

2018 Market Share Offer Control Report

June 7, 2018

Taking action to promote effective competition and a culture of compliance and accountability in Alberta's electricity and retail natural gas markets

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1 Assessment of Offer Control

Section 5 of the *Fair, Efficient and Open Competition Regulation* (FEOC Regulation) requires that the Alberta Market Surveillance Administrator (MSA) publish certain metrics that reflect the percentage of offer control held by market participants at least annually. Details of the process to collect and publish information on offer control are set out in the MSA's [Market Share Offer Control \(MSOC\) Process](#).

In accordance with the process, the MSA calculated offer control information from the Alberta Electric System Operator (AESO) for the period April 22, 2018, hour ending 16. On May 18, 2018, the MSA requested confirmation of offer control from participants whose total offer control was calculated as greater than five percent, or for joint ventures that required further clarification.

As per Section 5(2) of FEOC Regulation, a market participant's total offer control is measured as the ratio of megawatts under its control to the sum of maximum capability of generating units in Alberta.

2018-04-22		
Company	Control (MW)	%
TransAlta	3,550	22.3%
Balancing Pool	2,652	16.7%
ATCO	1,609	10.1%
ENMAX	1,446	9.1%
Suncor	1,158	7.3%
Capital Power	1,118	7.0%
Other	4,006	25.2%
Total Dispatchable	15,538	97.8%
Total Non-dispatchable	349	2.2%
Grand Total	15,887	100.0%

Further details on offer control are provided in the appendix, including: a list of affiliates of market participants with offer control over five percent; the individual assets under the control of market participants with offer control over five percent; and a breakdown of offer control by unit. The definition of "market participant" in Section 5 of the FEOC Regulation means a market participant as defined in the *Electric Utilities Act* and also includes any affiliates of a market participant.

Total offer control among participants with greater than five percent MSOC decreased slightly to 72.6% from 73.1% in 2017. However, individual offer control for the largest participants changed significantly from 2017 to 2018 as described in section 2 below.

Company	2017-03-19		2018-04-22	
	Control (MW)	%	Control (MW)	%
TransAlta	1,839	11.6%	3,550	22.3%
Balancing Pool	3,893	24.5%	2,652	16.7%
ATCO	1,609	10.1%	1,609	10.1%
ENMAX	2,320	14.6%	1,446	9.1%
Suncor	959	6.0%	1,158	7.3%
Capital Power	1,010	6.3%	1,118	7.0%
Other	3,919	24.6%	4,006	25.2%
TransCanada	438	2.8%	446	2.8%
Imperial Oil	365	2.3%	365	2.3%
Nexen Inc.	340	2.1%	340	2.1%
Dow Chemical Canada ULC	326	2.0%	326	2.1%
EDF EN Canada Development Inc.	300	1.9%	300	1.9%
City of Medicine Hat	210	1.3%	255	1.6%
MEG Energy Corp.	202	1.3%	202	1.3%
Cenovus FCCL Ltd.	198	1.2%	198	1.2%
URICA Asset Optimization Ltd.	148	0.9%	156	1.0%
Maxim Power	149	0.9%	149	0.9%
Oldman 2 Wind Farm Ltd.	134	0.8%	134	0.8%
Exelon	105	0.7%	105	0.7%
Syncrude Canada Ltd.	100	0.6%	100	0.6%
Air Liquide Canada Inc.	96	0.6%	96	0.6%
NextEra	82	0.5%	82	0.5%
Castle Rock Ridge LP	77	0.5%	77	0.5%
Powerex Corp.	73	0.5%	73	0.5%
Alberta Pacific Forest Industries	67	0.4%	67	0.4%
Canadian Natural Resources Ltd.	65	0.4%	65	0.4%
Alberta Newsprint Company / ANC Power	63	0.4%	63	0.4%
AltaGas Ltd.	62	0.4%	62	0.4%
Daishowa-Marubeni Int. Ltd.	52	0.3%	52	0.3%
International Paper Canada Pulp Holdings ULC	48	0.3%	48	0.3%
Cancarb Ltd.	42	0.3%	42	0.3%
Bull Creek Wind Power Limited Partnership	29	0.2%	29	0.2%
Canadian Forest Products Ltd.	27	0.2%	27	0.2%
Whitecourt Power Ltd.	25	0.2%	25	0.2%
Northstone Power Corp.	20	0.1%	20	0.1%
NRGreen Power Limited Partnership	16	0.1%	16	0.1%
Algonquin Power Operating Trust	15	0.1%	15	0.1%
Brooks Solar Corporation	--	--	15	0.1%
Repsol Canada Energy Partnership	13	0.1%	13	0.1%
University of Calgary	12	0.1%	12	0.1%

