

TRANSALTA CORP  
Form SC 13D/A  
February 14, 2008

SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549

SCHEDULE 13D  
(Amendment No. 6)\*

Under the Securities Exchange Act of 1934

TransAlta Corporation

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(Name of Issuer)

Common Shares, no par value

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(Title of Class of Securities)

89346D107

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(CUSIP Number)

John Staikos  
Senior Vice President and General Counsel  
LS Power Equity Advisors, LLC  
1700 Broadway, 35th Floor  
New York, New York 10019  
212-615-3441

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(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

February 13, 2008

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(Date of Event Which Requires Filing of this Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of sections 240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box. [ ]

Note: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See Section 240.13d-7 for other parties to whom copies are to be sent.

(Continued on followings pages)

(Page 1 of 12 Pages)

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\* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934, as amended (the "Exchange Act") or otherwise subject to the liabilities of that section of the Exchange Act but shall be subject to all other provisions of the Exchange Act (however, see the Notes).

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CUSIP No. 89346D107

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1. Names of Reporting Persons.

LSP Penn Holdings, LLC

2. Check the Appropriate Box if a Member of a Group (See Instructions)

(a)

(b)

3. SEC USE ONLY

4. Source of Funds (See Instructions)

WC

5. Check if Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e)

6. Citizenship or Place of Organization

Delaware

Number of  
Shares  
Beneficially  
Owned by  
Each  
Reporting  
Person with

7.

Sole Voting Power

0

8.

Shared Voting Power

16,782,400

9.

Sole Dispositive Power

0

10.

Shared Dispositive Power

16,782,400

11. Aggregate Amount Beneficially Owned by Each Reporting Person

16,782,400

12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions)

13. Percent of Class Represented by Amount in Row (11)

8.3%

14. Type of Reporting Person (See Instructions)

OO

CUSIP No. 89346D107

13D

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1. Names of Reporting Persons.

LSP Penn Holdings II, LLC

2. Check the Appropriate Box if a Member of a Group (See Instructions)

(a)

(b)

3. SEC USE ONLY

4. Source of Funds (See Instructions)

WC

5. Check if Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e)

6. Citizenship or Place of Organization

Delaware

Number of  
Shares  
Beneficially  
Owned by  
Each  
Reporting  
Person with

7.

Sole Voting Power

0

8.

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9.

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8.3%

14. Type of Reporting Person (See Instructions)

OO

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13D

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1. Names of Reporting Persons.

LS Power Partners, L.P.

2. Check the Appropriate Box if a Member of a Group (See Instructions)

(a)

(b)

3. SEC USE ONLY

4. Source of Funds (See Instructions)

WC

5. Check if Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e)

6. Citizenship or Place of Organization

Delaware

Number of  
Shares  
Beneficially  
Owned by  
Each  
Reporting  
Person with

7.

Sole Voting Power

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8.3%

14. Type of Reporting Person (See Instructions)

PN

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13D

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1. Names of Reporting Persons.

LS Power Partners II, L.P.

2. Check the Appropriate Box if a Member of a Group (See Instructions)

(a)

(b)

3. SEC USE ONLY

4. Source of Funds (See Instructions)

WC

5. Check if Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e)

6. Citizenship or Place of Organization

Delaware

Number of  
Shares  
Beneficially  
Owned by  
Each  
Reporting  
Person with

7.

Sole Voting Power

0

8.

Shared Voting Power

16,782,400

9.

Sole Dispositive Power

0

10.

Shared Dispositive Power

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12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions)

13. Percent of Class Represented by Amount in Row (11)

8.3%

14. Type of Reporting Person (See Instructions)

PN

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13D

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1. Names of Reporting Persons.

Luminus Management, LLC

2. Check the Appropriate Box if a Member of a Group (See Instructions)

(a)

(b)

3. SEC USE ONLY

4. Source of Funds (See Instructions)

WC

5. Check if Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e)

6. Citizenship or Place of Organization

Delaware

Number of  
Shares  
Beneficially  
Owned by  
Each  
Reporting  
Person with

7.

Sole Voting Power

0

8.

Shared Voting Power

16,782,400

9.

Sole Dispositive Power

0

10.

Shared Dispositive Power

16,782,400

11. Aggregate Amount Beneficially Owned by Each Reporting Person

16,782,400

12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions)

13. Percent of Class Represented by Amount in Row (11)

8.3%

14. Type of Reporting Person (See Instructions)

PN

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1. Names of Reporting Persons.

Luminus Asset Partners, L.P.

