

MP_ID	Facility Name	Bus number	Voltage KV	2013 Raw Loss Factors											
				FLL	FLM	FLP	SML	SMM	SMP	SPL	SPM	SPP	WNL	WNM	WNP
0000034911	ALTAGAS PARKLAND	4235	25	-0.92%	-0.47%	-0.59%	-0.96%	-0.79%	-1.07%	-0.86%	-1.19%	-0.31%	-0.86%	-0.68%	-2.44%
NX01	BALZAC	290	138	-0.93%	-0.54%	-0.69%	-0.55%	-0.38%	-0.21%	-0.02%	-0.69%	-0.41%	-1.15%	-0.52%	-0.70%
BAR	BARRIER	216	138	-2.17%	-1.12%	-1.51%	-0.77%	-1.09%	-0.95%	-0.71%	-1.12%	-0.45%	-2.48%	-1.44%	-1.45%
BR3	BATTLE RIVER #3	1491	138	4.64%	5.75%	6.13%	1.87%	4.93%	5.55%	1.42%	3.38%	6.17%	4.39%	6.01%	5.52%
BR4	BATTLE RIVER #4	1491	138	4.64%	5.75%	6.13%	1.87%	4.93%	5.55%	1.42%	3.38%	6.17%	4.39%	6.01%	5.52%
BR5	BATTLE RIVER #5	1469	240	3.91%	4.91%	5.23%	1.44%	4.11%	4.59%	0.68%	2.41%	5.04%	3.76%	5.14%	4.58%
BCRK	BEAR CREEK G1	10142	138	-4.54%	-2.65%	-1.14%	-5.09%	-3.77%	1.15%	-5.45%	-3.63%	-1.29%	-3.82%	-3.24%	0.27%
BCR2	BEAR CREEK G2	10142	138	-4.54%	-2.65%	-1.14%	-5.09%	-3.77%	1.15%	-5.45%	-3.63%	-1.29%	-3.82%	-3.24%	0.27%
BPW	BEARSPAW	184	138	-1.66%	-1.50%	-1.77%	-0.95%	-1.20%	-1.44%	-0.68%	-1.60%	-1.54%	-1.83%	-1.50%	-1.98%
BIG	BIGHORN	103	138	0.74%	1.58%	2.29%	0.82%	2.27%	2.96%	0.88%	2.13%	1.91%	0.37%	1.50%	3.13%
BTR1	BLUE TRAIL WIND FARM	328	138	1.97%	2.96%	3.17%	2.03%	2.28%	2.02%	1.44%	1.47%	3.07%	2.05%	2.74%	0.17%
BRA	BRAZEAU														
GOC1	BRIDGE CREEK	19145	25	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
0000045411	BUCK LAKE	4080	25	0.78%	0.46%	0.16%	1.74%	1.33%	1.17%	1.53%	1.18%	0.45%	1.38%	0.96%	1.53%
TC01	CARSELAND	5251	138	-0.68%	-0.33%	-0.28%	-0.21%	-0.29%	-0.24%	0.27%	-0.50%	-0.17%	-0.72%	-0.25%	-0.66%
CAS	CASCADE	175	138	-2.65%	-1.52%	-2.00%	-1.46%	-1.75%	-1.53%	-1.18%	-1.50%	-0.63%	-2.98%	-1.92%	-1.98%
CR1	CASTLE RIVER	234	138	0.95%	2.12%	2.24%	1.25%	1.68%	1.64%	0.93%	0.93%	1.92%	1.07%	1.80%	-0.02%
CRR1	Enel Alberta Castle Rock Wind Farm	221	240	1.11%	2.12%	2.23%	1.21%	1.69%	1.58%	0.85%	0.85%	1.93%	1.21%	1.82%	-0.09%
EC01	CAVALIER	247	138	-0.96%	0.63%	0.91%	-1.75%	-0.27%	1.41%	0.27%	0.77%	2.05%	-0.89%	0.97%	1.03%
