

## Annual Mine Financial Security Program Submissions

### 2017 Submissions for 2016 Reporting Year

#### 2017 Oil Sands Mines

As of September 28, 2017, the total cash deposits and letter of credit guarantees for oil sands mines held in the security fund under the Mine Financial Security (MFSP) Program amounted to \$939 252 679.

There was no variation in security compared with September 2016. For additional information, please see below:

EPEA <sup>1</sup> approval holder	Project name	EPEA <sup>1</sup> approval number	Financial security amount	2016 reporting year		
				Asset safety factor	Planned reclamation (ha)	Completed reclamation (ha)
Canadian Natural Resources Limited	Horizon Oil Sands	149968	\$61 200 000	43.70	72.0	77.4
Fort Hills Energy Corporation	Fort Hills Oil Sands	151469	\$38 958 605	4.50	0	0
Imperial Oil Resources Ventures Limited	Kearl Oil Sands	46586	\$64 655 000	9.80	0	0
Canadian Natural Upgrading Limited	Muskeg River Mine	20809	\$111 277 442	12.44	0	21.8
Canadian Natural Upgrading Limited	Jackpine Mine	153125	\$72 361 895	25.68	0	13.3
Suncor Energy Inc.	Base Operations	94	\$359 096 654	10.60	0	0
Syncrude Canada Ltd.	Mildred Lake, Aurora North/South	26	\$205 303 024	7.76	110	125.1
Total E&P Canada Ltd.	Joslyn North Mine	228044	\$ 26 400 059	N/A	N/A	N/A
<b>Total</b>			<b>\$939 252 679</b>			

<sup>1</sup> EPEA: Environmental Protection and Enhancement Act.

## 2017 Coal Mines

As of September 28, 2017, the total cash deposits and letter of credit guarantees for coal mines held in the security fund under the MFSP amounted \$452 471 941, compared with \$447 580 752 for September 2016. For additional information, please see below:

<b>EPEA approval holder</b>	<b>Project name</b>	<b>EPEA approval number</b>	<b>Financial security amount</b>
Prairie Mines and Royalty ULC	Paintearth & Vesta Mine	11364	\$12 792 752
Prairie Mines and Royalty ULC	Sheerness & Montgomery Mine	11876	\$15 930 486
Prairie Mines and Royalty ULC.	Coal Valley Mine	11066	\$73 798 969
Prairie Mines and Royalty ULC	Obed Coal Mine	10119	\$44 582 560
Prairie Mines and Royalty ULC	Gregg River Coal Mine	11903	\$1 780 124
Prairie Mines and Royalty ULC	Tent Mountain No. 3 Mine Coleman Plantsite	75621	\$382 035
Prairie Mines and Royalty ULC	Tent Mountain Coal Mine	47679	\$138 042
Grande Cache Coal Corporation	Grande Cache Coal Mine	155804	\$30 075 769
TransAlta Corporation	Whitewood Coal Mine	11851	\$1 283 400
TransAlta Corporation	Highvale Coal Mine	11187	\$118 528 645
Dodds Coal Mining Company Ltd.	Dodds Coal Mine and Handling Facility	220226	\$323 984
Dodds Coal Mining Company Ltd.	Dodds Reclamation	69353	\$28 528
Mancal Coal Inc.	Kipp Coal Mine Reclamation	11893	\$123 349
Cardinal River Coals Ltd.	Cardinal River	11767	\$60 792 643
Cardinal River Coals Ltd.	Cheviot Coal Mine	46972	\$49 553 544
Capital Power GP Holdings Inc.	Genesee Coal Mine	10404	\$42 045 043
Keephills Aggregate Company Ltd.	Kohut Pit	194463 <sup>1</sup>	\$238 542
Coalspur Mines (Operations) Ltd.	Vista Coal Mine	301345	\$73 526
		<b>Total</b>	<b>\$452 471 941</b>

<sup>1</sup> EPEA approval 194463 is expired.

## 2017 Coal and Oil Sands Mines

As of September 28, 2017, the total cash deposits and letter of credit guarantees for both oil sands mines and coal mines held in the security fund was \$1 391 724 620, compared with \$1 386 833 431 for September 2016.