2. Check the Appropriate Box if a Member of a Group (See Instructions)

(a)

(b)

3. SEC USE ONLY

4. Source of Funds (See Instructions)

WC

5. Check if Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e)

6. Citizenship or Place of Organization

Delaware

Number of  
Shares  
Beneficially  
Owned by  
Each  
Reporting  
Person with

7.

Sole Voting Power

0

8.

Shared Voting Power

16,782,400

9.

Sole Dispositive Power

0

10.

Shared Dispositive Power

16,782,400

11. Aggregate Amount Beneficially Owned by Each Reporting Person

16,782,400

12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions)

13. Percent of Class Represented by Amount in Row (11)

8.3%

14. Type of Reporting Person (See Instructions)

PN



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1. Names of Reporting Persons.  
Luminus Energy Partners Master Fund, Ltd.
  2. Check the Appropriate Box if a Member of a Group (See Instructions)  
(a)    
(b)
  3. SEC USE ONLY
  4. Source of Funds (See Instructions)  
WC
  5. Check if Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e) [ ]
  6. Citizenship or Place of Organization  
Bermuda

Number of Shares Beneficially Owned by Each Reporting Person with	7.	Sole Voting Power	0
	8.	Shared Voting Power	16,782,400
	9.	Sole Dispositive Power	0
	10.	Shared Dispositive Power	16,782,400

  11. Aggregate Amount Beneficially Owned by Each Reporting Person  
16,782,400
  12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions) [ ]
  13. Percent of Class Represented by Amount in Row (11)  
8.3%
  14. Type of Reporting Person (See Instructions)  
OO
-

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1. Names of Reporting Persons.

LPCO Investments S.a.r.l.

2. Check the Appropriate Box if a Member of a Group (See Instructions)

(a)

(b)

3. SEC USE ONLY

4. Source of Funds (See Instructions)

OO

5. Check if Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e)

6. Citizenship or Place of Organization

Luxembourg

Number of  
Shares  
Beneficially  
Owned by  
Each  
Reporting  
Person with

7.

Sole Voting Power

0

8.

Shared Voting Power

16,782,400

9.

Sole Dispositive Power

0

10.

Shared Dispositive Power

16,782,400

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16,782,400

12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions)

13. Percent of Class Represented by Amount in Row (11)

8.3%

14. Type of Reporting Person (See Instructions)

OO

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This Amendment No. 6 (this "Amendment") amends and supplements the Schedule 13D initially filed on June 27, 2007 (the "Original Filing") and subsequently amended by the Reporting Persons relating to the Common Shares, no par value (the "Shares"), of TransAlta Corporation, a corporation incorporated under the Canada Business Corporations Act (the "Issuer"). Information reported in the Original Filing remains in effect except to the extent that it is amended, restated or superseded by information contained in this Amendment or any previously filed amendments. Capitalized terms used but not defined in this Amendment have the respective meanings set forth in the Original Filing.

Item 4. Purpose of Transaction.

Item 4 is hereby amended and supplemented as follows:

On February 13, 2008, certain of the Reporting Persons issued a press release commenting on a recent report by Standard & Poor's relating to the Issuer.

A copy of the press release is included as Exhibit 7.6 hereto and is incorporated herein by reference.

Item 7. Material to be Filed as Exhibits.

Exhibit Number	Description
7.6	Press release, dated February 13, 2008

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SIGNATURE

After reasonable inquiry and to the best of the knowledge and belief of the undersigned, the undersigned certifies that the information set forth herein is true, complete and correct.

Dated: February 14, 2008

LSP Penn Holdings, LLC

By: /s/ Darpan Kapadia  
Name: Darpan Kapadia  
Title: Managing Director

LSP Penn Holdings II, LLC

By: /s/ Darpan Kapadia  
Name: Darpan Kapadia  
Title: Managing Director

LS Power Partners, L.P.

By: /s/ Darpan Kapadia  
Name: Darpan Kapadia  
Title: Managing Director

LS Power Partners II, L.P.

By: /s/ Darpan Kapadia  
Name: Darpan Kapadia  
Title: Managing Director

Luminus Management, LLC

By:	/s/ Paul Segal
Name:	Paul Segal
Title:	President

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Luminus Asset Partners, L.P.

By: /s/ Paul Segal  
Name: Paul Segal  
Title: President

Luminus Energy Partners Master Fund, Ltd.

By: /s/ Paul Segal  
Name: Paul Segal  
Title: Director

LPCO Investments S.à.r.l.

By: Paul Segal, as attorney-in-fact

By: /s/ Paul Segal  
Name: Paul Segal