

2017 Loss Factors Effective 1 Jan 2017 (2020-07-30)

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 July 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% |

2017 Loss Factors Effective 1 Jan 2017 (2020-07-30)

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 July 2020

| Location (MPID) | Facility Name | Area Name | Number | PSS/E Bus | Final Loss Factor |
|-----------------|--------------------------------------|-------------------|--------|-----------|-------------------|
| 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% |

2017 Loss Factors Effective 1 Jan 2017 (2020-07-30)

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 July 2020

| Location (MPID) | Facility Name | Area Name | Number | PSS/E Bus | Final Loss Factor |
|-----------------|--|----------------|--------|-----------|-------------------|
| 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 | 0.73% |
| BCHIMP | Alberta-BC Intertie - Import | WSCC | 15 | 1520 | 2.38% |
| 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% |