

May 29, 2015

Dear Loss Factor Stakeholders,

Re: **Updates to 2015 Loss Factors Generic Stacking Order (GSO) Due to Updated Project Information Received by April 30, 2015**

Supplementary to [Changes to 2015 Loss Factors Due to Updated Project Information by April 30, 2015](#), please find the attached Updates to 2015 Loss Factors Generic Stacking Order (GSO) Due to Updated Project Information Received by April 30, 2015.

Yours truly,

*Original signed by*

John Kehler

Senior Technical Advisor

cc: Han Yu

# Prepared For:

## Alberta Electric System Operator

### Updated 2015 Loss Factors Generic Stacking Order

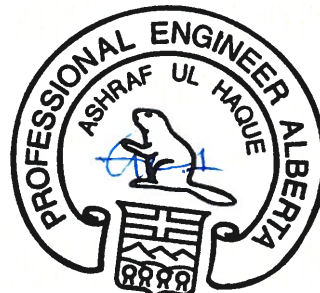
Prepared by:

Teshmont Consultants LP  
1190 Waverley Street  
Winnipeg, Manitoba, Canada R3T 0P4  
[www.teshmont.com](http://www.teshmont.com)



<b>PERMIT TO PRACTICE TESHMONT CONSULTANTS LP</b>
Signature <u>    <i>HB</i>    </u>
Date <u>    May 28, 2015    </u>
<b>PERMIT NUMBER: P 03012</b>
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

6065.002-100-001  
2015 May 28



*May 28, 2015*

## Appendix 1: Updates to 2015 Loss Factors Generic Stacking Order (GSO) Due to Updated Project Information Received by April 30, 2015

New GSO Number	Name	MP_ID	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	3.5	4.8	3.5	1.4	3.5	0.5	0.0	0.6	0.6	4.0	1.5	0.9
2	VALLEYVIEW	VVW1	1	Gas	0.0	0.2	0.0	0.0	0.7	0.0	0.0	0.1	0.0	2.6	0.0	0.0
3	TABER WIND	TAB1		Wind	15.1	27.3	47.9	7.7	22.0	27.0	10.0	14.4	15.6	25.1	25.3	29.3
4	SUNCOR HILLRIDGE WIND FARM	SCR3		Wind	7.2	11.4	18.4	2.3	9.6	11.1	3.5	5.6	7.5	12.1	10.5	12.5
5	FT MACLEOD	0000001511		Wind, DG	0.0	0.0	0.0	0.0	0.0	0.1	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	0.4	0.0	0.2	0.7	0.1	0.2	0.6
7	SUNCOR MAGRATH	SCR2		Wind	8.0	10.8	17.6	3.0	9.8	9.1	3.3	5.7	6.6	12.2	10.5	10.8
8	MCBRIDE	AKE1		Wind	27.6	30.8	45.9	5.0	23.4	17.9	9.6	12.0	15.0	30.5	26.8	26.8
9	CASTLE RIVER	CR1		Wind	13.5	16.2	22.4	2.6	10.8	5.9	9.6	5.2	6.0	15.7	13.2	11.6
10	PINCHER CREEK	0000039611		Wind, DG	0.1	0.8	2.2	0.1	0.9	0.6	0.7	0.6	1.0	0.7	1.4	1.9
11	ENEL ALBERTA CASTLE ROCK WIND FARM	CRR1		Wind	26.1	31.4	46.3	6.0	22.5	16.0	21.9	12.4	12.0	33.1	27.6	25.1
12	KETTLES HILL WIND ENERGY PHASE 2	KHW1		Wind	24.7	26.6	37.2	4.9	20.2	15.0	12.7	11.0	13.4	27.6	24.4	22.4
13	BLACKSPRING RIDGE I WIND PROJECT	BSR1		Wind	135.0	135.0	135.0	0.0	26.3	78.5	76.8	76.8	76.8	114.3	114.3	114.3
14	ALBERTA WIND ENERGY OLD MAN RIVER WIND FARM	OWF1		Wind	20.7	20.7	20.7	15.8	15.8	15.8	11.8	11.8	11.8	17.5	17.5	17.5
15	SUMMERVIEW 2	IEW2		Wind	24.0	21.9	33.8	3.1	17.1	10.6	10.9	7.5	7.5	23.4	19.5	17.2
16	SUMMERVIEW 1	IEW1		Wind	23.0	22.9	35.1	3.1	18.8	11.1	15.3	9.1	9.7	24.6	22.9	20.7
17	SODERGLEN	GWW1		Wind	27.0	29.8	41.2	6.8	24.2	20.7	9.2	13.9	15.6	25.4	25.8	26.7
18	BLUE TRAIL WIND FARM	BTR1		Wind	20.3	21.8	32.8	4.6	18.7	15.3	9.6	10.6	14.2	25.6	22.3	22.0
19	GHOST PINE WIND FARM	NEP1		Wind	24.8	27.6	43.4	14.5	18.6	18.8	8.5	17.2	24.0	20.2	22.7	22.0
20	TRANSALTA ARDENVILLE WIND FARM	ARD1		Wind	27.4	23.7	37.2	5.1	19.9	19.5	7.1	11.4	18.1	27.1	23.1	24.6
21	COWLEY EXPANSION 1	CRE1		Wind	0.0	0.0	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.3	0.2	0.1
22	COWLEY EXPANSION 2	CRE2		Wind	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.2	0.1	0.1
23	COWLEY NORTH	CRE3		Wind	4.4	6.0	9.1	1.0	4.5	3.0	4.4	2.3	2.0	6.7	5.7	5.1

