

2006 Raw Loss Factors (%)															
MP ID	Names from GSO	MPID BUS	Voltage kV	WNL	WNN	WNP	SPL	SPM	SPP	SML	SMM	SMP	FLL	FLM	FLP
SCTG	Air Liquide (Shell Scotsford)	43	138	4.66%	5.97%	5.93%	4.81%	5.23%	5.21%	6.01%	5.08%	3.84%	3.20%	3.17%	4.12%
NX01	Balzac IBOC (Turbo Balzac)	4290	13.8	-3.00%	-3.94%	-4.82%	-1.67%	-3.47%	-3.19%	-2.37%	-2.04%	-1.72%	-0.84%	-2.10%	-2.24%
NX01b	Balzac IBOC (Turbo Balzac)	3290	13.8	-2.88%	-3.94%	-4.84%	-1.67%	-3.47%	-3.19%	-2.36%	-2.06%	-1.75%	-0.85%	-2.11%	-2.24%
BAR	Barrier	222	13.2	-5.97%	-5.77%	-4.64%	-4.94%	-4.14%	-3.35%	-5.35%	-4.18%	-3.49%	-3.64%	-2.05%	-1.45%
BR4	Battle River (UNIT 4)	1495	16	6.93%	6.43%	6.01%	6.52%	7.25%	8.49%	1.72%	4.92%	4.93%	10.15%	11.15%	10.46%
BR3	Battle River (UNIT 3)	1496	16	6.93%	6.29%	5.88%	6.23%	6.86%	8.55%	1.86%	4.82%	4.60%	10.16%	11.13%	10.36%
BR5	Battle River (UNIT 5)	1497	21	3.96%	3.26%	2.54%	3.56%	3.74%	5.02%	0.41%	2.81%	2.52%	7.14%	7.64%	6.79%
BCR2	Bear Creek STG	19142	13.8	-13.90%	-14.40%	-8.56%	-14.60%	-11.61%	-12.11%	-13.75%	-13.38%	-5.47%	-16.05%	-13.41%	-13.03%
BCRK	Bear Creek GT	18142	13.8	-13.90%	-14.40%	-8.87%	-14.60%	-11.61%	-12.11%	-13.75%	-13.38%	-6.52%	-16.05%	-13.41%	-13.03%
BPW	Bears paw	183	13.2	-4.13%	-5.35%	-6.67%	-2.72%	-4.76%	-4.42%	-3.26%	-3.18%	-3.87%	-1.95%	-3.39%	-3.80%
BLYR	BELLY RIVER IPP	447	4.16	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
BIG	Bighorn Hydro	108	13.8	-3.28%	-2.24%	2.81%	-0.88%	1.45%	2.02%	-2.19%	0.07%	4.50%	-1.39%	3.13%	5.17%
BIGb	Bighorn Hydro	102	13.8	-3.09%	0.44%	2.82%	-0.86%	1.47%	2.03%	-2.34%	0.82%	4.51%	-1.40%	3.17%	5.19%
BRA	Brazeau Hydro	33	13.2	0.86%	1.45%	3.79%	2.16%	3.12%	3.67%	2.39%	2.92%	4.10%	1.60%	3.12%	5.60%
BRAb	Brazeau Hydro	154	13.8	1.84%	2.86%	4.02%	2.92%	3.81%	4.05%	3.15%	3.72%	4.91%	2.69%	3.66%	5.62%
BRAc	Brazeau Hydro	151	13.8	1.85%	2.78%	4.01%	2.92%	3.82%	4.07%	3.17%	3.78%	4.95%	2.64%	3.61%	5.65%
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%
CES1	CALPINE #1 (CTG)	3187	13.8	-2.58%	-3.50%	-4.56%	-1.31%	-3.12%	-2.82%	-2.06%	-1.85%	-1.68%	-0.52%	-1.81%	-1.81%
CES2	CALPINE #2 (STG)	4187	18	-2.58%	-3.50%	-4.76%	-1.31%	-3.16%	-2.97%	-2.06%	-1.85%	-1.93%	-0.52%	-1.87%	-2.08%
TC01	Carseland IBOC (TransCanada)	3251	13.8	-3.00%	-3.93%	-4.82%	-1.41%	-2.97%	-2.90%	-2.30%	-2.18%	-2.31%	-0.41%	-1.78%	-2.69%
TC01b	Carseland IBOC (TransCanada)	4251	13.8	-3.03%	-3.93%	-4.82%	-1.40%	-2.96%	-2.89%	-2.32%	-2.18%	-2.30%	-0.39%	-1.77%	-2.78%
CAS	Cascade	176	13.2	-6.87%	-6.56%	-5.05%	-5.78%	-4.70%	-3.81%	-6.30%	-4.89%	-4.50%	-4.45%	-2.62%	-1.87%
CR1	Castle River #1	3234	25	3.01%	0.07%	-2.16%	-0.38%	-1.83%	-1.63%	-2.16%	-1.58%	-1.68%	2.14%	1.17%	0.32%
CR1b	Castle River #1	2234	25	3.03%	0.08%	-2.16%	-0.37%	-1.82%	-1.62%	-2.15%	-1.58%	-1.68%	2.15%	1.18%	0.33%
EC01	Cavalier IBOC (aka PanCanadian Namaka)	4247	13.8	-6.30%	-6.79%	-7.55%	-3.23%	-3.88%	-3.16%	-5.35%	-3.58%	-1.37%	-2.20%	-2.62%	-4.56%
EC01b	Cavalier IBOC (aka PanCanadian Namaka)	3247	13.8	-6.31%	-6.91%	-7.55%	-3.40%	-3.61%	-3.26%	-5.29%	-3.49%	-0.75%	-2.65%	-2.58%	-4.86%
CHIN	CHIN CHUTE	407	13.8	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CMH1	City of Medicine Hat	680	138	-14.54%	-15.59%	-15.69%	-14.53%	-14.07%	-14.02%	-16.07%	-14.30%	-14.88%	-10.55%	-9.80%	-12.62%
CRE1	Cowley Ridge North Wind Plant	4264	25	7.33%	3.12%	-0.31%	1.27%	0.45%	1.42%	-0.72%	-0.67%	-0.95%	4.56%	3.96%	4.06%
CRE2	COWLEY EXPANSION 2	265	34.5	8.35%	3.86%	0.27%	1.65%	0.93%	2.00%	-0.33%	-0.45%	-0.78%	5.11%	4.58%	4.86%
CRE3	Cowley Ridge Expansion #3	255	34.5	8.30%	3.82%	0.24%	1.60%	0.88%	1.95%	-0.34%	-0.49%	-0.82%	5.05%	4.53%	4.86%
PKNE	COWLEY RIDGE WIND POWER PHASE1	264	69	8.85%	4.28%	0.57%	1.89%	1.23%	2.43%	-0.12%	-0.27%	-0.65%	5.36%	4.98%	5.36%
CRWD	COWLEY RIDGE WIND POWER PHASE2	264	69	8.85%	4.28%	0.57%	1.89%	1.23%	2.43%	-0.12%	-0.27%	-0.65%	5.36%	4.98%	5.36%
GPEC	CG&E COGEN G.PRAIRE	17101	13.8	-11.59%	-12.63%	-5.74%	-6.58%	-7.39%	-8.25%	-7.05%	-9.80%	1.67%	-6.35%	-4.96%	-8.28%
DAI1	Diashowa	1089	13.8	-14.21%	-16.17%	-12.48%	-15.60%	-14.00%	-14.69%	-13.85%	-17.07%	-10.23%	-14.38%	-15.26%	-15.48%
DKSN	DICKSON DAM 1	6	4.16	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
DOW1 and DOWG	Dow Generation and Dow GTG	61	138	4.17%	5.53%	5.13%	4.48%	4.81%	4.67%	5.53%	4.87%	3.61%	3.00%	2.77%	3.80%
DV1	DRAYTON VALLEY PL IPP	332	13.8	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	4226	4.16	1.57%	-1.38%	-3.52%	-1.54%	-3.06%	-3.01%	-3.61%	-3.03%	-3.26%	1.08%	0.03%	-1.23%
FNG1	Fort Nelson	1015	13.8	-20.83%	-24.78%	-11.52%	-25.10%	-22.61%	-22.78%	-23.32%	-44.14%	-1.87%	-20.28%	-23.85%	-22.91%
EC04	Foster Creek	3301	13.8	11.63%	11.83%	13.03%	5.93%	6.79%	8.67%	9.79%	8.53%	7.33%	5.86%	5.36%	7.09%
EC04b	Foster Creek	3302	13.8	11.64%	11.91%	12.93%	6.14%	6.71%	8.67%	10.05%	8.79%	7.49%	5.89%	5.39%	6.28%
GN3	Genesee 3	492	20.5	9.53%	11.34%	11.03%	11.49%	11.43%	11.21%	12.60%	12.20%	10.74%	9.38%	9.36%	10.85%
GN2	Genesee 2	491	20.5	9.51%	11.34%	10.99%	11.39%	11.44%	11.21%	12.56%	12.18%	10.74%	9.34%	9.23%	10.82%
GN1	Genesee 1	490	22	9.63%	11.30%	11.05%	11.43%	11.43%	11.20%	12.65%	12.19%	10.76%	9.40%	9.24%	10.82%
GHO	Ghost	181	13.2	-5.52%	-5.87%	-5.95%	-4.19%	-4.70%	-4.23%	-4.68%	-4.06%	-4.01%	-3.27%	-3.06%	-2.92%
GHO b	Ghost	3181	2.3	-5.48%	-5.66%	-5.31%	-4.11%	-4.24%	-3.40%	-4.37%	-3.18%	-2.56%	-3.14%	-2.08%	-1.60%

2006 Raw Loss Factors (%)															
MP ID	Names from GSO	MPID BUS	Voltage kV	WNL	WNM	WNP	SPL	SPM	SPP	SML	SMM	SMP	FLL	FLM	FLP
0000022911	GLENWOOD	4245	25	0.54%	-3.77%	-4.98%	-0.76%	-2.92%	-3.26%	-1.89%	-1.45%	-2.27%	2.38%	0.41%	-1.61%
HSH	Horseshoe	172	12	-5.87%	-5.90%	-5.04%	-4.87%	-4.45%	-3.68%	-5.23%	-4.26%	-3.75%	-3.56%	-2.42%	-1.96%
HRM	HR Milner	1148	15	-14.65%	-15.12%	-8.45%	-15.09%	-12.30%	-13.19%	-13.73%	-13.20%	-5.38%	-15.86%	-14.04%	-13.75%
INT	Interlakes	377	4.16	-5.89%	-4.81%	-2.48%	-5.42%	-4.32%	-2.44%	-6.02%	-4.73%	-2.38%	-3.79%	-0.18%	1.32%
JOF1	Joffre	383	138	0.27%	1.04%	-0.02%	1.07%	0.67%	0.70%	1.57%	1.59%	0.59%	1.15%	0.68%	1.13%
KAN	Kananaskis Hydro	196	12	-5.84%	-5.87%	-5.00%	-4.84%	-4.41%	-3.64%	-5.17%	-4.21%	-3.69%	-3.51%	-2.36%	-1.91%
KH2	Keephills 2	424	19	9.20%	11.02%	10.71%	11.07%	11.16%	10.88%	12.13%	11.79%	10.42%	9.04%	9.15%	10.62%
KH1	Keephills 1	422	19	9.31%	11.09%	10.71%	11.14%	11.18%	10.91%	12.24%	11.90%	10.50%	9.06%	9.03%	10.58%
TAY1	Magrath (Taylor Hydro)	4670	13.8	-1.53%	-4.06%	-5.28%	-0.25%	-2.29%	-2.55%	-1.29%	0.07%	-0.62%	3.09%	1.48%	-1.46%
TAY2	Taylor Wind Plant (Canadian Hydro)	4670	13.8	-1.53%	-4.06%	-5.28%	-0.25%	-2.29%	-2.55%	-1.29%	0.07%	-0.62%	3.09%	1.48%	-1.46%
IOR1	MAHKESES (Weldwood = Cold Lake)	56789													
AKE1	McBRIDE LK. (0 - 36 MW) (36 - 76 MW)	2901	25	1.32%	-1.51%	-3.58%	-0.33%	-1.92%	-1.78%	-2.21%	-1.60%	-1.56%	2.37%	1.12%	0.27%
AKE1b	McBRIDE LK. (0 - 36 MW) (36 - 76 MW)	4901	25	1.40%	-1.46%	-3.56%	-0.29%	-1.89%	-1.75%	-2.18%	-1.58%	-1.55%	2.41%	1.15%	0.34%
AKE1c	McBRIDE LK. (0 - 36 MW) (36 - 76 MW)	3901	25	1.39%	-1.45%	-3.58%	-0.29%	-1.88%	-1.74%	-2.17%	-1.58%	-1.55%	2.41%	1.15%	0.34%
MKRC	McKAY RIVER	1274	240	6.79%	7.25%	9.22%	2.07%	3.59%	5.40%	4.07%	3.29%	2.89%	1.66%	1.65%	3.10%
MKR1	MUSKEG River (Albian)	1236	240	7.44%	8.07%	10.28%	2.64%	4.15%	6.02%	4.38%	3.96%	3.42%	2.40%	2.18%	3.90%
NPC1	NORTHSTONE ELMWORTH POWER	20134	6.9	-20.05%	-21.67%	-13.95%	-20.83%	-18.92%	-19.37%	-20.29%	-20.67%	-12.67%	-21.58%	-19.37%	-20.06%
OMRH	OLD MAN	2230	13.8	3.61%	0.57%	-1.58%	0.12%	-1.38%	-1.20%	-1.65%	-1.19%	-1.00%	2.73%	1.69%	0.61%
0000039611	PINCHER CREEK	4224	25	3.36%	0.22%	-1.83%	-0.24%	-1.94%	-1.74%	-2.15%	-1.57%	-1.77%	2.30%	1.12%	0.16%
35311	PLAMONDON	4304	25	-1.82%	-2.65%	-6.00%	-2.79%	-5.21%	-5.55%	-0.77%	-2.42%	-4.30%	-2.28%	-3.95%	-2.28%
POC	Pocaterra	214	13.8	-5.89%	-6.12%	-5.51%	-5.36%	-5.02%	-4.13%	-5.95%	-4.93%	-4.27%	-3.96%	-2.71%	-2.23%
PH1	Poplar Hill	16118	13.8	-21.10%	-24.02%	-17.55%	-21.95%	-19.93%	-20.58%	-21.43%	-21.88%	-14.86%	-21.93%	-20.14%	-21.96%
PR1	Primrose	1302	138	6.42%	7.28%	8.12%	2.44%	3.27%	4.50%	5.56%	4.50%	2.89%	1.91%	1.51%	2.79%
WEY1	Procter & Gamble (Weyerhaeuser)	1141	13.8	-14.13%	-14.64%	-7.37%	-14.80%	-11.73%	-12.11%	-14.02%	-13.67%	-4.68%	-16.97%	-13.59%	-13.03%
RB1	Rainbow Lake 1	1031	14.4	-11.03%	-13.70%	-1.05%	-14.67%	-11.91%	-11.66%	-13.18%	-25.69%	7.39%	-10.77%	-13.32%	-12.26%
RB2	Rainbow Lake 2	1032	14.4	-11.03%	-13.70%	-4.65%	-14.67%	-11.91%	-11.66%	-13.18%	-25.69%	1.01%	-10.77%	-13.32%	-12.26%
RB3	Rainbow Lake 3	1033	14.4	-11.02%	-13.69%	-1.05%	-14.65%	-11.90%	-11.65%	-13.16%	-25.68%	7.39%	-10.75%	-13.30%	-12.25%
RL1	Rainbow Lake 4	1035	13.8	-23.21%	-26.92%	-13.86%	-26.06%	-23.36%	-23.48%	-24.16%	-40.24%	-3.10%	-21.30%	-25.02%	-23.75%
RB5	Rainbow Lake 5 (CUPC)	1037	14.4	-13.95%	-19.80%	-8.49%	-17.66%	-17.81%	-17.70%	-16.14%	-29.15%	-0.64%	-13.64%	-16.41%	-18.15%
RYMD	RAYMOND RESERVOIR	414	13.8	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
TC02	Redwater Cogen (TCP)	50	138	5.16%	6.49%	6.22%	5.18%	5.62%	5.69%	6.56%	5.71%	4.41%	3.81%	3.68%	4.71%
RG10	Rossdale 10	497	14.4	6.34%	7.73%	7.16%	7.39%	7.55%	7.07%	8.35%	7.92%	6.16%	5.87%	5.83%	6.66%