## Annual Mine Financial Security Program Submissions

Mine Financial Security Program—2016 Mine Financial Security Program Submissions

### 2016 Oil Sands Mines

As of September 30, 2016, the total cash deposits and letter of credit guarantees for oil sands mines resulting from the Mine Financial Security Program held in the security fund was \$939 252 679. There was no variation in security compared with October 2015. For additional information, please see below:

EPEA approval holder	Project name	EPEA approval number	Financial security amount	Asset safety factor	Completed reclamation for 2015 (Ha)
Canadian Natural Resources Limited	Horizon Oil Sands	149968	\$61 200 000	32.40	36.32
Fort Hills Energy Corporation	Fort Hills Oil Sands	151469	\$38 958 605	9.00	0.00
Imperial Oil Resources Ventures Limited	Kearl Oil Sands	46586	\$64 655 000	8.40	4.90
Shell Canada Limited	Muskeg River Mine	20809	\$111 277 442	19.72	0.00
Shell Canada Limited	Jackpine Mine	153125	\$72 361 895	28.87	23.60
Suncor Energy Inc.	Base Operations	94	\$359 096 654	11.00	233.40
Synchrude Canada Ltd.	Mildred Lake, Aurora North/South	26	\$205 303 024	6.71	54.44
Total E&P Canada Ltd.	Joslyn North Mine	228044	\$ 26 400 059	N/A	N/A
<b>Total</b>			<b>\$939 252 679</b>		

### 2016 Coal Mines

As of September 30, 2016, the total cash deposits and letter of credit guarantees for coal mines resulting from the Mine Financial Security Program held in the security fund was \$447 580 752 compared with \$424 720 471 for October 2015. For additional information, please see below:

EPEA approval holder	Project name	EPEA approval number	Financial security amount
Carbon Development Corporation	Tofield Coal Mine	11889 <sup>1</sup>	\$25 000
Prairie Mines and Royalty ULC	Paintearth & Vesta Mine	11364	\$12 792 752
Prairie Mines and Royalty ULC	Sheerness & Montgomery Mine	11876	\$15 975 486
Coal Valley Resources Inc.	Coal Valley Mine	11066	\$73 798 696

<sup>1</sup> EPEA Approval 11889 is expired.

EPEA approval holder	Project name	EPEA approval number	Financial security amount
Coal Valley Resources Inc.	Obed Coal Mine	10119	\$44 582 560
Coal Valley Resources Inc.	Gregg River Coal Mine	11903	\$1 780 124
Coal Valley Resources Inc.	Tent Mountain No. 3 Mine Coleman Plantsite	75621	\$382 035
Coal Valley Resources Inc.	Tent Mountain Coal Mine	47679	\$138 042
Grande Cache Coal Corporation	Grande Cache Coal Mine	155804	\$29 843 155
TransAlta Corporation	Whitewood Coal Mine	11851	\$1 283 400
TransAlta Corporation	Highvale Coal Mine	11187	\$115 400 519
Dodds Coal Mining Company Ltd.	Dodds Coal Mine and Handling Facility	220226	\$323 984
Dodds Coal Mining Company Ltd.	Dodds Reclamation	69353	\$28 528
Mancal Coal Inc.	Kipp Coal Mine Reclamation	11893	\$493 000
Cardinal River Coals Ltd.	Cardinal River	11767	\$60 792 643
Cardinal River Coals Ltd.	Cheviot Coal Mine	46972	\$49 553 544
Capital Power GP Holdings Inc.	Genesee Coal Mine	10404	\$40 075 216
Keephills Aggregate Company Ltd.	Kohut Pit	194463 <sup>2</sup>	\$238 542
Coalspur Mines (Operations) Ltd.	Vista Coal Mine	301345	\$73 526
		<b>Total</b>	<b>\$447 580 752</b>

As of September 30, 2016, the total cash deposits and letter of credit guarantees for both oil sands mines and coal mines resulting from the Mine Financial Security Program held in the security fund was \$1 386 833 431 compared with \$1 363 973 150 for October 2015.

<sup>2</sup> EPEA Approval 194463 is expired.