CHIN	CHIN CHUTE	406	138	0.45%	1.05%	0.59%	-0.09%	0.90%	0.58%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CMH1	CITY OF MEDICINE HAT	680	138	-1.29%	0.77%	1.72%	-3.50%	-0.66%	0.48%	-2.96%	-0.91%	1.55%	-1.06%	0.56%	0.69%
ENC1	CLOVER BAR 1	516	69	2.87%	2.22%	2.04%	3.00%	2.35%	1.83%	3.38%	2.88%	1.68%	2.64%	2.08%	2.41%
ENC2	CLOVER BAR 2	516	69	2.87%	2.22%	2.04%	3.00%	2.35%	1.83%	3.38%	2.88%	1.68%	2.64%	2.08%	2.41%
ENC3	CLOVER BAR 3	516	69	2.87%	2.22%	2.04%	3.00%	2.35%	1.83%	3.38%	2.88%	1.68%	2.64%	2.08%	2.41%
CNR5	CNRL HORIZON	1263	240	3.56%	3.17%	4.33%	4.77%	2.28%	1.91%	5.06%	5.32%	4.73%	4.90%	4.66%	5.36%
CRE1	COWLEY EXPANSION 1	264	69	2.14%	3.54%	3.84%	2.68%	2.67%	2.46%	1.71%	2.10%	2.91%	3.52%	3.59%	0.71%
CRE2	COWLEY EXPANSION 2	264	69	2.14%	3.54%	3.84%	2.68%	2.67%	2.46%	1.71%	2.10%	2.91%	3.52%	3.59%	0.71%
CRE3	COWLEY NORTH	264	69	2.14%	3.54%	3.84%	2.68%	2.67%	2.46%	1.71%	2.10%	2.91%	3.52%	3.59%	0.71%
PKNE	COWLEY RIDGE WIND POWER PHASE1	264	69	2.14%	3.54%	3.84%	2.68%	2.67%	2.46%	1.71%	2.10%	2.91%	3.52%	3.59%	0.71%
CRWD	COWLEY RIDGE WIND POWER PHASE2	264	69	2.14%	3.54%	3.84%	2.68%	2.67%	2.46%	1.71%	2.10%	2.91%	3.52%	3.59%	0.71%
DAI1	DIASHOWA	1088	138	-2.63%	-2.08%	-1.31%	-1.80%	-2.23%	-0.48%	-2.17%	-1.36%	-1.04%	-1.67%	-1.86%	-0.21%
DOWGEN15M	DOW GTG	61	138	2.90%	2.27%	2.04%	2.83%	1.94%	1.33%	3.26%	2.74%	1.63%	2.47%	1.94%	2.28%
DV1	DRAYTON VALLEY PL IPP	4332	25	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
DRW1	DRYWOOD 1	4226	4.16	0.78%	2.01%	2.18%	1.17%	1.49%	1.77%	0.66%	0.72%	1.87%	1.06%	1.71%	-0.21%
CES1	ENMAX CALGARY ENERGY CENTRE CTG	187	240	-0.84%	-0.46%	-0.57%	-0.43%	-0.27%	-0.15%	0.07%	-0.65%	-0.39%	-1.10%	-0.48%	-0.69%
CES2	ENMAX CALGARY ENERGY CENTRE STG	187	240	-0.84%	-0.46%	-0.57%	-0.43%	-0.27%	-0.15%	0.07%	-0.65%	-0.39%	-1.10%	-0.48%	-0.69%
CRS1	ENMAX CROSSFIELD ENERGY CENTER	503	138	-0.69%	0.38%	0.26%	-0.49%	-0.06%	1.00%	-0.05%	-0.38%	0.14%	-1.01%	-0.11%	1.20%
CRS2	ENMAX CROSSFIELD ENERGY CENTER	503	138	-0.69%	0.38%	0.26%	-0.49%	-0.06%	1.00%	-0.05%	-0.38%	0.14%	-1.01%	-0.11%	1.20%
