

Annual Report Of Registry Operations For 2017
Emissions Trading Regulation, Section 15
(Alberta Regulation 33 /2006)

Table 1: Annual Report of Registry Operations in Calendar Year 2017

(a) the number of emission credits issued;	11,742 of NO _x credits and 4,113 of SO ₂ credits.
(b) the number of emission credits that have been used for compliance purposes, retired, cancelled or otherwise extinguished;	1,412 NO ₂ and 2,208 SO ₂ credits were retired.
(c) the number of emission credits discounted and what that discount represents;	The total number of credits in the Registry that were subject to discount at of the end of 2017 (January 1, 2018) included all credits with a vintage of 2015 or earlier and that number is 71,084 NO _x credits and 37,711 SO ₂ credits. These credits are discounted by 10%. The 10% discount represents 7,108 tonnes of NO _x and 3,771 tonnes of SO ₂ .
(d) the number of transactions recorded by the registry;	No transactions were made.
(e) the aggregate balance of emission credits recorded by the registry;	73,516 NO _x credits and 37,711 SO ₂ credits (balance as of January 1, 2017).
(f) the aggregate mass balance of emission credits after discounting;	66,408 tonnes of NO _x and 33,940 tonnes of SO ₂ .



original signed

June 28, 2018

Marilea Pattison-Perry
 Director
 Alberta Environment and Parks

Date

Appendix A: Credits Issued in 2017 and Their Serial Numbers

EPEA	Company	Facility	Unit	2014 Nox	2014 SO2	2015 NOx	2015 SO2	G1 gen%	G2 gen%	ERROR	Start Serial Number	Start Serial Number	Total Entered
773	Capital Power	Genesee	Unit 1 AND 2	1322				0.507	0.493		N2014-000443	N2014-001111	669
773	Capital Power	Genesee	Unit 1	669.96							N2014-001112	N2014-001763	652
773	Capital Power	Genesee	Unit 2	652.04									
773	Capital Power	Genesee	Unit 1 AND 2		1389			0.507	0.493		S2014-000001	S2014-000703	703
773	Capital Power	Genesee	Unit 1		703.92						S2014-000704	S2014-001388	685
773	Capital Power	Genesee	Unit 2		685.08								
773	Capital Power	Genesee	Unit 1 AND 2			2003		0.481	0.519		N2015-000001	N2015-000963	963
773	Capital Power	Genesee	Unit 1			963.37					N2015-000964	N2015-002002	1039
773	Capital Power	Genesee	Unit 2			1039.63				963	S2015-000001	S2015-000963	963
773	Capital Power	Genesee	Unit 1 AND 2				2294	0.481	0.519				
773	Capital Power	Genesee	Unit 1				1103.33				S2015-000964	S2015-002066	1103
773	Capital Power	Genesee	Unit 2				1190.67				S2015-002067	S2015-003256	1190
773	Capital Power	Genesee	Unit 3	2073							N2014-001764	N2014-003836	2073
773	Capital Power	Genesee	Unit 3			2407					N2015-002003	N2015-004409	2407
773	Capital Power	Genesee	Unit 3							151	S2015-003257	S2015-003407	151
9830	TransAlta	Sundance	Unit 3				151				S2015-003618	S2015-003768	151
9830	TransAlta	Sundance	Unit 4							97	N2015-004410	N2015-004506	97
10324	TransAlta	Kepphills	Unit 1			993					S2015-003521	S2015-003617	993
10324	TransAlta	Kepphills	Unit 1				113				N2015-004507	N2015-005499	113
10324	TransAlta	Kepphills	Unit 2	576							S2015-003408	S2015-003520	576
10324	TransAlta	Kepphills	Unit 2			1025					N2014-003837	N2014-004412	1025
10324	TransAlta	Kepphills	Unit 2				69				N2015-005500	N2015-006524	69
10324	TransAlta	Kepphills	Unit 3	265							N2015-006525	N2015-006593	265
10324	TransAlta	Kepphills	Unit 3			351					N2014-004413	N2014-004677	351
136385	Enmax	Calgary Energy Centre	Unit 1	4							N2015-006594	N2014-004681	4
138365	Calgary Energy Centre	Calgary Energy Centre	Unit 1	107							N2014-004678	N2014-004788W	107
138365	Calgary Energy Centre	Calgary Energy Centre	Unit 1			108					N2014-004682W	N2014-004788W	108
246216	Enmax	Crossfield	Unit 2	2							N2015-006945W	N2015-007052W	2
246216	Enmax	Crossfield	Unit 2			1					N2014-004789	N2014-004790	1
262757	Enmax	Sheppard	Unit 1			505					N2015-007053	N2015-007053	505
			Total	4349	1389	7393	2724						

