

### 2017 Loss Factors Effective 1 Jan 2017 (2020-03-30)

Document: Workbook Showing Calculations From Hourly Raw Loss Factors to Final Loss Factors for 2017, in Accordance With Subsection 3(2)(f) of Section 501.10 of ISO Rules, Transmission Loss Factors  
 Effective: January 1, 2017 – December 31, 2017  
 Version: Public — 30 March 2020

Location (MPID)	Facility Name	Area Name	Number	PSS/E Bus	Final Loss Factor
0000001511	FortisAlberta Reversing POD - Fort Macleod (15S)	Fort Macleod	53	4237	2.22%
0000006511	FortisAlberta Reversing POD - High River (65S)	High River	46	4242	(12.00%)
0000006711	FortisAlberta Reversing POD - Stirling (67S)	Glenwood	55	4280	(0.28%)
0000012111	FortisAlberta Reversing POD - Brooks (121S)	Brooks	47	3256	3.58%
0000022911	FortisAlberta Reversing POD - Glenwood (229S)	Glenwood	55	4245	5.12%
0000025611	FortisAlberta Reversing POD - Harmattan (256S)	Didsbury	39	124	(0.36%)
0000027711	FortisAlberta Reversing POD - Hayter (277S)	Provost	37	220	(5.45%)
0000028511	FortisAlberta Reversing POD - East Camrose (285S)	Wetaskiwin	31	4070	(12.00%)
0000034911	FortisAlberta Reversing POD - Stavely (349S)	Stavely	49	4235	(12.00%)
0000038511	FortisAlberta Reversing POD - Spring Coulee (385S)	Glenwood	55	4246	0.94%
0000039611	FortisAlberta Reversing POD - Pincher Creek (396S)	Fort Macleod	53	4224	3.90%
0000045411	FortisAlberta Reversing POD - Buck Lake (454S)	Drayton Valley	30	4080	3.58%
0000065911	FortisAlberta Reversing POD - Pegasus (659S)	Swan Hills	26	325	1.20%
0000079301	FortisAlberta DOS - Cochrane EV Partnership (793S)	Seebe	44	191	9.42%
0000089511	FortisAlberta Reversing POD - Suffield (895S)	Medicine Hat	4	3270	3.58%
311S033N	ATCO Electric Reversing POD - Elmsworth (731S)	Grande Prairie	20	19134	(12.00%)
321S009N	ATCO Electric Reversing POD - Carmon (830S)	Peace River	19	19083	(8.85%)
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	(1.88%)
AFG1TX	APF Athabasca	Athabasca	27	392	0.34%
AKE1	McBride Lake Wind Facility	Fort Macleod	53	901	3.34%
ANC1	Alberta Newsprint	Swan Hills	26	298	2.20%
ARD1	Ardenville Wind Facility	Fort Macleod	53	739	3.61%
BAR	Barrier Hydro Facility	Seebe	44	216	(1.01%)
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	0.38%
BPW	Bearspaw Hydro Facility	Seebe	44	184	(1.47%)
BR3	Battle River #3	Alliance	36	1491	4.79%
BR4	Battle River #4	Alliance	36	1491	4.03%
BR5	Battle River #5	Alliance	36	1469	3.70%
BRA	Brazeau Hydro Facility	Drayton Valley	30	153	1.24%
BSR1	Blackspring Ridge Wind Facility	Stavely	49	736	2.96%
BTR1	Blue Trail Wind Facility	Fort Macleod	53	328	3.48%
CAS	Cascade Hydro Facility	Seebe	44	175	(1.80%)
CES1/CES2	Calgary Energy Centre	Calgary	6	187	0.65%
CHIN	Chin Chute Hydro Facility	Lethbridge	54	406	(0.19%)
CL01	Cenovus Christina Lake Industrial System	Fort McMurray	25	879	5.28%
CMH1	City of Medicine Hat	Medicine Hat	4	976	1.78%
CNR5	CNRL Horizon Industrial System	Fort McMurray	25	1263	6.97%
CR1	Castle River #1 Wind Facility	Fort Macleod	53	234	3.54%
CRE3	Cowley Ridge Wind Facility	Fort Macleod	53	264	4.81%
CRR1	Castle Rock Wind Facility	Fort Macleod	53	221	3.44%
CRS1	Crossfield Energy Centre #1	Airdrie	57	503	3.79%
CRS2	Crossfield Energy Centre #2	Airdrie	57	503	3.98%
CRS3	Crossfield Energy Centre #3	Airdrie	57	503	3.92%
DAI1	Daishowa-Marubeni	Peace River	19	1089	(12.00%)
DOWGEN15M	Dow Hydrocarbon Industrial Complex	Fort Saskatchewan	33	61	3.83%
DRW1	Drywood #1	Glenwood	55	4226	(2.56%)
EAGL	Whitecourt Power	Swan Hills	26	410	(1.58%)
EC01	Cavalier	Strathmore	45	340	1.05%
EC04	Foster Creek Industrial System	Cold Lake	28	1301	5.29%
EGC1	Shepard	Calgary	6	772	1.49%
ENC1	Clover Bar #1	Edmonton	60	516	3.14%
ENC2	Clover Bar #2	Edmonton	60	516	3.07%
ENC3	Clover Bar #3	Edmonton	60	516	3.04%
FH1	Fort Hills Industrial System	Fort McMurray	25	1612	5.36%

