

LIME ENERGY CO.  
Form S-8  
January 28, 2009

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As filed with the Securities and Exchange Commission on January 28, 2009

Registration No. 333-\_\_\_\_\_

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549  
FORM S-8  
REGISTRATION STATEMENT  
UNDER  
THE SECURITIES ACT OF 1933  
Lime Energy Co.  
(Exact name of registrant as specified in its charter)**

**Delaware**  
(State or other jurisdiction  
of incorporation or organization)

**36-4197337**  
(I.R.S. Employer  
Identification Number)

**1280 Landmeier Road  
Elk Grove Village, Illinois**  
(Address of registrant's principal executive offices)

**60007**  
(Zip Code)

**LIME ENERGY CO. 2008 LONG-TERM INCENTIVE PLAN, AS AMENDED**  
(Full title of the plan)

**Jeffrey R. Mistarz  
Chief Financial Officer, Treasurer and Corporate Secretary  
1280 Landmeier Road  
Elk Grove Village, Illinois 60007  
(847) 437-1666**

(Name, address, including zip code and telephone number, including area code, of agent for service)

*Copies to:*

**J. Todd Arkebauer  
Reed Smith LLP  
10 S. Wacker Dr.  
Chicago, Illinois 60606  
(312) 207-6453**

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer  Accelerated filer  Non-accelerated filer  Smaller reporting company

(Do not check if a smaller reporting company)

**CALCULATION OF REGISTRATION FEE**

Title of securities to be registered	Amount to be registered(1)	Proposed maximum offering price per share(2)	Proposed maximum aggregate offering price(2)	Amount of registration fee(3)
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Common Stock, par value \$0.0001 per share, issuable under the Long-Term Incentive Plan	600,000	\$4.295	\$2,577,000	\$101.28
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(1) Pursuant to Rule 416(a) under the Securities Act of 1933, as amended (the Securities Act ), this Registration Statement registers such indeterminate number of additional shares of Common Stock as may be issued in connection with shares splits, share dividends or similar transactions.

(2) Estimated solely for the purpose of calculating the amount of the registration fee pursuant to Rule 457(h) promulgated under the Securities Act. The offering price per share and aggregate offering price are based upon the average of the high and low prices for the Common Stock as reported on the NASDAQ Capital Market on January 21, 2009, in accordance with

Rule 457(c) of  
the Securities  
Act.

- (3) In accordance with Rule 457, the registration fee associated with 107,620 shares (as adjusted to reflect all stock splits and stock dividends to date) previously registered under the Amended 2001 Incentive Plan on Registration Statement No. 333-144474 filed with the Securities and Exchange Commission (the Commission ) on July 11, 2007 and the 2001 Incentive Plan on Registration Statement No. 333-121958 filed with the Commission on January 11, 2005 is being carried forward from such registration statements pursuant to which total registration fees of \$418.01 were previously paid. In accordance with Interpretation 89 under Section G of the Manual of Publicly

Available  
Telephone  
Interpretations  
of the Division  
of Corporation  
Finance of the  
Commission  
(July 1997) and  
General  
Instruction E to  
Form S-8, the  
Registrant has  
carried forward  
such registration  
fees. The  
Registrant  
applied \$71.75  
of the previously  
paid fees in  
connection with  
Registration  
Statement  
No. 333-151470  
filed with the  
Commission on  
June 6, 2008,  
resulting in a  
balance of  
\$346.26  
available. As a  
result of the  
available carry  
forward balance,  
no registration  
fee will be paid  
with this filing  
and the  
Registrant will  
have \$244.98 of  
registration fees  
eligible for  
future  
registration  
statements  
through January  
11, 2010.

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**EXPLANATORY NOTE**

This Registration Statement on Form S-8 is being filed for the purpose of registering an additional 600,000 shares of Lime Energy Co.'s Common Stock to be issued pursuant to the Lime Energy Co. 2008 Long-Term Incentive Plan that was approved by our shareholders on June 4, 2008 and amended November 26, 2008 with such amendment effective January 26, 2009. Pursuant to General Instruction E of Form S-8, this Registration Statement incorporates by reference Registration Statement on Form S-8 (333-151470) filed with the Commission on June 6, 2008.

