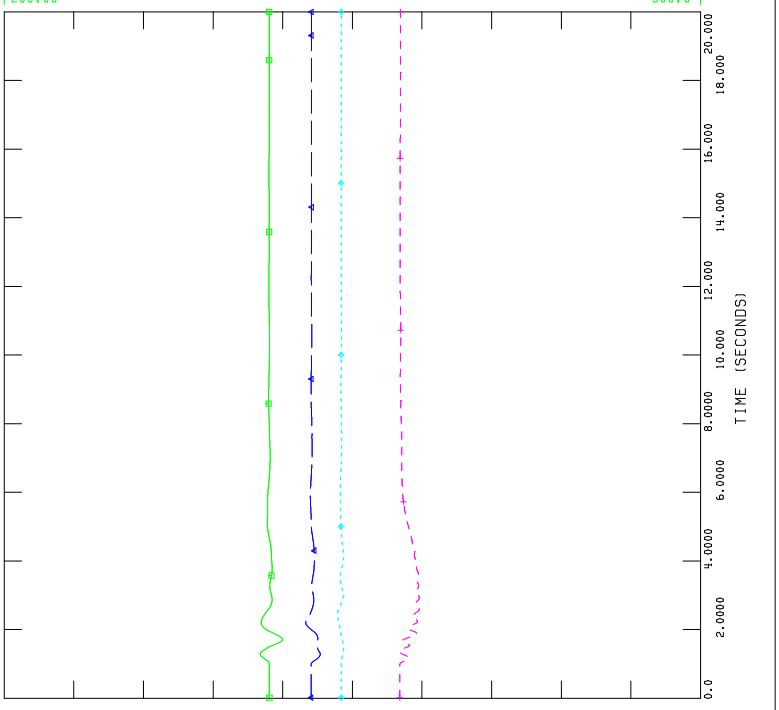
AESO ABO FOX MEADOWS-2028 WP
885L-HANSMAN-FAR

FILE: C:\Fox Meadows\SCN7\885L-HansmanLake-F.out

SUN, MAR 09 2025 7:12

ANGLES

CHNL# 5: CPENG13.8J
300.00 -200.0
CHNL# 4: CNOVA GT1J
200.00 -300.0
CHNL# 2: CBAT#4J
200.00 -300.0
CHNL# 1: CSHEER 1J
200.00 -300.0



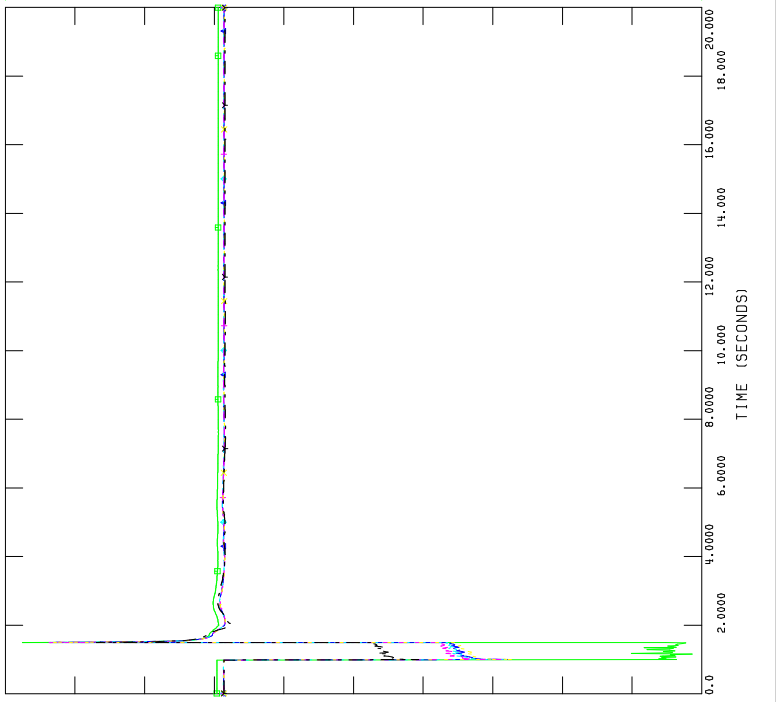
AESO ABO FOX MEADOWS-2028 WP
885L-HANSMAN-FAR

FILE: C:\Fox Meadows\SCN7\885L-HansmanLake-F.out

SUN, MAR 09 2025 7:12

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
1.5000 0.0
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
1.5000 0.0
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
1.5000 0.0
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
1.5000 0.0
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
1.5000 0.0
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ
1.5000 0.0



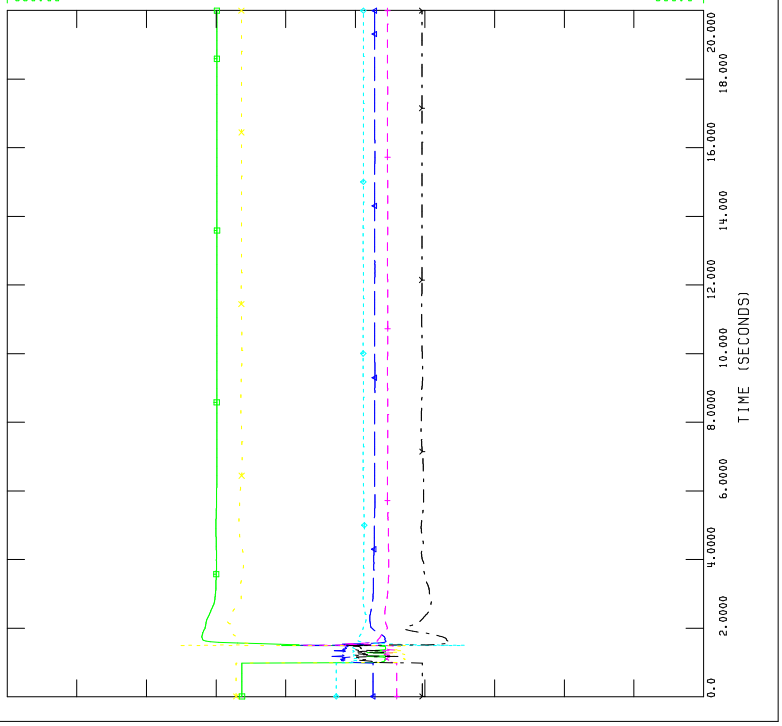
AESO ABO FOX MEADOWS-2028 WP
885L-HANSMAN-FAR

FILE: C:\Fox Meadows\SCN7\885L-HansmanLake-F.out

SUN, MAR 09 2025 7:12

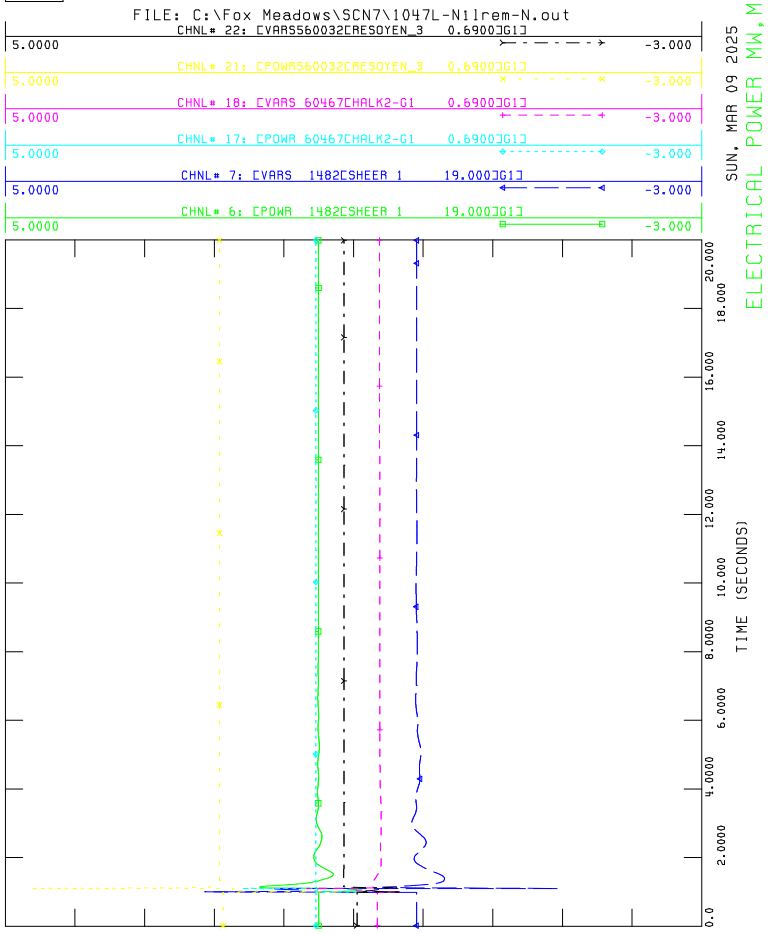
BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
100.00 -100.0
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
300.00 -300.0
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
350.00 -300.0



AESO ABO FOX MEADOWS-2028 WP
1047L-NILREM-NEAR

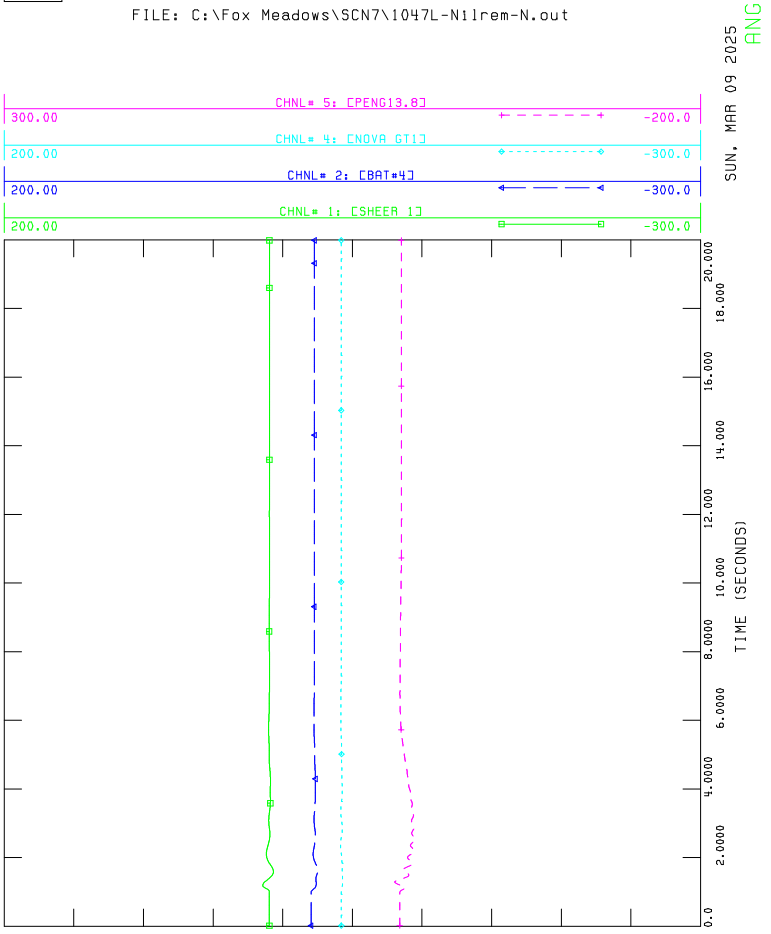
FILE: C:\Fox Meadows\SCN7\1047L-Nilrem-N.out



SUN, MAR 09 2025 7:12
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 WP
1047L-NILREM-NEAR

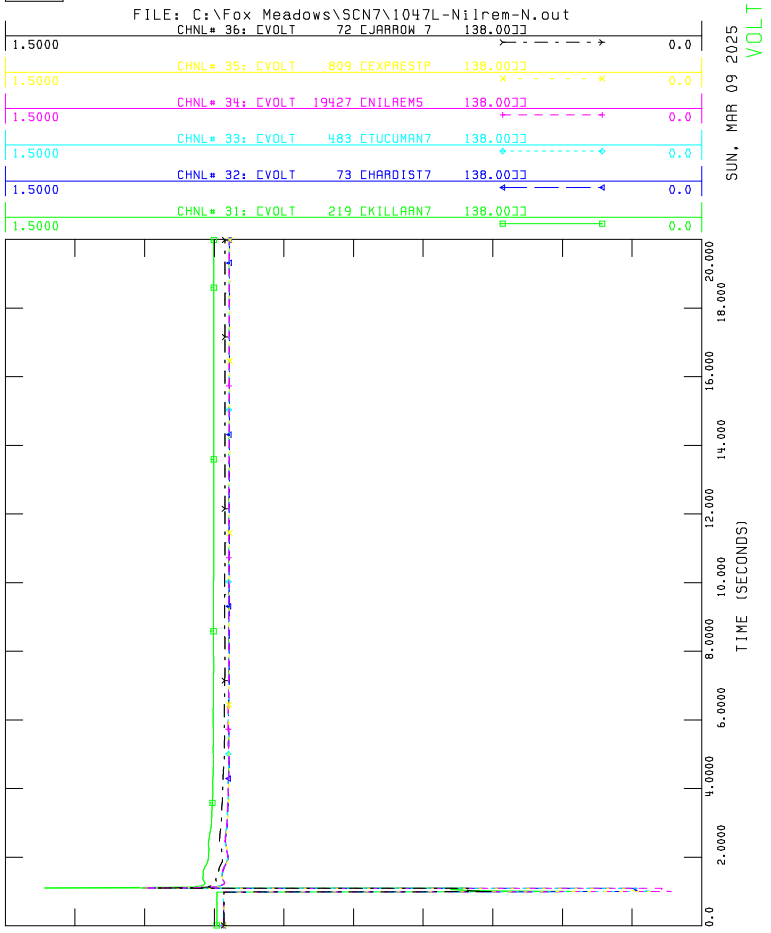
FILE: C:\Fox Meadows\SCN7\1047L-Nilrem-N.out



SUN, MAR 09 2025 7:12
ANGLES

AESO ABO FOX MEADOWS-2028 WP
1047L-NILREM-NEAR

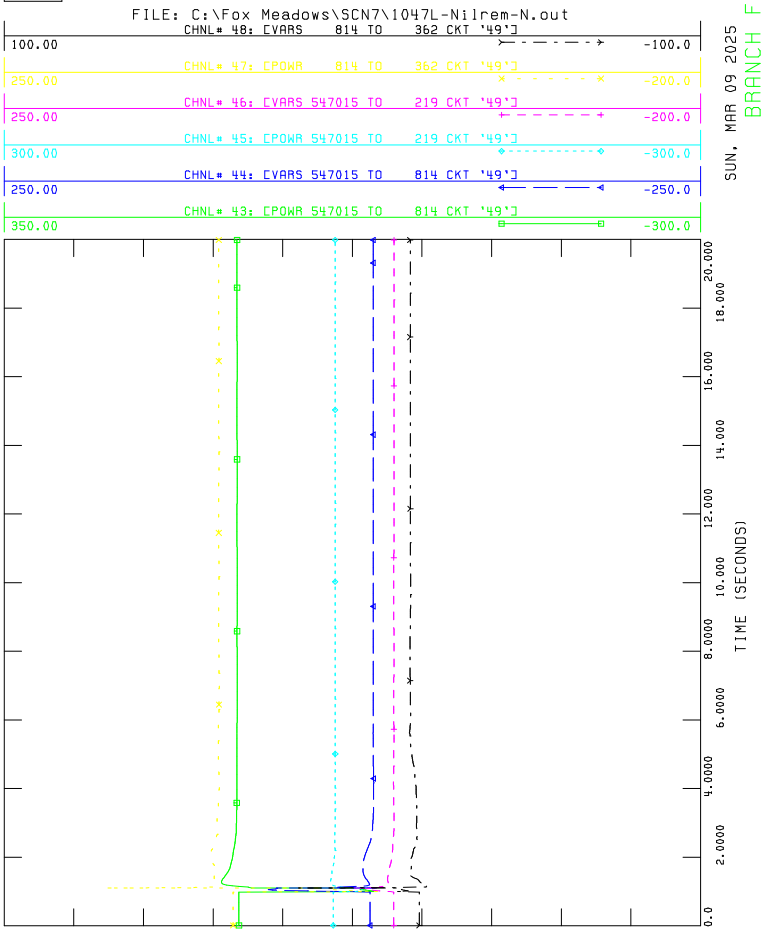
FILE: C:\Fox Meadows\SCN7\1047L-Nilrem-N.out



SUN, MAR 09 2025 7:12
VOLTAGE

AESO ABO FOX MEADOWS-2028 WP
1047L-NILREM-NEAR

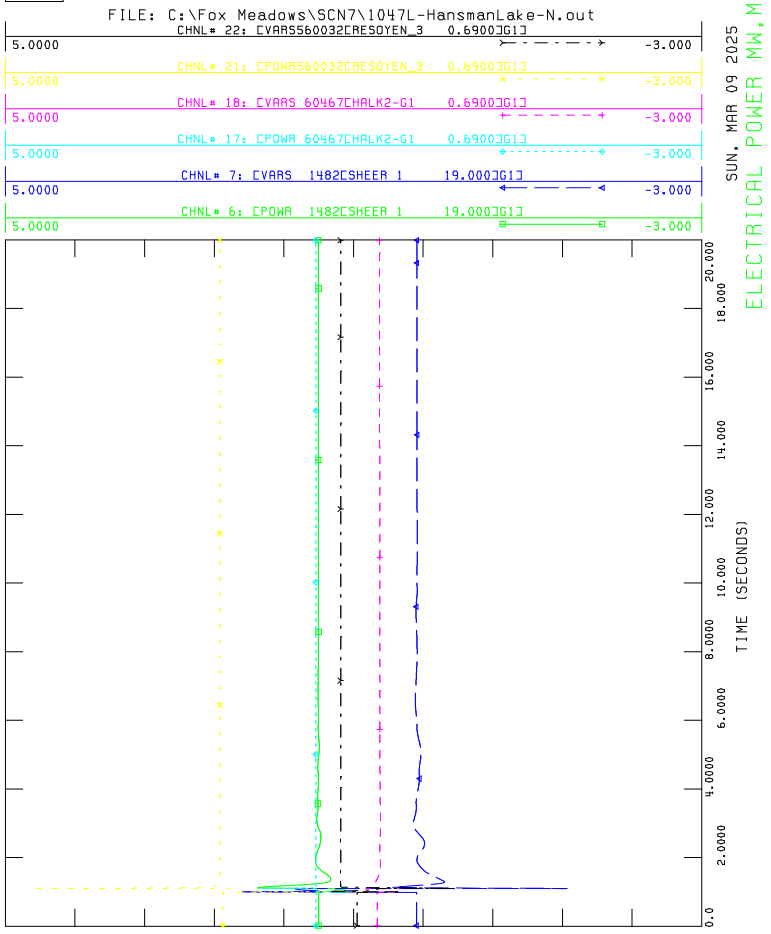
FILE: C:\Fox Meadows\SCN7\1047L-Nilrem-N.out



SUN, MAR 09 2025 7:12
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 WP
1047L-HANSMAN-NEAR

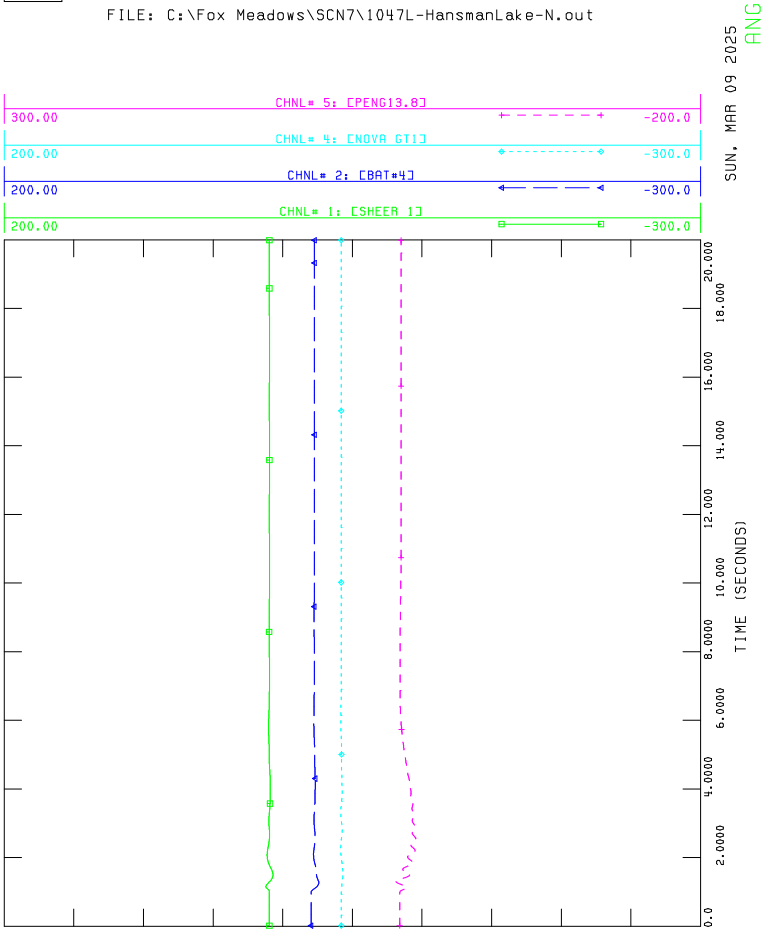
FILE: C:\Fox Meadows\SCN7\1047L-HansmanLake-N.out



SUN, MAR 09 2025 7:12
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 WP
1047L-HANSMAN-NEAR

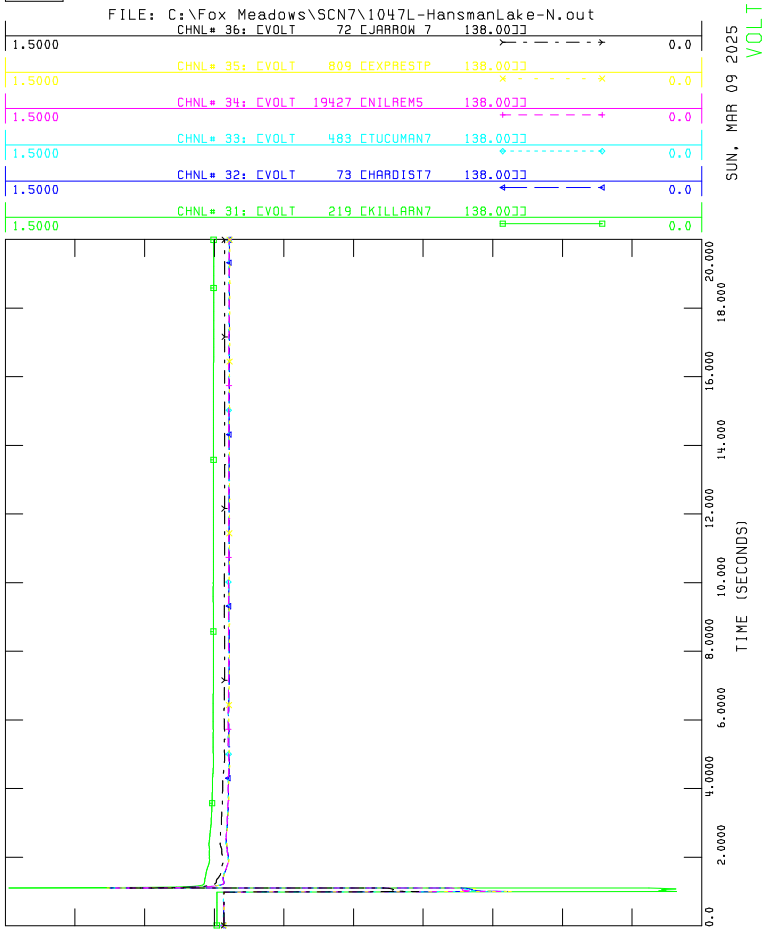
FILE: C:\Fox Meadows\SCN7\1047L-HansmanLake-N.out



SUN, MAR 09 2025 7:12
ANGLES

AESO ABO FOX MEADOWS-2028 WP
1047L-HANSMAN-NEAR

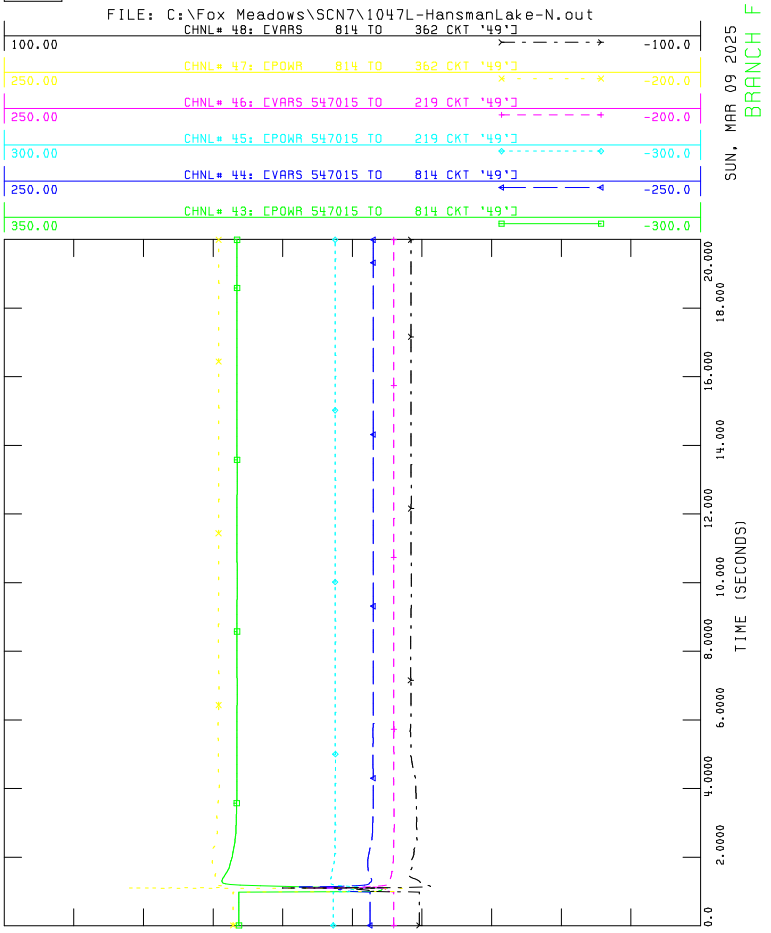
FILE: C:\Fox Meadows\SCN7\1047L-HansmanLake-N.out



SUN, MAR 09 2025 7:12
VOLTAGE

AESO ABO FOX MEADOWS-2028 WP
1047L-HANSMAN-NEAR

FILE: C:\Fox Meadows\SCN7\1047L-HansmanLake-N.out



SUN, MAR 09 2025 7:12
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 WP
948L-HANSMAN-NEAR

FILE: C:\Fox Meadows\SCN7\948L-hansmanLake-N.out

SUN, MAR 09 2025 7:12

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
5.0000 -3.000
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
5.0000 -3.000

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
948L-HANSMAN-NEAR

FILE: C:\Fox Meadows\SCN7\948L-hansmanLake-N.out

SUN, MAR 09 2025 7:12

ANGLES

CHNL# 5: CPENG13.8J
300.00 -200.0
CHNL# 4: CNOVA GT1J
200.00 -300.0
CHNL# 2: CBAT#4J
200.00 -300.0
CHNL# 1: CSHEER 1J
200.00 -300.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
948L-HANSMAN-NEAR

FILE: C:\Fox Meadows\SCN7\948L-hansmanLake-N.out

SUN, MAR 09 2025 7:12

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
1.5000 0.0
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
1.5000 0.0
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
1.5000 0.0
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
1.5000 0.0
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
1.5000 0.0
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ
1.5000 0.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
948L-HANSMAN-NEAR

FILE: C:\Fox Meadows\SCN7\948L-hansmanLake-N.out

SUN, MAR 09 2025 7:12

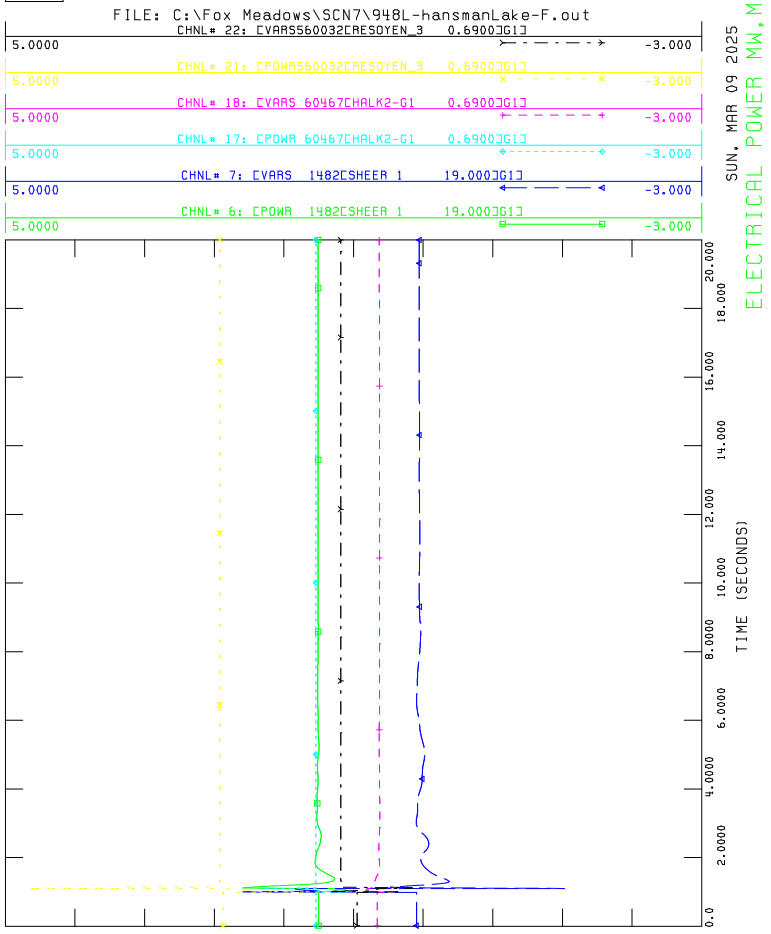
BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
100.00 -100.0
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
300.00 -300.0
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
350.00 -300.0

TIME (SECONDS)
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
948L-HANSMAN-FAR

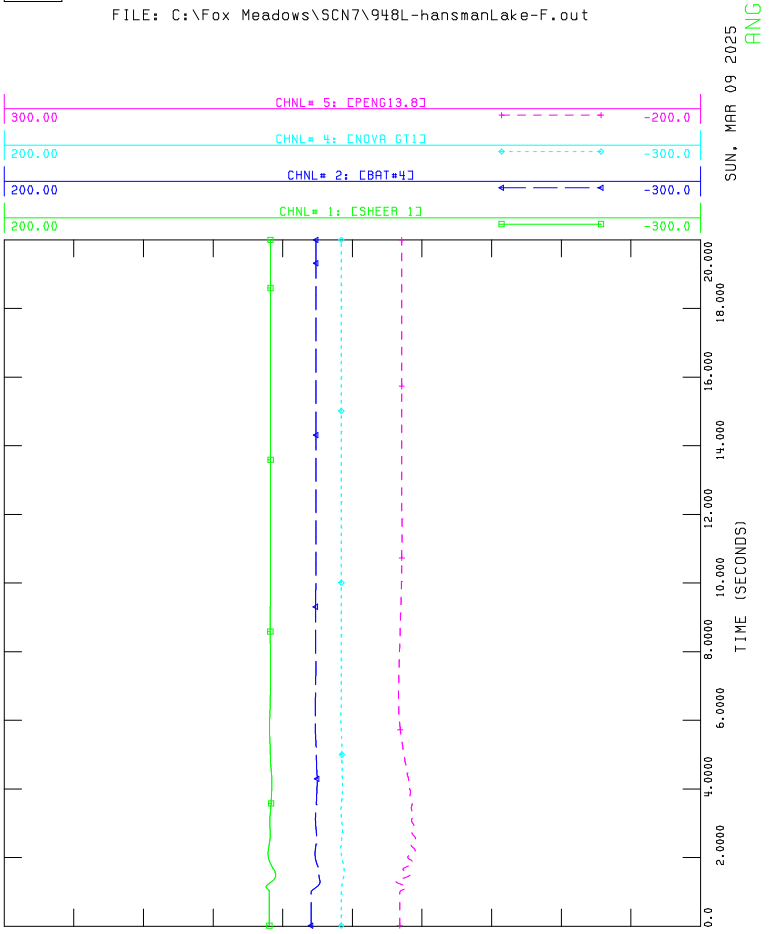
FILE: C:\Fox Meadows\SCN7\948L-hansmanLake-F.out



SUN, MAR 09 2025 7:12
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 WP
948L-HANSMAN-FAR

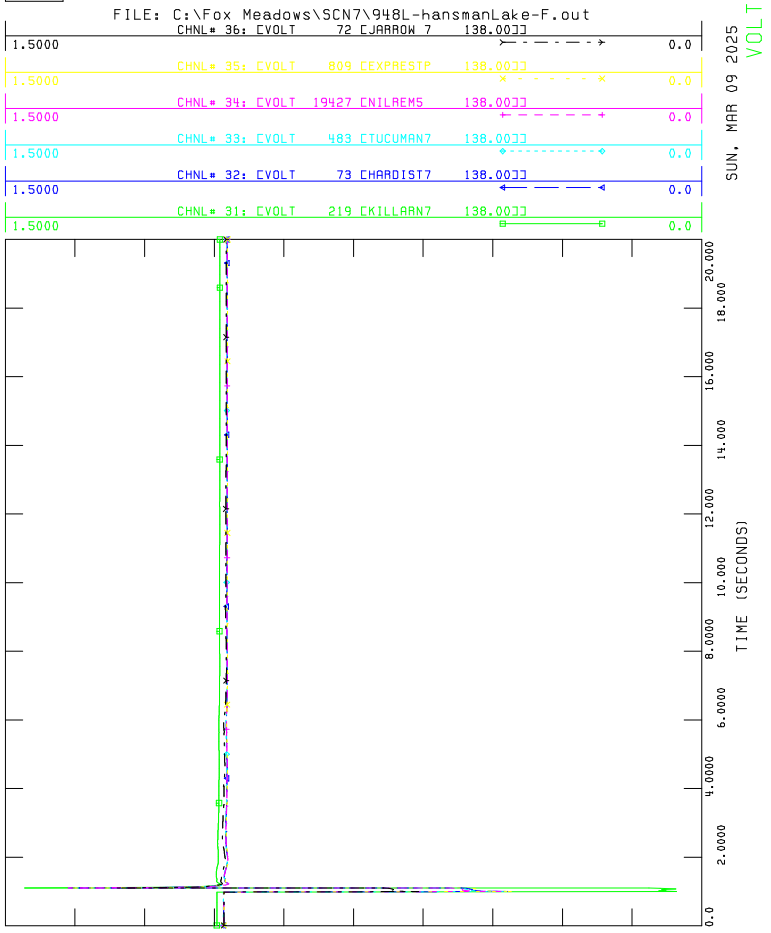
FILE: C:\Fox Meadows\SCN7\948L-hansmanLake-F.out



SUN, MAR 09 2025 7:12
ANGLES

AESO ABO FOX MEADOWS-2028 WP
948L-HANSMAN-FAR

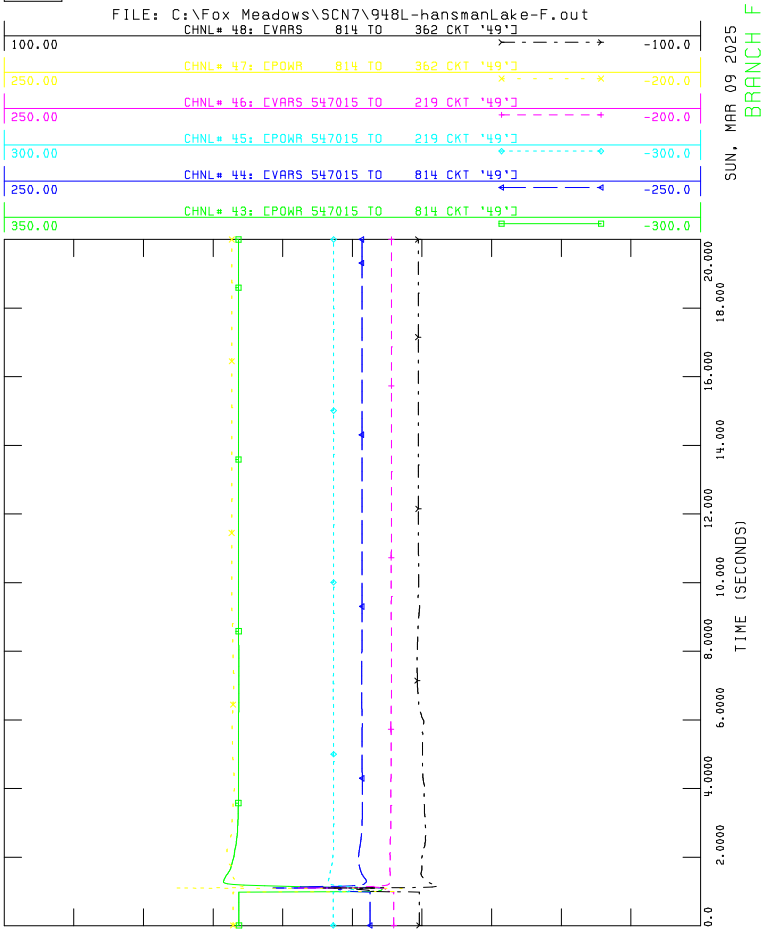
FILE: C:\Fox Meadows\SCN7\948L-hansmanLake-F.out



SUN, MAR 09 2025 7:12
VOLTAGE

AESO ABO FOX MEADOWS-2028 WP
948L-HANSMAN-FAR

FILE: C:\Fox Meadows\SCN7\948L-hansmanLake-F.out



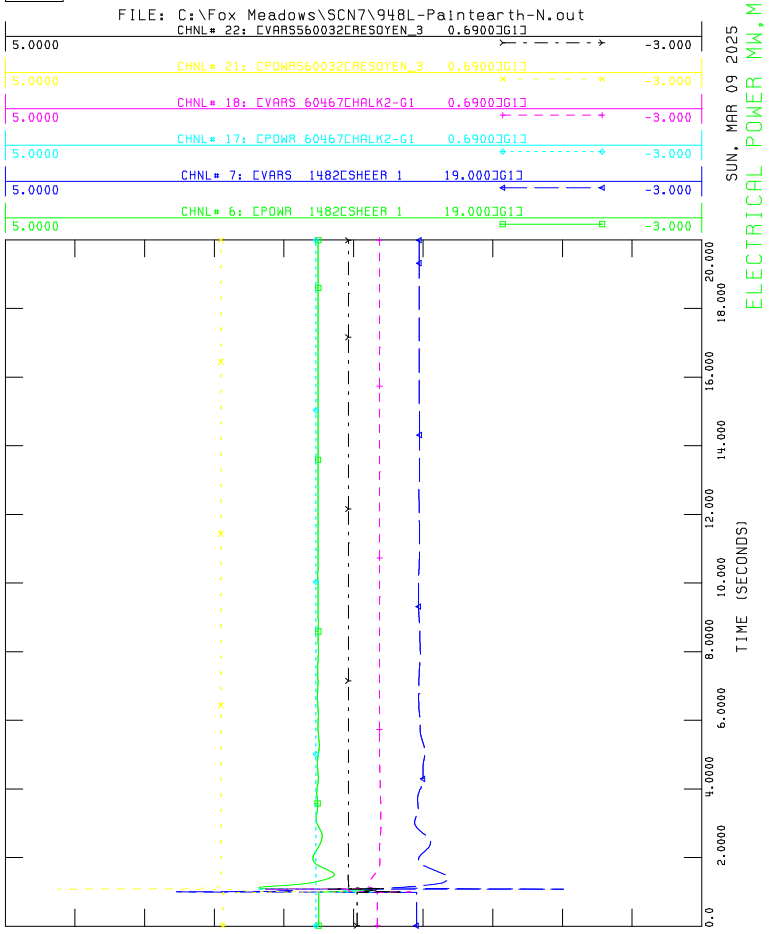
SUN, MAR 09 2025 7:12
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 WP
948L-PAINTEARTH-NEAR

FILE: C:\Fox Meadows\SCN7\948L-Paintearth-N.out

SUN, MAR 09 2025 7:12

ELECTRICAL POWER MW, MVAR

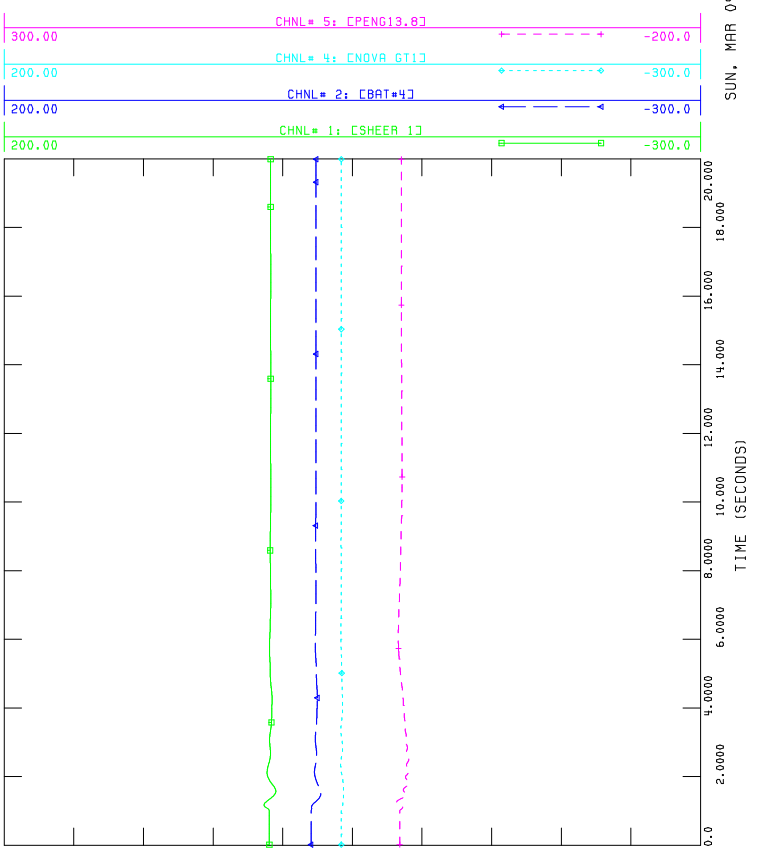


AESO ABO FOX MEADOWS-2028 WP
948L-PAINTEARTH-NEAR

FILE: C:\Fox Meadows\SCN7\948L-Paintearth-N.out

SUN, MAR 09 2025 7:12

ANGLES

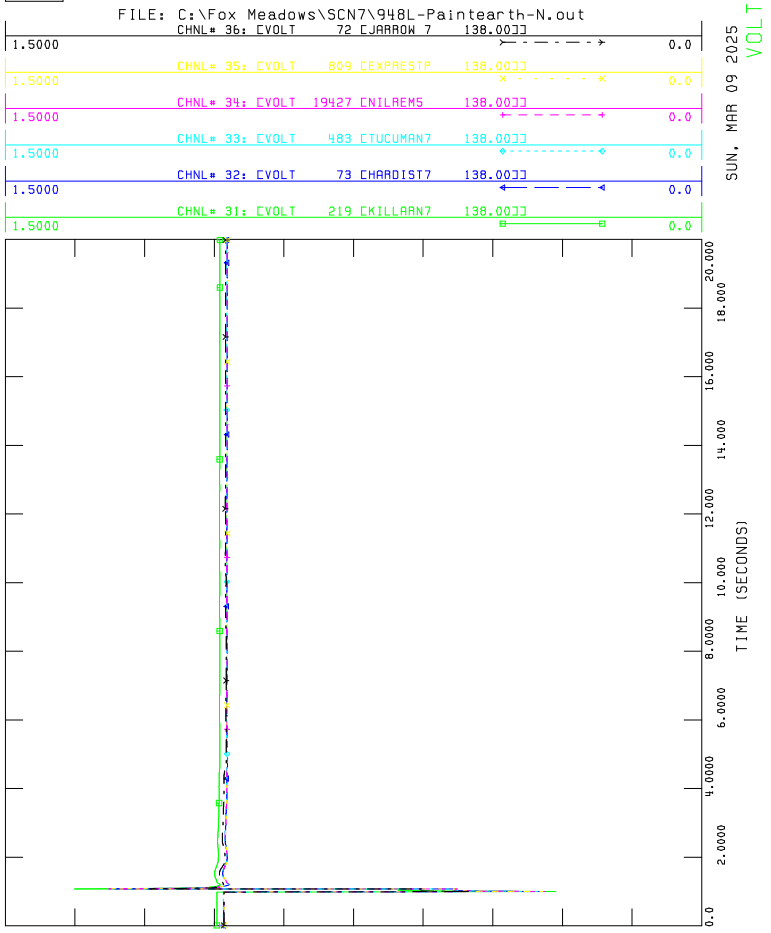


AESO ABO FOX MEADOWS-2028 WP
948L-PAINTEARTH-NEAR

FILE: C:\Fox Meadows\SCN7\948L-Paintearth-N.out

SUN, MAR 09 2025 7:12

VOLTAGE

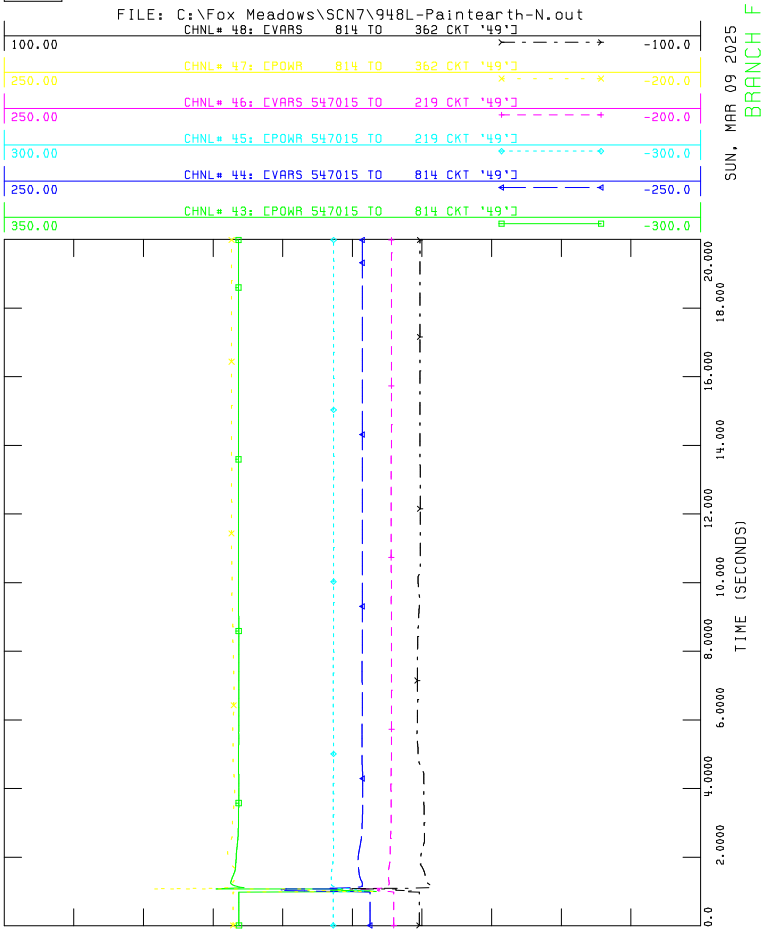


AESO ABO FOX MEADOWS-2028 WP
948L-PAINTEARTH-NEAR

FILE: C:\Fox Meadows\SCN7\948L-Paintearth-N.out

SUN, MAR 09 2025 7:12

BRANCH FLOW



AESO ABO FOX MEADOWS-2028 WP
948L-PAINTEARTH-FAR

FILE: C:\Fox Meadows\SCN7\948L-Paintearth-F.out

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J

5.0000 / -3.000

SUN, MAR 09 2025 7:12

ELECTRICAL POWER MW, MVAR

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
948L-PAINTEARTH-FAR

FILE: C:\Fox Meadows\SCN7\948L-Paintearth-F.out

CHNL# 5: CPENG13.8J
CHNL# 4: CNOVA GT1J
CHNL# 2: CBAT#4J
CHNL# 1: CSHEER 1J

300.00 / 200.00 / -200.0 / -300.0

SUN, MAR 09 2025 7:12

ANGLES

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
948L-PAINTEARTH-FAR

FILE: C:\Fox Meadows\SCN7\948L-Paintearth-F.out

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ

1.5000 / 0.0

SUN, MAR 09 2025 7:12

VOLTAGE

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
948L-PAINTEARTH-FAR

FILE: C:\Fox Meadows\SCN7\948L-Paintearth-F.out

CHNL# 48: CVARS 814 TO 362 CKT '49'J
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J

