

Market Share Offer Control 2016

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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* (the 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 8, 2016, hour ending 17. On May 19, 2016 the MSA requested confirmation of offer control from participants whose total offer control was calculated at greater than five percent, or where joint ventures 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.

	2016-04-08	
Company	Control (MW)	%
ENMAX	2,699	16.9%
TransCanada	2,625	16.5%
TransAlta	1,927	12.1%
Capital Power	1,722	10.8%
ATCO	1,659	10.4%
Suncor	959	6.0%
Other	3,958	24.8%
Total Dispatchable	15,548	97.6%
Total Non-dispatchable	388	2.4%
Total	15,936	100.0%

Further details on offer control are provided in the appendix, including: a list of associates of the largest market participants, the individual assets under a market participant's control, 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 an "associate" of a market participant.

For 2016, offer control remains largely unchanged from last year for most participants.¹ Total offer control among those participants with greater than 5% MSOC decreased slightly to 72.7%, down from 73.0% in 2015. This decrease was driven primarily by the addition of several units by smaller market participants.

¹ Between December 11, 2015 and May 6, 2016, a number of generators provided notice to the Balancing Pool of their intent to terminate their Power Purchase Arrangements (PPA). However, as of April 8, 2016 HE 17, offer control as provided to the AESO had not changed.

Company	2015-04-01		2016-04-08	
	Control (MW)	%	Control (MW)	%
ENMAX	2,699	17.0%	2,699	16.9%
TransCanada	2,609	16.5%	2,625	16.5%
TransAlta	2,221	14.0%	1,927	12.1%
Capital Power	1,722	10.9%	1,722	10.8%
ATCO	1,659	10.5%	1,659	10.4%
Suncor	673	4.2%	959	6.0%
Other	3,874	24.4%	3,958	24.8%
Balancing Pool	562	3.5%	562	3.5%
Imperial Oil	350	2.2%	365	2.3%
Nexen Inc.	340	2.1%	340	2.1%
Dow Chemical Canada ULC	326	2.1%	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%
Alberta Newsprint Company / ANC Power	163	1.0%	163	1.0%
Maxim Power	149	0.9%	149	0.9%
Exelon	93	0.6%	105	0.7%
Syncrude Canada Ltd.	100	0.6%	100	0.6%
Cenovus FCCL Ltd.	98	0.6%	98	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%
AltaGas Ltd.	62	0.4%	62	0.4%
Daishowa-Marubeni Int. Ltd.	52	0.3%	52	0.3%
Weyerhaeuser Company Ltd.	48	0.3%	48	0.3%
Oldman 2 Wind Farm Ltd.	46	0.3%	46	0.3%
Irrigation Canal Power Co-op Ltd.	43	0.3%	43	0.3%
Cancarb Ltd.	42	0.3%	42	0.3%
URICA Energy Real Time Ltd.	30	0.2%	30	0.2%
Bull Creek Wind Power Limited Partnership	--	--	29	0.2%
Canadian Forest Products Ltd.	27	0.2%	27	0.2%
Whitecourt Power Ltd.	25	0.2%	25	0.2%
Signalta Resources Limited	21	0.1%	21	0.1%
Genalta III GP Ltd.	20	0.1%	20	0.1%
Northstone Power Corp.	20	0.1%	20	0.1%

NRGreen Power Limited Partnership	19	0.1%	19	0.1%
NAT-1 Limited Partnership	--	--	16	0.1%
Algonquin Power Operating Trust	15	0.1%	15	0.1%
Repsol Canada Energy Partnership	--	--	13	0.1%
MFC Power Limited Partnership	--	--	12	0.1%
University of Calgary	12	0.1%	12	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%
Talisman Energy Canada	13	0.1%	--	--
Total Dispatchable	15,456	97.5%	15,548	97.6%
Total Non-dispatchable	399	2.5%	388	2.4%
Grand Total	15,855	100.0%	15,936	100.0%

2 Changes from 2015

Alberta's total capacity increased 81 MW since the last MSOC assessment on April 1, 2015. This increase was primarily due to the addition of several small generation assets as well as a few maximum capacity adjustments.

