DYNEGY INC. Form SC 13D/A May 17, 2010

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

SCHEDULE 13D

(Amendment No. 5)

Under the Securities Exchange Act of 1934

Dynegy Inc.
(Name of Issuer)

Class A Common Stock, par value \$0.01 per share
(Title of Class of Securities)

26817G102
(CUSIP Number)

David A. Kurzweil

Latham & Watkins LLP

885 Third Avenue

New York, New York 10022
(212) 906-1200
(Name, Address and Telephone Number of Person Authorized to

Receive Notices and Communications)
May 14, 2010
(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 which is subject of this Schedule 13D, and is filing this statement because of Rule 13d-1(e), 13d-1(f) or 13d-1(g), check the following box. o

* 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 (Act) or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

CUSIP No.

Person

0

26817G102

Name of Reporting Person: 1. LS Power Development, LLC Check The Appropriate Box If A Member of Group (See Instructions): 2. (a) o (b) o SEC Use Only: **3.** Source of Funds: 4. OO Check Box If Disclosure of Legal Proceedings is Required Pursuant to Items 2(d) or 2(e) 5. o Citizenship or Place of Organization 6. Delaware Sole Voting Power: 7. Number of 0 Shares Shared Voting Power: 8. Beneficially Owned By 55,907,311 Each Sole Dispositive Power: **09.** Reporting

With: Shared Dispositive Power: **10.** 55,907,311 Aggregate Amount Beneficially Owned By Each Reporting Person: 11. 55,907,311 Check Box if The Aggregate Amount In Row (11) Excludes Certain Shares (See Instructions): **12.** o Percent Of Class Represented By Amount In Row (11): **13.** 9.3%* Type of Reporting Person 14. 00 *As reported in the Issuer s Quarterly Report on Form 10-Q filed on May 10, 2010. Page 2 of 14

CUSIP No. 26817G102 Name of Reporting Person: 1. LS Power Partners, L.P. Check The Appropriate Box If A Member of Group (See Instructions): 2. (a) o (b) o SEC Use Only: **3.** Source of Funds: 4. OO Check Box If Disclosure of Legal Proceedings is Required Pursuant to Items 2(d) or 2(e) 5. o Citizenship or Place of Organization 6. Delaware Sole Voting Power: 7. Number of 0 Shared Voting Power: Shares 8. Beneficially Owned By 47,876,014 Each Sole Dispositive Power: **09.** Reporting

Person

0

With: Shared Dispositive Power: **10.** 47,876,014 Aggregate Amount Beneficially Owned By Each Reporting Person: 11. 47,876,014 Check Box if The Aggregate Amount In Row (11) Excludes Certain Shares (See Instructions): **12.** o Percent Of Class Represented By Amount In Row (11): **13.** 8.0%* Type of Reporting Person 14. PN *As reported in the Issuer s Quarterly Report on Form 10-Q filed on May 10, 2010. Page 3 of 14

CUSIP No. 26817G102 Name of Reporting Person: 1. LS Power Associates, L.P. Check The Appropriate Box If A Member of Group (See Instructions): 2. (a) o (b) o SEC Use Only: **3.** Source of Funds: 4. OO Check Box If Disclosure of Legal Proceedings is Required Pursuant to Items 2(d) or 2(e) 5. o Citizenship or Place of Organization 6. Delaware Sole Voting Power: 7. Number of 0 Shares Shared Voting Power: 8. Beneficially Owned By 8,031,297 Each Sole Dispositive Power: **09.** Reporting

Person

0

With: Shared Dispositive Power: **10.** 8,031,297 Aggregate Amount Beneficially Owned By Each Reporting Person: 11. 8,031,297 Check Box if The Aggregate Amount In Row (11) Excludes Certain Shares (See Instructions): **12.** o Percent Of Class Represented By Amount In Row (11): **13.** 1.3%* Type of Reporting Person 14. PN *As reported in the Issuer s Quarterly Report on Form 10-Q filed on May 10, 2010. Page 4 of 14

CUSIP No.