100.00 / 250.00 / 300.00 / 350.00 / -100.0 / -200.0 / -250.0 / -300.0

SUN, MAR 09 2025 7:12

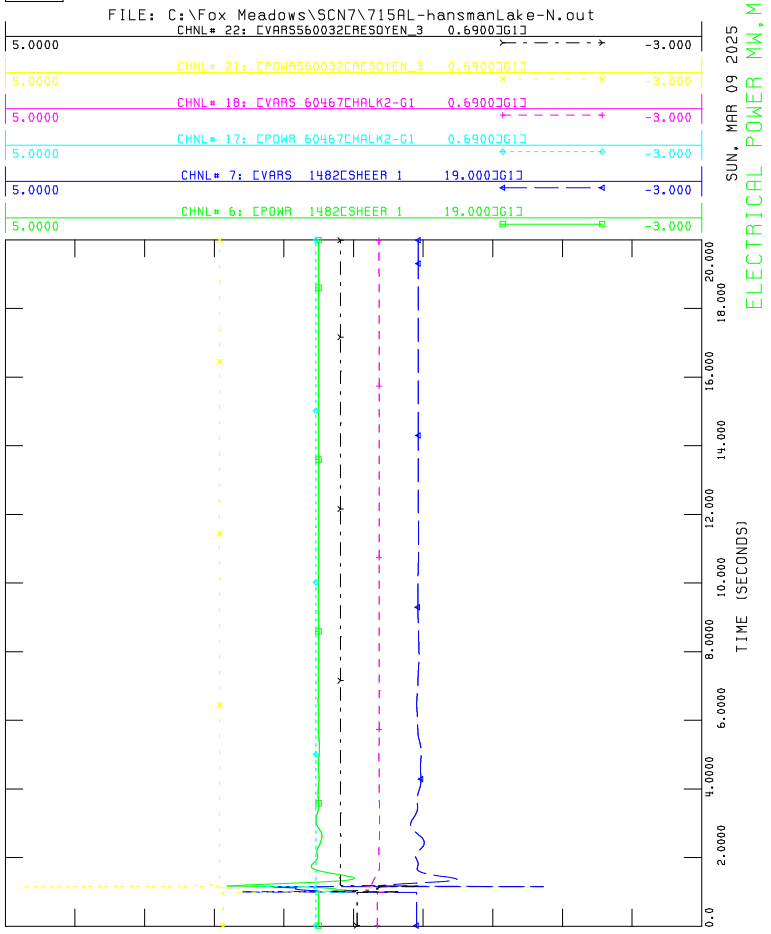
BRANCH FLOW

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
715L-PROVOST-NEAR

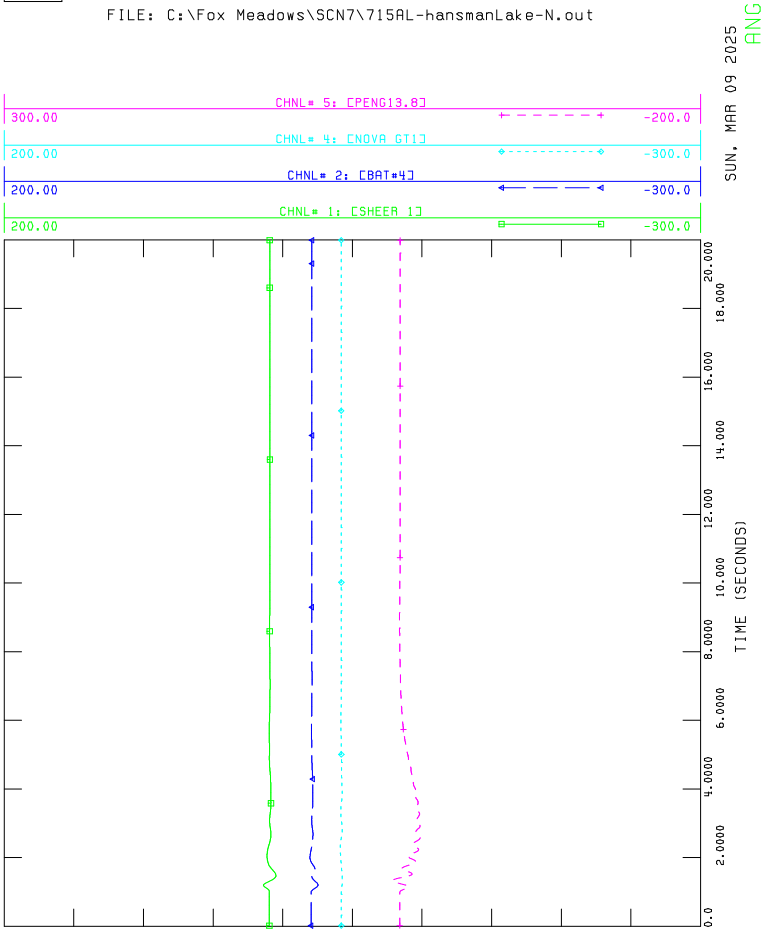
FILE: C:\Fox Meadows\SCN7\715AL-hansmanLake-N.out



SUN, MAR 09 2025 7:12
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 WP
715L-PROVOST-NEAR

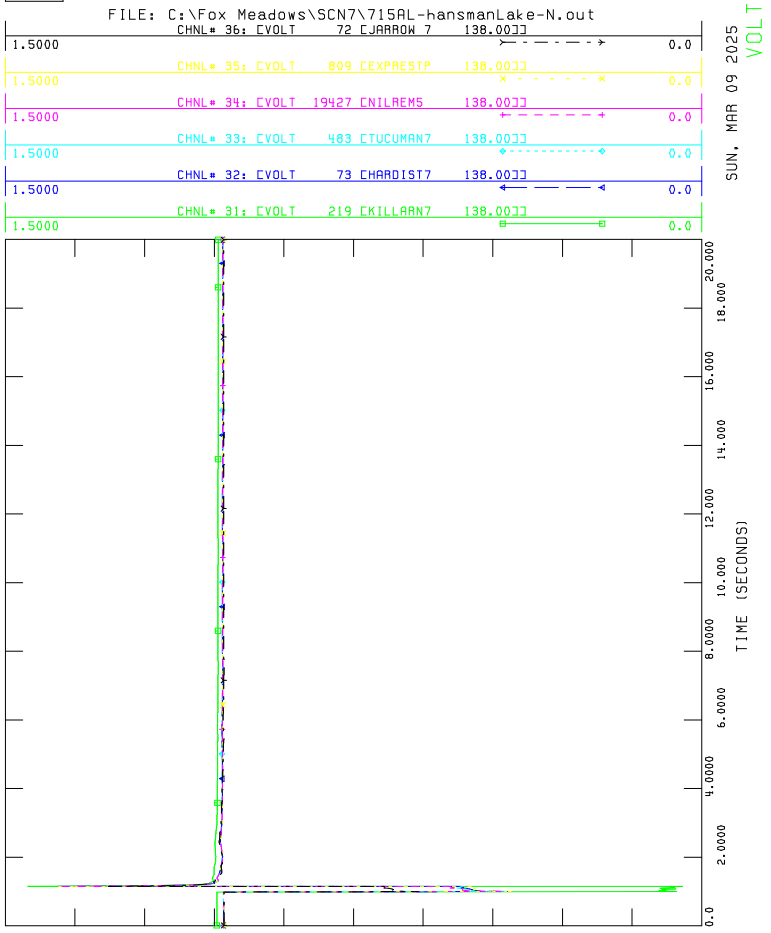
FILE: C:\Fox Meadows\SCN7\715AL-hansmanLake-N.out



SUN, MAR 09 2025 7:12
ANGLES

AESO ABO FOX MEADOWS-2028 WP
715L-PROVOST-NEAR

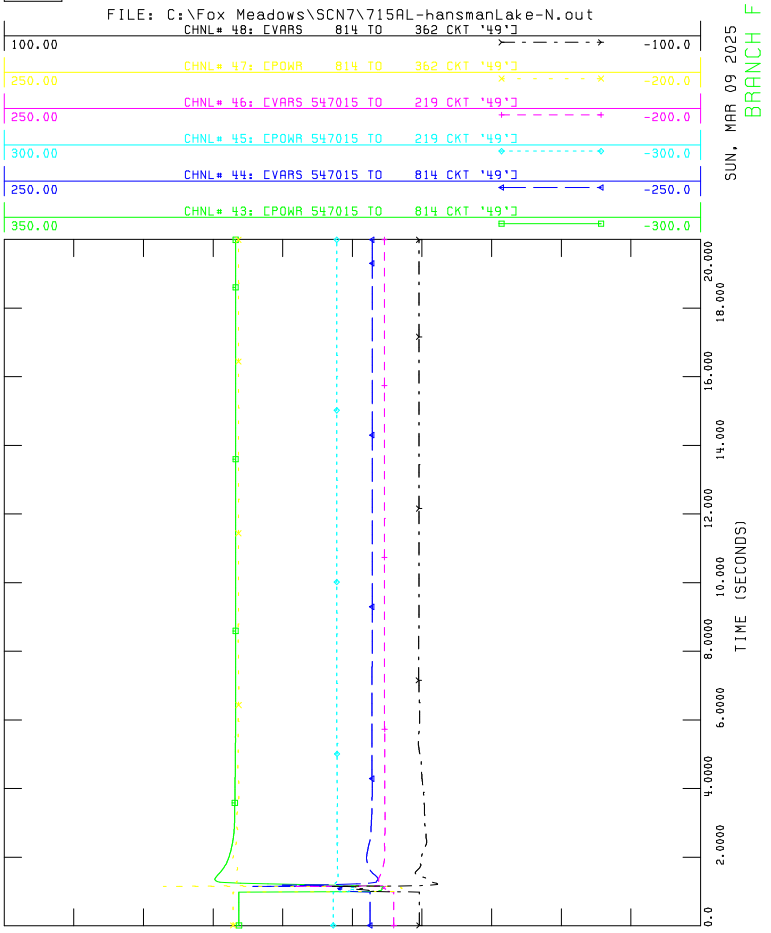
FILE: C:\Fox Meadows\SCN7\715AL-hansmanLake-N.out



SUN, MAR 09 2025 7:12
VOLTAGE

AESO ABO FOX MEADOWS-2028 WP
715L-PROVOST-NEAR

FILE: C:\Fox Meadows\SCN7\715AL-hansmanLake-N.out



SUN, MAR 09 2025 7:12
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 WP
715L-PROVOST-FAR

FILE: C:\Fox Meadows\SCN7\715AL-hansmanLake-F.out

SUN, MAR 09 2025 7:12

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
5.0000 -3.000
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
5.0000 -3.000

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 WP
715L-PROVOST-FAR

FILE: C:\Fox Meadows\SCN7\715AL-hansmanLake-F.out

SUN, MAR 09 2025 7:12

ANGLES

CHNL# 5: CPENG13,8J
300.00 -200.0
CHNL# 4: CNOVA GT1J
200.00 -300.0
CHNL# 2: CBAT#4J
200.00 -300.0
CHNL# 1: CSHEER 1J
200.00 -300.0

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 WP
715L-PROVOST-FAR

FILE: C:\Fox Meadows\SCN7\715AL-hansmanLake-F.out

SUN, MAR 09 2025 7:12

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
1.5000 0.0
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
1.5000 0.0
CHNL# 34: CVOLT 19427 CNILREM5 138.00JJ
1.5000 0.0
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
1.5000 0.0
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
1.5000 0.0
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ
1.5000 0.0

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 WP
715L-PROVOST-FAR

FILE: C:\Fox Meadows\SCN7\715AL-hansmanLake-F.out

SUN, MAR 09 2025 7:12

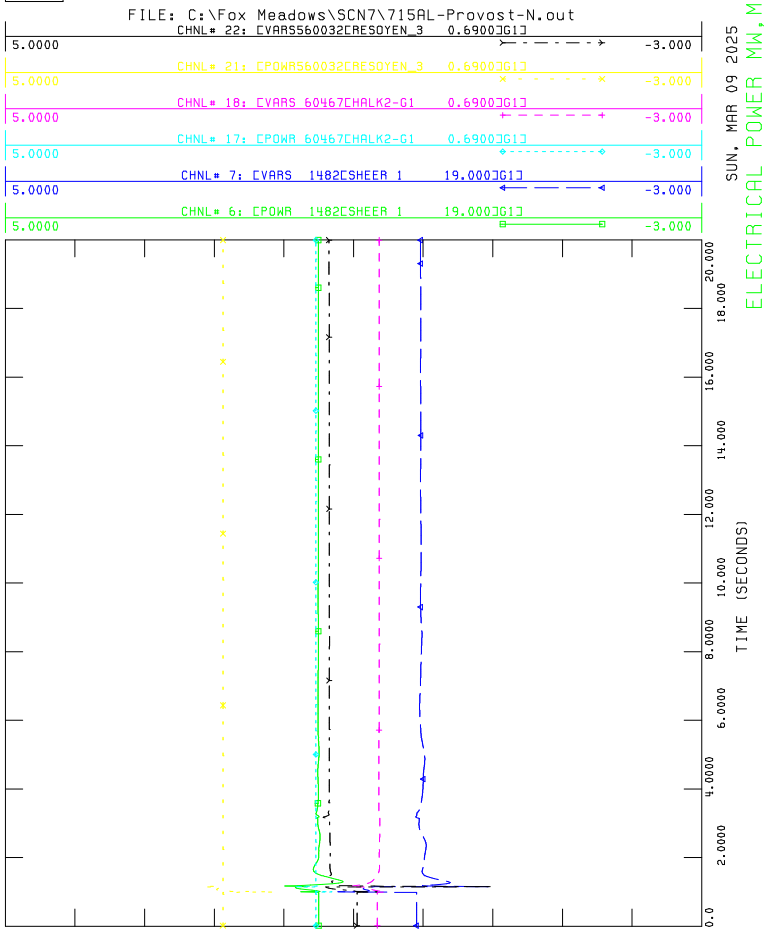
BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
100.00 -100.0
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
300.00 -300.0
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
350.00 -300.0

TIME (SECONDS)

AESO ABO FOX MEADOWS-2028 WP
715L-PROVOST-NEAR

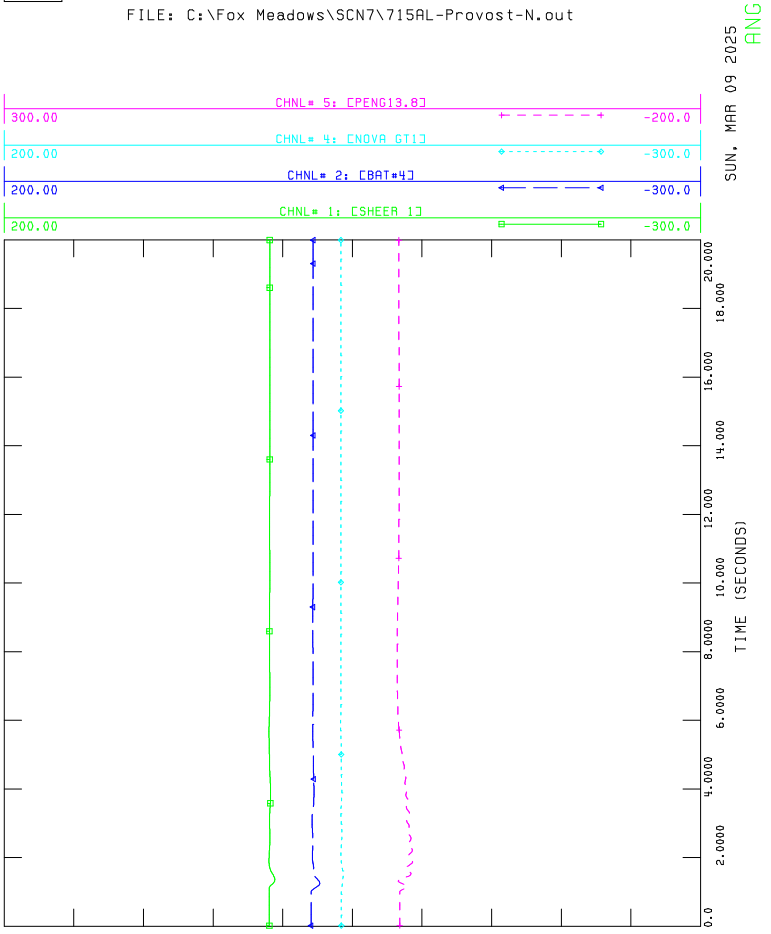
FILE: C:\Fox Meadows\SCN7\715AL-Provost-N.out



SUN, MAR 09 2025 7:12
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 WP
715L-PROVOST-NEAR

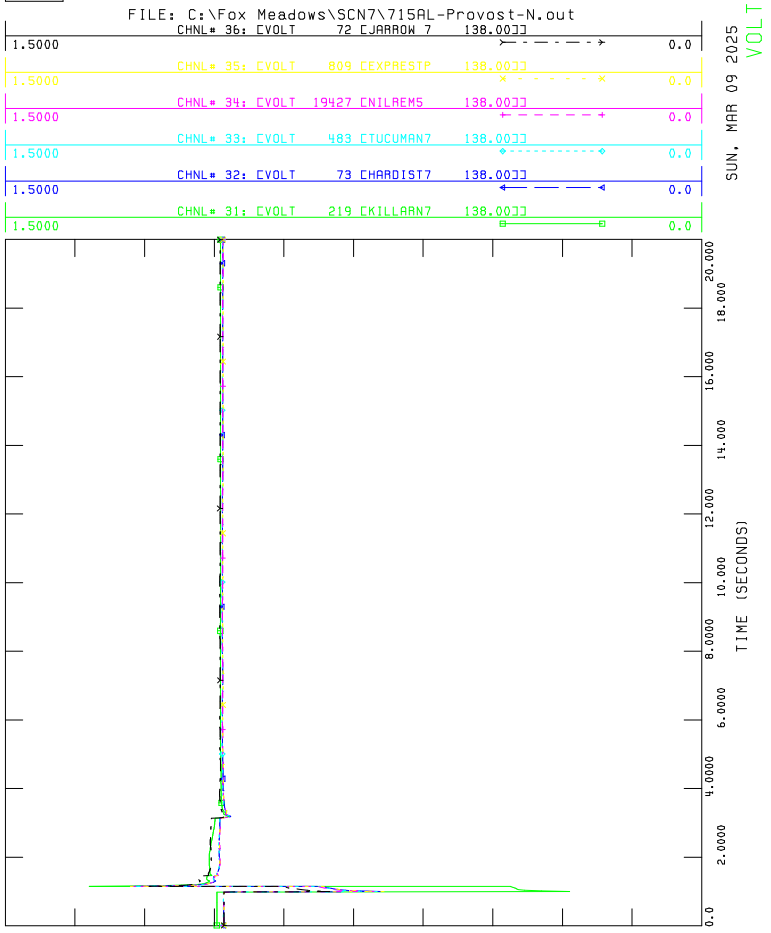
FILE: C:\Fox Meadows\SCN7\715AL-Provost-N.out



SUN, MAR 09 2025 7:12
ANGLES

AESO ABO FOX MEADOWS-2028 WP
715L-PROVOST-NEAR

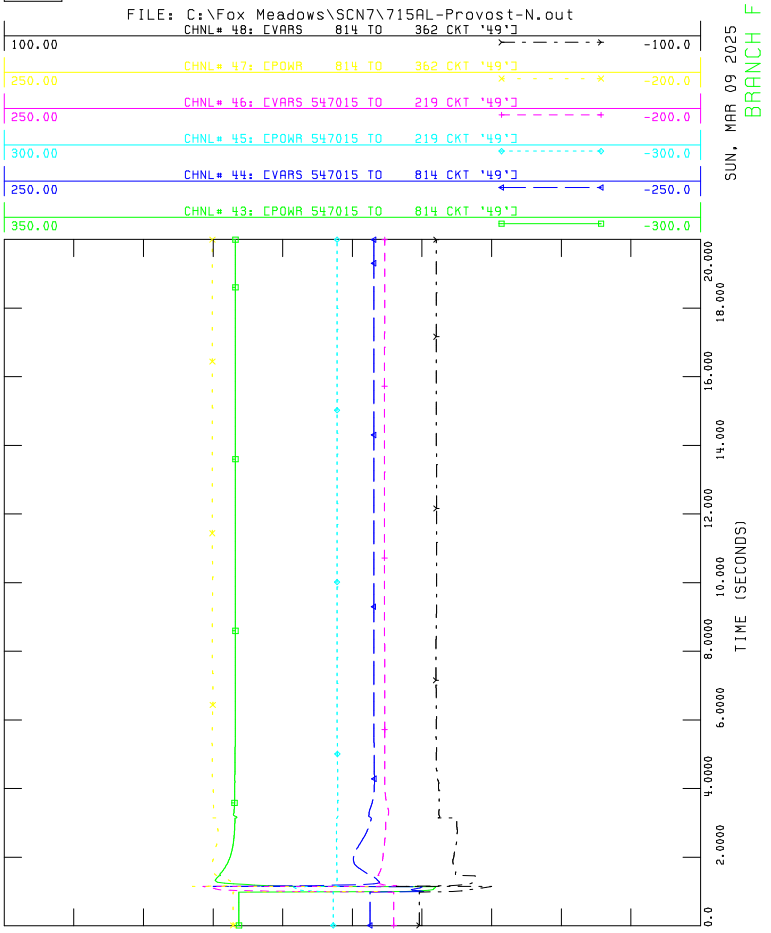
FILE: C:\Fox Meadows\SCN7\715AL-Provost-N.out



SUN, MAR 09 2025 7:12
VOLTAGE

AESO ABO FOX MEADOWS-2028 WP
715L-PROVOST-NEAR

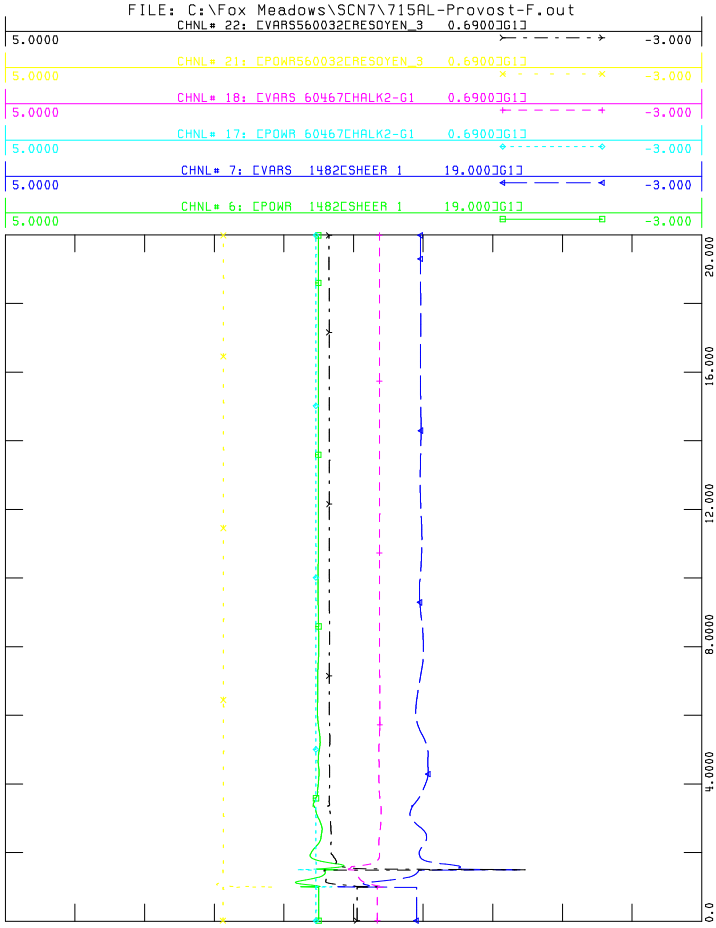
FILE: C:\Fox Meadows\SCN7\715AL-Provost-N.out



SUN, MAR 09 2025 7:12
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 WP
715L-PROVOST-FAR

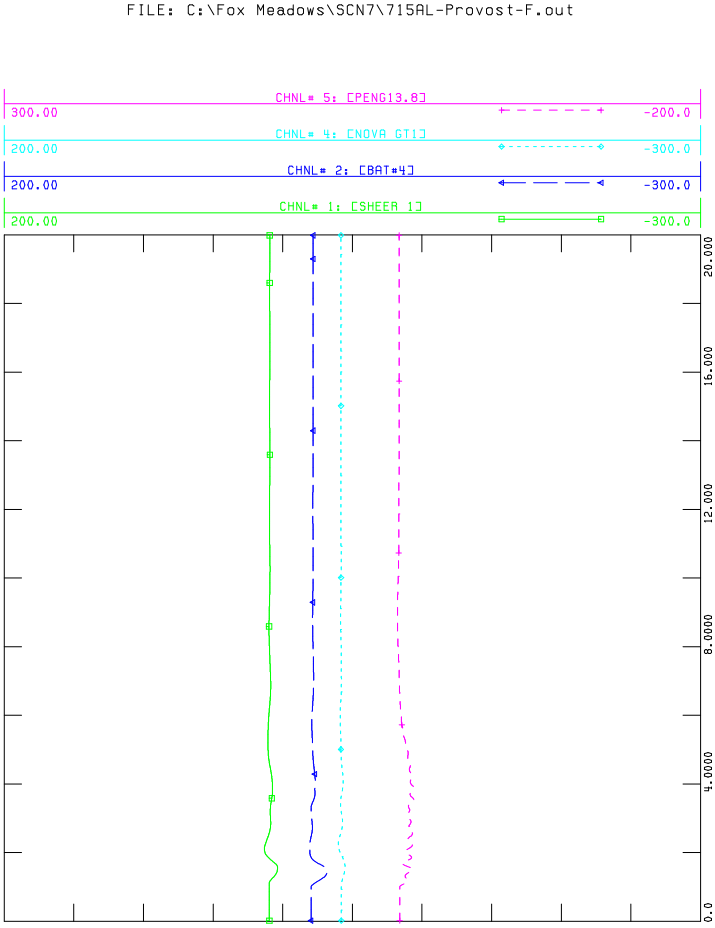
FILE: C:\Fox Meadows\SCN7\715AL-Provost-F.out



SUN, MAR 09 2025 7:12
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 WP
715L-PROVOST-FAR

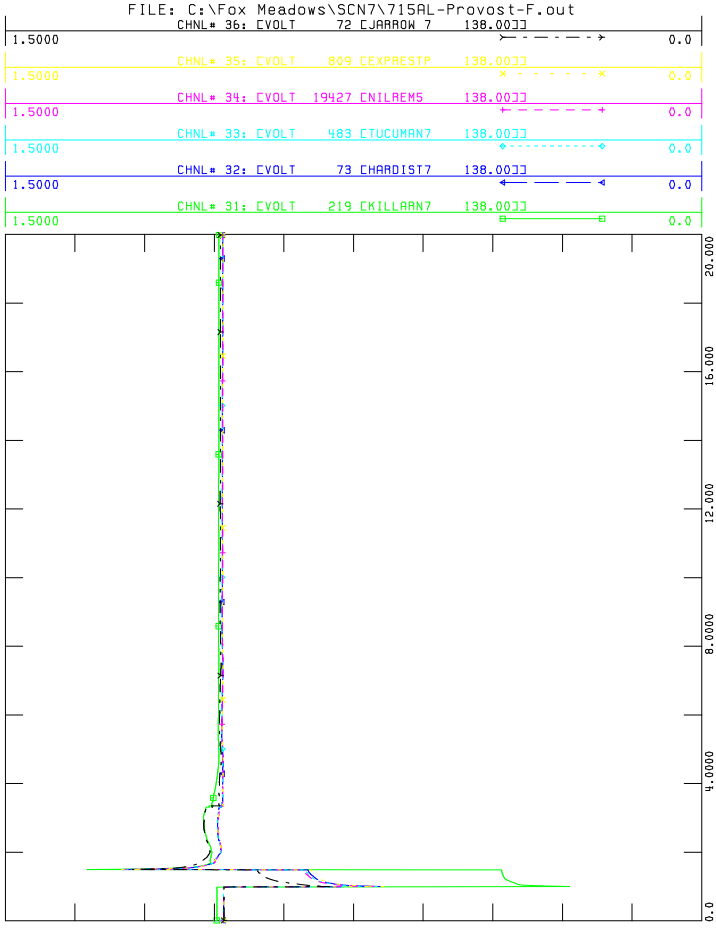
FILE: C:\Fox Meadows\SCN7\715AL-Provost-F.out



SUN, MAR 09 2025 7:12
ANGLES

AESO ABO FOX MEADOWS-2028 WP
715L-PROVOST-FAR

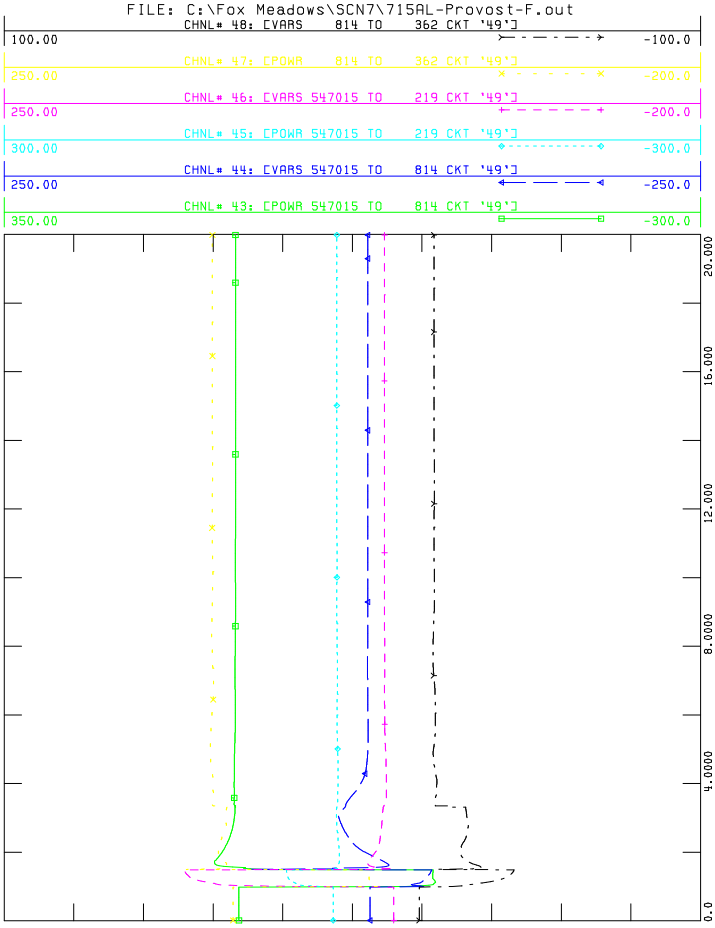
FILE: C:\Fox Meadows\SCN7\715AL-Provost-F.out



SUN, MAR 09 2025 7:12
VOLTAGE

AESO ABO FOX MEADOWS-2028 WP
715L-PROVOST-FAR

FILE: C:\Fox Meadows\SCN7\715AL-Provost-F.out



SUN, MAR 09 2025 7:12
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 WP
703L-HUGHENDEN-NEAR

FILE: C:\Fox Meadows\SCN7\703L-Hughenden-N.out

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
5.0000 -3.000
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
5.0000 -3.000
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
5.0000 -3.000
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J
5.0000 -3.000

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000
TIME (SECONDS)

SUN, MAR 09 2025 7:12
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 WP
703L-HUGHENDEN-NEAR

FILE: C:\Fox Meadows\SCN7\703L-Hughenden-N.out

CHNL# 5: CPENG13.8J
300.00 -200.0
CHNL# 4: CNOVA GT1J
200.00 -300.0
CHNL# 2: CBAT#4J
200.00 -300.0
CHNL# 1: CSHEER 1J
200.00 -300.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000
TIME (SECONDS)

SUN, MAR 09 2025 7:12
ANGLES

AESO ABO FOX MEADOWS-2028 WP
703L-HUGHENDEN-NEAR

FILE: C:\Fox Meadows\SCN7\703L-Hughenden-N.out

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
1.5000 0.0
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
1.5000 0.0
CHNL# 34: CVOLT 19427 CNILAEMS 138.00JJ
1.5000 0.0
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
1.5000 0.0
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
1.5000 0.0
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ
1.5000 0.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000
TIME (SECONDS)

SUN, MAR 09 2025 7:12
VOLTAGE

AESO ABO FOX MEADOWS-2028 WP
703L-HUGHENDEN-NEAR

FILE: C:\Fox Meadows\SCN7\703L-Hughenden-N.out

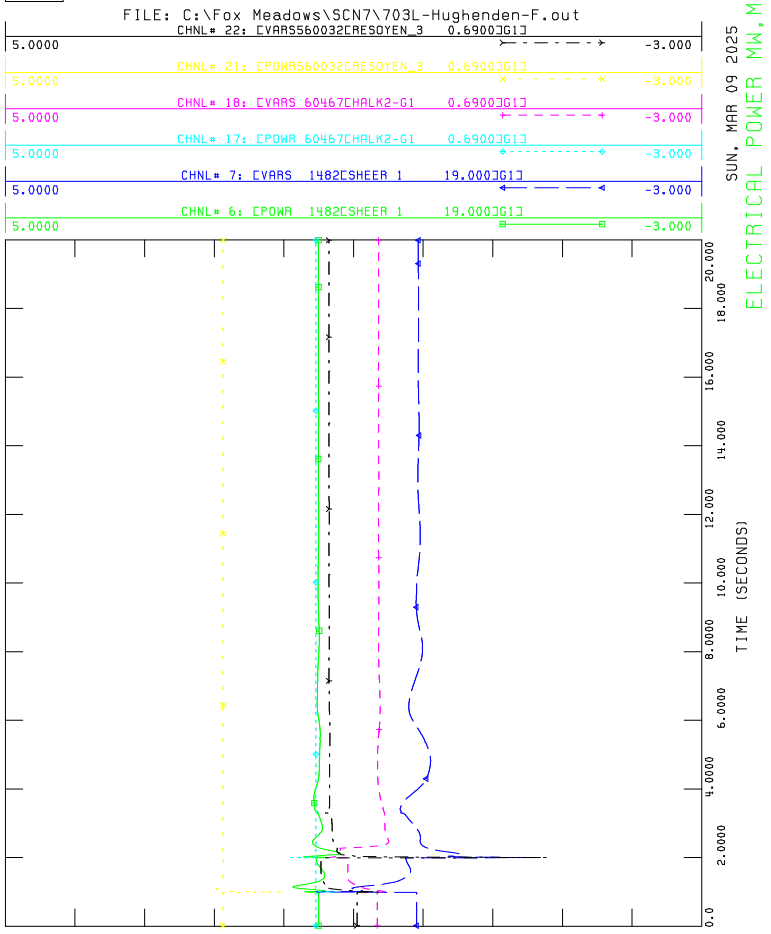
CHNL# 48: CVARS 814 TO 362 CKT '49'J
100.00 -100.0
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
250.00 -200.0
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
250.00 -200.0
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
300.00 -300.0
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
250.00 -250.0
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J
350.00 -300.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000
TIME (SECONDS)

SUN, MAR 09 2025 7:12
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 WP
703L-HUGHENDEN-FAR

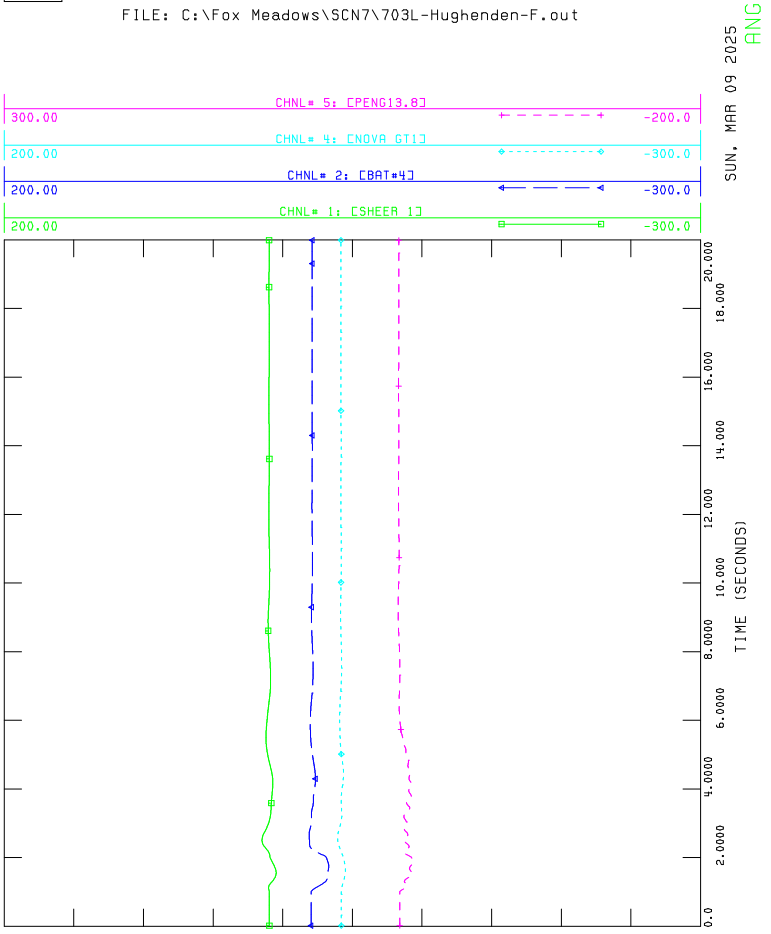
FILE: C:\Fox Meadows\SCN7\703L-Hughenden-F.out



SUN, MAR 09 2025 7:12 ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 WP
703L-HUGHENDEN-FAR

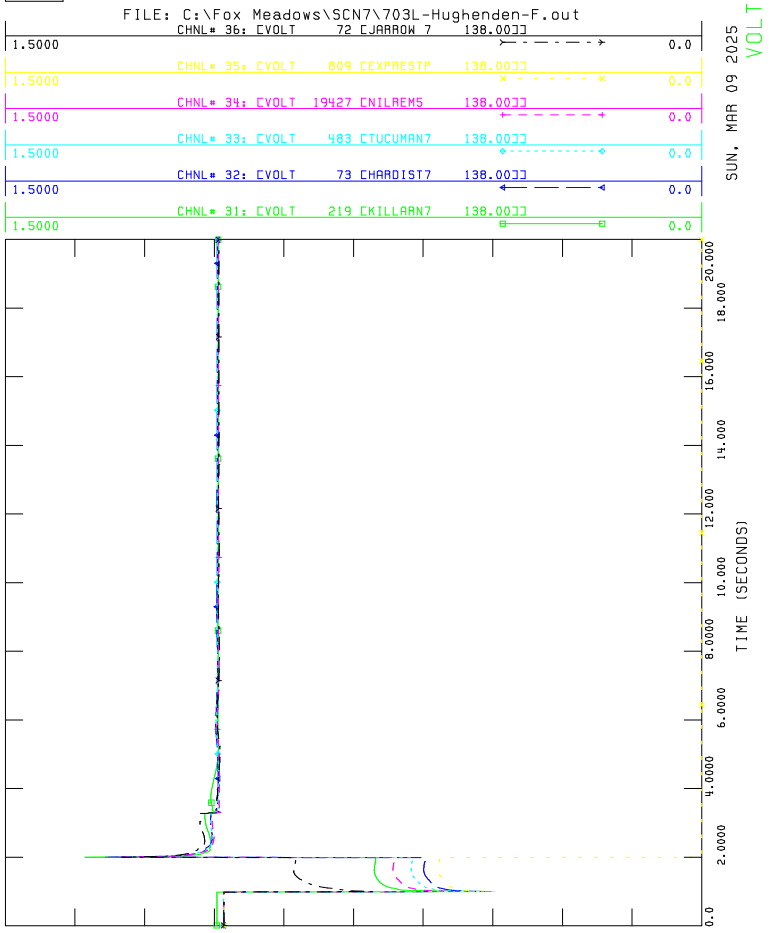
FILE: C:\Fox Meadows\SCN7\703L-Hughenden-F.out



SUN, MAR 09 2025 7:12 ANGLES

AESO ABO FOX MEADOWS-2028 WP
703L-HUGHENDEN-FAR

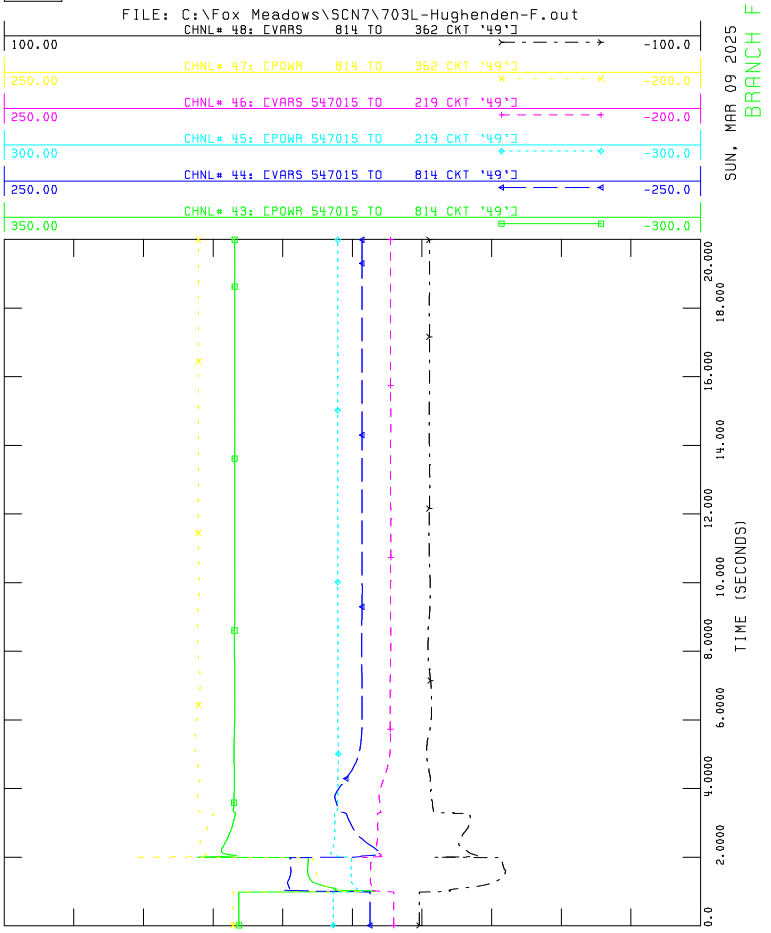
FILE: C:\Fox Meadows\SCN7\703L-Hughenden-F.out



SUN, MAR 09 2025 7:12 VOLTAGE

AESO ABO FOX MEADOWS-2028 WP
703L-HUGHENDEN-FAR

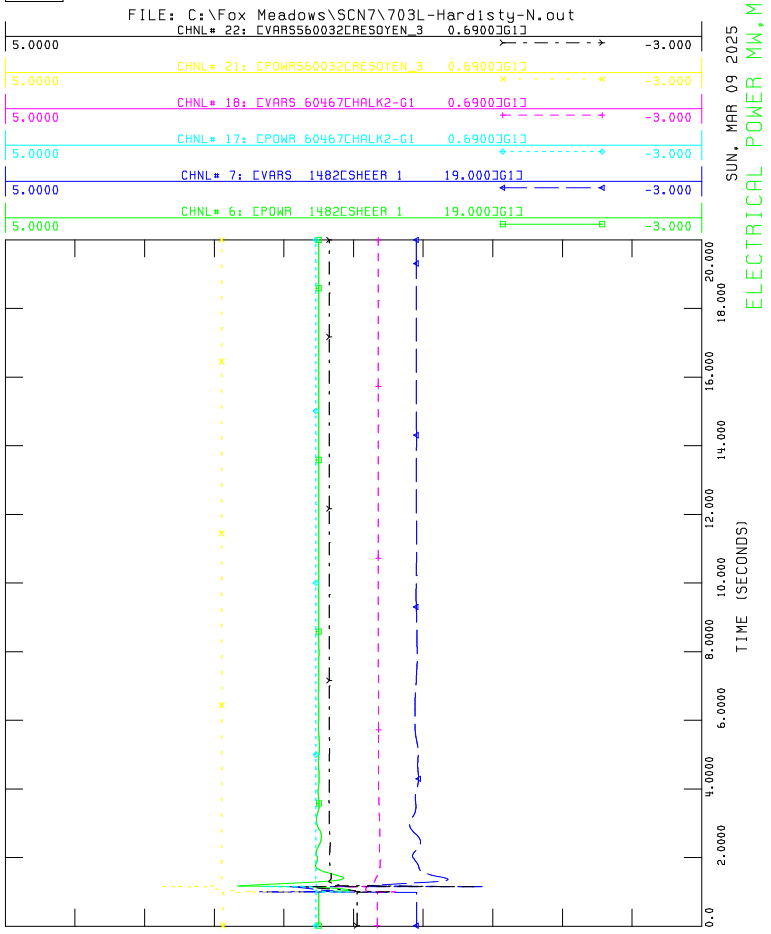
FILE: C:\Fox Meadows\SCN7\703L-Hughenden-F.out



SUN, MAR 09 2025 7:12 BRANCH FLOW

AESO ABO FOX MEADOWS-2028 WP
703L-HARDISTY-NEAR

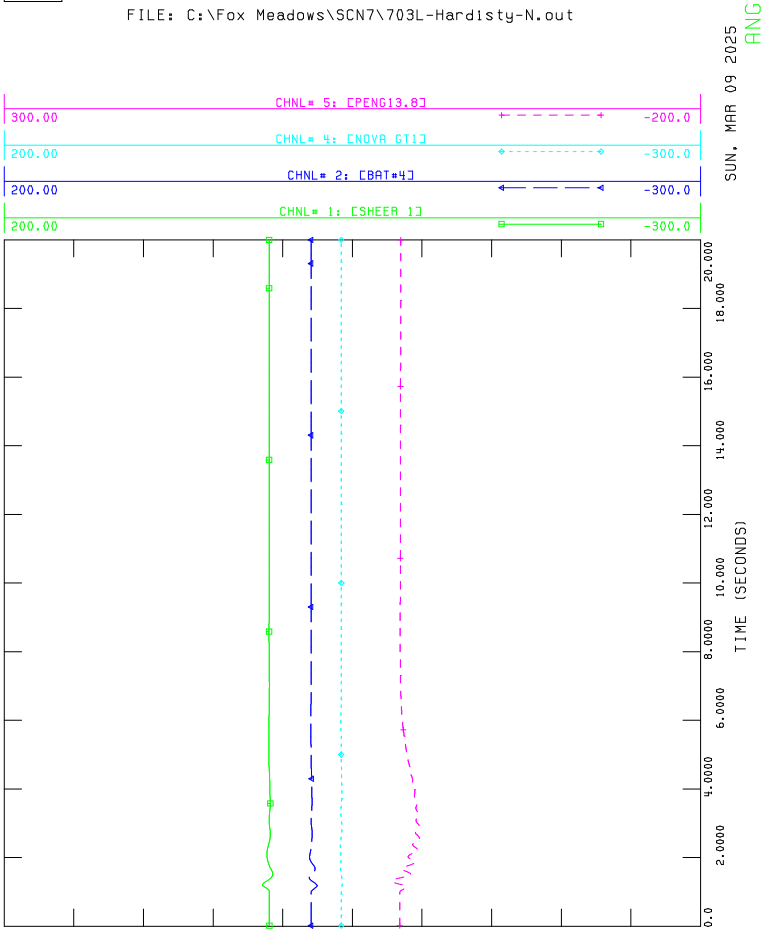
FILE: C:\Fox Meadows\SCN7\703L-Hardisty-N.out



SUN, MAR 09 2025 7:12
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 WP
703L-HARDISTY-NEAR

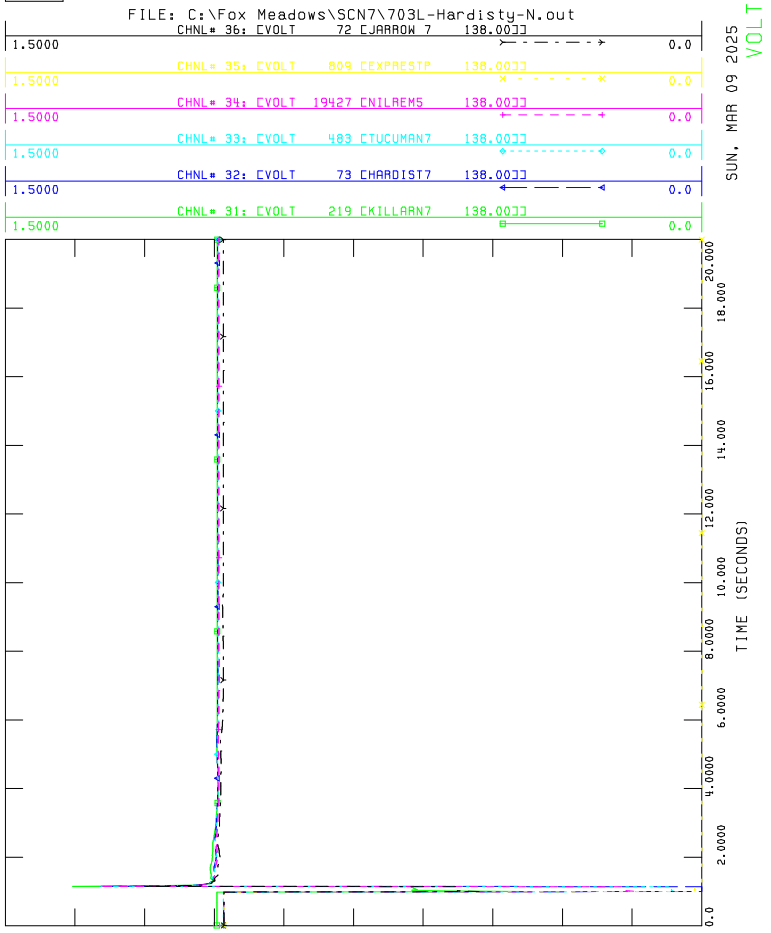
FILE: C:\Fox Meadows\SCN7\703L-Hardisty-N.out



