

2018 Loss Factors Effective 1 Jan 2018 (2019-12-31)

Document: Workbook Showing Calculations From Hourly Raw Loss Factors to Final Loss Factors for 2018, in Accordance With Subsection 3(2)(f) of Section 501.10 of ISO Rules, Transmission Loss Factors
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Location (MPID)	Facility Name	Area Name	Number	PSS/E Bus	Final Loss Factor
0000001511	FortisAlberta Reversing POD - Fort Macleod (15S)	Fort Macleod	53	4237	8.71%
0000006511	FortisAlberta Reversing POD - High River (65S)	High River	46	4242	12.00%
0000006711	FortisAlberta Reversing POD - Stirling (67S)	Glenwood	55	4280	5.93%
0000012111	FortisAlberta Reversing POD - Brooks (121S)	Brooks	47	3256	12.00%
0000016301	FortisAlberta DOS - Plains Midstream Canada (163S)	Empress	48	262	3.80%
0000022911	FortisAlberta Reversing POD - Glenwood (229S)	Glenwood	55	4245	7.21%
0000025611	FortisAlberta Reversing POD - Harmattan (256S)	Didsbury	39	124	2.13%
0000027711	FortisAlberta Reversing POD - Hayter (277S)	Provost	37	220	1.61%
0000034911	FortisAlberta Reversing POD - Stavely (349S)	Stavely	49	4235	5.82%
0000038511	FortisAlberta Reversing POD - Spring Coulee (385S)	Glenwood	55	4246	(0.33%)
0000039611	FortisAlberta Reversing POD - Pincher Creek (396S)	Fort Macleod	53	4224	6.22%
0000045411	FortisAlberta Reversing POD - Buck Lake (454S)	Drayton Valley	30	4080	3.80%
0000065911	FortisAlberta Reversing POD - Pegasus (659S)	Swan Hills	26	325	1.04%
0000079301	FortisAlberta DOS - Cochrane EV Partnership (793S)	Seebe	44	191	10.08%
0000089511	FortisAlberta Reversing POD - Suffield (895S)	Medicine Hat	4	3270	(6.15%)
311S033N	ATCO Electric Reversing POD - Elmsworth (731S)	Grande Prairie	20	19134	(12.00%)
321S009N	ATCO Electric Reversing POD - Carmon (830S)	Peace River	19	19083	(9.00%)
321S033	ATCO Electric DOS - Daishowa-Marubeni (839S)	Peace River	19	1088	12.00%
325S009N	ATCO Electric Reversing POD - Hotchkiss (788S)	Peace River	19	19050	(12.00%)
372S025N	ATCO Electric Reversing POD - Lindbergh (969S)	Cold Lake	28	1444	1.23%
AFG1TX	APF Athabasca	Athabasca	27	392	(1.90%)
AKE1	McBride Lake Wind Facility	Fort Macleod	53	901	5.26%
ANC1	Alberta Newsprint	Swan Hills	26	298	(0.12%)
ARD1	Ardenville Wind Facility	Fort Macleod	53	739	4.68%
BAR	Barrier Hydro Facility	Seebe	44	216	0.92%
BCR2	Bear Creek #2	Grande Prairie	20	1142	(12.00%)
BCRK	Bear Creek #1	Grande Prairie	20	1142	(12.00%)
BIG	Bighorn Hydro Facility	Abraham Lake	34	103	2.48%
BPW	Bearspaw Hydro Facility	Seebe	44	184	0.57%
BR3	Battle River #3	Alliance	36	1491	8.43%
BR4	Battle River #4	Alliance	36	1491	7.25%
BR5	Battle River #5	Alliance	36	1469	4.89%
BRA	Brazeau Hydro Facility	Drayton Valley	30	153	3.75%
BSR1	Blackspring Ridge Wind Facility	Stavely	49	736	4.36%
BTR1	Blue Trail Wind Facility	Fort Macleod	53	328	4.54%
CAS	Cascade Hydro Facility	Seebe	44	175	(0.58%)
CES1/CES2	Calgary Energy Centre	Calgary	6	187	2.30%
CHIN	Chin Chute Hydro Facility	Lethbridge	54	406	1.82%
CL01	Cenovus Christina Lake Industrial System	Fort McMurray	25	879	5.57%
CMH1	City of Medicine Hat	Medicine Hat	4	976	4.42%
CNR5	CNRL Horizon Industrial System	Fort McMurray	25	1263	3.85%
CR1	Castle River #1 Wind Facility	Fort Macleod	53	234	4.60%
CRE3	Cowley Ridge Wind Facility	Fort Macleod	53	264	6.48%
CRR1	Castle Rock Wind Facility	Fort Macleod	53	221	4.61%
CRS1	Crossfield Energy Centre #1	Airdrie	57	503	5.12%
CRS2	Crossfield Energy Centre #2	Airdrie	57	503	4.92%
CRS3	Crossfield Energy Centre #3	Airdrie	57	503	5.16%
DAI1	Daishowa-Marubeni	Peace River	19	1089	(11.40%)
DOWGEN15M	Dow Hydrocarbon Industrial Complex	Fort Saskatchewan	33	61	4.80%
DRW1	Drywood #1	Glenwood	55	4226	4.24%
EAGL	Whitecourt Power	Swan Hills	26	410	(2.90%)
EC01	Cavalier	Strathmore	45	340	1.93%
EC04	Foster Creek Industrial System	Cold Lake	28	1301	5.98%
EGC1	Shepard	Calgary	6	772	2.43%
ENC1	Clover Bar #1	Edmonton	60	516	4.44%
ENC2	Clover Bar #2	Edmonton	60	516	4.34%
ENC3	Clover Bar #3	Edmonton	60	516	4.47%
FH1	Fort Hills Industrial System	Fort McMurray	25	1612	3.14%

