

September 30, 2013

Dear Loss Factor Stakeholders,

Re: **Updates to 2013 Loss Factors Generic Stacking Order (GSO) Due to Updated Project Information Received by September 17, 2013**

Supplementary to the [Changes to 2013 Loss Factors Due to Updated Project Information by September 17, 2013](#) document, the AESO is providing additional information regarding adjustments to the 2013 Loss Factors Generic Stacking Order (GSO). The updated 2013 GSO values for the affected facilities are shown in Appendix 1 with the updates highlighted. This document is a full replacement for [Updates to 2013 Loss Factors Generic Stacking Order \(GSO\) Due to Updated Project Information Received by June 10, 2013](#) (posted on June 27, 2013).

If you have any questions, please contact lossfactor@aeso.ca.

Yours truly,

Originally signed by

Dan Shield,
Director, Engineering



Appendix 1: Updates to 2013 Loss Factors Generic Stacking Order (GSO) Due to Updated Project Information Received by September 17, 2013

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	1.0	5.9	6.2	8.7	3.4	1.9	1.2	2.5	0.0	0.7	2.7	4.4
2	VALLEYVIEW	VVW1	1	Gas	0.0	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
3	BEAR CREEK G1	BCRK	1	Co-Cycle	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.7
4	TABER WIND	TAB1		Wind	17.0	38.8	56.9	34.9	28.6	26.1	8.1	17.7	23.1	38.7	30.5	34.9
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	SUNCOR HILLRIDGE WIND FARM	SCR3		Wind	7.2	16.5	21.8	16.9	12.2	11.7	4.1	8.8	13.1	16.7	13.9	15.2
7	Enel Alberta Castle Rock Wind Farm	CRR1		Wind	34.3	34.3	34.3	26.2	26.2	26.2	19.5	19.5	19.5	29.0	29.0	29.0
8	SUNCOR MAGRATH	SCR2		Wind	6.1	16.2	19.8	19.6	11.7	11.1	7.2	8.3	10.8	16.2	13.6	12.7
9	MCBRIDE	AKE1		Wind	13.4	39.3	41.4	43.0	25.9	20.7	20.9	20.1	25.0	34.6	32.6	28.9
10	GLENWOOD	0000022911		Wind, DG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	0.0	0.1	0.1
11	PINCHER CREEK	0000039611		Wind, DG	0.3	1.4	2.7	0.4	1.2	1.1	1.1	1.2	2.0	1.2	1.3	1.4
12	CASTLE RIVER	CR1		Wind	6.4	19.5	23.8	10.4	13.7	7.9	11.5	9.8	9.8	16.5	16.4	13.1
13	KETTLES HILL WIND ENERGY PHASE 2	KHW1		Wind	12.9	34.2	34.3	24.2	23.4	17.8	21.8	19.7	24.3	33.4	30.1	24.9
14	BLUE TRAIL WIND FARM	BTR1		Wind	10.1	29.6	29.0	35.7	21.1	16.5	15.5	17.7	23.5	30.1	27.0	24.8
15	SODERGLEN	GWW1		Wind	12.4	35.7	39.8	39.0	26.4	24.9	20.5	22.6	26.7	38.2	33.2	29.7
16	TRANSALTA ARDENVILLE WIND FARM	ARD1		Wind	9.0	30.2	24.1	36.0	22.1	21.9	16.9	19.4	28.0	29.7	27.3	25.9
17	SUMMERVIEW 1	IEW1		Wind	9.9	30.3	33.8	21.9	21.9	15.3	19.0	16.6	20.1	34.8	28.7	22.8
18	SUMMERVIEW 2	IEW2		Wind	10.5	30.0	34.5	26.2	20.2	12.0	19.3	14.3	17.2	31.0	25.5	19.6
19	GHOST PINE WIND FARM	NEP1		Wind	20.3	32.2	42.4	27.9	26.6	27.9	6.8	17.2	22.1	34.7	23.4	22.5
20	COWLEY EXPANSION 1	CRE1		Wind	0.1	0.2	0.2	0.0	0.1	0.1	0.0	0.1	0.2	0.1	0.1	0.1
21	COWLEY EXPANSION 2	CRE2		Wind	0.1	0.4	0.4	0.1	0.1	0.1	0.0	0.1	0.2	0.3	0.2	0.1
22	COWLEY NORTH	CRE3		Wind	3.6	8.3	11.2	5.4	5.8	3.9	5.6	5.1	4.9	8.1	7.6	6.4
23	COWLEY RIDGE WIND POWER PHASE1	PKNE		Wind	0.6	1.7	2.0	0.4	1.0	0.7	0.0	0.8	1.9	0.8	0.5	0.4
24	COWLEY RIDGE WIND POWER PHASE2	CRWD		Wind	0.3	0.6	0.9	0.0	0.3	0.3	0.0	0.6	1.6	0.5	0.3	0.2