SUN, MAR 09 2025 7:12
ANGLES

AESO ABO FOX MEADOWS-2028 WP
703L-HARDISTY-NEAR

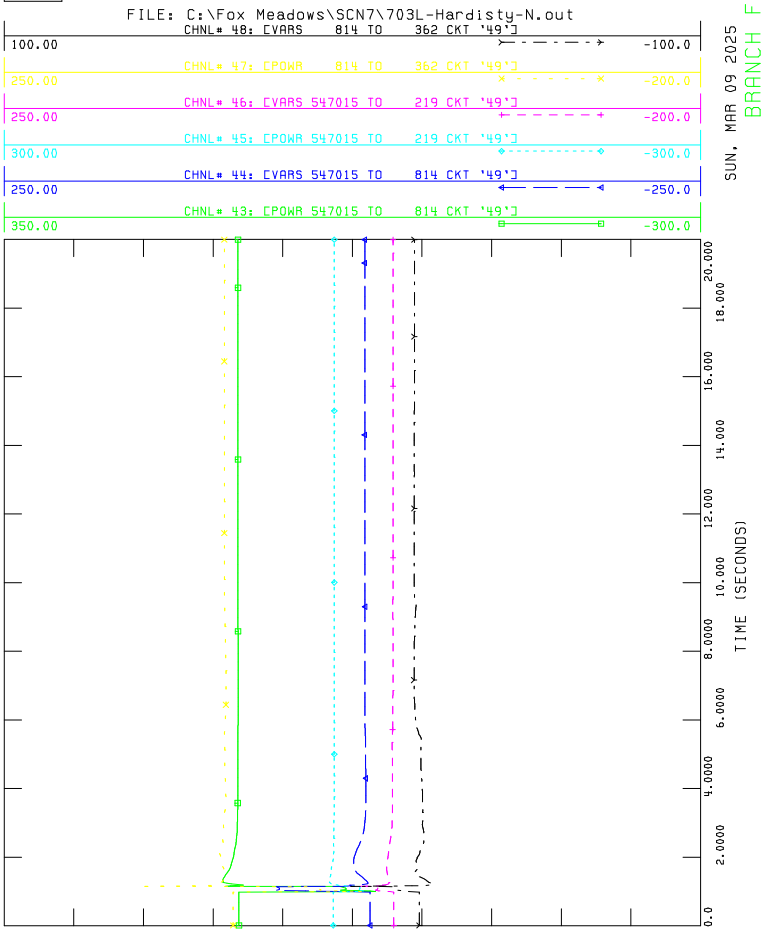
FILE: C:\Fox Meadows\SCN7\703L-Hardisty-N.out



SUN, MAR 09 2025 7:12
VOLTAGE

AESO ABO FOX MEADOWS-2028 WP
703L-HARDISTY-NEAR

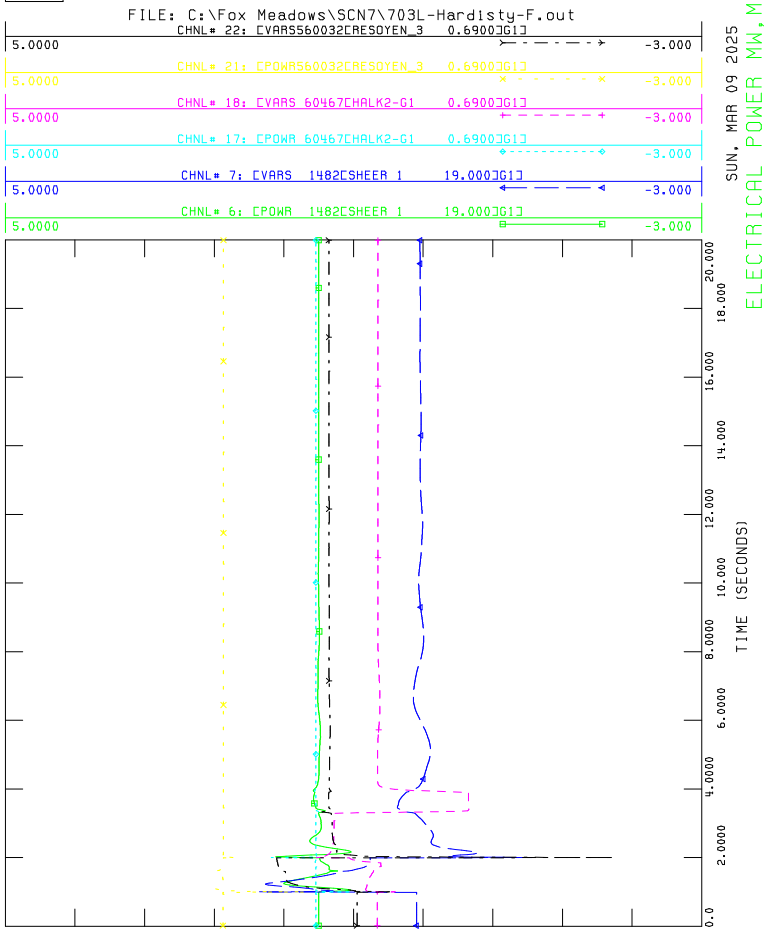
FILE: C:\Fox Meadows\SCN7\703L-Hardisty-N.out



SUN, MAR 09 2025 7:12
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 WP
703L-HARDISTY-FAR

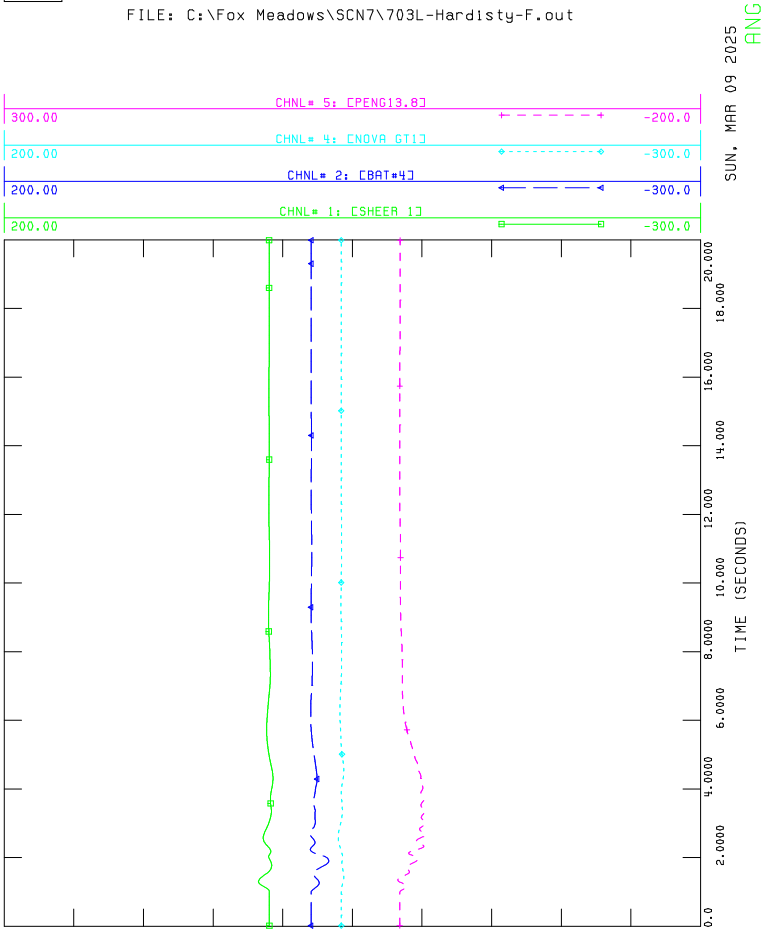
FILE: C:\Fox Meadows\SCN7\703L-Hardisty-F.out



SUN, MAR 09 2025 7:12
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 WP
703L-HARDISTY-FAR

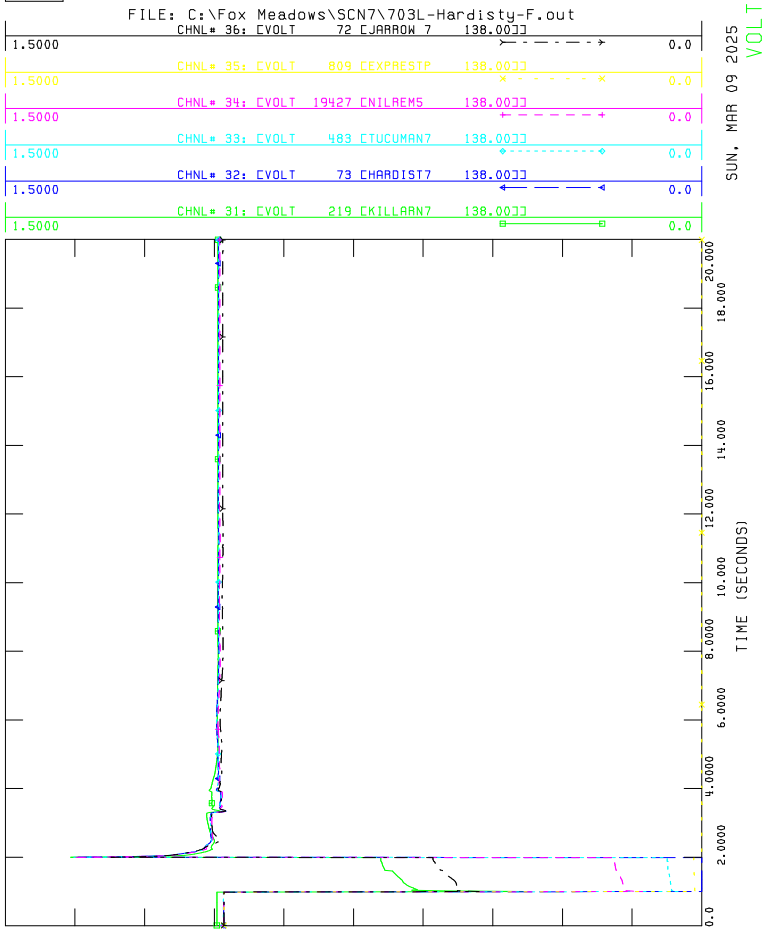
FILE: C:\Fox Meadows\SCN7\703L-Hardisty-F.out



SUN, MAR 09 2025 7:12
ANGLES

AESO ABO FOX MEADOWS-2028 WP
703L-HARDISTY-FAR

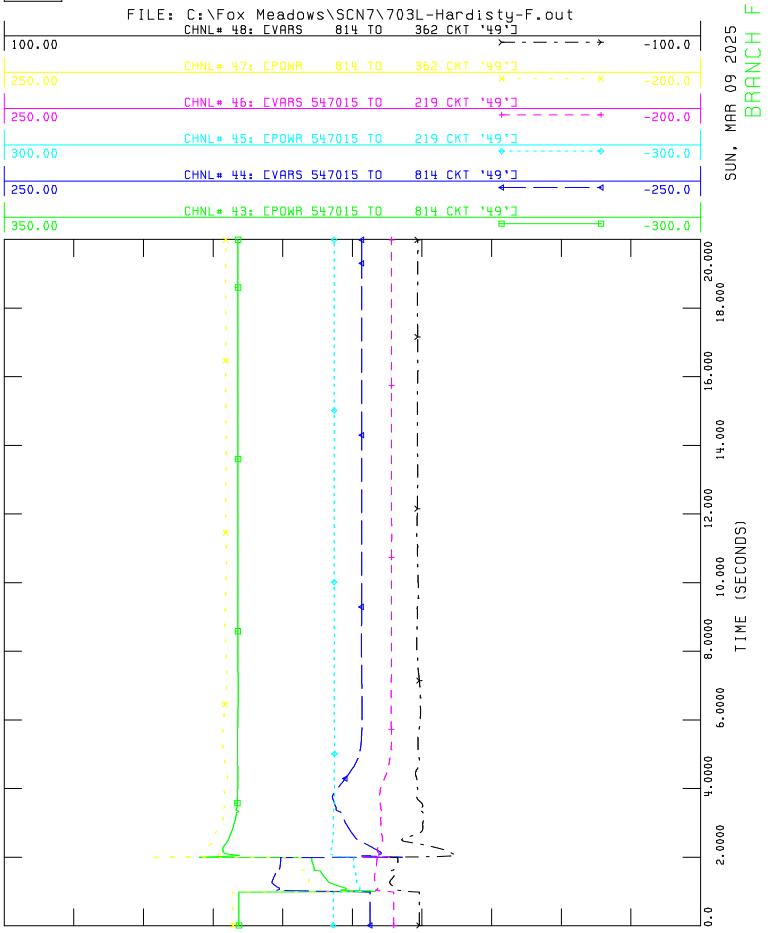
FILE: C:\Fox Meadows\SCN7\703L-Hardisty-F.out



SUN, MAR 09 2025 7:12
VOLTAGE

AESO ABO FOX MEADOWS-2028 WP
703L-HARDISTY-FAR

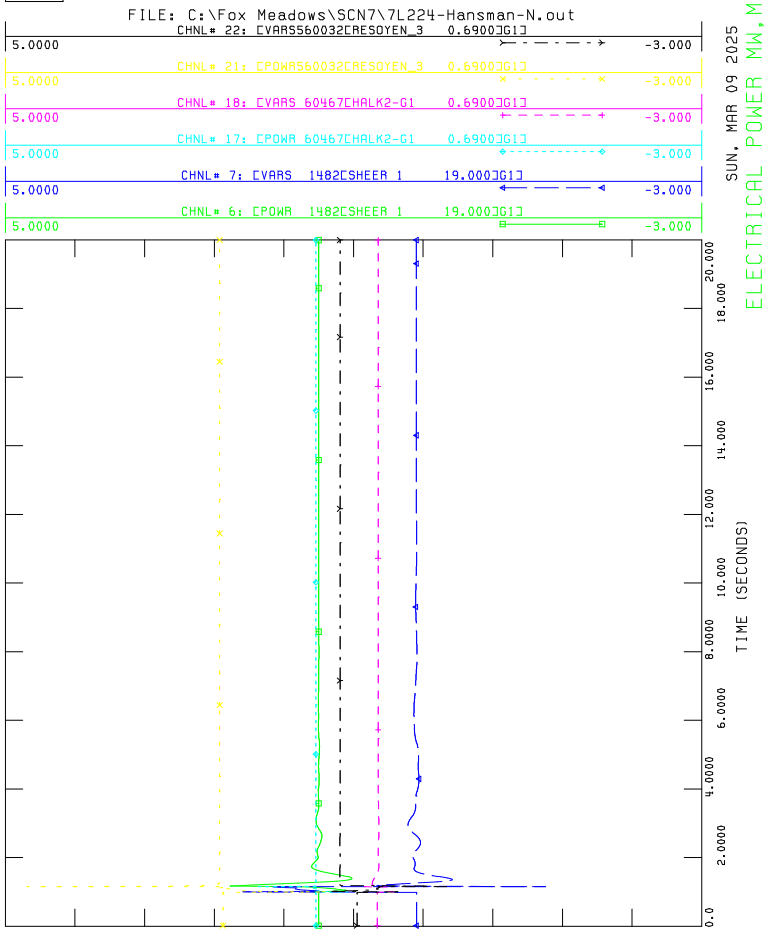
FILE: C:\Fox Meadows\SCN7\703L-Hardisty-F.out



SUN, MAR 09 2025 7:12
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 WP
7L224-HANSMAN-NEAR

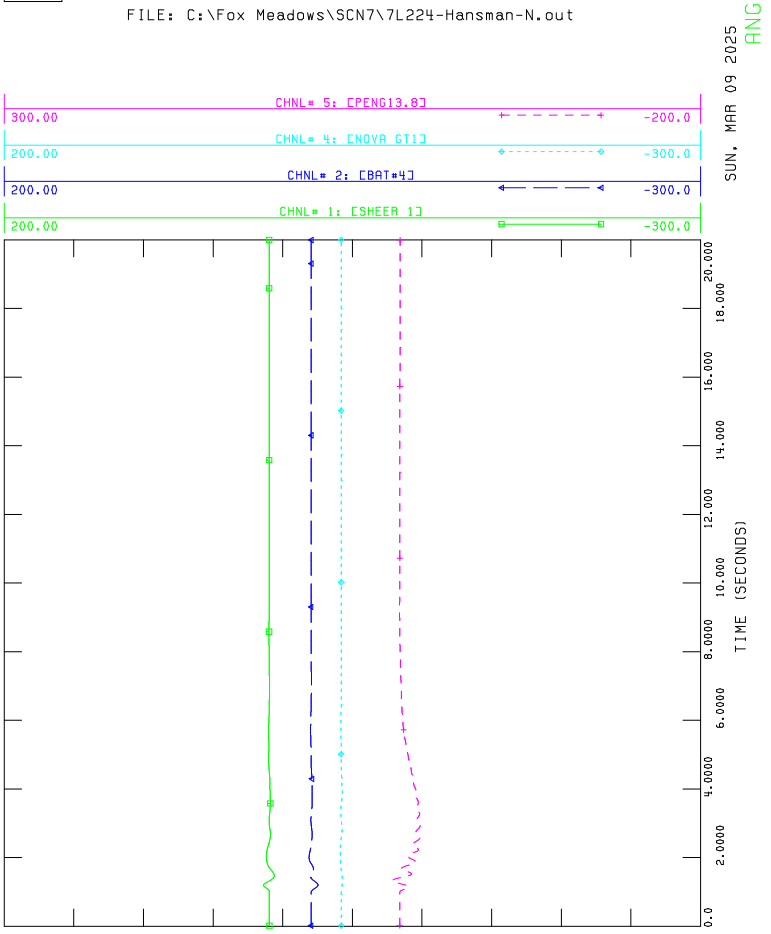
FILE: C:\Fox Meadows\SCN7\7L224-Hansman-N.out



SUN, MAR 09 2025 7:12
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 WP
7L224-HANSMAN-NEAR

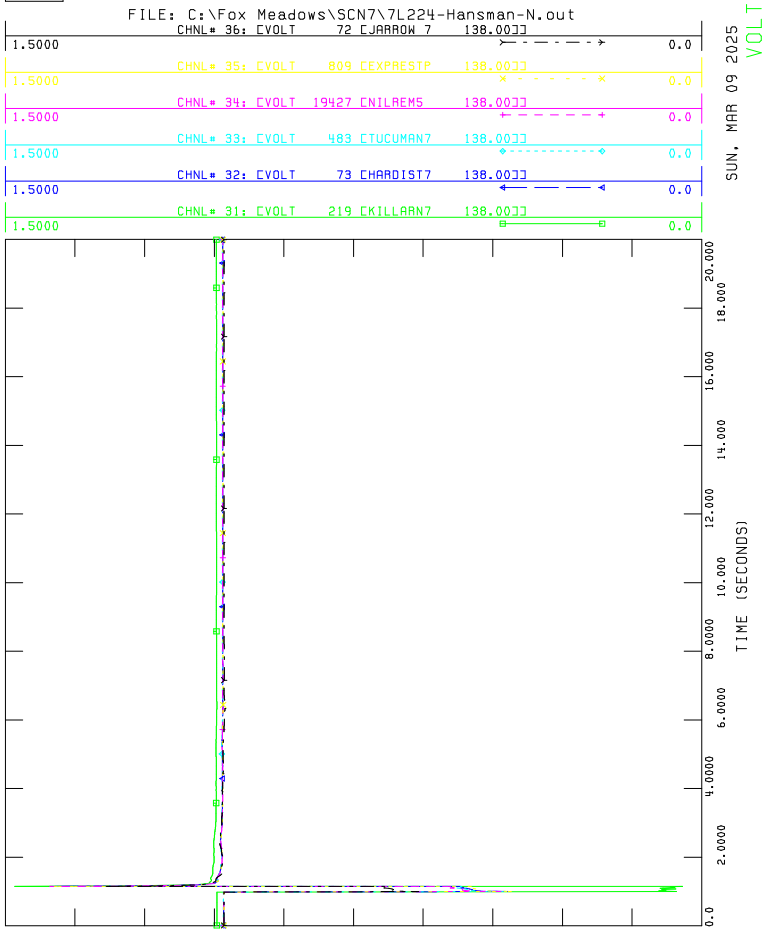
FILE: C:\Fox Meadows\SCN7\7L224-Hansman-N.out



SUN, MAR 09 2025 7:12
ANGLES

AESO ABO FOX MEADOWS-2028 WP
7L224-HANSMAN-NEAR

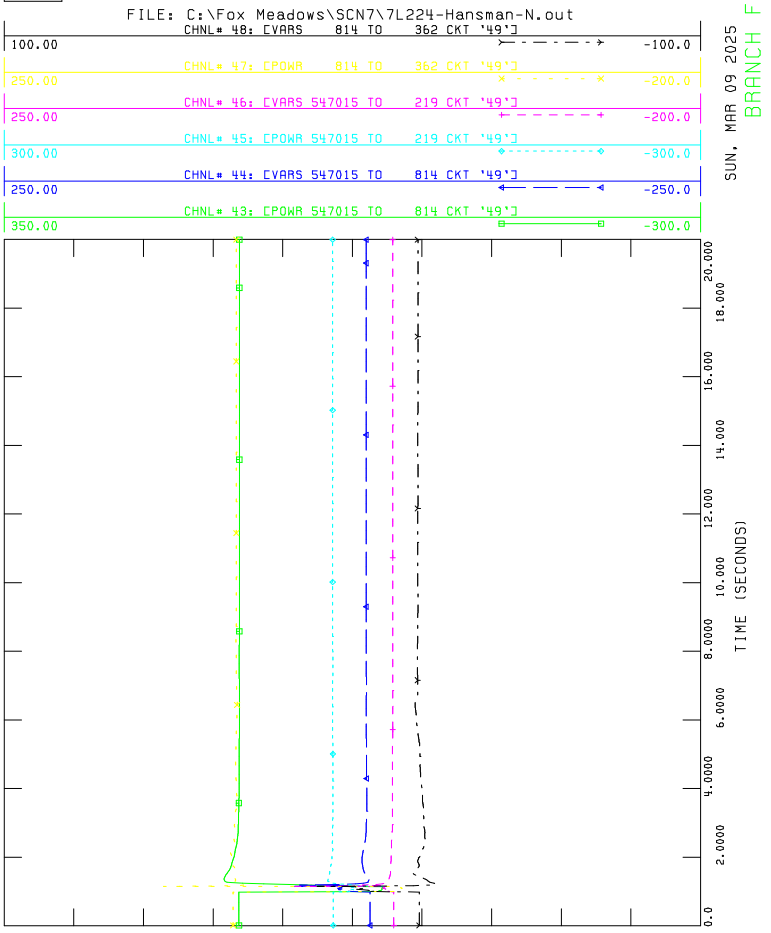
FILE: C:\Fox Meadows\SCN7\7L224-Hansman-N.out



SUN, MAR 09 2025 7:12
VOLTAGE

AESO ABO FOX MEADOWS-2028 WP
7L224-HANSMAN-NEAR

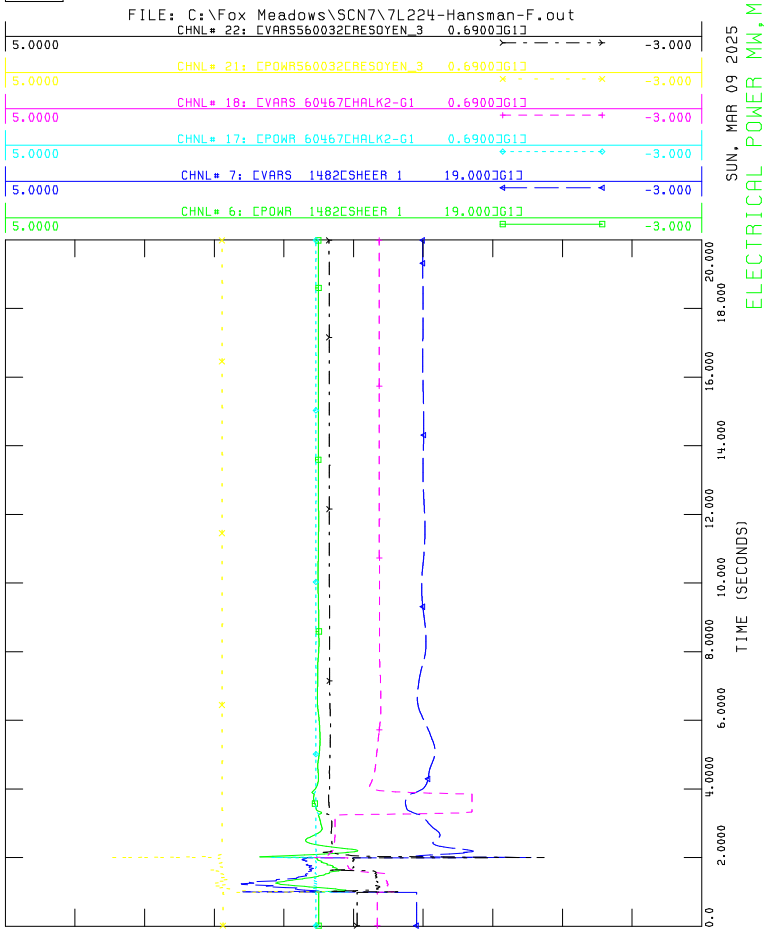
FILE: C:\Fox Meadows\SCN7\7L224-Hansman-N.out



SUN, MAR 09 2025 7:12
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 WP
7L224-HANSMAN-FAR

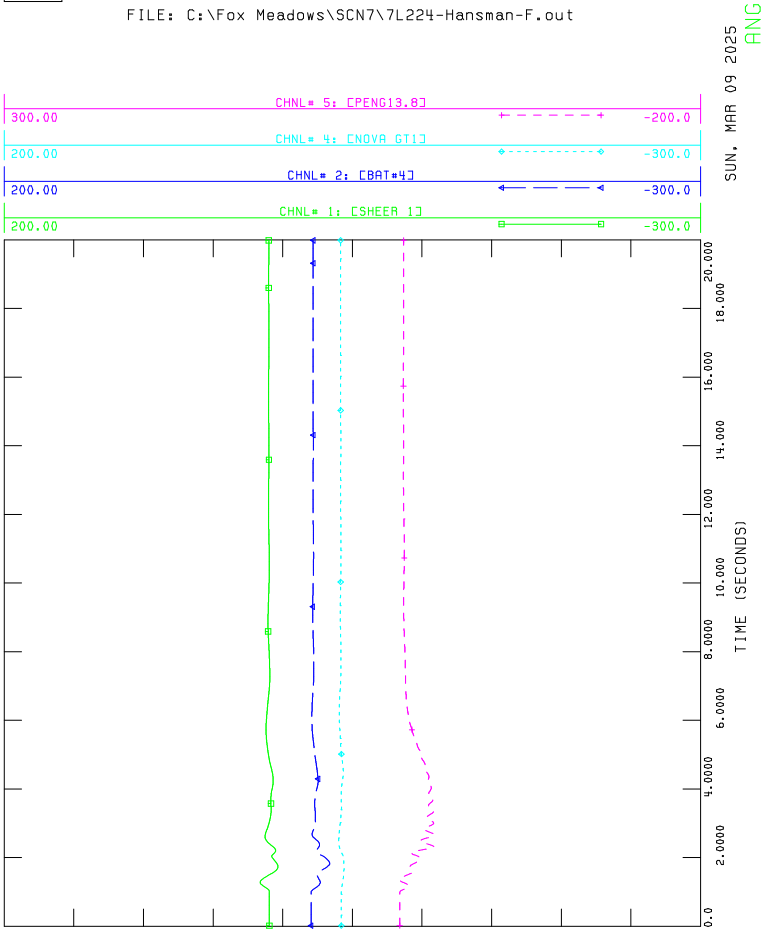
FILE: C:\Fox Meadows\SCN7\7L224-Hansman-F.out



SUN, MAR 09 2025 7:12
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 WP
7L224-HANSMAN-FAR

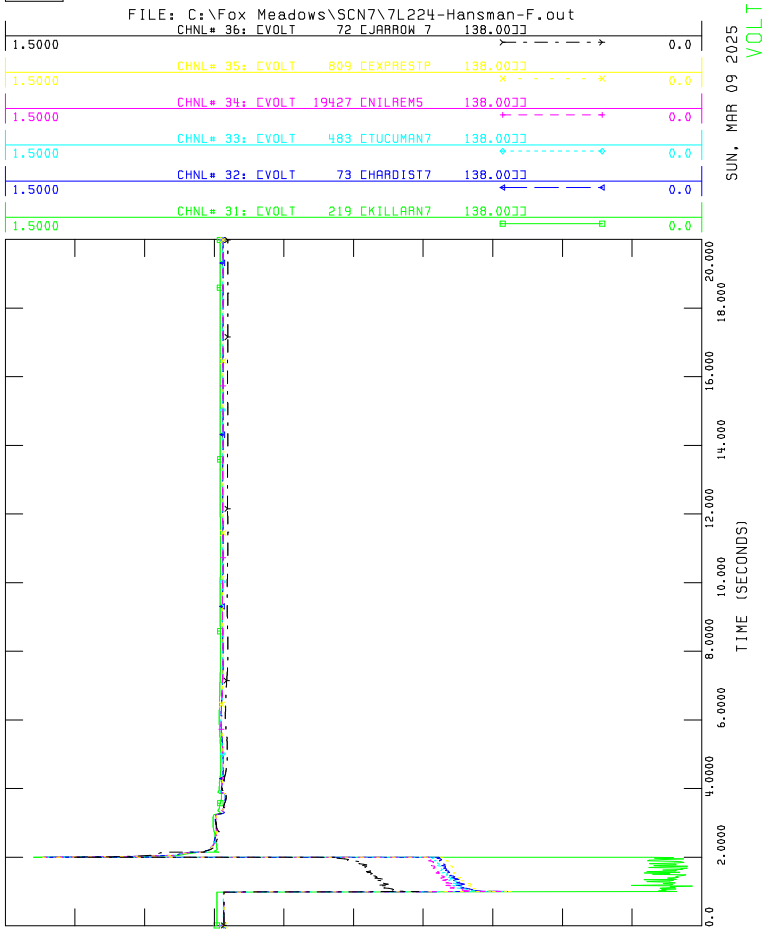
FILE: C:\Fox Meadows\SCN7\7L224-Hansman-F.out



SUN, MAR 09 2025 7:12
ANGLES

AESO ABO FOX MEADOWS-2028 WP
7L224-HANSMAN-FAR

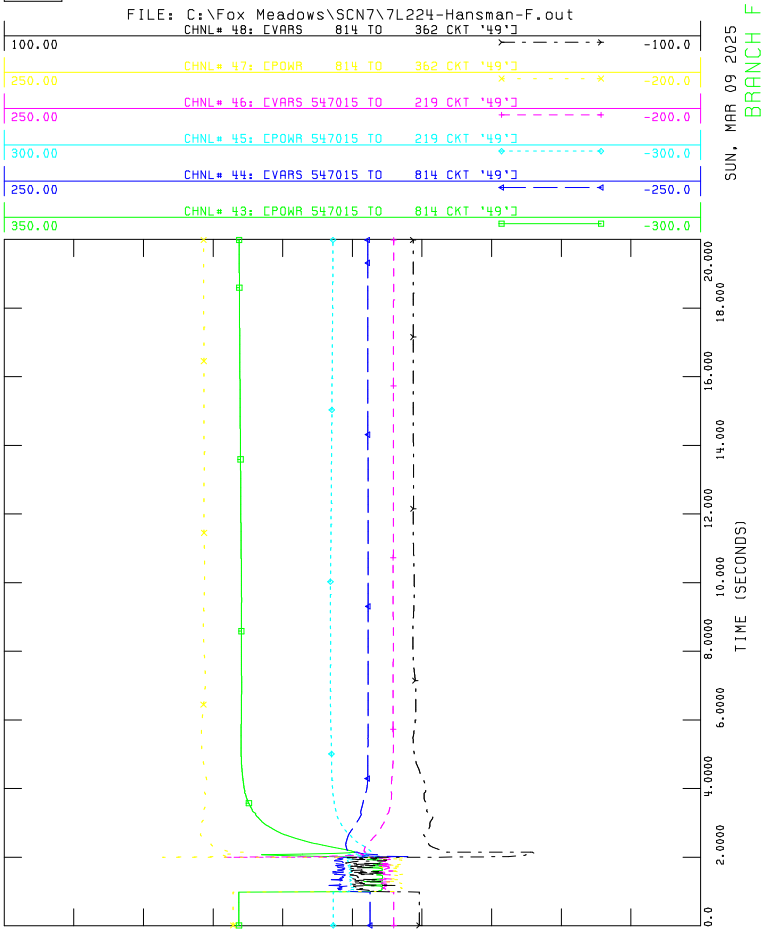
FILE: C:\Fox Meadows\SCN7\7L224-Hansman-F.out



SUN, MAR 09 2025 7:12
VOLTAGE

AESO ABO FOX MEADOWS-2028 WP
7L224-HANSMAN-FAR

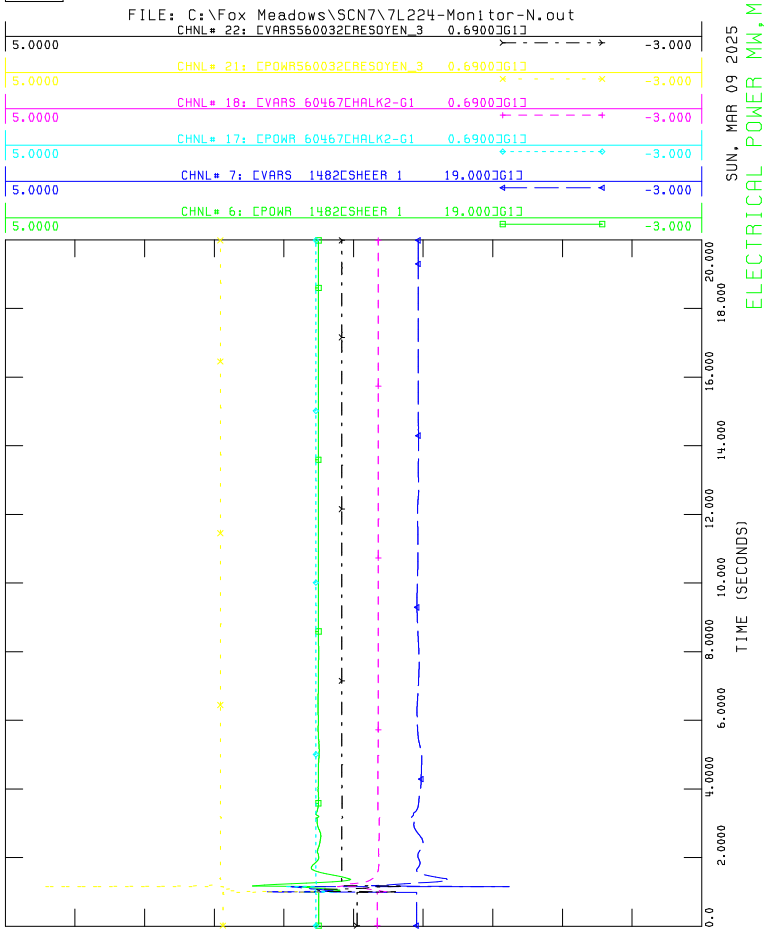
FILE: C:\Fox Meadows\SCN7\7L224-Hansman-F.out



SUN, MAR 09 2025 7:12
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 WP
7L224-MONITOR-NEAR

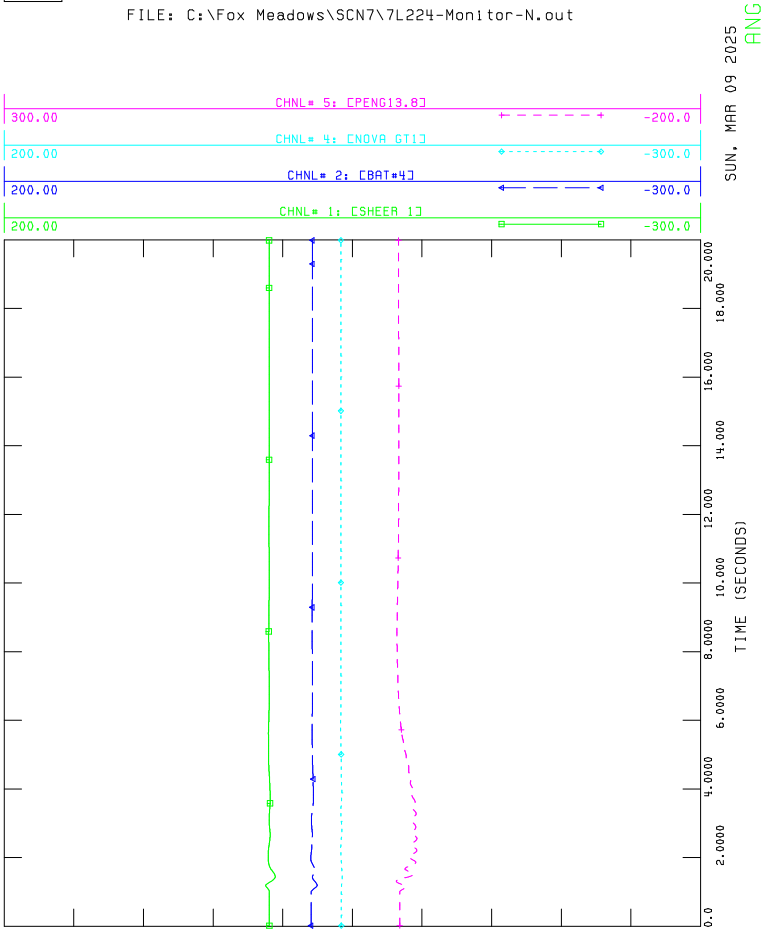
FILE: C:\Fox Meadows\SCN7\7L224-Monitor-N.out



SUN, MAR 09 2025 7:12
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 WP
7L224-MONITOR-NEAR

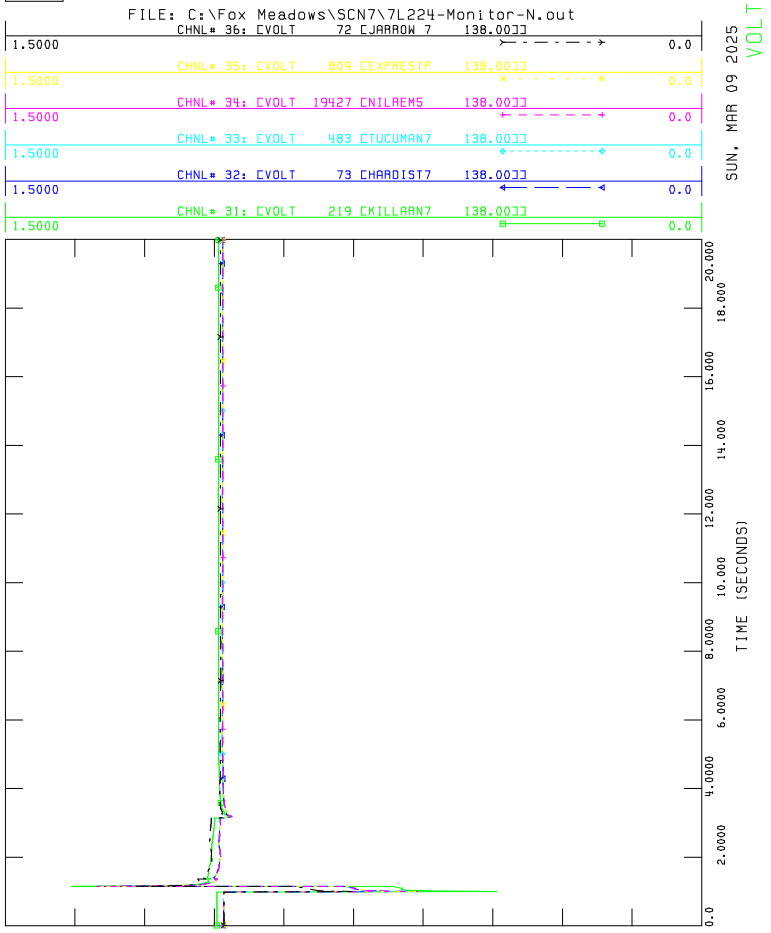
FILE: C:\Fox Meadows\SCN7\7L224-Monitor-N.out



SUN, MAR 09 2025 7:12
ANGLES

AESO ABO FOX MEADOWS-2028 WP
7L224-MONITOR-NEAR

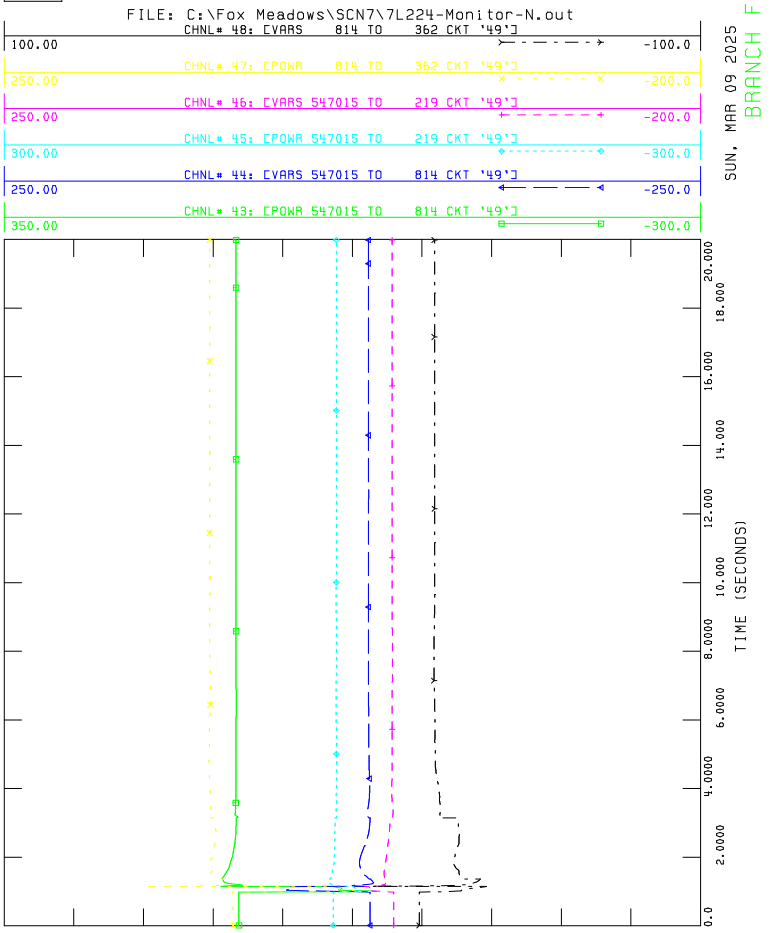
FILE: C:\Fox Meadows\SCN7\7L224-Monitor-N.out



SUN, MAR 09 2025 7:12
VOLTAGE

AESO ABO FOX MEADOWS-2028 WP
7L224-MONITOR-NEAR

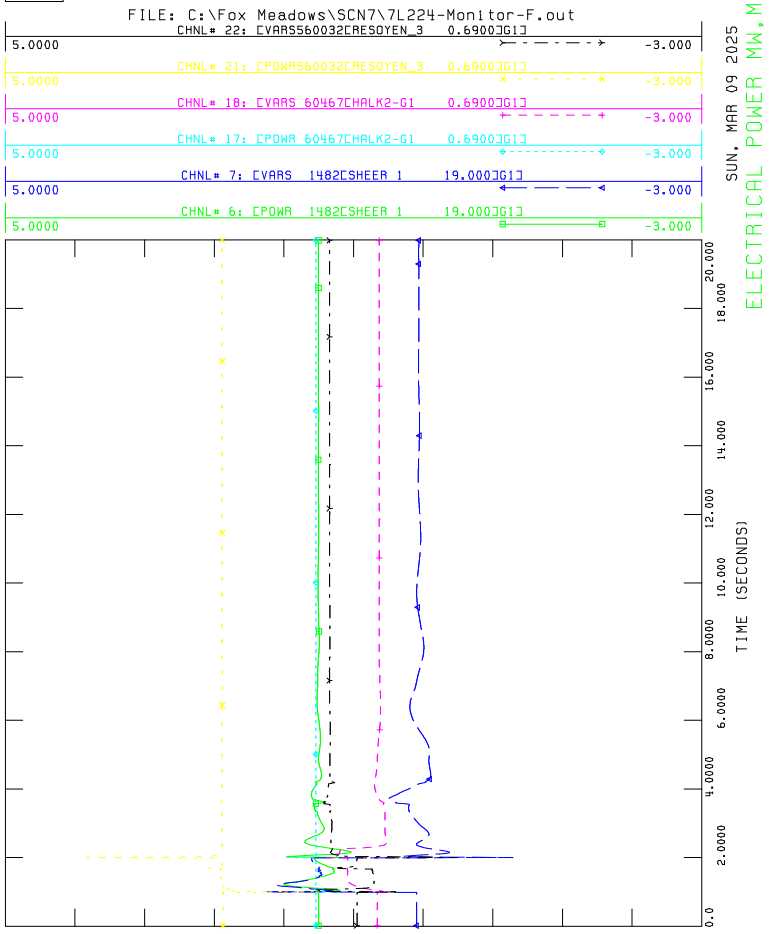
FILE: C:\Fox Meadows\SCN7\7L224-Monitor-N.out



SUN, MAR 09 2025 7:12
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 WP
7L224-MONITOR-FAR

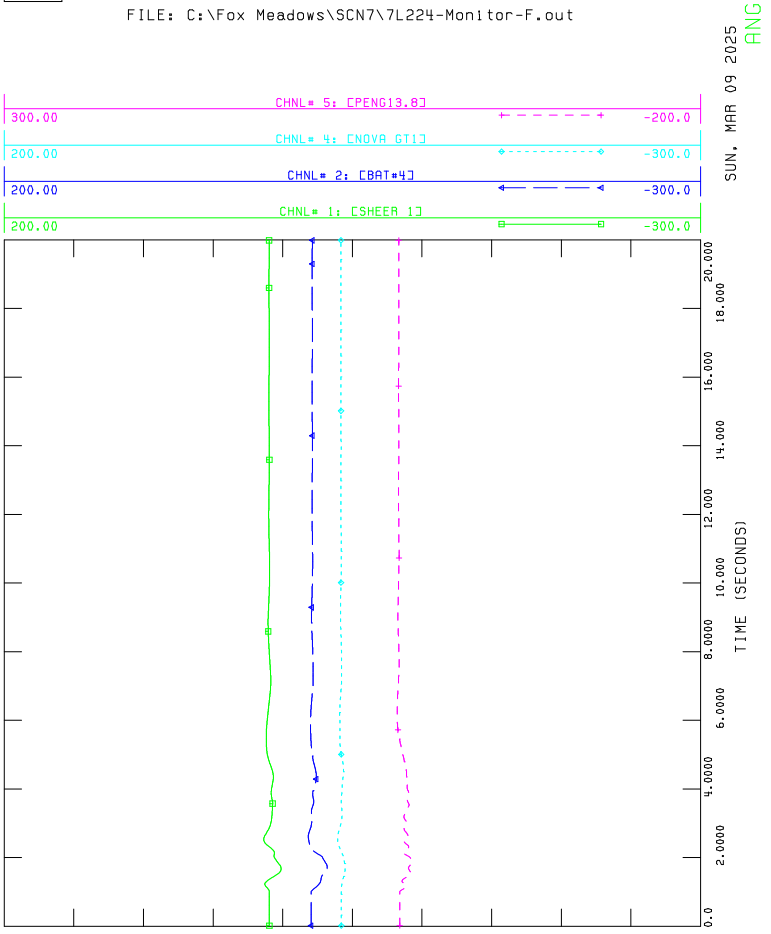
FILE: C:\Fox Meadows\SCN7\7L224-Monitor-F.out



SUN, MAR 09 2025 7:13
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 WP
7L224-MONITOR-FAR

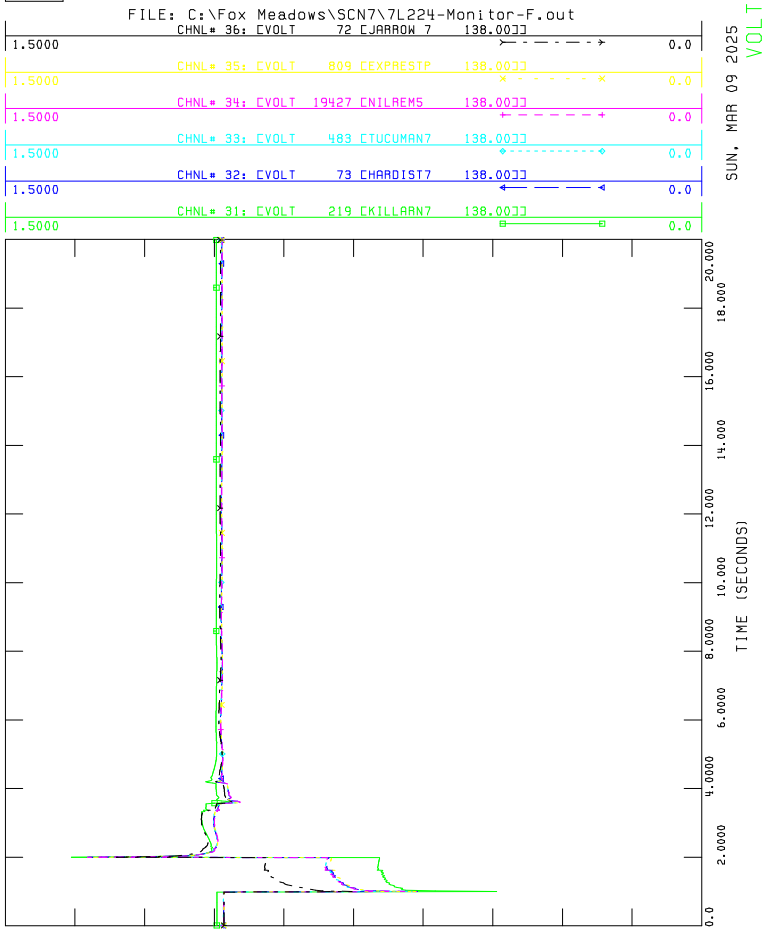
FILE: C:\Fox Meadows\SCN7\7L224-Monitor-F.out