RG8	Rossdale 8	498	14.4	6.34%	7.73%	7.16%	7.39%	7.55%	7.07%	8.35%	7.92%	6.17%	5.87%	5.83%	6.66%
RG9	Rossdale 9	499	14.4	6.34%	7.73%	7.16%	7.39%	7.55%	7.07%	8.35%	7.92%	6.16%	5.87%	5.83%	6.66%
RUN	Rundle	197	13.8	-6.45%	-6.10%	-4.59%	-5.42%	-4.36%	-3.47%	-5.91%	-4.61%	-4.01%	-4.08%	-2.25%	-1.54%
SH2	Sheerness 2	1482	19	1.08%	0.29%	-1.17%	1.10%	0.70%	1.65%	-1.19%	1.08%	0.55%	5.79%	5.22%	3.76%
SH1	Sheerness 1	1487	19	0.87%	-0.05%	-0.78%	1.54%	1.65%	2.30%	-3.93%	-0.47%	0.32%	5.57%	5.23%	3.81%
SPR	Spray	174	13.2	-6.37%	-5.96%	-4.65%	-5.28%	-4.27%	-3.45%	-5.75%	-4.54%	-3.92%	-3.98%	-2.22%	-1.53%
SPRb	Spray	190	13.2	-6.29%	-6.04%	-4.62%	-5.26%	-4.30%	-3.43%	-5.77%	-4.44%	-3.90%	-3.98%	-2.20%	-1.51%
38511	SPRING COULEE	4246	25	-0.05%	-4.57%	-6.37%	-0.89%	-3.35%	-3.84%	-2.00%	-1.07%	-2.40%	2.82%	0.71%	-2.24%
STMY	ST MARY IPP	448	4.16	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
6711	STIRLING	4280	25	-4.75%	-8.61%	-8.29%	-3.49%	-5.64%	-4.95%	-4.29%	-2.84%	-3.59%	0.61%	-0.64%	-3.43%
ST1	Sturgeon 1	1166	69	-6.87%	-7.22%	-2.94%	-7.65%	-5.79%	-5.73%	-6.46%	-6.91%	-2.83%	-7.88%	-7.20%	-6.57%
ST2	Sturgeon 2	1166	69	-6.87%	-7.22%	-2.94%	-7.65%	-5.79%	-5.73%	-6.46%	-6.91%	-2.83%	-7.88%	-7.20%	-6.57%
Project_393_2	SUMMERVIEW PHASE 2	3336	34.5	3.90%	0.88%	-1.47%	0.39%	-1.09%	-0.95%	-1.34%	-0.82%	-0.54%	3.01%	1.98%	0.91%
IEW1	Summerview	4336	34.5	3.89%	0.87%	-1.47%	0.38%	-1.10%	-0.96%	-1.35%	-0.86%	-0.64%	3.01%	1.97%	0.91%
SCR1	Suncor	1208	240	3.20%	3.71%	5.76%	-1.63%	0.21%	2.18%	-0.03%	-0.41%	-0.65%	-2.16%	-2.22%	-0.16%
SD1	Sundance 1	129	18	8.82%	9.96%	10.64%	8.97%	9.71%	9.62%	9.64%	9.44%	8.21%	7.87%	8.69%	9.44%

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MP ID	Names from GSO	MPID BUS	Voltage kV	WNL	WNM	WNP	SPL	SPM	SPP	SML	SMM	SMP	FLL	FLM	FLP
NX01	BALZAC	4290	13.8	-1.60%	-2.89%	-2.29%	-0.70%	-2.07%	-1.49%	0.05%	-0.94%	-1.57%	-0.04%	-1.07%	-1.04%
NX01b	BALZAC	3290	13.8	-1.60%	-2.89%	-2.29%	-0.70%	-2.07%	-1.50%	0.04%	-0.90%	-1.58%	-0.05%	-1.10%	-1.06%
BAR	BARRIER	222	13.2	-4.35%	-3.24%	-1.55%	-3.57%	-3.29%	-1.72%	-0.38%	-1.43%	0.27%	-2.60%	-1.72%	-0.78%
BR4	BATTLE RIVER #4	1496	16	8.27%	9.24%	9.50%	7.97%	8.87%	8.89%	8.16%	9.74%	11.39%	9.63%	10.15%	10.74%
BR3	BATTLE RIVER #3	1495	16	8.24%	9.18%	9.39%	8.06%	8.91%	8.76%	8.07%	9.38%	11.31%	9.34%	9.86%	10.76%
BR5	BATTLE RIVER #5	1497	21	5.49%	6.01%	6.04%	5.17%	5.69%	5.56%	5.58%	6.56%	7.96%	6.84%	7.11%	7.68%
BCR2	BEAR CREEK G2	18142	13.8	-11.41%	-8.53%	-8.11%	-12.87%	-9.10%	-10.95%	-13.25%	-11.35%	-7.64%	-13.99%	-10.31%	-8.47%
BCRK	BEAR CREEK G1	19142	13.8	-11.42%	-9.13%	-7.63%	-13.32%	-9.29%	-10.14%	-13.25%	-11.61%	-7.13%	-14.47%	-10.79%	-9.07%
BPW	BEARSPAW	183	13.2	-2.89%	-4.40%	-4.00%	-1.87%	-3.69%	-3.30%	-0.78%	-2.34%	-3.10%	-1.30%	-2.91%	-2.79%
BLYR	BELLY RIVER IPP	447	4.16	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
BIG	BIGHORN	108	13.8	0.81%	2.49%	5.27%	0.04%	0.91%	-0.17%	4.76%	4.69%	6.09%	-0.11%	1.48%	5.08%
BIGb	BIGHORN	102	13.8	0.16%	2.49%	5.28%	0.05%	0.91%	-0.17%	4.75%	4.69%	6.10%	-0.10%	1.49%	5.09%
BRA	BRAZEAU	33	13.2	2.48%	3.25%	3.83%	2.35%	3.06%	3.80%	5.12%	4.22%	5.77%	2.91%	3.79%	3.32%
BRAb	BRAZEAU	154	13.8	3.37%	3.83%	4.31%	3.24%	3.69%	4.31%	6.14%	5.21%	6.08%	3.75%	4.29%	3.86%
BRAc	BRAZEAU	151	13.8	3.42%	3.85%	4.32%	3.24%	3.70%	4.33%	6.14%	5.23%	6.11%	3.75%	4.30%	3.87%
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%
CES2	CALPINE STG	3187	13.8	-1.41%	-2.72%	-2.21%	-0.53%	-1.83%	-1.33%	0.24%	-0.74%	-1.36%	0.10%	-0.96%	-1.03%
CES1	CALPINE CTG	4187	18	-1.42%	-2.73%	-2.24%	-0.55%	-1.92%	-1.54%	0.24%	-0.78%	-1.44%	0.09%	-1.01%	-1.10%
TC01	CARSELAND	3251	13.8	-1.87%	-2.40%	-1.53%	-0.57%	-1.88%	-1.33%	-0.07%	-0.84%	-1.64%	0.24%	-0.62%	-0.09%
TC01b	CARSELAND	4251	13.8	-1.87%	-2.39%	-1.52%	-0.56%	-1.88%	-1.33%	-0.07%	-0.84%	-1.63%	0.24%	-0.62%	-0.09%
CAS	CASCADE	176	13.2	-5.29%	-3.87%	-1.92%	-4.53%	-3.99%	-2.11%	-1.43%	-2.20%	-0.12%	-3.57%	-2.55%	-1.35%
CR1	CASTLE RIVER	3234	25	3.28%	2.35%	2.21%	2.65%	1.62%	-0.31%	3.34%	2.29%	4.74%	4.97%	4.99%	3.33%
CR1b	CASTLE RIVER	2234	25	3.18%	2.24%	2.22%	2.62%	1.56%	-0.30%	3.35%	2.29%	4.75%	4.95%	4.96%	3.34%
EC01	CAVALIER	4247	13.8	-3.99%	-2.20%	-0.63%	-2.86%	-2.05%	-0.51%	-2.81%	-2.50%	-2.45%	-0.67%	0.14%	1.40%
EC01b	CAVALIER	3247	13.8	-3.76%	-1.66%	0.07%	-2.81%	-1.76%	0.08%	-2.84%	-2.23%	-2.25%	-0.21%	0.65%	1.97%
CHIN	CHIN CHUTE	407	13.8	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CMH1	CITY OF MEDICINE HAT	680	13.8	-4.18%	-3.49%	-4.20%	-4.80%	-3.46%	-4.85%	-4.15%	-4.17%	-4.84%	-2.50%	-1.50%	-2.08%
CRE1	COWLEY EXPANSION 1	4264	25	6.91%	6.08%	5.02%	4.54%	3.85%	0.86%	4.66%	3.63%	9.07%	7.54%	8.33%	5.80%
CRE2	COWLEY EXPANSION 2	265	34.5	7.72%	6.95%	5.77%	5.01%	4.31%	1.16%	5.10%	3.99%	9.78%	8.15%	9.01%	6.31%
CRE3	COWLEY NORTH	255	34.5	7.66%	6.88%	5.73%	4.96%	4.26%	1.13%	5.07%	3.94%	9.67%	8.09%	8.95%	6.24%
PKNE	COWLEY RIDGE WIND POWER PHASE	264	69	8.29%	7.48%	6.17%	5.29%	4.62%	1.34%	5.27%	4.19%	10.40%	8.50%	9.44%	6.64%
CRWD	COWLEY RIDGE WIND POWER PHASE	264	69	8.29%	7.48%	6.17%	5.29%	4.62%	1.34%	5.27%	4.19%	10.40%	8.50%	9.44%	6.64%
DAI1	DIASHOWA	1089	13.8	-10.27%	-9.06%	-9.59%	-10.12%	-9.03%	-10.39%	-10.80%	-10.20%	-8.86%	-11.40%	-9.39%	-9.28%
DKSN	DICKSON DAM 1	6	4.16	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
DOWGEN1HR	DOW GTG	61	13.8	6.30%	6.40%	0.00%	5.44%	5.78%	5.80%	4.98%	4.46%	3.77%	4.75%	4.60%	4.12%
DV1	DRAYTON VALLEY PL IPP	332	13.8	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	2.04%	1.16%	1.18%	1.44%	0.88%	-1.75%	2.26%	1.07%	3.67%	3.79%	4.04%	2.14%
FNG1	FORT NELSON	1015	13.8	-11.24%	-9.50%	-11.85%	-4.45%	-9.07%	-20.03%	-12.33%	-10.63%	-8.13%	-9.17%	-7.58%	-8.98%
EC04	FOSTER CREEK G1	3301	13.8	10.65%	11.53%	11.16%	8.30%	9.65%	9.41%	9.42%	8.68%	6.59%	8.97%	8.80%	9.61%
EC04b	FOSTER CREEK G1	3302	13.8	10.65%	11.38%	11.16%	8.41%	9.65%	9.52%	9.43%	8.68%	6.59%	9.05%	8.80%	9.62%
GN1	GENESEE 1	491	20.5	11.28%	11.13%	10.96%	10.66%	10.51%	11.18%	10.27%	10.42%	9.70%	9.82%	9.12%	8.61%
GN2	GENESEE 2	492	20.5	11.28%	11.14%	10.94%	10.64%	10.49%	11.18%	9.97%	10.28%	9.69%	9.90%	9.23%	8.66%
GN3	GENESEE 3	490	22	11.35%	11.13%	10.97%	10.63%	10.45%	11.14%	10.03%	10.26%	9.68%	9.85%	9.16%	8.79%
GHO	GHOST	3181	2.3	-3.94%	-3.74%	-1.96%	-2.88%	-3.46%	-2.04%	0.90%	-0.76%	-0.07%	-2.07%	-1.85%	-1.02%
GHOb	GHOST	181	13.2	-4.03%	-4.17%	-3.05%	-3.09%	-3.87%	-2.85%	-0.72%	-2.03%	-1.60%	-2.35%	-2.81%	-2.09%
0000022911	GLENWOOD	4245	25	-0.10%	-0.90%	-0.59%	0.91%	0.10%	-2.54%	3.49%	2.40%	4.30%	3.43%	3.49%	0.12%
GPEC	GRANDE PRAIRIE ECOPOWER CENTR	17101	13.8	-7.21%	-5.52%	-8.76%	-12.87%	-6.54%	-7.16%	-11.29%	-9.86%	-10.18%	-11.94%	-9.40%	-5.87%

2007 Raw Loss Factors (%)															
MP ID	Names from GSO	MPID BUS	Voltage kV	WNL	WNM	WNP	SPL	SPM	SPP	SML	SMM	SMP	FLL	FLM	FLP
HSH	HORSESHOE	172	12	-4.28%	-3.52%	-1.93%	-3.49%	-3.54%	-2.04%	-0.60%	-1.65%	-0.23%	-2.49%	-2.00%	-1.15%
HRM	HR MILNER	1148	15	-10.69%	-9.29%	-7.31%	-12.17%	-8.58%	-9.49%	-12.40%	-10.72%	-6.35%	-13.01%	-9.66%	-8.02%
INT	INTERLAKES	377	4.16	-4.15%	-1.56%	1.34%	-3.79%	-3.14%	-0.17%	-1.46%	-1.88%	2.37%	-2.56%	-0.53%	2.12%
KAN	KANANASKIS	196	12	-4.24%	-3.48%	-1.88%	-3.45%	-3.50%	-2.00%	-0.49%	-1.57%	-0.15%	-2.44%	-1.95%	-1.10%
KH1	KEEPHILLS #1	424	19	11.05%	10.87%	10.69%	10.49%	10.37%	10.92%	9.89%	10.06%	9.56%	9.54%	8.88%	8.34%
KH2	KEEPHILLS #2	422	19	11.07%	10.89%	10.75%	10.29%	10.19%	10.95%	9.96%	10.13%	9.51%	9.71%	9.07%	8.60%
KHW1	KETTLES HILL WIND ENERGY PHASE 2	3402	34.5	3.27%	2.25%	2.19%	2.76%	1.63%	-0.12%	3.36%	2.35%	4.40%	4.99%	4.85%	3.31%
KHW1b	KETTLES HILL WIND ENERGY PHASE 2	2402	34.5	3.27%	2.25%	2.19%	2.76%	1.64%	-0.11%	3.37%	2.37%	4.42%	4.99%	4.85%	3.31%
IOR1	MAHKESES, COLD LAKE	56789													
AKE1	McBRIDE	2901	25	2.50%	1.29%	1.34%	2.16%	0.77%	-0.14%	2.45%	1.74%	2.34%	3.98%	3.34%	2.33%
AKE1b	McBRIDE	4901	25	2.55%	1.35%	1.39%	2.19%	0.80%	-0.12%	2.48%	1.77%	2.38%	4.03%	3.39%	2.38%
AKE1c	McBRIDE	3901	25	2.55%	1.35%	1.39%	2.19%	0.80%	-0.12%	2.47%	1.77%	2.38%	4.03%	3.39%	2.37%
MKRC	McKAY RIVER	1274	240	3.95%	7.68%	6.27%	3.81%	6.40%	7.76%	2.81%	3.63%	3.06%	3.26%	3.74%	4.77%
MKR1	MUSKEG	1236	240	4.97%	9.10%	7.82%	4.28%	7.02%	8.37%	3.44%	4.64%	4.24%	4.11%	4.54%	5.92%
Project_432_1	NEXEN OPTI	13249	13.8	4.49%	8.76%	7.47%	4.44%	6.83%	8.13%	4.12%	4.89%	4.05%	4.53%	4.74%	5.83%
Project_432_1b	NEXEN OPTI	11241	13.8	6.23%	10.53%	9.26%	6.19%	8.58%	9.91%	5.88%	6.61%	5.77%	6.22%	6.46%	7.60%
Project_432_1c	NEXEN OPTI	12249	13.8	4.52%	8.79%	7.50%	4.46%	6.86%	8.16%	4.15%	4.91%	4.08%	4.53%	4.76%	5.86%
NPC1	NORTHSTONE ELMWORTH	20134	6.9	-19.23%	-15.43%	-13.61%	-20.04%	-15.76%	-16.59%	-19.75%	-18.02%	-14.27%	-21.68%	-17.93%	-16.34%
NOVAGEN15M	NOVA JOFFRE	383	138	0.43%	0.69%	1.25%	0.79%	0.56%	0.54%	2.45%	2.27%	1.85%	1.37%	1.07%	1.01%
OMRH	OLDMAN	2230	13.8	3.90%	2.94%	2.67%	2.93%	1.90%	-0.21%	3.51%	2.42%	5.09%	5.33%	5.42%	3.59%
WEY1	P&G WEYERHAUSER	1141	13.8	-11.67%	-8.59%	-7.08%	-13.00%	-8.88%	-9.48%	-13.48%	-11.14%	-6.64%	-14.21%	-10.47%	-8.76%
0000039611	PINCHER CREEK	4224	25	3.43%	2.43%	2.57%	2.87%	2.00%	-0.22%	3.76%	2.62%	5.14%	5.48%	5.54%	3.66%