Person

0

26817G102

Name of Reporting Person: 1. LS Power Equity Partners, L.P. Check The Appropriate Box If A Member of Group (See Instructions): 2. (a) o (b) o SEC Use Only: **3.** Source of Funds: 4. OO Check Box If Disclosure of Legal Proceedings is Required Pursuant to Items 2(d) or 2(e) 5. o Citizenship or Place of Organization 6. Delaware Sole Voting Power: 7. Number of 0 Shares Shared Voting Power: 8. Beneficially Owned By 28,795,113 Each Sole Dispositive Power: **09.** Reporting

With: Shared Dispositive Power: **10.** 28,795,113 Aggregate Amount Beneficially Owned By Each Reporting Person: 11. 28,795,113 Check Box if The Aggregate Amount In Row (11) Excludes Certain Shares (See Instructions): **12.** o Percent Of Class Represented By Amount In Row (11): **13.** 4.8%* Type of Reporting Person 14. PN *As reported in the Issuer s Quarterly Report on Form 10-Q filed on May 10, 2010. Page 5 of 14

CUSIP No.

Person

0

26817G102

Name of Reporting Person: 1. LS Power Equity Partners PIE I, L.P. Check The Appropriate Box If A Member of Group (See Instructions): 2. (a) o (b) o SEC Use Only: **3.** Source of Funds: 4. OO Check Box If Disclosure of Legal Proceedings is Required Pursuant to Items 2(d) or 2(e) 5. o Citizenship or Place of Organization 6. Delaware Sole Voting Power: 7. Number of 0 Shared Voting Power: Shares 8. Beneficially Owned By 17,460,610 Each Sole Dispositive Power: **09.** Reporting

With: Shared Dispositive Power: **10.** 17,460,610 Aggregate Amount Beneficially Owned By Each Reporting Person: 11. 17,460,610 Check Box if The Aggregate Amount In Row (11) Excludes Certain Shares (See Instructions): **12.** o Percent Of Class Represented By Amount In Row (11): **13.** 2.9%* Type of Reporting Person 14. PN *As reported in the Issuer s Quarterly Report on Form 10-Q filed on May 10, 2010. Page 6 of 14

CUSIP No. 26817G102 Name of Reporting Person: 1. LSP Gen Investors, L.P. Check The Appropriate Box If A Member of Group (See Instructions): 2. (a) o (b) o SEC Use Only: **3.** Source of Funds: 4. OO Check Box If Disclosure of Legal Proceedings is Required Pursuant to Items 2(d) or 2(e) 5. o Citizenship or Place of Organization 6. Delaware Sole Voting Power: 7. Number of 0 Shares Shared Voting Power: 8. Beneficially Owned By 685,187 Each Sole Dispositive Power: **09.** Reporting

Person

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With: Shared Dispositive Power: **10.** 685,187 Aggregate Amount Beneficially Owned By Each Reporting Person: 11. 685,187 Check Box if The Aggregate Amount In Row (11) Excludes Certain Shares (See Instructions): **12.** o Percent Of Class Represented By Amount In Row (11): **13.** 0.1%* Type of Reporting Person 14. PN *As reported in the Issuer s Quarterly Report on Form 10-Q filed on May 10, 2010. Page 7 of 14

CUSIP No. 26817G102 Name of Reporting Person: 1. Mikhail Segal Check The Appropriate Box If A Member of Group (See Instructions): 2. (a) o (b) o SEC Use Only: **3.** Source of Funds: 4. OO Check Box If Disclosure of Legal Proceedings is Required Pursuant to Items 2(d) or 2(e) 5. o Citizenship or Place of Organization 6. **United States** Sole Voting Power: 7. Number of 0 Shares Shared Voting Power: 8. Beneficially Owned By 55,907,311 Each Sole Dispositive Power: **09.** Reporting

