

Prepared For: Alberta Electric System Operator

Transmission Loss Factor GSO Data Confirmation for 2016

Prepared by:

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As requested by the Alberta Electric System Operator (AESO), Teshmont Consultants LP (Teshmont) is in the process of preparing of 2016 Loss Factor (LF) Generic Stacking Order (GSO).

A draft of the 2016 LF GSO submitted to the AESO is attached. The calculation of the capacities within the GSO was completed in accordance with ISO Rules Section 501.10, *Transmission Loss Factor Methodology and Requirements*.

http://www.aeso.ca/downloads/Division_501_-_Section_501-10_-_Transmission_Loss_Factor_%28October_10_2012%29.pdf

Please note that if a generating unit is not yet constructed but has an in-service date (“ISD”) before October 15, 2016, and has Alberta Utilities Commission (“AUC”) approval, the unit is included in the overall GSO list in accordance with Section 501.10.

The H-values (please refer to Subsection 4(2) in ISO Rules Section 501.10 Appendix 1) that are used in 2016 GSO calculation are shown in the following table.

H-values	Winter (Hr)	Spring (Hr)	Summer (Hr)	Fall (Hr)
H1*	0	0	0	0
H2	50	75	175	275
H3	2050	1975	2125	1425
H4	2160	2207	2208	2185

*H1 is changed from 1 to 0 in this year to better reflect (3)g in the ISO Rules Section 501.10.