CRS3	ENMAX CROSSFIELD ENERGY CENTER	503	138	-0.69%	0.38%	0.26%	-0.49%	-0.06%	1.00%	-0.05%	-0.38%	0.14%	-1.01%	-0.11%	1.20%
FNG1	FORT NELSON	20000	138	1.41%	3.61%	4.43%	4.01%	3.10%	4.23%	-3.03%	-0.49%	1.17%	3.30%	3.51%	5.75%
AFG1TX	FORTISALBERTA AL-PAC PULP MILL	392	138	0.23%	-0.48%	-0.73%	-0.18%	-1.05%	-0.40%	0.20%	0.30%	-0.46%	-0.01%	-0.83%	-0.34%
EC04	FOSTER CREEK G1	1301	138	3.96%	3.01%	3.20%	3.54%	1.86%	0.57%	3.42%	3.46%	2.77%	4.11%	3.43%	4.01%
0000001511	FT MACLEOD	4237	25	0.08%	0.68%	0.48%	0.05%	0.24%	-0.29%	-0.23%	-0.36%	0.76%	0.28%	0.42%	-1.91%
GN1	GENESEE 1	525	500	4.28%	3.60%	3.04%	4.46%	4.06%	3.48%	4.89%	4.23%	3.09%	4.15%	3.74%	4.10%
GN2	GENESEE 2	525	500	4.28%	3.60%	3.04%	4.46%	4.06%	3.48%	4.89%	4.23%	3.09%	4.15%	3.74%	4.10%
GN3	GENESEE 3	525	500	4.28%	3.60%	3.04%	4.46%	4.06%	3.48%	4.89%	4.23%	3.09%	4.15%	3.74%	4.10%
GHO	GHOST	180	138	-2.19%	-1.52%	-1.84%	-0.92%	-1.24%	-1.34%	-0.99%	-1.60%	-1.28%	-2.46%	-1.72%	-1.86%
NEP1	GHOST PINE WIND FARM	603	138	2.60%	3.30%	4.11%	1.03%	2.71%	2.39%	1.29%	2.04%	3.59%	4.18%	4.14%	2.23%
0000022911	GLENWOOD	4245	25	0.68%	1.38%	0.63%	1.22%	1.35%	1.01%	0.34%	-0.02%	0.79%	0.52%	0.66%	-1.85%
GPEC	GRANDE PRAIRIE ECOPOWER CENTRE	1101	138	-4.80%	-2.96%	-1.51%	-5.31%	-4.04%	0.74%	-5.62%	-3.88%	-1.64%	-4.06%	-3.54%	-0.11%
HAL1	CAPITAL POWER HALKIRK WIND PROJECT	1435	240	3.98%	5.00%	5.36%	1.42%	4.13%	4.65%	0.80%	2.58%	5.21%	3.94%	5.32%	4.72%
0000025611	HARMATTAN GAS PLANT DG	4123	25	-1.93%	-1.85%	-2.18%	-1.14%	-1.27%	-1.44%	-1.07%	-1.58%	-1.87%	-2.08%	-1.88%	-2.00%
HSH	HORSESHOE	171	138	-2.13%	-1.14%	-1.50%	-0.75%	-1.03%	-0.92%	-0.69%	-1.15%	-0.52%	-2.46%	-1.45%	-1.49%
HRM	HR MILNER	1147	138	-1.65%	0.90%	2.85%	-4.40%	-1.42%	5.13%	-4.84%	-1.77%	2.48%	-1.72%	-0.54%	3.24%
INT	INTERLAKES	376	25	-1.36%	0.66%	0.71%	-0.13%	0.27%	2.41%	-0.05%	0.31%	2.59%	-2.21%	0.55%	1.50%
KAN	KANANASKIS	193	138	-2.10%	-1.11%	-1.48%	-0.69%	-0.98%	-0.87%	-0.66%	-1.12%	-0.49%	-2.45%	-1.43%	-1.47%
KH1	KEEPHILLS #1	420	240	4.27%	3.74%	3.35%	4.58%	4.24%	3.73%	4.61%	4.00%	2.98%	4.68%	4.24%	4.77%