Person

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With: Shared Dispositive Power: **10.** 55,907,311 Aggregate Amount Beneficially Owned By Each Reporting Person: 11. 55,907,311 Check Box if The Aggregate Amount In Row (11) Excludes Certain Shares (See Instructions): **12.** o Percent Of Class Represented By Amount In Row (11): **13.** 9.3%* Type of Reporting Person 14. IN *As reported in the Issuer s Quarterly Report on Form 10-Q filed on May 10, 2010. Page 8 of 14

This Amendment No. 5 amends the statement on Schedule 13D filed on December 10, 2009 and amended on March 22, 2010, April 2, 2010, April 20, 2010 and April 30, 2010 (the Schedule 13D), by and on behalf of the Reporting Persons relating to the Class A Common Stock of Dynegy Inc. Capitalized terms used but not defined in this Amendment No. 5 shall have the same meanings herein as are ascribed to such terms in the Schedule 13D. This Amendment No. 5 reports beneficial ownership of the Issuer s Class A Common Stock as of May 14, 2010.

Item 5. Interest in Securities of the Issuer.

The information set forth in Item 5 is hereby amended and supplemented with the following:

(a) and (b) The information contained on the cover pages to this Schedule 13D and Item 3 is incorporated herein by reference.

As of May 14, 2010, the Reporting Persons held a total of 55,907,311 shares of the Issuer s Class A Common Stock. Of these shares, LSP Partners directly holds 935,104 shares, LSP Associates directly holds 8,031,297 shares, LSPEP directly holds 28,795,113 shares, PIE I directly holds 17,460,610 shares, and Gen Investors directly holds 685,187 shares. As a result of its relationship with LSPEP, PIE I and Gen Investors, LSP Partners may be deemed the beneficial owner of 47,876,014 shares of Class A Common Stock, representing approximately 8.0% of the outstanding shares of Class A Common Stock as reported in the Issuer s Quarterly Report on Form 10-Q filed on May 10, 2010. As a result of its relationship with LSP Partners and LSP Associates, LSP Development may be deemed the beneficial owner of 55,907,311 shares of Class A Common Stock, representing approximately 9.3% of the outstanding shares of Class A Common Stock as calculated in the previous sentence. As a result of his position, Mikhail Segal may be deemed to control LSP Development and to have shared beneficial ownership of 55,907,311 shares of Class A Common Stock, representing approximately 9.3% of the outstanding shares of Class A Common Stock, representing approximately 9.3% of the outstanding shares of Class A Common Stock, representing approximately 9.3% of the outstanding shares of Class A Common Stock, representing approximately 9.3% of the outstanding shares of Class A Common Stock as calculated above.

- (c) Please see Annex A for a list of transactions in the Issuer s Class A Common Stock from April 30, 2010 to May 14, 2010. All of the transactions reported on Annex A were executed through brokers and settled through facilities of The Depository Trust & Clearing Corporation (DTCC).
 - (d) Not applicable.
 - (e) Not applicable.

Item 7. Material to be Filed as Exhibits.

1. Joint Filing Agreement, dated as of December 10, 2009, by and among the Reporting Persons. (incorporated by reference to Exhibit 1 to the Reporting Persons Schedule 13D filed on December 10, 2009).