2016 Generic Stacking Order Draft Version

New GSO Number	Name	MPID	Gen with 2nd Block	Generation Type	Winter Peak Capacity (MW)	Winter Med Capacity (MW)	Winter Low Capacity (MW)	Spring Peak Capacity (MW)	Spring Med Capacity (MW)	Spring Low Capacity (MW)	Summer Peak Capacity (MW)	Summer Med Capacity (MW)	Summer Low Capacity (MW)	Fall Peak Capacity (MW)	Fall Med Capacity (MW)	Fall low Capacity (MW)
1	POPLAR HILL	PH1	1	Gas	10.4	10.5	4.9	23.8	4.7	1.3	0.7	2.1	0.3	9.0	6.6	4.1
2	TRANSCANADA BEAR CREEK GENERATOR	BCRK	1	Co-Cycle	0.0	0.2	0.0	41.0	5.1	1.3	0.0	0.0	0.0	0.0	0.0	0.0
3	VALLEYVIEW	VVW1	1	Gas	0.0	0.6	0.0	11.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	TABER WIND	TAB1		Wind	27.7	32.3	41.5	35.7	25.7	25.2	5.2	16.6	19.4	22.0	26.2	26.9
5	FT MACLEOD	0000001511		Wind, DG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	GLENWOOD	0000022911		Wind, DG	0.0	0.0	0.1	0.0	0.1	0.2	0.0	0.2	0.4	0.0	0.1	0.2
7	SUNCOR HILLRIDGE WIND FARM	SCR3		Wind	11.5	13.1	18.9	15.4	10.7	7.6	2.1	6.8	7.7	9.8	11.2	11.1
8	SUNCOR MAGRATH	SCR2		Wind	10.5	12.1	16.2	14.5	9.9	6.6	3.2	7.1	7.3	9.2	10.5	10.4
9	CASTLE RIVER	CR1		Wind	10.7	15.3	21.8	18.1	11.4	3.6	5.4	5.8	3.8	8.2	12.1	9.7
10	PINCHER CREEK	0000039611		Wind, DG	0.7	1.6	3.6	1.9	1.1	0.4	0.1	0.5	0.3	1.1	1.7	1.8
11	MCBRIDE	AKE1		Wind	21.6	31.3	43.8	33.3	20.5	9.9	6.5	13.1	8.9	18.4	27.0	23.8
12	ENEL ALBERTA CASTLE ROCK WIND FARM	CRR1		Wind	28.3	33.9	44.8	37.8	23.9	9.3	9.7	12.8	9.7	25.0	27.9	23.6
13	KETTLES HILL WIND ENERGY PHASE 2	KHW1		Wind	22.3	27.4	38.6	33.4	21.5	8.1	8.8	12.4	9.8	19.1	25.3	22.4
14	SUMMERVIEW 2	IEW2		Wind	18.0	24.6	31.9	32.2	19.0	7.4	7.3	9.9	5.7	18.5	21.9	16.8
15	SUMMERVIEW 1	IEW1		Wind	20.9	29.1	39.9	37.7	22.1	9.9	8.8	11.3	7.9	20.0	25.2	20.3
