							calculated								
MP_ID 0000034911	Facility Name ALTAGAS PARKLAND	Bus number 235	Voltage KV 138	-1.40%	FLM -1.40%	FLP -0.46%	-0.30%	-1.69%	-1.29%	-0.41%	-0.57%	SPP -1.28%	WNL 0.33%	-0.07%	WNP -1.11%
NX01 BAR	BALZAC BARRIER	290 216	138 138	-1.14% -2.97%	-0.87% -2.25%	0.42% -0.28%	-0.15% -1.52%	-0.66% -2.12%	0.09% -0.98%	-0.14% -1.65%	-0.05% -1.13%	0.14% -0.72%	-0.02% -1.87%	0.47% -0.60%	0.49% 0.05%
BR3 BR4	BATTLE RIVER #3 BATTLE RIVER #4	1491 1491	138 138	4.38%	5.60% 5.60%	6.38%	2.32%	3.53%	4.82% 4.82%	3.62%	5.95% 5.95%	6.41%	5.09% 5.09%	5.95% 5.95%	5.61% 5.61%
BR5 BCRK	BATTLE RIVER #5 BEAR CREEK G1	1469 10142	240 138	3.45%	4.60%	5.35% -4.48%	1.65% -4.04%	2.67% -3.45%	3.89%	2.95% -6.05%	5.04% -5.35%	5.35% -4.19%	4.42% -6.04%	5.13% -5.04%	4.82% -3.18%
BCR2 BPW	BEAR CREEK G2 BEARSPAW	10142 184	138 138	-4.71% -1.87%	-4.23% -1.92%	-4.48% -0.79%	-4.04% -0.74%	-3.45% -1.56%	-2.98% -1.13%	-6.05% -0.72%	-5.35% -1.01%	-4.19% -1.09%	-6.04% -0.84%	-5.04% -0.56%	-3.18% -0.69%
BIG BTR1	BIGHORN BLUE TRAIL WIND FARM	103 328	138 138	-0.04% 0.57%	0.98%	3.42%	0.16%	0.60%	1.23%	0.06%	1.28%	1.95%	-0.17% 2.87%	1.27%	2.54%
BRA	BRAZEAU														
GOC1 0000045411	BRIDGE CREEK BUCK LAKE	1145 80	138 138	0.00% 1.99%	0.00% 2.09%	0.00% 1.61%	0.00% 1.47%	0.00% 1.98%	0.00% 2.21%	0.00% 1.63%	0.00% 1.44%	0.00% 1.95%	0.00% 1.46%	0.00% 1.03%	0.00% 1.34%
TC01 CAS	CARSELAND CASCADE	5251 175	138 138	-1.11% -3.51%	-1.04% -2.74%	0.32% -0.53%	0.25% -2.11%	-0.65% -2.78%	0.04% -1.63%	0.14% -2.26%	0.02% -1.55%	0.01% -0.99%	0.22% -2.47%	0.58% -1.17%	0.26% -0.31%
CR1 CRR1	CASTLE RIVER CASTLE ROCK WIND FARM	234 221	138 240	-0.12% 0.16%	0.54%	1.87%	1.70%	0.14%	0.73%	1.22%	1.47% 0.00%	0.65%	2.17% 0.00%	1.97% 0.00%	1.23% 0.00%
EC01 CHIN	CAVAILIER CHIN CHUTE	247 406	138 138	-1.12% 0.00%	-0.29% 0.00%	1.52% 0.00%	-0.49% 0.00%	-0.03% 0.00%	1.99%	-0.79% 0.00%	0.40%	2.09%	-0.18% 0.00%	1.52% 0.00%	1.31% 0.00%
CMH1 ENC1	CITY OF MEDICINE HAT CLOVER BAR 1	680 516	138 69	-1.70% 3.08%	-0.33% 2.49%	0.45% 2.62%	-1.08% 2.83%	-0.79% 3.11%	0.67% 2.54%	-0.85% 3.13%	1.09%	1.46%	0.48%	1.95%	2.29%
ENC2	CLOVER BAR 2	516	69	3.08%	2.49%	2.62%	2.83%	3.11%	2.54%	3.13%	2.55%	2.55%	3.24% 3.24% 3.24%	2.79%	3.07%