SUN, MAR 09 2025 7:13
ANGLES

AESO ABO FOX MEADOWS-2028 WP
7L224-MONITOR-FAR

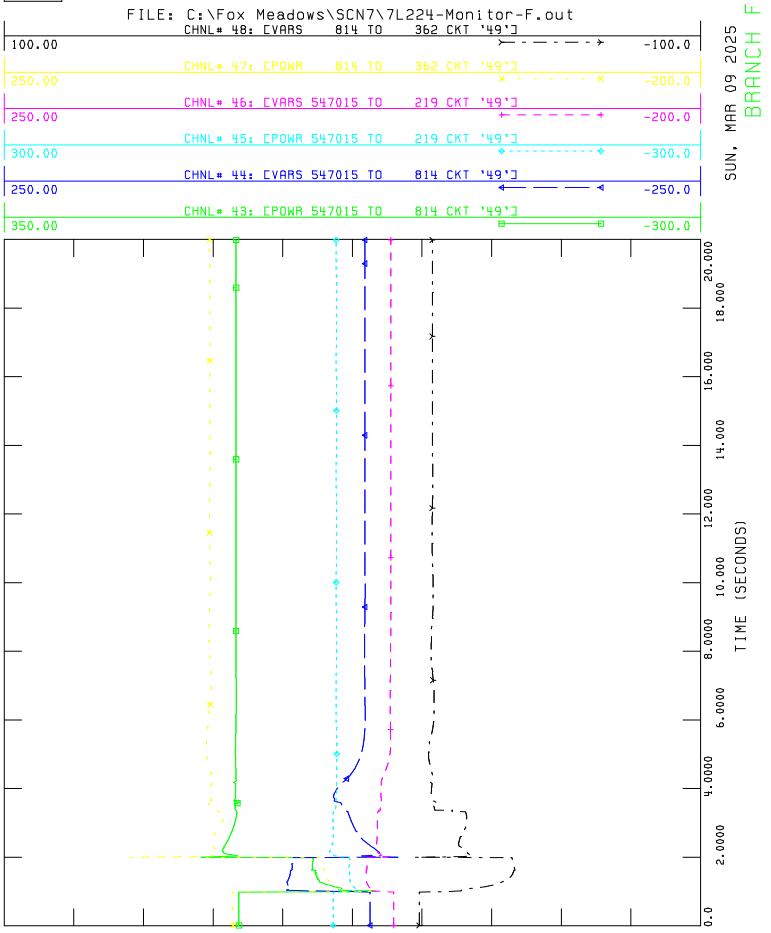
FILE: C:\Fox Meadows\SCN7\7L224-Monitor-F.out



SUN, MAR 09 2025 7:12
VOLTAGE

AESO ABO FOX MEADOWS-2028 WP
7L224-MONITOR-FAR

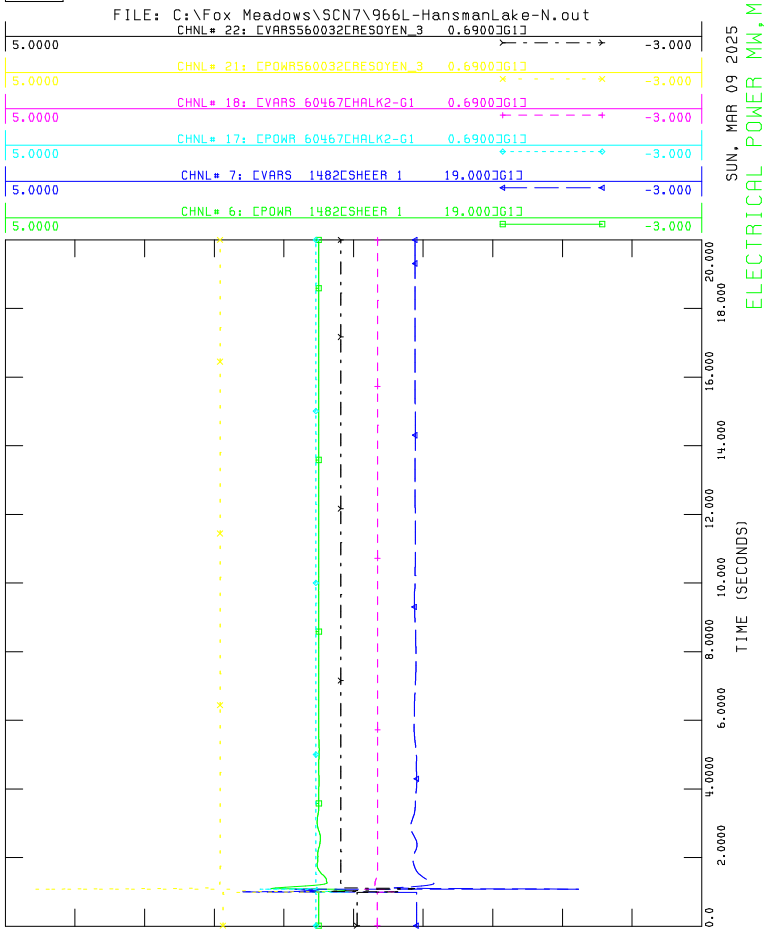
FILE: C:\Fox Meadows\SCN7\7L224-Monitor-F.out



SUN, MAR 09 2025 7:13
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 WP
966L-HANSMAN-NEAR

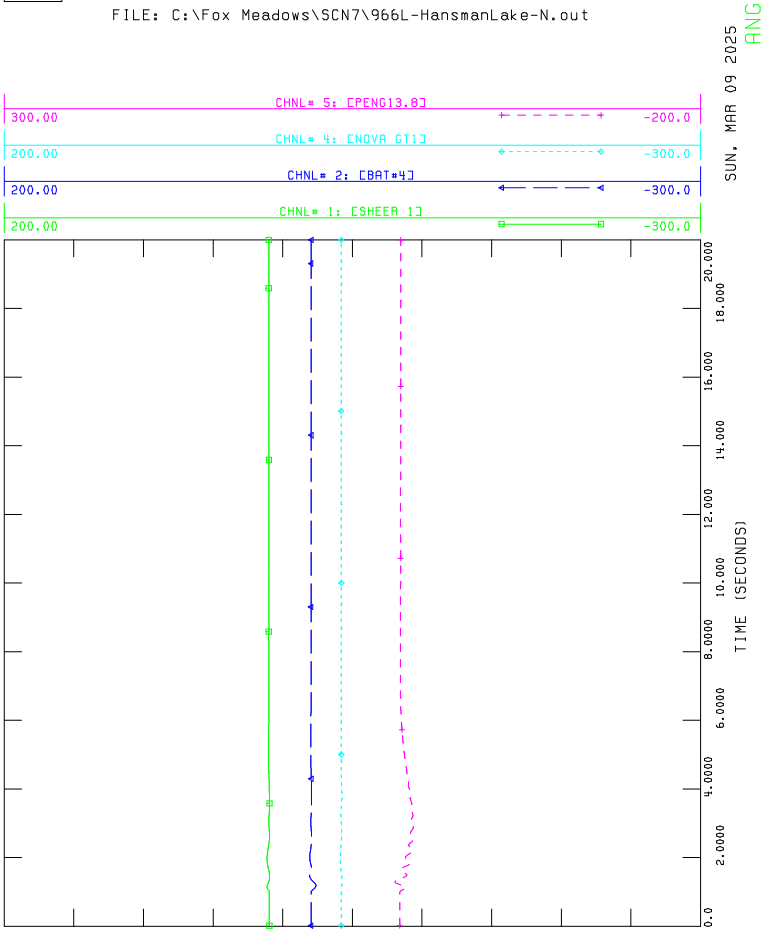
FILE: C:\Fox Meadows\SCN7\966L-HansmanLake-N.out



SUN, MAR 09 2025 7:13
ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 WP
966L-HANSMAN-NEAR

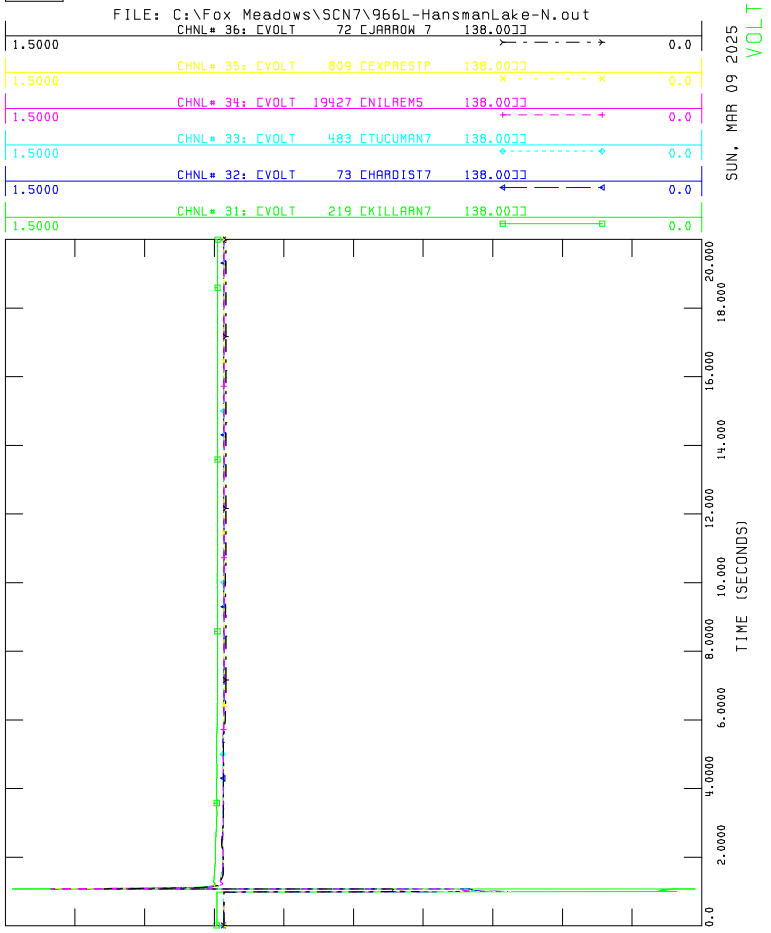
FILE: C:\Fox Meadows\SCN7\966L-HansmanLake-N.out



SUN, MAR 09 2025 7:13
ANGLES

AESO ABO FOX MEADOWS-2028 WP
966L-HANSMAN-NEAR

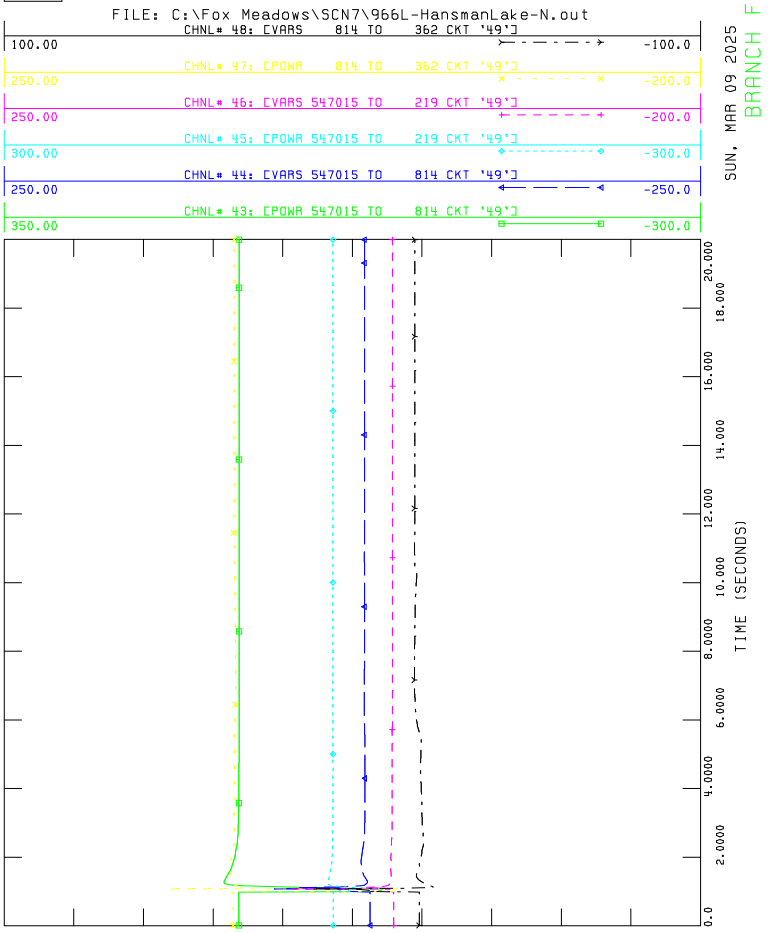
FILE: C:\Fox Meadows\SCN7\966L-HansmanLake-N.out



SUN, MAR 09 2025 7:13
VOLTAGE

AESO ABO FOX MEADOWS-2028 WP
966L-HANSMAN-NEAR

FILE: C:\Fox Meadows\SCN7\966L-HansmanLake-N.out



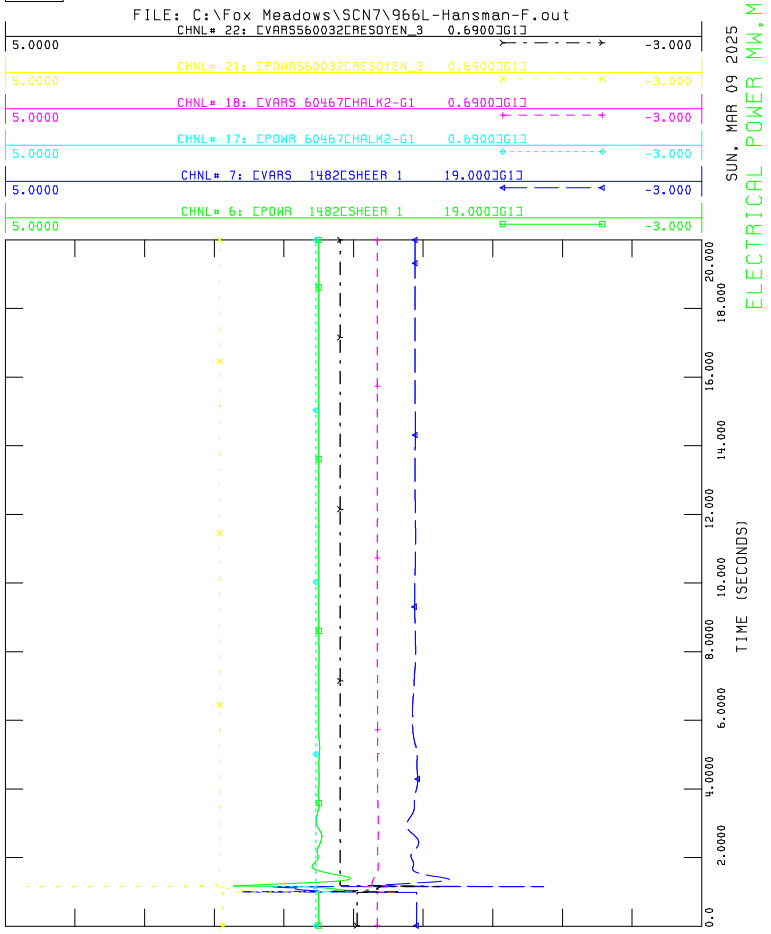
SUN, MAR 09 2025 7:13
BRANCH FLOW

AESO ABO FOX MEADOWS-2028 WP
966L-HANSMAN-FAR

FILE: C:\Fox Meadows\SCN7\966L-Hansman-F.out

SUN, MAR 09 2025 7:13

ELECTRICAL POWER MW, MVAR

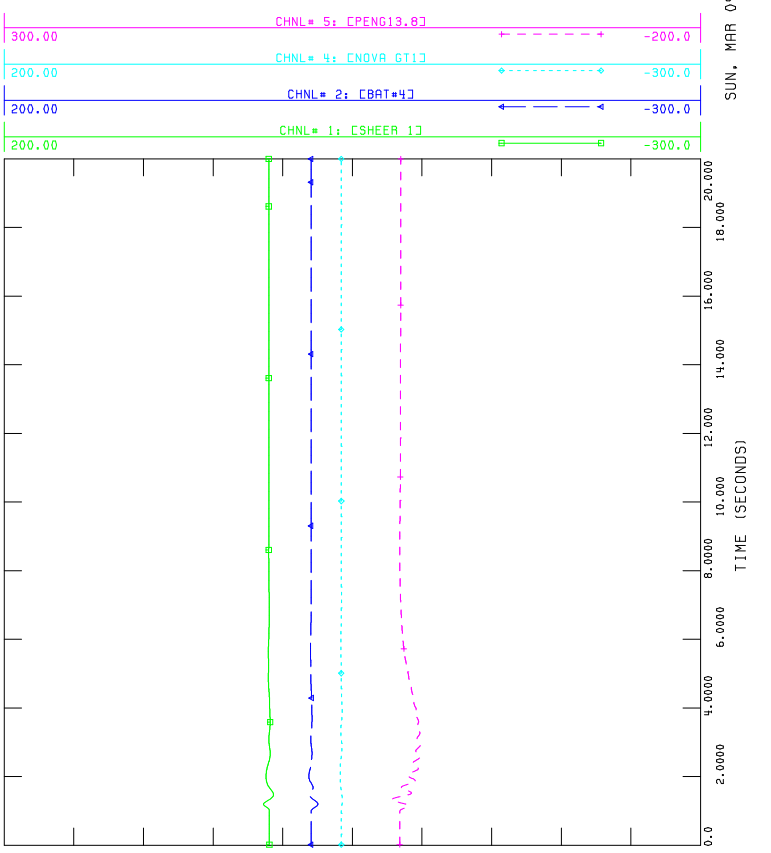


AESO ABO FOX MEADOWS-2028 WP
966L-HANSMAN-FAR

FILE: C:\Fox Meadows\SCN7\966L-Hansman-F.out

SUN, MAR 09 2025 7:13

ANGLES

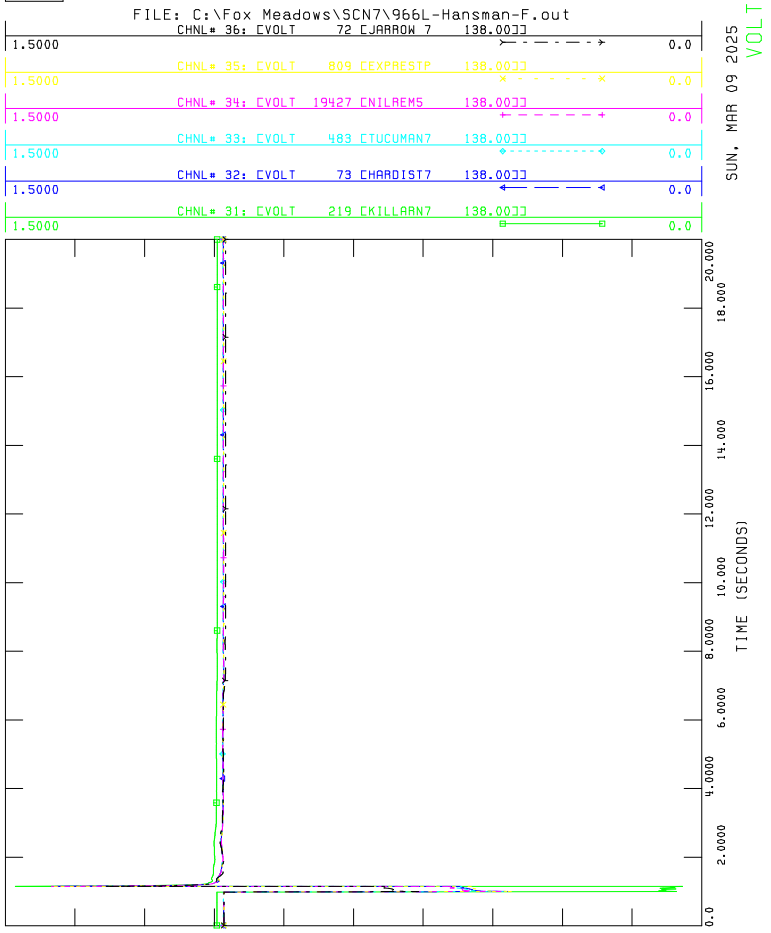


AESO ABO FOX MEADOWS-2028 WP
966L-HANSMAN-FAR

FILE: C:\Fox Meadows\SCN7\966L-Hansman-F.out

SUN, MAR 09 2025 7:13

VOLTAGE

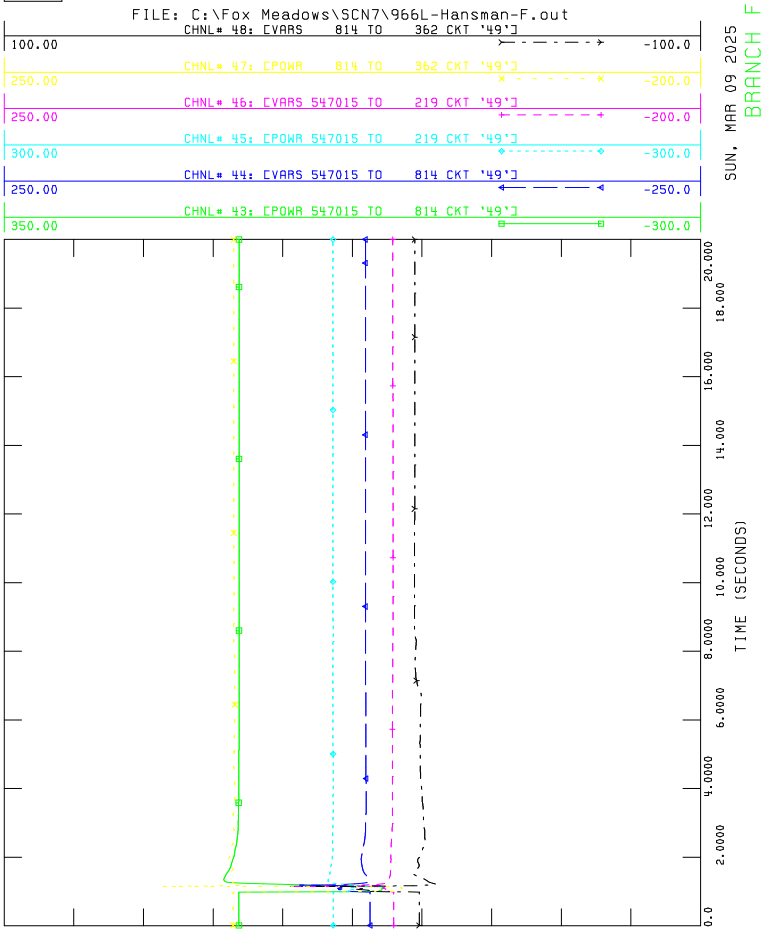


AESO ABO FOX MEADOWS-2028 WP
966L-HANSMAN-FAR

FILE: C:\Fox Meadows\SCN7\966L-Hansman-F.out

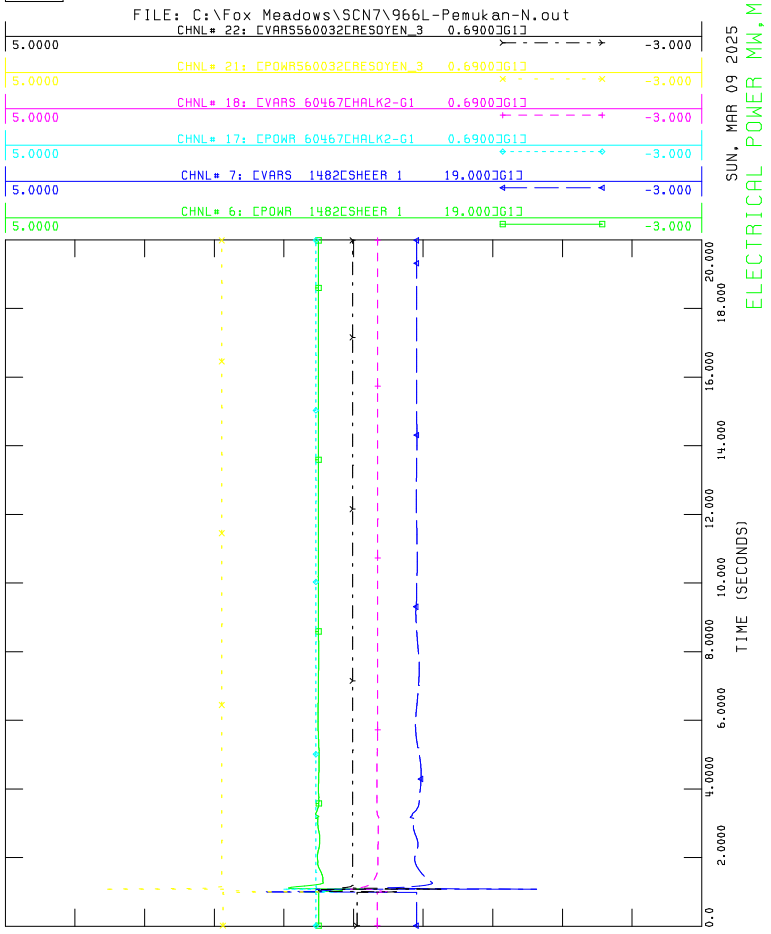
SUN, MAR 09 2025 7:13

BRANCH FLOW



AESO ABO FOX MEADOWS-2028 WP
966L-PEMUKAN-NEAR

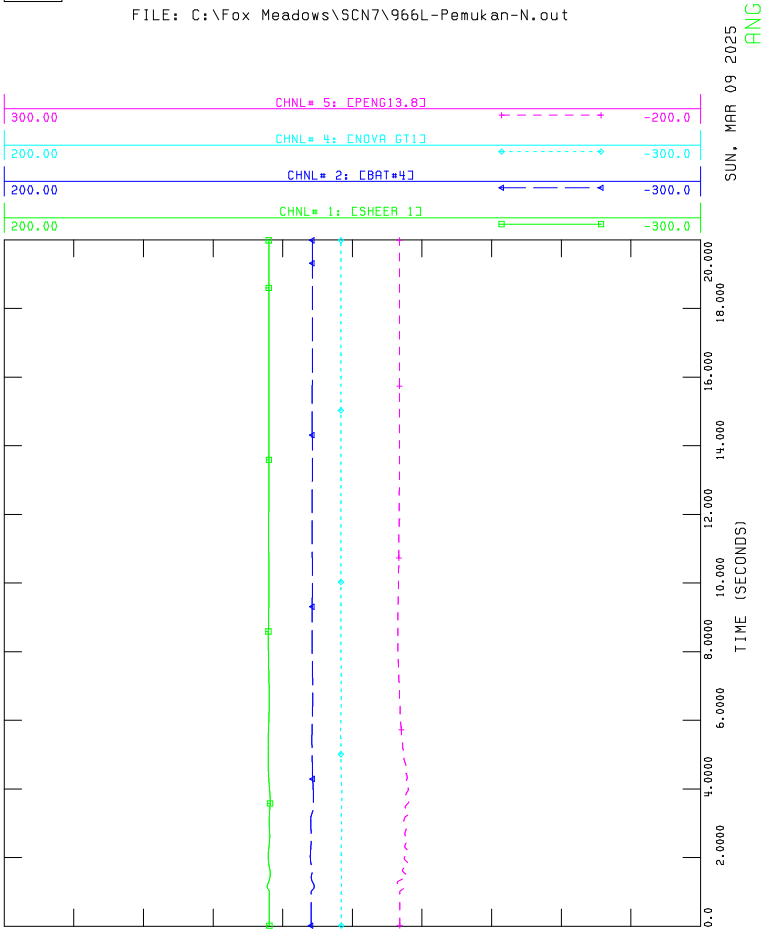
FILE: C:\Fox Meadows\SCN7\966L-Pemukan-N.out



SUN, MAR 09 2025 7:13 ELECTRICAL POWER MW, MVAR

AESO ABO FOX MEADOWS-2028 WP
966L-PEMUKAN-NEAR

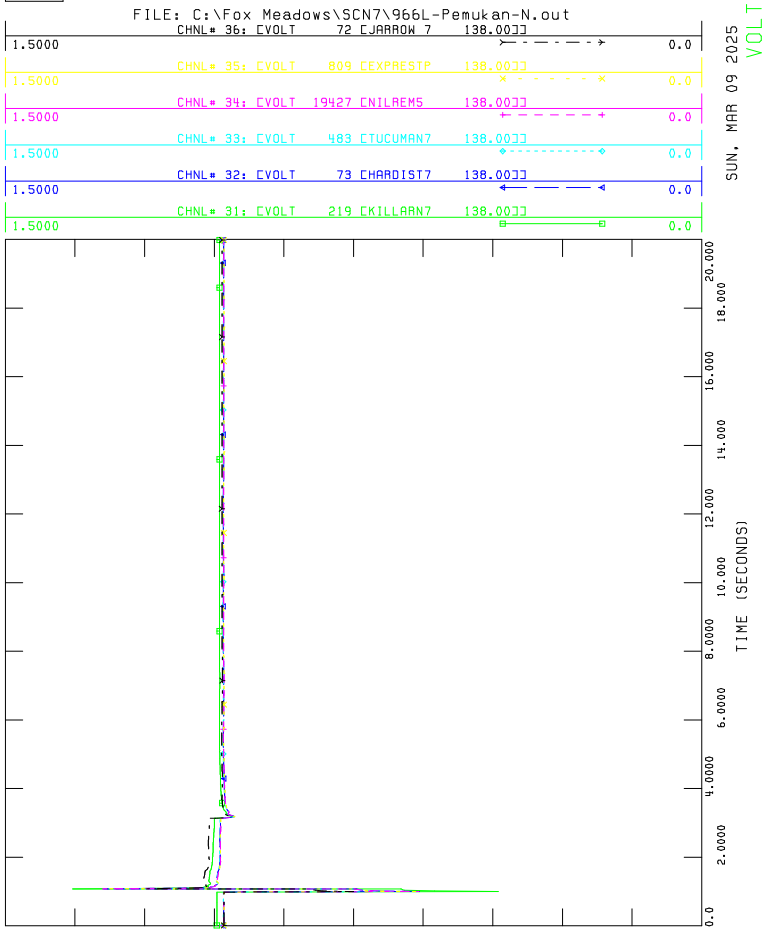
FILE: C:\Fox Meadows\SCN7\966L-Pemukan-N.out



SUN, MAR 09 2025 7:13 ANGLES

AESO ABO FOX MEADOWS-2028 WP
966L-PEMUKAN-NEAR

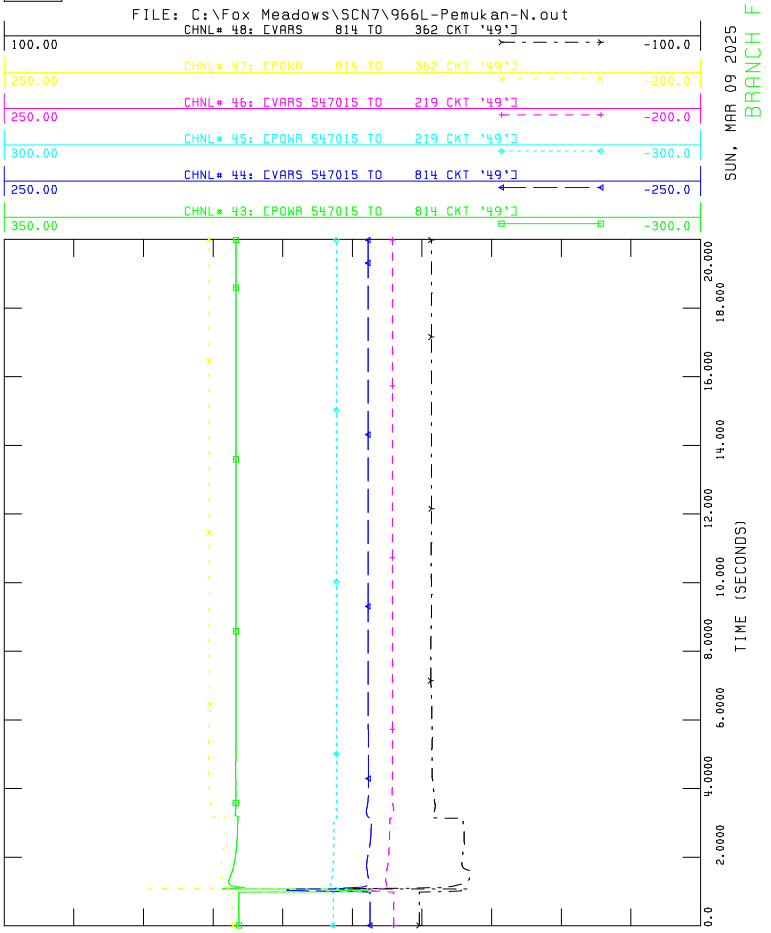
FILE: C:\Fox Meadows\SCN7\966L-Pemukan-N.out



SUN, MAR 09 2025 7:13 VOLTAGE

AESO ABO FOX MEADOWS-2028 WP
966L-PEMUKAN-NEAR

FILE: C:\Fox Meadows\SCN7\966L-Pemukan-N.out



SUN, MAR 09 2025 7:13 BRANCH FLOW

AESO ABO FOX MEADOWS-2028 WP
966L-PEMUKAN-FAR

FILE: C:\Fox Meadows\SCN7\966L-Pemukan-F.out

SUN, MAR 09 2025 7:13

ELECTRICAL POWER MW, MVAR

CHNL# 22: CVARS560032CRESOYEN_3 0.6900JG1J
CHNL# 21: CPOWR560032CRESOYEN_3 0.6900JG1J
CHNL# 18: CVARS 60467CHALK2-G1 0.6900JG1J
CHNL# 17: CPOWR 60467CHALK2-G1 0.6900JG1J
CHNL# 7: CVARS 1482CSHEER 1 19.000JG1J
CHNL# 6: CPOWR 1482CSHEER 1 19.000JG1J

5.0000 / -3.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
966L-PEMUKAN-FAR

FILE: C:\Fox Meadows\SCN7\966L-Pemukan-F.out

SUN, MAR 09 2025 7:13

ANGLES

CHNL# 5: CPENG13.8J
CHNL# 4: CNOVA GT1J
CHNL# 2: CBAT#4J
CHNL# 1: CSHEER 1J

300.00 / -200.0
200.00 / -300.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
966L-PEMUKAN-FAR

FILE: C:\Fox Meadows\SCN7\966L-Pemukan-F.out

SUN, MAR 09 2025 7:13

VOLTAGE

CHNL# 36: CVOLT 72 CJARROW 7 138.00JJ
CHNL# 35: CVOLT 809 CEXPRESTP 138.00JJ
CHNL# 34: CVOLT 19427 CNILAEMS 138.00JJ
CHNL# 33: CVOLT 483 CTUCUMAN7 138.00JJ
CHNL# 32: CVOLT 73 CHARDIST7 138.00JJ
CHNL# 31: CVOLT 219 CKILLARN7 138.00JJ

1.5000 / 0.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

AESO ABO FOX MEADOWS-2028 WP
966L-PEMUKAN-FAR

FILE: C:\Fox Meadows\SCN7\966L-Pemukan-F.out

SUN, MAR 09 2025 7:13

BRANCH FLOW

CHNL# 48: CVARS 814 TO 362 CKT '49'J
CHNL# 47: CPOWR 814 TO 362 CKT '49'J
CHNL# 46: CVARS 547015 TO 219 CKT '49'J
CHNL# 45: CPOWR 547015 TO 219 CKT '49'J
CHNL# 44: CVARS 547015 TO 814 CKT '49'J
CHNL# 43: CPOWR 547015 TO 814 CKT '49'J

100.00 / -100.0
250.00 / -200.0
250.00 / -200.0
300.00 / -300.0
250.00 / -250.0
350.00 / -300.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

Attachment A5
Dynamic Data and Assumptions

```
/@! version 34
/ Stage 2 Project Data Update Package - Dyr
/==========================================
/@
/ ========================Plant Models=========================
  560039 'REGCA1' G1      1
     0.20000E-01   10.000     0.90000     0.50000      1.0000
      1.1750     0.90000     0.65000     -1.3000     0.30000E-01
      0.7000      106.15     -106.20     0.70000     / G1 - Generator-Converter
  560039 'REECA1' G1
      0       0     1     1     0     0
     0.90000        1.1000       0.10000E-01   -0.10000       0.10000
      2.0000        2.0000       -2.0000        0.0000        0.0000
     0.60000        0.0000       0.50000E-01     1.0000       -1.0000
      1.1000       0.90000        1.0000        3.0000        1.0000
      3.0000        0.0000       0.50000E-01     106.20       -106.20
      1.0000        0.0000        1.4400       0.10000E-01    0.10000E-01
     0.27000       0.70000E-01    0.27000       0.15000        1.0000
     0.35070        1.0000       0.80000E-01    0.12000       0.10000
     0.39000       0.50000       0.39000       0.79000        1.4400     / G1 - Electrical Control
  560039 'REPCA1' G1
        0                       0               0   '1'      0     1     1
     0.40000E-01     1.0000        6.6700        0.0000       0.40000E-01
     0.45000        0.0000        0.0000       0.50000E-01     999.00
     -999.00      -0.10000E-01    0.10000E-01     1.0000       -1.0000
     0.50000E-01     1.6700       0.40000E-01   -0.6000E-03    0.6000E-03
      999.00       -999.00        1.0000        0.0000       0.40000E-01
      20.000        0.000     / G1 - Plant Control
```

```
/ ========================BESS Models=========================

  560039 'REGCA1' G2      1

     0.20000E-01  10.000     0.90000     0.50000      1.0000

      1.1750     0.90000     0.65000     -1.3000     0.30000E-01

      0.7000      106.15     -106.20     0.70000     / G2 - Generator-Converter


  560039 'REPCA1' G2

        0        549057        547015   '49'      0     1     1

     0.40000E-01     1.0000        6.6700        0.0000        0.40000E-01

     0.45000         0.0000        0.0000        0.50000E-01     999.00

     -999.00      -0.10000E-01     0.10000E-01     1.0000       -1.0000

     0.50000E-01     1.6700        0.40000E-01   -0.6000E-03    0.6000E-03

      999.00       -999.00        1.0000        -1.0000        0.40000E-01

      20.000        20.000     /  G2 - Plant Control

  560039  'USRMDL'  G2  'REECCU1'  102  0  5  45  7  6

        0     0     1     1     0

     0.90000         1.1000        0.10000E-01   -0.10000       0.10000

      2.0000         2.0000       -2.0000        0.0000        0.50000E-01

      1.0000        -1.0000        1.1000        0.90000         1.0000

      3.0000         1.0000        3.0000        0.50000E-01     106.20

     -106.20         1.0000        -1.0000        1.4400        0.10000E-01

     0.10000E-01     0.27000       0.70000E-01    0.27000       0.15000

      1.0000        0.35070        1.0000        0.80000E-01    0.12000

     0.10000         0.39000       0.50000        0.39000       0.79000

      1.4400         999.00        0.5000         1.0000        0.0000     / G2 - Electrical Control
```

/ ========================Ride Through=========================

/ PV

56003911 'VTGDCAT' 549057 560039 G1 0.900000 10.000000 1800.000 0.000000 /

56003912 'VTGDCAT' 549057 560039 G1 0.700000 10.000000 2.500000 0.000000 /

56003913 'VTGDCAT' 549057 560039 G1 0.500000 10.000000 1.200000 0.000000 /

56003914 'VTGDCAT' 549057 560039 G1 0.150000 10.000000 0.50000 0.000000 /

56003915 'VTGDCAT' 549057 560039 G1 0.000000 1.2000000 1.000000 0.000000 /

56003916 'VTGDCAT' 549057 560039 G1 0.000000 1.150000 5.000000 0.000000 /

56003917 'VTGDCAT' 549057 560039 G1 0.000000 1.1500000 5.000000 0.000000 /

56003918 'VTGDCAT' 549057 560039 G1 0.000000 1.1000000 1800.000 0.000000 /

56003919 'FRQDCAT' 549057 560039 G1 57.00000 100.00000 300.0000 0.000000 /

/ 560039110 'FRQDCAT' 549057 560039 G1 57.30000 100.00000 0.750000 0.000000 /

/ 560039111 'FRQDCAT' 549057 560039 G1 57.80000 100.00000 7.500000 0.000000 /

/ 560039112 'FRQDCAT' 549057 560039 G1 58.40000 100.00000 30.00000 0.000000 /

/ 560039113 'FRQDCAT' 549057 560039 G1 59.40000 100.00000 180.0000 0.000000 /

560039114 'FRQDCAT' 549057 560039 G1 10.30000 61.800000 300.0000 0.000000 /

/ 560039115 'FRQDCAT' 549057 560039 G1 10.30000 61.600000 30.00000 0.000000 /

/ 560039116 'FRQDCAT' 549057 560039 G1 10.30000 60.600000 180.0000 0.000000 /

/ - BESS

56003921 'VTGDCAT' 549057 560039 G2 0.900000 10.000000 1800.000 0.000000 /

56003922 'VTGDCAT' 549057 560039 G2 0.700000 10.000000 2.500000 0.000000 /

56003923 'VTGDCAT' 549057 560039 G2 0.500000 10.000000 1.200000 0.000000 /

56003924 'VTGDCAT' 549057 560039 G2 0.150000 10.000000 0.50000 0.000000 /

56003925 'VTGDCAT' 549057 560039 G2 0.000000 1.2000000 1.000000 0.000000 /

56003926 'VTGDCAT' 549057 560039 G2 0.000000 1.150000 5.000000 0.000000 /

56003927 'VTGDCAT' 549057 560039 G2 0.000000 1.1500000 5.000000 0.000000 /

56003928 'VTGDCAT' 549057 560039 G2 0.000000 1.1000000 1800.000 0.000000 /

56003929 'FRQDCAT' 549057 560039 G2 57.00000 100.00000 300.0000 0.000000 /

/ 560039210 'FRQDCAT' 549057 560039 G2 57.30000 100.00000 0.750000 0.000000 /

/ 560039211 'FRQDCAT' 549057 560039 G2 57.80000 100.00000 7.500000 0.000000 /

/ 560039212 'FRQDCAT' 549057 560039 G2 58.40000 100.00000 30.00000 0.000000 /

/ 560039213 'FRQDCAT' 549057 560039 G2 59.40000 100.00000 180.0000 0.000000 /

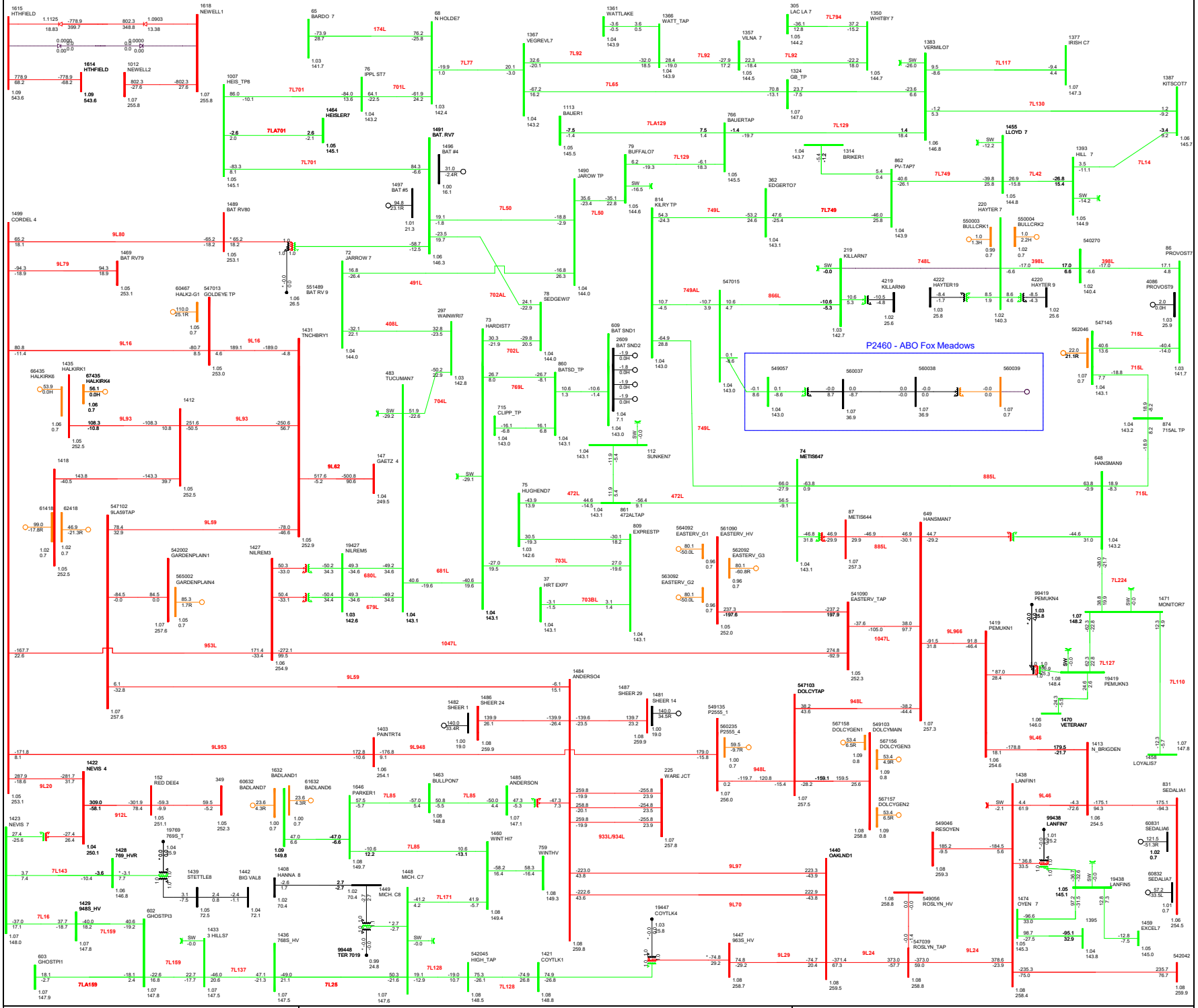
560039214 'FRQDCAT' 549057 560039 G2 10.30000 61.800000 300.0000 0.000000 /

/ 560039215 'FRQDCAT' 549057 560039 G2 10.30000 61.600000 30.00000 0.000000 /

/ 560039216 'FRQDCAT' 549057 560039 G2 10.30000 60.600000 180.0000 0.000000 //

//

Attachment A6
Post-Mitigation Power Flow Diagrams



P2460- ABO Fox Meadows Wind

BC Import: -758.3 MW

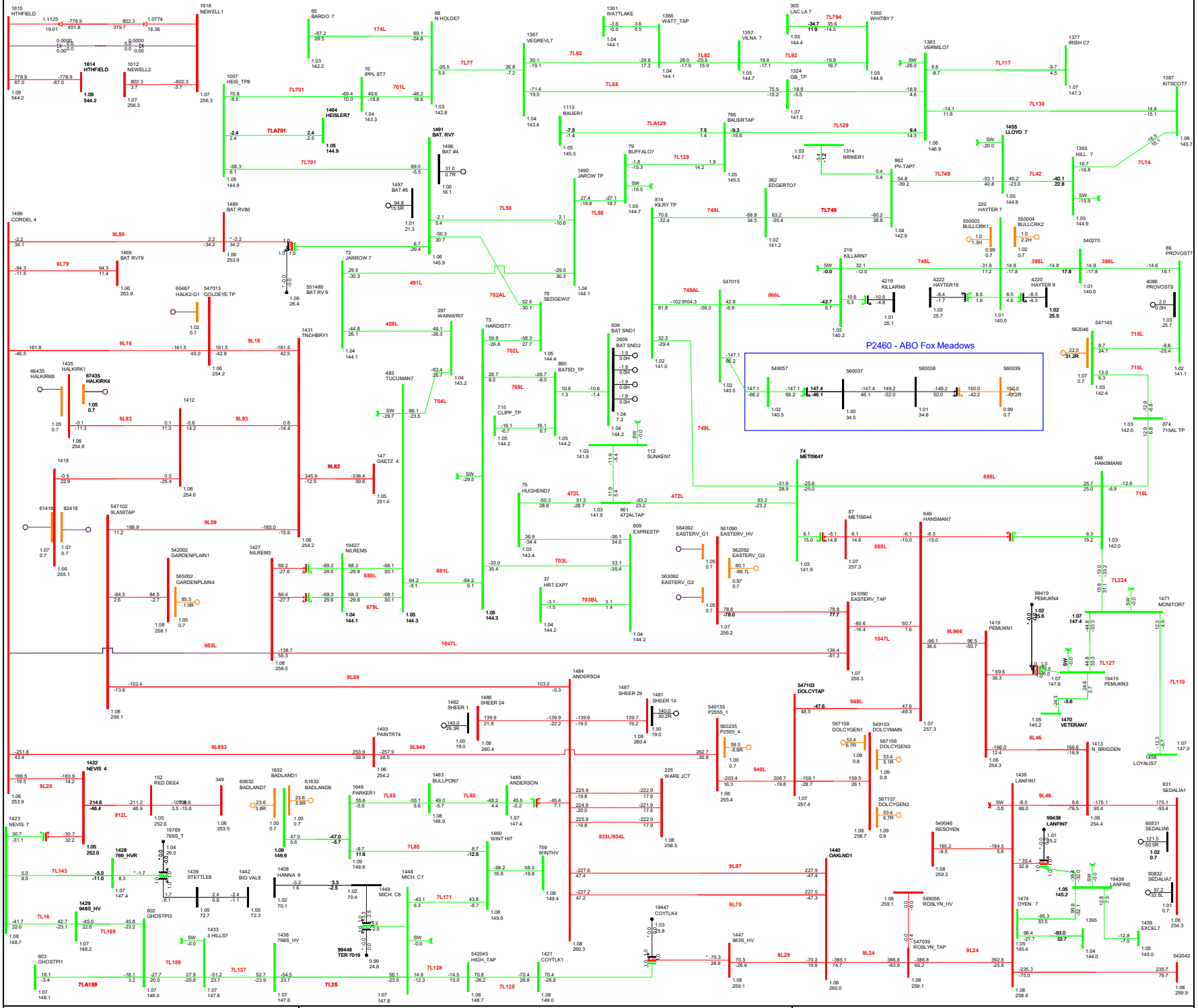
Sask Import: 0.0 MW

MATL: 186.2 MW

FIGURE A5-3-N-1: 748L-HAYTER 277S TO KILLARNEY LAKE 267S
2028 SUMMER LIGHT - SCN 5 (POST PROJECT) - RAS213
FRI, MAR 28 2025 23:03