0000035311	PLAMONDON	4304	25	2.89%	0.69%	-0.51%	-4.01%	-0.78%	3.67%	0.38%	0.11%	0.08%	1.93%	1.76%	-1.45%
POC	POCATERRA	214	13.8	-4.38%	-3.55%	-2.02%	-3.76%	-3.79%	-2.45%	-1.42%	-2.29%	-0.46%	-2.69%	-2.04%	-1.21%
PH1	POPLAR HILL	16118	13.8	-20.35%	-17.13%	-15.38%	-20.79%	-16.64%	-17.63%	-20.38%	-18.88%	-15.43%	-22.80%	-18.91%	-17.53%
PR1	PRIMROSE	1302	138	7.57%	8.91%	8.19%	6.26%	7.46%	7.93%	7.37%	6.71%	4.93%	6.75%	6.53%	6.84%
RB1	RAINBOW 1	1031	14.4	-8.97%	-6.96%	-9.30%	-1.34%	-5.84%	-11.44%	-9.32%	-7.83%	-5.20%	-6.68%	-5.27%	-6.54%
RB2	RAINBOW 2	1032	14.4	-8.97%	-7.05%	-9.44%	-1.34%	-5.84%	-11.44%	-9.32%	-8.08%	-5.20%	-7.29%	-6.05%	-6.59%
RB3	RAINBOW 3	1033	14.4	-8.96%	-6.96%	-9.29%	-1.34%	-5.83%	-11.44%	-9.30%	-7.81%	-5.19%	-6.67%	-5.26%	-6.53%
RL1	RAINBOW 4, RL1	1035	13.8	-20.87%	-19.17%	-21.93%	-11.32%	-16.32%	-22.57%	-19.77%	-18.12%	-15.47%	-16.90%	-15.44%	-17.40%
RB5	RAINBOW 5	1037	14.4	-14.54%	-14.62%	-17.85%	-8.02%	-13.07%	-20.36%	-12.18%	-13.14%	-11.86%	-12.27%	-12.26%	-14.89%
RYMD	RAYMOND RESERVOIR	414	13.8	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
TC02	REDWATER	50	138	6.07%	6.10%	5.14%	5.05%	5.61%	5.37%	4.56%	4.13%	3.37%	4.43%	4.29%	3.92%
RG8	ROSSDALE 8	497	14.4	7.92%	7.40%	6.92%	7.27%	6.91%	7.18%	6.69%	6.14%	5.35%	6.43%	5.97%	5.29%
RG9	ROSSDALE 9	498	14.4	7.93%	7.40%	6.92%	7.27%	6.91%	7.18%	6.69%	6.14%	5.35%	6.43%	5.96%	5.30%
RG10	ROSSDALE 10	499	14.4	7.93%	7.40%	6.92%	7.27%	6.91%	7.18%	6.69%	6.14%	5.35%	6.43%	5.97%	5.30%
RUN	RUNDLE	197	13.8	-4.83%	-3.37%	-1.51%	-4.13%	-3.60%	-1.74%	-1.11%	-1.85%	0.19%	-3.17%	-2.16%	-0.92%
SH2	SHEERNESS #2	1487	19	2.87%	3.23%	3.34%	3.10%	3.17%	3.40%	3.50%	4.76%	5.66%	5.42%	5.33%	5.66%
SH1	SHEERNESS #1	1482	19	3.07%	3.29%	3.51%	3.07%	3.24%	3.47%	2.62%	4.35%	5.64%	5.53%	5.31%	5.57%
SCTG	SHELL SCOTFORD	43	138	6.35%	6.38%	5.48%	5.21%	5.96%	5.77%	4.82%	4.48%	3.62%	4.60%	4.54%	4.23%
GWW1	SODERGLEN	4358	25	2.22%	1.05%	1.13%	2.00%	0.65%	-0.20%	2.35%	1.61%	2.16%	3.74%	3.10%	2.16%
SPR	SPRAY	174	13.2	-4.69%	-3.37%	-1.54%	-3.98%	-3.52%	-1.72%	-0.97%	-1.74%	0.17%	-3.02%	-2.09%	-0.94%
SPRb	SPRAY	190	13.2	-4.74%	-3.35%	-1.51%	-3.98%	-3.51%	-1.70%	-0.96%	-1.73%	0.19%	-3.02%	-2.08%	-0.92%
0000038511	SPRING COULEE	4246	25	0.01%	-1.44%	-1.54%	1.62%	-0.43%	-2.02%	3.43%	2.46%	3.06%	3.16%	2.15%	-0.32%
STMY	ST MARY IPP	448	4.16	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
0000006711	STIRLING	4280	25	-4.05%	-5.32%	-5.76%	-0.86%	-3.65%	-4.10%	0.82%	1.58%	0.54%	-0.82%	-1.96%	-4.00%
0000006711b	STIRLING	450	4.16	0.00%	0.00%	0.00%	-0.31%	-3.60%	-4.10%	1.36%	1.91%	0.00%	0.00%	0.00%	0.00%
ST2	STURGEON 2	1168	4.2	-4.72%	-2.99%	-2.46%	-5.64%	-3.63%	-4.02%	-6.60%	-5.38%	-3.03%	-6.58%	-3.86%	-3.01%

2007 Raw Loss Factors (%)															
MP ID	Names from GSO	MPID BUS	Voltage kV	WNL	WNM	WNP	SPL	SPM	SPP	SML	SMM	SMP	FLL	FLM	FLP
ST1	STURGEON 1	1167	14.4	-4.72%	-2.99%	-2.46%	-5.64%	-3.63%	-4.02%	-6.60%	-5.37%	-3.03%	-6.58%	-3.86%	-3.01%
IEW1	SUMMERVIEW 1	3336	34.5	4.00%	3.05%	2.89%	3.42%	2.31%	0.18%	4.22%	3.09%	5.77%	5.94%	6.01%	4.21%
IEW1b	SUMMERVIEW 1	4336	34.5	4.01%	3.06%	2.89%	3.43%	2.31%	0.18%	4.22%	3.09%	5.79%	5.95%	6.01%	4.21%
SCR1	SUNCOR	1208	240	3.95%	8.27%	6.77%	4.08%	6.49%	8.24%	3.20%	3.73%	3.35%	3.45%	3.72%	5.30%
Project_459_1	SUNCOR HILLRIDGE WIND FARM	2389	25	-2.12%	-2.44%	-2.37%	-1.43%	-2.17%	-2.71%	-1.44%	-1.02%	-2.08%	-0.11%	-0.34%	-0.77%
SCR2	SUNCOR MAGRATH	11008	0	1.12%	-0.16%	-0.34%	1.93%	-0.37%	-0.92%	2.44%	2.12%	1.90%	3.10%	2.09%	0.53%
SCR2b	SUNCOR MAGRATH	11009	0	1.11%	-0.17%	-0.34%	1.93%	-0.37%	-0.92%	2.43%	2.12%	1.90%	3.10%	2.09%	0.53%
SCR2c	SUNCOR MAGRATH	11010	0	1.12%	-0.17%	-0.34%	1.93%	-0.37%	-0.92%	2.43%	2.12%	1.90%	3.10%	2.09%	0.53%
SCR2d	SUNCOR MAGRATH	11011	0	1.11%	-0.17%	-0.34%	1.93%	-0.37%	-0.92%	2.43%	2.12%	1.90%	3.10%	2.09%	0.53%
SCR2e	SUNCOR MAGRATH	11012	0	1.12%	-0.16%	-0.34%	1.93%	-0.37%	-0.92%	2.44%	1.96%	1.90%	3.10%	2.09%	0.36%
SCR2f	SUNCOR MAGRATH	11013	13.8	1.12%	-0.16%	-0.34%	1.93%	-0.37%	-0.92%	2.44%	2.12%	1.90%	3.10%	2.09%	0.53%
SCR2g	SUNCOR MAGRATH	11014	0	1.12%	-0.16%	-0.34%	1.93%	-0.37%	-0.92%	2.44%	2.12%	1.90%	3.10%	2.09%	0.54%
SCR2h	SUNCOR MAGRATH	11015	0	1.12%	-0.16%	-0.34%	1.93%	-0.37%	-0.92%	2.44%	2.12%	1.90%	3.10%	2.09%	0.53%
SCR2i	SUNCOR MAGRATH	11016	0	1.12%	-0.16%	-0.34%	1.93%	-0.37%	-0.92%	2.44%	2.12%	1.90%	3.10%	2.09%	0.54%
SCR2j	SUNCOR MAGRATH	11017	0	1.12%	-0.16%	-0.34%	1.93%	-0.37%	-0.92%	2.44%	2.12%	1.90%	3.10%	2.09%	0.54%
SCR2k	SUNCOR MAGRATH	11018	0	1.12%	-0.16%	-0.34%	1.93%	-0.37%	-0.92%	2.44%	2.12%	1.90%	3.10%	2.09%	0.53%
SCR2l	SUNCOR MAGRATH	11019	0	1.12%	-0.16%	-0.34%	1.93%	-0.37%	-0.92%	2.44%	1.96%	1.90%	3.10%	2.09%	0.54%
SCR2m	SUNCOR MAGRATH	11021	0	1.12%	-0.16%	-0.34%	1.93%	-0.37%	-1.06%	2.44%	2.12%	1.74%	3.10%	2.09%	0.54%
SCR2n	SUNCOR MAGRATH	11001	0	1.11%	-0.17%	-0.34%	1.93%	2.80%	-0.92%	2.43%	2.11%	1.90%	3.10%	2.08%	0.53%
SCR2o	SUNCOR MAGRATH	11002	0.575	1.12%	-0.16%	-0.34%	1.93%	-0.37%	-0.92%	2.44%	2.12%	1.90%	3.10%	2.09%	0.54%
SCR2p	SUNCOR MAGRATH	11003	0	1.12%	-0.16%	-0.34%	1.93%	-0.37%	-0.92%	2.44%	2.12%	1.90%	3.10%	2.09%	0.54%
SCR2q	SUNCOR MAGRATH	11004	0	1.12%	-0.16%	-0.34%	1.93%	-0.37%	-0.92%	2.43%	2.12%	1.90%	3.10%	2.09%	0.53%
SCR2r	SUNCOR MAGRATH	11005	0	1.11%	-0.17%	-0.34%	1.93%	-0.37%	-0.92%	2.43%	2.12%	1.90%	3.10%	2.09%	0.53%
SCR2s	SUNCOR MAGRATH	11006	0	1.12%	-0.16%	-0.34%	1.93%	-0.37%	-0.92%	2.44%	2.12%	1.90%	3.10%	2.09%	0.54%
SCR2t	SUNCOR MAGRATH	11007	0	1.12%	-0.16%	-0.34%	1.93%	-0.37%	-0.92%	2.44%	2.12%	1.90%	3.10%	2.09%	0.54%
SD2	SUNDANCE #2	338	18	10.40%	10.70%	10.56%	9.98%	10.36%	10.68%	8.86%	8.31%	8.45%	9.14%	9.53%	10.13%
SD1	SUNDANCE #1	129	18	10.41%	10.71%	10.58%	9.96%	10.34%	10.65%	8.82%	8.28%	8.43%	9.13%	9.47%	10.10%
SD4	SUNDANCE #4	342	20	10.34%	10.59%	10.44%	9.94%	10.28%	10.57%	8.72%	8.28%	8.38%	9.11%	9.40%	10.01%
SD6	SUNDANCE #6	345	20	10.31%	10.59%	10.44%	9.88%	10.23%	10.55%	8.75%	8.21%	8.35%	9.06%	9.39%	10.00%
SD5	SUNDANCE #5	350	20	10.21%	10.44%	10.28%	9.77%	10.09%	10.43%	8.63%	8.16%	8.49%	8.96%	9.27%	9.89%
SD3	SUNDANCE #3	130	20	10.35%	10.60%	10.46%	9.94%	10.28%	10.57%	8.82%	8.24%	8.36%	9.11%	9.41%	10.04%
SCL1	SYNCRUDE	1205	240	5.05%	9.64%	8.43%	4.59%	7.44%	8.91%	3.96%	5.27%	4.85%	4.71%	5.16%	6.80%
Project_384_1	TABER WIND	4343	25	-3.12%	-3.03%	-3.08%	-2.72%	-3.04%	-3.83%	-3.01%	-2.51%	-3.98%	-1.16%	-0.94%	-1.33%
Project_384_1b	TABER WIND	3343	25	-3.12%	-3.03%	-3.07%	-2.71%	-3.04%	-3.82%	-3.01%	-2.51%	-3.98%	-1.16%	-0.93%	-1.33%
TAY1	TAYLOR HYDRO	4670	13.8	-0.21%	-1.41%	-1.50%	1.60%	-0.63%	-1.18%	2.47%	2.67%	2.63%	2.44%	1.32%	-0.33%
TAY2	TAYLOR WIND PLANT	4670	13.8	-0.21%	-1.41%	-1.50%	1.60%	-0.63%	-1.18%	2.47%	2.67%	2.63%	2.44%	1.32%	-0.33%
THS	THREE SISTERS	381	6.9	-4.41%	-2.11%	0.14%	-4.10%	-3.11%	-0.89%	-0.73%	-0.86%	2.07%	-2.96%	-1.18%	0.68%
VVW1	VALLEYVIEW	1171	13.8	-3.63%	-2.15%	-1.79%	-4.60%	-2.70%	-2.96%	-5.60%	-4.54%	-2.25%	-5.51%	-3.00%	-2.07%
WB4	WABAMUN #4	146	18.5	9.73%	9.85%	9.58%	9.28%	9.47%	9.75%	8.20%	7.53%	7.47%	8.35%	8.48%	8.85%
WTRN	WATER IPP	449	4.16	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
WST1	WESGEN	14	13.8	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	408	12.5	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
0000016301	Amoco Empress (163S)	262	240	-1.38%	-0.03%	0.20%	-1.68%	-0.16%	-0.76%	-2.12%	-0.19%	2.86%	1.30%	1.54%	2.60%
0000016601	DOW FT Saskatchewan (166S)	9961	0	6.30%	6.40%	5.57%	5.44%	5.79%	5.80%	4.98%	4.46%	3.77%	4.76%	4.60%	4.12%
0000079301	ANG Cochrane (793S)	191	138	-4.08%	-4.57%	-3.67%	-3.07%	-4.17%	-3.32%	-1.11%	-2.44%	-2.29%	-2.40%	-3.57%	-2.59%
341S025	Syncrude Standby (848S)	1200	240	5.28%	9.89%	8.55%	4.75%	7.76%	9.50%	4.03%	5.33%	4.88%	4.74%	5.22%	6.81%

2008 Raw Loss Factors (%)															
MP ID	Names from GSO	MPID BUS	Voltage kv	WNL	WNM	WNP	SPL	SPM	SPP	SML	SMM	SMP	FLL	FLM	FLP
NX01	BALZAC	4290	13.8	-3.04%	-3.37%	-3.95%	-3.46%	-4.28%	-5.51%	-2.31%	-1.75%	-1.97%	-1.98%	-3.95%	-3.88%
NX01b	BALZAC	3290	13.8	-3.05%	-3.36%	-3.92%	-3.47%	-4.28%	-5.52%	-2.33%	-1.78%	-2.02%	-1.83%	-3.98%	-3.90%
BAR	BARRIER	222	13.2	-7.64%	-5.69%	-5.14%	-6.88%	-5.76%	-7.16%	-5.43%	-4.76%	-3.49%	-7.21%	-7.91%	-7.13%
BR3	BATTLE RIVER #3	1495	16	7.37%	7.21%	6.73%	5.08%	7.29%	6.32%	5.09%	7.96%	8.66%	4.32%	3.92%	5.17%
BR4	BATTLE RIVER #4	1496	16	7.26%	7.14%	6.81%	4.65%	7.03%	6.30%	4.96%	7.98%	8.65%	4.45%	4.14%	5.39%
BR5	BATTLE RIVER #5	1497	21	3.92%	3.76%	3.39%	2.41%	3.94%	3.15%	2.13%	4.69%	5.48%	2.69%	2.18%	2.59%
BCR2	BEAR CREEK G2	19142	13.8	-6.27%	-5.10%	-2.34%	-5.11%	-5.46%	0.04%	-8.62%	-6.18%	-1.74%	-3.31%	5.28%	1.14%
BCRK	BEAR CREEK G1	18142	13.8	-5.64%	-5.82%	-3.96%	-5.04%	-5.78%	-1.06%	-8.24%	-5.75%	-1.43%	-3.39%	4.72%	-0.08%
BPW	BEARSPAW	183	13.2	-5.07%	-5.60%	-6.61%	-5.03%	-6.04%	-7.85%	-3.69%	-4.07%	-4.83%	-4.54%	-7.23%	-7.37%
BLYR	BELLY RIVER IPP	447	4.16	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
BIG	BIGHORN	108	13.8	-0.40%	1.14%	1.63%	-0.19%	1.28%	0.50%	0.06%	2.14%	3.95%	-1.19%	-0.28%	2.12%
BIGb	BIGHORN	102	13.8	-0.39%	1.14%	1.63%	-0.18%	1.29%	0.50%	0.06%	2.15%	3.96%	-1.19%	-0.27%	2.13%
BRA	BRAZEAU	33	13.2	1.64%	3.05%	3.12%	0.71%	2.33%	1.48%	1.16%	2.49%	3.01%	0.72%	1.65%	2.15%