16	BLACKSPRING RIDGE I WIND PROJECT	BSR1		Wind	83.2	113.8	157.1	160.3	119.4	97.5	49.6	76.0	84.1	85.0	115.9	114.2
17	SODERGLEN	GWW1		Wind	20.6	28.0	40.1	33.4	24.0	12.9	8.3	15.9	15.1	15.9	26.5	23.5
18	BLUE TRAIL WIND FARM	BTR1		Wind	16.8	26.7	35.1	34.4	20.6	10.2	5.3	10.2	8.3	18.1	22.8	20.6
19	ALBERTA WIND ENERGY OLD MAN RIVER WIND FARM	OWF1		Wind	15.0	21.7	29.6	25.5	17.3	7.7	1.4	1.8	0.3	13.7	20.0	16.8
20	GHOST PINE WIND FARM	NEP1		Wind	24.7	24.2	32.0	34.8	24.6	25.3	7.2	17.7	15.4	24.4	23.7	23.2
21	TRANSALTA ARDENVILLE WIND FARM	ARD1		Wind	20.9	28.5	40.6	33.7	21.9	12.0	5.6	13.4	11.3	21.1	25.5	24.5
22	COWLEY EXPANSION 1	CRE1		Wind	0.0	0.1	0.2	0.3	0.1	0.1	0.0	0.1	0.0	0.0	0.1	0.1
23	COWLEY EXPANSION 2	CRE2		Wind	0.0	0.1	0.2	0.3	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.1
24	COWLEY NORTH	CRE3		Wind	5.7	6.1	8.0	5.6	4.0	1.7	2.7	2.6	1.4	5.9	6.0	4.6
25	COWLEY RIDGE WIND POWER PHASE1	PKNE		Wind	1.1	1.6	2.4	2.9	1.9	0.6	0.7	0.7	0.4	1.3	1.3	0.9
26	COWLEY RIDGE WIND POWER PHASE2	CRWD		Wind	1.5	1.8	2.2	2.7	1.9	0.7	0.8	0.8	0.4	1.4	1.8	1.3
27	CAPITAL POWER HALKIRK WIND PROJECT	HAL1		Wind	65.6	64.0	73.3	91.2	55.7	79.2	13.9	40.8	31.4	55.1	59.0	63.7
28	SUNCOR WINTERING HILLS WIND ENERGY PROJECT	SCR4		Wind	35.2	36.6	46.0	50.0	33.9	40.5	8.3	26.5	24.3	35.4	35.0	35.2
29	FORTIS BULL CREEK PHASE 2 GENERATORS INCREASE	Project1608_1_GN		Wind	7.2	7.2	7.2	5.5	5.5	5.5	4.1	4.1	4.1	6.1	6.1	6.1
30	FORTIS BULL CREEK PHASE 1 GENERATORS INCREASE	Project1607_1_GN		Wind	6.1	6.1	6.1	4.6	4.6	4.6	3.5	3.5	3.5	5.1	5.1	5.1
31	SUNCOR HAND HILLS WIND ENERGY PROJECT	Project635_1_GN		Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	BLUEARTH HAND HILLS WIND PROJECT	Project678_1_GN		Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.5	30.5	30.5
33	WESGEN	WST1		Bio-mass	11.8	12.4	12.3	13.2	11.5	10.7	8.3	10.2	12.4	9.5	12.9	13.5