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -423.6 MW

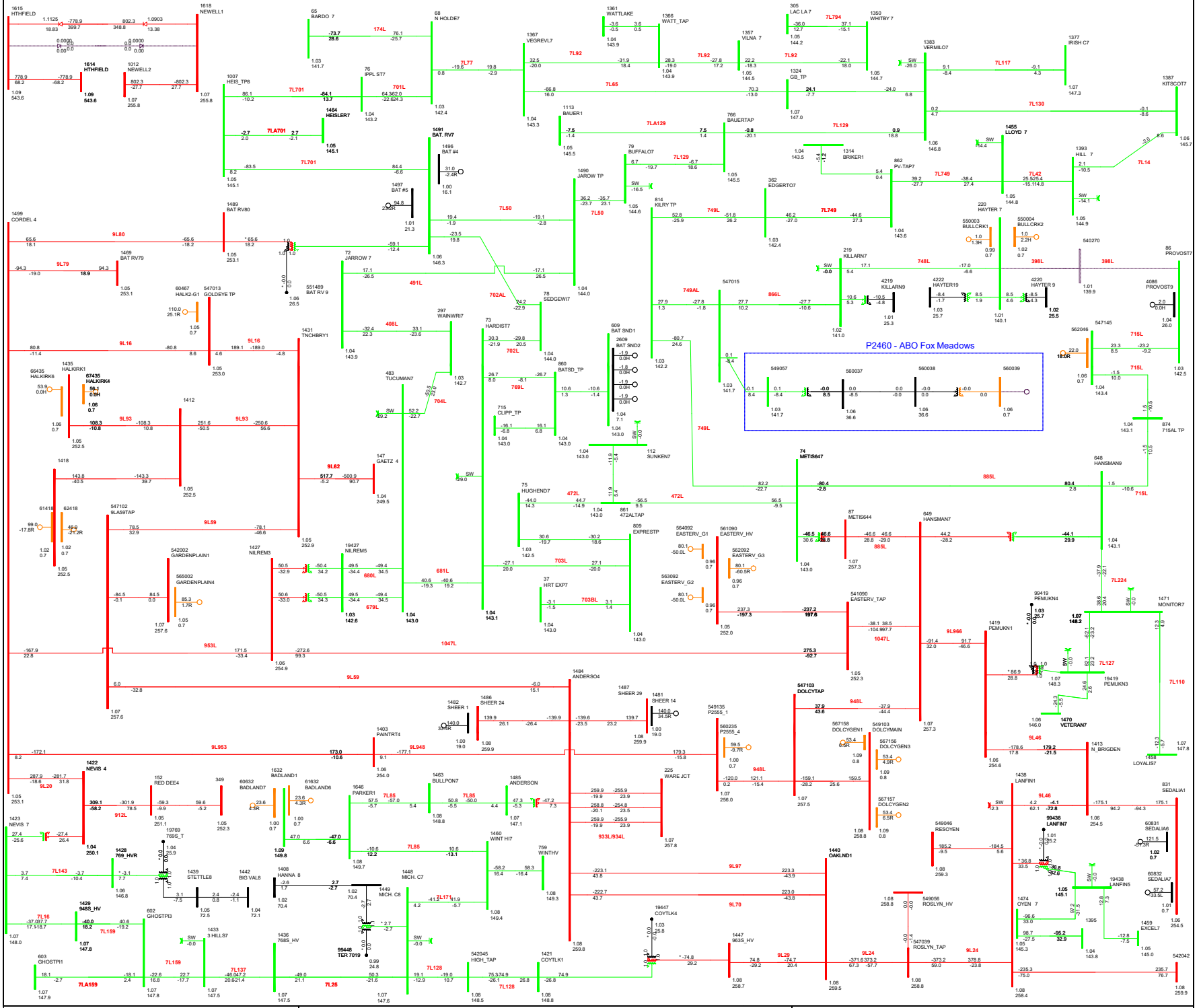
Sask Import: 0.0 MW

MATL: 186.2 MW

FIGURE A5-5-N-1: 953L-NILREM 574S TO CORDEL 755S
2028 SUMMER LIGHT - SCN 5 (POST PROJECT) - RAS211
FRI, MAR 28 2025 23:04

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -758.0 MW

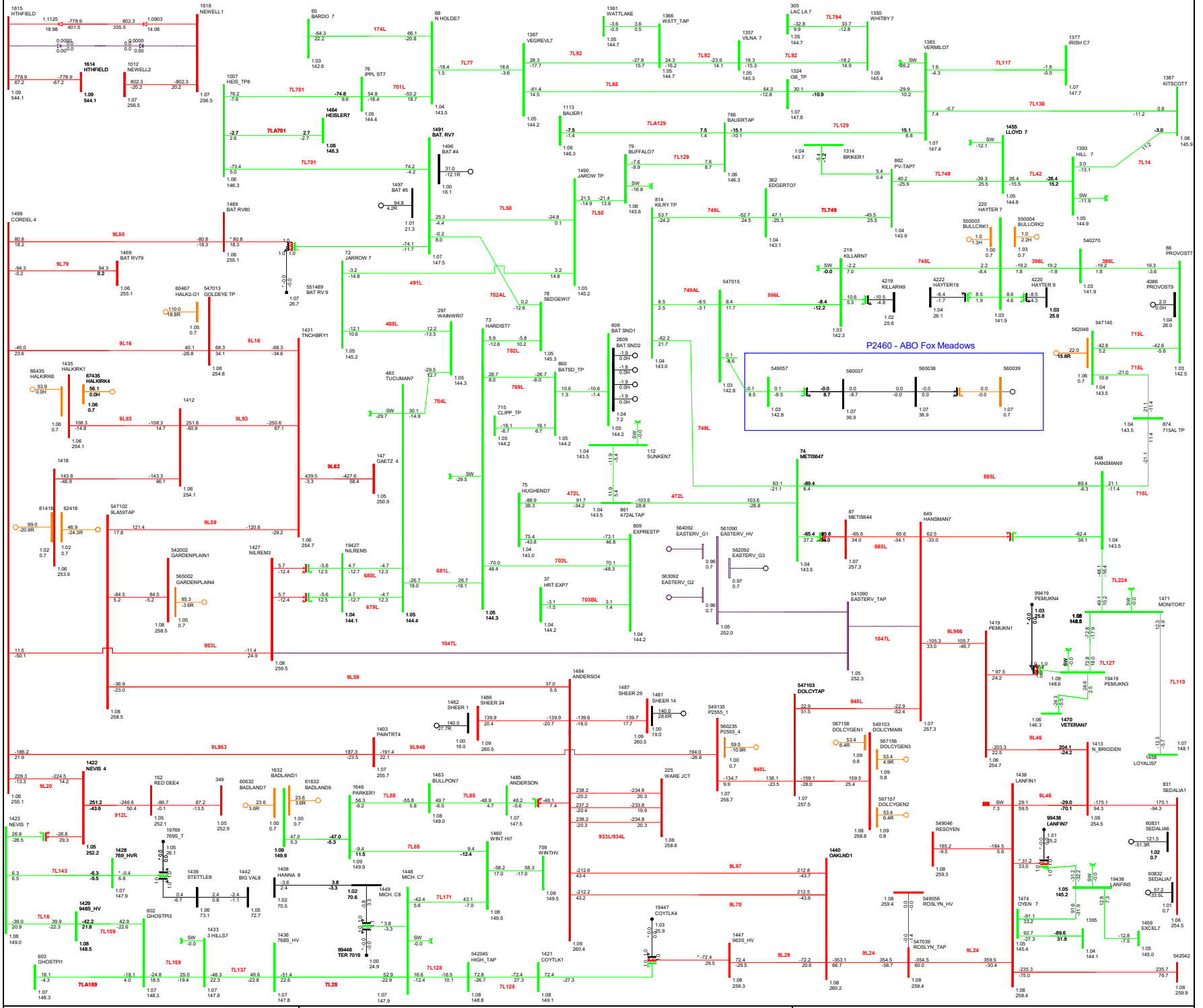
Sask Import: 0.0 MW

MATL: 186.2 MW

FIGURE A5-12-N-1: 398L-PROVOST 544S TO HAYTER 277S
2028 SUMMER LIGHT - SCN 5 (POST PROJECT) - RAS213
FRI, MAR 28 2025 23:04

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -559.3 MW

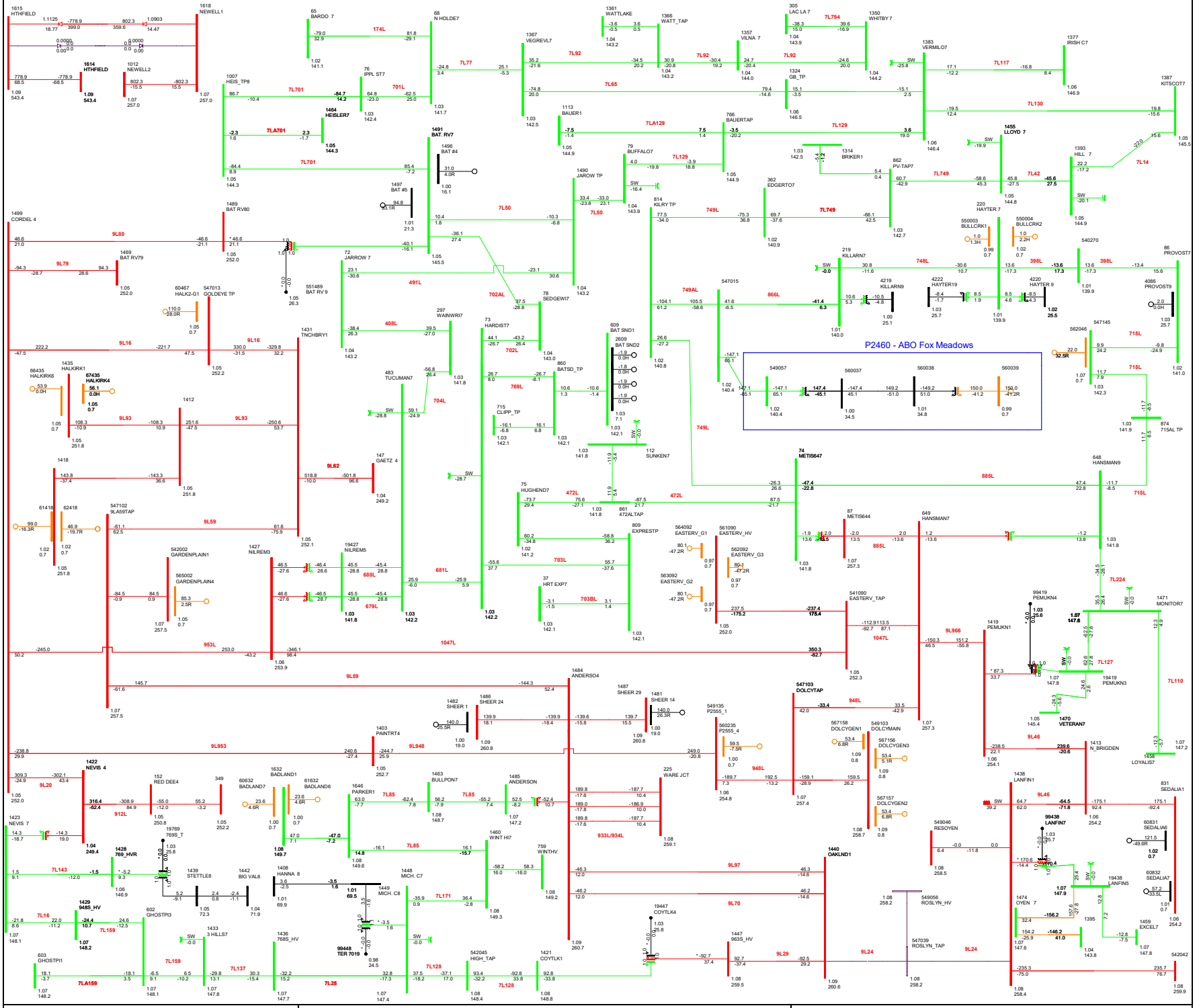
Sask Import: 0.0 MW

MATL: 186.2 MW

FIGURE A5-13-N-1: 1047L-HANSMAN LAKE 650S TO NILREM 574S
2028 SUMMER LIGHT - SCN 5 (POST PROJECT) - MODIFIED RAS236
FRI, MAR 28 2025 23:04

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -634.7 MW

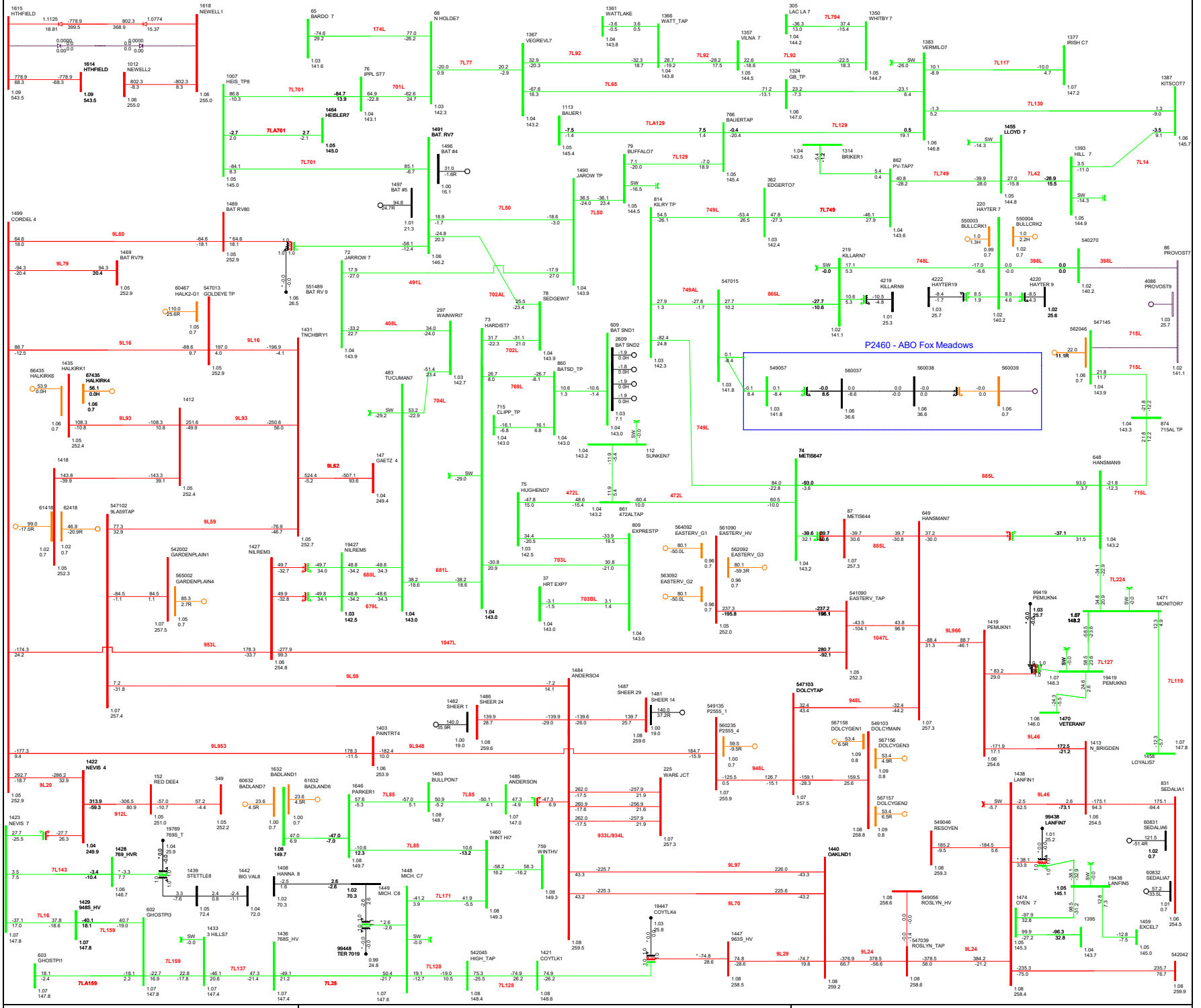
Sask Import: 0.0 MW

MATL: 186.2 MW

FIGURE A5-14-N-1: 9L24-LANFINE 959S TO OAKLAND 946S
2028 SUMMER LIGHT - SCN 5 (POST PROJECT) - NEWRAS
FRI, MAR 28 2025 23:04

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -776.0 MW

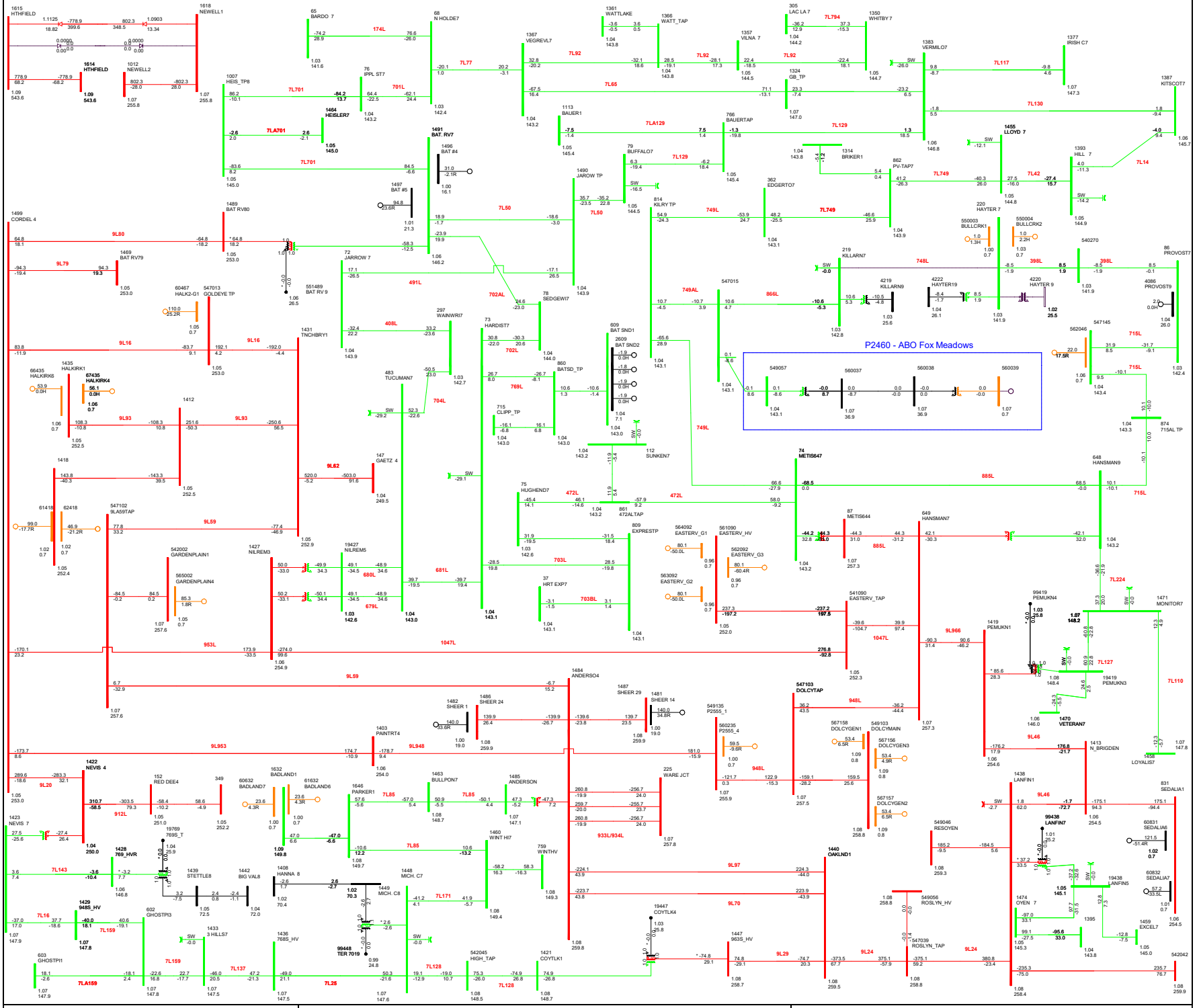
Sask Import: 0.0 MW

MATL: 186.2 MW

FIGURE A5-16-N-1: PROVOST TRANSFORMER 545ST1
2028 SUMMER LIGHT - SCN 5 (POST PROJECT) - RAS213
FRI, MAR 28 2025 23:04

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -765.2 MW

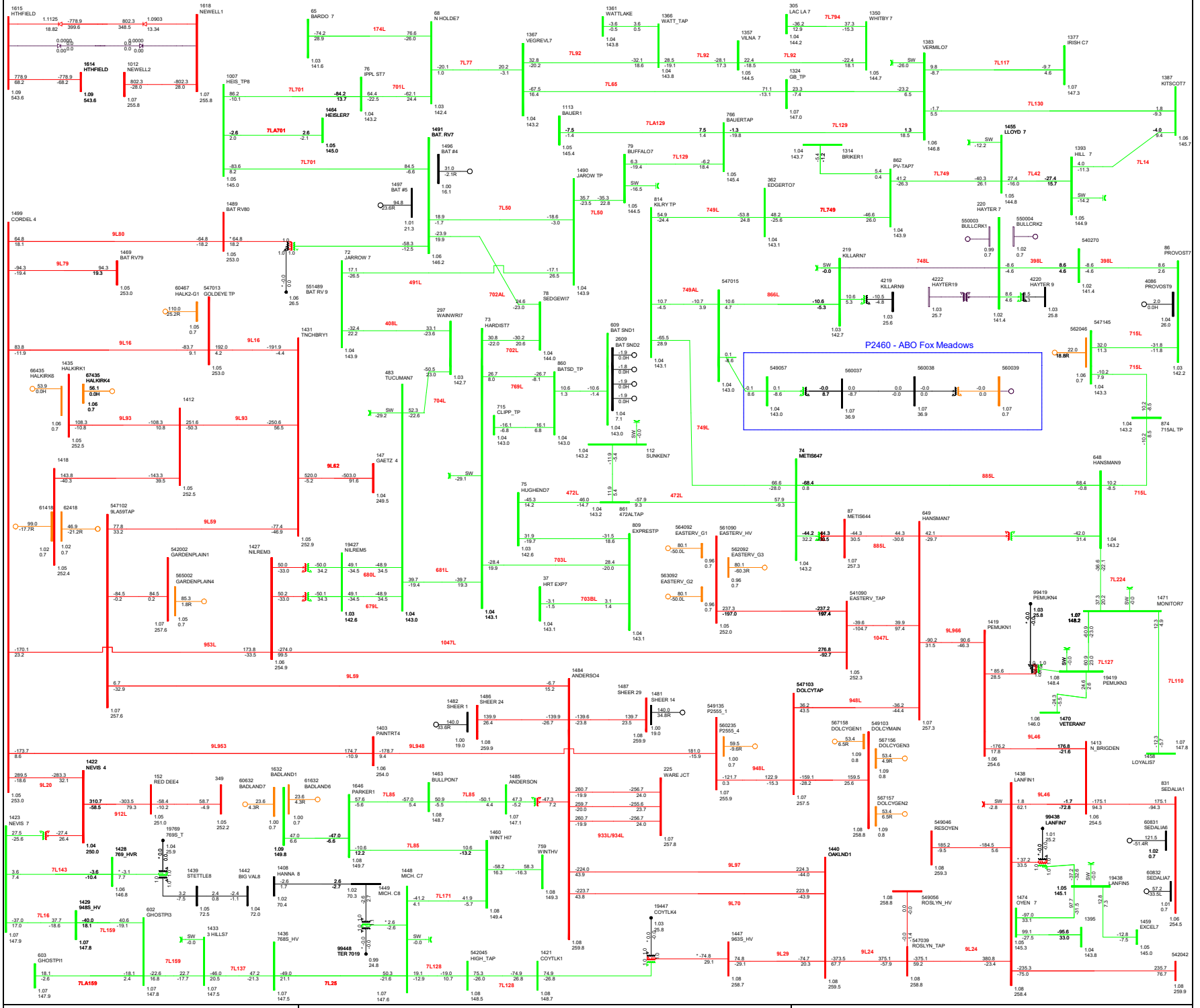
Sask Import: 0.0 MW

MATL: 186.2 MW

FIGURE A5-17-N-1: HAYTER 277S TRANSFORMER1
2028 SUMMER LIGHT - SCN 5 (POST PROJECT) - RAS213
FRI, MAR 28 2025 23:04

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -765.1 MW

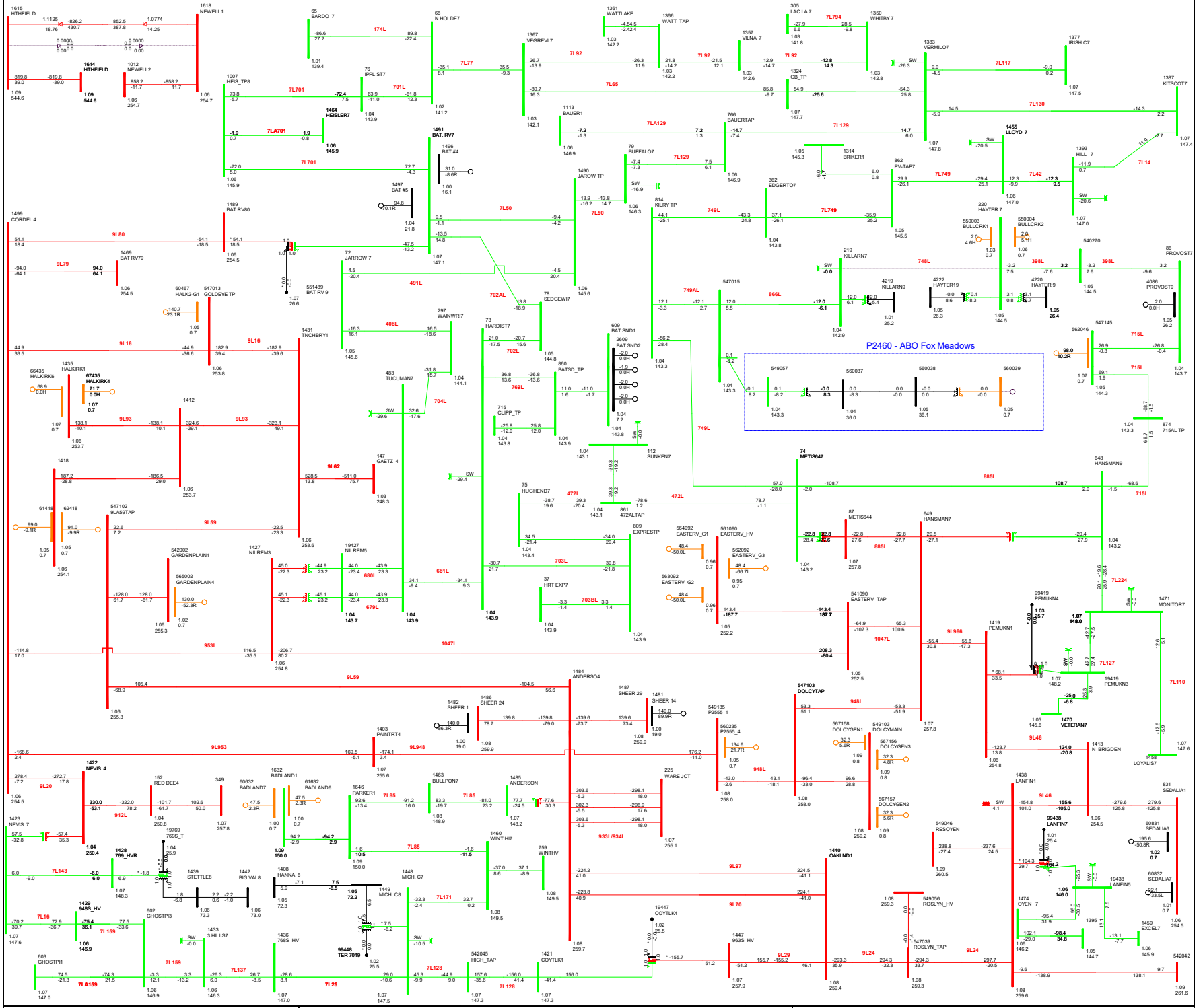
Sask Import: 0.0 MW

MATL: 186.2 MW

FIGURE A5-18-N-1: HAYTER 277S TRANSFORMER2
2028 SUMMER LIGHT - SCN 5 (POST PROJECT) - RAS213
FRI, MAR 28 2025 23:05

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -738.8 MW

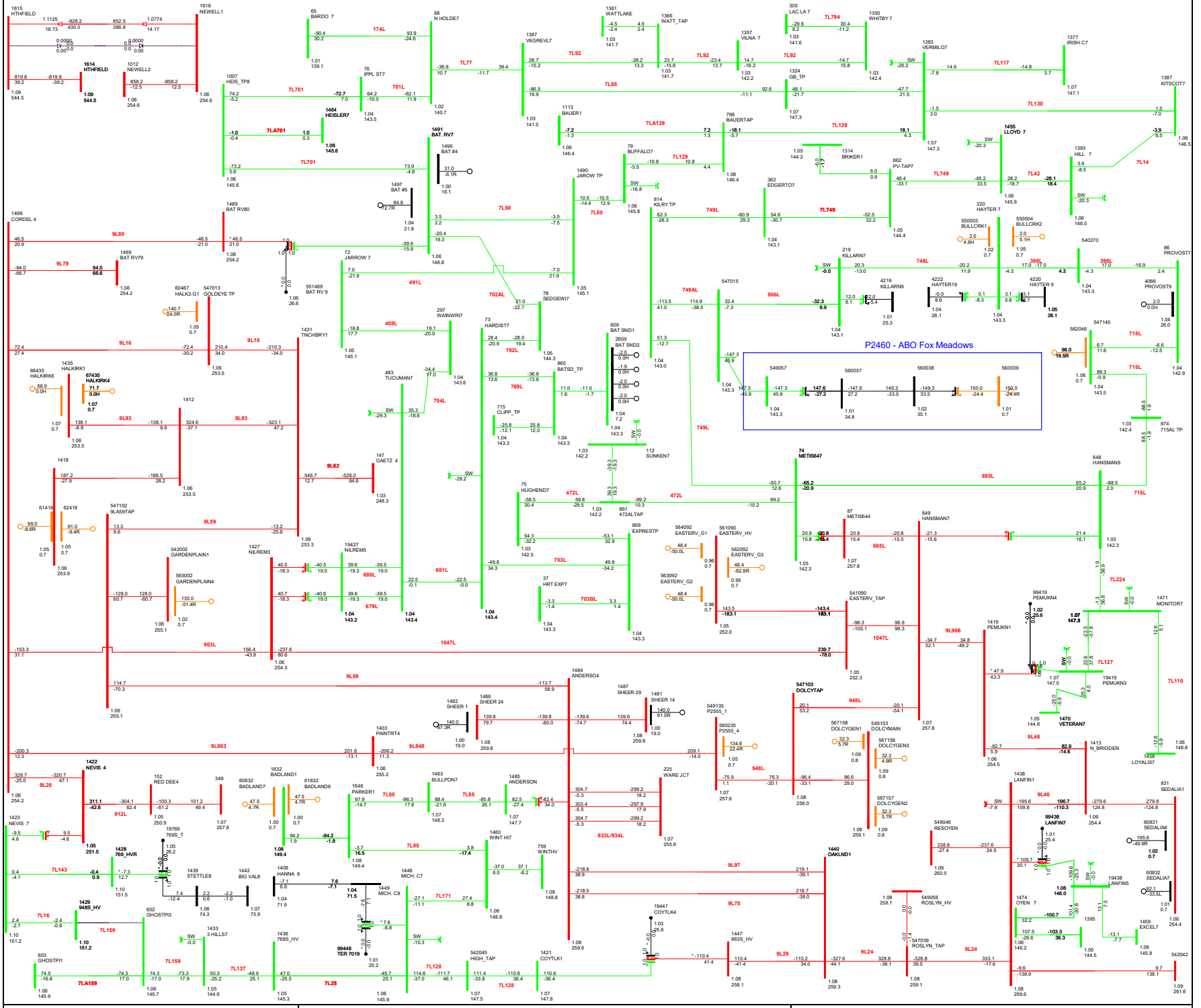
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-3-N-1: 748L-HAYTER 277S TO KILLARNEY LAKE 267S
SCN 6 (POST PROJECT) - RAS213
FRI, MAR 28 2025 23:05

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -754.1 MW

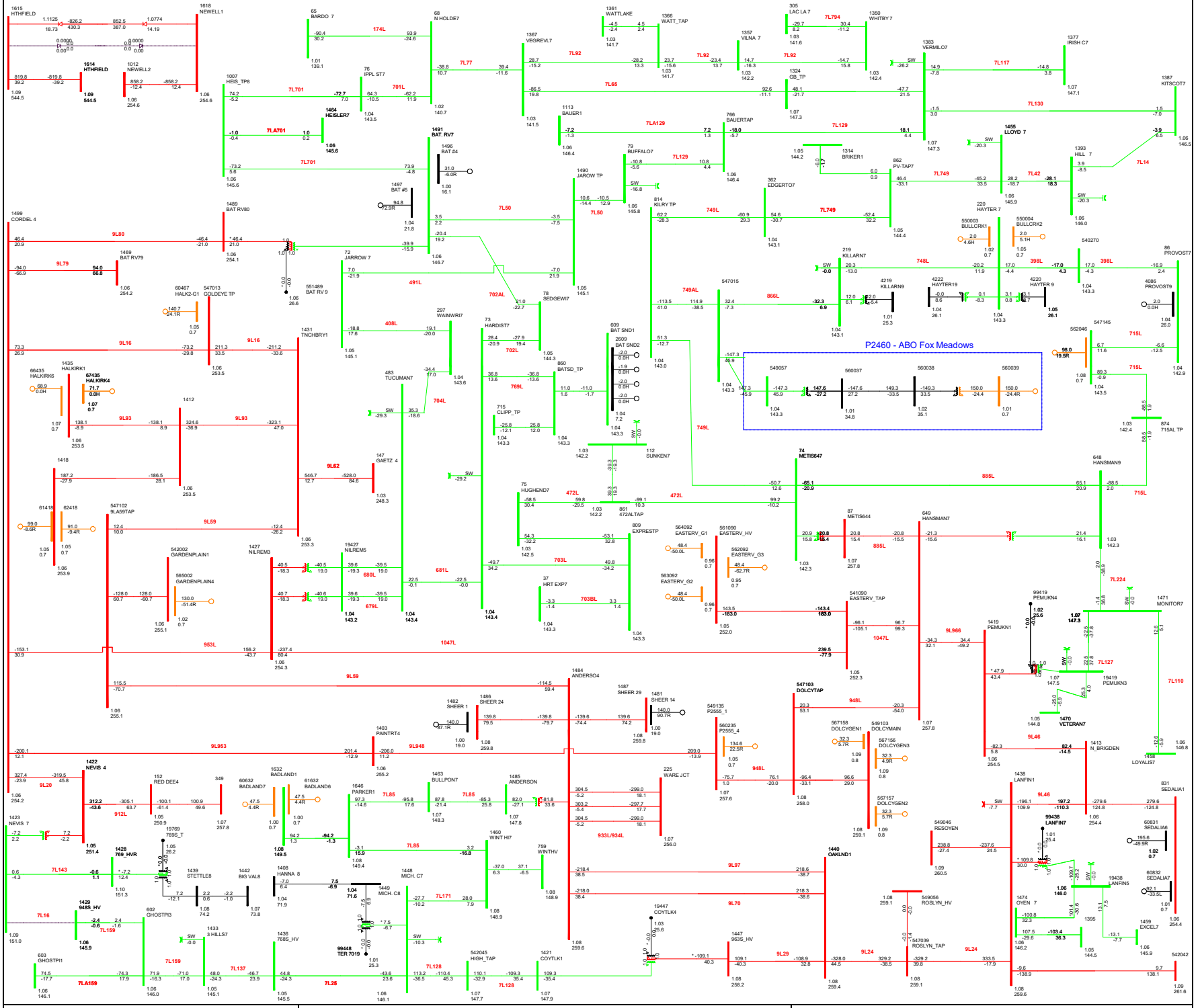
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-4-N-1: 7L159-GHOST PINE 114S TO HEARTBURT 948S
SCN 6 (POST PROJECT) - RAS203
FRI, MAR 28 2025 23:05

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -754.7 MW

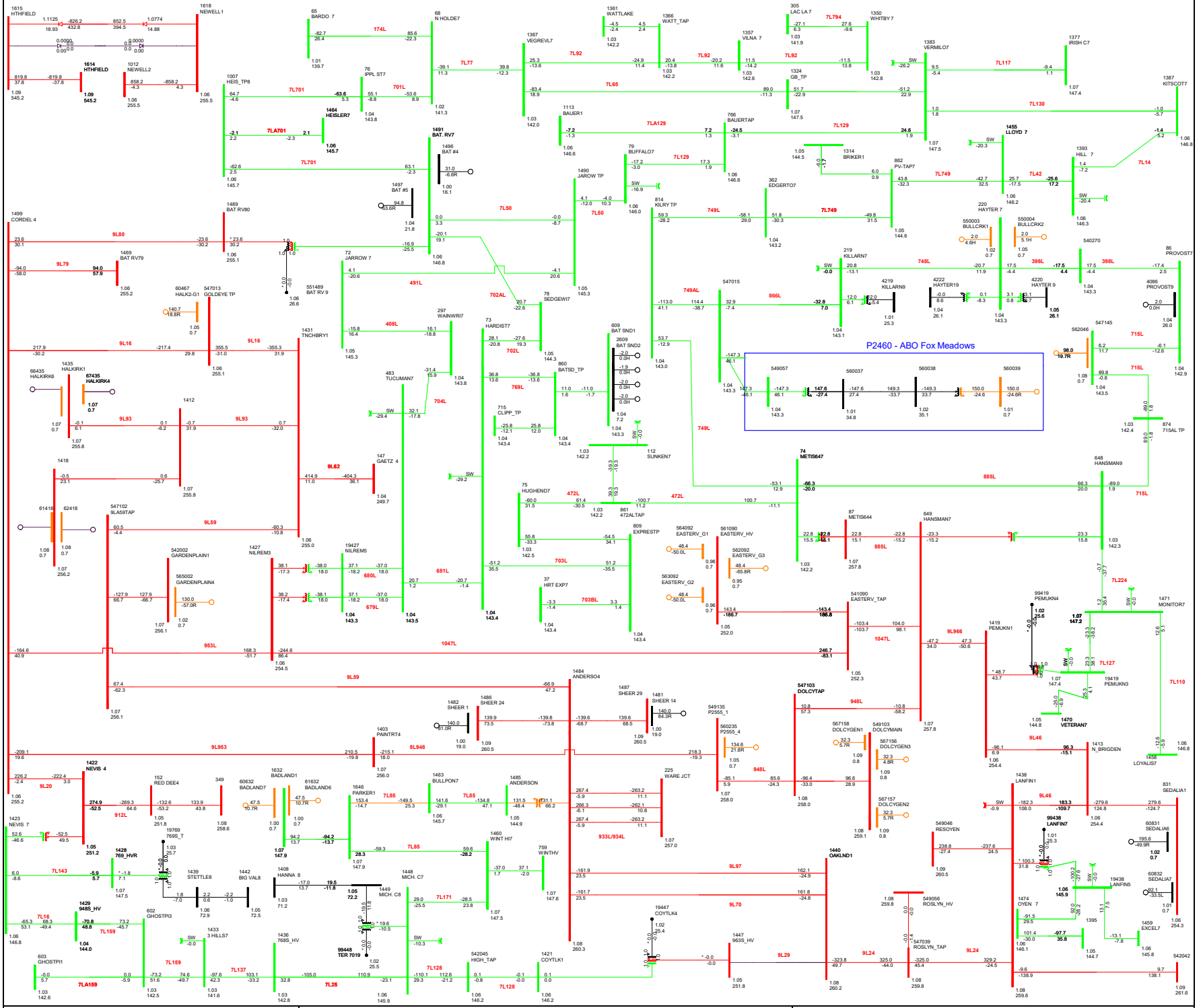
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-8-N-1: 7L16-HEATBURG 948S TO NEVIS 766S
SCN 6 (POST PROJECT) - RAS203
FRI, MAR 28 2025 23:06

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -489.8 MW

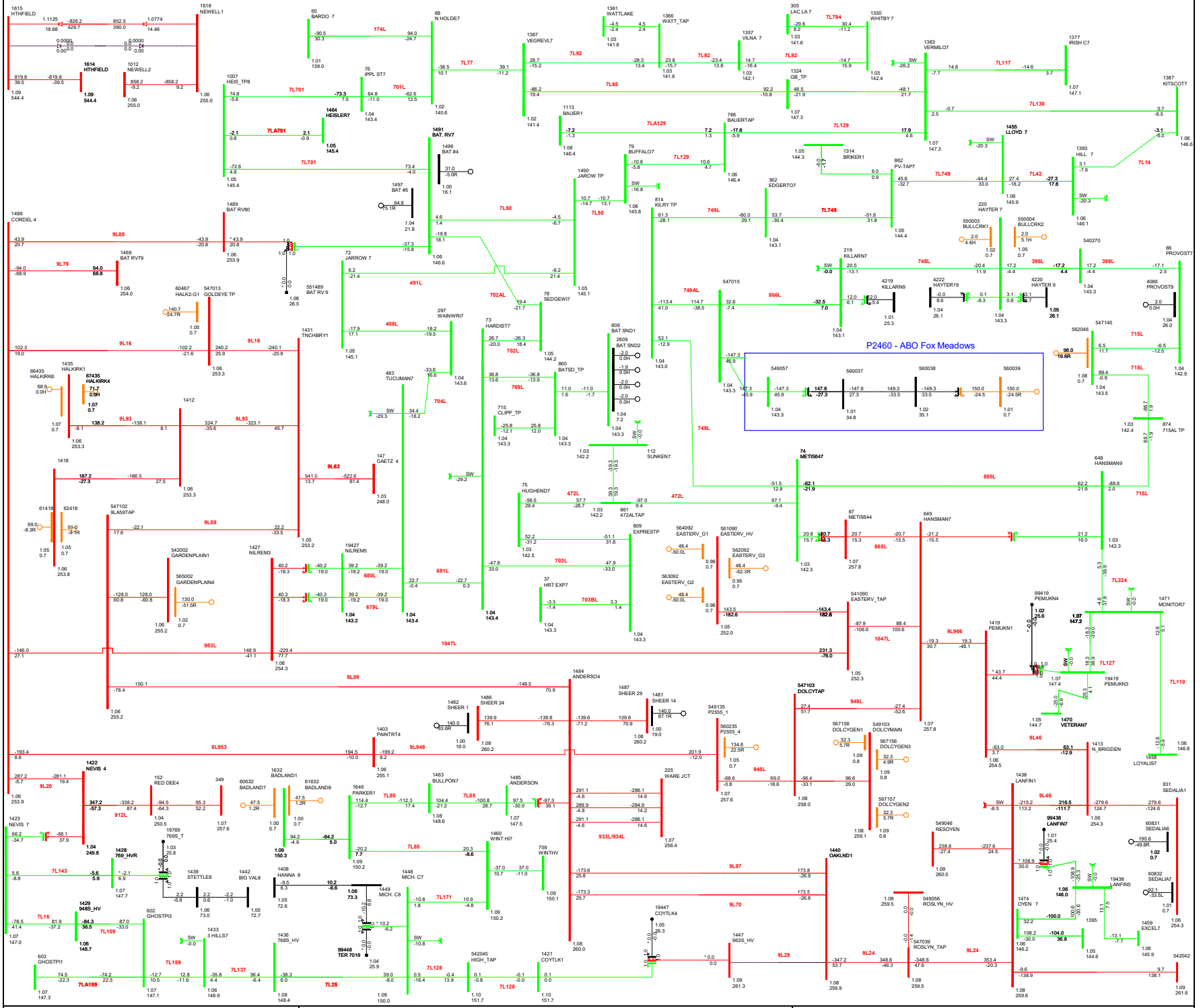
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-12-N-1: 9L29-OAKLAND 946S TO COYOTE LAKE 963S
SCN 6 (POST PROJECT) - RAS134 LOGIC 3
FRI, MAR 28 2025 23:06

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -745.7 MW

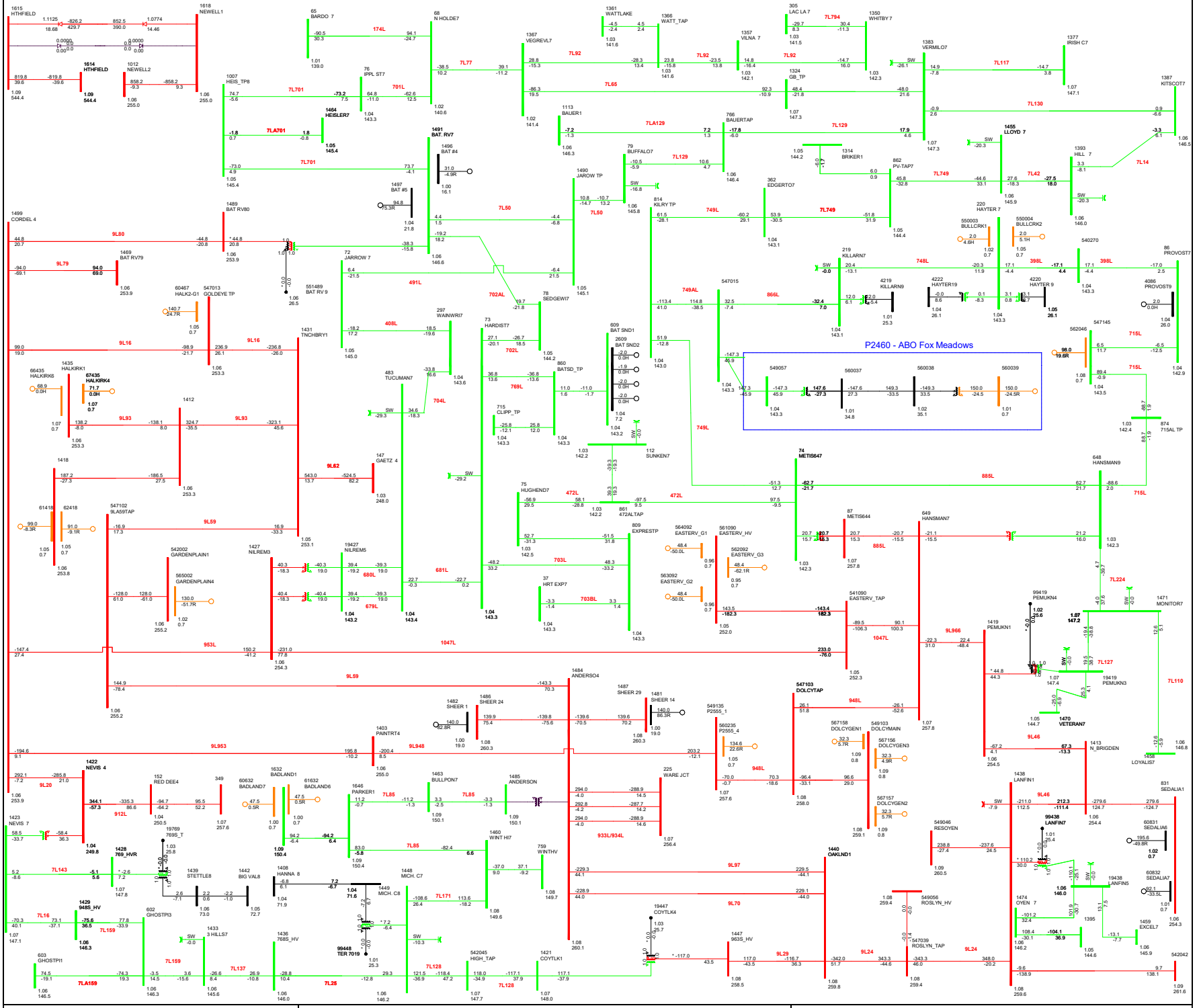
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-12B-N-1: 9L29-OAKLAND 946S TO COYOTE LAKE 963S
SCN 6 (POST PROJECT) - RAS200
FRI, MAR 28 2025 23:06

