



## **Market Share Offer Control 2014**

July 7, 2014

The Market Surveillance Administrator is an independent enforcement agency that protects and promotes the fair, efficient and openly competitive operation of Alberta's wholesale electricity markets and its retail electricity and natural gas markets. The MSA also works to ensure that market participants comply with the Alberta Reliability Standards and the Independent System Operator's rules.

# 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 an MSA document entitled Market Share Offer Control Process.<sup>1</sup>

In accordance with the process the MSA utilized offer control information from the Alberta Electric System Operator (AESO). February 23, 2014 hour ending 17 was selected as the date and time for assessment. On March 27, 2014 the MSA requested confirmation of offer control from participants where offer control was indicated to be greater than five percent, or where the existence of joint ventures required further clarification on offer control. A participant's total offer control is measured as the ratio of megawatts under its control to the total megawatts of generation in Alberta, as per Section 5(2) of FEOC Regulation.

**Table 1: 2014 Market Share Offer Control**

2014-02-23 HE 17		
Company	Control (MW)	%
TransCanada	2,545.0	17.9%
TransAlta	1,806.5	12.7%
ATCO	1,675.0	11.8%
ENMAX	1,598.0	11.2%
Capital Power	1,462.5	10.3%
Balancing Pool	762.0	5.4%
Other	2,989.0	21.0%
Controlled Total	12,838.0	90.2%
Non dispatchable	1,398.1	9.8%
<b>Grand Total</b>	<b>14,236</b>	<b>100.0%</b>

Further details on offer control are provided in the appendix, including: a list of associates of the largest market participants, and the individual assets under a market participant's control, and a breakdown of offer control by unit is provided. The definition of 'market participant' in Section 5 of the FEOC Regulation is broader than that in the Electric Utilities Act and some entities have a large number of associates. For this reason the list of associates for a market participant should not be considered as complete, rather it is the affiliates identified with offer control in the hour of assessment. The MSA also notes that in some cases associates do not individually hold 'ultimate offer control' over any assets.

<sup>1</sup> Market Surveillance Administrator, [Annual Market Share Offer Control Process](#), April 30, 2013

**Table 2: Market Share Offer Control 2013/2014 (All Companies)**

Company	2013-03-27		2014-02-23	
	Control (MW)	%	Control (MW)	%
TransCanada	2,533	18.1%	2,545	17.9%
TransAlta	1,800	12.8%	1,806.5	12.7%
ATCO	1,376	9.8%	1,675	11.8%
ENMAX	1,872	13.4%	1,598	11.2%
Capital Power	1,456	10.4%	1,462.5	10.3%
Balancing Pool	762	5.4%	762	5.4%
<b>Other</b>	<b>2,796</b>	<b>20.0%</b>	<b>2,989</b>	<b>21.0%</b>
Suncor Energy Inc.	525	3.7%	525	3.7%
Nexen Inc.	340	2.4%	340	2.4%
Dow Chemical Canada ULC	326	2.3%	326	2.3%
City of Medicine Hat	210	1.5%	210	1.5%
MEG Energy Corp.	92	0.7%	202	1.4%
Imperial Oil Limited	180	1.3%	180	1.3%
Maxim Power Corp. / Milner Power	149	1.1%	149	1.0%
EnCana Corporation	120	0.9%	120	0.8%
Syncrude Canada Ltd.	100	0.7%	100	0.7%
Air Liquide Canada Inc.	96	0.7%	96	0.7%
Cenovus FCCL Ltd.	94	0.7%	94	0.7%
Constellation Energy / Exelon Generation	93	0.7%	93	0.7%
Powerex Corp.	73	0.5%	73	0.5%
Alberta Pacific Forest Industries	67	0.5%	67	0.5%
Canadian Natural Resources Ltd.	65	0.5%	65	0.5%
AltaGas Ltd.	65	0.5%	65	0.5%
Alberta Newsprint Company	0	0.0%	63	0.4%
Daishowa-Marubeni Int. Ltd.	52	0.4%	52	0.4%
Weyerhaeuser Company Ltd.	48	0.3%	48	0.3%
Canadian Forest Products Ltd.	27	0.2%	27	0.2%
NRGreen Power	0	0.0%	19	0.1%
Algonquin Power Operating Trust	15	0.1%	15	0.1%
Talisman Energy Canada	13	0.1%	13	0.1%
University of Calgary	11	0.1%	12	0.1%
Northstone Power Corp.	12	0.1%	12	0.1%
Irrigation Canal Power Co-op Ltd.	7	0.0%	7	0.0%
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%
Controlled Total	12,595	89.9%	12,838	90.2%
Non dispatchable	1,413	10.1%	1,398	9.8%
<b>Grand Total</b>	<b>14,008</b>	<b>100.0%</b>	<b>14,236</b>	<b>100.0%</b>