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34	GRANDE PRAIRIE ECOPOWER CENTRE	GPEC		Co-gen	7.6	8.3	10.7	3.4	7.8	8.4	5.9	7.6	8.1	6.9	7.1	8.6
35	P&G WEYERHAUSER	WEY1		Co-gen	0.8	1.2	1.1	1.4	1.4	0.8	1.0	0.8	0.1	1.7	1.1	0.7
36	BEAR CREEK G2	BCR2		Co-Cycle	16.9	16.0	15.5	17.2	15.6	15.1	22.4	18.2	16.4	16.7	14.2	12.9
37	PENGROWTH LINDBERGH CO-GEN	372S025N		Co-gen	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	DIASHOWA	DAI1	1	Co-gen	11.4	9.5	9.2	8.6	8.3	7.3	15.0	9.8	5.1	10.3	9.4	9.1
39	SHELL CAROLINE	SHCG		Co-gen	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	FORTISALBERTA AL-PAC PULP MILL	AFG1TX	1	Gas	7.2	2.9	1.7	3.8	4.9	4.8	18.5	11.2	9.0	6.2	4.1	4.1
41	MAHKESES COLD LAKE	IOR1		Co-gen	128.2	158.8	179.5	137.3	141.8	117.9	115.1	131.5	154.2	126.7	128.5	130.3
42	ALTAGAS PARKLAND	0000034911		Gas, DG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	PRIMROSE	PR1		Co-gen	0.0	0.1	0.0	0.0	0.2	1.2	10.5	8.4	7.8	0.1	2.1	2.5
44	ENMAX CALGARY ENERGY CENTRE CTG	CES1	1	Co-Cycle	80.9	46.7	20.0	47.0	50.8	45.5	84.9	31.5	11.4	63.7	25.9	9.4
45	ENMAX CALGARY ENERGY CENTRE STG	CES2	1	Co-Cycle	44.5	26.6	12.7	24.5	29.3	27.8	60.4	20.2	7.6	35.7	15.8	5.8
46	MEG ENERGY	MEG1		Co-gen	145.4	142.4	139.8	144.2	125.4	113.8	106.6	105.5	83.5	139.5	131.1	133.3
47	BALZAC	NX01	1	Co-Cycle	41.3	25.8	10.3	9.2	16.2	9.0	43.8	18.2	5.9	33.8	10.0	3.7
48	FOSTER CREEK G1	EC04		Co-gen	21.5	20.2	18.5	20.9	13.8	12.1	4.9	9.6	16.4	18.4	19.1	19.7
49	ENMAX SHEPARD ENERGY CENTRE	EGC1	1	Co-Cycle	46.8	83.8	62.3	154.6	426.3	321.7	648.6	162.1	0.0	0.1	12.5	1.4
50	HARMATTAN GAS PLANT DG	0000025611		Gas	1.6	3.1	3.6	1.3	3.5	2.8	3.4	2.6	3.5	2.4	3.4	4.3
51	NOVA JOFFRE	NOVAGEN15M	1	Co-gen	127.5	88.1	57.1	87.7	77.0	67.1	114.7	79.0	54.6	75.5	41.5	32.7
52	CARSELAND	TC01		Co-gen	60.8	58.5	61.2	63.1	61.4	53.1	60.2	60.5	47.6	65.4	65.9	64.0
53	NEXEN OPTI	NX02		Co-gen	24.5	31.8	28.4	32.4	18.0	18.8	9.4	21.2	27.0	26.8	22.3	24.0
54	REDWATER	TC02		Co-gen	9.2	9.2	9.4	9.3	8.5	8.8	3.3	6.1	6.0	10.4	9.1	9.2
55	CITY OF MEDICINE HAT	CMH1	1	Gas	18.3	7.4	2.1	4.9	6.4	4.5	26.9	10.4	4.0	16.4	7.9	4.5
56	CNRL HORIZON	CNR5		Co-gen	0.1	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.0	0.0	2.3	2.8
57	SHELL SCOTFORD	SCTG		Co-gen	0.0	0.1	0.0	0.0	1.4	1.5	1.0	0.1	0.0	0.3	0.0	0.0
58	DOW GTG	DOWGEN15M	1	Co-gen	65.9	37.2	7.9	25.2	18.1	6.6	53.0	22.7	5.5	48.2	28.6	9.0
59	CAVAILIER	EC01	1	Co-Cycle	40.7	22.2	2.4	22.1	23.9	15.1	50.6	21.8	3.1	43.9	25.9	10.3
60	BUCK LAKE	0000045411		Co-gen, DG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61	IMPERIAL KEARL OIL GENERATOR ADDITION BTF	IOR3		Co-gen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62	MUSKEG	MKR1		Co-gen	47.6	33.0	24.6	35.9	13.2	9.2	15.6	19.0	31.2	59.0	29.7	24.9
63	MCKAY RIVER	MKRC		Co-gen	180.8	178.9	176.8	175.6	131.6	165.5	129.7	135.3	117.5	179.9	148.9	151.7
64	WHITE COURT	EAGL		Bio-mass	24.0	22.4	21.5	18.8	19.9	19.8	24.3	23.0	21.9	23.5	21.0	20.7
65	SUNCOR MILLENIUM	SCR1		Co-gen	405.0	416.7	407.9	420.1	387.5	348.2	275.5	297.2	327.9	321.9	333.8	319.5
66	SYNCRUDE	SCL1		Co-gen	7.6	12.4	16.2	6.6	19.5	39.2	27.1	35.4	36.6	10.9	15.2	16.3
67	CASCADE	CAS		Hydro	20.0	11.6	1.8	18.6	7.6	0.8	4.4	1.7	0.1	9.5	4.0	0.7
68	KANANASKIS	KAN		Hydro	7.0	6.1	6.1	7.5	9.4	10.3	16.8	16.5	17.2	7.5	9.7	8.8
69	BEARSPAW	BPW		Hydro	5.4	6.2	6.6	6.7	8.0	10.2	12.1	12.9	13.7	5.8	7.8	8.4
70	HORSESHOE	HSB		Hydro	5.1	6.3	7.8	7.7	8.7	9.8	14.4	13.8	11.4	4.4	5.4	4.4