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -752.7 MW

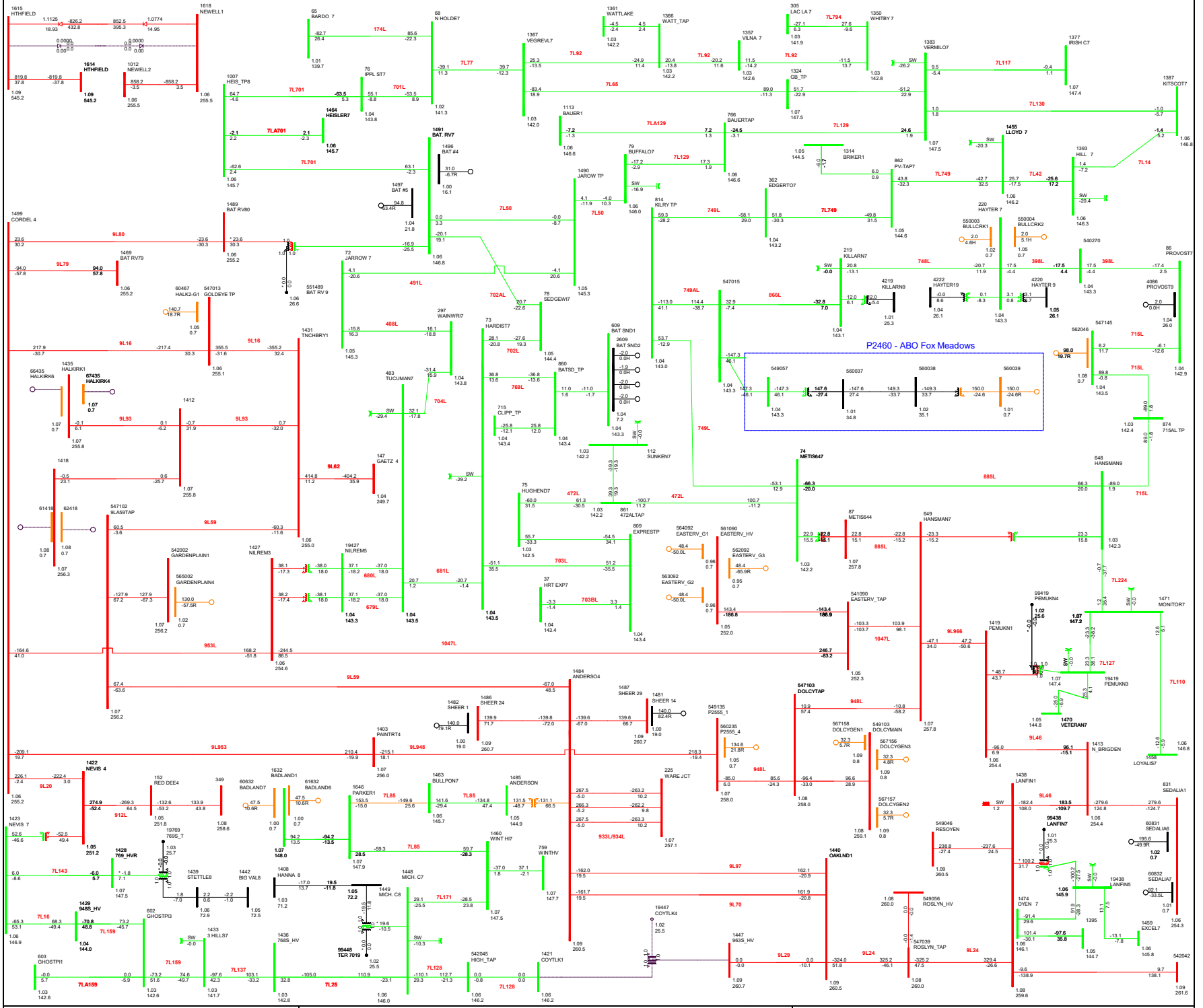
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-13-N-1: ANDERSON 801S TRANSFORMER
SCN 6 (POST PROJECT) - RAS203
FRI, MAR 28 2025 23:06

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -489.8 MW

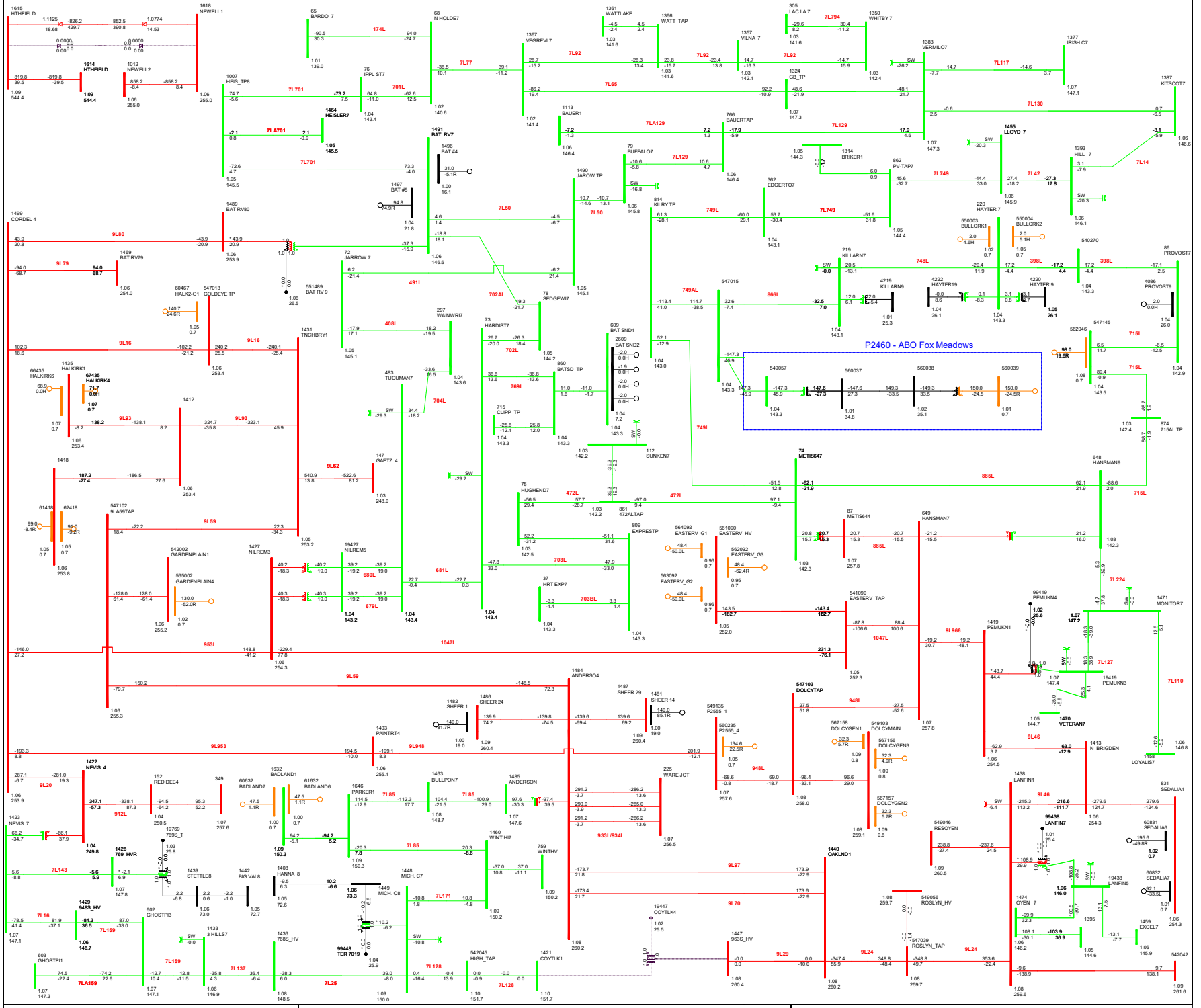
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-14-N-1: COYOTE LAKE 963S - 901 TRANSFORMER
SCN 6 (POST PROJECT) - RAS134 LOGIC 3
FRI, MAR 28 2025 23:06

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -745.8 MW

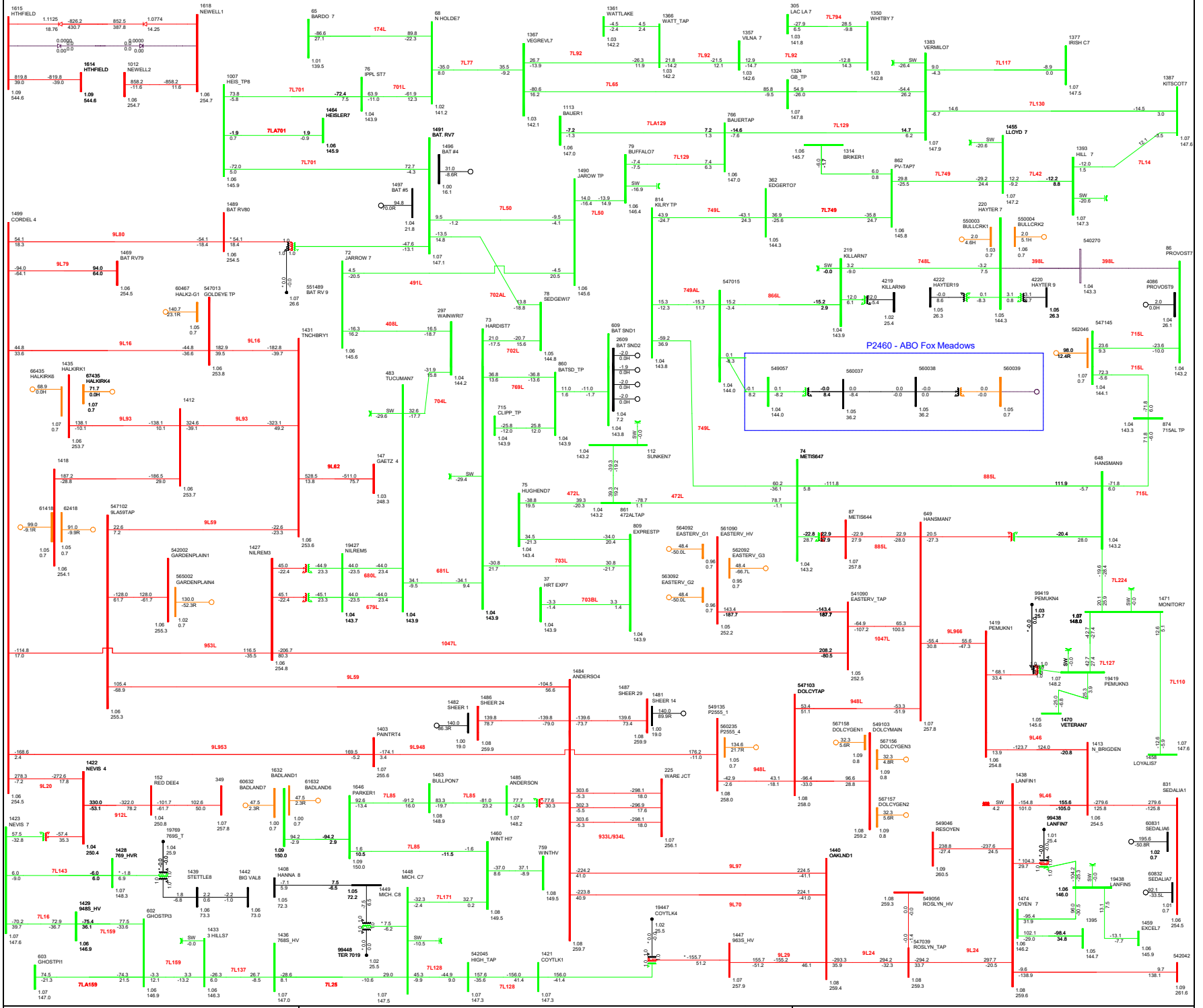
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-14B-N-1: COYOTE LAKE 963S - 901 TRANSFORMER
SCN 6 (POST PROJECT) - RAS200
FRI, MAR 28 2025 23:06

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -738.6 MW

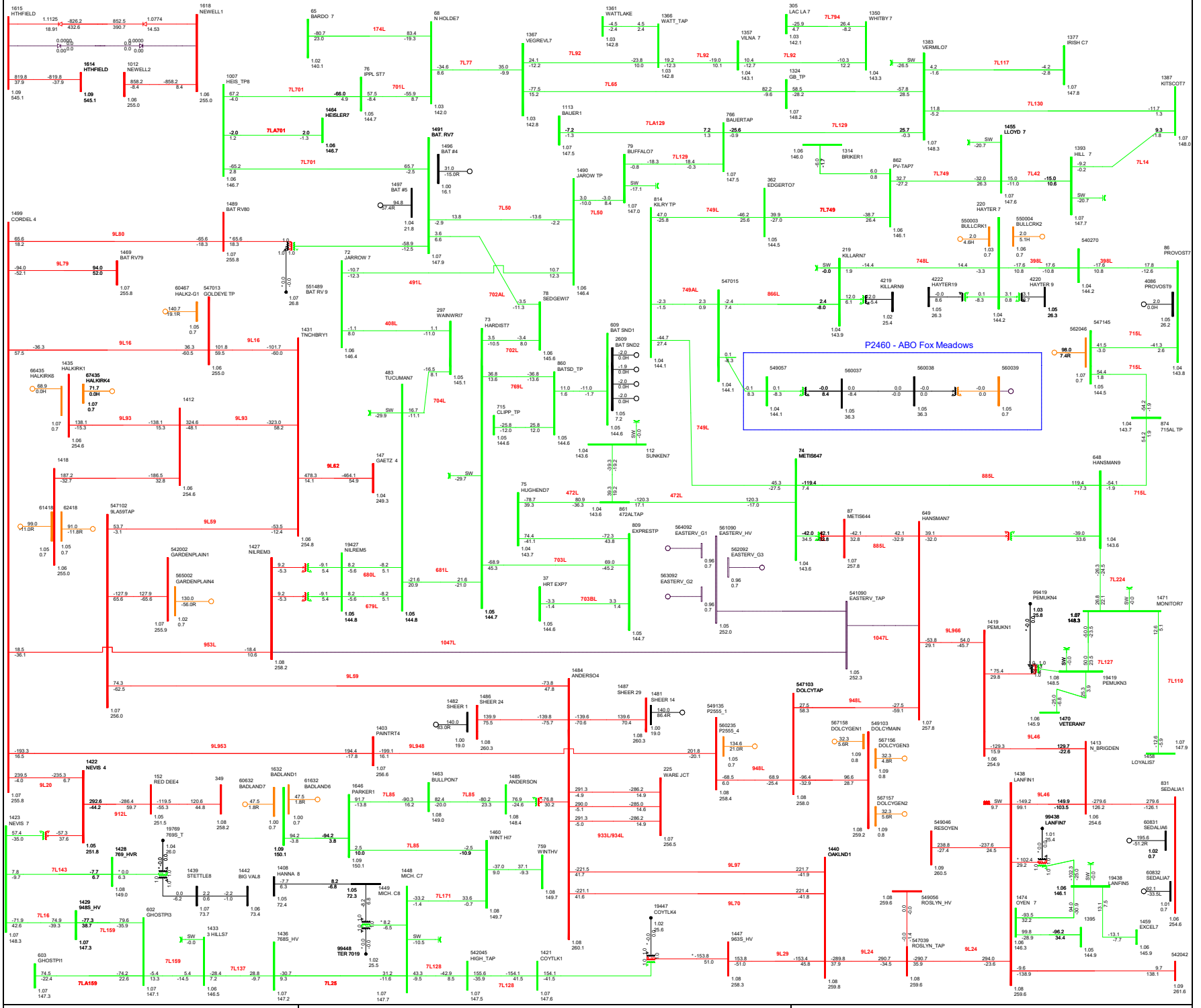
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-20-N-1: 398L-PROVOST 544S TO HAYTER 277S
SCN 6 (POST PROJECT) - RAS213
FRI, MAR 28 2025 23:06

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -616.8 MW

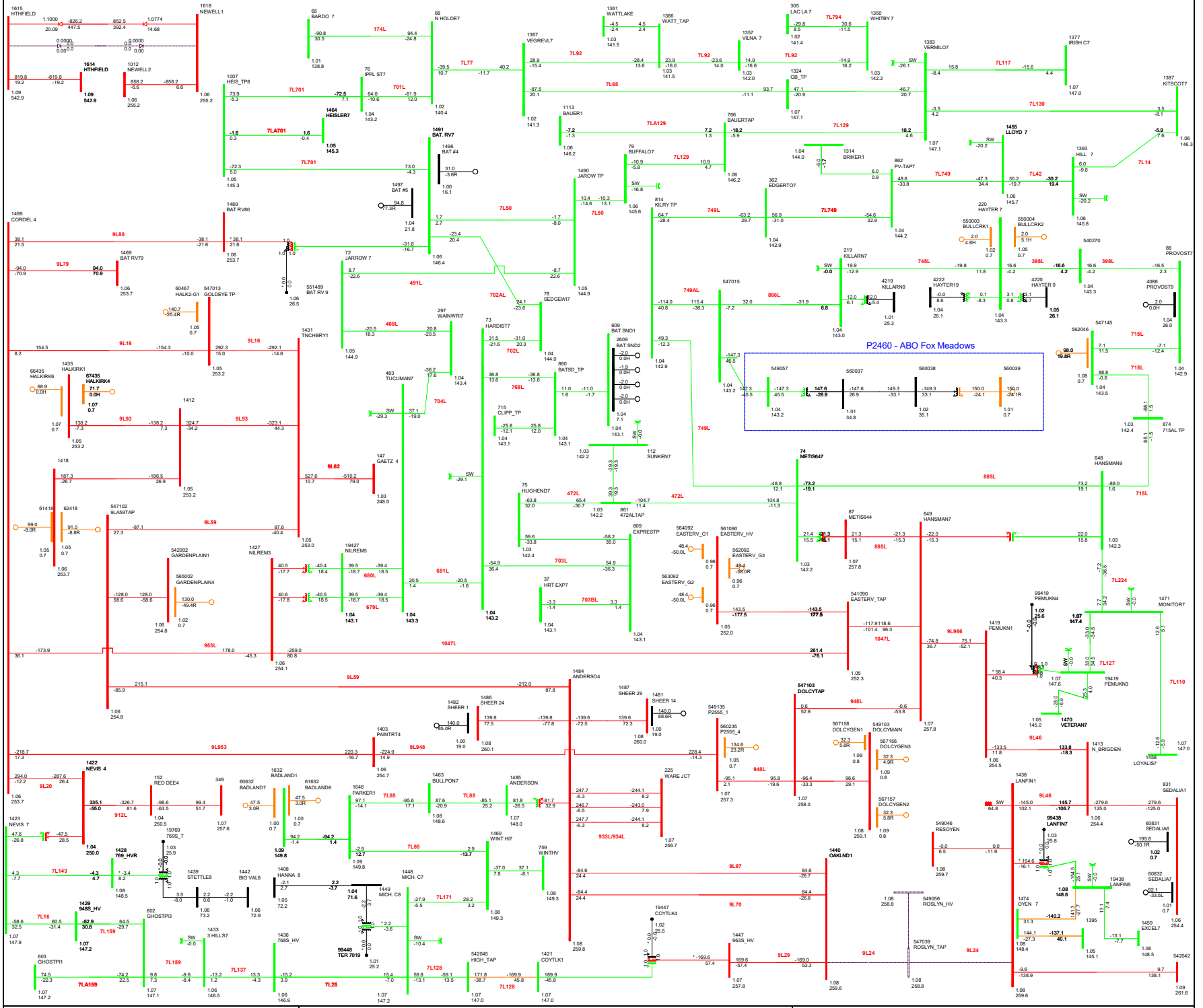
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-21-N-1: 1047L-HANSMAN LAKE 650S TO NILREM 574S
SCN 6 (POST PROJECT) - MODIFIED RAS236
FRI, MAR 28 2025 23:06

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -635.3 MW

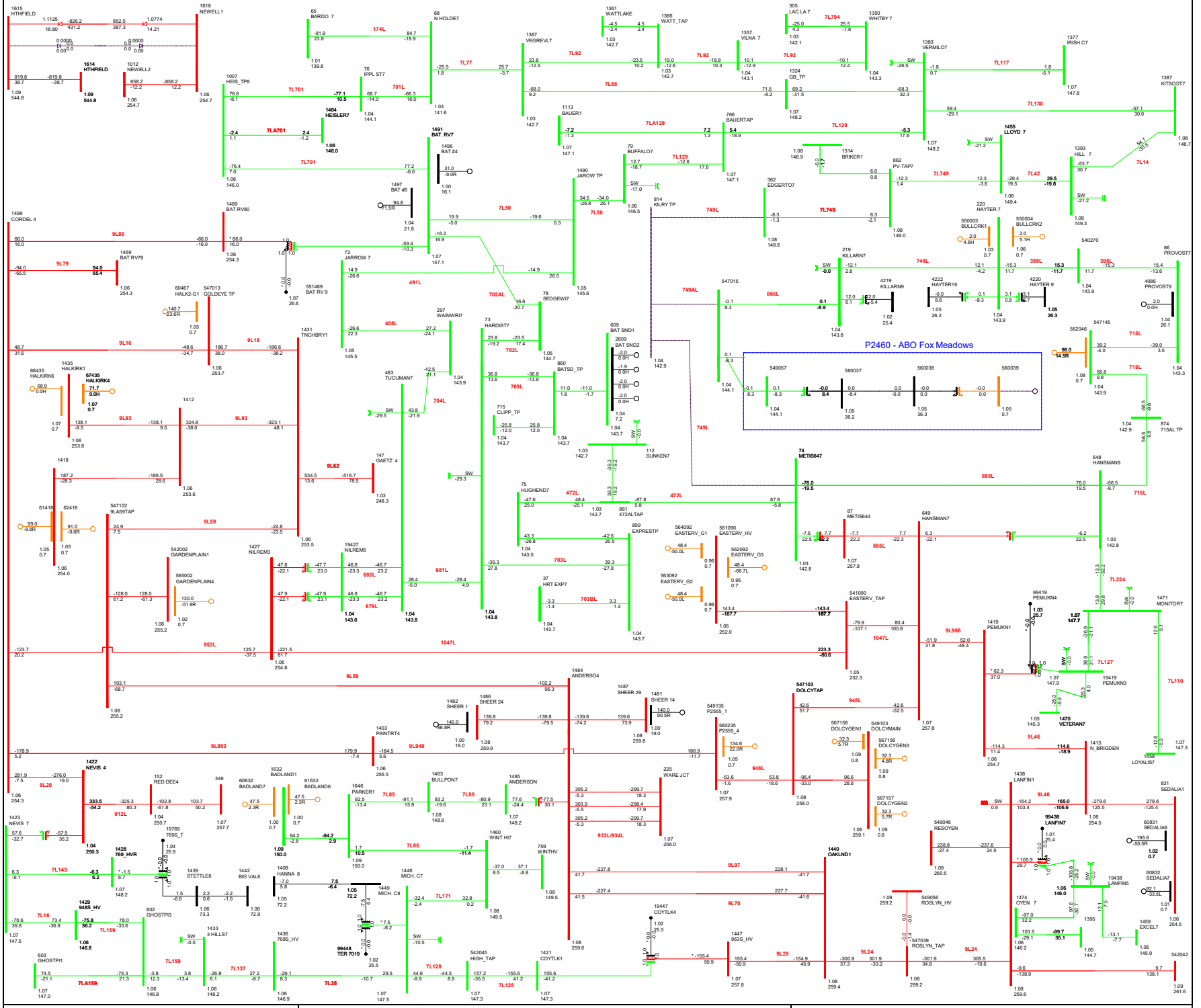
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-22-N-1: 9L24-LANFINE 959S TO OAKLAND 946S
SCN 6 (POST PROJECT) - NEWRAS
FRI, MAR 28 2025 23:06

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -736.4 MW

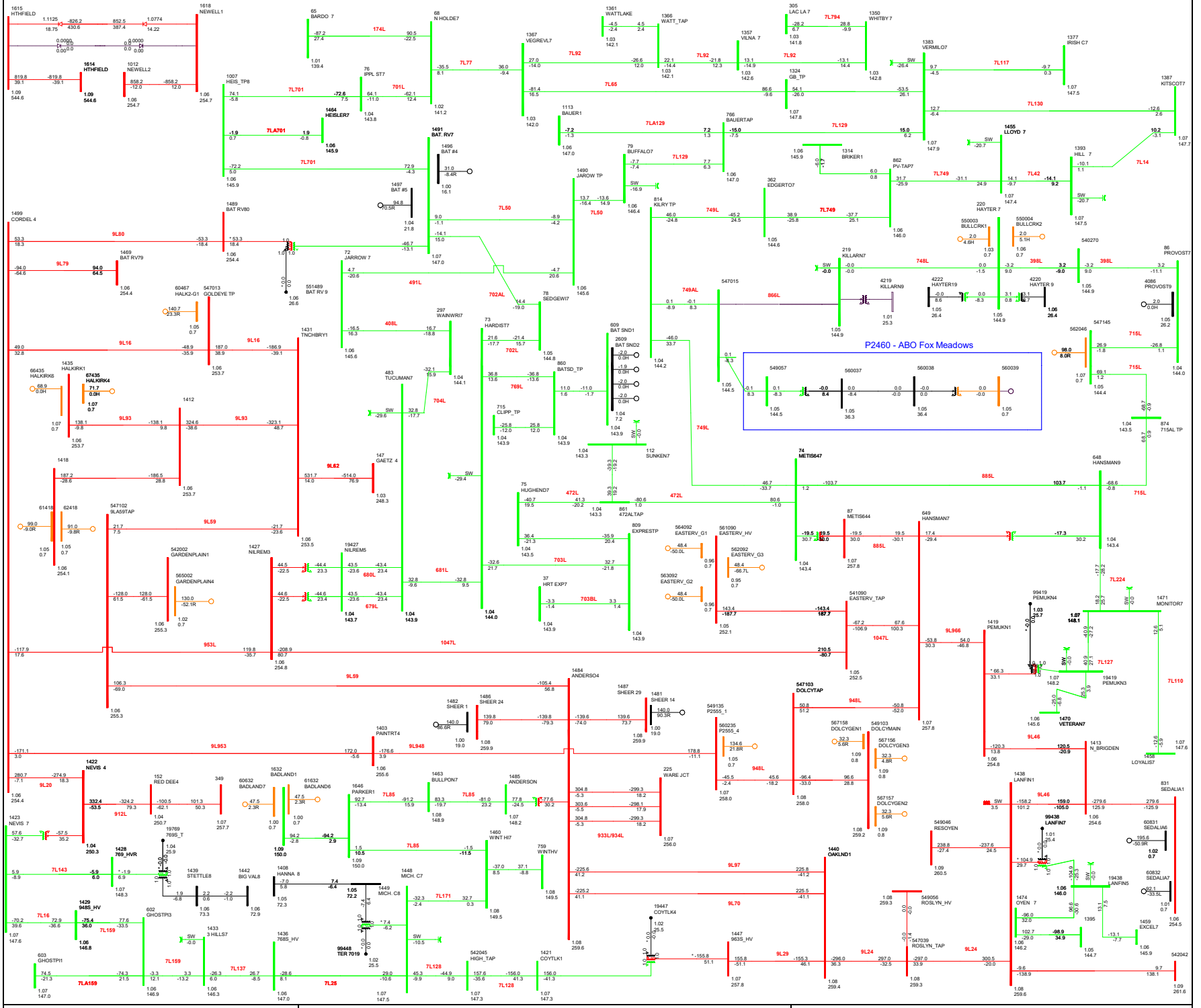
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-23-N-1: 749L METISKOW 648S TO EDGERTON 899S
SCN 6 (POST PROJECT) - RAS213
FRI, MAR 28 2025 23:06

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 **<=500.000** >500.000



P2460- ABO Fox Meadows Wind

BC Import: -748.5 MW

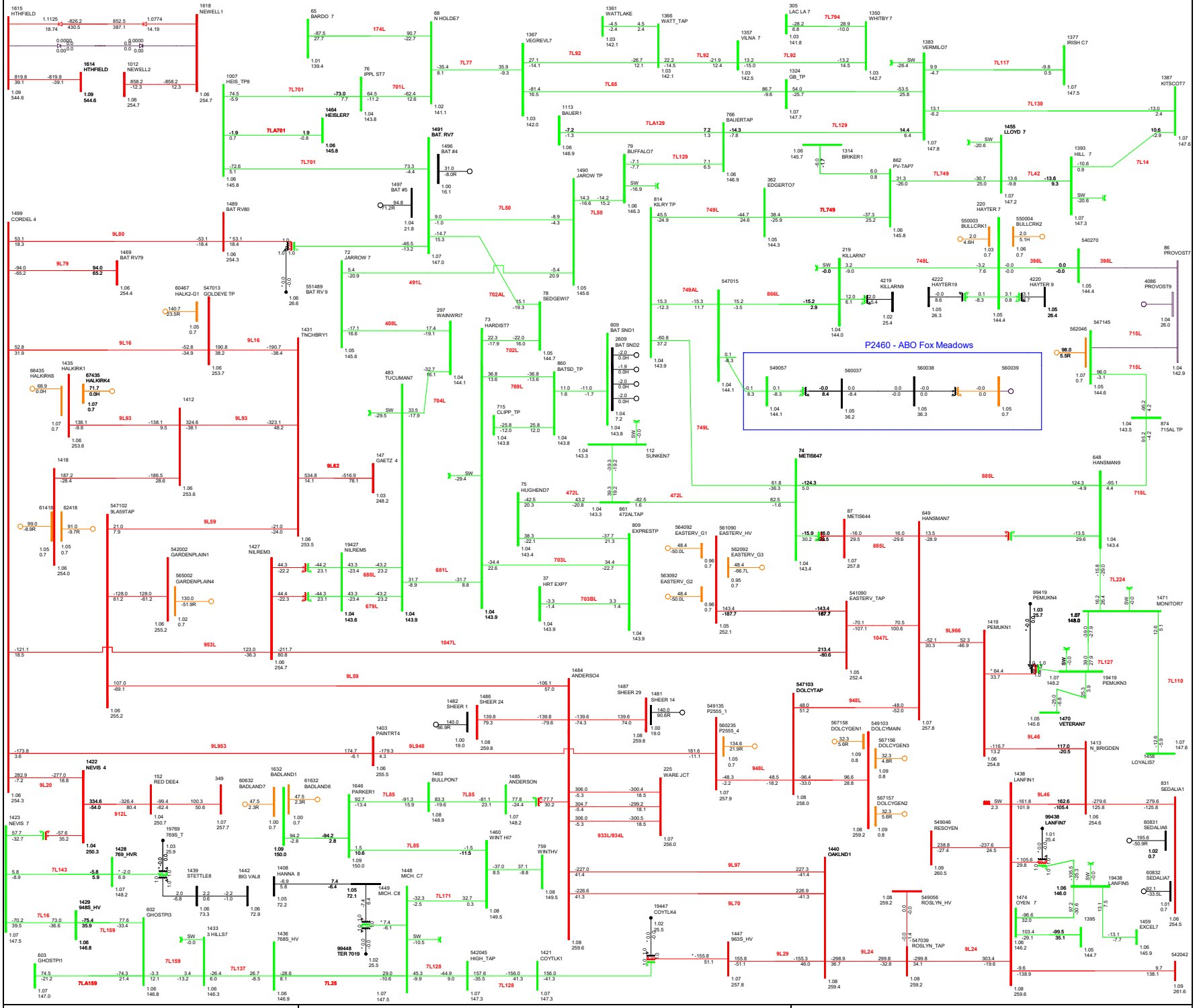
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-24-N-1: KILLARNARY 138/25 KV 267ST1 TRANSFORMER
SCN 6 (POST PROJECT) - RAS213
FRI, MAR 28 2025 23:06

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -757.1 MW

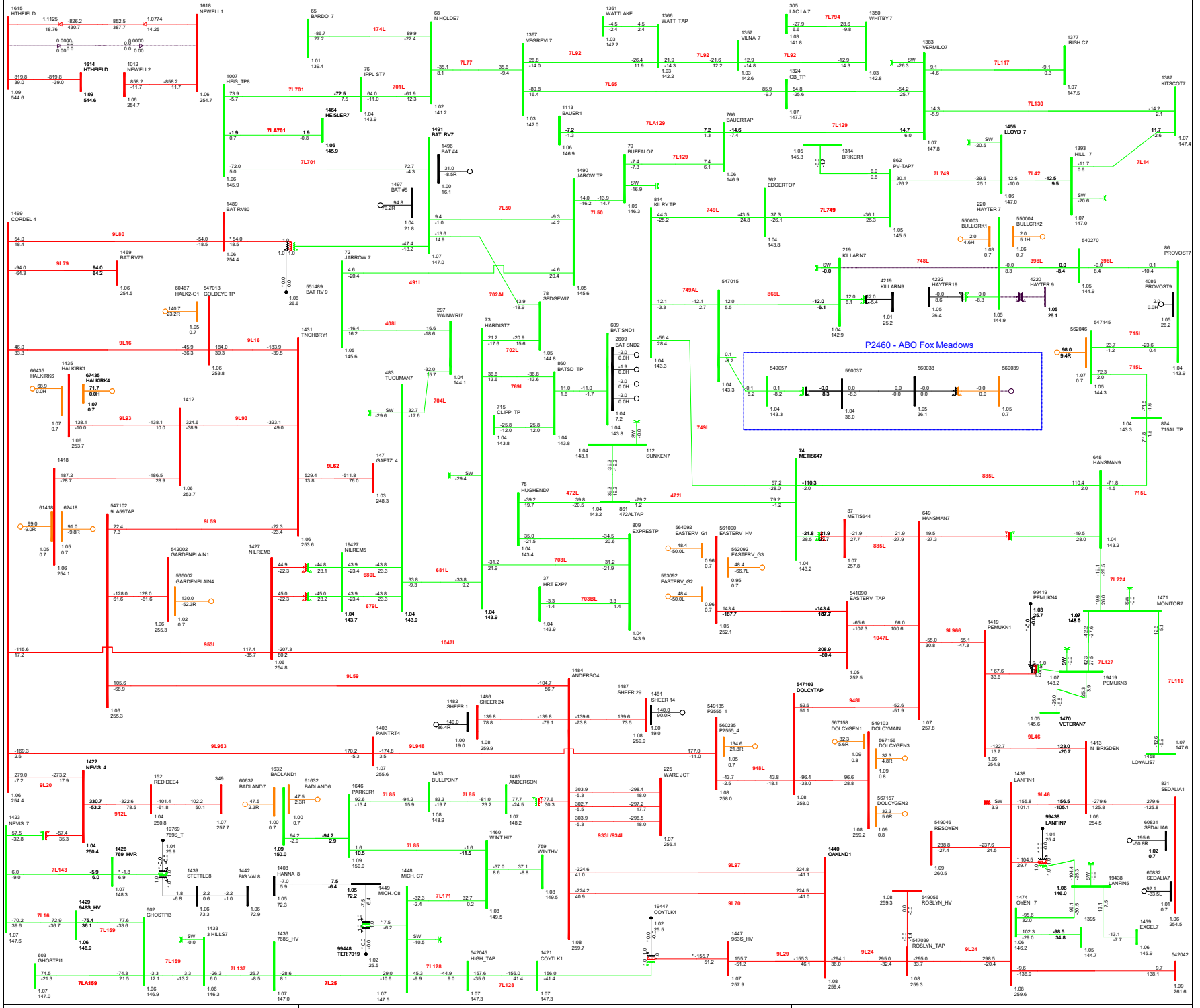
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-25-N-1: PROVOST TRANSFORMER 545ST1
SCN 6 (POST PROJECT) - RAS213
FRI, MAR 28 2025 23:06

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 **<=500.000** >500.000



P2460- ABO Fox Meadows Wind

BC Import: -741.3 MW

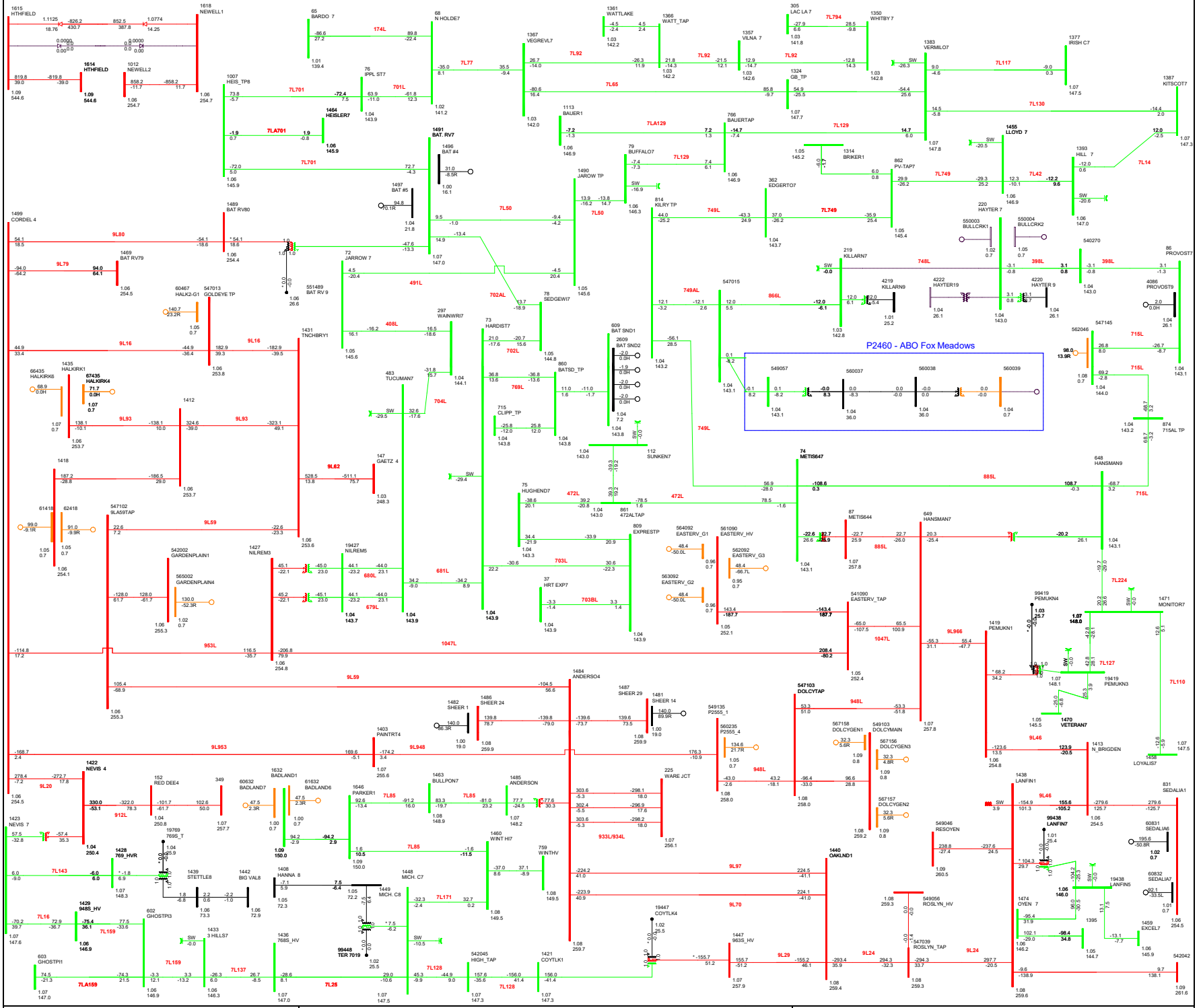
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-26-N-1: HAYTER 277S TRANSFORMER1
SCN 6 (POST PROJECT) - RAS213
FRI, MAR 28 2025 23:06

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -738.8 MW

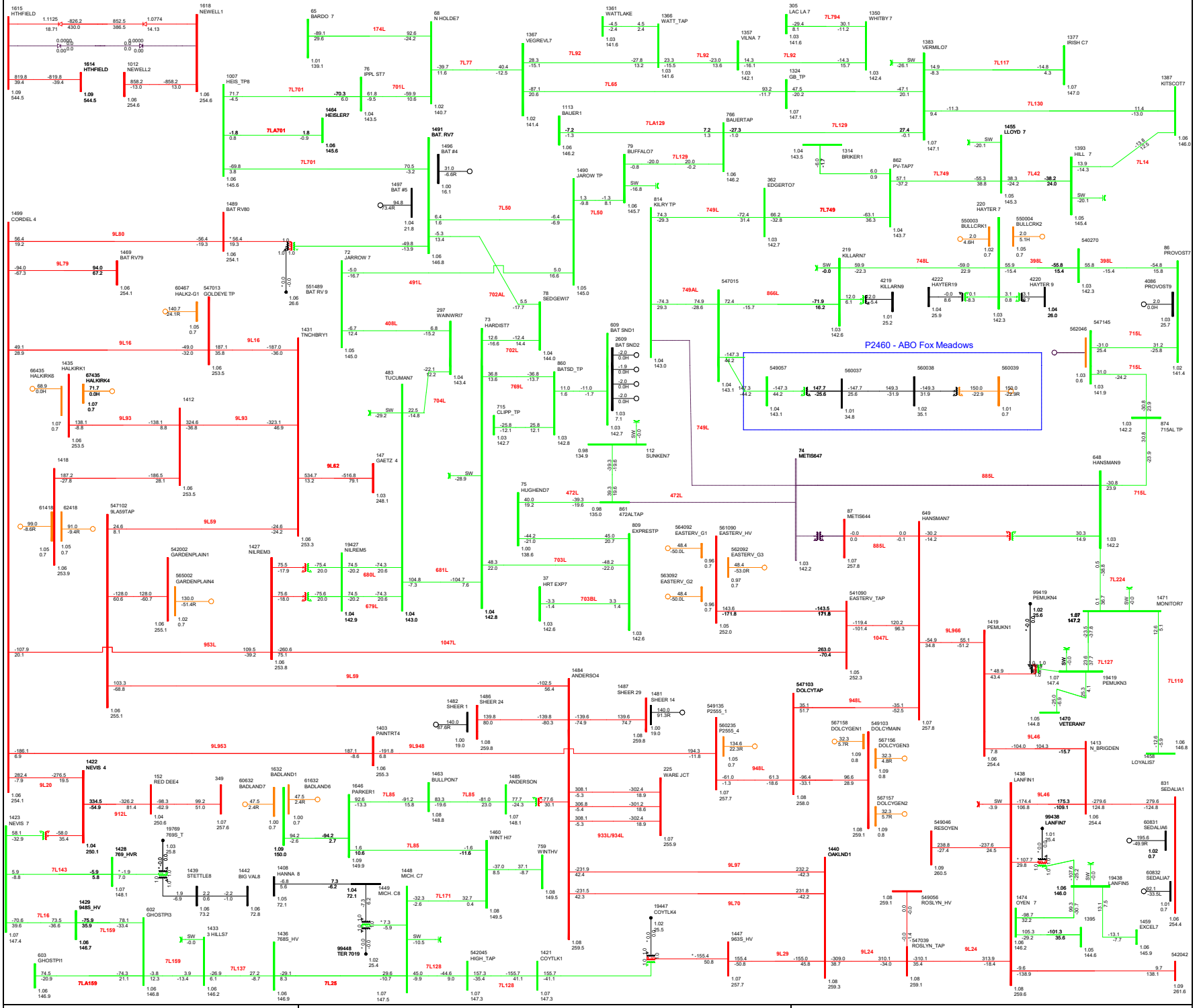
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-27-N-1: HAYTER 277S TRANSFORMER2
SCN 6 (POST PROJECT) - RAS213
FRI, MAR 28 2025 23:07

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -769.9 MW

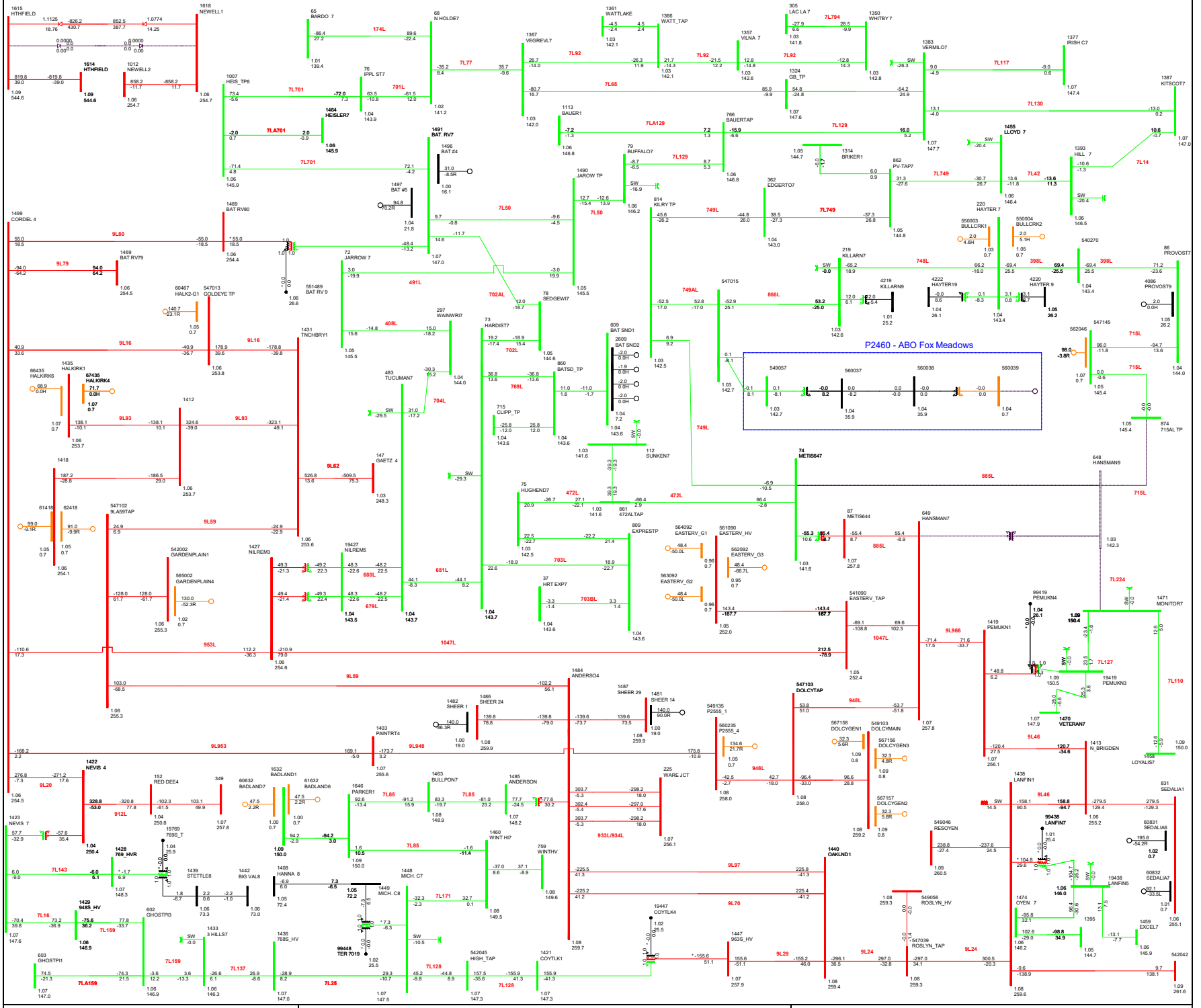
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-28-N-1: METISKOW 648S-TRANSFORMER
SCN 6 (POST PROJECT) - RAS237
FRI, MAR 28 2025 23:06