KH2	KEEPHILLS #2	420	240	4.27%	3.74%	3.35%	4.58%	4.24%	3.73%	4.61%	4.00%	2.98%	4.68%	4.24%	4.77%
KH3	KEEPHILLS #3	610	500	4.24%	3.56%	3.02%	4.40%	4.00%	3.42%	4.84%	4.17%	3.03%	4.15%	3.72%	4.09%
KHW1	KETTLES HILL WIND ENERGY PHASE 2	402	138	1.23%	2.33%	2.47%	1.40%	1.82%	1.74%	0.98%	1.01%	2.09%	1.42%	2.05%	-0.01%
IOR1	MAHKESES COLD LAKE														
AKE1	MCBRIDE	901	138	1.20%	2.02%	1.95%	1.00%	1.29%	0.97%	0.60%	0.60%	2.22%	1.62%	1.86%	-1.00%
MKRC	MCKAY RIVER	1274	240	3.65%	3.26%	4.42%	4.85%	2.38%	2.02%	5.14%	5.40%	4.81%	4.99%	4.72%	5.40%
MEG1	MEG ENERGY	405	240	3.60%	2.99%	3.61%	3.84%	1.68%	1.09%	4.54%	4.49%	3.81%	4.28%	3.80%	4.29%
MATLIMP	MONTANA TIE LINE IMPORT	451	240	0.85%	1.83%	1.94%	0.67%	1.51%	1.43%	0.23%	0.35%	1.49%	0.68%	1.31%	-0.28%
MKR1	MUSKEG	1236	240	3.59%	3.22%	4.42%	4.81%	2.32%	1.96%	5.11%	5.37%	4.77%	4.94%	4.74%	5.49%

NX02	NEXEN OPTI	1241	138	3.79%	3.26%	4.16%	5.51%	2.06%	1.42%	5.00%	5.06%	4.48%	4.96%	4.51%	4.87%
NPP1	NORTHERN PRAIRIE POWER PROJECT	1120	138	-7.68%	-4.49%	-2.49%	-8.03%	-6.20%	0.40%	-8.02%	-5.85%	-2.69%	-6.53%	-5.34%	0.02%
NPC1	NORTHSTONE ELMWORTH	1134	138	-7.44%	-4.94%	-3.21%	-7.78%	-6.22%	-0.56%	-7.84%	-5.93%	-3.33%	-6.36%	-5.55%	-1.26%
NOVAGEN15M	NOVA JOFFRE	383	138	0.40%	0.48%	0.58%	0.38%	0.69%	0.89%	0.88%	0.47%	0.51%	0.06%	0.58%	0.94%
OMRH	OLDMAN	230	138	1.46%	2.64%	2.81%	1.76%	2.13%	2.10%	1.26%	1.29%	2.30%	1.75%	2.31%	0.09%
WEY1	P&G WEYERHAUSER	1140	138	-4.53%	-2.63%	-1.13%	-5.08%	-3.76%	1.17%	-5.44%	-3.63%	-1.27%	-3.81%	-3.22%	0.29%
0000039611	PINCHER CREEK	4224	25	1.07%	2.13%	2.14%	1.31%	1.66%	1.53%	0.87%	0.86%	1.81%	1.28%	1.79%	-0.23%
POC	POCATERRA	214	13.8	-1.67%	-0.05%	-0.08%	-0.12%	-0.11%	0.58%	-0.04%	-0.14%	1.01%	-2.19%	-0.43%	-0.26%
PH1	POPLAR HILL	1118	138	-7.68%	-4.53%	-2.54%	-8.03%	-6.22%	0.34%	-8.02%	-5.86%	-2.72%	-6.53%	-5.36%	-0.04%
PR1	PRIMROSE	1302	138	3.20%	2.31%	2.06%	2.89%	1.11%	0.05%	2.87%	2.47%	1.59%	2.90%	2.31%	2.65%
RB1	RAINBOW 1	1031	14.4	0.32%	2.42%	3.72%	2.99%	2.41%	3.59%	-3.53%	-0.93%	0.61%	1.95%	2.41%	5.06%
RB2	RAINBOW 2	1032	14.4	0.32%	2.42%	3.72%	2.99%	2.41%	3.59%	-3.53%	-0.93%	0.61%	1.95%	2.41%	5.06%