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71	GHOST	GHO		Hydro	28.6	13.8	6.5	18.0	16.8	14.6	39.9	35.1	40.8	18.9	20.2	11.8
72	THREE SISTERS	THS		Hydro	1.0	0.8	0.5	0.4	0.0	0.0	0.1	0.0	0.0	0.7	0.3	0.2
73	SPRAY	SPR		Hydro	38.1	35.5	26.8	36.4	31.1	21.6	41.1	35.3	19.1	25.7	21.1	10.4
74	RUNDLE	RUN		Hydro	11.5	10.3	7.6	10.4	8.7	5.7	10.6	8.9	4.7	7.1	5.4	1.7
75	POCATERRA	POC		Hydro	1.4	1.0	0.3	0.0	2.7	1.1	6.9	2.2	0.3	4.3	3.0	0.7
76	INTERLAKES	INT		Hydro	2.6	0.7	0.0	2.7	0.9	0.0	2.9	0.8	0.0	1.6	1.2	0.1
77	SPRING COULEE	000038511		Hydro, DG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78	BARRIER	BAR		Hydro	2.6	1.7	0.1	8.7	6.0	3.8	9.6	5.2	8.6	4.8	4.9	0.6
79	BRAZEAU	BRA	1	Hydro	53.1	26.9	5.5	27.6	22.9	3.6	76.3	52.6	57.6	41.7	28.4	5.2
80	STIRLING	000006711		Hydro, DG	0.0	0.0	0.0	0.0	0.1	1.0	0.0	0.3	1.1	0.0	0.0	0.3
81	CHIN CHUTE	CHIN		Hydro	0.0	0.0	0.0	0.0	2.9	7.6	2.6	5.6	8.9	0.0	3.5	4.4
82	OLDMAN	OMRH		Hydro	13.6	11.3	10.9	10.1	21.7	22.7	25.6	25.9	29.0	12.2	15.2	16.5
83	TAYLOR HYDRO	TAY1		Hydro	0.0	0.0	0.0	0.0	3.3	8.7	12.1	11.3	11.4	0.0	1.5	1.6
84	BIGHORN	BIG		Hydro	51.2	46.8	35.9	62.1	52.0	53.0	64.0	43.8	34.8	64.7	51.1	39.3
85	RAYMOND RESERVOIR	RYMD		Hydro	0.0	0.0	0.0	0.0	4.0	10.6	14.3	12.9	12.7	0.0	5.4	6.4
86	HR MILNER	HRM	1	Coal	89.7	57.9	50.7	13.8	13.9	15.7	78.3	69.2	77.2	81.5	61.8	57.2
87	SHEERNESS #1	SH1	1	Coal	151.8	106.5	56.6	172.9	154.2	105.2	186.4	170.9	110.2	209.7	203.8	176.8
88	SHEERNESS #2	SH2	1	Coal	162.5	170.7	114.1	171.1	132.9	90.8	177.5	161.6	106.0	205.0	186.0	160.0
89	KEEPHILLS #3	KH3	1	Coal	226.5	212.3	222.7	228.6	221.9	223.6	207.5	211.4	195.4	207.7	227.2	229.6
90	GENESEE 1	GN1	1	Coal	212.7	211.0	205.9	206.1	160.1	73.8	217.5	208.7	207.8	213.5	212.2	209.1
91	GENESEE 2	GN2	1	Coal	214.6	215.0	207.2	217.5	211.9	208.4	215.0	203.4	170.3	212.3	212.5	210.5
92	GENESEE 3	GN3	1	Coal	223.0	224.2	220.6	224.2	219.4	219.4	219.0	214.8	208.8	223.8	143.4	143.2
93	BATTLE RIVER #5	BR5	1	Coal	214.6	185.3	120.4	131.6	62.3	51.1	210.3	173.2	108.2	204.3	176.6	144.8
94	KEEPHILLS #1	KH1	1	Coal	322.5	321.0	314.7	338.6	65.2	80.9	311.4	305.1	316.5	330.1	315.6	304.0
95	KEEPHILLS #2	KH2	1	Coal	292.5	275.4	227.4	276.7	243.2	214.9	247.3	255.1	239.6	284.1	275.8	263.1
96	BATTLE RIVER #3	BR3	1	Coal	47.0	37.5	38.0	31.6	8.9	3.2	75.8	57.5	40.6	53.2	55.2	46.4
97	BATTLE RIVER #4	BR4	1	Coal	67.6	52.7	33.7	42.3	60.0	63.4	69.7	54.1	31.4	68.3	63.6	45.9
98	SUNDANCE #1	SD1	1	Coal	179.2	185.9	156.1	188.4	143.5	105.8	164.9	161.6	153.1	204.1	199.2	174.8
99	SUNDANCE #2	SD2	1	Coal	156.6	157.6	129.9	163.0	148.5	111.0	155.2	157.2	131.9	193.9	172.0	160.9
100	SUNDANCE #3	SD3	1	Coal	211.8	198.5	197.4	200.5	51.2	61.7	177.8	150.7	95.3	195.3	176.6	153.8
101	SUNDANCE #4	SD4	1	Coal	153.7	123.7	65.1	96.0	170.0	152.5	166.1	144.8	90.1	199.5	191.0	171.3
102	SUNDANCE #5	SD5	1	Coal	241.9	227.3	198.8	244.4	192.9	156.3	184.8	214.2	185.0	247.7	250.7	222.6
103	SUNDANCE #6	SD6	1	Coal	184.1	179.7	142.8	198.9	169.2	181.6	118.5	78.4	24.0	155.1	192.1	175.8
104	KEEPHILLS #3	KH3	2	Coal	195.6	183.3	192.3	197.4	191.6	193.1	179.2	182.5	168.8	179.4	196.2	198.3
105	GENESEE 3	GN3	2	Coal	232.0	233.3	229.5	233.3	228.3	228.3	227.8	223.5	217.2	232.8	149.2	149.0
106	GENESEE 2	GN2	2	Coal	174.8	175.1	168.8	177.2	172.6	169.7	175.1	165.7	138.7	172.9	173.1	171.4
107	GENESEE 1	GN1	2	Coal	173.3	172.0	167.8	167.9	130.5	60.2	177.3	170.1	169.4	174.0	173.0	170.5

