

2017 Market Share Offer Control Report

May 11, 2017

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 March 19, 2017, hour ending 17. On March 28, 2017, 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.

Company	2017-03-19	
	Control (MW)	%
Balancing Pool	3,893	24.5%
ENMAX	2,320	14.6%
TransAlta	1,839	11.6%
ATCO	1,609	10.1%
Capital Power	1,010	6.3%
Suncor	959	6.0%
Other	3,936	24.7%
Total Dispatchable	15,565	97.8%
Total Non-dispatchable	350	2.2%
Grand Total	15,915	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 increased slightly to 73.1% from 72.7% in 2016. This increase was driven primarily by the retirement of several units by market participants. However, individual offer control for the largest participants changed significantly from 2016 to 2017 as described in section 2 below.

Company	2016-04-08		2017-03-19	
	Control (MW)	%	Control (MW)	%
Balancing Pool	562	3.5%	3,893	24.5%
ENMAX	2,699	16.9%	2,320	14.6%
TransAlta	1,927	12.1%	1,839	11.6%
ATCO	1,659	10.4%	1,609	10.1%
Capital Power	1,722	10.8%	1,010	6.3%
Suncor	959	6.0%	959	6.0%
Other	6,021	37.8%	3,936	24.7%
TransCanada	2625	16.5%	438	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	2.0%
EDF EN Canada Development Inc.	300	1.9%	300	1.9%
City of Medicine Hat	210	1.3%	210	1.3%
MEG Energy Corp.	202	1.3%	202	1.3%
Cenovus FCCL Ltd.	98	0.6%	198	1.2%
Maxim Power	149	0.9%	149	0.9%
URICA Asset Optimization Ltd.	--	--	148	0.9%
Oldman 2 Wind Farm Ltd.	46	0.3%	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	163	1.0%	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%
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	19	0.1%	16	0.1%
Algonquin Power Operating Trust	15	0.1%	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%
BowArk Energy Ltd.	6	0.0%	6	0.0%
Keyera Partnership	5	0.0%	5	0.0%
University of Alberta	5	0.0%	5	0.0%
Weyerhaeuser Company Ltd.	48	0.3%	--	--
Irrigation Canal Power Co-op Ltd.	43	0.3%	--	--
Signalta Resources Limited	21	0.1%	--	--
NAT-1 Limited Partnership	16	0.1%	--	--
Genalta III GP Ltd.	20	0.1%	--	--
MFC Power Limited Partnership	12	0.1%	--	--
URICA Energy Real Time Ltd.	30	0.2%	--	--
Total Dispatchable	15,548	97.6%	15,565	97.8%
Total Non-dispatchable	388	2.4%	350	2.2%
Grand Total	15,936	100.0%	15,915	100.0%

2 Changes from 2016

Alberta's total capacity decreased 21 MW since the last MSOC assessment on April 8, 2016.¹ This decrease was primarily due to the retirement of several generation assets as well as a few maximum capability adjustments.

Over the past year there have been some significant changes in offer control for the largest market participants. On July 8, 2016, the Balancing Pool assumed 100 MW of offer control for each of the Genesee #1 and #2 assets from Alberta Newsprint Company and TransCanada Energy Ltd., respectively.² Offer control for 368 MW of the Battle River #5 (BR5) coal asset was transferred from ENMAX PPA Management Inc. to the Balancing Pool on July 13, 2016. On January 10, 2017, offer control for the committed capacity under the Power Purchase Arrangements for Sundance #1 through #4 (SD1 through SD4) and Sheerness #1 and #2 (SH1 and SH2) moved from TransCanada Energy Ltd. to the Balancing Pool. At the same time, offer control for the committed capacity of Sundance #5 and #6 (SD5 and SD6) was transferred from Capital Power PPA Management Inc. to the Balancing Pool.³ Due to these changes, the total offer control attributed to the Balancing Pool increased from 562 MW to 3,893 MW.

One new unit was added in 2016. On June 1, 2016, Cenovus FCCL Ltd. connected a 100 MW cogeneration asset, Christina Lake (CL01), to the Alberta Interconnected Electric System.⁴

Several significant derates and retirements occurred since the 2016 reference period of April 8. On April 15, 2016, the maximum capability of the Shepard Energy Centre (EGC1) decreased

¹ On April 28, 2017, the maximum capability for the Sundance #1 and Sundance #2 units decreased from 288 MW to 280 MW. Since this change occurred after the reference period of March 19, 2017, this is not included in the offer control calculations in this report but will be included in the 2018 Market Share Offer Control Report.

² Alberta Utilities Commission, Decision 21375-D03-2016, September 28, 2016, http://www.auc.ab.ca/regulatory_documents/ProceedingDocuments/2016/21375-D03-2016.pdf

³ Balancing Pool, Balancing Pool's Total Energy Offer Control Increases to 3,900 MW, January 13, 2017

⁴ Alberta Electric System Operator, New Asset Christina Lake (CL01) Notice, May 27, 2016, <https://www.aeso.ca/market/market-updates/new-asset-christina-lake-cl01-notice/>

from 873 MW to 860 MW.⁵ In the spring of 2016, TransAlta decommissioned the 20 MW Cowley Ridge Wind Farm (CRW1). On December 1, 2016, ATCO Power Canada Ltd. decommissioned the Rainbow Lake 1, 2, and 3, gas assets.⁶

