

Identified Transmission Facilities (R1 FAC-501-WECC-AB2-1)



The transmission facilities associated with each of the transmission paths identified by the Alberta Electric System Operator (“AESO”) for the purposes of requirement R1 of Alberta Reliability Standard *FAC-501-WECC-AB2-1, Transmission Maintenance*, are provided below.

Equipment and Facilities to be included in Path 1

For the purposes of requirement R1 of Alberta Reliability Standard FAC-501-WECC-AB2-1, *Transmission Maintenance*, **Path 1** includes the following **transmission facilities**:

1. Lines
 - a) 1201L from AB/BC boundary to 520S Bennett
 - b) 1114L from 102S Langdon to 520S Bennett ;
 - c) 786 L from AB/BC Boundary to 799S Coleman
 - d) 887L from AB/BC Boundary to 48S Pocaterra
 - e) 777L from 48S Pocaterra to 245S Seebe
 - f) 170L from 799S Coleman to 632S Russel

2. 500kV breaker, reactor, switches, PT's, bus work at Bennett 520S;

Substation Equipment:	Lines:
520S1589 500 kV switch	1201L
520S 1201 500kV switch	
520S Tx18437 (R7C)	
520S Tx18438 (R7B)	
520S Tx18439 (R7A)	
520S Tx18440 (R7N)	
520S12 500kV switch	
520S552 500kV breaker	
520S13 500kV switch	
520S1789 500kV switch	
520S 500kv bus	

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3. 500/240kV Transformer and 240kV switch at Bennett 520S;

Substation Equipment:	
520S Tx18414 (T1-2)	
520S Tx18415 (T1-3)	
520S Tx18416 (T1-4)	
520S Tx18413 (T1-1)	
520S25 240kV switch	

4. SVC at Langdon 102S;

Substation Equipment:	
102S2689 240kV switch	
102S132 240kV switch	
102S7552 240kV breaker	
102S133 240kV switch	
102S130 240kV switch	
102S127 240kV switch	
102S7352 240kV breaker	
102S126 240kV switch	

5. 786L West from AB/BC boundary to Coleman 799S;

Substation Equipment:	Lines:
799S1 138kV switch	786 L
799S786W 138kV breaker	
799S25 138kV switch	
799S27 138kV switch	
799S 138kV bus	
799S29 138kV switch	
799S32 138Kv PT	

6. 170L East from Coleman 799S to Russell 632S;

Substation Equipment:	Lines:
799S170E 138kV breaker	170L
799S32 138kV PT	

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799S28 138kV switch	
632S170 138kV Switch	

7. The 138kV bus at 632S and associated PT's;

Substation Equipment:	
632S2 138kV switch	
632S452 138kV breaker	
632S TX18793 (PST)	
632S552 138kV breaker	
632S3 138kV switch	
632S4 138kV switch	
632S152 138kV breaker	
632S5 138kV switch	
632S8 138kV switch	
632S 138kV bus	
632S412 138kV breaker	
632S7 138kV switch	
632S6 138kV PT	
632S15 138kV PT	
632S21 138kV PT	

8. 777L from Pocaterra 48S to Seebe 245S;

Substation Equipment:	Lines:
48S38 138kV switch	887L
48S887X 138kV breaker	786L
48S34 138kV switch	777L
48S777N 138kV switch and HV equipment for PLC associated with 777L which is in series with the line	
245S24 138kV switch	
245S777X 138kV breaker and HV equipment for PLC associated with 777L which is in series with the line	
245S25 138kV switch	
245S11 138kV switch	
245S13 138kV switch	

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245S 138kV south bus	
245S14 138kV switch	
245S25 138kV switch	

Revision History

Effective Date	Description of Changes
2015-01-13	The list of transmission facilities associated with each of the transmission paths identified by identified by the AESO for the purposes of requirement R1 moved to this document and updated to include new Bennett 520S equipment and 632S Russell equipment.