BRAb	BRAZEAU	154	13.8	2.59%	3.54%	3.75%	2.31%	2.96%	2.51%	2.79%	3.25%	3.73%	1.82%	2.21%	2.70%
BRAc	BRAZEAU	151	13.8	2.59%	3.55%	3.77%	2.31%	2.97%	2.51%	2.80%	3.26%	3.74%	1.82%	2.22%	2.70%
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	5.00%	5.72%	5.17%	5.29%	5.39%	5.27%	5.36%	4.87%	5.50%	3.30%	4.10%	3.90%
CES1	CALPINE CTG	3187	13.8	-2.94%	-3.39%	-4.00%	-3.29%	-4.13%	-5.51%	-2.24%	-1.63%	-2.00%	-1.71%	-3.88%	-3.85%
CES2	CALPINE STG	4187	18	-2.99%	-3.50%	-4.20%	-3.30%	-4.17%	-5.60%	-2.26%	-1.77%	-2.22%	-1.82%	-4.06%	-4.06%
TC01	CARSELAND	3251	13.8	-3.57%	-3.91%	-4.77%	-3.67%	-4.34%	-5.97%	-2.55%	-2.11%	-2.31%	-1.43%	-3.79%	-3.62%
TC01b	CARSELAND	4251	13.8	-3.56%	-3.95%	-4.81%	-3.69%	-4.37%	-5.96%	-2.57%	-2.13%	-2.33%	-1.44%	-3.82%	-3.65%
CAS	CASCADE	176	13.2	-8.80%	-6.61%	-5.71%	-7.69%	-6.52%	-7.78%	-6.48%	-5.68%	-4.22%	-8.28%	-8.85%	-8.13%
CR1	CASTLE RIVER	3234	25	1.67%	0.39%	-0.89%	0.64%	0.60%	-1.54%	1.08%	0.33%	-0.01%	1.14%	-1.30%	-0.93%
CR1b	CASTLE RIVER	2234	25	1.55%	0.23%	-1.04%	0.64%	0.60%	-1.54%	1.09%	0.34%	-0.01%	1.15%	-1.29%	-0.92%
EC01	CAVAILIER	4247	13.8	-5.65%	-3.99%	-4.27%	-5.98%	-4.36%	-5.24%	-5.65%	-2.48%	-0.92%	-1.00%	-2.21%	-1.69%
EC01b	CAVAILIER	3247	13.8	-5.59%	-3.60%	-3.47%	-5.95%	-4.00%	-4.69%	-5.45%	-2.00%	-0.24%	-0.49%	-1.41%	-0.87%
CHIN	CHIN CHUTE	407	13.8	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CMH1	CITY OF MEDICINE HAT	680	138	-7.69%	-5.70%	-5.65%	-10.54%	-8.16%	-9.41%	-7.95%	-3.75%	-2.09%	-0.90%	-2.25%	-1.38%
ENC1	CLOVER BAR PEAKER (STAGE 1 - LM6000)	25516	13.8	8.26%	8.67%	8.79%	8.41%	8.22%	8.94%	7.72%	6.97%	6.42%	6.44%	6.93%	7.63%
CRE1	COWLEY EXPANSION 1	4264	25	5.71%	3.92%	2.11%	3.16%	3.75%	1.98%	2.46%	1.89%	1.80%	3.36%	1.34%	1.91%
CRE2	COWLEY EXPANSION 2	265	34.5	6.65%	4.75%	2.96%	3.66%	4.36%	2.50%	2.76%	2.26%	2.17%	3.87%	1.87%	2.64%
CRE3	COWLEY NORTH	255	34.5	6.59%	4.67%	2.95%	3.58%	4.29%	2.42%	2.69%	2.21%	2.11%	3.81%	1.80%	2.59%
PKNE	COWLEY RIDGE WIND POWER PHASE1	264	69	7.22%	5.29%	3.43%	4.01%	4.81%	3.03%	2.92%	2.52%	2.44%	4.18%	2.27%	3.04%
CRWD	COWLEY RIDGE WIND POWER PHASE2	264	69	7.22%	5.29%	3.43%	4.01%	4.81%	3.03%	2.92%	2.52%	2.44%	4.18%	2.27%	3.04%
DAI1	DIASHOWA	1089	13.8	-6.80%	-7.55%	-5.14%	-5.78%	-5.64%	-0.88%	-5.97%	-6.61%	-3.49%	-5.20%	-0.17%	-2.85%
DKSN	DICKSON DAM 1	6	4.16	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
DOWGEN15M	DOW GTG	61	138	7.76%	8.06%	8.12%	7.88%	7.67%	8.58%	6.88%	5.93%	5.19%	5.51%	6.25%	6.93%
DV1	DRAYTON VALLEY PL IPP	332	13.8	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	0.75%	-0.78%	-1.95%	-0.10%	-0.15%	-2.36%	0.62%	-0.84%	-1.12%	0.13%	-2.42%	-2.19%
FNG1	FORT NELSON	1015	13.8	-8.79%	-10.74%	-5.88%	-10.30%	-6.44%	4.76%	8.58%	-5.79%	1.04%	-3.86%	-6.55%	0.84%
EC04	FOSTER CREEK G1	3301	13.8	9.98%	10.73%	11.33%	9.62%	9.23%	13.36%	9.33%	6.26%	4.88%	7.61%	9.07%	8.18%
EC04b	FOSTER CREEK G1	3302	13.8	9.71%	10.73%	11.22%	8.51%	8.51%	13.36%	8.31%	6.26%	4.93%	7.61%	9.07%	7.15%
0000001511	FT MACLEOD	4237	25	-2.53%	-3.22%	-4.21%	-3.48%	-3.63%	-5.84%	-2.88%	-2.51%	-3.24%	-0.71%	-3.61%	-3.41%
GN2	GENESEE 2	492	20.5	10.95%	11.11%	11.34%	11.16%	10.91%	11.13%	10.92%	10.18%	9.71%	9.20%	9.35%	10.17%
GN1	GENESEE 1	491	20.5	10.94%	11.09%	11.32%	11.19%	10.93%	11.13%	10.92%	10.17%	9.71%	9.16%	9.30%	10.15%
GN3	GENESEE 3	490	22	11.10%	11.24%	11.45%	11.33%	11.08%	11.32%	11.09%	10.33%	9.87%	9.33%	9.45%	10.32%
GHO	GHOST	181	13.2	-6.94%	-6.14%	-6.36%	-6.62%	-6.24%	-7.96%	-5.09%	-4.96%	-4.65%	-6.51%	-8.09%	-7.69%
GHOb	GHOST	3181	2.3	-6.84%	-5.79%	-5.47%	-6.42%	-5.84%	-7.59%	-4.12%	-4.02%	-3.36%	-6.41%	-7.67%	-7.23%
0000022911	GLENWOOD	4245	25	-2.28%	-3.59%	-5.67%	-0.04%	-1.25%	-4.24%	1.42%	-0.04%	-1.05%	0.30%	-2.96%	-5.11%

2008 Raw Loss Factors (%)															
MP ID	Names from GSO	MPID BUS	Voltage kV	WNL	WNM	WNP	SPL	SPM	SPP	SML	SMM	SMP	FLL	FLM	FLP
0000006711	STIRLING	4280	25	-6.32%	-6.37%	-7.20%	-5.72%	-6.76%	-8.23%	-4.78%	-2.50%	-3.40%	-2.36%	-4.81%	-6.12%
0000006711b	STIRLING	450	4.16	0.00%	0.00%	0.00%	-5.50%	-6.71%	-8.23%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
ST2	STURGEON 2	1168	4.2	-1.59%	-1.02%	0.99%	-1.16%	-0.66%	2.88%	-2.97%	-1.91%	1.37%	-0.62%	4.87%	2.74%
ST1	STURGEON 1	1167	14.4	-1.59%	-1.02%	0.99%	-1.16%	-0.66%	2.88%	-2.97%	-1.91%	1.37%	-0.60%	4.89%	2.74%
IEW1	SUMMERVIEW 1	3336	34.5	2.37%	0.95%	-0.41%	1.50%	1.46%	-0.84%	1.95%	1.04%	0.67%	1.83%	-0.64%	-0.26%
IEW1b	SUMMERVIEW 1	4336	34.5	2.39%	0.95%	-0.40%	1.50%	1.46%	-0.84%	1.96%	1.05%	0.67%	1.84%	-0.63%	-0.25%
SCR1	SUNCOR	1208	240	7.82%	9.09%	9.93%	7.82%	8.17%	11.68%	5.73%	5.88%	5.22%	7.23%	9.94%	9.17%
SCR3	SUNCOR HILLRIDGE WIND FARM	2389	25	-4.81%	-4.71%	-5.32%	-6.93%	-6.13%	-8.24%	-6.15%	-4.05%	-4.03%	-1.99%	-4.65%	-4.02%
SCR2	SUNCOR MAGRATH	11008	0	-1.24%	-2.26%	-2.95%	-2.24%	-2.69%	-5.52%	-1.66%	-0.53%	-1.64%	0.74%	-2.54%	-2.42%
SCR2b	SUNCOR MAGRATH	11009	0	-1.24%	-2.26%	-2.95%	-2.24%	-2.69%	-5.52%	-1.66%	-0.53%	-1.64%	0.74%	-2.54%	-2.42%
SCR2c	SUNCOR MAGRATH	11010	0	-1.24%	-2.26%	-2.95%	-2.24%	-2.69%	-5.52%	-1.66%	-0.53%	-1.64%	0.74%	-2.54%	-2.42%
SCR2d	SUNCOR MAGRATH	11011	0	-1.24%	-2.26%	-2.95%	-2.24%	-2.69%	-5.52%	-1.66%	-0.53%	-1.64%	0.74%	-2.54%	-2.42%
SCR2e	SUNCOR MAGRATH	11012	0	-1.24%	-2.26%	-2.95%	-2.24%	-2.69%	-5.52%	-1.66%	-0.53%	-1.64%	0.74%	-2.54%	-2.42%
SCR2f	SUNCOR MAGRATH	11013	13.8	-1.24%	-2.26%	-2.95%	-2.24%	-2.69%	-5.52%	-1.66%	-0.53%	-1.64%	0.74%	-2.54%	-2.42%
SCR2g	SUNCOR MAGRATH	11014	0	-1.24%	-2.26%	-2.95%	-2.24%	-2.69%	-5.52%	-1.66%	-0.53%	-1.64%	0.74%	-2.54%	-2.42%
SCR2h	SUNCOR MAGRATH	11015	0	-1.24%	-2.26%	-2.95%	-2.24%	-2.69%	-5.52%	-1.66%	-0.53%	-1.64%	0.74%	-2.54%	-2.42%
SCR2i	SUNCOR MAGRATH	11016	0	-1.24%	-2.26%	-2.95%	-2.24%	-2.69%	-5.52%	-1.66%	-0.53%	-1.64%	0.74%	-2.54%	-2.42%
SCR2j	SUNCOR MAGRATH	11017	0	-1.24%	-2.26%	-2.95%	-2.24%	-2.69%	-5.52%	-1.66%	-0.53%	-1.64%	0.74%	-2.54%	-2.42%
SCR2k	SUNCOR MAGRATH	11018	0	-1.24%	-2.26%	-2.95%	-2.24%	-2.69%	-5.52%	-1.66%	-0.53%	-1.64%	0.74%	-2.54%	-2.42%
SCR2l	SUNCOR MAGRATH	11019	0	-1.24%	-2.26%	-2.95%	-2.24%	-2.69%	-5.52%	-1.66%	-0.53%	-1.64%	0.74%	-2.54%	-2.42%
SCR2m	SUNCOR MAGRATH	11021	0	-1.24%	-2.26%	-2.95%	-2.24%	-2.69%	-5.52%	-1.66%	-0.53%	-1.64%	0.74%	-2.54%	-2.42%
SCR2n	SUNCOR MAGRATH	11001	0	-1.24%	-2.26%	-2.95%	-2.24%	-2.69%	-5.20%	-1.14%	0.00%	-1.13%	0.73%	-2.22%	-2.43%
SCR2o	SUNCOR MAGRATH	11002	0.575	-1.24%	-2.26%	-2.95%	-2.24%	-2.69%	-5.52%	-1.12%	0.01%	-1.11%	0.74%	-2.54%	-2.42%
SCR2p	SUNCOR MAGRATH	11003	0	-1.24%	-2.26%	-2.95%	-2.24%	-2.69%	-5.52%	-1.12%	0.01%	-1.43%	0.74%	-2.54%	-2.42%
SCR2q	SUNCOR MAGRATH	11004	0	-1.24%	-2.26%	-2.95%	-2.24%	-2.69%	-5.52%	-1.13%	0.00%	-1.64%	0.74%	-2.54%	-2.42%
SCR2r	SUNCOR MAGRATH	11005	0	-1.24%	-2.26%	-2.95%	-2.24%	-2.69%	-5.52%	-1.13%	0.00%	-1.64%	0.74%	-2.54%	-2.42%
SCR2s	SUNCOR MAGRATH	11006	0	-1.24%	-2.26%	-2.95%	-2.24%	-2.69%	-5.52%	-1.12%	-0.53%	-1.64%	0.74%	-2.54%	-2.42%
SCR2t	SUNCOR MAGRATH	11007	0	-1.24%	-2.26%	-2.95%	-2.24%	-2.69%	-5.52%	-1.30%	-0.53%	-1.64%	0.74%	-2.54%	-2.42%
SD1	SUNDANCE #1	338	18	11.53%	12.13%	12.79%	11.78%	11.95%	12.72%	10.65%	10.10%	10.34%	9.98%	11.24%	11.70%
SD2	SUNDANCE #2	129	18	11.53%	12.13%	12.78%	11.75%	11.91%	12.69%	10.62%	10.09%	10.37%	9.95%	11.22%	11.69%
SD3	SUNDANCE #3	130	20	11.45%	12.03%	12.69%	11.72%	11.84%	12.58%	10.62%	10.04%	10.29%	9.92%	11.27%	11.62%
SD5	SUNDANCE #5	345	20	11.39%	11.97%	12.61%	11.67%	11.81%	12.54%	10.54%	10.06%	10.41%	9.86%	11.09%	11.57%
SD4	SUNDANCE #4	350	20	11.34%	11.88%	12.50%	11.52%	11.63%	12.36%	10.45%	9.86%	10.07%	9.76%	10.96%	11.56%
SD6	SUNDANCE #6	342	20	11.30%	11.87%	12.51%	11.50%	11.62%	12.52%	10.43%	9.83%	10.03%	9.75%	10.97%	11.41%
SCL1	SYNCRUDE	1205	240	9.09%	10.43%	11.45%	8.98%	9.80%	14.09%	6.27%	7.02%	6.34%	8.08%	11.05%	10.68%
TAB1	TABER WIND	4343	25	-5.53%	-5.06%	-5.60%	-8.60%	-7.21%	-9.30%	-7.47%	-5.03%	-4.78%	-2.32%	-4.81%	-4.01%
TAB1b	TABER WIND	3343	25	-5.49%	-5.02%	-5.57%	-8.58%	-7.19%	-9.27%	-7.45%	-5.01%	-4.77%	-2.30%	-4.79%	-3.98%
TAY1	TAYLOR HYDRO	4670	13.8	-2.24%	-2.98%	-3.84%	-2.70%	-3.14%	-6.19%	-1.54%	-0.01%	-1.02%	0.45%	-2.89%	-3.21%
TAY2	TAYLOR WIND PLANT	4670	13.8	-2.24%	-2.98%	-3.84%	-2.70%	-3.14%	-6.19%	-1.54%	-0.01%	-1.02%	0.45%	-2.89%	-3.21%
THS	THREE SISTERS	381	6.9	-8.09%	-5.19%	-3.95%	-7.27%	-5.70%	-6.68%	-6.03%	-4.31%	-2.20%	-7.76%	-7.73%	-6.83%
VVW1	VALLEYVIEW	1171	13.8	-0.48%	0.06%	2.06%	0.19%	0.36%	4.09%	-1.73%	-0.80%	2.23%	0.35%	5.55%	3.66%
Project667_1_SUP	VALLEYVIEW # 2	1173	13.8	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-1.77%	-1.00%	1.83%	0.21%	5.25%	3.29%
WB4	WABAMUN #4	146	18.5	10.86%	11.32%	11.85%	10.89%	10.87%	11.78%	9.91%	9.25%	9.38%	9.26%	10.21%	10.64%
WTRN	WATER IPP	449	4.16	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
WST1	WESGEN	14	13.8	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	408	12.5	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
0000016301	Amoco Empress (163S)	262	240	-3.78%	-3.09%	-2.89%	-5.58%	-3.60%	-5.19%	-6.69%	-2.92%	-0.58%	-2.26%	-3.19%	-0.83%
DOWL0D15M	DOW Ft Saskatchewan ISD	9961	0	7.98%	8.45%	8.58%	8.00%	7.94%	9.22%	6.88%	5.93%	5.20%	5.64%	6.46%	7.53%