ENC3 CNR5	CLOVER BAR 3 CNRL HORIZON	516 1263	69 240	3.08%	3.78%	2.62%	2.83%	3.11% 2.39%	1.86%	3.13% 1.67%	1.43%	0.85%	1.24%	2.79% 0.72%	3.07% 1.53%
CRE1 CRE2	COWLEY EXPANSION 1 COWLEY EXPANSION 2	264 264	69 69	1.64% 1.64%	2.27%	3.63% 3.63%	3.34% 3.34%	1.35% 1.35%	2.05%	2.63% 2.63%	3.17% 3.17%	2.26% 2.26%	4.96% 4.96%	3.99% 3.99%	2.91% 2.91%
CRE3 PKNE	COWLEY NORTH COWLEY RIDGE WIND POWER PHASE1	264 264	69 69	1.64%	2.27%	3.63% 3.63%	3.34% 3.34%	1.35% 1.35%	2.05%	2.63% 2.63%	3.17% 3.17%	2.26% 2.26%	4.96% 4.96%	3.99% 3.99%	2.91% 2.91%
CRWD DAI1	COWLEY RIDGE WIND POWER PHASE2 DIASHOWA	264 1088	69 138	1.64% -2.18%	2.27% -1.88%	3.63%	3.34%	1.35% -1.85%	2.05%	2.63% -3.39%	3.17%	2.26% -3.00%	4.96% -4.06%	3.99%	2.91% -3.12%
DKSN DOWGEN15M	DICKSON DAM 1 DOW GTG	4006 61	25 138	2.90% 2.65%	2.59% 2.17%	2.25%	4.45% 2.40%	4.38% 2.72%	4.80% 2.07%	4.52% 2.68%	2.95% 2.17%	2.07%	0.00% 2.64%	0.00% 2.08%	0.00% 2.37%
DV1 DRW1	DRAYTON VALLEY PL IPP DRYWOOD 1	4332 4226	25 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%
CES1 CES2	ENMAX CALGARY ENERGY CENTRE CTG ENMAX CALGARY ENERGY CENTRE STG	187 187	240 240	-1.09% -1.09%	-0.85% -0.85%	0.43%	-0.10% -0.10%	-0.65% -0.65%	0.08%	-0.07%	0.03%	0.18%	0.02%	0.49%	0.53%
CRS1	ENMAX CROSSFIELD ENERGY CENTER	503	138	-1.14%	-0.83%	1.28%	-0.23%	-0.29%	1.64%	-0.20%	0.22%	-0.16%	-0.08%	0.59%	1.27%
CRS2 CRS3	ENMAX CROSSFIELD ENERGY CENTER ENMAX CROSSFIELD ENERGY CENTER	503 503	138 138	-1.14% -1.14%	-0.83% -0.83%	1.28%	-0.23% -0.23%	-0.29% -0.29%	1.64%	-0.20%	0.22%	-0.16% -0.16%	-0.08% -0.08%	0.59%	1.27%
FNG1 AFG1TX	FORT NELSON FORTISALBERTA AL-PAC PULP MILL	20000 392	138 138	1.39% 0.97%	2.94% 0.36%	0.83% -0.52%	2.24% 0.18%	3.02% -0.07%	1.36% -0.19%	2.21% 0.31%	3.43% -0.57%	-0.49% -0.36%	-1.90% 0.01%	-0.06% -1.15%	0.05% -0.92%
EC04 0000001511	FOSTER CREEK G1 FT MACLEOD	1301 4237	138 25	3.65% -0.70%	2.63% -0.53%	-1.53% 0.06%	3.34% -0.06%	2.52% -1.43%	1.88% -1.15%	1.84% 0.26%	2.07% 0.08%	2.12% -1.05%	2.67% 1.39%	2.09% 0.73%	2.41% -0.43%
GN1 GN2	GENESEE 1 GENESEE 2	525 525	500 500	4.64%	4.08%	4.30%	4.43% 4.43%	4.87% 4.87%	4.51% 4.51%	4.81% 4.81%	4.26% 4.26%	4.41% 4.41%	4.99% 4.99%	4.45% 4.45%	4.57% 4.57%
GN3 GHO	GENESEE 3 GHOST	525 180	500 138	4.64% -2.64%	4.08%	4.30% -0.75%	4.43% -1.41%	4.87% -2.07%	4.51% -1.28%	4.81% -1.45%	4.26% -1.40%	4.41%	4.99%	4.45% -0.79%	4.57% -0.51%