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- 2. Purchase and Sale Agreement, dated as of August 9, 2009, among LS Power Partners, L.P., LS Power Associates, L.P., LS Power Equity Partners, L.P., LS Power Equity Partners PIE I, L.P., LSP Gen Investors, L.P., Port River, LLC, Valley Road, LLC, Dos Rios, LLC, Dynegy Inc., Dynegy Gen Finance Co, LLC, Southwest Power Partners, LLC, Riverside Generation, Inc., Dynegy Renaissance Power, Inc., Bluegrass Generation, Inc., Dynegy Midwest Generation, Inc., RRP Company, Dynegy Power Services, Inc., and Dynegy Falcon Holdings Inc. (incorporated by reference to Exhibit 2.1 to the Issuer s Form 8-K filed with the Securities and Exchange Commission on August 13, 2009).
- 3. Amendment No. 1 to the Purchase and Sale Agreement, dated as of November 25, 2009, by and among LS Power Partners, L.P., LS Power Associates, L.P., LS Power Equity Partners, L.P., LS Power Equity Partners PIE I, L.P., LSP Gen Investors, L.P., Port River, LLC, Valley Road, LLC, Dos Rios, LLC, Dynegy Inc., Dynegy Gen Finance Co, LLC, Southwest Power Partners, LLC, Riverside Generation, Inc., Dynegy Renaissance Power, Inc., Bluegrass Generation, Inc., Dynegy Midwest Generation, Inc., RRP Company, Dynegy Power Services, Inc., and Dynegy Falcon Holdings Inc. (incorporated by reference to Exhibit 2.1 to the Issuer s Form 8-K filed with the Securities and Exchange Commission on December 1, 2009).
- 4. Shareholder Agreement, dated as of August 9, 2009, among Dynegy Inc. and LS Power Partners, L.P., LS Power Associates, L.P., LS Power Equity Partners, L.P., LS Power Equity Partners PIE I, L.P., and LSP Gen Investors, L.P. (incorporated by reference to Exhibit 10.1 to the Issuer s Form 8-K filed with the Securities and Exchange Commission on August 13, 2009).
- 5. Amendment No. 1 to the Registration Rights Agreement dated September 14, 2006 by and between Dynegy Inc. and LS Power Partners, L.P., LS Power Associates, L.P., LS Power Equity Partners, L.P., LS Power Equity Partners PIE I, L.P., and LSP Gen Investors, L.P. (incorporated by reference to Exhibit 10.2 to the Issuer s Form 8-K filed with the Securities and Exchange Commission on August 13, 2009).
- 6. Registration Rights Agreement, dated as of September 14, 2006, among Dynegy Acquisition, Inc., LS Power Partners, L.P., LS Power Associates, L.P., LS Power Equity Partners, L.P., LS Power Equity Partners PIE I, L.P. and LSP Gen Investors, L.P. (incorporated by reference to Exhibit 4.2 to the Current Report on Form 8-K of Dynegy Inc. filed on September 19, 2006, File No. 1-15659).

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SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: May 17, 2010

LS POWER DEVELOPMENT 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 ASSOCIATES, L.P.

By: LS Power Development, LLC, its General Partner

By: /s/ Darpan Kapadia

Name: Darpan Kapadia Title: Managing Director

LS POWER EQUITY PARTNERS, L.P.

By: LS Power Partners, L.P., its General Partner

By: /s/ Darpan Kapadia

Name: Darpan Kapadia Title: Managing Director

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LS POWER EQUITY PARTNERS PIE I, L.P.

By: LS Power Partners, L.P., its General Partner

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

LSP GEN INVESTORS, L.P.

By: LS Power Partners, L.P., its General Partner

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

MIKHAIL SEGAL

/s/ Mikhail Segal

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ANNEX A Transactions in Dynegy Inc. Class A Common Stock April 30, 2010 to May 14, 2010

LS Power Associates, L.P.