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -736.6 MW

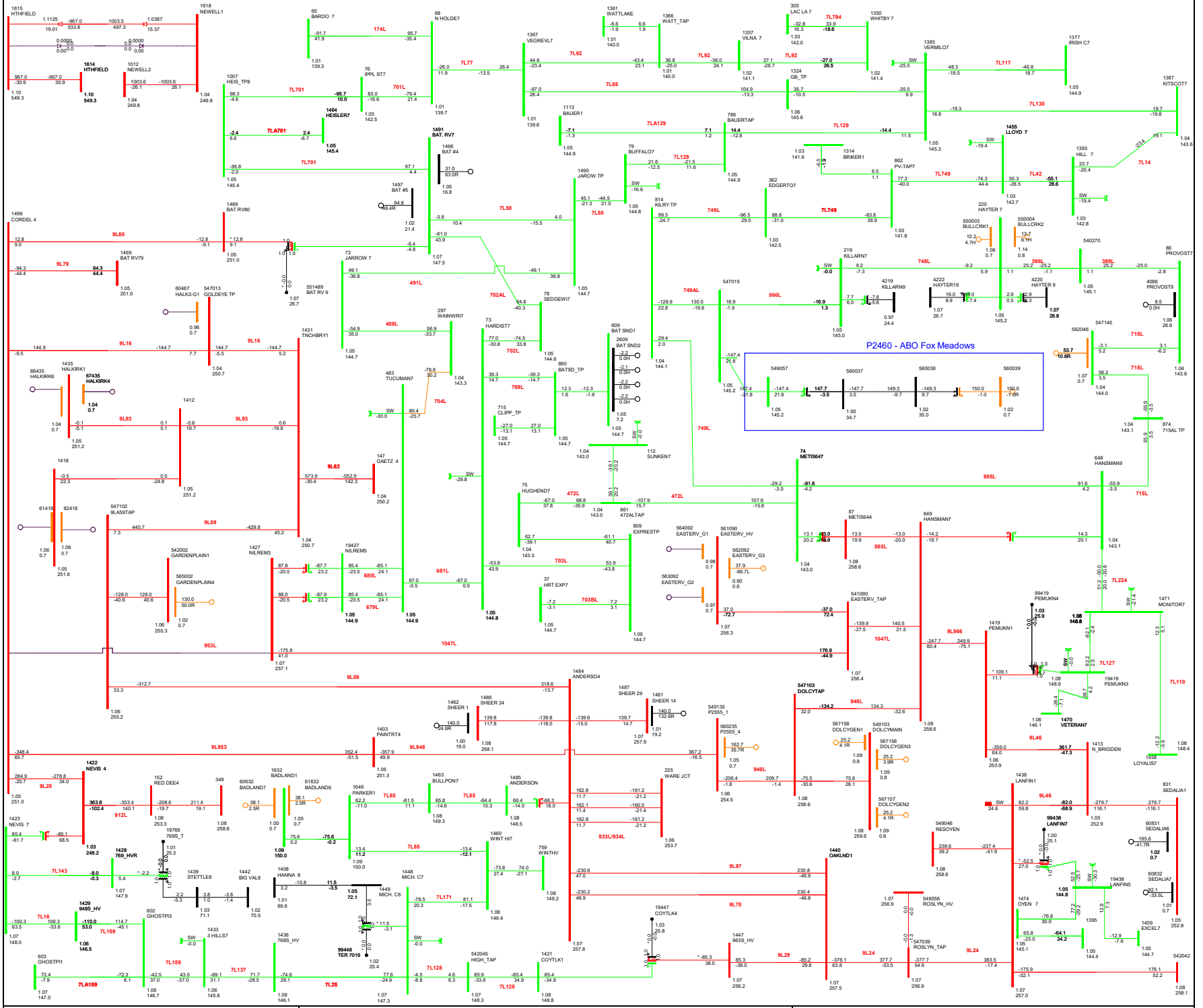
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A6-30-N-1: 885L-METISKOW 648S TO HANSMAN 650T1
SCN 6 (POST PROJECT) - RAS213
FRI, MAR 28 2025 23:06

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -644.8 MW

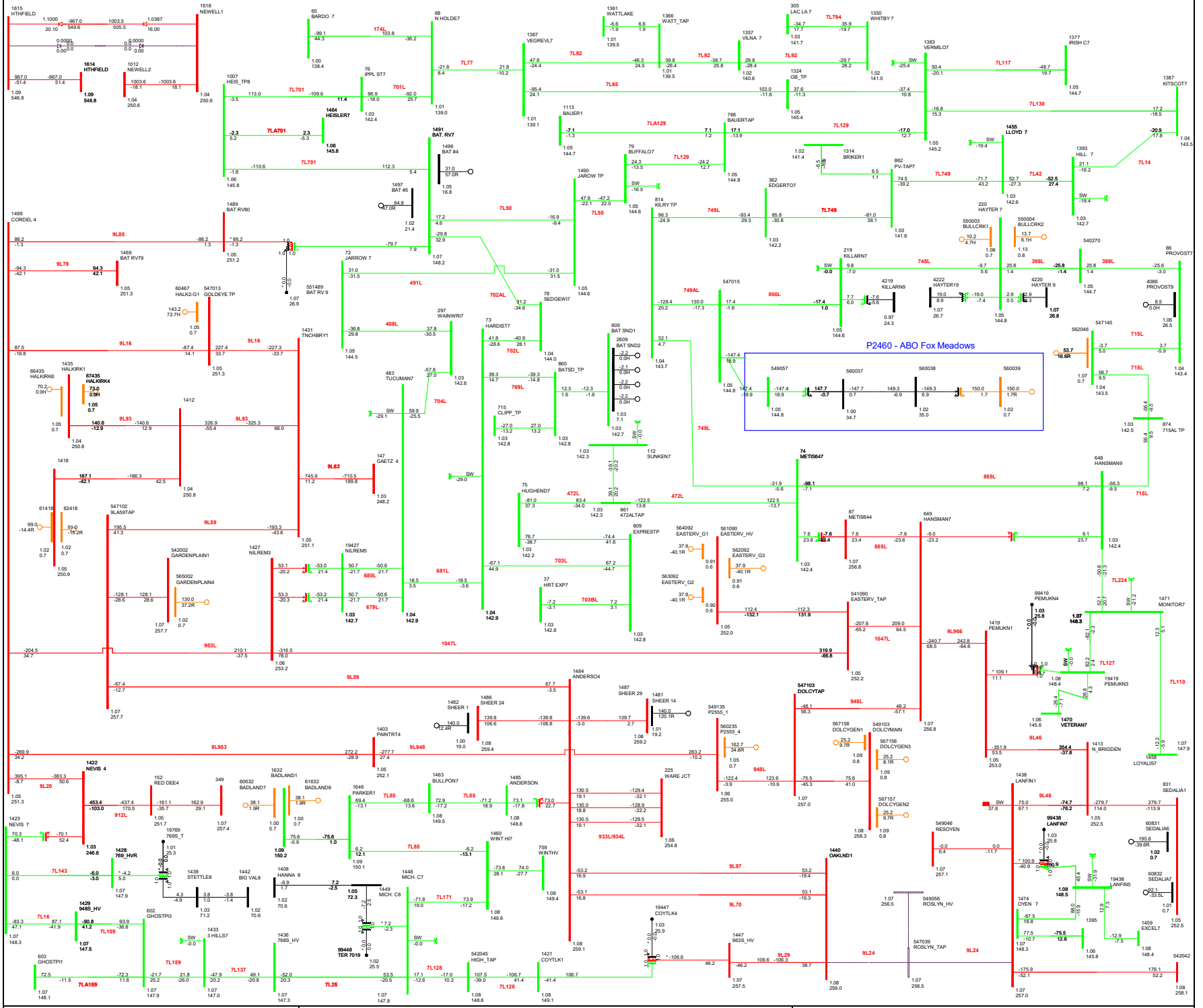
Sask Import: 152.3 MW

MATL: 186.1 MW

FIGURE A7-8-N-1: 953L-NILREM 574S TO CORDEL 755S
SCN 7 (POST PROJECT) - RAS211
FRI, MAR 28 2025 23:08

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -811.8 MW

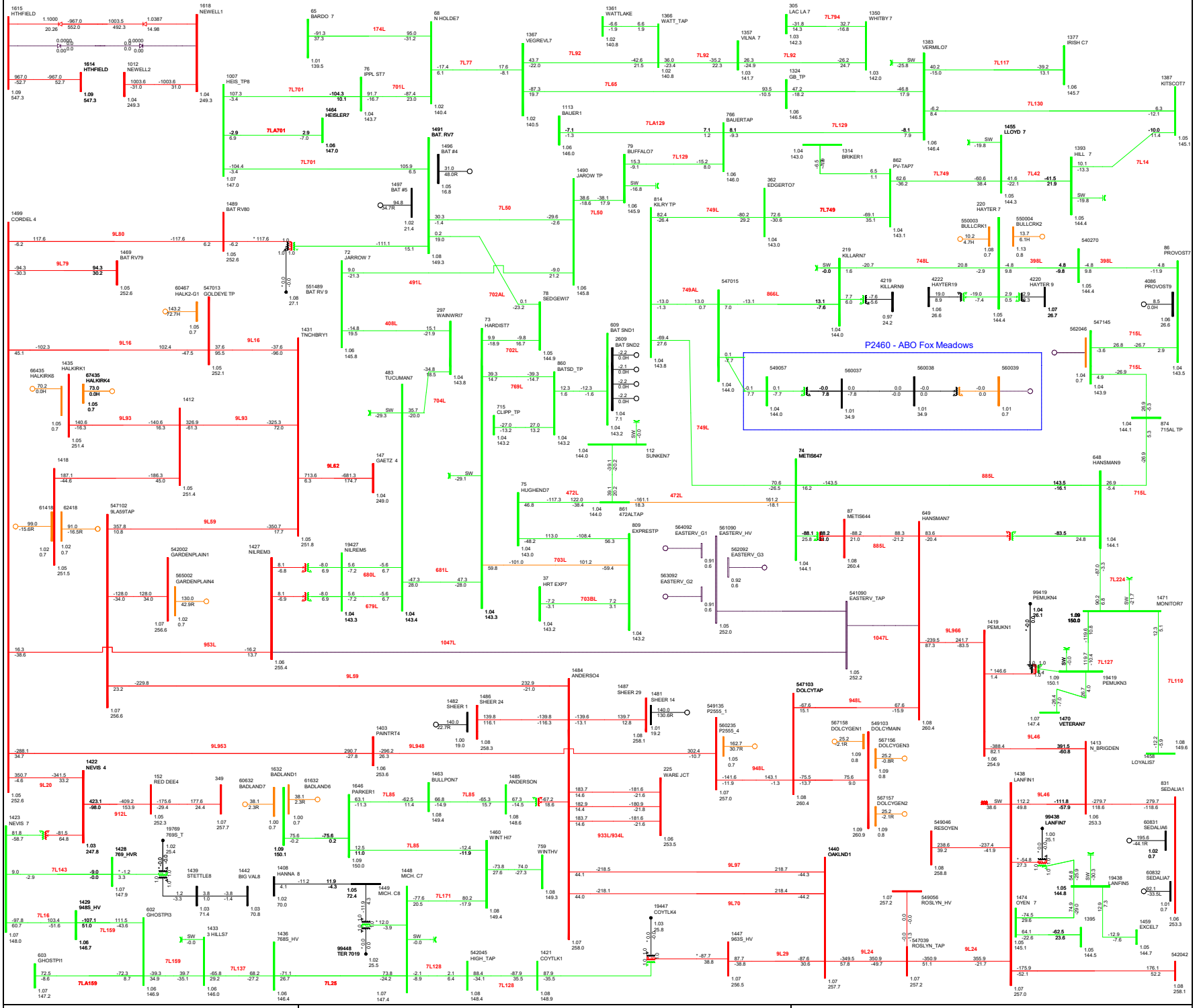
Sask Import: 152.2 MW

MATL: 186.1 MW

FIGURE A7-26-N-1: 9L24-LANFINE 959S TO OAKLAND 946S
SCN 7 (POST PROJECT) - NEWRAS
FRI, MAR 28 2025 23:08

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -857.7 MW

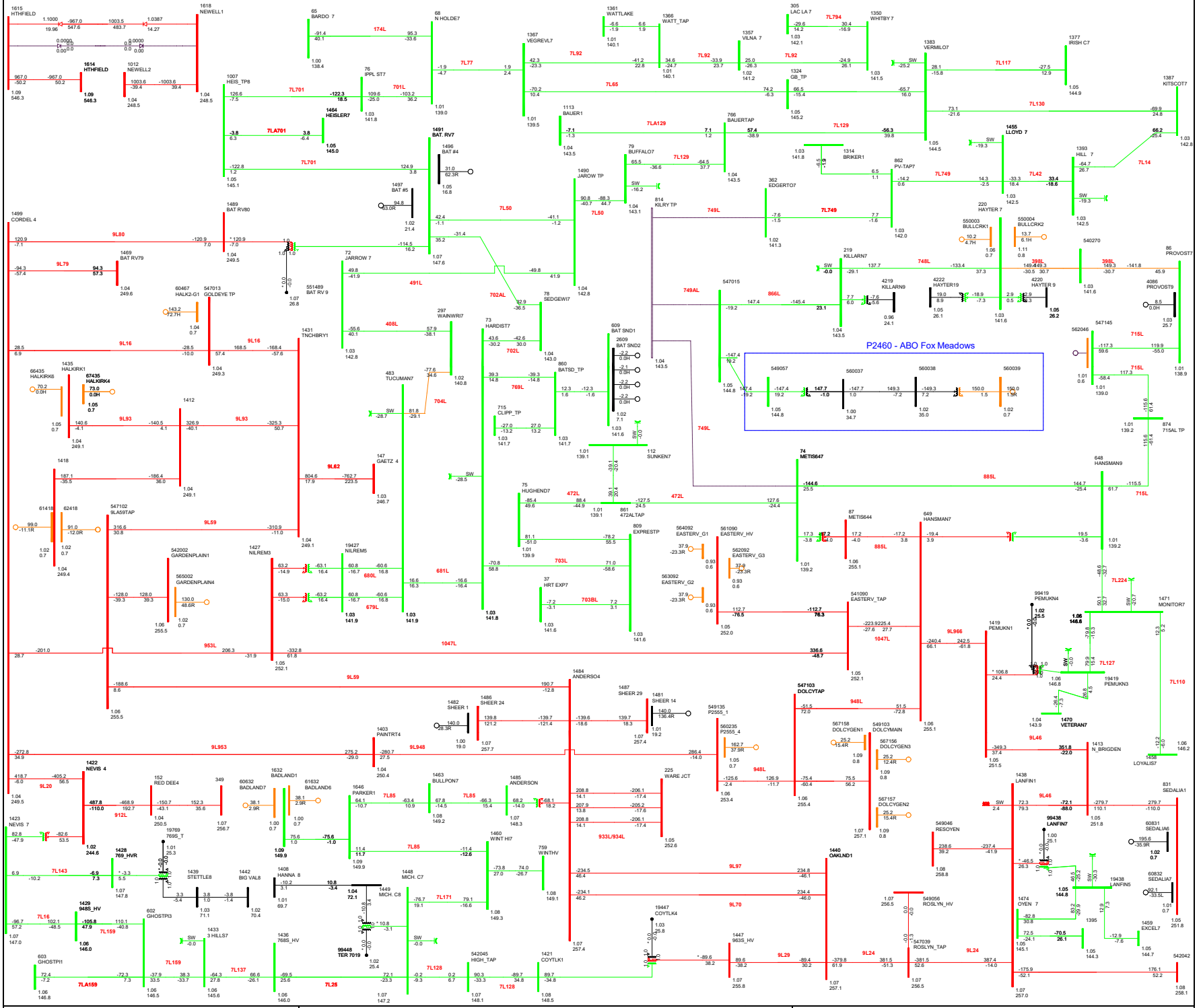
Sask Import: 152.3 MW

MATL: 186.1 MW

FIGURE A7-28-N-1: 1047L-HANSMAN LAKE 650S TO NILREM 574S
SCN 7 (POST PROJECT) - RAS238
FRI, MAR 28 2025 23:08

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -1036.1 MW

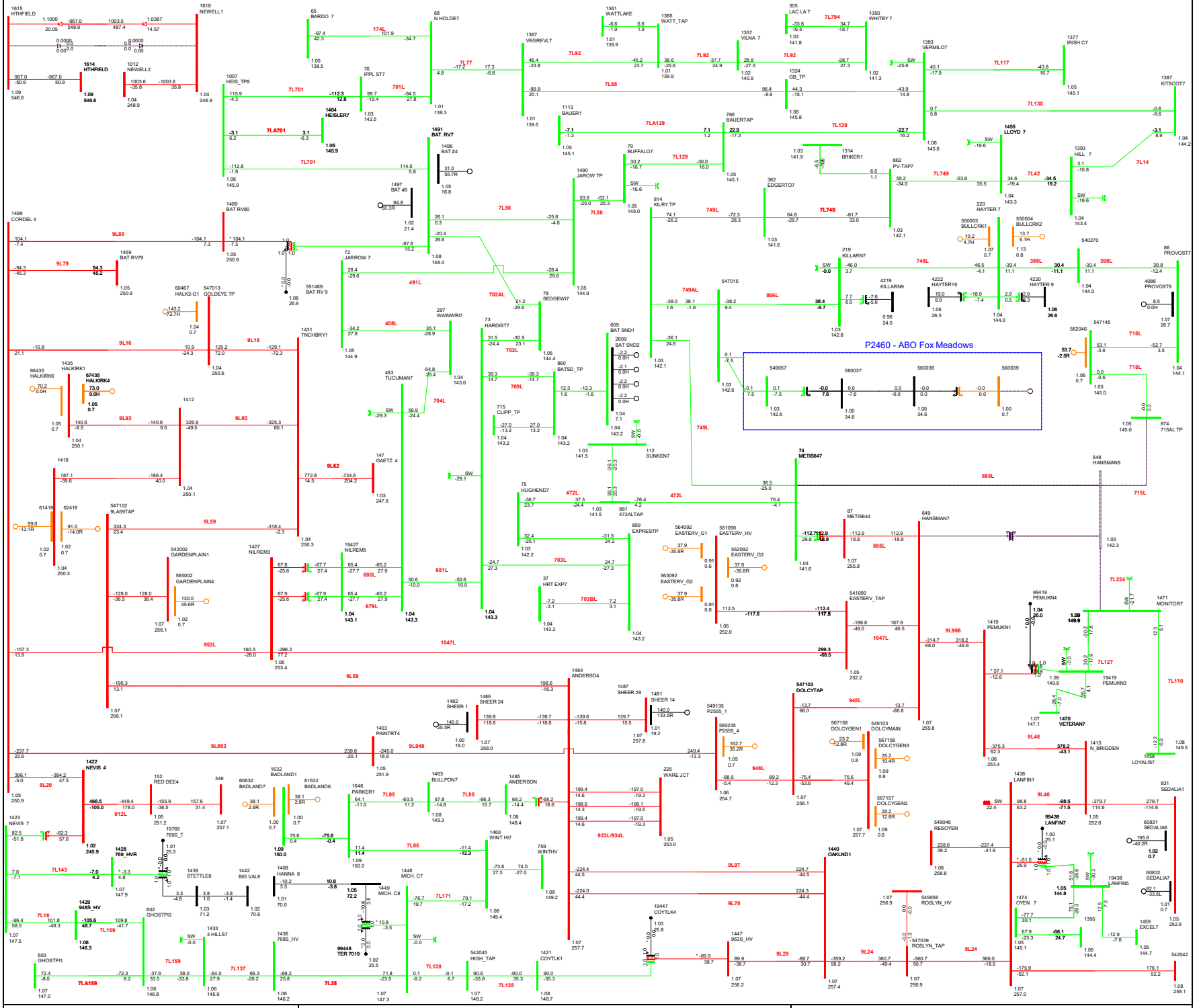
Sask Import: 152.3 MW

MATL: 186.1 MW

FIGURE A7-32-N-1: 749AL-TAP-METISKOW 648S TO EDGERTON 899S
SCN 7 (POST PROJECT) - RAS237
FRI, MAR 28 2025 23:08

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -992.2 MW

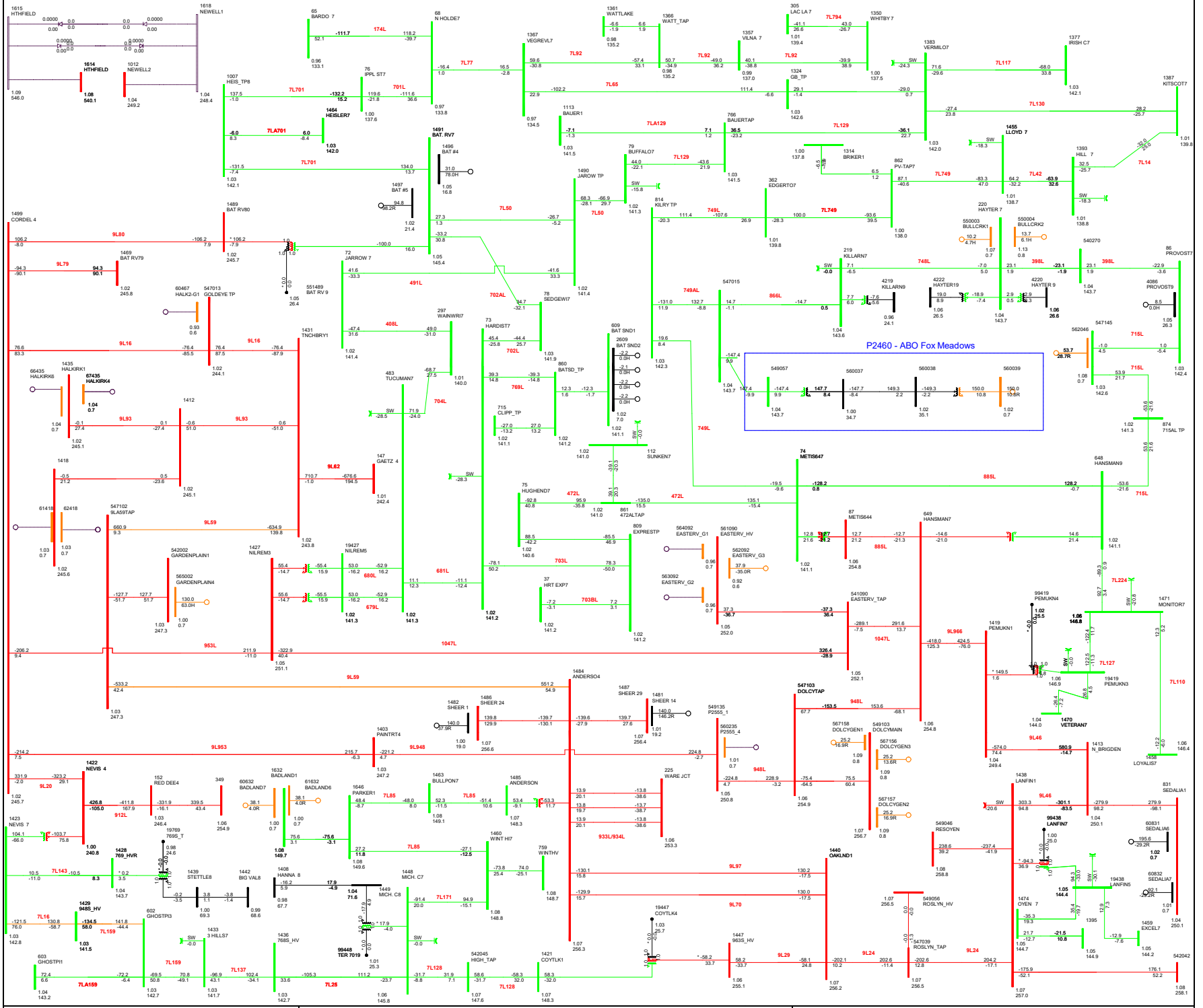
Sask Import: 152.3 MW

MATL: 186.1 MW

FIGURE A7-38-N-1: 885L-METISKOW 648S TO HANSMAN 650T1
SCN 7 (POST PROJECT) - RAS213
FRI, MAR 28 2025 23:09

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -263.1 MW

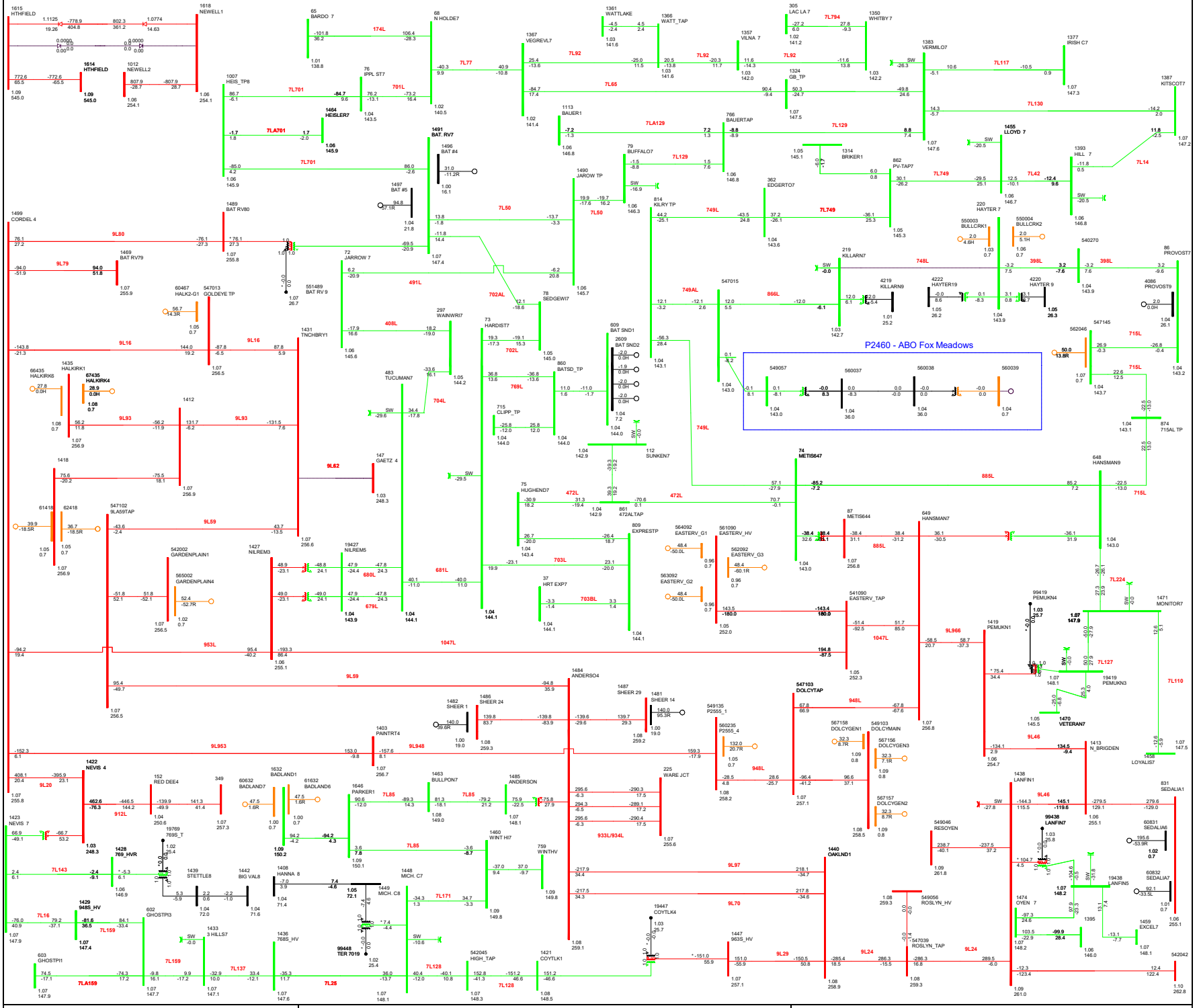
Sask Import: 152.2 MW

MATL: 186.2 MW

FIGURE A7-39-N-1: EATL
SCN 7 (POST PROJECT) - RAS211
FRI, MAR 28 2025 23:09

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE2

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -740.2 MW

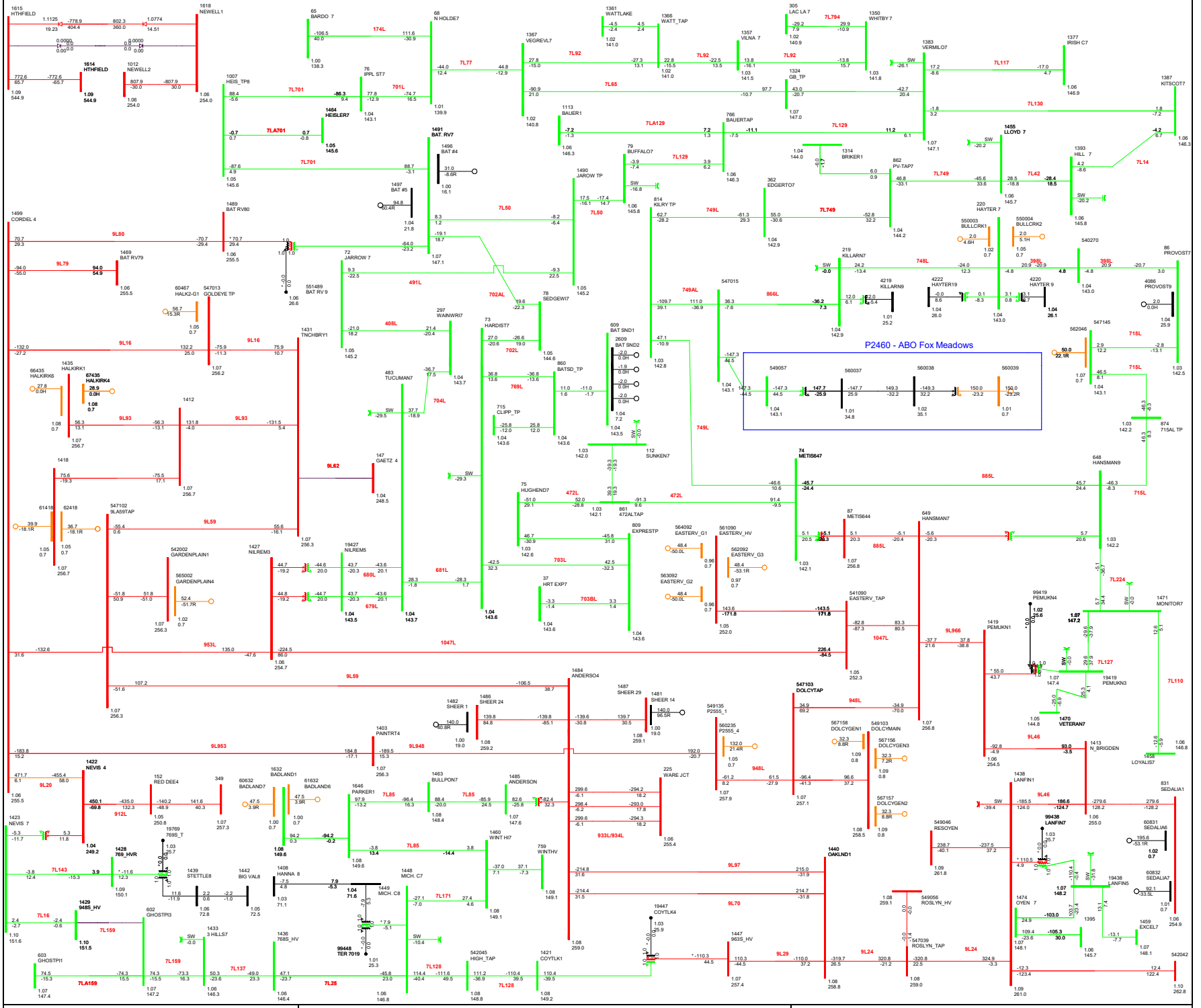
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A9-3-N-1: 748L-HAYTER 277S TO KILLARNEY LAKE 267S
SCN 9 (POST PROJECT) - RAS213
FRI, MAR 28 2025 23:14

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -755.2 MW

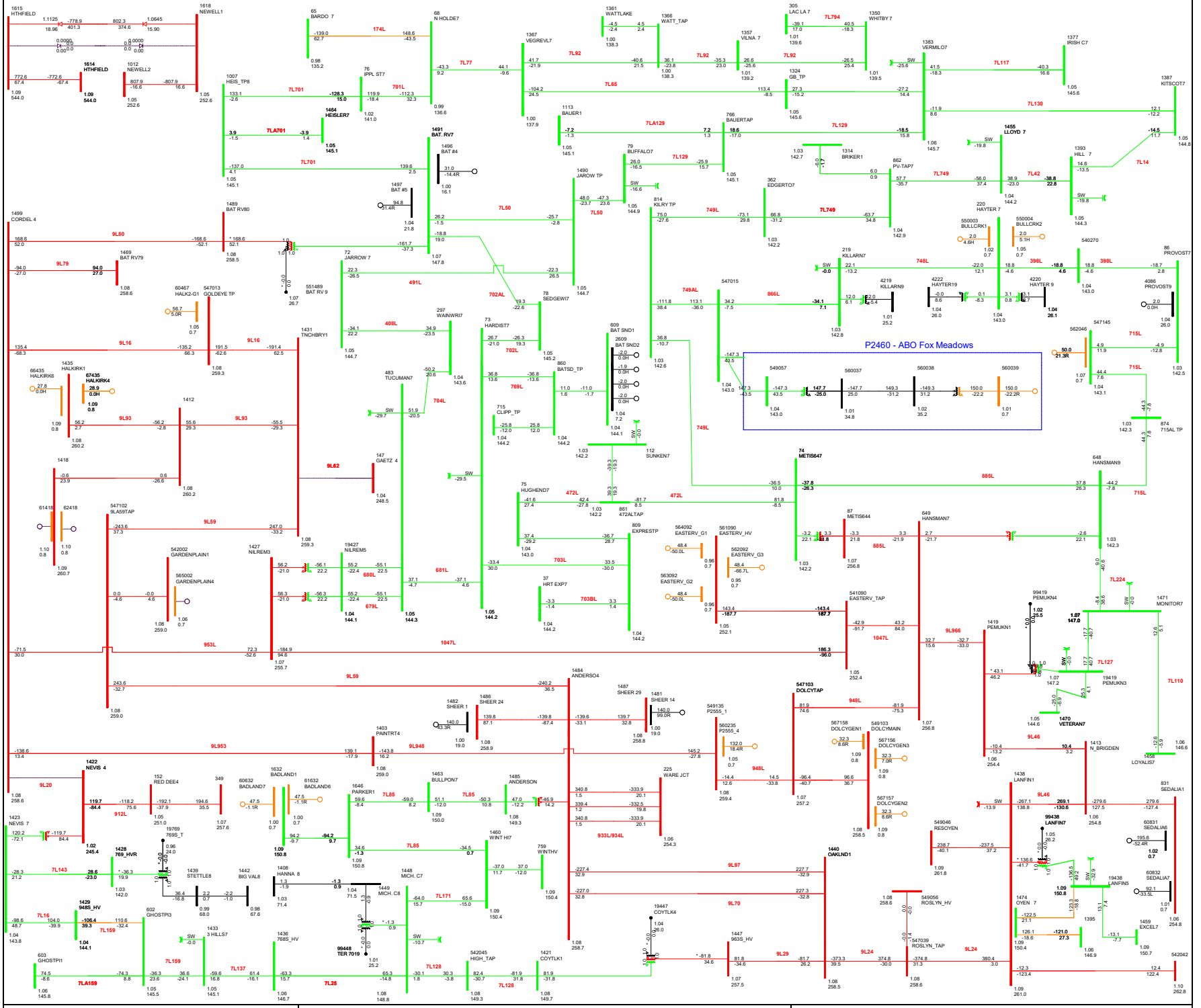
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A9-4-N-1: 7L159-GHOST PINE 114S TO HEARTBURT 948S
SCN 9 (POST PROJECT) - RAS203
FRI, MAR 28 2025 23:14

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -628.0 MW

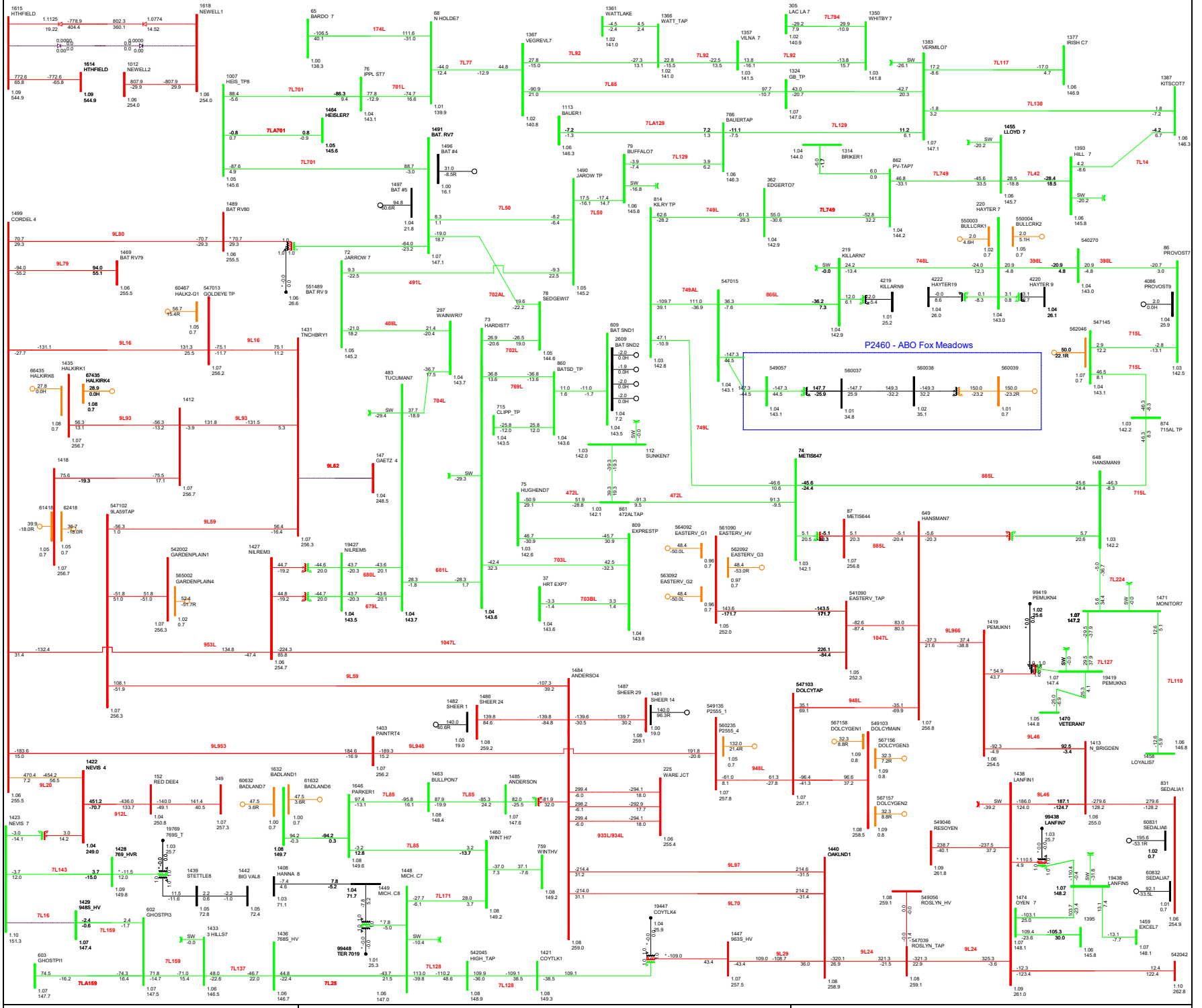
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A9-10-N-1: 9L20-NEVIS 766S TO CORDEL 755S
SCN 9 (POST PROJECT) - RAS134 LOGIC1B
FRI, MAR 28 2025 23:32

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -755.7 MW

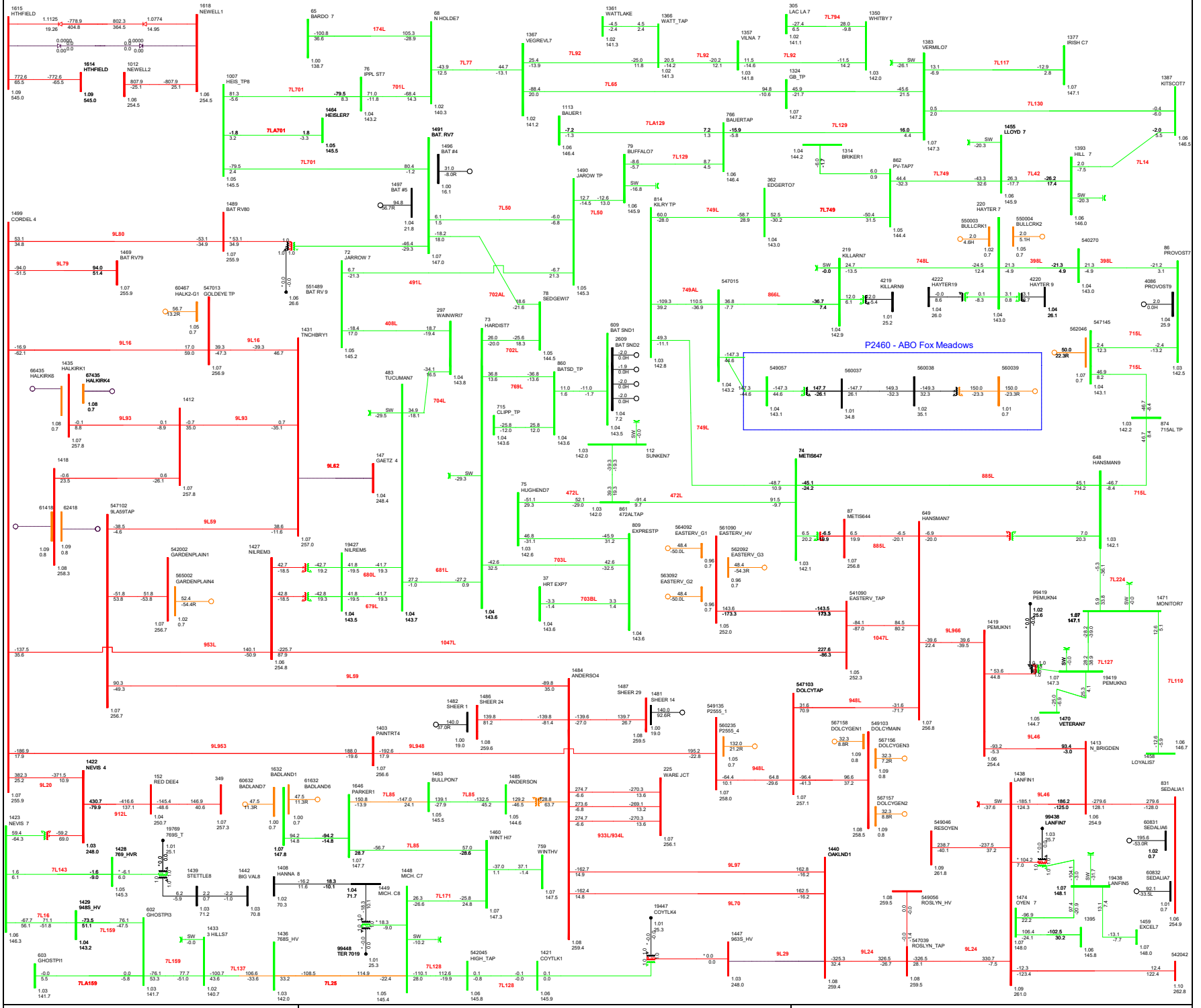
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A9-11-N-1: 7L16-HEARBURG 948S TO NEVIS 766S
SCN 9 (POST PROJECT) - RAS203
FRI, MAR 28 2025 23:15

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -661.9 MW

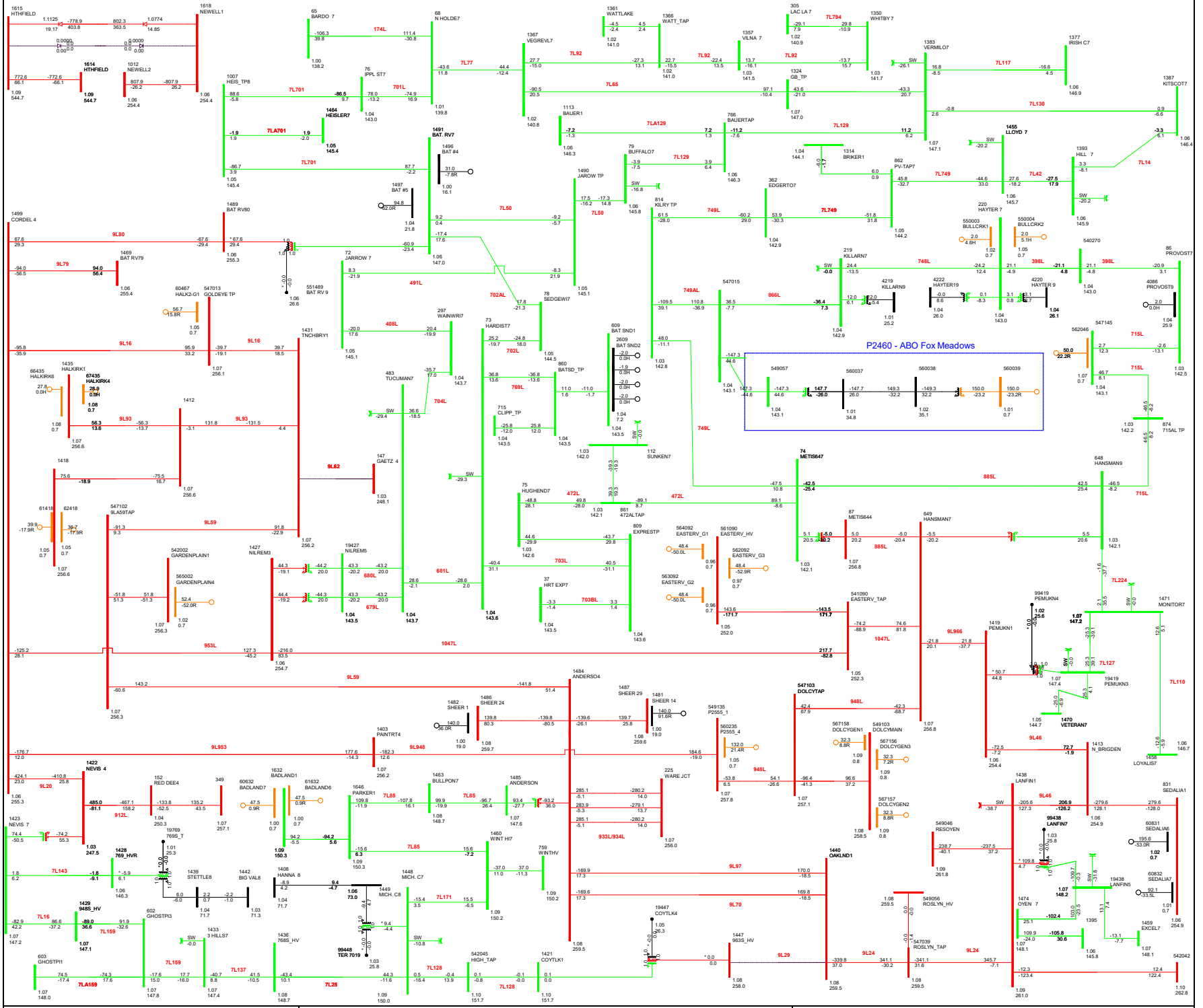
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A9-15-N-1: 9L29-OAKLAND 946S TO COYOTE LAKE 963S
SCN 9 (POST PROJECT) - RAS134 LOGIC3
FRI, MAR 28 2025 23:15

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -747.9 MW

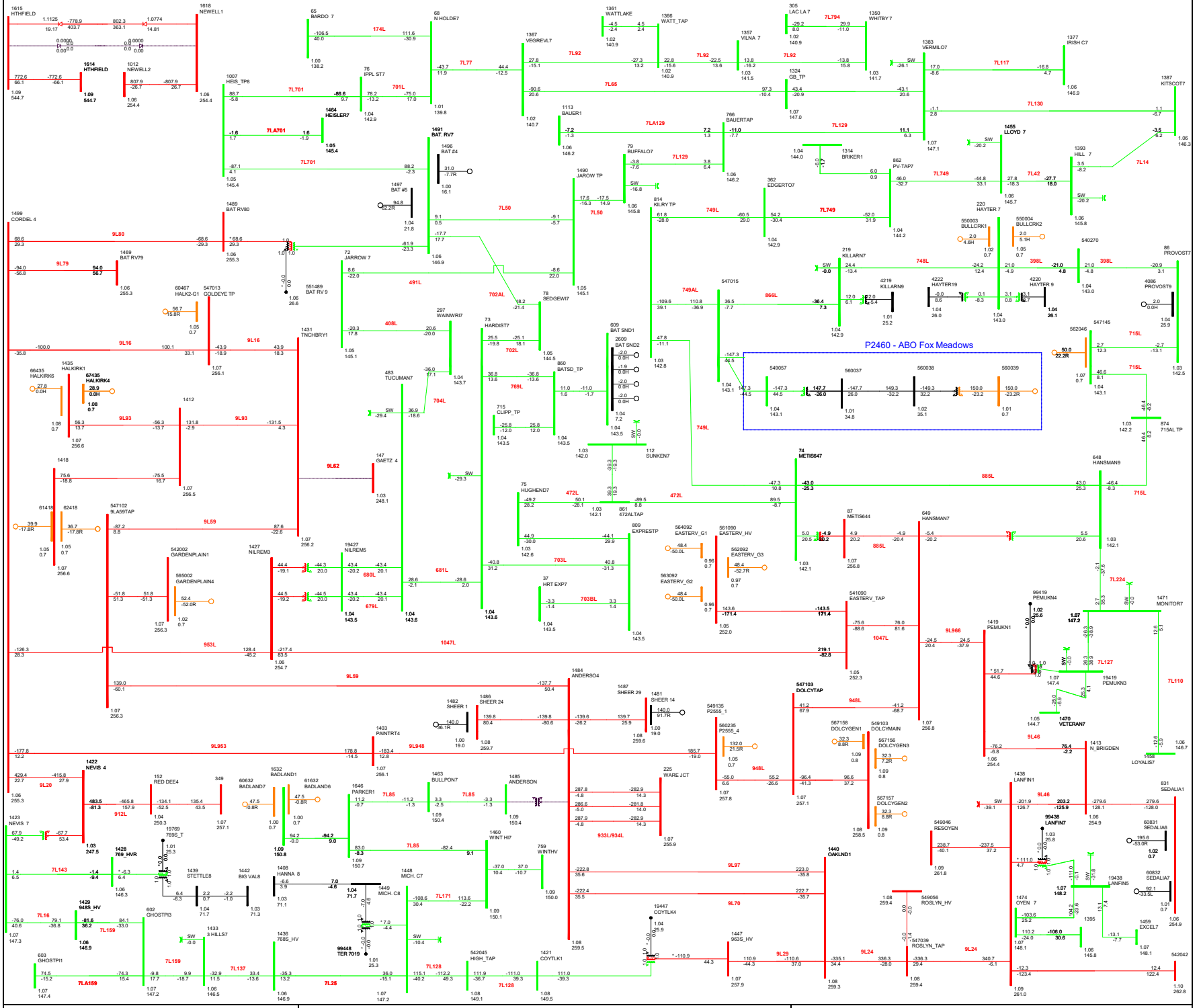
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A9-15B-N-1: 9L29-OAKLAND 946S TO COYOTE LAKE 963S
SCN 9 (POST PROJECT) - RAS200
FRI, MAR 28 2025 23:15