0000079301	ANG Cochrane (793S)	191	138	-7.26%	-6.68%	-7.22%	-7.23%	-6.65%	-8.68%	-5.63%	-5.73%	-5.63%	-6.76%	-8.64%	-8.40%
341S025	Syncrude Standby (848S)	1200	240	9.76%	11.29%	12.18%	9.52%	10.36%	14.76%	6.35%	7.20%	6.53%	8.68%	11.65%	11.28%

2009 Raw Loss Factors (%)																
MP ID	Names from GSO	MPID BUS	Voltage kV	WNL	WNM	WNP	SPL	SPM	SPP	SML	SMM	SMP	FLL	FLM	FLP	
NX01	BALZAC	4290	13.8	-5.36%	-3.98%	-1.18%	-1.93%	-1.68%	-5.11%	-1.93%	-1.84%	-1.12%	-3.45%	-4.37%	-3.62%	
NX01b	BALZAC	3290	13.8	-5.36%	-3.98%	-1.20%	-1.96%	-1.72%	-5.10%	-1.93%	-1.88%	-1.15%	-3.46%	-4.36%	-3.60%	
BAR	BARRIER	222	13.2	-8.78%	-5.17%	-1.80%	-5.11%	-3.97%	-5.93%	-4.84%	-2.89%	-0.15%	-7.15%	-5.93%	-4.98%	
BR4	BATTLE RIVER #4	1496	16	5.05%	7.41%	9.95%	7.09%	8.67%	6.37%	7.83%	7.98%	8.40%	7.33%	7.04%	7.49%	
BR3	BATTLE RIVER #3	1495	16	4.73%	6.95%	9.66%	7.10%	8.29%	5.51%	8.25%	8.38%	8.53%	6.98%	6.62%	7.50%	
BR5	BATTLE RIVER #5	1497	21	2.38%	4.09%	6.58%	5.61%	6.05%	2.76%	5.54%	5.54%	5.92%	4.40%	3.84%	4.56%	
BCR2	BEAR CREEK G2	19142	13.8	0.14%	-3.76%	-9.72%	-12.23%	-9.76%	1.23%	-7.11%	-6.23%	-3.00%	-6.30%	-0.49%	-4.74%	
BCRK	BEAR CREEK G1	18142	13.8	0.08%	-4.41%	-10.84%	-11.94%	-10.09%	0.68%	-6.55%	-6.10%	-3.52%	-5.88%	-0.36%	-5.33%	
BPW	BEARSPAW	183	13.2	-6.84%	-5.74%	-4.00%	-3.54%	-3.84%	-7.06%	-3.51%	-3.87%	-3.77%	-5.04%	-6.36%	-5.92%	
BLYR	BELLY RIVER IPP	447	4.16	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
BIG	BIGHORN	108	13.8	-1.88%	-0.14%	2.49%	-0.87%	0.91%	-0.16%	1.37%	4.44%	8.91%	-1.21%	1.29%	1.96%	
BIGb	BIGHORN	102	13.8	-1.88%	-0.14%	2.50%	-0.87%	0.92%	-0.15%	1.38%	4.45%	8.93%	-1.21%	1.30%	1.97%	
BRA	BRAZEAU	56153	0	0.83%	1.99%	3.82%	1.41%	1.81%	1.52%	1.97%	2.85%	4.42%	1.05%	1.65%	2.78%	
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	4.18%	3.42%	3.52%	3.74%	3.44%	4.09%	4.28%	4.23%	4.89%	2.16%	2.65%	2.93%	
CES2	CALPINE STG	3187	13.8	-5.23%	-3.93%	-1.15%	-1.92%	-1.69%	-5.04%	-1.88%	-1.76%	-1.11%	-3.32%	-4.25%	-3.63%	
CES1	CALPINE CTG	4187	18	-5.24%	-3.99%	-1.29%	-1.94%	-1.78%	-5.13%	-1.91%	-1.84%	-1.28%	-3.33%	-4.30%	-3.68%	
TC01	CARSELAND	3251	13.8	-5.60%	-4.40%	-1.87%	-1.82%	-1.61%	-5.57%	-1.97%	-2.12%	-1.76%	-3.65%	-4.57%	-4.00%	
TC01b	CARSELAND	4251	13.8	-5.60%	-4.39%	-1.87%	-1.82%	-1.61%	-5.57%	-1.97%	-2.11%	-1.78%	-3.64%	-4.57%	-3.99%	
CAS	CASCADE	176	13.2	-9.74%	-6.08%	-2.89%	-6.20%	-6.69%	-5.67%	-3.73%	-4.83%	-8.10%	-6.68%	-6.88%	-5.97%	
CR1	CASTLE RIVER	3234	25	-1.46%	1.14%	5.03%	0.98%	2.96%	-0.29%	-2.43%	1.80%	4.61%	-1.48%	0.25%	-1.21%	
CR1b	CASTLE RIVER	2234	25	-1.44%	1.15%	5.04%	0.99%	2.97%	-0.28%	-2.42%	1.80%	4.62%	-1.48%	0.25%	-1.21%	
EC01	CAVAILLIER	4247	13.8	-7.72%	-4.82%	-1.37%	-2.66%	-1.82%	-5.37%	-3.49%	-2.93%	-0.43%	-5.64%	-3.31%	-3.08%	
EC01b	CAVAILLIER	3247	13.8	-7.64%	-4.44%	-0.65%	-2.50%	-1.35%	-4.81%	-3.38%	-2.58%	0.15%	-5.47%	-2.73%	-2.27%	
CHIN	CHIN CHUTE	407	13.8	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
CMH1	CITY OF MEDICINE HAT	680	138	-6.88%	-3.85%	-0.07%	-1.86%	-1.40%	-6.77%	-2.00%	-1.97%	-2.40%	-3.40%	-5.01%	-3.84%	
ENC1	CLOVER BAR PEAKER (STAGE 1 - LM6000)	25516	13.8	8.70%	7.20%	6.61%	6.61%	6.27%	7.61%	6.85%	5.99%	5.84%	7.49%	6.91%	7.66%	
ENC2	CLOVER BAR PEAKER (STAGE 2 - LM6000)	26516	13.8	8.60%	7.09%	6.52%	6.80%	6.40%	7.77%	6.93%	6.07%	5.92%	7.56%	6.97%	7.73%	
CRE1	COWLEY EXPANSION 1	4264	25	3.49%	5.03%	8.10%	3.04%	6.20%	2.69%	-1.83%	3.58%	6.37%	1.90%	3.70%	0.93%	
CRE2	COWLEY EXPANSION 2	265	34.5	4.60%	5.93%	8.83%	3.50%	6.71%	3.23%	-1.61%	4.01%	6.77%	2.61%	4.47%	1.52%	
CRE3	COWLEY NORTH	255	34.5	4.48%	5.83%	8.76%	3.45%	6.73%	3.12%	-1.56%	3.98%	6.72%	2.51%	4.38%	1.45%	
PKNE	COWLEY RIDGE WIND POWER PHASE1	264	69	5.31%	6.58%	9.34%	3.80%	7.29%	3.75%	-1.45%	4.30%	7.11%	3.10%	5.04%	1.92%	
CRWD	COWLEY RIDGE WIND POWER PHASE2	264	69	5.31%	6.58%	9.34%	3.80%	7.29%	3.75%	-1.45%	4.30%	7.11%	3.10%	5.04%	1.92%	
DAI1	DIASHOWA	1089	13.8	-2.06%	-5.11%	-10.03%	-9.23%	-8.75%	-0.50%	-7.71%	-6.55%	-5.76%	-6.86%	-2.30%	-6.84%	
DKSN	DICKSON DAM 1	6	4.16	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
DOWGEN15M	DOW GTG	61	138	8.45%	6.96%	6.28%	6.13%	6.00%	7.63%	6.16%	5.39%	5.34%	6.93%	6.54%	7.35%	
ProjectSD762SUP	Meg Energy	405	240	11.78%	10.64%	8.56%	8.51%	8.85%	12.72%	7.77%	7.99%	7.99%	8.72%	10.45%	10.98%	
DV1	DRAYTON VALLEY PL IPP	332	13.8	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	-1.60%	0.32%	3.94%	0.05%	2.00%	-1.14%	-3.39%	0.95%	3.23%	-2.29%	-0.66%	-2.55%	
Project692_1_SUP	Dapp Power Westlock Expansion	99921	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	7.93%	8.66%	6.88%	
FNG1	FORT NELSON	1015	13.8	-1.30%	-1.38%	-9.76%	-7.55%	-5.40%	5.50%	-8.38%	2.05%	-4.04%	-4.50%	3.02%	-2.93%	
EC04	FOSTER CREEK G1	3301	13.8	13.88%	12.00%	8.73%	5.51%	7.79%	11.05%	10.18%	9.31%	7.34%	10.82%	11.87%	11.84%	
EC04b	FOSTER CREEK G1	3302	13.8	13.88%	12.01%	8.73%	5.51%	7.79%	11.06%	10.18%	9.31%	7.35%	10.82%	11.87%	11.84%	
0000001511	FT MACLEOD	4237	25	-4.05%	-2.06%	0.44%	-0.44%	0.16%	-4.24%	-2.09%	-1.13%	-0.90%	-2.12%	-2.78%	-3.40%	
GN1	GENESEE 1	492	20.5	10.72%	9.66%	9.55%	8.89%	8.50%	9.80%	9.64%	9.21%	9.14%	10.00%	9.46%	10.32%	
GN2	GENESEE 2	491	20.5	10.66%	9.61%	9.50%	8.82%	8.47%	9.64%	9.58%	9.13%	9.07%	9.97%	9.43%	10.25%	
GN3	GENESEE 3	490	22	10.48%	9.43%	9.33%	8.77%	8.30%	9.45%	9.42%	8.97%	8.95%	9.84%	9.28%	10.06%	
GHO	GHOST	181	13.2	-8.40%	-5.84%	-3.62%	-4.80%	-4.55%	-7.03%	-4.82%	-3.90%	-2.48%	-6.73%	-6.70%	-5.97%	
GHOb	GHOST	3181	2.3	-8.37%	-5.55%	-2.51%	-4.50%	-4.31%	-6.67%	-4.39%	-2.71%	-0.91%	-6.64%	-6.27%	-5.17%	
0000022911	GLENWOOD	4245	25	-2.51%	-2.13%	1.47%	0.20%	-0.20%	-3.07%	-0.36%	2.03%	3.03%	-2.60%	-1.38%	-5.54%	
GPEC	GRANDE PRAIRIE ECOPOWER CENTRE	1101	138	-0.64%	-4.60%	-10.16%	-12.76%	-10.39%	0.47%	-7.67%	-6.85%	-3.55%	-7.04%	-1.41%	-5.75%	

2009 Raw Loss Factors (%)															
MP ID	Names from GSO	MPID BUS	Voltage kV	WNL	WNM	WNP	SPL	SPM	SPP	SML	SMM	SMP	FLL	FLM	FLP
HSH	HORSESHOE	172	12	-8.78%	-5.29%	-2.04%	-5.06%	-4.08%	-6.09%	-4.89%	-3.09%	-0.61%	-7.07%	-6.05%	-5.12%
HRM	HR MILNER	1148	15	1.01%	-2.58%	-9.82%	-10.99%	-8.72%	1.18%	-5.63%	-4.82%	-1.65%	-4.89%	1.35%	-4.16%
INT	INTERLAKES	377	4.16	-8.69%	-3.24%	2.66%	-4.70%	-2.68%	-3.62%	-5.30%	-1.94%	3.21%	-7.02%	-3.94%	-1.66%
KAN	KANANASKIS	196	12	-8.75%	-5.26%	-2.00%	-5.02%	-4.05%	-6.07%	-4.84%	-3.04%	-0.54%	-7.04%	-6.01%	-5.09%
KH2	KEEPHILLS #2	424	19	10.47%	9.58%	9.66%	8.83%	8.52%	9.57%	9.58%	9.23%	9.18%	9.92%	9.37%	10.25%
KH1	KEEPHILLS #1	422	19	10.57%	9.62%	9.69%	8.89%	8.55%	9.58%	9.69%	9.34%	9.30%	10.00%	9.45%	10.31%
KHW1	KETTLES HILL WIND ENERGY PHASE 2	3402	34.5	-0.96%	1.12%	4.50%	1.20%	2.88%	-0.61%	-1.86%	1.76%	3.92%	-0.88%	0.27%	-1.25%
KHW1b	KETTLES HILL WIND ENERGY PHASE 2	2402	34.5	-0.96%	1.12%	4.48%	1.20%	2.88%	-0.62%	-1.84%	1.76%	3.85%	-0.88%	0.27%	-1.24%
IOR1	MAHKESES, COLD LAKE	56789	0	10.99%	9.53%	7.39%	5.37%	5.93%	9.66%	8.40%	7.43%	6.04%	8.77%	9.20%	8.92%
Project730_1_SUP	ENMAX Crossfield Energy Centre	503	138	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.18%	1.89%	2.50%	1.06%	0.03%	0.56%
Project730_1_SUP a	ENMAX Crossfield Energy Centre	3503	13.8	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.28%	1.99%	2.53%	1.06%	0.03%	0.44%
Project730_1_SUP b	ENMAX Crossfield Energy Centre	4503	13.8	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.28%	1.99%	2.53%	1.06%	-0.11%	0.34%
Project730_1_SUP c	ENMAX Crossfield Energy Centre	2503	13.8	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.28%	1.99%	2.53%	1.05%	-0.11%	0.44%
AKE1	McBRIDE	2901	25	-0.88%	0.45%	2.89%	0.92%	1.59%	-3.11%	-0.92%	1.09%	1.55%	-0.18%	-0.34%	-1.46%
AKE1b	McBRIDE	4901	25	-0.83%	0.49%	2.93%	0.95%	1.62%	-3.08%	-0.91%	1.11%	1.58%	-0.14%	-0.30%	-1.44%
AKE1c	McBRIDE	3901	25	-0.83%	0.50%	2.93%	0.95%	1.63%	-3.07%	-0.91%	1.11%	1.57%	-0.14%	-0.30%	-1.44%
MKRC	McKAY RIVER	1274	240	12.33%	11.23%	8.64%	8.64%	8.76%	13.80%	6.62%	7.79%	7.97%	8.69%	11.27%	12.14%
Project703_1_SUP	Maxim Power Deerland Peaking Station	433	13.8	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	7.22%	6.92%	7.92%
Project703_1_SUP b	Maxim Power Deerland Peaking Station	434	13.8	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	7.22%	6.92%	7.92%
Project703_1_SUP c	Maxim Power Deerland Peaking Station	435	13.8	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	7.22%	6.92%	7.92%
Project703_1_SUP d	Maxim Power Deerland Peaking Station	436	13.8	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	7.22%	6.92%	7.92%
MKR1	MUSKEG	1236	240	13.23%	12.27%	9.80%	8.93%	9.58%	15.02%	7.66%	8.58%	8.86%	9.07%	11.60%	12.09%
MKR1b	MUSKEG	1263	240	14.23%	13.40%	11.01%	9.81%	10.69%	16.45%	8.42%	9.42%	9.80%	9.95%	12.69%	13.58%
NX02	NEXEN OPTI	1241	138	12.59%	11.60%	9.32%	9.87%	10.17%	14.46%	8.60%	9.02%	9.17%	9.38%	12.02%	12.38%
Project672_1_SUP	Northern Prairie Power Project	17120	13.8	-6.02%	-11.54%	-16.26%	-17.78%	-15.78%	-4.11%	-14.35%	-13.74%	-10.25%	-13.27%	-6.83%	-12.21%
NPC1	NORTHSTONE ELMWORTH	20134	6.9	-4.64%	-10.01%	-14.85%	-16.43%	-14.48%	-3.31%	-12.89%	-12.14%	-8.98%	-11.75%	-6.00%	-10.99%
NOVAGEN15M	NOVA JOFFRE	383	138	-0.61%	-0.11%	0.86%	0.39%	0.43%	-1.25%	0.66%	0.41%	0.86%	-0.31%	-0.20%	-0.23%