| | | | Avg. Price per | |
|------------------------------------|-----------------------|--------------------|----------------------|--|
| Date of Transaction | Nature of Transaction | Number of Shares | Share | |
| April 30, 2010 | SELL | 69,200 | \$1.3556 | |
| May 3, 2010 | SELL | 35,703 | \$1.3414 | |
| May 4, 2010 | SELL | 74,660 | \$1.3098 | |
| May 5, 2010 | SELL | 181,366 | \$1.2994 | |
| May 6, 2010 | SELL | 130,550 | \$1.2683 | |
| May 7, 2010 | SELL | 44,178 | \$1.2185 | |
| May 10, 2010 | SELL | 105,874 | \$1.3208 | |
| May 11, 2010 | SELL | 118,981 | \$1.3149 | |
| May 12, 2010 | SELL | 53,658 | \$1.3064 | |
| May 13, 2010 | SELL | 61,802 | \$1.3385 | |
| May 14, 2010 | SELL | 74,128 | \$1.3040 | |
| LS Power Equity Partners, L.P. | | | | |
| April 30, 2010 | SELL | 248,109 | \$1.3556 | |
| May 3, 2010 | SELL | 128,010 | \$1.3414 | |
| May 4, 2010 | SELL | 267,681 | \$1.3098 | |
| May 5, 2010 | SELL | 650,262 | \$1.2994 | |
| May 6, 2010 | SELL | 468,070 | \$1.2683 | |
| May 7, 2010 | SELL | 158,392 | \$1.2185 | |
| May 10, 2010 | SELL | 379,597 | \$1.3208 | |
| May 11, 2010 | SELL | 426,593 | \$1.3149 | |
| May 12, 2010 | SELL | 192,382 | \$1.3064 | |
| May 13, 2010 | SELL | 221,584 | \$1.3385 | |
| May 14, 2010 | SELL | 265,775 | \$1.3040 | |
| LS Power Equity Partners PIE I, L. | Р. | | | |
| A mil 20, 2010 | CELI | 150 447 | ¢ 1 2556 | |
| April 30, 2010 | SELL SELL | 150,447 77,622 | \$1.3556 \$1.3414 | |
| May 3, 2010 | SELL | · · | | |
| May 4, 2010 | SELL | 162,316 | \$1.3098 \$1.2004 | |
| May 5, 2010 May 6, 2010 | SELL | 394,302 283,826 | \$1.2994 \$1.2683 | |
| May 7, 2010 | SELL | 96,045 | \$1.2085 | |
| • | SELL | * | | |
| May 10, 2010 May 11, 2010 | SELL | 230,178 258,674 | \$1.3208 \$1.3149 | |
| May 12, 2010 May 12, 2010 | SELL | 116,656 | \$1.3064 | |
| May 13, 2010 | SELL | 134,363 | \$1.3385 | |
| May 14, 2010 | SELL | 161,159 | \$1.3040 | |
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LS Power Partners, L.P.

| April 30, 2010 | SELL | 8,057 | \$1.3556 |
|-------------------------|--------|--------|----------|
| May 3, 2010 | SELL | 4,157 | \$1.3414 |
| May 4, 2010 | SELL | 8,693 | \$1.3098 |
| May 5, 2010 | SELL | 21,117 | \$1.2994 |
| May 6, 2010 | SELL | 15,200 | \$1.2683 |
| May 7, 2010 | SELL | 5,144 | \$1.2185 |
| May 10, 2010 | SELL | 12,327 | \$1.3208 |
| May 11, 2010 | SELL | 13,853 | \$1.3149 |
| May 12, 2010 | SELL | 6,247 | \$1.3064 |
| May 13, 2010 | SELL | 7,196 | \$1.3385 |
| May 14, 2010 | SELL | 8,631 | \$1.3040 |
| LSP Gen Investors, L.P. | | | |
| | | | |
| April 30, 2010 | SELL | 5,904 | \$1.3556 |
| May 3, 2010 | SELL | 3,046 | \$1.3414 |
| May 4, 2010 | SELL | 6,370 | \$1.3098 |
| May 5, 2010 | SELL | 15,473 | \$1.2994 |
| May 6, 2010 | SELL | 11,138 | \$1.2683 |
| May 7, 2010 | SELL | 3,769 | \$1.2185 |
| May 10, 2010 | SELL | 9,033 | \$1.3208 |
| May 11, 2010 | SELL | 10,151 | \$1.3149 |
| May 12, 2010 | SELL | 4,578 | \$1.3064 |
| May 13, 2010 | SELL | 5,273 | \$1.3385 |
| May 14, 2010 | SELL | 6,324 | \$1.3040 |
| | D 14 - | C 1 A | |