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25	SUNCOR WINTERING HILLS WIND ENERGY PROJECT	SCR4		Wind	20.5	41.3	56.0	36.8	37.2	40.0	22.5	22.5	22.5	8.2	2.4	0.7
26	CAPITAL POWER HALKIRK WIND PROJECT	HAL1		Wind	67.5	67.5	67.5	51.6	51.6	51.6	38.4	38.4	38.4	57.2	57.2	57.2
27	WESGEN	WST1		Bio-mass	14.8	14.8	16.1	13.0	12.1	12.3	8.1	12.0	13.9	13.2	14.4	14.3
28	WHITE COURT	EAGL		Bio-mass	24.6	24.5	24.3	24.2	22.2	22.2	24.6	24.4	24.4	24.1	22.6	23.3
29	BRIDGE CREEK	GOC1		Gas-decomp	2.5	2.4	3.0	2.7	0.6	0.4	2.0	2.1	1.5	3.3	2.6	2.5
30	DRAYTON VALLEY PL IPP	DV1		Bio-mass	8.2	8.1	8.1	7.8	8.4	8.5	4.8	6.5	6.9	8.8	7.5	7.0
31	CHIN CHUTE	CHIN		Hydro	0.0	0.0	0.0	0.0	3.7	7.5	0.0	0.0	0.0	0.0	0.0	0.0
32	RAYMOND RESERVOIR	RYMD		Hydro	0.0	0.0	0.0	0.0	4.6	10.6	0.0	0.0	0.0	0.0	0.0	0.0
33	NORTHSTONE ELMWORTH	NPC1		Co-gen	1.4	0.1	0.0	0.0	0.1	0.0	2.1	0.4	0.0	0.4	0.3	0.0
34	GRANDE PRAIRIE ECOPOWER CENTRE	GPEC		Co-gen	7.5	9.6	12.8	1.2	8.5	11.4	6.9	9.4	12.4	9.8	10.7	12.0
35	BEAR CREEK G2	BCR2	1	Co-Cycle	15.0	13.2	11.7	16.3	7.8	2.5	25.4	16.9	14.9	17.0	16.3	13.8
36	P&G WEYERHAUSER	WEY1		Co-gen	0.0	0.3	1.1	0.0	0.2	0.1	0.5	0.5	0.5	0.3	0.2	0.2
37	DIASHOWA	DAI1		Co-gen	3.0	4.7	3.0	8.6	9.8	8.6	4.2	1.7	2.0	3.1	2.3	1.7
38	HARMATTAN GAS PLANT DG	0000025611		Gas	6.0	6.2	6.4	6.0	6.5	7.3	6.0	6.2	7.0	6.0	6.2	6.5
39	SHELL CAROLINE	SHCG		Co-gen	2.5	3.9	4.0	5.2	4.0	2.2	0.0	1.3	2.3	4.2	2.6	3.0
40	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
41	BALZAC	NX01	1	Co-Cycle	69.3	50.6	26.3	63.5	46.4	21.5	59.3	29.0	3.2	38.0	41.5	26.2
42	CARSELAND	TC01	1	Co-gen	73.8	62.0	61.9	58.7	58.6	62.3	62.9	54.0	61.4	68.5	59.2	57.7