New GSO Number	Name	MP_ID	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)
24	COWLEY RIDGE WIND POWER PHASE1	PKNE		Wind	0.6	0.8	1.0	0.4	1.6	1.1	2.0	0.9	0.8	2.5	2.0	1.8
25	COWLEY RIDGE WIND POWER PHASE2	CRWD		Wind	0.8	1.1	1.5	0.5	1.8	1.3	2.0	0.9	0.7	2.6	2.0	1.8
26	SUNCOR WINTERING HILLS WIND ENERGY PROJECT	SCR4		Wind	48.3	40.5	52.7	18.3	26.9	30.5	16.5	24.8	28.8	35.6	33.2	33.1
27	CAPITAL POWER HALKIRK WIND PROJECT	HAL1		Wind	48.1	65.8	98.0	26.4	44.6	36.6	21.2	32.6	54.1	51.7	58.7	61.3
28	WESGEN	WST1		Bio-mass	14.2	12.6	12.6	6.3	11.7	13.4	10.4	12.5	14.5	14.9	13.4	13.1
29	WHITE COURT	EAGL		Bio-mass	23.8	23.6	23.0	22.9	21.1	22.1	24.2	23.6	22.3	23.7	22.4	21.7
30	NORTHSTONE ELMWORTH	NPC1		Co-gen	4.4	4.4	4.4	5.0	4.6	4.4	5.1	4.4	4.4	4.5	4.5	4.4
31	GRANDE PRAIRIE ECOPOWER CENTRE	GPEC		Co-gen	7.9	7.5	9.2	7.9	7.6	6.5	7.5	8.4	10.8	7.3	7.3	7.7
32	P&G WEYERHAUSER	WEY1		Co-gen	0.4	0.8	0.6	0.3	0.6	0.5	0.6	0.6	0.4	0.9	1.3	0.8
33	BEAR CREEK G2	BCR2		Co-Cycle	19.2	16.7	15.4	15.7	12.0	16.7	21.0	19.4	17.1	17.7	17.3	17.1
34	DIASHOWA	DAI1	1	Co-gen	14.2	11.1	9.8	10.3	8.8	8.1	19.0	11.7	8.4	12.6	12.4	10.2
35	CARSELAND	TC01		Co-gen	71.2	63.1	61.9	62.5	56.0	52.5	54.6	52.3	43.2	57.8	47.2	44.2
36	FORTISALBERTA AL-PAC PULP MILL	AFG1TX	1	Gas	16.9	8.2	5.1	4.2	6.5	9.8	18.5	12.6	10.6	5.7	8.1	6.8
37	BALZAC	NX01	1	Co-Cycle	53.7	32.0	12.7	34.6	13.1	10.5	46.3	31.1	10.8	32.7	32.5	22.0
38	HARMATTAN GAS PLANT DG	0000025611		Gas	1.1	1.1	0.9	1.5	1.9	2.4	3.6	5.6	4.4	2.0	3.2	4.8
39	ENMAX CALGARY ENERGY CENTRE CTG	CES1	1	Co-Cycle	121.5	76.9	38.0	91.5	43.6	15.9	95.1	60.4	53.7	32.5	38.3	28.4
40	ENMAX CALGARY ENERGY CENTRE STG	CES2	1	Co-Cycle	76.3	42.2	23.5	49.1	26.4	10.3	66.3	38.3	34.9	18.0	23.7	18.2
41	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
42	SHELL CAROLINE	SHCG		Co-gen	0.0	0.3	0.5	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	PRIMROSE	PR1		Co-gen	2.6	3.3	1.9	8.3	7.7	9.6	1.6	2.6	2.2	3.4	1.9	2.2
44	ENMAX SHEPARD ENERGY CENTRE	EGC1		Co-Cycle	250.0	250.0	250.0	800.0	200.0	0.0	800.0	200.0	0.0	800.0	200.0	0.0
45	NOVA JOFFRE	NOVAGEN15M	1	Co-gen	153.9	109.9	82.8	127.3	71.0	47.1	126.3	85.0	67.8	101.6	91.1	75.6
46	CITY OF MEDICINE HAT	CMH1	1	Gas	36.3	20.4	11.3	17.8	11.9	8.9	23.4	28.3	29.1	18.0	21.4	15.6
47	CAVAILIER	EC01	1	Co-Cycle	59.2	43.2	19.6	52.0	23.6	13.7	63.7	51.6	40.6	46.9	47.8	36.9
48	FOSTER CREEK G1	EC04		Co-gen	35.6	33.2	29.5	31.6	26.8	25.0	5.0	11.1	0.7	34.4	24.5	22.7
49	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