## Annual Mine Financial Security Program Submissions

Mine Financial Security Program—2015 Mine Financial Security Program Submissions

### 2015 Oil Sands Mines

As of October 31, 2015, the total cash deposits and letter of credit guarantees for oil sands mines resulting from the Mine Financial Security Program held in the security fund was \$939 252 679 compared with \$1 114 595 832 for October 2014. For additional information please see below:

EPEA approval holder	Project name	EPEA approval number	Financial security amount	Asset safety factor	Planned reclamation for 2015
Canadian Natural Resources Limited	Horizon Oil Sands	149968	\$61 200 000	35.70	76.9
Fort Hills Energy Corporation	Fort Hills Oil Sands	151469	\$38 958 605	10.00	0
Imperial Oil Resources Ventures Limited	Kearl Oil Sands	46586	\$64 655 000	13.40	0
Shell Canada Limited	Muskeg River Mine	20809	\$111 277 442	43.06	0
Shell Canada Limited	Jackpine Mine	153125	\$72 361 895	49.99	0
Suncor Energy Inc.	Base Operations	94	\$359 096 654	15.49	220
Syncrude Canada Ltd.	Mildred Lake, Aurora North/ South	26	\$205 303 024	11.38	75
Total E&P Canada Ltd.	Joslyn North Mine	228044	\$ 26 400 059	N/A	N/A
<b>Total</b>			<b>\$939 252 679</b>		

### 2015 Coal Mines

As of October 31, 2015, the total cash deposits and letter of credit guarantees for coal mines resulting from the Mine Financial Security Program held in the security fund was \$424 720 471 compared with \$403 378 275 for October 2014. For additional information please see below:

EPEA approval holder	Project name	EPEA approval number	Financial security amount
Carbon Development Corporation	Tofield Coal Mine	11889 <sup>1</sup>	\$25 000
Prairie Mines and Royalty ULC	Paintearth & Vesta Mine	11364	\$12 792 752
Prairie Mines and Royalty ULC	Sheerness & Montgomery Mine	11876	\$13 561 651
Coal Valley Resources Inc.	Coal Valley Mine	11066	\$69 379 273

<sup>1</sup> EPEA Approval 11889 is expired.

EPEA approval holder	Project name	EPEA approval number	Financial security amount
Coal Valley Resources Inc.	Obed Coal Mine	10119	\$44 582 560
Coal Valley Resources Inc.	Gregg River Coal Mine	11903	\$1 780 124
Coal Valley Resources Inc.	Tent Mountain No. 3 Mine Coleman Plantsite	75621	\$374 544
Coal Valley Resources Inc.	Tent Mountain Coal Mine	47679	\$135 335
Grande Cache Coal Corporation	Grande Cache Coal Mine	155804	\$29 282 735
TransAlta Corporation	Whitewood Coal Mine	11851	\$881 551
TransAlta Corporation	Highvale Coal Mine	11187	\$113 761 744
Dodds Coal Mining Company Ltd.	Dodds Coal Mine and Handling Facility	220226	\$323 984
Dodds Coal Mining Company Ltd.	Dodds Reclamation	69353	\$28 528
Mancal Coal Inc.	Kipp Coal Mine Reclamation	11893	\$493 000
Cardinal River Coals Ltd.	Cardinal River	11767	\$54 804 024
Cardinal River Coals Ltd.	Cheviot Coal Mine	46972	\$43 237 867
Capital Power GP Holdings Inc.	Genesee Coal Mine	10404	\$39 053 315
Keephills Aggregate Company Ltd.	Kohut Pit	194463 <sup>2</sup>	\$148 958
Coalspur Mines (Operations) Ltd.	Vista Coal Mine	301345	\$73 526
		<b>Total</b>	<b>\$424 720 471</b>

As of October 31, 2015, the total cash deposits and letter of credit guarantees for both oil sands mines and coal mines resulting from the Mine Financial Security Program held in the security fund was \$1 363 973 150 compared with \$1 517 974 107 for October 2014.

<sup>2</sup> EPEA Approval 194463 is expired.