RB3	RAINBOW 3	1028	138	0.44%	2.40%	3.44%	2.98%	2.25%	3.42%	-3.10%	-0.75%	0.66%	2.16%	2.42%	4.81%
RL1	RAINBOW 4	83	138	0.45%	2.40%	3.45%	2.99%	2.26%	3.43%	-3.09%	-0.75%	0.66%	2.17%	2.43%	4.82%
RB5	RAINBOW 5	1037	14.4	0.38%	2.51%	3.85%	3.08%	2.52%	3.70%	-3.53%	-0.88%	0.64%	2.01%	2.50%	5.18%
RYMD	RAYMOND RESERVOIR	413	69	1.56%	1.93%	0.75%	0.80%	2.62%	2.65%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
TC02	REDWATER	50	138	2.80%	2.17%	1.91%	2.61%	1.71%	1.08%	3.03%	2.52%	1.40%	2.32%	1.73%	2.06%
RUN	RUNDLE	195	138	-2.36%	-1.24%	-1.66%	-1.20%	-1.51%	-1.38%	-0.88%	-1.23%	-0.43%	-2.65%	-1.59%	-1.58%
SH1	SHEERNESS #1	1484	240	3.06%	4.29%	5.08%	0.26%	3.41%	4.17%	0.41%	2.67%	5.38%	3.73%	5.20%	4.32%
SH2	SHEERNESS #2	1484	240	3.06%	4.29%	5.08%	0.26%	3.41%	4.17%	0.41%	2.67%	5.38%	3.73%	5.20%	4.32%
SHCG	SHELL CAROLINE	370	138	-1.27%	-1.12%	-1.16%	-0.78%	-0.59%	-0.61%	-0.65%	-0.78%	-1.10%	-1.40%	-1.12%	-0.87%
SCTG	SHELL SCOTFORD	43	138	2.94%	2.35%	2.06%	2.65%	1.72%	1.13%	3.12%	2.63%	1.51%	2.45%	1.84%	2.16%
GWW1	SODERGLLEN	358	138	1.86%	2.89%	3.11%	1.87%	2.23%	1.99%	1.41%	1.39%	2.89%	2.10%	2.65%	0.14%
SPR	SPRAY	310	138	-2.29%	-1.18%	-1.59%	-1.15%	-1.46%	-1.34%	-0.82%	-1.17%	-0.38%	-2.58%	-1.52%	-1.50%
0000038511	SPRING COULEE	4246	25	0.61%	0.97%	0.05%	0.79%	1.11%	0.58%	0.26%	-0.48%	0.21%	0.18%	0.10%	-2.63%
0000006711	STIRLING	4280	25	0.09%	0.45%	-0.31%	-0.52%	0.42%	-0.01%	-0.37%	-0.89%	-0.15%	-0.59%	-0.51%	-2.68%
ST1	STURGEON 1	1166	69	-2.05%	-1.30%	-0.43%	-1.75%	-1.60%	0.55%	-1.98%	-1.10%	-0.41%	-1.25%	-1.28%	0.74%
ST2	STURGEON 2	1166	69	-2.05%	-1.30%	-0.43%	-1.75%	-1.60%	0.55%	-1.98%	-1.10%	-0.41%	-1.25%	-1.28%	0.74%
IEW1	SUMMerview 1	336	138	1.82%	3.11%	3.40%	2.07%	2.39%	2.43%	1.49%	1.65%	2.73%	2.35%	2.84%	0.26%
IEW2	SUMMerview 2	336	138	1.82%	3.11%	3.40%	2.07%	2.39%	2.43%	1.49%	1.65%	2.73%	2.35%	2.84%	0.26%
SCR3	SUNCOR HILLRIDGE WIND FARM	389	138	0.31%	1.09%	1.36%	-0.50%	0.33%	-0.17%	-0.53%	-0.20%	1.29%	0.80%	0.94%	-1.31%
SCR2	SUNCOR MAGRATH	251	138	1.23%	1.93%	1.66%	0.97%	1.70%	1.42%	0.86%	0.48%	1.64%	1.15%	1.33%	-1.12%