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50	MEG ENERGY	MEG1		Co-gen	144.7	149.2	142.4	152.5	132.1	131.2	118.6	122.2	122.9	106.5	83.2	74.2
51	REDWATER	TC02		Co-gen	12.2	11.4	12.7	9.6	9.3	7.5	9.4	12.7	16.0	12.6	11.5	10.7
52	NEXEN OPTI	NX02		Co-gen	31.6	42.9	46.7	21.7	28.8	22.8	29.3	28.7	26.3	43.1	33.1	32.5
53	CNRL HORIZON	CNR5		Co-gen	0.0	0.0	0.2	0.0	0.0	0.1	0.5	0.7	0.6	0.0	0.5	0.6
54	SHELL SCOTFORD	SCTG		Co-gen	0.9	0.1	0.0	0.4	0.0	0.0	0.1	0.6	0.2	0.0	13.6	8.5
55	MUSKEG	MKR1	1	Co-gen	44.2	42.7	30.9	57.1	35.2	35.2	13.4	23.3	42.7	30.6	25.9	21.5
56	MCKAY RIVER	MKRC		Co-gen	153.7	130.7	150.9	182.9	170.3	163.9	128.5	146.8	102.5	176.9	144.0	137.9
57	SYNCRUDE	SCL1		Co-gen	34.1	26.0	18.5	65.4	42.0	37.7	30.3	40.6	41.7	50.3	37.9	31.5
58	DOW GTG	DOWGEN15M	1	Co-gen	86.0	54.0	31.7	64.7	34.0	4.4	59.2	51.8	47.0	65.8	41.7	27.7
59	MAHKESES COLD LAKE	IOR1		Co-gen	42.3	41.3	36.2	45.9	29.2	42.2	25.6	35.0	40.4	39.7	37.7	38.4
60	SUNCOR MILLENIUM	SCR1		Co-gen	396.5	390.7	357.0	466.3	400.3	344.5	349.8	353.6	337.9	399.6	384.7	384.1
61	CASCADE	CAS		Hydro	17.7	13.0	10.0	13.8	7.2	0.2	0.0	0.7	2.6	13.7	2.6	0.6
62	BEARSPAW	BPW		Hydro	5.5	6.1	6.7	5.3	7.5	10.1	5.4	8.9	10.7	6.4	7.8	8.7
63	BARRIER	BAR		Hydro	0.0	0.0	0.0	0.0	0.2	0.4	0.0	1.9	5.8	0.0	0.0	0.0
64	GHOST	GHO		Hydro	32.4	14.0	4.1	13.8	17.0	14.9	32.9	32.7	30.5	22.1	11.4	7.3
65	THREE SISTERS	THS		Hydro	0.8	0.7	0.5	0.0	0.0	0.0	0.2	0.1	0.0	0.9	0.7	0.2
66	KANANASKIS	KAN		Hydro	7.6	8.2	9.2	6.2	9.0	12.1	6.9	8.6	11.8	8.1	5.6	5.4
67	HORSESHOE	HSH		Hydro	4.6	6.8	7.9	5.8	7.9	9.2	9.6	10.5	9.9	5.9	7.7	8.8
68	SPRAY	SPR		Hydro	30.0	33.0	17.2	34.6	22.5	1.8	63.5	51.9	20.9	30.6	28.8	11.1
69	RUNDLE	RUN		Hydro	7.2	7.1	3.4	7.6	5.2	0.5	16.0	14.3	4.4	7.7	6.8	1.6
70	POCATERRA	POC		Hydro	10.6	2.8	0.0	4.5	4.8	0.2	9.9	5.6	2.6	9.5	4.7	0.1
71	BRAZEAU	BRA	1	Hydro	41.0	29.7	2.4	32.8	31.6	22.6	141.2	104.6	136.7	36.1	26.7	3.9
72	STIRLING	000006711		Hydro, DG	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.8	0.0	0.0	0.1
73	INTERLAKES	INT		Hydro	4.3	1.5	0.0	1.4	0.9	0.0	3.1	1.5	0.6	3.2	1.7	0.1
74	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
75	CHIN CHUTE	CHIN		Hydro	0.0	0.0	0.0	0.0	2.5	6.7	6.6	7.1	7.3	0.3	2.8	3.9
76	OLDMAN	OMRH		Hydro	5.4	4.7	5.2	3.8	17.5	26.0	28.9	28.7	30.4	9.6	13.2	14.5
77	TAYLOR HYDRO	TAY1		Hydro	0.0	0.0	0.0	0.0	1.2	3.7	10.9	9.9	5.4	0.4	3.3	4.5
78	RAYMOND RESERVOIR	RYMD		Hydro	0.0	0.0	0.0	0.0	2.4	6.5	13.6	13.0	11.7	0.5	4.0	5.5
79	BIGHORN	BIG	1	Hydro	51.5	36.7	30.1	54.7	49.5	33.3	78.9	62.6	37.8	63.8	61.1	57.2
80	HR MILNER	HRM	1	Coal	94.4	78.3	53.6	91.7	70.6	72.6	74.2	58.0	23.2	87.2	61.8	47.5