OMRH	OLDMAN	2230	13.8	-0.11%	2.08%	5.41%	1.24%	3.47%	0.24%	-2.65%	1.58%	4.04%	-0.75%	0.91%	-0.78%
WEY1	P&G WEYERHAUSER	1141	13.8	0.79%	-2.94%	-8.52%	-11.49%	-8.95%	1.94%	-6.46%	-5.40%	-1.73%	-5.66%	0.11%	-3.89%
0000039611	PINCHER CREEK	4224	25	-0.58%	1.88%	5.13%	1.48%	3.29%	-0.10%	-2.02%	2.02%	4.69%	-0.82%	0.63%	-1.14%
0000035311	PLAMONDON	4304	25	5.46%	4.07%	2.09%	2.08%	3.68%	6.22%	4.49%	3.31%	1.62%	2.43%	3.70%	4.08%
POC	POCATERRA	214	13.8	-8.75%	-4.40%	0.02%	-4.67%	-3.20%	-4.87%	-5.26%	-2.50%	0.78%	-7.00%	-5.17%	-4.32%
PH1	POPLAR HILL	16118	13.8	-5.11%	-10.77%	-15.89%	-16.87%	-15.27%	-4.46%	-13.58%	-13.01%	-9.71%	-12.45%	-6.70%	-12.20%
PR1	PRIMROSE	1302	138	11.07%	9.60%	7.36%	5.71%	6.52%	9.99%	8.26%	7.46%	6.24%	8.71%	9.28%	8.28%
RB1	RAINBOW 1	1301	138	15.80%	14.13%	10.88%	6.87%	9.92%	13.21%	12.02%	11.28%	9.37%	12.75%	13.69%	13.76%
RB2	RAINBOW 2	1032	14.4	4.66%	2.65%	-6.35%	-2.63%	-0.88%	9.93%	-3.12%	7.93%	-0.26%	-0.36%	6.85%	1.64%
RB3	RAINBOW 3	1303	138	10.66%	9.15%	6.99%	5.09%	5.62%	9.33%	8.11%	7.12%	5.68%	8.40%	8.89%	8.50%
RL1	RAINBOW 4, RL1	1035	13.8	-7.70%	-7.81%	-13.68%	-13.17%	-10.61%	-0.76%	-13.32%	-1.42%	-7.26%	-9.62%	-1.82%	-8.87%
RB5	RAINBOW 5	1037	14.4	0.84%	-2.46%	-8.50%	-6.85%	-6.52%	4.80%	-6.24%	3.19%	-5.71%	-5.04%	0.90%	-3.98%
RYMD	RAYMOND RESERVOIR	414	13.8	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
TC02	REDWATER	50	138	8.34%	6.95%	6.36%	5.94%	6.01%	7.61%	6.09%	5.22%	5.52%	6.80%	6.35%	7.37%
RG10	ROSSDALE 10	507	69	8.97%	7.49%	6.98%	6.86%	6.55%	7.93%	6.81%	6.04%	5.85%	7.77%	7.07%	7.90%
RG8	ROSSDALE 8	507	69	8.97%	7.49%	6.98%	6.86%	6.55%	7.93%	6.81%	6.04%	5.85%	7.77%	7.07%	7.90%
RG9	ROSSDALE 9	507	69	8.97%	7.49%	6.98%	6.86%	6.55%	7.93%	6.81%	6.04%	5.85%	7.77%	7.07%	7.90%
RUN	RUNDLE	197	13.8	-9.28%	-5.56%	-2.29%	-5.78%	-4.46%	-6.23%	-5.35%	-3.39%	-0.48%	-7.65%	-6.24%	-5.29%
SH1	SHEERNESS #1	1482	19	-0.97%	2.39%	5.67%	4.53%	4.96%	-0.26%	3.96%	4.61%	4.50%	2.51%	1.50%	2.35%
SH2	SHEERNESS #2	1487	19	-1.25%	2.37%	5.65%	4.27%	5.03%	-0.01%	4.08%	4.40%	4.53%	2.57%	1.40%	2.33%
SHCG	SHELL CAROLINE 378S	14370	13.8	-4.67%	-4.04%	-2.52%	-3.51%	-3.05%	-4.05%	-2.80%	-1.77%	0.76%	-4.26%	-3.08%	-3.23%
SCTG	SHELL SCOTFORD	43	138	8.53%	7.17%	6.61%	6.08%	6.25%	7.94%	6.36%	5.44%	5.74%	7.02%	6.32%	7.32%
GWW1	SODERGLEN	13358	0.575	1.42%	2.29%	4.28%	2.40%	3.75%	-0.13%	-0.25%	2.18%	2.59%	1.35%	1.36%	-0.27%
GWW1b	SODERGLEN	12358	0.575	1.00%	1.95%	4.04%	2.14%	3.45%	-0.41%	-0.37%	1.98%	2.42%	1.06%	1.05%	-0.48%
SPR	SPRAY	174	13.2	-9.17%	-5.54%	-2.31%	-5.63%	-4.38%	-6.27%	-5.24%	-3.33%	-0.49%	-7.54%	-6.26%	-5.32%

2009 Raw Loss Factors (%)																
MP ID	Names from GSO	MPID BUS	Voltage kV	WNL	WNM	WNP	SPL	SPM	SPP	SML	SMM	SMP	FLL	FLM	FLP	
SPRb	SPRAY	190	13.2	-9.17%	-5.53%	-2.29%	-5.63%	-4.36%	-6.23%	-5.23%	-3.31%	-0.49%	-7.54%	-6.25%	-5.30%	
0000038511	SPRING COULEE	4246	25	-3.47%	-3.18%	-0.46%	0.60%	-0.52%	-4.97%	1.09%	1.97%	1.11%	-2.06%	-2.84%	-5.89%	
STMY	ST MARY IPP	448	4.16	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
0000006711	STIRLING	450	4.16	-6.60%	-4.66%	-2.34%	-1.05%	-2.44%	-6.50%	1.39%	0.59%	-2.10%	-2.64%	-3.49%	-6.08%	
ST1	STURGEON 1	1168	4.2	2.35%	0.06%	-4.07%	-5.17%	-3.83%	3.38%	-3.53%	-2.49%	-0.52%	-2.17%	2.22%	-0.92%	
ST2	STURGEON 2	1167	14.4	2.35%	0.06%	-4.07%	-5.17%	-3.83%	3.38%	-3.51%	-2.49%	-0.52%	-2.17%	2.22%	-0.92%	
IEW1	SUMMERVIEW 1	3336	34.5	-0.49%	1.72%	5.22%	1.70%	3.49%	0.04%	-1.69%	2.50%	5.09%	-0.65%	0.88%	-0.92%	
IEW1b	SUMMERVIEW 1	4336	34.5	-0.48%	1.73%	5.23%	1.72%	3.50%	0.04%	-1.68%	2.51%	5.09%	-0.64%	0.88%	-0.92%	
SCR1	SUNCOR	1208	240	11.77%	10.49%	7.80%	7.90%	8.77%	13.38%	7.23%	7.41%	6.98%	7.93%	10.22%	10.66%	
SCR3	SUNCOR HILLRIDGE WIND FARM	2389	25	-4.89%	-2.80%	-0.42%	-0.96%	-1.14%	-6.08%	-1.44%	-1.28%	-2.69%	-1.98%	-3.65%	-3.97%	
SCR2	SUNCOR MAGRATH	11008	0	-2.24%	-0.88%	1.55%	1.73%	1.27%	-3.73%	1.19%	2.02%	0.43%	0.10%	-1.20%	-2.65%	
SCR2b	SUNCOR MAGRATH	11009	0	-2.24%	-0.89%	1.55%	1.73%	1.27%	-3.73%	1.19%	2.02%	0.43%	0.10%	-1.20%	-2.65%	
SCR2c	SUNCOR MAGRATH	11010	0	-2.24%	-0.88%	1.55%	1.73%	1.27%	-3.73%	1.19%	2.02%	0.43%	0.10%	-1.20%	-2.65%	
SCR2d	SUNCOR MAGRATH	11011	0	-2.24%	-0.89%	1.55%	1.73%	1.27%	-3.73%	1.19%	2.02%	0.43%	0.10%	-1.20%	-2.65%	
SCR2e	SUNCOR MAGRATH	11012	0	-2.24%	-0.88%	1.55%	1.74%	1.27%	-3.73%	1.19%	2.02%	0.44%	0.10%	-1.20%	-2.65%	
SCR2f	SUNCOR MAGRATH	11013	13.8	-2.24%	-0.88%	1.55%	1.73%	1.27%	-3.73%	1.19%	2.02%	0.43%	0.10%	-1.20%	-2.65%	
SCR2g	SUNCOR MAGRATH	11014	0	-2.24%	-0.88%	1.55%	1.74%	1.27%	-3.76%	1.19%	2.02%	0.44%	0.10%	-1.19%	-2.65%	
SCR2h	SUNCOR MAGRATH	11015	0	-2.24%	-0.88%	1.55%	1.73%	1.27%	-3.73%	1.19%	2.02%	0.43%	0.10%	-1.20%	-2.65%	
SCR2i	SUNCOR MAGRATH	11016	0	-2.24%	-0.88%	1.55%	1.74%	1.27%	-3.73%	1.19%	2.02%	0.44%	0.10%	-1.20%	-2.65%	
SCR2j	SUNCOR MAGRATH	11017	0	-2.24%	-0.88%	1.55%	1.74%	1.27%	-3.76%	1.19%	2.02%	0.44%	0.10%	-1.19%	-2.65%	
SCR2k	SUNCOR MAGRATH	11018	0	-2.24%	-0.88%	1.55%	1.74%	1.27%	-3.73%	1.19%	2.02%	0.43%	0.10%	-1.20%	-2.65%	
SCR2l	SUNCOR MAGRATH	11019	0	-2.24%	-0.88%	1.55%	1.74%	1.27%	-3.73%	1.19%	2.02%	0.44%	0.10%	-1.20%	-2.65%	
SCR2m	SUNCOR MAGRATH	11021	0	-2.24%	-0.88%	1.55%	1.74%	1.27%	-3.73%	1.19%	2.02%	0.44%	0.10%	-1.19%	-2.65%	
SCR2n	SUNCOR MAGRATH	11001	0	-2.05%	-0.72%	1.67%	1.73%	1.19%	-3.76%	1.19%	2.02%	0.71%	0.10%	-1.20%	-2.65%	
SCR2o	SUNCOR MAGRATH	11002	0.575	-2.24%	-0.88%	1.55%	1.77%	1.27%	-3.76%	1.19%	2.02%	0.44%	0.10%	-1.19%	-2.65%	
SCR2p	SUNCOR MAGRATH	11003	0	-2.24%	-0.88%	1.55%	1.77%	1.27%	-3.72%	1.19%	2.02%	0.43%	0.10%	-1.19%	-2.65%	
SCR2q	SUNCOR MAGRATH	11004	0	-2.24%	-0.88%	1.55%	1.73%	1.27%	-3.73%	1.19%	2.02%	0.43%	0.10%	-1.20%	-2.65%	
SCR2r	SUNCOR MAGRATH	11005	0	-2.24%	-0.89%	1.55%	1.73%	1.27%	-3.73%	1.19%	2.02%	0.43%	0.10%	-1.20%	-2.65%	
SCR2s	SUNCOR MAGRATH	11006	0	-2.24%	-0.88%	1.55%	1.74%	1.27%	-3.73%	1.19%	2.02%	0.44%	0.10%	-1.19%	-2.65%	
SCR2t	SUNCOR MAGRATH	11007	0	-2.24%	-0.88%	1.55%	1.74%	1.27%	-3.73%	1.19%	2.02%	0.43%	0.10%	-1.20%	-2.65%	
SD2	SUNDANCE #2	129	18	11.72%	11.03%	10.47%	9.71%	9.76%	12.65%	8.23%	8.45%	9.42%	10.44%	11.25%	11.50%	
SD1	SUNDANCE #1	338	18	11.76%	11.06%	10.50%	9.73%	9.79%	12.66%	8.29%	8.47%	9.40%	10.47%	11.28%	11.48%	
SD5	SUNDANCE #5	342	20	11.52%	10.80%	10.21%	9.49%	9.53%	12.32%	8.12%	8.33%	9.33%	10.32%	11.09%	11.18%	
SD4	SUNDANCE #4	130	20	11.67%	10.95%	10.38%	9.69%	9.71%	12.52%	8.25%	8.42%	9.30%	10.42%	11.20%	11.38%	
SD3	SUNDANCE #3	345	20	11.62%	10.91%	10.34%	9.64%	9.68%	12.50%	8.19%	8.39%	9.29%	10.22%	10.97%	11.23%	
SD6	SUNDANCE #6	350	20	11.56%	10.82%	10.20%	9.53%	9.55%	12.36%	8.07%	8.24%	9.11%	10.23%	10.99%	11.20%	
SCL1	SYNCRUDE	1205	240	13.57%	12.86%	10.49%	9.34%	10.15%	15.76%	7.95%	9.13%	9.46%	9.43%	12.15%	12.89%	
TAB1	TABER WIND	15343	0.4	-4.04%	-2.78%	-1.26%	-1.62%	-1.73%	-6.64%	-2.63%	-2.89%	-4.67%	-2.06%	-3.89%	-4.33%	
TAB1b	TABER WIND	16343	0.4	-3.50%	-2.40%	-1.05%	-1.28%	-1.45%	-6.33%	-2.44%	-2.71%	-4.59%	0.59%	-3.53%	-4.05%	
TAY1	TAYLOR HYDRO	4670	13.8	-3.27%	-1.72%	0.88%	1.37%	0.58%	-4.53%	1.96%	2.45%	1.15%	-0.33%	-1.83%	-3.13%	
TAY2	TAYLOR WIND PLANT	4670	13.8	-3.27%	-1.72%	0.88%	1.37%	0.58%	-4.53%	1.96%	2.45%	1.15%	-0.33%	-1.83%	-3.13%	
THS	THREE SISTERS	381	6.9	-9.10%	-4.92%	-1.20%	-5.87%	-4.14%	-5.63%	-5.03%	-2.48%	1.31%	-7.66%	-5.59%	-4.35%	
VVW1	VALLEYVIEW	1171	13.8	3.40%	1.35%	-2.82%	-3.65%	-2.63%	4.64%	-2.35%	-1.69%	0.40%	-0.77%	3.26%	0.26%	
VVW2	VALLEYVIEW # 2	1173	13.8	3.35%	1.30%	-2.76%	-3.70%	-2.69%	4.67%	-2.41%	-1.77%	0.33%	-0.85%	3.19%	0.20%	
WB4	WABAMUN #4	146	18.5	11.13%	10.16%	9.56%	9.22%	9.05%	11.55%	7.81%	7.82%	8.54%	9.83%	10.25%	10.51%	
WTRN	WATER IPP	449	4.16	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
WST1	WESGEN	99914	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	7.82%	8.48%	6.43%
WST1b	WESGEN	14	13.8	0.00%	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	408	12.5	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
0000016301	Amoco Empress (163S)	262	240	-5.25%	-0.43%	4.38%	2.21%	2.57%	-3.78%	1.41%	1.77%	1.96%	0.14%	-2.10%	0.60%	
0000079301	ANG Cochrane (793S)	191	138	-8.83%	-6.19%	-4.98%	-4.92%	-5.30%	-7.80%	-5.43%	-4.94%	-3.86%	-7.10%	-7.44%	-6.77%	
341S025	Syncrude Standby (848S)	1200	240	14.22%	13.41%	10.99%	10.01%	10.78%	16.36%	8.26%	9.41%	9.75%	9.98%	12.73%	13.68%	

2010 Raw Loss Factors (%)															
MP ID	Names from GSO	MPID BUS	Voltage kV	WNL	WNM	WNP	SPL	SPM	SPP	SML	SMM	SMP	FLL	FLM	FLP
0000034911	ALTAGAS PARKLAND	4235	25	-2.28%	-0.87%	-0.05%	-5.20%	-4.31%	-4.17%	-2.91%	-2.70%	-1.53%	-5.15%	-3.65%	-4.66%
NX01	BALZAC	4290	13.8	-1.61%	-0.28%	-0.07%	-2.07%	-2.32%	-1.09%	-2.16%	-1.78%	0.20%	-3.91%	-1.87%	-1.71%
NX01b	BALZAC	3290	13.8	-1.64%	-0.35%	-0.09%	-2.12%	-2.35%	-1.09%	-2.16%	-1.79%	0.16%	-3.92%	-1.88%	-1.73%
BAR	BARRIER	222	13.2	-5.52%	-2.02%	-0.81%	-3.80%	-3.83%	-1.52%	-5.90%	-3.94%	-1.21%	-8.47%	-3.52%	-2.81%
BR3	BATTLE RIVER #3	1495	16	7.89%	10.84%	11.97%	1.62%	8.50%	10.99%	4.74%	7.60%	10.24%	5.70%	7.76%	8.46%
BR4	BATTLE RIVER #4	1496	16	7.92%	10.79%	11.96%	1.50%	8.47%	11.10%	4.56%	7.42%	10.00%	5.80%	7.76%	8.52%