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108	SUNDANCE #6	SD6	2	Coal	156.8	153.1	121.7	169.4	144.1	154.7	101.0	66.8	20.4	132.1	163.7	149.8
109	SUNDANCE #5	SD5	2	Coal	117.1	110.1	96.2	118.3	93.4	75.7	89.5	103.7	89.6	119.9	121.4	107.8
110	KEEPHILLS #2	KH2	2	Coal	100.0	94.2	77.8	94.6	83.2	73.5	84.6	87.3	82.0	97.2	94.3	90.0
111	KEEPHILLS #1	KH1	2	Coal	30.8	30.7	30.1	32.4	6.2	7.7	29.8	29.2	30.3	31.6	30.2	29.1
112	BATTLE RIVER #5	BR5	2	Coal	136.2	117.7	76.4	83.6	39.5	32.5	133.5	109.9	68.7	129.7	112.1	92.0
113	SUNDANCE #1	SD1	2	Coal	45.3	47.0	39.4	47.6	36.3	26.7	41.7	40.8	38.7	51.6	50.3	44.2
114	SUNDANCE #3	SD3	2	Coal	117.4	110.0	109.4	111.2	28.4	34.2	98.6	83.5	52.9	108.2	97.9	85.3
115	SUNDANCE #4	SD4	2	Coal	107.4	86.4	45.5	67.1	118.8	106.5	116.0	101.2	62.9	139.4	133.4	119.7
116	SUNDANCE #2	SD2	2	Coal	54.6	54.9	45.3	56.8	51.7	38.7	54.1	54.8	45.9	67.6	59.9	56.1
117	SHEERNESS #2	SH2	2	Coal	114.8	120.6	80.6	120.9	93.8	64.1	125.4	114.2	74.9	144.8	131.4	113.0
118	SHEERNESS #1	SH1	2	Coal	96.7	67.8	36.1	110.2	98.3	67.0	118.8	108.9	70.2	133.6	129.9	112.7
119	BATTLE RIVER #4	BR4	2	Coal	54.5	42.5	27.2	34.2	48.5	51.2	56.3	43.7	25.3	55.1	51.3	37.1
120	HR MILNER	HRM	2	Coal	7.2	4.7	4.1	1.1	1.1	1.3	6.3	5.6	6.2	6.6	5.0	4.6
121	BATTLE RIVER #3	BR3	2	Coal	16.5	13.2	13.3	11.1	3.1	1.1	26.6	20.2	14.2	18.6	19.4	16.3
122	BRAZEAU	BRA	2	Hydro	3.9	2.0	0.4	2.0	1.7	0.3	5.6	3.8	4.2	3.0	2.1	0.4
123	BC IMPORT	BCHIMP		Import	399.7	112.3	0.0	136.6	34.7	2.6	403.7	140.7	105.5	198.8	56.9	0.0
124	SASKATCHEWAN IMPORT	SPCIMP		Import	2.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125	MONTANA TIE LINE	MATLIMP		Import	151.2	61.6	25.2	40.3	19.7	3.2	120.4	68.9	86.5	82.6	36.9	26.7
126	NORTHERN PRAIRIE POWER PROJECT	NPP1	1	Gas	37.8	8.7	4.1	11.3	9.0	4.1	41.5	10.7	4.1	21.0	14.0	8.0
127	NORTHSTONE ELMWORTH	NPC1		Gas	4.4	4.7	4.4	0.2	1.3	0.0	4.6	4.4	4.4	4.6	4.4	4.4
128	RAINBOW 1	RB1		Gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129	RAINBOW 2	RB2		Gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130	RAINBOW 5	RB5		Gas	20.4	6.4	0.0	0.5	5.6	0.6	16.3	2.5	0.0	8.3	5.0	0.9
131	RAINBOW 3	RB3		Gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132	RAINBOW 4	RL1		Co-gen Gas	37.2	39.3	40.8	42.5	33.6	24.2	30.2	26.0	12.3	40.4	35.1	35.0
133	FORT NELSON	FNG1		Gas	11.1	1.4	0.0	0.7	3.5	3.6	21.9	6.3	2.4	8.3	2.3	1.8
134	STURGEON 1	ST1		Gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135	STURGEON 2	ST2		Gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
136	ATCO VALLEY VIEW 2	VVW2		Gas	0.0	0.0	0.0	0.1	0.9	0.0	3.4	0.1	0.0	1.4	0.1	0.0
137	FORTIS GENALTA CARSON CREEK GENERATOR	0000065911		Gas	0.8	0.1	0.0	0.0	0.4	0.0	1.9	0.2	0.0	0.2	0.0	0.0
138	DRYWOOD 1	DRW1		Gas	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.0	0.0
139	ENMAX CROSSFIELD ENERGY CENTER	CRS3		Gas	17.6	2.8	0.0	2.1	6.0	1.0	26.2	4.1	0.0	10.8	4.5	0.2
140	ENMAX CROSSFIELD ENERGY CENTER	CRS1		Gas	15.5	3.1	0.0	10.9	6.4	0.7	25.5	3.6	0.0	8.9	3.4	0.1
141	ENMAX CROSSFIELD ENERGY CENTER	CRS2		Gas	15.7	2.6	0.0	11.1	6.6	0.9	23.1	3.4	0.0	9.3	3.3	0.1
142	NRGREEN WINDFALL POWER GENERATING STATION	NRG3		Gas	3.2	4.0	6.4	0.0	0.0	0.0	0.0	0.0	0.1	2.8	1.7	1.6
143	FORTIS ANC (ALBERTA NEWSPRINT COMPANY) - GEN	ANC1		Gas	7.5	0.3	0.0	0.5	0.5	0.0	10.9	0.5	0.0	2.3	0.4	0.0
144	CLOVER BAR 1	ENC1		Gas	24.7	4.5	0.0	0.0	1.7	0.0	23.3	3.3	0.0	8.1	4.6	0.6