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81	SUNDANCE #4	SD4	1	Coal	296.0	275.5	278.8	265.6	241.1	170.8	295.3	271.4	183.1	300.3	298.8	295.7
82	SUNDANCE #5	SD5	1	Coal	266.6	249.2	248.4	303.6	261.8	212.3	268.3	256.6	176.7	271.3	265.2	260.1
83	SUNDANCE #6	SD6	1	Coal	224.6	240.2	245.1	254.3	171.9	113.1	149.7	160.2	233.7	238.5	178.8	168.1
84	SUNDANCE #3	SD3	1	Coal	303.1	244.6	195.7	253.7	239.2	189.7	307.1	297.4	255.4	315.4	294.7	282.9
85	SUNDANCE #1	SD1	1	Coal	154.1	185.4	184.5	201.3	179.4	105.9	190.4	183.5	180.5	186.6	169.2	148.1
86	SUNDANCE #2	SD2	1	Coal	144.7	149.0	148.1	185.7	166.5	159.5	135.3	95.3	75.7	152.3	105.5	74.0
87	KEEPHILLS #3	KH3	1	Coal	157.9	211.5	222.6	170.4	193.1	192.2	250.0	181.9	26.5	153.3	230.5	249.2
88	GENESEE 1	GN1	1	Coal	199.2	190.9	186.8	203.7	201.2	192.8	221.5	191.3	153.5	220.9	220.9	208.3
89	GENESEE 2	GN2	1	Coal	209.8	207.0	194.8	207.1	141.5	94.0	203.9	181.3	100.4	205.1	194.5	182.1
90	GENESEE 3	GN3	1	Coal	208.6	220.4	220.3	202.0	196.3	166.3	221.1	224.7	223.3	227.7	211.2	208.8
91	SHEERNESS #1	SH1	1	Coal	182.7	187.9	141.1	203.7	186.7	132.5	200.3	188.0	178.7	203.7	169.9	135.4
92	SHEERNESS #2	SH2	1	Coal	188.4	181.3	140.2	199.3	182.8	139.8	174.3	160.2	171.7	189.1	108.6	63.2
93	KEEPHILLS #1	KH1	1	Coal	342.4	327.5	307.9	340.2	296.7	295.0	0.0	0.0	0.0	321.9	189.2	129.3
94	KEEPHILLS #2	KH2	1	Coal	276.7	221.3	268.4	79.2	270.0	291.5	319.7	310.5	246.5	329.2	308.3	295.6
95	BATTLE RIVER #5	BR5	1	Coal	190.9	169.9	126.5	192.7	140.7	88.6	175.9	155.6	111.1	182.1	154.7	99.6
96	BATTLE RIVER #3	BR3	1	Coal	76.5	61.5	48.3	52.5	52.7	31.8	54.5	42.1	22.0	71.8	65.2	44.8
97	BATTLE RIVER #4	BR4	1	Coal	7.2	44.7	40.1	71.8	50.8	30.5	73.6	59.9	46.9	3.5	32.8	27.6
98	HR MILNER	HRM	2	Coal	13.0	10.7	7.4	12.6	9.7	10.0	10.2	8.0	3.2	12.0	8.5	6.5
99	SUNDANCE #6	SD6	2	Coal	99.2	106.1	108.2	112.3	75.9	49.9	66.1	70.7	103.2	105.3	79.0	74.2
100	SUNDANCE #5	SD5	2	Coal	78.2	73.2	72.9	89.1	76.8	62.3	78.8	75.3	51.9	79.6	77.9	76.4
101	SUNDANCE #2	SD2	2	Coal	34.3	35.3	35.1	44.1	39.5	37.8	32.1	22.6	17.9	36.1	25.0	17.6
102	SUNDANCE #1	SD1	2	Coal	28.0	33.7	33.5	36.6	32.6	19.2	34.6	33.4	32.8	33.9	30.7	26.9
103	SUNDANCE #4	SD4	2	Coal	52.7	49.1	49.7	47.3	42.9	30.4	52.6	48.3	32.6	53.5	53.2	52.7
104	SUNDANCE #3	SD3	2	Coal	35.0	28.3	22.6	29.3	27.6	21.9	35.5	34.4	29.5	36.5	34.1	32.7
105	KEEPHILLS #3	KH3	2	Coal	121.1	162.2	170.7	130.7	148.1	147.4	191.8	139.6	20.3	117.6	176.8	191.1
106	GENESEE 2	GN2	2	Coal	183.6	181.1	170.4	181.2	123.9	82.2	178.5	158.7	87.9	179.5	170.2	159.3
107	GENESEE 1	GN1	2	Coal	145.8	139.8	136.7	149.1	147.2	141.1	162.1	140.0	112.4	161.7	161.7	152.5
108	GENESEE 3	GN3	2	Coal	208.4	220.2	220.0	201.7	196.0	166.1	220.8	224.5	223.0	227.4	211.0	208.5
109	SHEERNESS #2	SH2	2	Coal	121.5	116.9	90.4	128.5	117.9	90.2	112.4	103.3	110.7	121.9	70.0	40.8
110	SHEERNESS #1	SH1	2	Coal	107.9	111.0	83.3	120.3	110.2	78.2	118.3	111.0	105.5	120.3	100.3	80.0
111	KEEPHILLS #2	KH2	2	Coal	29.8	23.8	28.9	8.5	29.0	31.4	34.4	33.4	26.5	35.4	33.2	31.8
112	KEEPHILLS #1	KH1	2	Coal	49.7	47.6	44.7	49.4	43.1	42.9	0.0	0.0	0.0	46.8	27.5	18.8