On July 7, 2015, Suncor and TransAlta announced that they had agreed to restructure their arrangement for power generation services at the Poplar Creek oil sands base.² Under this new arrangement, offer control for SCR1 Poplar Creek (376 MW) transferred from TransAlta to Suncor while offer control for SCR4 Wintering Hills facility (88 MW) transferred from Suncor to TransAlta. This new arrangement became effective September 1, 2015.³

In addition to this change, Suncor requested that the AESO split SCR1 among three asset IDs: SCR1, SCR5 and SCR6. The assets were split effective December 1, 2015.

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 though they may not be 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 pairs.

Unit	2015 (MW)	2016 (MW)	Diff (MW)
BUL1 Bull Creek	--	13	13
BUL2 Bull Creek	--	16	16
MFG1 MFC Mazeppa	--	12	12
NAT1 Ralston	--	16	16
SCR1 Base Plant	--	50	50
SCR5 Poplar Creek	--	376	376
SCR6 Firebag	--	473	473
TLM2 Edson	--	13	13
Units Added (Units >=5 MW)	0	969	969
SCR1 Poplar Creek	901	--	-901
TLM2 Talisman Edson	13	--	-13
Units Retired (>=5 MW)	914	0	-914

² TransAlta, Press Release, July 7, 2015, <http://www.transalta.com/newsroom/news-releases/2015-07-07/transalta-announces-restructured-poplar-creek-contract-suncor-ener>

³ Alberta Utilities Commission, Preferential Sharing of Records between Suncor Energy Inc. and TransAlta Generation Partnership, December 14, 2015, http://www.auc.ab.ca/regulatory_documents/ProceedingDocuments/2015/20836-D01-2015.pdf

CRW1 Cowley Ridge	38	20	-18
IOR2 Nabiye	170	185	15
NPP1 Constellation	93	105	12
SD3 Sundance #3	362	368	6
SD6 Sundance #6	389	401	12
SH1 Sheerness #1	390	400	10
MC Changes (Units >=5 MW)	1,442	1,479	37
Units <5 MW	127	117	-11
Unchanged Units >=5 MW	13,372	13,372	0
TOTAL (MW)	15,855	15,936	81

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 to the power pool. Offers for import energy are not applicable to offer control contemplated by 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
JOF1 Joffre #1	474
MKR1 Muskeg River	202
OMRH CUPC Oldman River	32
PH1 Poplar Hill #1	48
PR1 Primrose #1	100
RB1 Rainbow #1	30
RB2 Rainbow #2	40
RB3 Rainbow #3	20
RB5 Rainbow #5	50
RL1 Rainbow Lake #1	47
VVW1 Valley View 1	50
VVW2 Valley View 2	50
Grand Total	1,659

Capital Power

Capital Power GP Holdings Inc.
Capital Power PPA Management Inc.
Halkirk I Wind Project LP

Capital Power

Asset	Offer Control (MW)
EGC1 Shepard	109
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
SD5 Sundance #5	353
SD6 Sundance #6	357
Grand Total	1,722

ENMAX

Calgary Energy Centre No. 2 Inc.
ENMAX Cavalier LP
ENMAX Energy Corporation
ENMAX Energy Corporation 12
ENMAX Generation Portfolio Inc.
ENMAX PPA Management Inc.
Kettles Hill Wind Energy Inc.

ENMAX

Asset	Offer Control (MW)
AKE1 McBride Lake Windfarm	73
BR5 Battle River #5	368
CAL1 CALP Gen #1	320
CRS1 Summit- Crossfield	48
CRS2 Summit- Crossfield	48
CRS3 Summit- Crossfield	48
EC01 Cavalier	120
EGC1 Shepard	764
KH1 Keephills #1	383
KH2 Keephills #2	383
KHW1 Kettles Hill Wind	63
TAB1 Enmax Taber	81
Grand Total	2,699

Suncor

Suncor Energy Inc.
Suncor Energy Products Inc.