BR5	BATTLE RIVER #5	1497	21	5.40%	7.86%	8.85%	0.25%	5.69%	7.79%	2.74%	4.86%	6.94%	3.06%	4.72%	5.35%
BCRK	BEAR CREEK G1	19142	13.8	-4.86%	-9.54%	-7.29%	-2.47%	-5.08%	-2.38%	-7.51%	-5.99%	-8.78%	-4.86%	-6.21%	-2.45%
BCR2	BEAR CREEK G2	18142	13.8	-4.56%	-9.54%	-7.30%	-2.38%	-4.99%	-2.83%	-7.12%	-5.71%	-8.96%	-4.62%	-6.33%	-3.12%
BPW	BEARSPAW	183	13.2	-3.29%	-2.45%	-2.38%	-3.26%	-4.11%	-3.28%	-3.67%	-3.81%	-2.47%	-5.79%	-4.04%	-4.55%
BLYR	BELLY RIVER IPP	447	4.16	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
BIG	BIGHORN	108	13.8	-0.18%	2.79%	3.49%	-0.81%	2.02%	7.19%	-1.02%	-0.31%	0.37%	-0.96%	-1.23%	2.55%
BIGb	BIGHORN	102	13.8	-0.18%	2.79%	3.60%	-0.80%	2.03%	6.51%	-1.16%	-0.30%	0.37%	-0.97%	1.74%	-1.23%
BTR1	BLUE TRAIL WIND FARM	67328	1	2.45%	5.03%	6.28%	-1.67%	0.79%	1.71%	2.08%	3.22%	4.85%	0.97%	3.51%	2.56%
BTR1b	BLUE TRAIL WIND FARM	66328	1	1.97%	4.35%	5.78%	-0.77%	0.41%	1.39%	1.67%	2.82%	4.45%	0.44%	2.96%	2.01%
BRA	BRAZEAU	56153	0	0.57%	1.22%	1.66%	3.77%	2.94%	3.26%	0.59%	0.86%	1.16%	0.65%	1.46%	1.95%
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	1.88%	2.43%	1.72%	4.55%	4.08%	3.87%	2.69%	3.07%	2.29%	4.01%	2.62%	3.29%
TC01	CARSELAND	3251	13.8	-1.59%	-0.39%	-0.11%	-3.33%	-2.99%	-1.68%	-1.99%	-2.06%	-0.70%	-4.31%	-2.51%	-2.84%
TC01b	CARSELAND	4251	13.8	-1.59%	-0.46%	-0.11%	-3.36%	-3.03%	-1.68%	-1.99%	-2.06%	-0.70%	-4.31%	-2.50%	-2.86%
CAS	CASCADE	176	13.2	-6.81%	-3.36%	-1.65%	-5.21%	-4.99%	-2.62%	-6.95%	-5.21%	-2.32%	-9.72%	-4.85%	-3.92%
CR1	CASTLE RIVER	3234	25	0.41%	3.38%	4.99%	-1.86%	-0.27%	0.96%	2.33%	4.90%	7.41%	1.24%	5.64%	4.31%
CR1b	CASTLE RIVER	2234	25	0.42%	3.41%	5.07%	-1.83%	-0.26%	0.97%	2.31%	4.88%	7.36%	1.20%	5.60%	4.28%
EC01	CAVAILIER	4247	13.8	-2.64%	-0.62%	0.49%	-4.93%	-4.15%	-0.54%	-3.46%	-1.70%	0.20%	-5.98%	-2.75%	-0.84%
EC01b	CAVAILIER	3247	13.8	-2.43%	0.04%	1.10%	-4.76%	-3.81%	-0.54%	-3.38%	-1.68%	0.31%	-6.03%	-2.62%	-0.50%
CHIN	CHIN CHUTE	407	13.8	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CMH1	CITY OF MEDICINE HAT	680	13.8	0.25%	2.56%	4.59%	-6.60%	-2.50%	0.47%	-1.84%	-0.60%	1.62%	-6.14%	-3.97%	-2.42%
ENC1	CLOVER BAR 1	25516	13.8	4.72%	4.03%	2.45%	6.12%	5.82%	4.27%	6.67%	5.97%	4.96%	8.03%	6.77%	6.72%
ENC2	CLOVER BAR 2	26516	13.8	4.78%	3.96%	2.43%	6.23%	5.87%	4.28%	6.76%	6.02%	5.01%	8.11%	6.79%	6.47%
ENC3	CLOVER BAR 3	27516	13.8	4.96%	4.16%	2.43%	6.53%	6.10%	4.25%	7.03%	6.24%	5.19%	8.31%	6.97%	6.51%
CNR5	CNRL HORIZON	1262	240	5.71%	6.33%	7.36%	10.33%	9.14%	5.65%	8.42%	9.52%	8.98%	12.35%	11.38%	11.29%
CRE1	COWLEY EXPANSION 1	4264	25	3.43%	7.18%	9.98%	-1.01%	1.95%	2.69%	4.76%	8.43%	10.61%	5.10%	8.73%	6.11%
CRE2	COWLEY EXPANSION 2	265	34.5	3.92%	7.74%	10.85%	-0.85%	2.35%	2.98%	5.21%	8.99%	11.35%	6.02%	9.46%	6.64%
CRE3	COWLEY NORTH	255	34.5	3.89%	7.66%	10.79%	-0.88%	2.30%	2.93%	5.15%	8.89%	11.29%	5.94%	9.40%	6.63%
PKNE	COWLEY RIDGE WIND POWER PHASE1	264	69	4.21%	8.13%	11.34%	-0.74%	2.56%	3.17%	5.52%	9.48%	11.79%	6.51%	9.94%	6.94%
CRWD	COWLEY RIDGE WIND POWER PHASE2	264	69	4.21%	8.13%	11.34%	-0.74%	2.56%	3.17%	5.52%	9.48%	11.79%	6.51%	9.94%	6.94%
Project692_1_SUP	DAPP POWER WESTLOCK EXPANSION	99921	0	5.35%	4.55%	3.90%	6.93%	6.35%	3.75%	7.06%	6.69%	3.09%	0.00%	0.00%	0.00%
DAI1	DIASHOWA	1089	13.8	-2.49%	-5.03%	-4.07%	0.06%	-2.39%	-2.36%	-3.79%	-2.92%	-5.71%	-1.65%	-3.67%	-1.23%
DKSN	DICKSON DAM 1	6	4.16	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
DOWGEN15M	DOW GTG	61	13.8	3.86%	3.22%	2.05%	5.57%	5.17%	3.52%	6.01%	5.29%	4.38%	7.56%	6.24%	5.99%
DOWGEN15Mb	DOW GTG	4062	4.16	3.25%	2.83%	1.69%	4.94%	4.66%	3.08%	5.48%	4.82%	4.00%	7.04%	5.77%	5.68%
DV1	DRAYTON VALLEY PL IPP	332	13.8	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	-0.02%	2.77%	4.55%	-2.39%	-0.84%	0.45%	1.79%	4.24%	6.70%	1.01%	4.71%	3.36%
CES2	ENMAX CALGARY ENERGY CENTRE STG	3187	13.8	-1.68%	-0.35%	-0.11%	-1.97%	-2.26%	-1.07%	-2.12%	-1.75%	0.09%	-3.88%	-1.91%	-1.76%
CES1	ENMAX CALGARY ENERGY CENTRE CTG	4187	18	-1.73%	-0.44%	-0.22%	-2.02%	-2.30%	-1.19%	-2.13%	-1.82%	-0.09%	-3.92%	-1.98%	-1.91%
FNG1	FORT NELSON	1015	13.8	9.77%	5.23%	11.66%	10.86%	5.45%	5.27%	0.54%	4.67%	0.76%	5.04%	0.39%	10.78%
EC04	FOSTER CREEK G1	3301	13.8	4.14%	3.51%	2.96%	11.95%	9.64%	5.36%	7.43%	7.59%	9.76%	13.24%	11.86%	11.53%

2010 Raw Loss Factors (%)															
MP ID	Names from GSO	MPID BUS	Voltage kV	WNL	WNM	WNP	SPL	SPM	SPP	SML	SMM	SMP	FLL	FLM	FLP
TC02	REDWATER	50	138	3.86%	3.44%	2.28%	5.59%	5.27%	3.68%	6.08%	5.42%	4.59%	7.62%	6.43%	6.29%
RUN	RUNDLE	56197	0	-6.25%	-2.55%	-0.89%	-4.79%	-4.34%	-1.92%	-6.46%	-4.53%	-1.57%	-9.07%	-4.01%	-3.15%
SH2	SHEERNESS #2	1487	19	4.97%	7.55%	8.90%	-1.31%	3.60%	7.05%	2.41%	3.95%	6.31%	0.99%	3.30%	4.10%
SH1	SHEERNESS #1	1482	19	4.56%	7.23%	8.87%	-0.36%	4.21%	7.16%	2.02%	3.81%	6.42%	-0.18%	2.33%	3.86%
SHCG	SHELL CAROLINE	14370	13.8	-3.67%	-2.08%	-2.01%	-3.18%	-2.75%	-0.97%	-3.60%	-3.54%	-3.16%	-3.99%	-3.50%	-3.93%
SCTG	SHELL SCOTFORD	43	138	4.06%	3.66%	2.59%	6.02%	5.70%	4.04%	6.49%	5.86%	5.02%	8.05%	6.88%	6.67%
GWW1	SODERGLEN	13358	0.575	3.03%	5.74%	7.56%	-0.89%	1.23%	1.68%	3.01%	4.44%	5.78%	2.12%	4.57%	2.90%
GWW1b	SODERGLEN	12358	0.575	2.77%	5.42%	7.22%	-0.98%	1.08%	1.57%	2.76%	4.16%	5.57%	1.81%	4.27%	2.68%
SPR	SPRAY	174	13.2	-6.06%	-2.56%	-1.02%	-4.61%	-4.33%	-2.02%	-6.31%	-4.48%	-1.69%	-8.95%	-4.05%	-3.28%
SPRb	SPRAY	190	13.2	-6.06%	-2.54%	-1.00%	-4.61%	-4.31%	-1.91%	-6.31%	-4.47%	-1.67%	-8.96%	-4.03%	-3.26%
0000038511	SPRING COULEE	4246	25	0.21%	1.57%	2.41%	-0.36%	-0.12%	0.54%	0.07%	-0.18%	0.78%	-2.88%	-2.19%	-2.66%
STMY	ST MARY IPP	448	4.16	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
0000006711	STIRLING	450	4.16	-1.37%	-0.23%	0.19%	-2.18%	-1.76%	-2.45%	-2.83%	-3.48%	-3.17%	-7.12%	-6.20%	-6.87%
ST1	STURGEON 1	1166	69	-1.39%	-3.89%	-2.72%	0.14%	-1.51%	-0.39%	-2.97%	-1.47%	-3.95%	-0.62%	-1.80%	0.65%
ST2	STURGEON 2	1166	69	-1.39%	-3.89%	-2.72%	0.14%	-1.51%	-0.39%	-2.97%	-1.47%	-3.95%	-0.62%	-1.80%	0.65%
IEW1	SUMMERVIEW 1	2336	34.5	2.20%	4.95%	6.83%	-0.65%	1.08%	2.03%	3.84%	6.32%	8.35%	2.98%	6.96%	5.40%
Project_393_2	SUMMERVIEW 2	4336	34.5	1.87%	4.64%	6.60%	-0.86%	0.86%	1.83%	3.12%	5.68%	7.69%	2.13%	6.13%	4.30%
IEW1b	SUMMERVIEW 1	3336	34.5	2.14%	4.88%	6.70%	-0.68%	1.00%	2.00%	3.78%	6.20%	8.41%	2.90%	6.91%	5.32%
CRS1	SUMMIT CROSSFIELD ENERGY CENTRE	4503	13.8	-1.81%	-0.90%	-0.69%	-0.81%	1.72%	-1.54%	-1.25%	2.12%	-0.68%	-3.12%	1.94%	-2.38%
CRS2	SUMMIT CROSSFIELD ENERGY CENTRE	3503	13.8	-1.81%	-0.90%	-0.69%	-0.81%	1.72%	-1.54%	-1.26%	2.12%	-0.68%	-3.12%	1.94%	-2.38%
CRS3	SUMMIT CROSSFIELD ENERGY CENTRE	2503	13.8	-1.81%	-0.90%	-0.69%	-0.71%	1.72%	-1.54%	-1.26%	2.12%	-0.68%	-3.12%	1.94%	-2.38%
SCR3	SUNCOR HILLRIDGE WIND FARM	2389	25	-0.42%	1.55%	3.18%	-4.78%	-2.48%	-1.83%	-1.68%	-1.49%	-0.66%	-5.34%	-3.54%	-3.78%
SCR2	SUNCOR MAGRATH	11002	0.575	1.07%	3.12%	4.01%	-1.21%	0.53%	0.73%	-0.03%	0.08%	0.88%	-3.11%	-1.65%	-2.27%
SCR1	SUNCOR MILLENIUM	1208	240	4.26%	4.78%	5.30%	9.01%	7.80%	3.81%	7.63%	8.16%	6.94%	10.78%	9.36%	9.10%
SD1	SUNDANCE #1	338	18	8.22%	8.14%	7.57%	8.25%	7.99%	7.75%	8.63%	8.29%	6.83%	9.31%	8.40%	8.57%
SD3	SUNDANCE #3	129	18	8.26%	8.17%	7.57%	8.07%	7.72%	7.53%	8.61%	8.26%	6.78%	9.33%	8.47%	8.65%
SD2	SUNDANCE #2	350	20	8.23%	8.20%	8.35%	7.95%	7.56%	7.40%	8.37%	8.07%	6.57%	9.21%	8.33%	8.66%
SD6	SUNDANCE #6	130	20	8.16%	8.01%	7.28%	8.10%	7.64%	7.36%	8.59%	8.31%	6.63%	9.21%	8.30%	8.44%
SD4	SUNDANCE #4	342	20	7.89%	7.73%	7.17%	7.84%	7.43%	7.23%	8.33%	7.99%	6.87%	9.32%	8.42%	8.63%
SD5	SUNDANCE #5	345	20	4.44%	4.82%	5.02%	2.80%	3.74%	4.90%	3.34%	4.47%	4.03%	5.05%	5.02%	5.68%
SCL1	SYNCRUDE	1205	240	5.40%	6.16%	7.35%	10.64%	9.47%	5.80%	8.80%	9.73%	9.54%	12.55%	11.54%	11.33%
TAB1	TABER WIND	15343	0.4	-0.55%	1.25%	3.85%	-6.76%	-3.75%	-3.07%	-1.21%	-1.33%	-0.98%	-5.92%	-4.27%	-4.24%
TAB1b	TABER WIND	16343	0.4	-0.17%	1.56%	4.31%	-6.49%	-3.49%	-2.86%	-0.77%	-0.96%	-0.69%	-5.55%	-3.93%	-3.90%
TAY1	TAYLOR HYDRO	4670	13.8	0.95%	2.79%	3.33%	-0.64%	1.00%	1.28%	0.10%	-0.02%	0.68%	-3.26%	-1.90%	-2.35%
TAY2	TAYLOR WIND PLANT	4670	13.8	0.95%	2.79%	3.33%	-0.64%	1.00%	1.28%	0.10%	-0.02%	0.68%	-3.26%	-1.90%	-2.35%
THS	THREE SISTERS	381	6.9	-6.22%	-1.79%	0.16%	-4.92%	-3.88%	-0.53%	-6.57%	-4.62%	-1.53%	-8.99%	-3.47%	-2.18%
VVW1	VALLEYVIEW	1171	13.8	0.07%	-1.92%	-1.07%	1.58%	0.08%	0.94%	-1.06%	0.12%	-2.33%	0.98%	-0.05%	1.98%
VVW2	VALLEY VIEW 2	1173	13.8	0.07%	-2.03%	-1.08%	1.55%	0.02%	0.87%	-1.06%	0.11%	-2.33%	0.99%	-0.05%	1.97%
WB4	WABAMUN #4	146	18.5	6.45%	5.99%	5.15%	7.30%	7.01%	6.57%	7.80%	7.44%	6.09%	9.04%	7.95%	7.98%
WTRN	WATER IPP	449	4.16	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
0000040511	WAUPISOO	2417	25	1.12%	0.27%	-0.61%	3.56%	3.13%	-0.13%	2.82%	2.68%	0.81%	4.58%	2.30%	0.87%
WST1	WESGEN	14	13.8	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	408	12.5	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
0000016301	Amoco Empress (163S)	262	240	1.95%	4.61%	6.43%	-3.35%	1.60%	5.18%	0.30%	1.44%	4.39%	-2.39%	0.06%	1.59%
0000079301	ANG Cochrane (793S)	191	138	-5.16%	-3.41%	-3.35%	-4.79%	-5.38%	-3.65%	-5.60%	-4.57%	-3.74%	-8.34%	-5.07%	-5.77%
341S025	Syncrude Standby (848S)	1200	240	5.92%	6.72%	7.97%	10.79%	9.75%	6.00%	9.20%	10.15%	9.72%	13.13%	12.16%	11.99%