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113	BATTLE RIVER #5	BR5	2	Coal	166.3	148.0	110.2	167.8	122.5	77.2	153.2	135.5	96.8	158.6	134.7	86.7
114	BATTLE RIVER #3	BR3	2	Coal	52.6	42.3	33.2	36.1	36.2	21.9	37.5	28.9	15.1	49.3	44.8	30.8
115	BATTLE RIVER #4	BR4	2	Coal	6.4	39.5	35.4	63.4	44.8	27.0	65.0	52.9	41.4	3.1	29.0	24.4
116	SUNDANCE UNIT 3 INCREASE	SD3	3	Coal	0.0	0.0	0.0	0.0	0.0	0.0	12.7	12.7	12.7	12.7	12.7	12.7
117	TRANSCANADA SHEERNESS UNIT 1 GENERATOR INCREASE	SH1	3	Coal	0.0	0.0	0.0	0.0	0.0	0.0	16.8	16.8	16.8	16.8	16.8	16.8
118	BRAZEAU	BRA	2	Hydro	1.4	1.0	0.1	1.1	1.1	0.8	4.7	3.5	4.6	1.2	0.9	0.1
119	BIGHORN	BIG	2	Hydro	1.7	1.2	1.0	1.8	1.6	1.1	2.5	2.0	1.2	2.1	2.0	1.8
120	TRANSALTA SPRAY 1 LIFE EXTENSION	SPR		Hydro	0.0	0.0	0.0	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
121	BC IMPORT	BCHIMP		Import	397.6	147.5	0.0	410.7	187.7	181.5	473.8	186.5	148.5	274.9	132.9	0.0
122	SASKATCHEWAN IMPORT	SPCIMP		Import	34.8	0.0	0.0	0.0	0.0	18.3	100.3	84.0	116.4	33.6	36.6	23.6
123	MONTANA TIE LINE	MATLIMP		Import	140.1	92.9	70.9	160.1	120.7	93.8	172.9	172.9	172.9	92.1	34.9	13.5
124	NORTHERN PRAIRIE POWER PROJECT	NPP1	1	Gas	37.6	12.9	0.0	32.6	6.3	0.0	45.3	16.3	0.3	10.4	17.6	0.8
125	TRANSCANADA BEAR CREEK GENERATOR	BCRK		Co-Cycle	2.8	3.8	0.0	0.0	11.6	9.7	15.9	11.3	7.2	7.7	6.5	6.1
126	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
127	RAINBOW 5	RB5	1	Gas	23.9	7.3	1.5	10.0	1.6	0.0	20.8	9.2	1.8	12.2	10.6	3.0
128	RAINBOW 4	RL1		Co-gen Gas	45.7	44.7	43.8	42.7	32.7	17.9	36.3	37.7	40.4	43.4	30.8	28.6
129	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
130	FORT NELSON	FNG1	1	Gas	30.0	11.9	0.5	12.2	4.1	2.5	30.1	13.4	3.1	7.4	10.3	5.6
131	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
132	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
133	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
134	ATCO VALLEY VIEW 2	VVW2		Gas	6.1	0.3	0.0	0.7	0.7	0.0	4.9	0.8	0.0	0.5	1.2	0.0
135	FORTIS GENALTA CARSON CREEK GENERATOR	0000065911		Gas	9.6	9.6	9.6	0.2	0.1	0.0	9.6	9.6	9.6	9.6	9.6	9.6
136	NRGREEN WINDFALL POWER GENERATING STATION	NRG3		Gas	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0