43	FORTISALBERTA AL-PAC PULP MILL	AFG1TX	1	Gas	15.3	8.5	8.0	13.1	10.0	5.2	20.2	8.3	2.8	15.0	10.8	8.6
44	CAVAILIER	EC01	1	Co-Cycle	51.5	37.9	17.8	51.9	39.7	24.9	47.9	21.6	2.5	41.5	35.7	18.6
45	CITY OF MEDICINE HAT	CMH1	1	Gas	42.9	16.1	4.0	24.5	14.9	6.2	30.8	13.5	1.8	27.7	20.8	5.5
46	NOVA JOFFRE	NOVAGEN15M	1	Co-gen	142.0	96.2	41.3	114.9	86.7	80.5	131.8	81.3	50.7	138.6	102.4	82.5
47	PRIMROSE	PR1		Co-gen	9.7	6.6	7.2	0.0	0.8	1.9	2.5	5.7	12.4	0.6	9.3	11.3
48	SHELL SCOTTFORD	SCTG		Co-gen	1.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0
49	CNRL HORIZON	CNR5		Co-gen	2.6	7.7	4.3	24.2	5.7	3.2	2.4	11.4	17.3	0.9	2.9	3.1
50	MCKAY RIVER	MKRC		Co-gen	167.6	159.5	157.3	150.8	142.2	145.9	139.3	140.8	144.3	147.0	130.0	127.9
51	REDWATER	TC02	1	Co-gen	21.0	18.6	19.6	15.4	13.2	13.7	20.7	23.0	23.6	26.1	21.5	21.8
52	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
53	MUSKEG	MKR1	1	Co-gen	68.4	39.1	19.5	19.3	19.8	18.2	24.8	17.8	16.1	40.5	21.0	12.2
54	SYNCRUDE	SCL1		Co-gen	42.5	37.4	35.4	27.7	32.8	26.7	5.6	7.6	19.3	44.7	28.2	28.5
55	DOW GTG	DOWGEN15M	1	Co-gen	87.2	65.8	37.6	78.7	73.2	60.4	54.7	46.4	52.9	75.8	45.6	33.6
56	FOSTER CREEK G1	EC04		Co-gen	38.2	32.0	34.1	29.5	25.3	16.6	14.5	22.7	22.2	29.0	22.8	25.1
57	MEG ENERGY	MEG1	1	Co-gen	82.0	71.5	70.1	74.3	65.0	68.4	63.5	64.6	69.6	73.0	51.8	54.5
58	SUNCOR MILLENIUM	SCR1	1	Co-gen	293.7	303.3	285.6	358.2	339.8	298.3	242.4	245.6	278.8	331.2	268.4	261.4
59	NEXEN OPTI	NX02		Co-gen	25.7	37.2	37.8	32.8	24.1	26.7	13.1	20.8	78.8	36.7	34.2	34.3
60	MAHKESES COLD LAKE	IOR1		Co-gen	48.2	41.1	38.2	34.8	29.6	34.7	24.8	23.3	15.1	40.0	36.4	37.2
61	ENMAX CALGARY ENERGY CENTRE CTG	CES1	1	Co-Cycle	41.4	25.1	5.3	33.7	20.5	17.3	49.6	22.4	1.5	42.0	30.3	16.4