Appendix B: Registry Errata (as of June 2018)

Table B.1
Credits Created in Error

Start Serial Number	End Serial Number	Total	EPEA	Erroneously created by Alberta Environment to credit of this unit.	Year the error occurred.	Erroneously created credits retired to this account: "Alberta Environment – Erroneously Created" for year:
N2010-006131	N2010-006279	-149	9830	Sundance 3	2013	2013
N2006-000108	N2006-000112	-5	1512	Battle River 3	2010	2010
N2007-000047	N2007-000084	-38	1512	Battle River 3	2010	2010
N2008-000407	N2008-000526	-120	138365	Calgary Energy Centre	2010	2010
S2006-000001	S2006-000002	-2	1512	Battle 3	2010	2010
S2007-000001	S2007-000011	-11	1512	Battle 3	2010	2010
S2015-000001	S2015-000963	-963	773	Genesee 2	2017	2017
NS015-004410	N2015-004506	-97	9830	Sundance 4	2017	2017
S2015-003257	S2015-003407	-151	773	Genesee 3	2017	2017
N2015-007904w	N2015-007941w	-38	73899	Muskeg 2	2018	2018

Table B.2
Credits Retired For Correct Unit and Obligation But Wrong Compliance Year

Start of Credit Series	End of Credit Series	Number of Credits	Incorrect Retirement Year In Registry	Correct Retirement Year	In This Unit's Retirement Account
N2012-004109	N2012-004289	181	2013	2014	ATCO - 001512 Battle River - 3
N2013-002919	N2013-002956	38	2013	2014	ATCO - 001512 Battle River - 3
S2006-000003	S2006-000181	179	2007	2014	ATCO - 001512 Battle River - 3
S2006-000363	S2006-000999	637	2007	2014	ATCO - 001512 Battle River - 3
S2006-001000	S2006-001349	350	2007	2014	ATCO - 001512 Battle River - 3
S2007-000303	S2007-000999	697	2013	2014	ATCO - 001512 Battle River - 3
S2007-001000	S2007-001999	1000	2013	2014	ATCO - 001512 Battle River - 3
S2007-002000	S2007-002156	157	2013	2014	ATCO - 001512 Battle River - 3
S2008-002465	S2008-002704	240	2013	2014	ATCO - 001512 Battle River - 3
S2012-001582	S2012-002001	420	2013	2014	ATCO - 001512 Battle River - 3

Appendix C: Provisional Compliance Report



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June 23, 2017

**Re: Provisional Compliance Report For Calendar Year 2016
Emissions Trading Regulation, Section 55 (Alberta Regulation 33 /2006)**

The Registry Operator received two compliance reports under Section 55(2) of the Emissions Trading Regulation in 2017.

Milner Power with *Environmental Protection and Enhancement Act* (EPEA) approval 9814 and ATCO Power with EPEA approval 1512 used credits for compliance during the 2016 calendar year. Table 1 summarizes Milner Power's and ATCO's annual reports.

Table 1: Section 55 Reporting – Summary Compiled by Registry Operator for 2016

Approval	9814		1512			
Facility	HR Milner		Battle River			
EPEA Approval Holder	Milner Power Corp		ATCO			
Unit	1		3		4	
Generation (MWh)	312,115		18,679		325,380	
Substance	NOx	SO2	NOx	SO2	NOx	SO2
Emission Limit (kg/MWh)	0.47	0.65	0.47	0.65	0.47	0.65
Emissions (kilograms)	561,760	867,850	55,634	90,456	962,772	1,455,681
Actual Intensity (kg/MWh)	1.800	2.781	2.978	4.843	2.959	4.474
Credits Needed	415	665	46	78	809	1,244
Credits Retired (undiscounted)	461	738	52	87	899	1,383
Mass Value of Retired (tonnes)	415	665	46	78	809	1,244

This provisional assessment indicates that holders of EPEA approvals 9814 and 1512 likely retired sufficient credits to satisfy the requirements of their approvals in regard to annual NOx and SO2 emissions.

Original Signed

Kem Singh
Director and Registry Operator for the Emissions Trading Regulation
Alberta Environment and Parks

Appendix D: Requirements for the Annual Report of Registry Operations

Excerpt from Emissions Trading Regulation (AR 33 / 2006)

Annual report of registry operations

15 The registry operator must, on or before June 30 of each year, or any other date specified by the Minister, prepare and publish a report containing at least the following information in respect of the preceding year:

- (a) the number of emission credits issued;
- (b) the number of emission credits that have been used for compliance purposes, retired, cancelled or otherwise extinguished;
- (c) the number of emission credits discounted and what that discount represents;
- (d) the number of transactions recorded by the registry;
- (e) the aggregate balance of emission credits recorded in the registry.