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137	FORTIS ANC (ALBERTA NEWSPRINT COMPANY) - GEN	ANC1		Gas	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
138	ENMAX CROSSFIELD ENERGY CENTER	CRS3	1	Gas	24.9	5.7	0.0	11.4	1.2	0.0	20.6	4.6	0.2	6.4	7.2	0.2
139	ENMAX CROSSFIELD ENERGY CENTER	CRS1	1	Gas	29.1	7.9	0.3	12.8	1.5	0.0	24.6	6.5	0.0	9.0	7.2	0.3
140	ENMAX CROSSFIELD ENERGY CENTER	CRS2	1	Gas	26.1	6.4	0.2	11.0	1.4	0.0	21.2	4.8	0.0	6.3	6.7	0.2
141	CLOVER BAR 1	ENC1		Gas	25.1	6.8	0.6	22.0	2.3	0.0	7.3	3.6	1.8	5.8	2.8	0.4
142	CLOVER BAR 2	ENC2	1	Gas	42.6	19.3	0.0	29.7	11.3	0.0	14.2	5.3	0.7	27.3	9.3	0.6
143	CLOVER BAR 3	ENC3	1	Gas	42.3	13.4	0.0	29.5	8.4	0.0	24.4	11.1	1.6	17.5	8.0	1.7
144	DRYWOOD 1	DRW1		Gas	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.1	0.0	0.0
145	DIASHOWA	DAI1	2	Co-gen	1.2	0.9	0.8	0.9	0.7	0.7	1.6	1.0	0.7	1.1	1.0	0.9
146	FORTISALBERTA AL-PAC PULP MILL	AFG1TX	2	Gas	4.2	2.1	1.3	1.1	1.6	2.5	4.7	3.2	2.7	1.4	2.1	1.7
147	BALZAC	NX01	2	Co-Cycle	54.4	32.4	12.8	35.0	13.3	10.6	46.8	31.4	10.9	33.0	32.9	22.3
148	ENMAX CALGARY ENERGY CENTRE CTG	CES1	2	Co-Cycle	55.1	34.9	17.3	41.5	19.8	7.2	43.1	27.4	24.4	14.8	17.4	12.9
149	ENMAX CALGARY ENERGY CENTRE STG	CES2	2	Co-Cycle	34.6	19.2	10.6	22.3	12.0	4.7	30.1	17.4	15.9	8.2	10.8	8.3
150	NOVA JOFFRE	NOVAGEN15M	2	Co-gen	43.8	31.2	23.5	36.2	20.2	13.4	35.9	24.2	19.3	28.9	25.9	21.5
151	CITY OF MEDICINE HAT	CMH1	2	Gas	10.8	6.1	3.4	5.3	3.5	2.6	6.9	8.4	8.6	5.3	6.3	4.6
152	CAVAILIER	EC01	2	Co-Cycle	31.2	22.8	10.4	27.4	12.5	7.2	33.6	27.2	21.4	24.8	25.2	19.5
153	MUSKEG	MKR1	2	Co-gen	1.3	1.3	0.9	1.7	1.0	1.0	0.4	0.7	1.3	0.9	0.8	0.6
154	DOW GTG	DOWGEN15M	2	Co-gen	14.3	9.0	5.3	10.8	5.7	0.7	9.9	8.6	7.8	11.0	7.0	4.6
155	IMPERIAL OIL COLD LAKE EXPANSION NABIYE PLANT	IOR1		Co-gen	155.2	155.2	155.2	155.2	155.2	155.2	155.2	155.2	155.2	155.2	155.2	155.2
156	POPLAR HILL	PH1	2	Gas	8.8	0.7	0.2	1.0	0.3	0.0	4.2	0.8	0.0	4.2	2.4	0.2
157	NORTHERN PRAIRIE POWER PROJECT	NPP1	2	Gas	20.3	7.0	0.0	17.6	3.4	0.0	24.5	8.8	0.2	5.6	9.5	0.4
158	RAINBOW 5	RB5	2	Gas	16.5	5.0	1.0	6.9	1.1	0.0	14.4	6.3	1.2	8.4	7.3	2.0
159	FORT NELSON	FNG1	2	Gas	0.4	0.2	0.0	0.2	0.1	0.0	0.4	0.2	0.0	0.1	0.1	0.1
160	VALLEYVIEW	VVW1	2	Gas	7.7	0.3	0.0	0.7	0.3	0.0	4.8	1.0	1.2	0.6	1.6	0.1