Suncor

Asset	Offer Control (MW)
SCR1 Base Plant	50
SCR2 Magrath	30
SCR3 Suncor Chin Chute	30
SCR5 Poplar Creek	376
SCR6 Firebag	473
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 ARM2262 Castle River	39
CRW1 Cowley Ridge	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
SCR4 Wintering Hills	88
SD4 Sundance #4	53
SD5 Sundance #5	53
SD6 Sundance #6	44
TAY1 Taylor Hydro 1	14
Grand Total	1,927

TransCanada

TransCanada Energy Ltd

TransCanada

Asset	Offer Control (MW)
BCR2 Bear Creek Cogen Plant	36
BCRK Bear Creek Cogen	64
GN2 Genesee #2	100
MKRC MacKay River Cogeneration	197
SD1 Sundance #1	288
SD2 Sundance #2	288
SD3 Sundance #3	368
SD4 Sundance #4	353
SH1 Sheerness #1	400
SH2 Sheerness #2	390
TC01 Carseland Cogen	95
TC02 Redwater Cogen	46
Grand Total	2,625

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 2	36
TransCanada	36
BCRK Bear Creek 1	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
ENMAX	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
Irrigation Canal Power Co-op Ltd.	15
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
CRR1 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
CRW1 Cowley Ridge	20
TransAlta	20
DAI1 Daishowa	52
Daishowa-Marubeni Int. Ltd.	52
DKSN Dickson Dam	15
Algonquin Power Operating Trust	15
DRW1 Drywood	6
BowArk Energy Ltd.	6
EAGL Whitecourt Power	25
Whitecourt Power Ltd.	25
EC01 Cavalier	120
ENMAX	120
EC04 Foster Creek	98
Cenovus FCCL Ltd.	98

EGC1 Shepard	873
Capital Power	109.125
ENMAX	763.875
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 Energy Real Time Ltd.	15
GEN6 Judy Creek	15
URICA Energy Real Time Ltd.	15
GN1 Genesee #1	400
Alberta Newsprint Company / ANC Power	100
Balancing Pool	281
Capital Power	19
GN2 Genesee #2	400
Balancing Pool	281
Capital Power	19
TransCanada	100
GN3 Genesee #3	466
Capital Power	233
TransAlta	233
GOC1 Gold Creek Facility	5
Maxim Power	5
GPEC Grande Prairie EcoPower	27
Canadian Forest Products Ltd.	27
GWW1 Soderglen Wind	71
TransAlta	71
HAL1 Halkirk Wind Power Facility	150
Capital Power	150
HMT1 Harmattan	45
AltaGas Ltd.	45
HRM H.R. Milner	144
Maxim Power	144
ICP1 Irrican Hydro	7
Irrigation Canal Power Co-op 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
Signalta Resources Limited	8
ME03 Lethbridge Burdett	7
Signalta Resources Limited	7
ME04 Lethbridge Coaldale	6
Signalta Resources Limited	6
MEG1 Christina Lake	202
MEG Energy Corp.	202
MFG1 MFC Mazeppa	12
MFC Power Limited Partnership	12
MKR1 Muskeg River	202
ATCO	202
MKRC MacKay River	197
TransCanada	197
NAT1 Ralston	16
NAT-1 Limited Partnership	16
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	19
NRGreen Power Limited Partnership	19FH
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 Buck Lake	5
Keyera Partnership	5
RB1 Rainbow #1	30
ATCO	30
RB2 Rainbow #2	40
ATCO	40
RB3 Rainbow #3	20
ATCO	20
RB5 Rainbow #5	50
ATCO	50
RL1 Rainbow Lake #1	47
ATCO	47
RYMD Raymond Reservoir	21
Irrigation Canal Power Co-op Ltd.	21
SCL1 Syncrude #1	100
Syncrude Canada Ltd.	100
SCR1 Base Plant	50
Suncor	50
SCR2 McGrath	30
Suncor	30

SCR3 Suncor Chin Chute	30
Suncor	30
SCR4 Wintering Hills	88
TransAlta	88
SCR5 Poplar Creek	376
Suncor	376
SCR6 Firebag	473
Suncor	473
SD1 Sundance #1	288
TransCanada	288
SD2 Sundance #2	288
TransCanada	288
SD3 Sundance #3	368
TransCanada	368
SD4 Sundance #4	406
TransAlta	53
TransCanada	353
SD5 Sundance #5	406
Capital Power	353
TransAlta	53
SD6 Sundance #6	401
Capital Power	357
TransAlta	44
SH1 Sheerness #1	400
TransCanada	400
SH2 Sheerness #2	390
TransCanada	390
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
DOWG Dow Hydrocarbon	326
Dow Chemical Canada ULC	326

UOA1 U of A 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
Genalta III GP Ltd.	20
WEY1 Weyerhaeuser	48
Weyerhaeuser Company Ltd.	48
WWD1 Weldwood	10
West Fraser Mills Ltd.	10
Grand Total	15,548