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FNG1	Fort Nelson	Rainbow Lake	17	20000	(12.00%)
GHO	Ghost Hydro Facility	Seebe	44	180	(1.52%)
GN1	Genesee #1	Lake Wabamun	40	525	4.29%
GN2	Genesee #2	Lake Wabamun	40	525	4.21%
GN3	Genesee #3	Lake Wabamun	40	525	4.17%
GPEC	Grande Prairie EcoPower	Grande Prairie	20	1101	(12.00%)
GWW1	Soderglen Wind Facility	Fort Macleod	53	358	3.72%
HAL1	Halkirk Wind Facility	Hanna	42	1435	3.70%
HRM	H. R. Milner	Grande Cache	22	1147	(12.00%)
HSH	Horseshoe Hydro Facility	Seebe	44	171	(1.67%)
IEW1	Summerview 1 Wind Facility	Fort Macleod	53	336	4.24%
IEW2	Summerview 2 Wind Facility	Fort Macleod	53	336	4.41%
INT	Interlakes Hydro Facility	Seebe	44	376	1.42%
IOR1	Cold Lake Industrial System	Cold Lake	28	1303	2.03%
IOR3	Kearl Oil Sands Industrial System	Fort McMurray	25	1610	3.58%
KAN	Kananaskis Hydro Facility	Seebe	44	193	(1.62%)
KH1	Keephills #1	Lake Wabamun	40	420	5.05%
KH2	Keephills #2	Lake Wabamun	40	420	4.97%
KH3	Keephills #3	Lake Wabamun	40	510	4.25%
KHW1	Kettles Hill Wind Facility	Fort Macleod	53	402	3.67%
MEG1	MEG Christina Lake Industrial System	Fort McMurray	25	405	4.11%
MKR1	Muskeg River Industrial System	Fort McMurray	25	1236	6.44%
MKRC	MacKay River Industrial System	Fort McMurray	25	1274	5.19%
NEP1	Ghost Pine Wind Facility	Hanna	42	603	4.11%
NOVAGEN15M	Joffre Industrial System	Red Deer	35	383	1.23%
NPP1	Northern Prairie Power Project	Grande Prairie	20	1118	(12.00%)
NRG3	NRGreen	Swan Hills	26	1674	(3.07%)
NX01	Nexen Inc. #1	Calgary	6	198	0.33%
NX02	Nexen Inc. #2	Fort McMurray	25	1241	6.25%
OMRH	Oldman River Hydro Facility	Fort Macleod	53	230	1.88%
OWF1	Oldman 2 Wind Facility	Fort Macleod	53	543	3.73%
PH1	Poplar Hill #1	Grande Prairie	20	1118	(12.00%)
POC	Pocaterra Hydro Facility	Seebe	44	329	0.95%
PR1	Primrose #1	Cold Lake	28	800	3.74%
RB5	Rainbow #5	Rainbow Lake	17	83	(12.00%)
RUN	Rundle Hydro Facility	Seebe	44	195	(1.82%)
RYMD	Raymond Reservoir Hydro Facility	Glenwood	55	413	2.50%
SCL1	Syncrude Industrial System	Fort McMurray	25	1200	7.57%
SCR1	Suncor Industrial System	Fort McMurray	25	1200	2.80%
SCR2	Magrath Wind Facility	Glenwood	55	251	2.72%
SCR3	Chin Chute Wind Facility	Lethbridge	54	389	1.42%
SCR4	Wintering Hills Wind Facility	Sheerness	43	759	4.93%
SCTG	Scotford Industrial System	Fort Saskatchewan	33	43	2.71%
SD1	Sundance #1	Lake Wabamun	40	135	5.12%
SD2	Sundance #2	Lake Wabamun	40	135	5.14%
SD3	Sundance #3	Lake Wabamun	40	135	5.10%
SD4	Sundance #4	Lake Wabamun	40	135	5.06%
SD5	Sundance #5	Lake Wabamun	40	135	4.97%
SD6	Sundance #6	Lake Wabamun	40	135	4.94%
SH1	Sheerness #1	Sheerness	43	1481	4.14%
SH2	Sheerness #2	Sheerness	43	1486	3.93%
SHCG	Shell Caroline	Caroline	38	370	(5.32%)
SLP1	Slave Lake Pulp	High Prairie	21	1230	(12.00%)
SPR	Spray Hydro Facility	Seebe	44	310	(1.75%)
TAB1	Taber Wind Facility	Vauxhall	52	343	(0.21%)
TAY1	Taylor Hydro Facility	Glenwood	55	693	1.35%
TC01	Carseland Industrial System	Strathmore	45	5251	0.67%
TC02	Redwater Industrial System	Fort Saskatchewan	33	50	2.58%

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THS	Three Sisters Hydro Plant	Seebe	44	379	0.20%
VVW1	Valleyview #1	Valleyview	23	1172	(2.64%)
VVW2	Valleyview #2	Valleyview	23	1172	(1.80%)
WEY1	Weyerhaeuser	Grande Prairie	20	1140	(12.00%)
BCHEXP	Alberta-BC Intertie - Export	WSCC	15	1520	2.09%
BCHIMP	Alberta-BC Intertie - Import	WSCC	15	1520	4.17%
MTEXP	Alberta-Montana Intertie - Export	Glenwood	55	80000	—
120SIMP	Alberta-Montana Intertie - Import	Glenwood	55	80000	2.61%
SPCEXP	Alberta-Saskatchewan Intertie - Export	Empress	48	1473	2.08%
SPCIMP	Alberta-Saskatchewan Intertie - Import	Empress	48	1473	4.18%