NEP1 0000022911	GHOST PINE WIND FARM GLENWOOD	603 245	138 69	2.54% 0.25%	3.10%	3.46%	1.32%	1.45%	2.26%	2.57%	3.08%	2.89%	2.80%	2.73%	1.53%
GPEC	GRANDE PRAIRIE ECOPOWER CENTRE	1101	138	-4.93%	-4.51%	-4.82%	-4.20%	-3.71%	-3.28%	-6.23%	-5.57%	-4.53%	-6.28%	-5.36%	-3.48%
0000025611 HSH	HARMATTAN GAS PLANT DG HORSESHOE	4123 171	25 138	-2.11% -2.89%	-2.09% -2.24%	-1.28% -0.33%	-1.38% -1.40%	-1.79% -2.05%	-1.46% -0.98%	-1.87% -1.54%	-1.93% -1.12%	-1.92% -0.77%	-2.25% -1.78%	-1.81% -0.59%	-1.94% 0.00%
HRM INT	HR MILNER INTERLAKES	1147 376	138 25	-2.16% -2.85%	-1.54% -1.21%	-1.17% 2.61%	-1.19% -0.83%	-1.00% -1.58%	-0.25% 0.07%	-4.08% -0.93%	-2.42% 0.16%	-0.14% 1.89%	-3.55% -1.22%	-1.81% 1.50%	0.29% 3.39%
KAN KH1	KANANASKIS KEEPHILLS #1	193 420	138 240	-2.87% 5.06%	-2.22% 4.71%	-0.31% 4.95%	-1.36% 4.81%	-2.01% 5.28%	-0.93% 5.28%	-1.51% 5.12%	-1.09% 4.83%	-0.74% 5.11%	-1.75% 5.38%	-0.57% 5.03%	0.03% 5.16%
KH2 KH3	KEEPHILLS #2 KEEPHILLS #3	420 610	240 500	5.06% 4.62%	4.71% 4.07%	4.95% 4.28%	4.81% 4.41%	5.28% 4.84%	5.28% 4.48%	5.12% 4.78%	4.83% 4.24%	5.11% 4.39%	5.38% 4.96%	5.03% 4.43%	5.16% 4.54%
KHW1 IOR1	KETTLES HILL WIND ENERGY PHASE 2 MAHKESES COLD LAKE	402	138	0.28%	0.82%	1.99%	1.97%	0.29%	0.76%	1.40%	1.60%	0.61%	2.57%	2.11%	1.22%
AKE1 MKRC	MCBRIDE MCKAY RIVER	901 1274	138 240	-0.03% 3.93%	0.18%	0.99% 2.80%	1.43%	-0.52% 2.41%	-0.37% 1.88%	0.99% 1.72%	0.94% 1.47%	-0.28% 0.93%	2.70% 1.26%	1.68% 0.71%	0.30% 1.53%
MEG1 MKR1	MEG ENERGY MUSKEG	405 1236	240 240	3.40%	2.90%	2.15%	2.78%	2.65%	1.94%	3.76%	1.94%	1.66%	2.03%	1.43%	1.99%
NX02	NEXEN OPTI	1241	138	3.89%	3.37%	2.38%	3.36%	3.50%	2.73%	5.19%	2.29%	1.80%	2.14%	1.51%	2.18%
NPP1 NPC1	NORTHERN PRAIRIE POWER PROJECT NORTHSTONE ELMWORTH	1120 1134	138 138	-7.85% -7.36%	-6.92% -6.64%	-6.48% -6.64%	-6.77% -6.27%	-5.86% -5.66%	-3.86% -4.51%	-8.78% -8.40%	-7.59% -7.56%	-6.98% -6.77%	-9.10% -8.69%	-7.38% -7.44%	-3.82% -4.59%
NOVAGEN15M OMRH	NOVA JOFFRE OLDMAN	383 230	138 138	0.21%	0.40%	1.08% 2.16%	0.44% 2.33%	0.69% 0.53%	1.39% 0.98%	0.42% 1.70%	0.77% 1.88%	1.08% 0.74%	0.92% 2.79%	1.10% 2.29%	1.17% 1.39%
WEY1 0000039611	P&G WEYERHAUSER PINCHER CREEK	1146 224	13.8 138	-4.78% 0.10%	-4.28% 0.66%	-4.49% 1.85%	-4.15% 1.80%	-3.50% 0.19%	-3.07% 0.72%	-6.10% 1.26%	-5.41% 1.47%	-4.24% 0.55%	-6.09% 2.30%	-5.08% 1.97%	-3.19% 1.13%