## 2. Changes from 2013

### 2.1 Denominator

Alberta's total capacity (used as the denominator) increased by 228 MW (+1.6%) since the assessment on March 27, 2013. The increase is largely due to increases in capacity at existing facilities, particularly gas and cogeneration facilities, as well as two new units that were in the process of commissioning on the February 23, 2014 reference period.

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.

**Table 3: Denominator 2014-02-23 HE 17**

<b>Unit</b>	<b>2013 (MW)</b>	<b>2014 (MW)</b>	<b>Diff</b>
ANC1 AB Newsprint (gas)	0.0	63.0	63.0
NRG3 NRGreen Cogen (gas cogen)	0.0	19.0	19.0
<b>Added Units ( &gt;= 5 MW)</b>	<b>0.0</b>	<b>82.0</b>	<b>82.0</b>
AKE1 McBride Lake Windfarm	90.0	73.0	-17.0
CAL1 CALP Gen #1	300.0	320.0	20.0
GWW1 GW Wind #1	75.1	71.0	-4.1
KH3 Keephills #3	450.0	463.0	13.0
MEG1 Christina Lake	92.0	202.0	110.0
MKRC MacKay River Cogeneration Plant	185.0	197.0	12.0
PR1 Primrose #1	95.0	100.0	5.0
UOC1 U of C Generator	11.0	12.0	1.0
<b>MC Changes (units &gt;= 5 MW)</b>	<b>1,298.1</b>	<b>1,438</b>	<b>139.9</b>
Units < 5 MW	106.8	112.6	5.8
Unchanged Units >= 5 MW	12,603.5	12,603.5	0
<b>TOTAL (MW)</b>	<b>14,008</b>	<b>14,236</b>	<b>228</b>

## **2.2 Battle River #3 and #4 PPA Expiration**

The most notable change in offer control results from the expiration of the Battle River Power Purchase Arrangement (PPA) with respect to units Battle River #3 (BR3) and Battle River #4 (BR4) at the end of 2013. The 294 MW of capacity at these units was previously controlled by ENMAX PPA Management Inc., and has since reverted to ATCO Power Canada Ltd.

This has resulted in a re-ordering of the largest five market participants. ENMAX, previously the second largest holder of offer control, now holds less than ATCO and TransAlta. TransCanada retains the largest share of offer control. ATCO, previously holding less offer control than the other four largest market participants, surpassed Capital Power and ENMAX to hold the third largest share of offer control.

## Appendix

The tables which follow details the units for each company with offer control greater than 5 percent, as well as the affiliates of the market participant (as defined in Section 5(1)(a) of the Fair, Efficient, Open Competition Regulation) insofar as they were making offers to the energy merit order. 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
ST1 Sturgeon #1	8
ST2 Sturgeon #2	8
VVW1 Valley View 1	50
VVW2 Valley View 2	50
<b>Grand Total</b>	<b>1675</b>

**Balancing Pool**

Balancing Pool

<b>Balancing Pool</b>	
<b>Asset</b>	<b>Offer Control (MW)</b>
GN1 Genesee #1	381
GN2 Genesee #2	381
<b>Grand Total</b>	<b>762</b>

**Capital Power**

Capital Power GP Holdings Inc.