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161	ENMAX CROSSFIELD ENERGY CENTER	CRS1	2	Gas	6.8	1.8	0.1	3.0	0.3	0.0	5.7	1.5	0.0	2.1	1.7	0.1
162	ENMAX CROSSFIELD ENERGY CENTER	CRS2	2	Gas	7.3	1.8	0.1	3.1	0.4	0.0	6.0	1.3	0.0	1.8	1.9	0.0
163	ENMAX CROSSFIELD ENERGY CENTER	CRS3	2	Gas	5.6	1.3	0.0	2.6	0.3	0.0	4.7	1.1	0.0	1.4	1.6	0.0
164	CLOVER BAR 3	ENC3	2	Gas	16.3	5.1	0.0	11.4	3.2	0.0	9.4	4.3	0.6	6.7	3.1	0.6
165	CLOVER BAR 2	ENC2	2	Gas	19.5	8.8	0.0	13.6	5.2	0.0	6.5	2.4	0.3	12.5	4.3	0.3
166	ATCO GENALTA CADOTTE GENERATOR INCREASE	Project1523_1_GN		Gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.4	16.4	16.4
167	FORTIS GENALTA BELLSHILL DG	Project1472_1_GN		Gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
168	FORTIS BLUE EARTH INC./JBS D.G.	Project1550_1_GN	1	Gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0	6.0
169	FORTIS STS INCREASE NEPL RALSTON DG	0000089511	1	Gas	0.0	0.0	0.0	0.0	0.0	0.0	4.7	4.7	4.7	4.7	4.7	4.7
170	GRANDE PRAIRIE CONTRACT CAPACITY INCREASE LOWE LAKE	NPP1	3	Gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6
172	PENGROWTH LINDBERGH CO-GEN	372S025N		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
173	IMPERIAL OIL BTF GENERATOR ADDITION	IOR3		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0