POC PH1	POCATERRA POPLAR HILL	214 1118	13.8 138	-2.83% -7.85%	-1.66% -6.93%	0.87% -6.51%	-0.80% -6.77%	-1.59% -5.87%	-0.22% -3.91%	-0.89% -8.78%	-0.13% -7.61%	0.52% -7.00%	-1.17% -9.10%	0.46% -7.40%	1.36% -3.87%
PR1 RB1	PRIMROSE RAINBOW 1	1302 1031	138 14.4	2.36%	1.25%	-2.85% -0.35%	2.05% 0.53%	1.38%	0.64%	1.08% 0.35%	0.74% 1.61%	0.40%	1.22%	0.44% -1.14%	0.61% -0.59%
RB2 RB3	RAINBOW 2 RAINBOW 3	1032 1028	14.4 138	0.09%	1.64% 1.83%	-0.35% -0.15%	0.53% 0.91%	1.47% 1.77%	0.00% 0.24%	0.35% 0.66%	1.61% 1.79%	-1.25% -1.17%	-2.74% -2.48%	-1.14% -0.94%	-0.60% -0.53%
RL1 RB5	RAINBOW 4 RAINBOW 5	83 1037	138 14.4	0.40%	1.84%	-0.14% -0.29%	0.92%	1.77%	0.25%	0.67%	1.80%	-1.17% -1.15%	-2.47% -2.70%	-0.94% -1.08%	-0.52% -0.49%
RYMD	RAYMOND RESERVOIR	413	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%
TC02 RUN	REDWATER RUNDLE	50 195	138 138	-3.24%	1.88%	1.70%	2.21% -1.87%	2.47%	1.77%	-2.00%	1.97%	1.87% -0.81%	2.39%	1.81% -0.79%	-0.05%
SH1 SH2	SHEERNESS #1 SHEERNESS #2	1484 1484	240 240	2.86% 2.86%	4.07% 4.07%	4.80% 4.80%	2.26%	2.79% 2.79%	4.23% 4.23%	2.69%	5.13% 5.13%	5.17% 5.17%	4.84% 4.84%	5.59% 5.59%	5.23% 5.23%
SHCG SCTG	SHELL CAROLINE SHELL SCOTFORD	4370 43	25 138	-1.86% 2.31%	-1.58% 1.82%	-0.72% 1.67%	-1.42% 2.18%	-1.50% 2.45%	-1.19% 1.70%	-1.46% 2.31%	-1.21% 1.98%	-1.16% 1.83%	-1.84% 2.32%	-1.34% 1.76%	-1.14% 2.13%
GWW1 SPR	SODERGLEN SPRAY	358 310	138 138	0.78% -3.17%	1.21% -2.34%	2.39% -0.16%	2.50% -1.81%	0.59% -2.35%	0.87% -1.19%	1.87% -1.93%	1.98% -1.24%	0.86% -0.75%	3.31%	2.52% -0.70%	1.43% 0.01%
0000038511 STMY	SPRING COULEE ST MARY IPP	246 3448	69 25	0.18%	0.15%	-0.08%	1.62%	0.08%	0.25%	0.85%	-0.03% 0.00%	-1.20% 0.00%	1.37% 0.00%	0.74%	-1.10% 0.00%
0000006711 ST1	STIRLING STURGEON 1	3450 1166	25 69	-1.54% -2.04%	-1.48% -1.55%	-1.38% -2.57%	-0.59% -2.20%	-2.06% -1.43%	-1.99% -1.73%	-0.74% -3.11%	-0.93% -2.80%	-2.23% -2.17%	0.09%	-0.68% -3.00%	-1.97% -2.15%
ST2 IEW1	STURGEON 2 SUMMERVIEW 1	1166 336	69 138	-2.04% 0.70%	-1.55% 1.34%	-2.57% 2.45%	-2.20% 2.71%	-1.43% 0.72%	-1.73% 1.12%	-3.11% 1.98%	-2.80% 2.23%	-2.17% 0.94%	-3.53% 3.35%	-3.00% 2.66%	-2.15% 1.68%