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FNG1	Fort Nelson	Rainbow Lake	17	20000	(12.00%)
GHO	Ghost Hydro Facility	Seebe	44	180	0.43%
GN1	Genesee #1	Lake Wabamun	40	525	4.77%
GN2	Genesee #2	Lake Wabamun	40	525	4.79%
GN3	Genesee #3	Lake Wabamun	40	525	4.74%
GPEC	Grande Prairie EcoPower	Grande Prairie	20	1101	(12.00%)
GWW1	Soderglen Wind Facility	Fort Macleod	53	358	4.88%
HAL1	Halkirk Wind Facility	Hanna	42	1435	5.96%
HRM	H. R. Milner	Grande Cache	22	1147	(11.63%)
HSH	Horseshoe Hydro Facility	Seebe	44	171	0.68%
IEW1	Summerview 1 Wind Facility	Fort Macleod	53	336	5.23%
IEW2	Summerview 2 Wind Facility	Fort Macleod	53	336	5.44%
INT	Interlakes Hydro Facility	Seebe	44	376	4.72%
IOR1	Cold Lake Industrial System	Cold Lake	28	1303	1.68%
IOR3	Kearl Oil Sands Industrial System	Fort McMurray	25	1610	3.80%
KAN	Kananaskis Hydro Facility	Seebe	44	193	0.66%
KH1	Keephills #1	Lake Wabamun	40	420	5.78%
KH2	Keephills #2	Lake Wabamun	40	420	5.77%
KH3	Keephills #3	Lake Wabamun	40	510	4.63%
KHW1	Kettles Hill Wind Facility	Fort Macleod	53	402	4.80%
MEG1	MEG Christina Lake Industrial System	Fort McMurray	25	405	2.50%
MKR1	Muskeg River Industrial System	Fort McMurray	25	1236	4.27%
MKRC	MacKay River Industrial System	Fort McMurray	25	1274	2.96%
NEP1	Ghost Pine Wind Facility	Hanna	42	603	5.73%
NOVAGEN15M	Joffre Industrial System	Red Deer	35	383	2.46%
NPP1	Northern Prairie Power Project	Grande Prairie	20	1118	(12.00%)
NRG3	NRGreen	Swan Hills	26	1674	(3.59%)
NX01	Nexen Inc. #1	Calgary	6	198	1.59%
NX02	Nexen Inc. #2	Fort McMurray	25	1241	4.48%
OMRH	Oldman River Hydro Facility	Fort Macleod	53	230	3.39%
OWF1	Oldman 2 Wind Facility	Fort Macleod	53	543	4.88%
PH1	Poplar Hill #1	Grande Prairie	20	1118	(12.00%)
POC	Pocaterra Hydro Facility	Seebe	44	329	2.11%
PR1	Primrose #1	Cold Lake	28	800	5.47%
RB5	Rainbow #5	Rainbow Lake	17	83	(12.00%)
RUN	Rundle Hydro Facility	Seebe	44	195	0.49%
RYMD	Raymond Reservoir Hydro Facility	Glenwood	55	413	4.30%
SCL1	Syncrude Industrial System	Fort McMurray	25	1200	4.83%
SCR1	Suncor Industrial System	Fort McMurray	25	1200	0.46%
SCR2	Magrath Wind Facility	Glenwood	55	251	4.10%
SCR3	Chin Chute Wind Facility	Lethbridge	54	389	2.61%
SCR4	Wintering Hills Wind Facility	Sheerness	43	759	7.49%
SCTG	Scotford Industrial System	Fort Saskatchewan	33	43	4.61%
SD3	Sundance #3	Lake Wabamun	40	135	4.24%
SD4	Sundance #4	Lake Wabamun	40	135	2.51%
SD5	Sundance #5	Lake Wabamun	40	135	4.09%
SD6	Sundance #6	Lake Wabamun	40	135	2.36%
SH1	Sheerness #1	Sheerness	43	1481	6.16%
SH2	Sheerness #2	Sheerness	43	1486	6.43%
SHCG	Shell Caroline	Caroline	38	370	1.77%
SLP1	Slave Lake Pulp	High Prairie	21	1230	(12.00%)
SPR	Spray Hydro Facility	Seebe	44	310	0.00%
TAB1	Taber Wind Facility	Vauxhall	52	343	0.51%
TAY1	Taylor Hydro Facility	Glenwood	55	693	3.46%
TC01	Carseland Industrial System	Strathmore	45	5251	2.07%
TC02	Redwater Industrial System	Fort Saskatchewan	33	50	4.02%
THS	Three Sisters Hydro Plant	Seebe	44	379	2.25%
VVW1	Valleyview #1	Valleyview	23	1172	(6.23%)

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VVW2	Valleyview #2	Valleyview	23	1172	(4.75%)
WEY1	Weyerhaeuser	Grande Prairie	20	1140	(12.00%)
BCHEXP	Alberta-BC Intertie - Export	WSCC	15	1520	1.90%
BCHIMP	Alberta-BC Intertie - Import	WSCC	15	1520	7.86%
MTEXP	Alberta-Montana Intertie - Export	Glenwood	55	80000	—
120SIMP	Alberta-Montana Intertie - Import	Glenwood	55	80000	4.68%
SPCEXP	Alberta-Saskatchewan Intertie - Export	Empress	48	1473	2.19%
SPCIMP	Alberta-Saskatchewan Intertie - Import	Empress	48	1473	5.93%