2011 Raw Loss Factors (%)															
MP ID	Names from GSO	MPID BUS	Voltage kV	WNL	WNM	WNP	SPL	SPM	SPP	SML	SMM	SMP	FLL	FLM	FLP
0000034911	ALTAGAS PARKLAND	4235	25	-2.69%	-2.16%	-0.53%	-5.40%	-5.22%	-4.72%	-3.26%	-3.46%	-4.53%	-5.89%	-4.37%	-5.53%
ARD1	TRANSALTA ARDENVILLE WIND FARM	4740	1	2.76%	4.22%	6.67%	-1.50%	-0.27%	0.85%	1.42%	2.10%	0.72%	-0.41%	1.79%	1.35%
NX01	BALZAC	4290	13.8	-1.63%	-1.30%	0.12%	-3.00%	-2.01%	-0.26%	-1.97%	-1.32%	-1.14%	-3.62%	-2.58%	-2.26%
NX01b	BALZAC	3290	13.8	-1.57%	-1.29%	0.10%	-2.94%	-2.00%	-0.28%	-1.90%	-1.31%	-1.14%	-3.64%	-2.58%	-2.27%
BAR	BARRIER	222	13.2	-6.36%	-3.52%	-1.93%	-6.48%	-4.57%	-3.22%	-6.42%	-4.02%	-2.93%	-7.12%	-3.78%	-2.59%
BR3	BATTLE RIVER #3	1495	16	7.26%	10.40%	11.00%	3.61%	6.97%	9.50%	6.84%	6.93%	6.85%	5.86%	7.74%	8.69%
BR4	BATTLE RIVER #4	1496	16	7.36%	10.52%	11.10%	3.60%	6.97%	9.48%	6.74%	6.89%	6.83%	5.75%	7.63%	8.62%
BR5	BATTLE RIVER #5	1497	21	4.83%	7.42%	7.94%	1.76%	4.38%	6.67%	4.35%	4.39%	4.22%	3.03%	4.83%	5.63%
BCRK	BEAR CREEK G1	18142	13.8	-7.63%	-5.80%	-4.73%	-3.94%	-4.86%	-5.94%	-6.29%	-5.63%	-4.67%	-5.00%	-5.58%	-4.61%
BCR2	BEAR CREEK G2	19142	13.8	-8.15%	-6.21%	-4.62%	-4.49%	-5.40%	-6.33%	-6.58%	-5.78%	-4.88%	-5.45%	-5.60%	-4.13%
BPW	BEARSPAW	183	13.2	-3.50%	-3.37%	-2.58%	-4.31%	-3.90%	-2.97%	-3.68%	-3.57%	-3.31%	-5.12%	-4.34%	-4.15%
BLYR	BELLY RIVER IPP	447	4.16	0.56%	-0.53%	2.74%	-0.59%	-0.55%	0.69%	-0.95%	-1.93%	-3.97%	0.00%	0.00%	0.00%
BIG	BIGHORN	108	13.8	-0.65%	2.07%	3.26%	-0.45%	0.25%	1.62%	-0.67%	0.30%	1.20%	-1.69%	0.63%	1.47%
BIGb	BIGHORN	102	13.8	1.73%	2.08%	3.26%	-0.45%	0.25%	1.63%	-0.67%	0.31%	1.20%	-1.69%	0.63%	1.47%
BTR1	BLUE TRAIL WIND FARM	67328	1	2.51%	4.21%	7.41%	-2.34%	-1.07%	0.04%	1.80%	2.53%	0.35%	-0.44%	1.64%	0.86%
BRA	BRAZEAU	56153	0	1.70%	1.47%	1.85%	1.77%	1.75%	2.59%	1.16%	1.45%	2.02%	1.35%	1.63%	2.10%
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	4.73%	4.60%	3.59%	5.11%	5.24%	4.82%	3.64%	4.04%	4.15%	3.71%	3.91%	3.49%
TC01	CARSELAND	3251	13.8	-1.84%	-1.65%	-0.22%	-2.94%	-2.36%	-1.02%	-1.71%	-1.49%	-1.43%	-3.83%	-2.75%	-2.62%
TC01b	CARSELAND	4251	13.8	-2.03%	-1.83%	-0.40%	-3.06%	-2.55%	-1.20%	-1.84%	-1.68%	-1.55%	-4.06%	-2.95%	-2.83%
CAS	CASCADE	176	13.2	-7.62%	-4.52%	-3.20%	-7.46%	-5.73%	-4.65%	-7.49%	-5.26%	-4.21%	-8.29%	-5.01%	-3.95%
CR1	CASTLE RIVER	2234	25	0.12%	1.86%	4.33%	-3.35%	-1.61%	-0.09%	-1.11%	0.21%	-0.83%	-3.04%	-0.39%	-0.58%
EC01	CAVAILIER	4247	13.8	-3.73%	-2.68%	0.88%	-4.90%	-3.20%	0.81%	-2.20%	-1.41%	-1.36%	-5.19%	-4.06%	-3.61%
EC01b	CAVAILIER	3247	13.8	-2.90%	-0.53%	2.49%	-4.23%	-1.57%	1.98%	-0.72%	0.62%	0.27%	-4.12%	-1.93%	-1.53%
CHIN	CHIN CHUTE	407	13.8	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CMH1	CITY OF MEDICINE HAT	680	138	-3.07%	0.22%	3.36%	-7.46%	-4.30%	-1.38%	-3.69%	-2.95%	-3.87%	-5.64%	-2.92%	-2.22%
ENC2	CLOVER BAR 2	25516	13.8	7.17%	5.53%	4.26%	8.54%	7.22%	6.18%	6.71%	6.87%	6.59%	7.85%	6.69%	6.47%
ENC1	CLOVER BAR 1	26516	13.8	7.17%	5.55%	4.28%	8.54%	7.23%	6.15%	6.66%	6.69%	6.39%	7.85%	6.72%	6.51%
ENC3	CLOVER BAR 3	27516	13.8	7.17%	5.52%	4.22%	8.96%	7.54%	6.46%	6.75%	6.99%	6.64%	7.85%	6.73%	6.48%
CNR5	CNRL HORIZON	1262	240	5.75%	5.02%	4.52%	8.44%	7.22%	6.22%	8.98%	8.43%	8.01%	9.92%	9.82%	10.20%
CRE1	COWLEY EXPANSION 1	4264	25	3.36%	5.83%	8.63%	-2.55%	-0.27%	1.00%	1.52%	3.14%	0.83%	-0.41%	2.67%	0.97%
CRE2	COWLEY EXPANSION 2	265	34.5	3.92%	6.54%	9.34%	-2.44%	-0.01%	1.22%	1.94%	3.66%	1.25%	0.01%	3.16%	1.38%
CRE3	COWLEY NORTH	255	34.5	3.85%	6.47%	9.27%	-2.47%	-0.04%	1.19%	1.89%	3.60%	1.20%	-0.03%	3.10%	1.34%
PKNE	COWLEY RIDGE WIND POWER PHASE1	264	69	4.23%	6.93%	9.79%	-2.34%	0.13%	1.35%	2.18%	3.95%	1.44%	0.32%	3.47%	1.61%
CRWD	COWLEY RIDGE WIND POWER PHASE2	264	69	4.23%	6.93%	9.79%	-2.34%	0.13%	1.35%	2.18%	3.95%	1.44%	0.32%	3.47%	1.61%
DAI1	DIASHOWA	1089	13.8	-4.59%	-4.32%	-4.18%	-1.33%	-2.91%	-4.36%	-3.59%	-2.71%	-3.03%	-2.12%	-2.56%	-2.42%
DKSN	DICKSON DAM 1	6	4.16	5.07%	4.55%	5.21%	10.21%	8.93%	7.92%	3.29%	3.16%	3.34%	0.00%	0.00%	0.00%
DOWGEN15M	DOW GTG	61	138	6.36%	4.62%	3.28%	7.72%	6.22%	5.08%	6.11%	6.10%	5.65%	7.36%	6.23%	6.13%
DV1	DRAYTON VALLEY PL IPP	332	13.8	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	-0.17%	1.19%	4.04%	-3.63%	-2.08%	-0.62%	-1.40%	-0.30%	-1.49%	-3.40%	-0.66%	-1.39%
CES2	ENMAX CALGARY ENERGY CENTRE STG	3187	13.8	-1.54%	-1.26%	0.11%	-2.95%	-2.01%	-0.32%	-1.94%	-1.34%	-1.24%	-3.62%	-2.57%	-2.28%
CES1	ENMAX CALGARY ENERGY CENTRE CTG	4187	18	-1.66%	-1.41%	-0.10%	-2.96%	-2.08%	-0.50%	-1.99%	-1.43%	-1.31%	-3.64%	-2.63%	-2.34%
FNG1	FORT NELSON	1015	13.8	-8.85%	-5.92%	-3.39%	-2.03%	-5.06%	-12.65%	-13.38%	-2.82%	-8.75%	-2.78%	1.23%	-1.38%
EC04	FOSTER CREEK G1	3301	13.8	6.15%	3.81%	-1.75%	8.54%	5.60%	4.43%	6.83%	6.53%	5.79%	8.93%	7.88%	7.59%
EC04b	FOSTER CREEK G1	3302	13.8	6.03%	3.83%	-1.05%	9.92%	5.83%	4.30%	6.95%	6.37%	5.63%	8.76%	7.71%	7.37%
0000001511	FT MACLEOD	4237	25	-1.06%	-0.06%	2.17%	-4.52%	-4.70%	-3.86%	-1.86%	-1.50%	-3.11%	-4.03%	-2.18%	-3.28%

2011 Raw Loss Factors (%)															
MP ID	Names from GSO	MPID BUS	Voltage kV	WNL	WNM	WNP	SPL	SPM	SPP	SML	SMM	SMP	FLL	FLM	FLP
0000006711	STIRLING	450	4.16	-1.94%	-1.53%	-0.20%	-3.51%	-4.19%	-4.50%	-3.51%	-4.04%	-6.03%	-6.97%	-4.99%	-6.60%
ST1	STURGEON 1	1166	69	-4.03%	-2.97%	-2.79%	-0.95%	-1.97%	-2.77%	-2.93%	-1.66%	-1.69%	-1.35%	-1.68%	-1.14%
ST2	STURGEON 2	1166	69	-4.03%	-2.97%	-2.79%	-0.95%	-1.97%	-2.77%	-2.93%	-1.66%	-1.69%	-1.35%	-1.68%	-1.14%
IEW1	SUMMERVIEW 1	2336	34.5	1.14%	2.59%	4.97%	-2.45%	-1.07%	0.14%	-0.06%	0.99%	-0.43%	-1.67%	0.77%	0.30%
IEW2	SUMMERVIEW 2	4336	34.5	1.55%	3.06%	5.47%	-2.16%	-0.81%	0.38%	0.33%	1.41%	-0.13%	-1.29%	1.22%	0.56%
IEW1b	SUMMERVIEW 1	4340	34.5	1.41%	2.91%	5.33%	-2.34%	-0.96%	0.21%	0.30%	1.38%	-0.13%	-1.27%	1.21%	0.58%
CRS1	SUMMIT CROSSFIELD ENERGY CENTRE	4503	13.8	-1.91%	-1.63%	-0.74%	-1.49%	1.83%	3.19%	-1.91%	-0.78%	0.21%	-3.56%	-2.25%	-1.44%
CRS2	SUMMIT CROSSFIELD ENERGY CENTRE	2503	13.8	-1.91%	-1.63%	-0.74%	-1.49%	1.83%	3.19%	-1.91%	-0.78%	0.18%	-3.56%	-2.25%	-1.46%
CRS3	SUMMIT CROSSFIELD ENERGY CENTRE	3503	13.8	-1.91%	-1.63%	-0.74%	-1.49%	1.83%	3.19%	-1.91%	-0.78%	0.19%	-3.56%	-2.25%	-1.45%
SCR3	SUNCOR HILLRIDGE WIND FARM	2389	25	-1.33%	0.22%	2.40%	-5.35%	-4.46%	-4.00%	-2.42%	-2.06%	-3.76%	-5.35%	-3.22%	-3.90%
SCR2	SUNCOR MAGRATH	11002	0.575	0.93%	1.61%	3.80%	-2.05%	-1.40%	-1.08%	-0.88%	-0.71%	-2.42%	-3.61%	-1.57%	-2.75%
SCR1	SUNCOR MILLENIUM	1208	240	5.17%	3.94%	3.43%	8.17%	6.66%	5.27%	8.06%	7.39%	6.60%	8.41%	8.39%	8.80%
SD1	SUNDANCE #1	338	18	8.40%	7.57%	6.81%	8.77%	8.27%	8.07%	8.42%	8.79%	8.65%	10.31%	9.55%	9.50%
SD2	SUNDANCE #2	129	18	8.39%	7.56%	6.83%	8.74%	8.24%	8.04%	8.39%	8.77%	8.62%	10.28%	9.51%	9.45%
SD3	SUNDANCE #3	130	20	8.38%	7.51%	6.74%	8.76%	8.29%	8.09%	8.40%	8.78%	8.63%	10.26%	9.50%	9.42%
SD4	SUNDANCE #4	342	20	8.25%	7.41%	6.71%	8.65%	8.11%	7.79%	8.30%	8.72%	8.54%	10.11%	9.34%	9.25%
SD5	SUNDANCE #5	345	20	8.35%	7.56%	6.77%	8.62%	8.12%	7.94%	8.21%	8.53%	8.40%	10.06%	9.30%	9.22%
SD6	SUNDANCE #6	350	20	8.16%	7.31%	6.54%	8.61%	8.10%	7.88%	8.25%	8.60%	8.50%	10.07%	9.31%	9.24%
SCL1	SYNCRUDE	1205	240	5.95%	5.02%	4.46%	8.94%	7.66%	6.75%	9.20%	8.67%	8.16%	10.12%	10.34%	10.45%
TAB1	TABER WIND	16343	0.4	-0.10%	1.93%	4.32%	-5.94%	-5.61%	-6.03%	-1.11%	-1.04%	-3.32%	-5.54%	-3.47%	-4.17%
TAY1	TAYLOR HYDRO	4670	13.8	0.97%	1.36%	3.30%	-1.34%	-0.94%	-0.68%	-1.09%	-1.17%	-2.82%	-3.91%	-2.08%	-3.21%
TAY2	TAYLOR WIND PLANT	4670	13.8	0.97%	1.36%	3.30%	-1.34%	-0.94%	-0.68%	-1.09%	-1.17%	-2.82%	-3.91%	-2.08%	-3.21%
THS	THREE SISTERS	381	6.9	-7.02%	-3.48%	-1.77%	-7.25%	-5.24%	-3.87%	-7.24%	-4.79%	-3.64%	-7.69%	-3.92%	-2.47%
VVW2	VALLEYVIEW 2	1173	13.8	-1.93%	-1.38%	-1.17%	0.49%	-0.56%	-1.21%	-1.29%	-0.16%	-0.07%	0.32%	-0.05%	0.61%
VVW1	VALLEYVIEW 1	1171	13.8	-1.93%	-1.38%	-1.16%	0.49%	-0.56%	-1.21%	-1.30%	-0.16%	-0.08%	0.32%	-0.06%	0.59%
WTRN	WATER IPP	449	4.16	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
0000040511	WAUPISOO	2417	25	-5.36%	-6.51%	-9.49%	-2.97%	-6.59%	-7.81%	-1.46%	-4.73%	-4.64%	-5.18%	-7.71%	-8.05%
WST1	WESGEN	14	13.8	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	408	12.5	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Project518_1_SUP	GHOST PINE WIND FARM	2603	0	2.36%	4.46%	5.08%	-0.42%	1.83%	3.02%	1.98%	1.58%	1.32%	0.82%	2.30%	2.39%
Project462_1_SUP	ENEL ALBERTA CASTLE ROCK WIND FARM	67221	0.4	4.21%	5.79%	8.02%	-0.45%	0.87%	2.23%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Project723_1_SUP	GREENGATE HALKIRK WIND PROJECT	66435	0.4	7.57%	10.81%	12.19%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Project837_1_GEN	FORTISALBERTA AL-PAC PULP MILL	2392	13.8	-9.15%	-10.31%	-13.60%	-6.57%	-10.92%	-12.17%	-4.00%	-8.14%	-7.98%	0.00%	0.00%	0.00%
0000016301	Amoco Empress (163S)	262	240	-0.16%	3.19%	7.02%	-2.99%	0.18%	4.18%	-1.44%	-0.74%	-0.97%	-2.46%	0.56%	2.01%
0000079301	ANG Cochrane (793S)	191	138	-6.05%	-4.43%	-3.93%	-6.46%	-5.48%	-4.58%	-6.21%	-5.41%	-4.79%	-6.47%	-5.27%	-4.26%
341S025	Syncrude Standby (848S)	1200	240	6.34%	5.46%	5.03%	9.09%	7.86%	6.86%	9.69%	9.18%	8.65%	10.39%	10.57%	10.90%