<b>Capital Power</b>	
<b>Asset</b>	<b>Offer Control (MW)</b>
ENC1 Cloverbar #1	48
ENC2 Cloverbar #2	101
ENC3 Cloverbar #3	101
GN1 Genesee #1	19
GN2 Genesee #2	19
GN3 Genesee #3	233
KH3 Keephills #3	231.5
SD5 Sundance #5	353
SD6 Sundance #6	357
<b>Grand Total</b>	<b>1462.5</b>



**ENMAX**

Calgary Energy Centre No. 2 Inc.  
 ENMAX Energy Corporation  
 ENMAX Green Power Inc.  
 ENMAX PPA Management Inc.

**ENMAX**

<b>Asset</b>	<b>Offer Control (MW)</b>
BR5 Battle River #5	368
CAL1 CALP Gen #1	320
CRS1 Summit- Crossfield	48
CRS2 Summit- Crossfield	48
CRS3 Summit- Crossfield	48
KH1 Keephills #1	383
KH2 Keephills #2	383
<b>Grand Total</b>	<b>1598</b>

**TransAlta**

Canadian Hydro Developers, Inc.  
 TransAlta Energy Marketing Corp.

**TransAlta**

<b>Asset</b>	<b>Offer Control (MW)</b>
BIG Bighorn Hydro	120
BOW1 Bow River Hydro	320
BRA Brazeau Hydro	350
GN3 Genesee #3	233
KH1 Keephills #1	12
KH2 Keephills #2	12
KH3 Keephills #3	231.5
SCR1 Poplar Creek	376
SD4 Sundance #4	53
SD5 Sundance #5	53
SD6 Sundance #6	32
TAY1 Taylor Hydro 1	14
<b>Grand Total</b>	<b>1806.5</b>

**TransCanada**

TransCanada Energy Ltd

<b>TransCanada</b>	
<b>Asset</b>	<b>Offer Control (MW)</b>
BCR2 Bear Creek Cogen Plant	36
BCRK Bear Creek Cogen	58
CCMH Cancarb Medicine Hat	42
MKRC MacKay River Cogeneration Plant	197
SD1 Sundance #1	288
SD2 Sundance #2	288
SD3 Sundance #3	362
SD4 Sundance #4	353
SH1 Sheerness #1	390
SH2 Sheerness #2	390
TC01 Carseland Cogen	95
TC02 Redwater Cogen	46
<b>Grand Total</b>	<b>2545</b>

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

Unit - Control	MW
<b>AFG1 APF Athabasca</b>	<b>67</b>
Alberta Pacific Forest Industries	67
<b>ALP1 ALP</b>	<b>7</b>
AltaGas Ltd.	7
<b>ALP2 ALP</b>	<b>7</b>
AltaGas Ltd.	7
<b>ALS1 Air Liquide Scotford #1</b>	<b>96</b>
Air Liquide Canada Inc.	96
<b>ANC1 AB Newsprint</b>	<b>63</b>
Alberta Newsprint Company	63
<b>APS1 Scotford Cogen</b>	<b>195</b>
ATCO Power Canada Ltd.	195
<b>BCR2 Bear Creek Cogen Plant</b>	<b>36</b>
TransCanada Energy Ltd	36
<b>BCRK Bear Creek Cogen</b>	<b>58</b>
TransCanada Energy Ltd	58
<b>BIG Bighorn Hydro</b>	<b>120</b>
TransAlta Energy Marketing Corp.	120
<b>BOW1 Bow River Hydro</b>	<b>320</b>
TransAlta Energy Marketing Corp.	320
<b>BR3 Battle River #3</b>	<b>149</b>
ATCO Power Canada Ltd.	149
<b>BR4 Battle River #4</b>	<b>155</b>
ATCO Power Canada Ltd.	155
<b>BR5 Battle River #5</b>	<b>385</b>
ATCO Electric Ltd.	17
ENMAX PPA Management Inc.	368
<b>BRA Brazeau Hydro</b>	<b>350</b>
TransAlta Energy Marketing Corp.	350
<b>CAL1 CALP Gen #1</b>	<b>320</b>
Calgary Energy Centre No. 2 Inc.	320
<b>CCMH Cancarb Medicine Hat</b>	<b>42</b>
TransCanada Energy Ltd	42
<b>CMH1 Medicine Hat #1</b>	<b>210</b>
City of Medicine Hat	210
<b>CNR5 CNRL Horizon</b>	<b>65</b>