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -754.3 MW

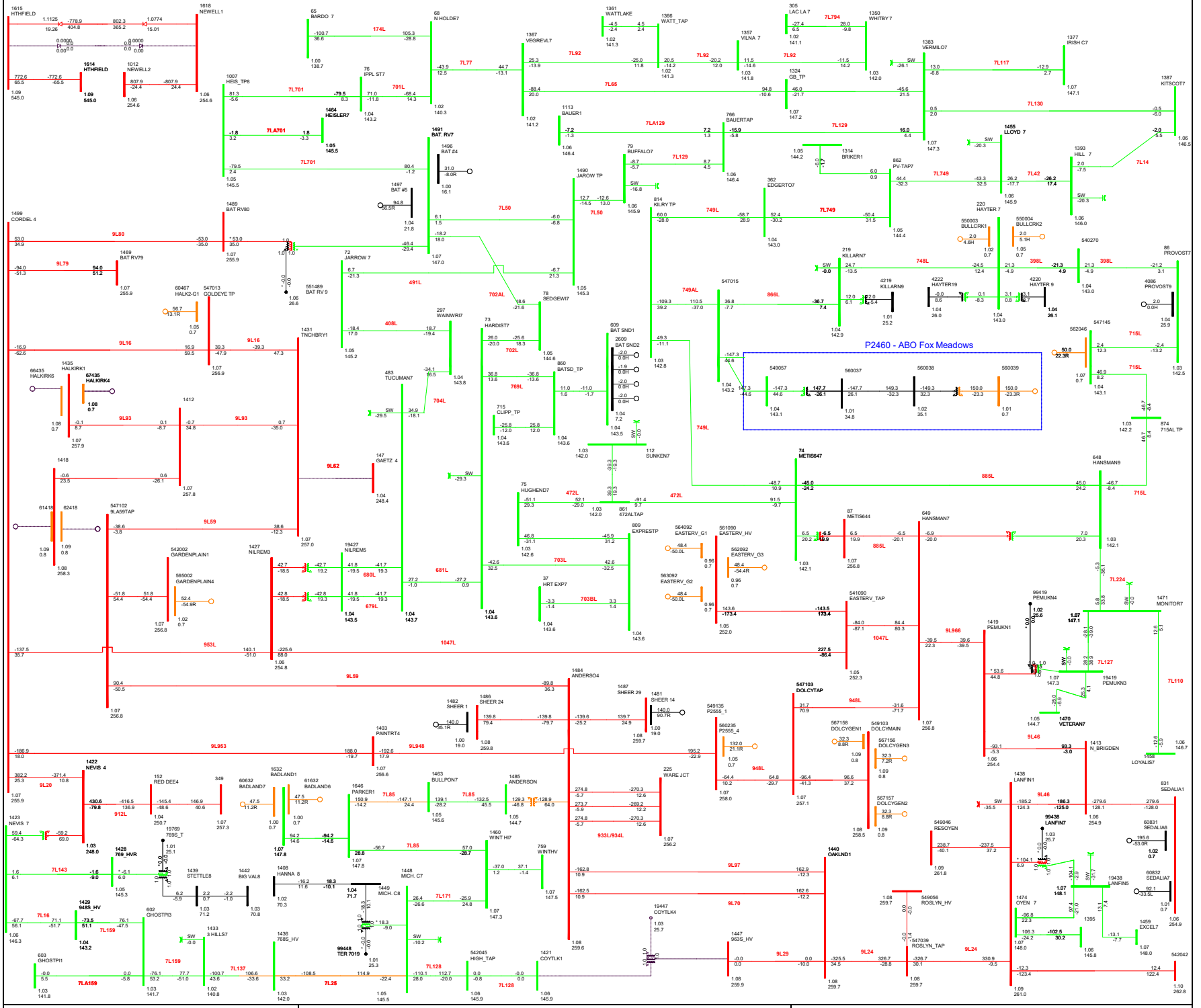
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A9-21-N-1: ANDERSON 801S TRANSFORMER
SCN 9 (POST PROJECT) - RAS203
FRI, MAR 28 2025 23:15

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -661.9 MW

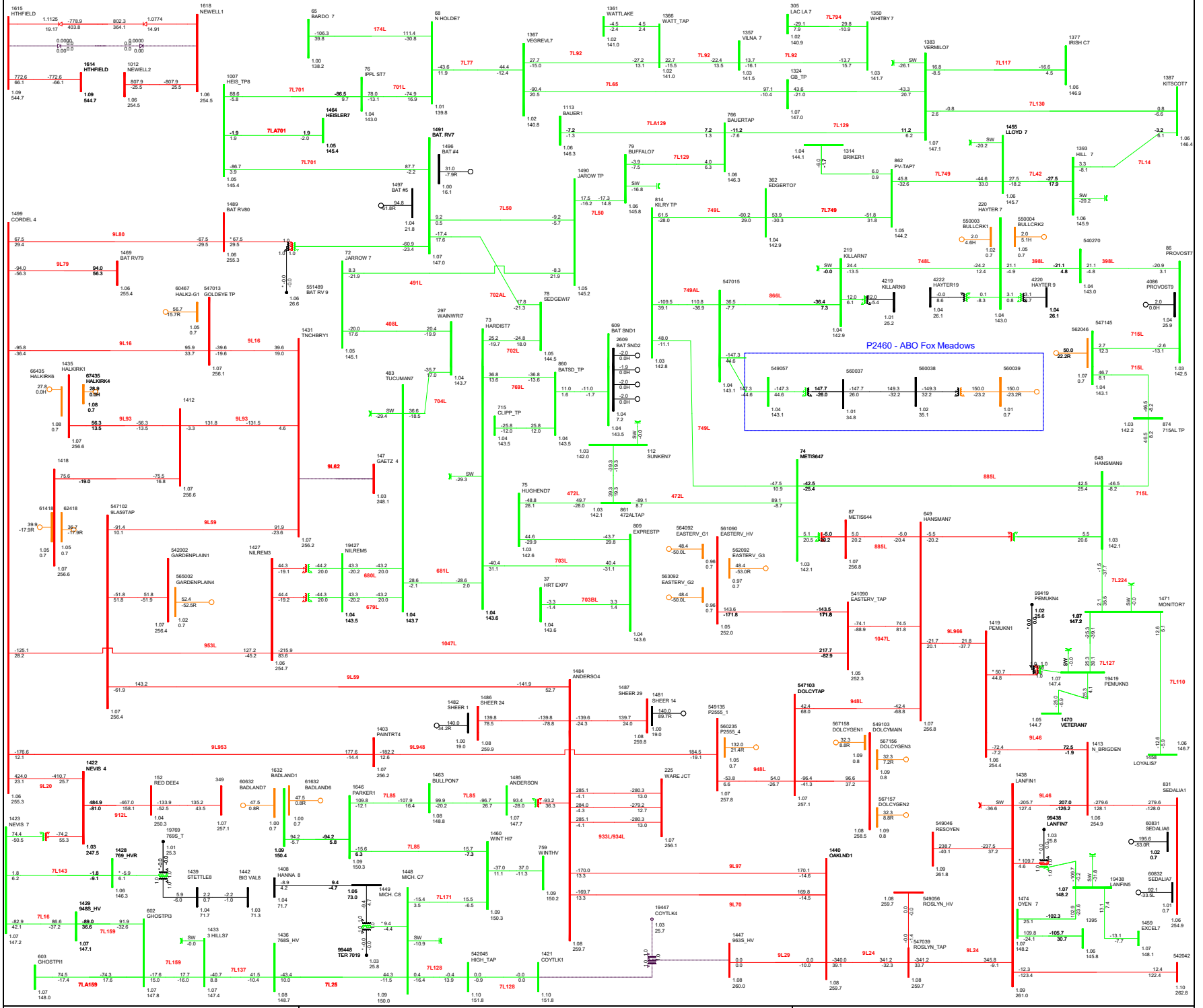
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A9-26-N-1: COYOTE LAKE 963S - 901 TRANSFORMER
SCN 9 (POST PROJECT) - RAS134 LOGIC3
FRI, MAR 28 2025 23:15

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -747.9 MW

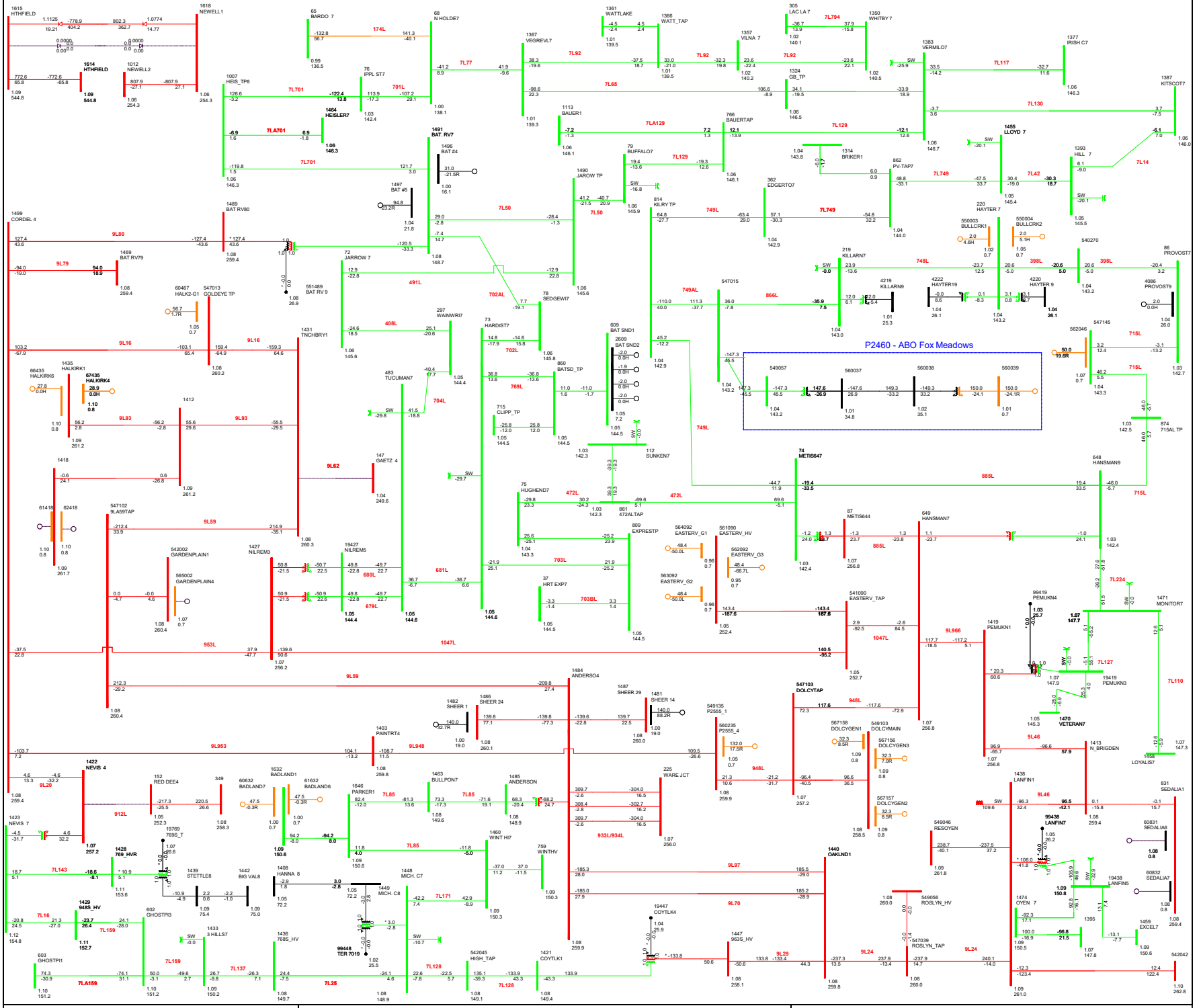
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A9-26B-N-1: COYOTE LAKE 963S - 901 TRANSFORMER
SCN 9 (POST PROJECT) - RAS200
FRI, MAR 28 2025 23:15

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -403.6 MW

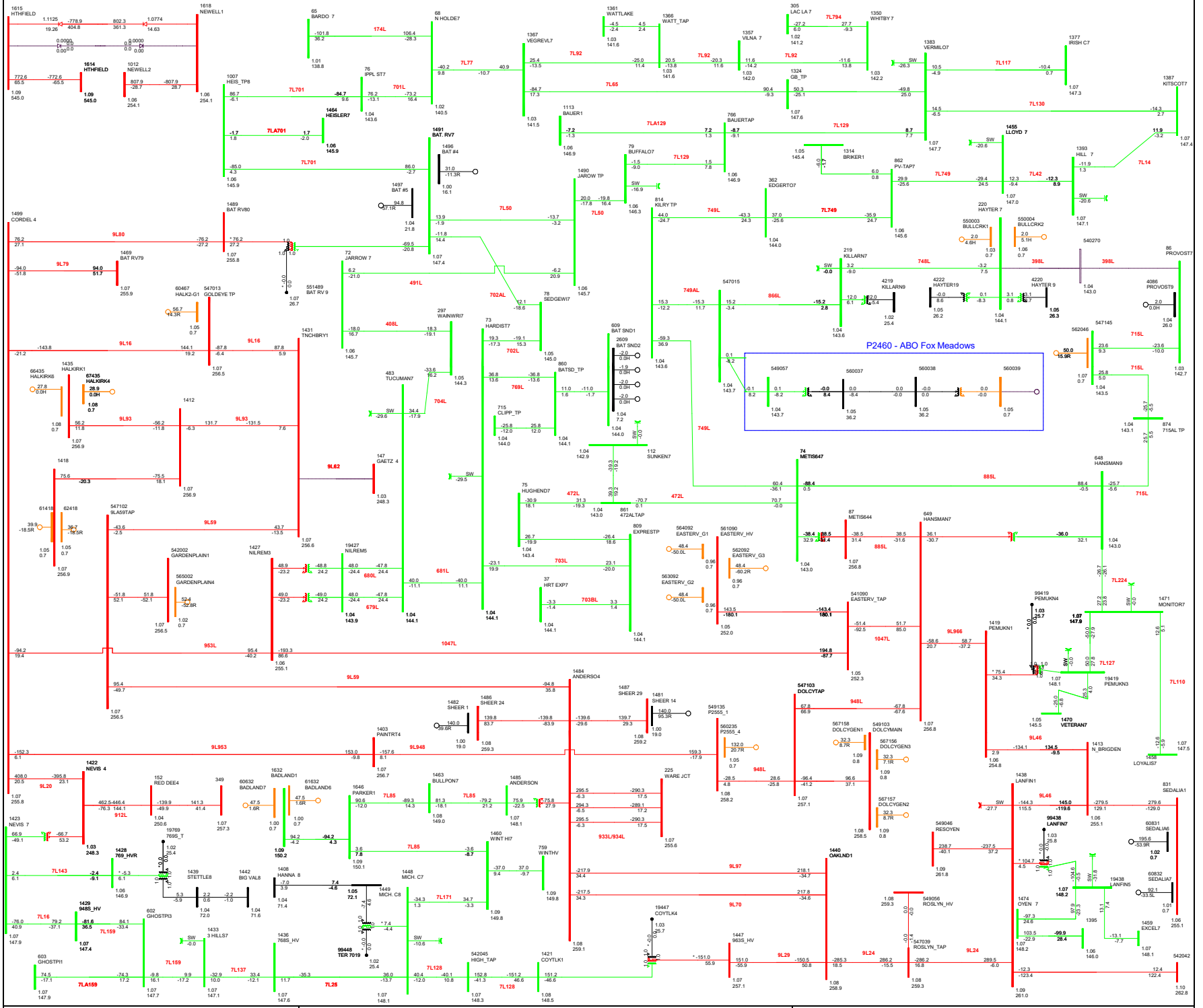
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A9-27-N-1: 912L-NEVIS 766S TO RED DEER 63S
SCN 9 (POST PROJECT) - RAS134 LOGIC 1B
FRI, MAR 28 2025 23:40

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -740.1 MW

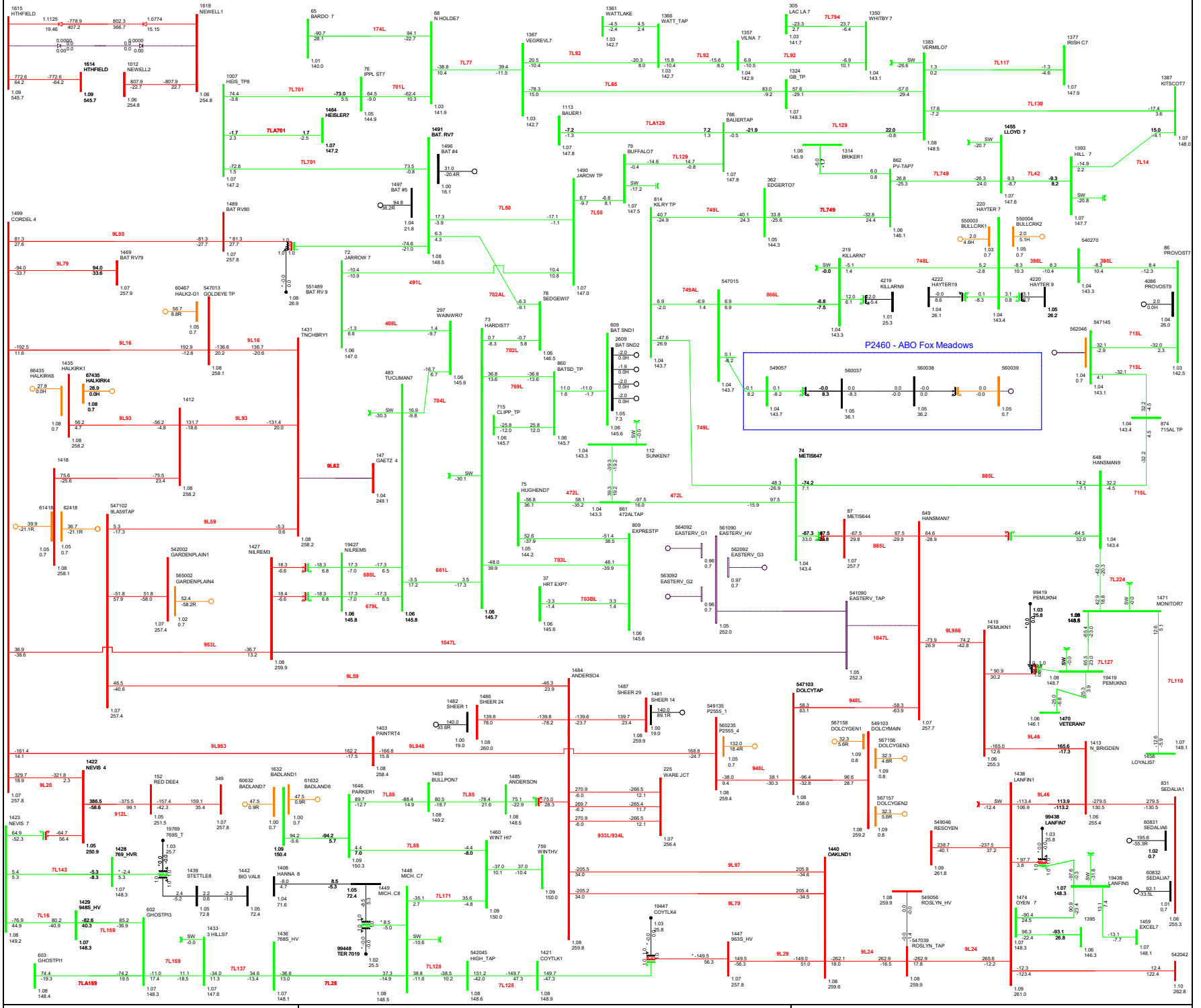
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A9-34-N-1: 398L-PROVOST 544S TO HAYTER 277S
SCN 9 (POST PROJECT) - RAS213
FRI, MAR 28 2025 23:15

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -583.0 MW

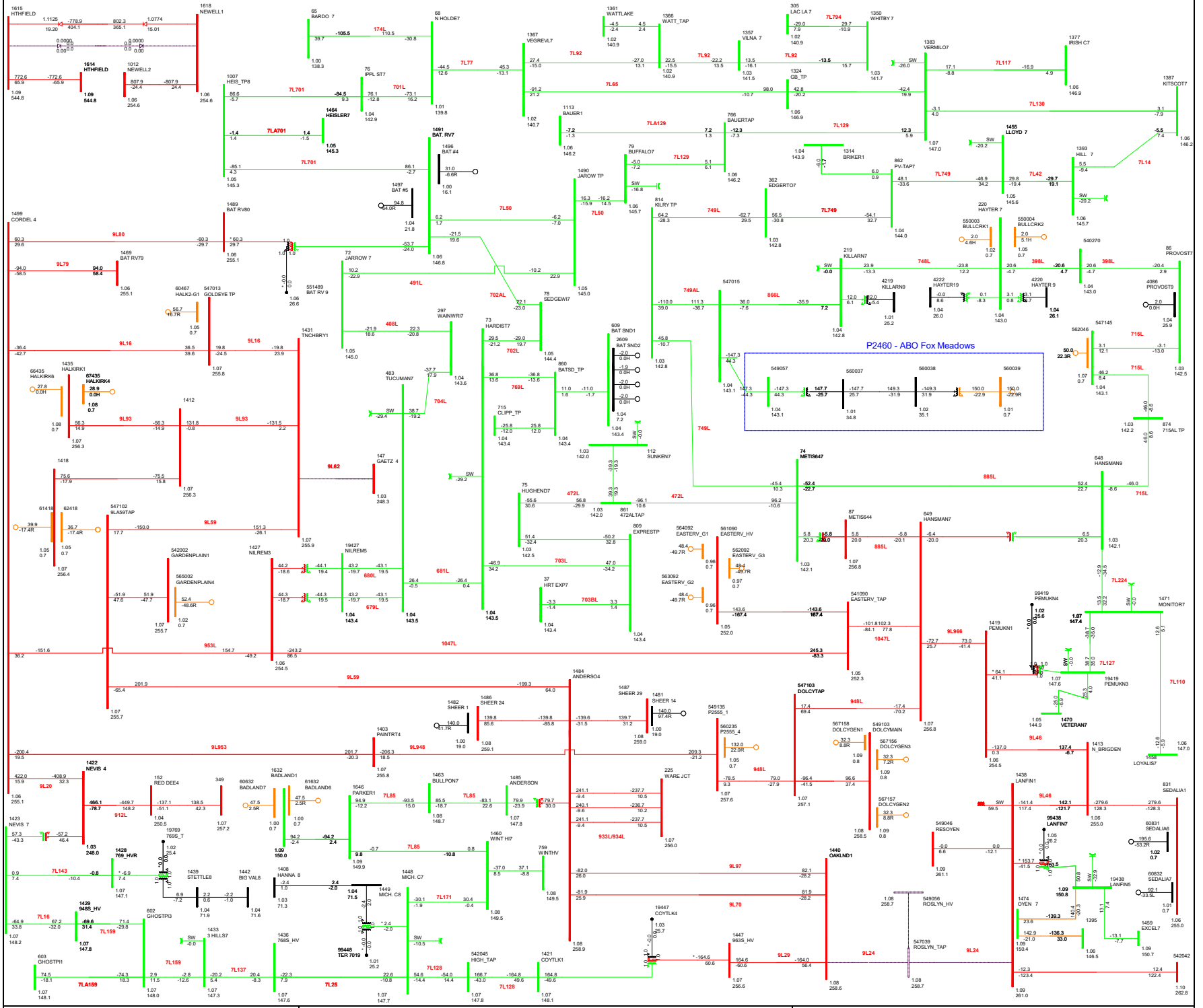
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A9-39-N-1: 1047L-HANSMAN LAKE 650S TO NILREM 574S
SCN 9 (POST PROJECT) - RAS238
FRI, MAR 28 2025 23:15

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -640.5 MW

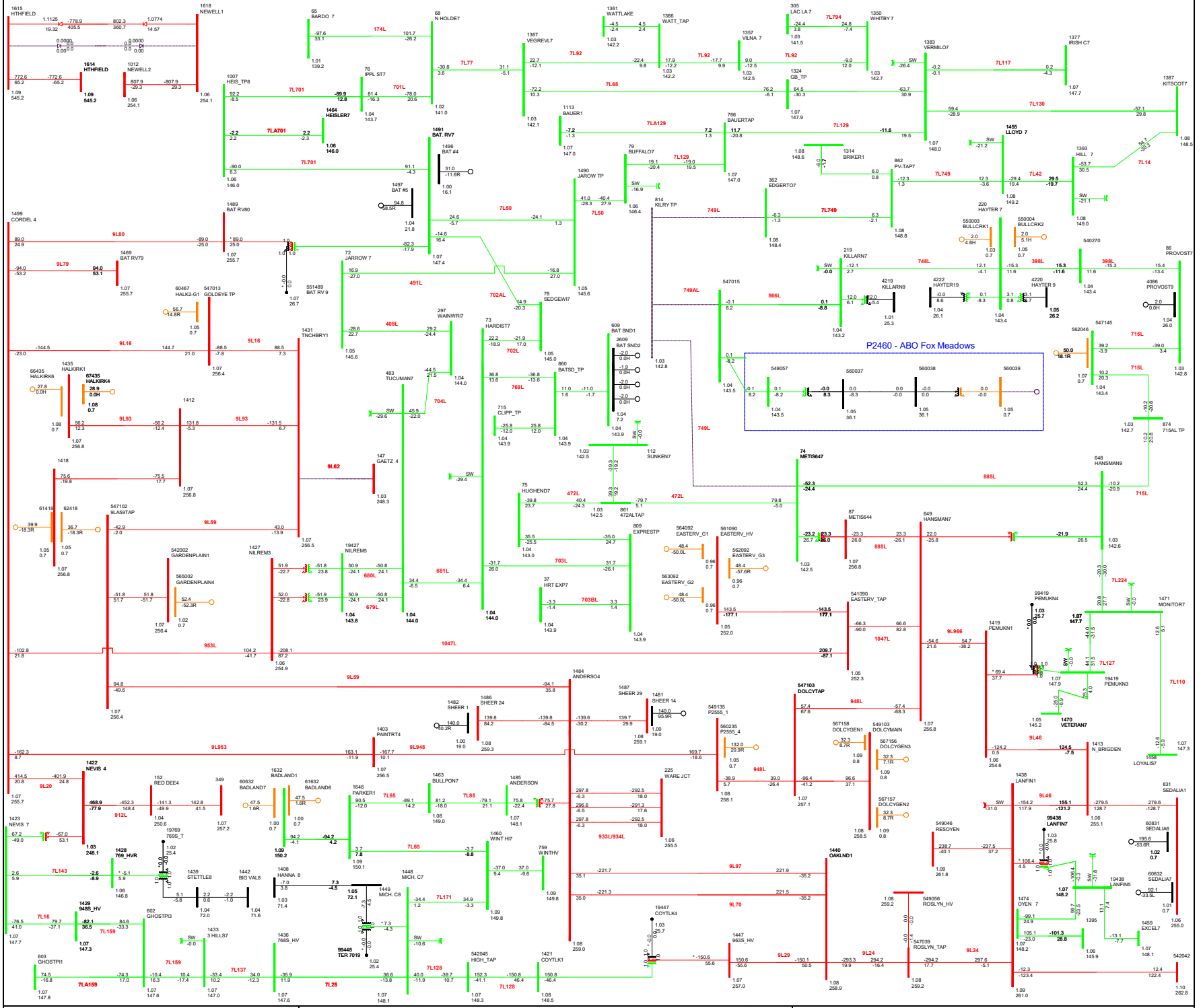
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A9-41-N-1: 9L24-LANFINE 959S TO OAKLAND 946S
SCN 9 (POST PROJECT) - NEWRAS
FRI, MAR 28 2025 23:15

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -737.7 MW

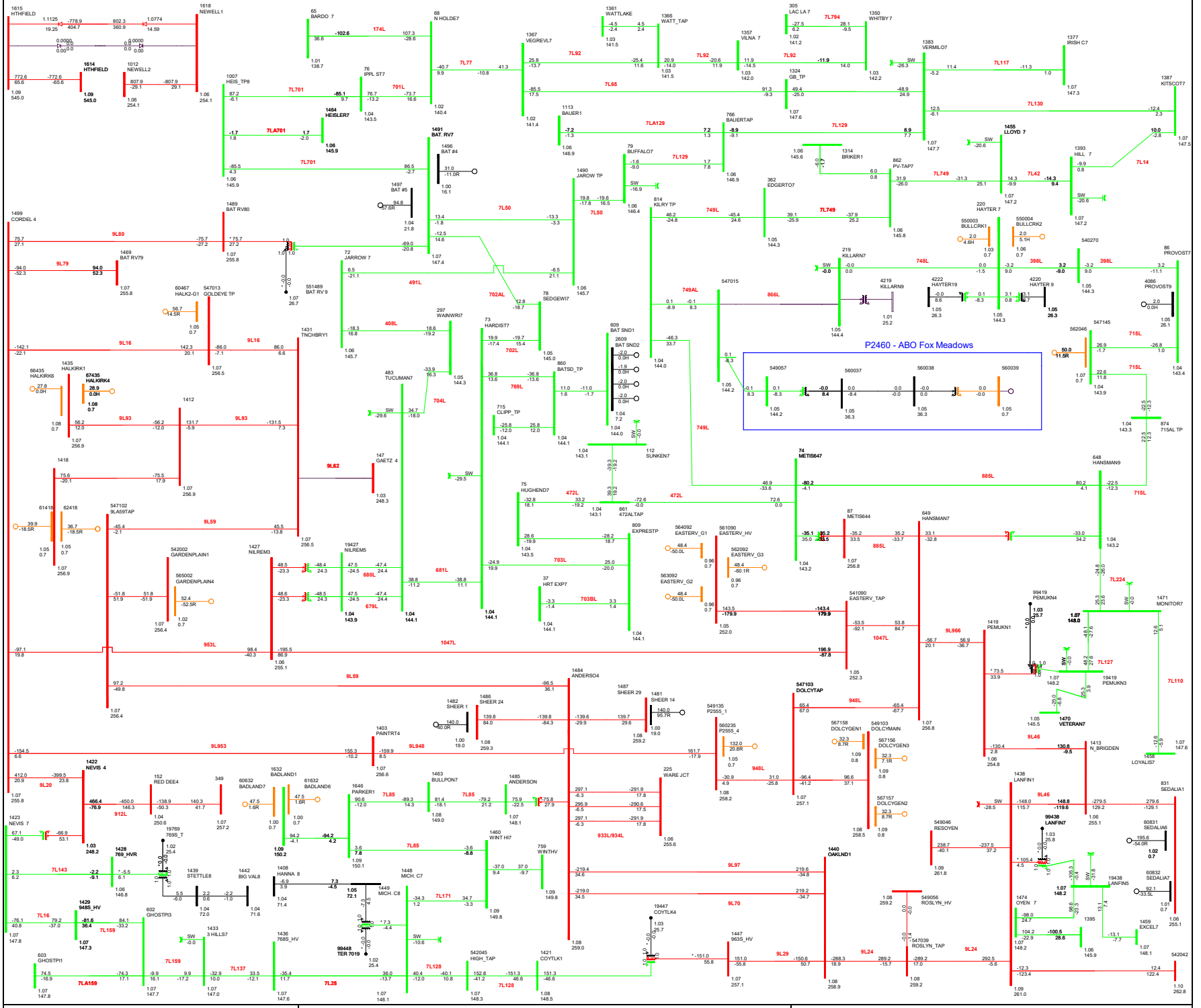
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A9-43-N-1: 749AL-TAP-METISKOW 648S TO EDGERTON 899S
SCN 9 (POST PROJECT) - RAS213
FRI, MAR 28 2025 23:15

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -749.7 MW

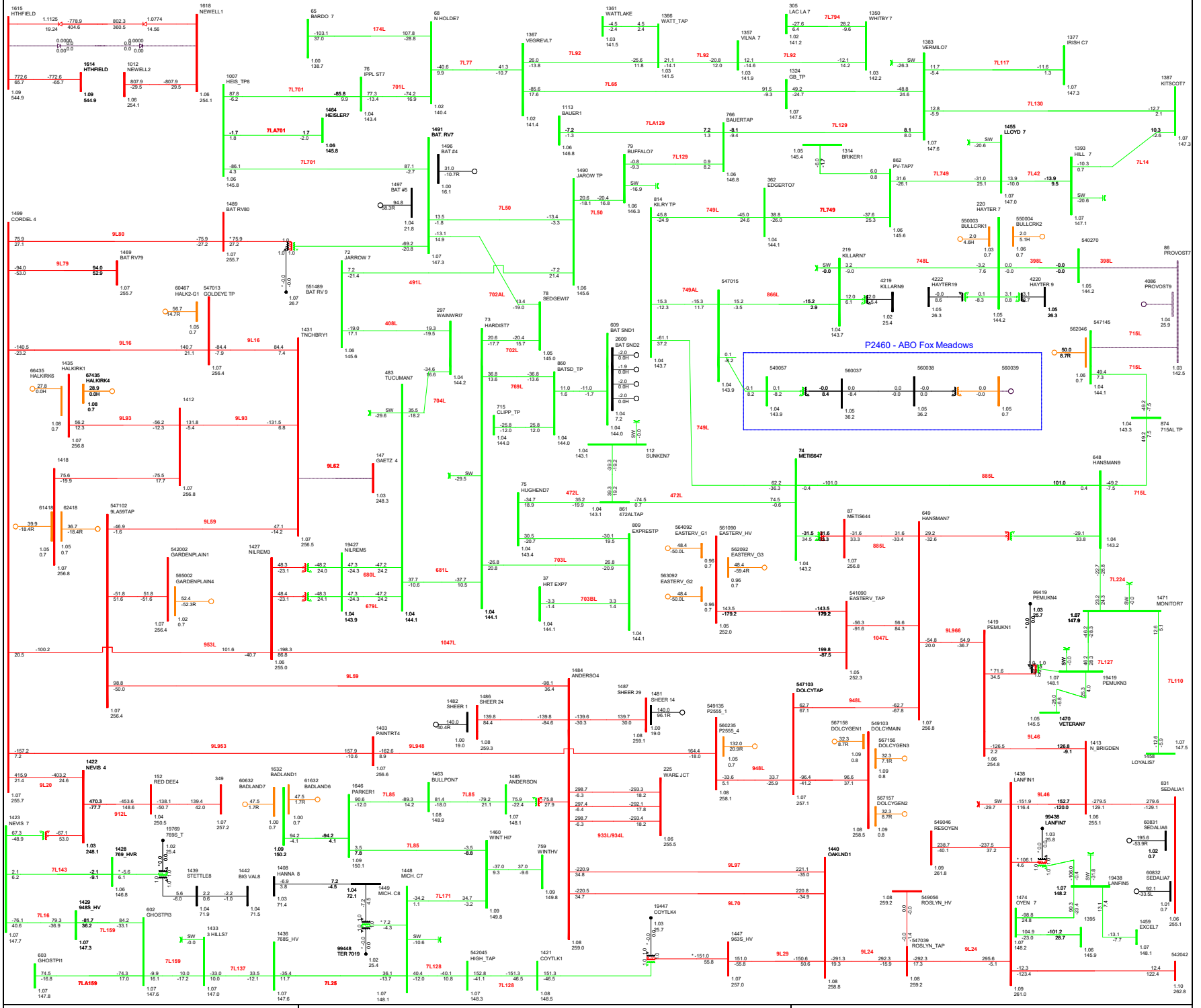
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A9-44-N-1: KILLARNARY 138/25 KV 267ST1 TRANSFORMER
SCN 9 (POST PROJECT) - RAS213
FRI, MAR 28 2025 23:15

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -758.2 MW

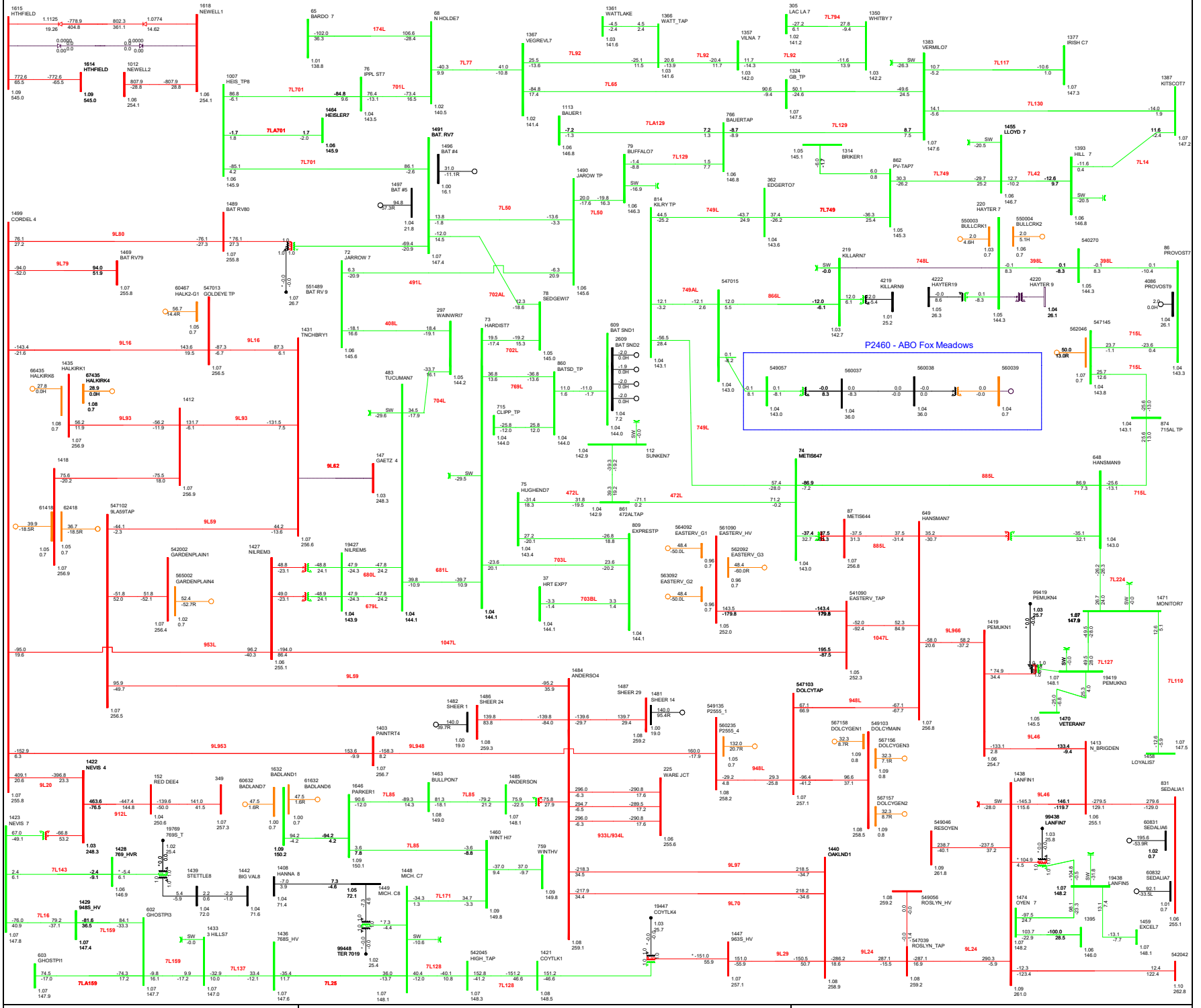
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A9-47-N-1: PROVOST TRANSFORMER 545ST1
SCN 9 (POST PROJECT) - RAS213
FRI, MAR 28 2025 23:15

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -742.7 MW

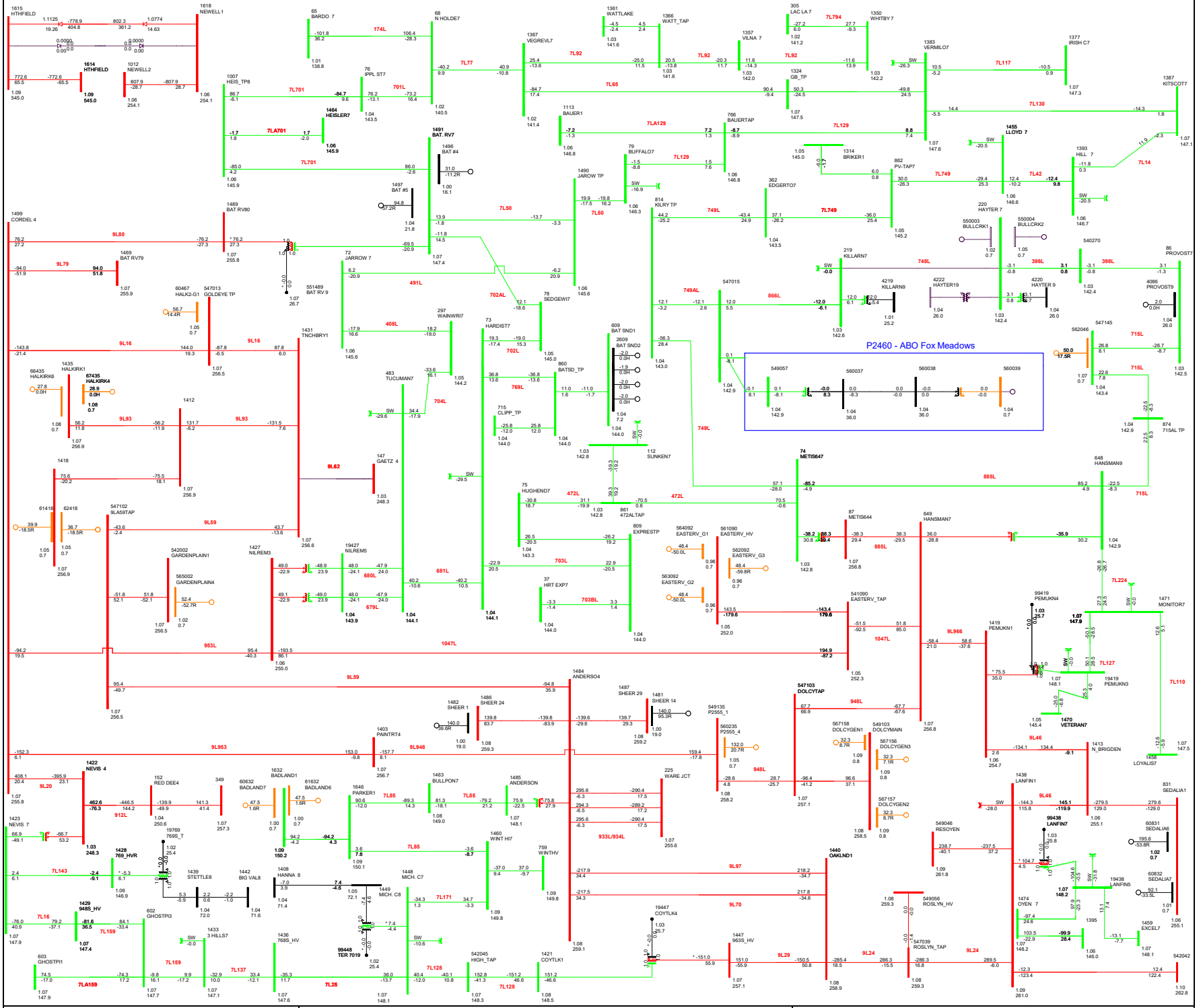
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A9-48-N-1: HAYTER 277S TRANSFORMER1
SCN 9 (POST PROJECT) - RAS213
FRI, MAR 28 2025 23:15

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -740.3 MW

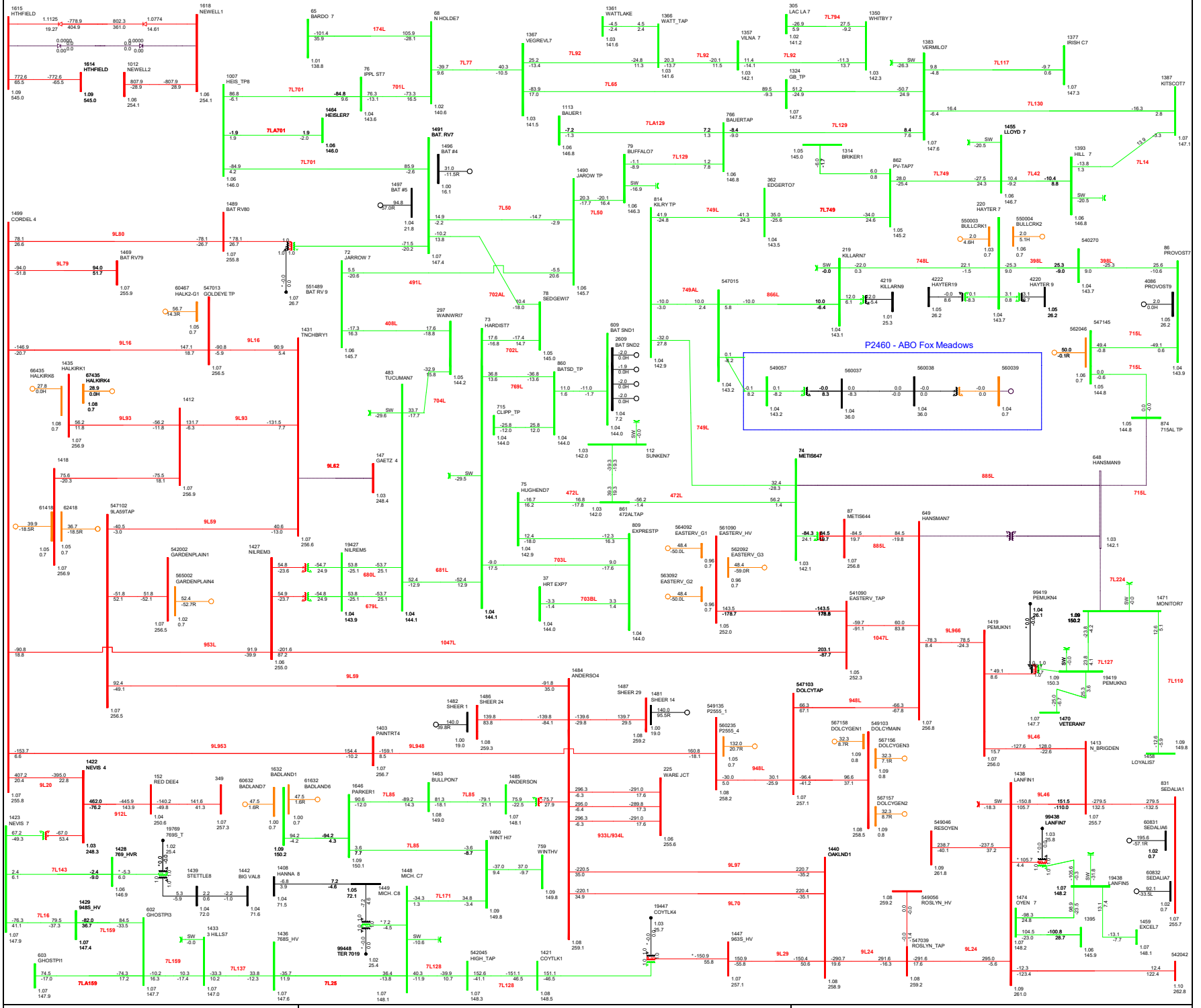
Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A9-49-N-1: HAYTER 277S TRANSFORMER2
SCN 9 (POST PROJECT) - RAS213
FRI, MAR 28 2025 23:21

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000



P2460- ABO Fox Meadows Wind

BC Import: -741.0 MW

Sask Import: 151.2 MW

MATL: 186.2 MW

FIGURE A9-51-N-1: 885L-METISKOW 648S TO HANSMAN 650T1
SCN 9 (POST PROJECT) - RAS213
FRI, MAR 28 2025 23:16

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%RATE1

kV: >0.000 <=0.200 <=0.700 <=69.000 <=138.000 <=240.000 <=500.000 >500.000

Attachment A7
Constraint Effective Factors Table

| 0x10_4000h_Fcc_71000 | | |

| SCHL_2020 (6-Pack Project) | | |