SCR1	SUNCOR MILLENIUM	1208	240	3.99%	3.57%	4.80%	5.21%	2.61%	2.19%	5.61%	5.89%	5.27%	5.42%	5.13%	5.73%
SCR4	SUNCOR WINTERING HILLS WIND ENERGY P	759	138	2.35%	3.54%	4.57%	0.51%	3.45%	4.05%	1.36%	2.97%	5.27%	5.36%	5.61%	3.13%
SD3	SUNDANCE #3	135	240	2.88%	2.54%	2.73%	3.56%	3.05%	3.05%	3.64%	3.46%	2.81%	3.50%	3.11%	3.80%
SD4	SUNDANCE #4	135	240	2.88%	2.54%	2.73%	3.56%	3.05%	3.05%	3.64%	3.46%	2.81%	3.50%	3.11%	3.80%
SD5	SUNDANCE #5	135	240	2.88%	2.54%	2.73%	3.56%	3.05%	3.05%	3.64%	3.46%	2.81%	3.50%	3.11%	3.80%
SD6	SUNDANCE #6	135	240	2.88%	2.54%	2.73%	3.56%	3.05%	3.05%	3.64%	3.46%	2.81%	3.50%	3.11%	3.80%
SCL1	SYNCRUDE	1205	240	3.93%	3.51%	4.73%	5.14%	2.55%	2.13%	5.53%	5.81%	5.18%	5.35%	5.05%	5.66%
TAB1	TABER WIND	343	138	-0.38%	0.46%	1.21%	-2.00%	-0.83%	-1.44%	-1.63%	-0.70%	1.12%	0.91%	0.72%	-1.72%
TAY1	TAYLOR HYDRO	670	69	1.27%	1.80%	1.20%	0.83%	1.98%	1.79%	1.06%	0.31%	1.16%	0.71%	0.87%	-1.40%
THS	THREE SISTERS	379	25	-2.10%	-0.67%	-0.95%	-1.41%	-1.68%	-1.46%	-1.02%	-1.35%	-0.59%	-2.41%	-1.26%	-1.00%
ARD1	TRANSALTA ARDENVILLE WIND FARM	739	138	2.30%	3.30%	3.54%	2.39%	2.53%	2.23%	1.73%	1.74%	3.50%	2.35%	3.10%	0.29%
VVW2	ATCO VALLEY VIEW 2	1172	138	-1.82%	-1.16%	-0.31%	-1.49%	-1.43%	0.56%	-1.67%	-0.84%	-0.27%	-1.05%	-1.12%	0.81%
VVW1	VALLEYVIEW	1172	138	-1.82%	-1.16%	-0.31%	-1.49%	-1.43%	0.56%	-1.67%	-0.84%	-0.27%	-1.05%	-1.12%	0.81%
WST1	WESGEN	21	138	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
EAGL	WHITE COURT	410	69	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Project739_1_GEN	NRGreen Windfall Power Generating Station	1674	138	-0.42%	0.12%	0.64%	0.79%	0.41%	1.17%	0.80%	0.98%	0.76%	0.00%	0.00%	0.00%
0000016301	Amoco Empress (163S)	262	240	0.93%	2.41%	3.25%	-2.31%	0.92%	2.05%	-2.17%	0.15%	2.65%	0.44%	2.13%	1.41%
0000079301	ANG Cochrane (793S)	191	138	-2.40%	-1.91%	-2.17%	-1.28%	-1.59%	-1.75%	-1.27%	-2.03%	-1.87%	-2.67%	-2.06%	-2.23%
341S025	Syncrude Standby (848S)	1200	240	3.92%	3.50%	4.71%	5.13%	2.54%	2.12%	5.51%	5.79%	5.17%	5.33%	5.04%	5.65%