Valley Power L.P.	--	--	11	0.1%
West Fraser Mills Ltd.	10	0.1%	10	0.1%
Keyera Partnership	5	0.0%	5	0.0%
University of Alberta	5	0.0%	5	0.0%
Total Dispatchable	15,565	97.8%	15,538	97.8%
Total Non-dispatchable	350	2.2%	349	2.2%
Grand Total	15,915	100.0%	15,887	100.0%

2 Changes from 2017

Alberta's total capacity decreased 28 MW since the last MSOC assessment on March 19, 2017. This decrease was primarily due to the retirement of Sundance #1, although the connection of the Fort Hills cogeneration unit offset most of this reduction.

Over the past year there have been some significant changes in offer control among some of the largest market participants. On December 8, 2017, the Balancing Pool assumed offer control for the Keephills #1 and #2 generating units following the PPA Buyer Termination by ENMAX.¹ As per the 20-year tolling contract between Capital Power and ENMAX, offer control of 107.5 MW of the Shepard facility transferred from ENMAX to Capital Power at the beginning of 2018.² The Sundance A PPA (units #1 and 2) expired at the end of 2017. Offer control for these units was transferred from the Balancing Pool to TransAlta on January 1, 2018, after which TransAlta retired unit #1 immediately.³ The Balancing Pool terminated the Sundance B (units #3 and #4) and Sundance C PPAs (units #5 and #6) effective March 31, 2018, at which point TransAlta assumed full offer control of these units.⁴

Two new assets were added in 2017.⁵ On August 1, 2017 Suncor connected the 199 MW Fort Hills (FH1) cogeneration project.⁶ On December 5, 2017 Brooks Solar Corporation connected the 15 MW Brooks Solar (BSC1) solar power facility.⁷

On November 2, 2017 an additional unit was added in Medicine Hat (CMH1), increasing its maximum capability from 210 MW to 255 MW.⁸ On April 28, 2017 Sundance #2 (SD2) was derated from 288 MW to 280 MW. On September 22, 2017, the MacKay River Cogeneration Plant (MKRC) was uprated from 197 MW to 205 MW.

On March 21, 2018 the Balancing Pool announced that the Battle River #5 PPA will be terminated, effective no later than September 30, 2018. Upon termination, 368 MW of offer control will be transferred to ATCO, who currently controls the remaining 17 MW. As the

¹ [New-Release-BP-Offer-Control-Dec-13.pdf](#)

² <https://www.capitalpower.com/generationportfolio/CA/Pages/shepard.aspx>

³ <https://www.aeso.ca/market/market-updates/status-of-sundance-unit-1-sd1-and-sundance-unit-2-sd2-effective-january-1-2018/>

⁴ [News-Release_2017-Sundance-Terminations.pdf](#)

⁵ The 5.4 MW Bellshill (BHL1) asset is scheduled to be connected on July 6, 2018; however, this falls out of the examination period of this report and will be included next year. <https://www.aeso.ca/market/market-updates/new-asset-bellshill-bhl1-notice/>

⁶ <https://www.aeso.ca/market/market-updates/new-asset-fort-hills-fh1-notice/>

⁷ <https://www.aeso.ca/market/market-updates/new-asset-brooks-solar-bsc1-notice/>

⁸ <https://www.medicinehat.ca/government/departments/electric-utility/new-generation-facility>

examination period for the calculation of offer control for this year precedes the termination date of the Battle River #5 PPA, this change is not included in this report.⁹

Units are included in offer control (and the denominator) as long as they are registered as active assets during the reference time. Units registered as active are still required to make offers (even if they are not available or mothballed) and their lack of availability is included in outage data published by the AESO.

The maximum capability of an asset used to calculate the denominator may not correspond to the name plate maximum capabilities as they would be typically viewed on the AESO's Current Supply Demand Report. Instead, the denominator uses maximum capability as it is registered with the AESO for the purpose of submitting price-quantity offer pairs.