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62	ENMAX CALGARY ENERGY CENTRE STG	CES2	1	Co-Cycle	24.5	15.7	3.4	19.6	13.1	11.5	35.4	14.6	1.0	26.8	19.6	10.7
63	CASCADE	CAS	1	Hydro	9.1	8.3	0.8	18.0	9.3	0.3	17.5	7.6	1.2	11.6	9.4	2.5
64	RUNDLE	RUN	1	Hydro	12.3	9.2	6.2	13.9	10.2	7.4	0.0	0.0	0.0	10.3	9.9	5.7
65	THREE SISTERS	THS		Hydro	0.9	0.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.9	0.5
66	SPRAY	SPR	1	Hydro	36.0	27.0	17.8	43.0	29.8	21.2	0.0	0.0	0.0	30.6	29.1	16.9
67	GHOST	GHO	1	Hydro	23.4	13.3	2.9	21.2	19.6	7.6	40.0	42.7	48.8	22.6	23.7	9.7
68	HORSESHOE	HSH	1	Hydro	7.6	7.1	6.8	8.7	9.0	10.7	14.4	14.1	14.2	7.3	9.5	9.2
69	BARRIER	BAR	1	Hydro	7.5	4.2	2.1	6.1	5.6	3.0	10.8	7.0	9.7	4.1	5.5	1.3
70	KANANASKIS	KAN	1	Hydro	7.3	6.6	5.5	9.7	9.4	11.3	17.4	16.6	17.1	8.4	10.4	9.1
71	STIRLING	0000006711		Hydro, DG	0.0	0.0	0.0	0.0	0.1	0.8	0.0	0.1	0.0	0.0	0.1	0.4
72	BEARSPAW	BPW	1	Hydro	5.3	5.9	5.8	6.6	8.2	11.0	13.3	13.6	13.6	4.8	7.8	8.2
73	POCATERRA	POC		Hydro	9.6	4.6	0.0	10.8	4.1	0.0	10.7	2.1	0.0	7.8	4.5	0.3
74	INTERLAKES	INT		Hydro	3.3	1.8	0.0	2.8	0.8	0.0	3.3	0.7	0.0	1.4	1.2	0.6
75	SPRING COULEE	0000038511		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
76	TAYLOR HYDRO	TAY1		Hydro	0.0	0.0	0.0	0.0	3.7	8.6	12.4	9.4	3.4	0.7	4.7	5.7
77	BIGHORN	BIG	1	Hydro	64.9	44.0	30.0	50.5	47.6	25.9	57.7	45.4	26.1	56.2	44.8	33.3
78	BRAZEAU	BRA	1	Hydro	79.0	28.4	5.1	45.5	29.3	5.4	144.4	115.8	86.2	45.8	32.0	8.9
79	OLDMAN	OMRH		Hydro	2.5	2.2	2.3	2.4	12.4	23.7	24.5	27.4	30.2	4.9	10.0	11.1
80	HR MILNER	HRM	1	Coal	84.1	71.1	52.0	100.1	48.1	14.6	108.6	59.8	15.7	102.5	88.8	66.8
81	SUNDANCE #3	SD3	1	Coal	289.6	276.6	279.4	279.8	253.5	207.1	279.6	254.0	226.2	265.1	256.6	250.7
82	SUNDANCE #4	SD4	1	Coal	308.1	269.9	239.5	274.4	241.7	206.9	262.2	237.2	221.5	298.3	269.3	255.7
83	SUNDANCE #5	SD5	1	Coal	315.0	259.7	264.4	278.1	241.2	208.7	326.3	259.7	248.8	266.3	263.2	275.3
84	SUNDANCE #6	SD6	1	Coal	362.6	349.7	359.3	284.2	350.2	359.2	215.9	279.2	296.6	227.1	129.9	109.9
85	BATTLE RIVER #5	BR5	1	Coal	246.0	232.4	196.6	231.0	102.2	49.2	209.2	205.5	164.9	235.0	240.0	218.7
86	KEEPHILLS #3	KH3	1	Coal	328.9	323.7	342.6	248.3	321.3	320.7	184.8	158.0	98.6	324.0	329.0	334.5
87	GENESEE 1	GN1	1	Coal	223.7	222.7	219.3	215.3	205.0	205.7	223.8	219.0	184.8	224.1	223.3	219.3
88	GENESEE 2	GN2	1	Coal	224.1	220.4	218.8	224.4	210.3	178.4	223.9	219.2	184.2	223.5	223.4	219.0
89	GENESEE 3	GN3	1	Coal	201.0	155.9	51.3	305.2	285.0	265.4	303.6	297.6	272.6	56.2	248.8	263.6
90	BATTLE RIVER #3	BR3	1	Coal	102.5	94.8	72.3	98.3	89.1	69.3	100.1	73.9	16.4	87.6	96.6	84.6
91	BATTLE RIVER #4	BR4	1	Coal	103.1	95.4	77.2	101.8	87.5	66.5	77.9	81.0	71.7	86.4	64.2	52.5
92	KEEPHILLS #1	KH1	1	Coal	280.7	311.0	310.9	252.3	95.5	123.1	316.0	319.5	311.7	336.7	325.5	313.4
93	KEEPHILLS #2	KH2	1	Coal	308.7	162.2	249.7	77.2	283.3	275.9	312.8	313.7	302.4	316.4	298.6	278.6
94	SHEERNESS #1	SH1	1	Coal	200.2	190.7	171.4	189.2	143.2	68.0	204.3	176.4	86.5	198.0	195.7	184.1
95	SHEERNESS #2	SH2	1	Coal	176.3	169.9	157.7	163.8	127.2	73.4	176.7	150.8	78.8	171.4	123.8	112.9
96	GENESEE 1	GN1	2	Coal	180.9	180.1	177.4	174.1	165.8	166.3	181.0	177.1	149.4	181.2	180.6	177.4
97	GENESEE 2	GN2	2	Coal	181.3	178.3	177.0	181.5	170.1	144.3	181.1	177.3	149.0	180.8	180.7	177.1
98	KEEPHILLS #3	KH3	2	Coal	102.7	101.1	107.0	77.5	100.3	100.1	57.7	49.3	30.8	101.2	102.7	104.5