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 would still be required to make offers (even if they are not available) and their lack of availability would be 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	2016 (MW)	2017 (MW)	Diff
CL01 Christina Lake	--	100	100
Units Added (Units >=5 MW)	0	100	100
CRW1 Cowley Ridge	20	--	-20
RB1 Rainbow #1	30	--	-30
RB2 Rainbow #2	40	--	-40
RB3 Rainbow #3	20	--	-20
VQ6 WTN11141	6	--	-6
Units Retired (>=5 MW)	116	0	-116
CRE3 Cowley Ridge Expansion #3	22	20	-2
DV1 Drayton Valley	13.2	11	-2.2
EGC1 Shepard	873	860	-13
HSM1 House Mountain	4	6	2
MFG1 High River	12	14	2
NAT1 Ralston	16	20	4
NRG3 NRGreen Cogen	19	16	-3
MC Changes (Units >=5 MW)	959.2	947	-12.2
Units <5 MW	113	120	7
Unchanged Units >=5 MW	14748	14748	0
TOTAL (MW)	15936	15915	-21

⁵ Alberta Electric System Operator, EGC1 Shepard Energy Centre change in maximum capability (MC) notice, April 13, 2016, <https://www.aeso.ca/market/market-updates/egc1-shepard-energy-centre-change-in-maximum-capability-mc-notice/>

⁶ Alberta Electric System Operator, Update to Decommissioning Notice: ATCO Power Canada Ltd. Rainbow Lake Units 1, 2 and 3, October 14, 2016, <https://www.aeso.ca/market/market-updates/httpswww.aeso-camarketmarket-updatesupdate-to-decommissioning-notice-atco-power-canada-ltd-rainbow-lake-units-1-2-and-3/>

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
SD1 Sundance #1	288
SD2 Sundance #2	288
SD3 Sundance #3	368
SD4 Sundance #4	353
SD5 Sundance #5	353
SD6 Sundance #6	357
SH1 Sheerness #1	378
SH2 Sheerness #2	378
Grand Total	3,893

Capital Power

Capital Power GP Holdings Inc.
Halkirk I Wind Project LP

Capital Power	
Asset	Offer Control (MW)
EGC1 Shepard	108
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	1,010

ENMAX

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

ENMAX	
Asset	Offer Control (MW)
AKE1 McBride Lake Windfarm	73
CAL1 Calgary Energy Centre	320
CRS1 Summit- Crossfield	48
CRS2 Summit- Crossfield	48
CRS3 Summit- Crossfield	48
EC01 Cavalier	120
EGC1 Shepard	753
KH1 Keephills #1	383
KH2 Keephills #2	383
KHW1 Kettles Hill Wind	63
TAB1 Enmax Taber	81
Grand Total	2,320

Suncor

Suncor Energy Inc.

Suncor	
Asset	Offer Control (MW)
SCR1 Base Plant	50
SCR3 Suncor Chin Chute	30
SCR5 Poplar Creek	376
SCR6 Firebag	473
SCR2 Magrath	30
Grand Total	959

TransAlta

TransAlta Corporation
 TransAlta Energy Marketing Corp.

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 Castle River #1	39
GN3 Genesee #3	233
GWW1 Soderglen Wind	71
IEW1 Summerview Phase 1	66
IEW2 Summerview Phase 2	66
KH1 Keephills #1	12
KH2 Keephills #2	12
KH3 Keephills #3	232
SD4 Sundance #4	53
SD5 Sundance #5	53
SD6 Sundance #6	44
TAY1 Taylor Hydro 1	14
CRE3 Cowley Ridge Expansion #3	20
Grand Total	1,839

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 Bantry	7
AltaGas Ltd.	7
ALP2 Parkland	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
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 Calgary Energy Centre	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	210
City of Medicine Hat	210
CNR5 CNRL Horizon	65
Canadian Natural Resources Ltd.	65
CR1 Castle River #1	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 Daishowa	52
Daishowa-Marubeni Int. Ltd.	52
DKSN Dickson Dam	15
Algonquin Power Operating Trust	15
DOWG Dow Hydrocarbon	326
Dow Chemical Canada ULC	326
DRW1 Drywood	6
BowArk Energy 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	107.5
ENMAX	752.5
ENC1 Cloverbar #1	48
Capital Power	48
ENC2 Cloverbar #2	101
Capital Power	101
ENC3 Cloverbar #3	101
Capital Power	101
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 Soderglen Wind	71
TransAlta	71
HAL1 Halkirk Wind Power Facility	150
Capital Power	150
HMT1 AltaGas Harmattan	45
AltaGas Ltd.	45
HRM H.R. Milner	144
Maxim Power	144
HSM1 House Mountain	6
ATCO	6
ICP1 Irrican Hydro	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
ENMAX	383
TransAlta	12
KH2 Keephills #2	395
ENMAX	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 High River	14
URICA Asset Optimization Ltd.	14
MKR1 Muskeg River	202
ATCO	202
MKRC MacKay River Cogeneration Plant	197
TransCanada	197
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
SD1 Sundance #1	288
Balancing Pool	288
SD2 Sundance #2	288
Balancing Pool	288
SD3 Sundance #3	368
Balancing Pool	368
SD4 Sundance #4	406
Balancing Pool	353

TransAlta	53
SD5 Sundance #5	406
Balancing Pool	353
TransAlta	53
SD6 Sundance #6	401
Balancing Pool	357
TransAlta	44
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 Weyerhaeuser	48
International Paper Canada Pulp Holdings ULC	48
WWD1 Weldwood	10
West Fraser Mills Ltd.	10
Grand Total	15,565