Unit	2017 (MW)	2018 (MW)	Diff
BSC1 Brooks Solar	--	15	15
FH1 Fort Hills	--	199	199
Units Added (Units >=5 MW)	0	214	214
SD1 Sundance #1	288	--	-288
Units Retired (>=5 MW)	288	0	-288
CMH1 Medicine Hat #1	210	255	45
MFG1 MFC Mazepa	14	16	2
MKRC MacKay River Cogeneration Plant	197	205	8
SD2 Sundance #2	288	280	-8
CGL1 Clover Bar Landfill	5	4.8	-0.2
MC Changes (Units >=5 MW)	714	760.8	46.8
Units <5 MW	120.0	119.3	-0.7
Unchanged Units >=5 MW	14,793	14,793	0.0
TOTAL (MW)	15,915	15,887	-28

⁹ [News-Release_2018-Battle-River-5-Termination-1.pdf](#)

3 Appendix

3.1 Market Share Offer Control by Company

The tables below detail the units for each market participant with offer control greater than five percent, as well as the affiliates of the market participant (as defined in Section 5(1)(a) of the FEOC Regulation) insofar as they were making offers into the power pool. Offers for import energy are not applicable to offer control as contemplated in the FEOC regulation, and affiliates offering imports may not be included.

ATCO

ATCO Electric Ltd.

ATCO Power Canada Ltd.

ATCO	
Asset	Offer Control (MW)
APS1 Scotford Cogen	195
BR3 Battle River #3	149
BR4 Battle River #4	155
BR5 Battle River #5	17
HSM1 House Mountain	6
JOF1 Joffre #1	474
MKR1 Muskeg River	202
OMRH CUPC Oldman River	32
PH1 Poplar Hill #1	48
PR1 Primrose #1	100
RB5 Rainbow #5	50
RL1 Rainbow Lake #1	47
SH1 Sheerness #1	22
SH2 Sheerness #2	12
VVW1 Valley View 1	50
VVW2 Valley View 2	50
Grand Total	1,609

Balancing Pool

Balancing Pool

Balancing Pool

Asset	Offer Control (MW)
BR5 Battle River #5	368
GN1 Genesee #1	381
GN2 Genesee #2	381
KH1 Keephills #1	383
KH2 Keephills #2	383
SH1 Sheerness #1	378
SH2 Sheerness #2	378
Grand Total	2,652

Capital Power

Capital Power GP Holdings Inc.
Halkirk I Wind Project LP

Capital Power	
Asset	Offer Control (MW)
EGC1 Shepard	215
ENC1 Cloverbar #1	48
ENC2 Cloverbar #2	101
ENC3 Cloverbar #3	101
GN1 Genesee #1	19
GN2 Genesee #2	19
GN3 Genesee #3	233
HAL1 Halkirk Wind Power Facility	150
KH3 Keephills #3	232
Grand Total	1,118

ENMAX

Calgary Energy Centre No. 2 Inc.
ENMAX Cavalier LP
ENMAX Energy Corporation
ENMAX Generation Portfolio Inc.
Kettles Hill Wind Energy Inc.

ENMAX	
Asset	Offer Control (MW)
AKE1 McBride Lake Windfarm	73
CAL1 CALP Gen #1	320
CRS1 Summit- Crossfield	48
CRS2 Summit- Crossfield	48
CRS3 Summit- Crossfield	48
EC01 Cavalier	120
EGC1 Shepard	645
KHW1 Kettles Hill Wind	63
TAB1 Enmax Taber	81
Grand Total	1,446

Suncor

Suncor Energy Inc.

Suncor	
Asset	Offer Control (MW)
FH1 Fort Hills	199
SCR1 Base Plant	50
SCR2 Magrath	30
SCR3 Suncor Chin Chute	30
SCR5 Poplar Creek	376
SCR6 Firebag	473
Grand Total	1,158

TransAlta

TransAlta Corporation
 TransAlta Energy Marketing Corp.
 TransAlta Generation Partnership

TransAlta	
Asset	Offer Control (MW)
ARD1 Ardenville	68
BIG Bighorn Hydro	120
BOW1 Bow River Hydro	320
BRA Brazeau Hydro	350
BTR1 Blue Trail Wind	66
CR1 ARM2262 Castle River	39
CRE3 Cowley Ridge Expansion #3	20
GN3 Genesee #3	233
GWW1 GW Wind #1	71
IEW1 Summerview Phase 1	66
IEW2 Summerview Phase 2	66
KH1 Keephills #1	12
KH2 Keephills #2	12
KH3 Keephills #3	232
SD2 Sundance #2	280
SD3 Sundance #3	368
SD4 Sundance #4	406
SD5 Sundance #5	406
SD6 Sundance #6	401
TAY1 Taylor Hydro 1	14
Grand Total	3,550

3.2 Market Share Offer Control by Unit

The following table provides a breakdown of offer control by unit. The total for each unit is its maximum capability.