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99	KEEPHILLS #1	KH1	2	Coal	30.8	34.2	34.2	27.7	10.5	13.5	34.7	35.1	34.2	37.0	35.8	34.4
100	KEEPHILLS #2	KH2	2	Coal	45.1	23.7	36.5	11.3	41.4	40.4	45.7	45.9	44.2	46.3	43.7	40.7
101	BATTLE RIVER #5	BR5	2	Coal	129.1	122.0	103.2	121.2	53.7	25.8	109.8	107.9	86.5	123.4	126.0	114.8
102	GENESEE 3	GN3	2	Coal	103.6	80.4	26.5	157.4	146.9	136.9	156.5	153.4	140.6	29.0	128.3	135.9
103	BATTLE RIVER #3	BR3	2	Coal	44.6	41.3	31.5	42.8	38.8	30.2	43.6	32.2	7.2	38.1	42.0	36.8
104	BATTLE RIVER #4	BR4	2	Coal	51.1	47.3	38.2	50.4	43.3	33.0	38.6	40.2	35.5	42.8	31.8	26.0
105	SUNDANCE #5	SD5	2	Coal	52.2	43.1	43.8	46.1	40.0	34.6	54.1	43.1	41.3	44.2	43.6	45.7
106	SHEERNESS #2	SH2	2	Coal	175.4	169.1	157.0	163.0	126.6	73.0	175.8	150.1	78.4	170.6	123.2	112.3
107	SUNDANCE #6	SD6	2	Coal	12.0	11.6	11.9	9.4	11.6	11.9	7.2	9.3	9.8	7.5	4.3	3.6
108	SHEERNESS #1	SH1	2	Coal	150.4	143.2	128.7	142.1	107.5	51.1	153.4	132.4	64.9	148.6	146.9	138.2
109	HR MILNER	HRM	2	Coal	20.0	17.0	12.4	23.9	11.5	3.5	25.9	14.2	3.7	24.4	21.2	15.9
110	SUNDANCE #4	SD4	2	Coal	50.4	44.1	39.2	44.9	39.5	33.8	42.9	38.8	36.2	48.8	44.0	41.8
111	SUNDANCE #3	SD3	2	Coal	30.8	29.5	29.8	29.8	27.0	22.1	29.8	27.1	24.1	28.2	27.3	26.7
112	BATTLE RIVER #5 STS INCREASE	BR5		Coal	0.0	0.0	0.0	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
113	KEEPHILLS #3 UPRATE	KH3		Coal	0.0	0.0	0.0	0.0	0.0	0.0	10.6	10.6	10.6	10.6	10.6	10.6
114	SUNDANCE #1	SD1	1	Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	211.8	211.8	211.8
115	SUNDANCE #2	SD2	1	Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	211.8	211.8	211.8
116	BIGHORN	BIG	2	Hydro	0.7	0.5	0.3	0.5	0.5	0.3	0.6	0.5	0.3	0.6	0.5	0.3
117	BRAZEAU	BRA	2	Hydro	3.7	1.3	0.2	2.1	1.4	0.3	6.8	5.4	4.0	2.2	1.5	0.4
118	CASCADE	CAS	2	Hydro	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119	RUNDLE	RUN	2	Hydro	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120	SPRAY	SPR	2	Hydro	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121	GHOST	GHO	2	Hydro	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122	HORSESHOE	HSH	2	Hydro	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123	BARRIER	BAR	2	Hydro	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124	KANANASKIS	KAN	2	Hydro	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125	BEARSPAW	BPW	2	Hydro	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126	CHIN CHUTE	CHIN		Hydro	0.0	0.0	0.0	0.0	0.0	0.0	7.6	6.6	4.3	0.6	4.4	5.2
127	RAYMOND RESERVOIR	RYMD		Hydro	0.0	0.0	0.0	0.0	0.0	0.0	15.1	11.9	4.8	0.8	6.0	7.1
128	SPRAY 2 - GSU REPLACEMENT	SPR		Hydro	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.5	5.5
129	BC IMPORT	BCHIMP		Import	456.0	244.6	0.0	453.4	424.8	450.1	422.6	355.2	341.8	414.9	363.9	106.9
130	SASKATCHEWAN IMPORT	SPCIMP		Import	61.7	52.8	18.2	61.2	48.4	18.8	58.5	11.2	0.0	94.2	86.4	65.7
131	MONTANA TIE LINE	MATLIMP		Import	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	171.8	65.7	25.9
132	NORTHERN PRAIRIE POWER PROJECT	NPP1	1	Gas	48.0	14.8	1.2	25.7	8.7	0.4	43.0	8.9	0.0	36.0	24.5	2.2
133	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
134	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
135	ATCO VALLEY VIEW 2	VVW2		Gas	3.3	0.2	0.0	1.2	0.2	0.0	1.8	0.4	0.1	3.0	1.1	0.4