IEW2 SCR3	SUMMERVIEW 1 SUMMERVIEW 2 SUNCOR HILLRIDGE WIND FARM	336 389	138 138	0.70%	1.34%	2.45% 2.45% 0.10%	2.71%	0.72%	1.12%	1.98%	2.23%	0.94%	3.35% 1.60%	2.66%	1.68%
SCR2	SUNCOR MAGRATH	251	138	0.04%	0.21%	0.77%	1.34%	-0.21%	-0.06%	0.97%	0.83%	-0.40%	2.23%	1.39%	0.02%
SCR1 SCR4	SUNCOR MILLENIUM SUNCOR WINTERING HILLS WIND ENERGY P	1208 759	240 138	4.31% 2.95%	4.10% 3.95%	3.05% 4.38%	2.48% 1.82%	2.45%	1.95% 3.22%	1.88% 2.64%	1.58% 4.42%	1.00% 4.17%	1.28% 4.61%	0.65% 4.99%	1.52% 4.15%
SD3 SD4	SUNDANCE #3 SUNDANCE #4	135 135	240 240	3.79% 3.79%	3.89% 3.89%	3.10% 3.10%	3.02% 3.02%	3.68% 3.68%	3.70% 3.70%	3.35% 3.35%	3.28% 3.28%	3.72% 3.72%	3.23% 3.23%	3.14% 3.14%	3.52% 3.52%
SD5 SD6	SUNDANCE #5 SUNDANCE #6	135 135	240 240	3.79% 3.79%	3.89%	3.10% 3.10%	3.02% 3.02%	3.68% 3.68%	3.70% 3.70%	3.35% 3.35%	3.28% 3.28%	3.72% 3.72%	3.23% 3.23%	3.14% 3.14%	3.52% 3.52%
SCL1 TAB1	SYNCRUDE TABER WIND	1205 343	240 138	4.23% -1.56%	4.02% -1.07%	2.96%	2.44%	2.40%	1.90%	1.82%	1.52% -0.09%	0.95% -1.05%	1.25% 1.43%	0.60%	1.49% -0.31%
TAY1 TAY2	TAYLOR HYDRO TAYLOR WIND PLANT	670 670	69 69	0.11%	0.15%	0.43%	1.14%	-0.04% -0.04%	0.10%	0.87%	0.58%	-0.66% -0.66%	1.89%	1.11%	-0.26% -0.26%
THS	THREE SISTERS	379	25	-3.34%	-2.09%	0.44%	-2.08%	-2.48%	-1.04%	-2.22%	-1.48%	-0.81%	-2.06%	-0.51%	0.27%
ARD1 VVW2	TRANSALTA ARDENVILLE WIND FARM ATCO VALLEY VIEW 2	739 1172	138 138	0.97%	1.40%	2.47% -2.02%	2.34%	0.66% -0.95%	1.07%	1.98%	2.05%	0.92% -1.60%	3.34%	2.55%	1.47%
VVW1 WTRN	VALLEYVIEW WATER IPP	1172 3449	138 25	-1.47% 0.25%	-1.00% 0.72%	-2.02% 1.97%	-1.66% 0.00%	-0.95% 0.00%	-1.25% 0.00%	-2.59% 0.00%	-2.19% 0.00%	-1.60% 0.00%	-2.90% 0.00%	-2.45% 0.00%	-1.62% 0.00%
0000040511 WST1	WAUPISOO WESGEN	417 21	138 138	0.92% 0.00%	0.30%	-0.60% 0.00%	0.15% 0.00%	-0.12% 0.00%	-0.25% 0.00%	0.26% 0.00%	-0.62% 0.00%	-0.43% 0.00%	-0.03% 0.00%	-1.18% 0.00%	-0.99% 0.00%
EAGL Project723_1_SUP	WHITE COURT CAPITAL POWER HALKIRK WIND PROJECT	410 1435	69 240	0.00% 3.50%	0.00% 4.67%	0.00% 5.41%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
0000016301 0000079301	Amoco Empress (163S) ANG Cochrane (793S)	262 191	240 138	-0.30% -2.74%	0.83%	1.87%	-0.06% -1.75%	0.37%	1.11%	0.72%	3.15%	3.27%	2.14%	3.04%	3.26%
341S025	Syncrude Standby (848S)	1200	240	4.23%	4.01%	2.96%	2.45%	2.41%	1.91%	1.83%	1.53%	0.95%	1.25%	0.62%	1.49%