Unit - Control	MW
AFG1 APF Athabasca	67
Alberta Pacific Forest Industries	67
AKE1 McBride Lake Windfarm	73
ENMAX	73
ALP1 ALP	7
AltaGas Ltd.	7
ALP2 ALP	10
AltaGas Ltd.	10
ALS1 Air Liquide Scotford #1	96
Air Liquide Canada Inc.	96
ANC1 AB Newsprint	63
Alberta Newsprint Company / ANC Power	63
APS1 Scotford Cogen	195
ATCO	195
ARD1 Ardenville	68
TransAlta	68
BCR2 Bear Creek Cogen Plant	36
TransCanada	36
BCRK Bear Creek Cogen	64
TransCanada	64
BIG Bighorn Hydro	120
TransAlta	120
BOW1 Bow River Hydro	320
TransAlta	320
BR3 Battle River #3	149
ATCO	149
BR4 Battle River #4	155
ATCO	155
BR5 Battle River #5	385
ATCO	17
Balancing Pool	368
BRA Brazeau Hydro	350
TransAlta	350
BSC1 Brooks Solar	15
Brooks Solar Corporation	15
BSR1 Blackspring Ridge	300
EDF EN Canada Development Inc.	300
BTR1 Blue Trail Wind	66

TransAlta	66
BUL1 Bull Creek	13
Bull Creek Wind Power Limited Partnership	13
BUL2 Bull Creek	16
Bull Creek Wind Power Limited Partnership	16
CAL1 CALP Gen #1	320
ENMAX	320
CCMH Cancarb Medicine Hat	42
Cancarb Ltd.	42
CHIN Chin Chute	15
URICA Asset Optimization Ltd.	15
CL01 Christina Lake	100
Cenovus FCCL Ltd.	100
CMH1 Medicine Hat #1	255
City of Medicine Hat	255
CNR5 CNRL Horizon	65
Canadian Natural Resources Ltd.	65
CR1 ARM2262 Castle River	39
TransAlta	39
CRE3 Cowley Ridge Expansion #3	20
TransAlta	20
CRR1 Enel Alberta Castle Rock Wind Farm	77
Castle Rock Ridge LP	77
CRS1 Summit- Crossfield	48
ENMAX	48
CRS2 Summit- Crossfield	48
ENMAX	48
CRS3 Summit- Crossfield	48
ENMAX	48
DAI1 52MW Turbo Generator	52
Daishowa-Marubeni Int. Ltd.	52
DKSN Dickson Dam	15
Algonquin Power Operating Trust	15
DOWG Total Gen. & SR	326
Dow Chemical Canada ULC	326
DRW1 Drywood	6
URICA Asset Optimization Ltd.	6
DV1 Drayton Valley	11
Valley Power L.P.	11
EAGL Whitecourt Power	25
Whitecourt Power Ltd.	25
EC01 Cavalier	120
ENMAX	120

EC04 EnCana Foster Creek	98
Cenovus FCCL Ltd.	98
EGC1 Shepard	860
Capital Power	215
ENMAX	645
ENC1 Cloverbar #1	48
Capital Power	48
ENC2 Cloverbar #2	101
Capital Power	101
ENC3 Cloverbar #3	101
Capital Power	101
FH1 Fort Hills	199
Suncor	199
FNG1 Fort Nelson	73
Powerex Corp.	73
GEN5 Carson Creek	15
URICA Asset Optimization Ltd.	15
GEN6 Judy Creek	15
URICA Asset Optimization Ltd.	15
GN1 Genesee #1	400
Balancing Pool	381
Capital Power	19
GN2 Genesee #2	400
Balancing Pool	381
Capital Power	19
GN3 Genesee #3	466
Capital Power	233
TransAlta	233
GOC1 Gold Creek Facility	5
Maxim Power	5
GPEC Grande Prairie	27
Canadian Forest Products Ltd.	27
GWW1 GW Wind #1	71
TransAlta	71
HAL1 Halkirk Wind Power Facility	150
Capital Power	150
HMT1 ALP	45
AltaGas Ltd.	45
HRM H.R. Milner	144
Maxim Power	144
HSM1 House Mountain	6
ATCO	6
ICP1 Drops 4, 5, 6	7