Unit - Control	MW
Canadian Natural Resources Ltd.	65
<b>CRS1 Summit- Crossfield</b>	<b>48</b>
ENMAX Green Power Inc.	48
<b>CRS2 Summit- Crossfield</b>	<b>48</b>
ENMAX Green Power Inc.	48
<b>CRS3 Summit- Crossfield</b>	<b>48</b>
ENMAX Green Power Inc.	48
<b>DAI1 52MW Turbo Generator</b>	<b>52</b>
Daishowa-Marubeni Int. Ltd.	52
<b>DKSN Dickson Dam</b>	<b>15</b>
Algonquin Power Operating Trust	15
<b>DRW1 Drywood</b>	<b>6</b>
BowArk Energy Ltd.	6
<b>EC01 EnCana #1</b>	<b>120</b>
EnCana Corporation	120
<b>EC04 EnCana Foster Creek</b>	<b>94</b>
Cenovus FCCL Ltd.	94
<b>ENC1 Cloverbar #1</b>	<b>48</b>
Capital Power GP Holdings Inc.	48
<b>ENC2 Cloverbar #2</b>	<b>101</b>
Capital Power GP Holdings Inc.	101
<b>ENC3 Cloverbar #3</b>	<b>101</b>
Capital Power GP Holdings Inc.	101
<b>FNG1 Fort Nelson</b>	<b>73</b>
Powerex Corp.	73
<b>GN1 Genesee #1</b>	<b>400</b>
Balancing Pool	381
Capital Power GP Holdings Inc.	19
<b>GN2 Genesee #2</b>	<b>400</b>
Balancing Pool	381
Capital Power GP Holdings Inc.	19
<b>GN3 Genesee #3</b>	<b>466</b>
Capital Power GP Holdings Inc.	233
TransAlta Energy Marketing Corp.	233
<b>GOC1 Gold Creek Facility</b>	<b>5</b>
Maxim Power Corp.	5
<b>GPEC Grande Prairie</b>	<b>27</b>
Canadian Forest Products Ltd.	27
<b>HMT1 ALP</b>	<b>30</b>
AltaGas Ltd.	30

Unit - Control	MW
<b>HRM H.R. Milner</b>	<b>144</b>
Milner Power Limited Partnership by its General Partner Milner Power Inc.	144
<b>ICP1 Drops 4, 5, 6</b>	<b>7</b>
Irrigation Canal Power Co-op Ltd.	7
<b>IOR1 Mahkeses Central Plant</b>	<b>180</b>
Imperial Oil Limited	180
<b>JOF1 Joffre #1</b>	<b>474</b>
ATCO Power Canada Ltd.	474
<b>KH1 Keephills #1</b>	<b>395</b>
ENMAX Energy Corporation	383
TransAlta Energy Marketing Corp.	12
<b>KH2 Keephills #2</b>	<b>395</b>
ENMAX Energy Corporation	383
TransAlta Energy Marketing Corp.	12
<b>KH3 Keephills #3</b>	<b>463</b>
Capital Power GP Holdings Inc.	231.5
TransAlta Energy Marketing Corp.	231.5
<b>ME02 AltaGas Taber</b>	<b>8</b>
AltaGas Ltd.	8
<b>ME03 AltaGas Burdett</b>	<b>7</b>
AltaGas Ltd.	7
<b>ME04 AltaGas Coaldale</b>	<b>6</b>
AltaGas Ltd.	6
<b>MEG1 Christina Lake</b>	<b>202</b>
MEG Energy Corp.	202
<b>MKR1 Muskeg River</b>	<b>202</b>
ATCO Power Canada Ltd.	202
<b>MKRC MacKay River Cogeneration Plant</b>	<b>197</b>
TransCanada Energy Ltd	197
<b>NPC1 Northstone Elmworth</b>	<b>12</b>
Northstone Power Corp.	12
<b>NPP1 Constellation</b>	<b>93</b>
Constellation Energy Commodities Group, Inc.	93
<b>NRG3 NRGreen Cogen</b>	<b>19</b>
NRGreen Power	19
<b>NX01 Nexen Inc #1</b>	<b>120</b>
Nexen Inc.	120
<b>NX02 Nexen Inc. #2</b>	<b>220</b>
Nexen Inc.	220
<b>OMRH CUPC Oldman River</b>	<b>32</b>
ATCO Power Canada Ltd.	32