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136	ENMAX CROSSFIELD ENERGY CENTER	CRS2	1	Gas	7.7	1.1	0.0	0.7	1.2	0.0	7.1	1.5	0.0	4.6	4.7	0.7
137	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
138	RAINBOW 4	RL1	1	Co-gen Gas	40.4	37.7	37.7	36.6	36.7	38.8	33.0	31.5	32.5	31.1	31.9	30.1
139	RAINBOW 5	RB5	1	Gas	29.6	18.8	13.2	6.7	11.1	0.2	23.3	23.0	18.3	26.2	18.2	15.8
140	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
141	RAINBOW 2	RB2		Gas	9.1	4.4	0.6	14.2	1.2	0.0	10.7	9.9	6.8	12.3	4.3	3.1
142	DRYWOOD 1	DRW1		Gas	1.4	0.2	0.0	0.6	0.1	0.0	2.9	0.3	0.0	0.6	0.6	0.0
143	CLOVER BAR 1	ENC1		Gas	11.2	1.3	0.0	0.0	6.6	0.0	10.1	2.9	0.0	23.0	5.4	0.7
144	ENMAX CROSSFIELD ENERGY CENTER	CRS3	1	Gas	14.4	3.8	0.0	8.5	3.9	0.0	11.7	2.5	0.0	8.9	7.4	1.1
145	ENMAX CROSSFIELD ENERGY CENTER	CRS1	1	Gas	12.6	3.2	0.0	6.9	3.0	0.0	9.9	2.7	0.0	8.0	7.2	1.1
146	FORT NELSON	FNG1	1	Gas	23.6	28.3	28.9	13.6	6.5	1.1	20.6	21.3	25.0	25.0	31.0	31.1
147	CLOVER BAR 2	ENC2	1	Gas	24.8	8.1	0.0	8.6	17.9	3.3	22.8	8.8	0.0	35.2	12.8	2.7
148	CLOVER BAR 3	ENC3	1	Gas	13.8	6.5	0.0	10.3	14.4	1.0	20.9	7.2	0.0	42.4	11.6	3.1
149	ENMAX CALGARY ENERGY CENTRE CTG	CES1	2	Co-Cycle	81.9	49.7	10.4	66.7	40.5	34.3	98.2	44.3	3.0	83.2	60.0	32.4
150	ENMAX CALGARY ENERGY CENTRE STG	CES2	2	Co-Cycle	48.5	31.1	6.8	38.8	25.8	22.9	70.1	28.8	2.0	53.0	38.7	21.1
151	CAVAILIER	EC01	2	Co-Cycle	47.3	34.8	16.4	47.7	36.5	22.9	44.1	19.9	2.3	38.2	32.8	17.1
152	BALZAC	NX01	2	Co-Cycle	38.4	28.0	14.6	35.2	25.7	11.9	32.9	16.1	1.8	21.1	23.0	14.5
153	DOW GTG	DOWGEN15M	2	Co-gen	15.4	11.6	6.6	13.9	12.9	10.6	9.6	8.2	9.3	13.4	8.0	5.9
154	CITY OF MEDICINE HAT	CMH1	2	Gas	16.8	6.3	1.6	9.6	5.8	2.4	12.1	5.3	0.7	10.9	8.1	2.2
155	MUSKEG	MKR1	2	Co-gen	6.5	3.7	1.9	1.8	1.9	1.7	2.4	1.7	1.5	3.9	2.0	1.2
156	SUNCOR MILLENIUM	SCR1	2	Co-gen	10.2	10.5	9.9	12.4	11.8	10.3	8.4	8.5	9.6	11.5	9.3	9.0
157	REDWATER	TC02	2	Co-gen	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