URICA Asset Optimization Ltd.	7
IEW1 Summerview Phase 1	66
TransAlta	66
IEW2 Summerview Phase 2	66
TransAlta	66
IOR1 Mahkeses Central Plant	180
Imperial Oil	180
IOR2 Nabiye	185
Imperial Oil	185
JOF1 Joffre #1	474
ATCO	474
KH1 Keephills #1	395
Balancing Pool	383
TransAlta	12
KH2 Keephills #2	395
Balancing Pool	383
TransAlta	12
KH3 Keephills #3	463
Capital Power	231.5
TransAlta	231.5
KHW1 Kettles Hill Wind	63
ENMAX	63
ME02 Lethbridge Taber	8
URICA Asset Optimization Ltd.	8
ME03 Lethbridge Burdett	7
URICA Asset Optimization Ltd.	7
ME04 Lethbridge Coaldale	6
URICA Asset Optimization Ltd.	6
MEG1 Christina Lake	202
MEG Energy Corp.	202
MFG1 MFC Mazepa	16
URICA Asset Optimization Ltd.	16
MKR1 Muskeg River	202
ATCO	202
MKRC MacKay River Cogeneration Plant	205
TransCanada	205
NAT1 Ralston	20
URICA Asset Optimization Ltd.	20
NEP1 Ghost Pine	82
NextEra	82
NPC1 Denis St. Pierre	11
Northstone Power Corp.	11
NPC2 JL Landry	9

Northstone Power Corp.	9
NPP1 Constellation	105
Exelon	105
NRG3 NRGreen Cogen	16
NRGreen Power Limited Partnership	16
NX01 Nexen Inc #1	120
Nexen Inc.	120
NX02 Nexen Inc. #2	220
Nexen Inc.	220
OMRH CUPC Oldman River	32
ATCO	32
OWF1 Oldman 2 Wind Farm 1	46
Oldman 2 Wind Farm Ltd.	46
PH1 Poplar Hill #1	48
ATCO	48
PR1 Primrose #1	100
ATCO	100
PW01 Minnehik-Buck Lake	5
Keyera Partnership	5
RB5 Rainbow #5	50
ATCO	50
RL1 Rainbow Lake #1	47
ATCO	47
RYMD Raymond Reservoir	21
URICA Asset Optimization Ltd.	21
SCL1 Syncrude #1	100
Syncrude Canada Ltd.	100
SCR1 Base Plant	50
Suncor	50
SCR2 Magrath	30
Suncor	30
SCR3 Suncor Chin Chute	30
Suncor	30
SCR4 Wintering Hills	88
Oldman 2 Wind Farm Ltd.	88
SCR5 Poplar Creek	376
Suncor	376
SCR6 Firebag	473
Suncor	473
SD2 Sundance #2	280
TransAlta	280
SD3 Sundance #3	368
TransAlta	368

SD4 Sundance #4	406
TransAlta	406
SD5 Sundance #5	406
TransAlta	406
SD6 Sundance #6	401
TransAlta	401
SH1 Sheerness #1	400
ATCO	22.4
Balancing Pool	377.6
SH2 Sheerness #2	390
ATCO	11.9
Balancing Pool	378.1
TAB1 Enmax Taber	81
ENMAX	81
TAY1 Taylor Hydro 1	14
TransAlta	14
TC01 Carseland Cogen	95
TransCanada	95
TC02 Redwater Cogen	46
TransCanada	46
TLM2 Edson	13
Repsol Canada Energy Partnership	13
UOA1 UofA Generator	5
University of Alberta	5
UOC1 U of C Generator	12
University of Calgary	12
VVW1 Valley View 1	50
ATCO	50
VVW2 Valley View 2	50
ATCO	50
WCD1 West Cadotte	20
URICA Asset Optimization Ltd.	20
WEY1 Steam Turbine 48MW	48
International Paper Canada Pulp Holdings ULC	48
WWD1 Weldwood	10
West Fraser Mills Ltd.	10
Grand Total	15,538