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145	CLOVER BAR 2	ENC2	1	Gas	33.6	11.5	0.0	2.3	9.3	0.0	46.9	11.9	0.0	16.5	7.2	1.1
146	CLOVER BAR 3	ENC3	1	Gas	63.5	14.4	0.0	0.0	9.1	0.0	54.6	10.5	0.0	6.2	7.5	1.1
147	TRANSCANADA BEAR CREEK GENERATOR	BCRK	2	Co-Cycle	3.8	3.4	10.3	0.1	2.0	0.0	35.1	18.7	11.9	6.2	5.9	2.2
148	ENMAX SHEPARD ENERGY CENTRE	EGC1	2	Co-Cycle	10.9	19.6	14.5	36.1	99.5	75.1	151.4	37.9	0.0	0.0	2.9	0.3
149	CAVAILIER	EC01	2	Co-Cycle	36.1	19.7	2.1	19.7	21.2	13.4	44.9	19.3	2.7	38.9	23.0	9.2
150	CITY OF MEDICINE HAT	CMH1	2	Gas	6.6	2.7	0.8	1.8	2.3	1.6	9.7	3.8	1.4	6.0	2.9	1.6
151	BALZAC	NX01	2	Co-Cycle	43.4	27.1	10.9	9.6	17.0	9.4	46.0	19.2	6.2	35.5	10.5	3.9
152	DOW GTG	DOWGEN15M	2	Co-gen	13.8	7.8	1.7	5.3	3.8	1.4	11.1	4.7	1.2	10.1	6.0	1.9
153	ENMAX CALGARY ENERGY CENTRE CTG	CES1	2	Co-Cycle	68.4	39.5	16.9	39.8	43.0	38.4	71.8	26.6	9.6	53.9	21.9	8.0
154	ENMAX CALGARY ENERGY CENTRE STG	CES2	2	Co-Cycle	37.6	22.5	10.8	20.7	24.7	23.5	51.1	17.1	6.4	30.2	13.3	4.9
155	DIASHOWA	DAI1	2	Co-gen	1.0	0.8	0.8	0.7	0.7	0.6	1.3	0.8	0.4	0.9	0.8	0.8
156	FORTISALBERTA AL-PAC PULP MILL	AFG1TX	2	Gas	2.4	1.0	0.5	1.3	1.6	1.6	6.1	3.7	3.0	2.0	1.3	1.3
157	NOVA JOFFRE	NOVAGEN15M	2	Co-gen	26.4	18.3	11.8	18.2	16.0	13.9	23.8	16.4	11.3	15.7	8.6	6.8
158	MUSTUS ENERGY BIOMASS GENERATOR	Project803_1_SUP		Biomass	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.5	41.5	41.5
159	CLOVER BAR 2	ENC2	2	Gas	13.6	4.6	0.0	1.0	3.8	0.0	19.0	4.8	0.0	6.7	2.9	0.5
160	CLOVER BAR 3	ENC3	2	Gas	8.3	1.9	0.0	0.0	1.2	0.0	7.2	1.4	0.0	0.8	1.0	0.1
161	NORTHERN PRAIRIE POWER PROJECT	NPP1	2	Gas	20.0	4.6	2.2	6.0	4.8	2.2	22.0	5.7	2.2	11.1	7.4	4.3
162	POPLAR HILL	PH1	2	Gas	1.2	0.4	0.2	0.2	3.8	1.1	6.0	0.7	0.3	0.4	0.2	0.3
163	VALLEYVIEW	VVW1	2	Gas	0.0	0.0	0.0	0.1	3.1	0.3	8.2	0.5	0.0	0.5	0.4	0.1
164	ATCO GENALTA CADOTTE GENERATOR INCREASE	321S009N		Gas	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
165	FORTIS STS INCREASE NEPL RALSTON DG	0000089511		Gas	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
166	FORTIS GENALTA BELLSHILL DG	0000013711		Gas	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
167	FORTIS BLUE EARTH INC./JBS D.G.	Project1550_1_GN		Gas	0.0	0.0	0.0	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
168	CENOVUS SUNDAY CREEK BTF	Project1245_1_GN		Gas	0.0	0.0	0.0	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
169	WHITETAIL PEAKING STATION	Project1290_1_GN		Gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	104.8	104.8	104.8