158	CARSELAND	TC01	2	Co-gen	1.0	0.9	0.9	0.8	0.8	0.9	0.9	0.8	0.9	1.0	0.8	0.8
159	NOVA JOFFRE	NOVAGEN15M	2	Co-gen	27.6	18.7	8.0	22.3	16.9	15.6	25.6	15.8	9.8	26.9	19.9	16.0
160	FORTISALBERTA AL-PAC PULP MILL	AFG1TX	2	Gas	1.7	1.0	0.9	1.5	1.1	0.6	2.3	0.9	0.3	1.7	1.2	1.0
161	ENMAX CALGARY ENERGY CENTRE STG UPGRADE	CES2	2	Co-Cycle	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	3.2	3.2	3.2
162	MEG Christina Lake SAGD/Cogen 2 Plant	MEG1	2	Co-gen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.5	64.5	64.5
163	ENMAX CROSSFIELD ENERGY CENTER	CRS2	2	Gas	24.3	3.4	0.0	2.4	3.7	0.0	22.6	4.8	0.0	14.4	15.0	2.3
164	ENMAX CROSSFIELD ENERGY CENTER	CRS1	2	Gas	19.4	5.0	0.0	10.6	4.6	0.0	15.3	4.1	0.0	12.2	11.1	1.7
165	ENMAX CROSSFIELD ENERGY CENTER	CRS3	2	Gas	22.2	5.9	0.0	13.1	6.0	0.0	18.0	3.8	0.0	13.7	11.4	1.8
166	FORT NELSON	FNG1	2	Gas	8.7	10.4	10.7	5.0	2.4	0.4	7.6	7.9	9.2	9.2	11.5	11.5
167	NORTHERN PRAIRIE POWER PROJECT	NPP1	2	Gas	26.3	8.1	0.7	14.1	4.8	0.2	23.6	4.9	0.0	19.8	13.4	1.2
168	CLOVER BAR 2	ENC2	2	Gas	25.4	8.2	0.0	8.8	18.3	3.3	23.3	9.0	0.0	36.0	13.1	2.7
169	CLOVER BAR 3	ENC3	2	Gas	12.7	5.9	0.0	9.5	13.2	0.9	19.1	6.6	0.0	38.9	10.7	2.9
170	RAINBOW 5	RB5	2	Gas	9.3	5.9	4.1	2.1	3.5	0.1	7.3	7.2	5.7	8.2	5.7	5.0
171	RAINBOW 4	RL1	2	Co-gen Gas	1.6	1.5	1.5	1.4	1.4	1.5	1.3	1.2	1.3	1.2	1.2	1.2
172	BEAR CREEK G1	BCRK	2	Co-Cycle	30.3	7.9	0.0	10.5	2.3	0.0	36.7	7.1	0.3	19.9	12.6	2.9

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173	POPLAR HILL	PH1	2	Gas	11.5	1.0	0.6	3.6	1.4	0.2	5.2	0.5	0.0	3.2	1.2	0.3
174	VALLEYVIEW	VVW1	2	Gas	1.8	0.2	0.0	1.3	0.3	0.0	2.6	0.5	0.0	2.0	0.5	0.1
175	NRGreen Windfall Power Generating Station	NRG3		Gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.8	15.8	15.8
176	Fortis ANC (Alberta Newsprint Company) - Generation	BTF_NEWSRPT_GEN		Gas Turbine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0