## Annual Mine Financial Security Program Submissions

Mine Financial Security Program—2014 Mine Financial Security Program Submissions

### 2014 Oil Sands Mines

As of August 31, 2014, the total cash deposits and letter of credit guarantees for oil sands mines resulting from the Mine Financial Security Program held in the security fund was \$1 170 372 814 compared with \$1 020 927 283 for 2013. For additional information please see below:

EPEA approval holder	Project name	EPEA approval number	Financial security amount	Asset safety factor	Planned reclamation for 2014
Canadian Natural Resources Limited	Horizon Oil Sands	149968	\$61 200 000	37.00	0.0
Fort Hills Energy Corporation	Fort Hills Oil Sands	151469	\$272 121 308	N/A	N/A
Imperial Oil Resources Ventures Limited	Kearl Oil Sands	46586	\$64 655 000	11.30	30.0
Shell Canada Limited	Muskeg River Mine	20809	\$111 277 442	78.40	19.2
Shell Canada Limited	Jackpine Mine	153125	\$72 361 895	107.31	0.0
Suncor Energy Inc.	Base Operations	94	\$359 096 654	24.67	148.7
Syncrude Canada Ltd.	Mildred Lake, Aurora North/ South	26	\$205 303 024	16.40	62.0
Total E&P Canada Ltd.	Joslyn North Mine	228044	\$24 357 491	N/A	N/A
<b>Total</b>			<b>\$1 170 372 814</b>		

### 2014 Coal Mines

As of August 31, 2014, the total cash deposits and letter of credit guarantees for coal mines resulting from the Mine Financial Security Program held in the security fund was \$403 378 419 compared with \$389 688 903 for 2013. For additional information please see below:

EPEA approval holder	Project name	EPEA approval number	Financial security amount	Asset safety factor	Planned reclamation for 2014
Carbon Development Corporation	Tofield Coal Mine	11889 <sup>1</sup>	\$25 000	N/A	N/A
Prairie Mines and Royalty ULC	Paintearth & Vesta Mine	11364	\$12 244 069	N/A	N/A

<sup>1</sup> EPEA Approval 11889 is expired.

EPEA approval holder	Project name	EPEA approval number	Financial security amount	Asset safety factor	Planned reclamation for 2014
Prairie Mines and Royalty ULC	Sheerness & Montgomery Mine	11876	\$13 393 231	N/A	N/A
Coal Valley Resources Inc.	Coal Valley Mine	11066	\$62 597 835	N/A	N/A
Coal Valley Resources Inc.	Obed Coal Mine	10119	\$38 994 586	N/A	N/A
Coal Valley Resources Inc.	Gregg River Coal Mine	11903	\$1 745 220	N/A	N/A
Coal Valley Resources Inc.	Tent Mountain No. 3 Mine Coleman Plantsite	75621	\$367 200	N/A	N/A
Coal Valley Resources Inc.	Tent Mountain Coal Mine	47679	\$132 682	N/A	N/A
Grande Cache Coal Corporation	Grande Cache Coal Mine	155804	\$29 282 735	N/A	N/A
TransAlta Corporation	Whitewood Coal Mine	11851	\$881 551	N/A	N/A
TransAlta Corporation	Highvale Coal Mine	11187	\$113 761 744	N/A	N/A
Dodds Coal Mining Company Ltd.	Dodds Coal Mine and Handling Facility	220226	\$323 984	N/A	N/A
Dodds Coal Mining Company Ltd.	Dodds Reclamation	69353	\$28 528	N/A	N/A
Mancal Coal Inc.	Kipp Coal Mine Reclamation	11893	\$493 000	N/A	N/A
Cardinal River Coals Ltd.	Cardinal River	11767	\$51 318 792	N/A	N/A
Cardinal River Coals Ltd.	Cheviot Coal Mine	46972	\$39 204 066	N/A	N/A
Capital Power GP Holdings Inc.	Genesee Coal Mine	10404	\$38 361 568	N/A	N/A
Keephills Aggregate Company Ltd.	Kohut Pit	194463 <sup>2</sup>	\$149 102	N/A	N/A
Coalspur Mines (Operations) Ltd.	Vista Coal Mine	301345	\$73 526	N/A	N/A
<b>Total</b>			<b>\$403 378 419</b>		

As of August 31, 2014, the total cash deposits and letter of credit guarantees for both oil sands mines and coal mines resulting from the Mine Financial Security Program held in the security fund was \$1 573 751 233 compared with \$1 410 616 186 for 2013.

<sup>2</sup> EPEA Approval 194463 is expired.