Unit - Control	MW
<b>PH1 Poplar Hill #1</b>	<b>48</b>
ATCO Power Canada Ltd.	48
<b>PR1 Primrose #1</b>	<b>100</b>
ATCO Power Canada Ltd.	100
<b>PW01 Minnehik-Buck Lake</b>	<b>5</b>
Keyera Partnership	5
<b>RB1 Rainbow #1</b>	<b>30</b>
ATCO Power Canada Ltd.	30
<b>RB2 Rainbow #2</b>	<b>40</b>
ATCO Power Canada Ltd.	40
<b>RB3 Rainbow #3</b>	<b>20</b>
ATCO Power Canada Ltd.	20
<b>RB5 Rainbow #5</b>	<b>50</b>
ATCO Power Canada Ltd.	50
<b>RL1 Rainbow Lake #1</b>	<b>47</b>
ATCO Power Canada Ltd.	47
<b>SCL1 Syncrude #1</b>	<b>100</b>
Syncrude Canada Ltd.	100
<b>SCR1 Poplar Creek</b>	<b>901</b>
Suncor Energy Inc.	525
TransAlta Energy Marketing Corp.	376
<b>SD1 Sundance #1</b>	<b>288</b>
TransCanada Energy Ltd	288
<b>SD2 Sundance #2</b>	<b>288</b>
TransCanada Energy Ltd	288
<b>SD3 Sundance #3</b>	<b>362</b>
TransCanada Energy Ltd	362
<b>SD4 Sundance #4</b>	<b>406</b>
TransAlta Energy Marketing Corp.	53
TransCanada Energy Ltd	353
<b>SD5 Sundance #5</b>	<b>406</b>
Capital Power GP Holdings Inc.	353
TransAlta Energy Marketing Corp.	53
<b>SD6 Sundance #6</b>	<b>389</b>
Capital Power GP Holdings Inc.	357
TransAlta Energy Marketing Corp.	32
<b>SH1 Sheerness #1</b>	<b>390</b>
TransCanada Energy Ltd	390
<b>SH2 Sheerness #2</b>	<b>390</b>
TransCanada Energy Ltd	390
<b>ST1 Sturgeon #1</b>	<b>8</b>
ATCO Power Canada Ltd.	8

Unit - Control	MW
<b>ST2 Sturgeon #2</b>	<b>8</b>
ATCO Power Canada Ltd.	8
<b>TAY1 Taylor Hydro 1</b>	<b>14</b>
Canadian Hydro Developers, Inc.	14
<b>TC01 Carseland Cogen</b>	<b>95</b>
TransCanada Energy Ltd	95
<b>TC02 Redwater Cogen</b>	<b>46</b>
TransCanada Energy Ltd	46
<b>TLM2 Talisman Edson</b>	<b>13</b>
Talisman Energy Canada	13
<b>Total Gen. &amp; SR</b>	<b>326</b>
Dow Chemical Canada ULC	326
<b>UOA1 UofA Generator</b>	<b>5</b>
University of Alberta	5
<b>UOC1 U of C Generator</b>	<b>12</b>
University of Calgary	12
<b>VVW1 Valley View 1</b>	<b>50</b>
ATCO Power Canada Ltd.	50
<b>VVW2 Valley View 2</b>	<b>50</b>
ATCO Power Canada Ltd.	50
<b>WEY1 Steam Turbine 48MW</b>	<b>48</b>
Weyerhaeuser Company Ltd.	48
<b>Grand Total</b>	<b>12838</b>



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