**PART II**

**Item 3. Incorporation of Documents by Reference**

Lime Energy Co. hereby incorporates by reference into this Registration Statement the following documents filed with the Commission:

- (a) Our Annual Report on Form 10-K for the fiscal year ended December 31, 2007;
- (b) Our Quarterly Reports on Form 10-Q for the quarters ended March 31, 2008; June 30, 2008; and September 30, 2008;
- (c) Our Current Reports on Form 8-K filed on January 18, 2008; January 28, 2008; February 21, 2008, as amended; March 3, 2008; March 14, 2008, as amended; June 11, 2008, as amended; July 15, 2008; July 15, 2008; August 19, 2008; October 31, 2008, November 5, 2008; November 18, 2008; November 18, 2008; January 6, 2009; and January 21, 2009;
- (d) The description of our Common Stock, \$0.0001 par value per share, contained in our Registration Statement on Form 8-A filed on February 21, 2008, including any amendment or report filed for the purpose of updating such description.

In addition, all documents and reports subsequently filed by Lime Energy Co. pursuant to Sections 13(a), 13(c), 14 and 15(d) of the Securities Exchange Act of 1934, prior to the filing of a post-effective amendment to this Registration Statement which indicates that all securities offered have been sold, or which deregisters all securities then remaining unsold, shall be deemed to be incorporated by reference in this Registration Statement and to be a part hereof from the date of filing of such documents.

**Item 5. Interests of Named Experts and Counsel**

The legal validity of the issuance of the shares of Common Stock offered under this Registration Statement has been passed upon by Reed Smith LLP.

**Item 8. Exhibits**

The Exhibit Index that follows the signature page to this Registration Statement is incorporated herein by reference.

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Pursuant to the requirements of the Securities Act of 1933, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Elk Grove Village, State of Illinois, on the 28th day of January, 2009.

**LIME ENERGY CO.**

By: /s/ Jeffrey Mistarz  
 Jeffrey R. Mistarz  
 Chief Financial Officer, Treasurer and  
 Corporate Secretary

**POWER OF ATTORNEY**

Know all men by these presents, that each person whose signature appears below constitutes and appoints David R. Asplund and Jeffrey R. Mistarz, and each of them singly, his true and lawful attorneys-in-fact and agents, with full power of substitution and resubstitution, for him and in his name, place and stead, in any and all capacities (including his capacity as a director and/or officer of Lime Energy Co.) to sign any and all amendments (including post-effective amendments) to this Registration Statement, and to file the same, with all exhibits thereto, and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorneys-in-fact and agents, and each of them, full power and authority to do and perform each and every act and thing requisite and necessary to be done in and about the premises, as fully to all intents and purposes as he might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents or any of them, or their or his substitute or substitutes, may lawfully do or cause to be done by virtue thereof.

Pursuant to the requirements of the Securities Act of 1933, this Registration Statement has been signed by the following persons in the capacities and on the dates indicated.

<b>Signature</b>	<b>Title</b>	<b>Date</b>
/s/ David R. Asplund	Chief Executive Officer and Director (principal executive officer)	January 28, 2009
David R. Asplund		
/s/ Jeffrey R. Mistarz	Chief Financial Officer, Treasurer and Corporate Secretary (principal financial officer and principal accounting officer)	January 28, 2009
Jeffrey R. Mistarz		
/s/ Richard P. Kiphart	Chairman of the Board	January 28, 2009
Richard P. Kiphart		
/s/ Gregory Barnum	Director	January 28, 2009
Gregory Barnum		



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<b>Signature</b>	<b>Title</b>	<b>Date</b>
William Carey	Director	
/s/ Joseph Desmond	Director	January 28, 2009
Joseph Desmond		
/s/ Daniel W. Parke	Director	January 28, 2009
Daniel W. Parke		
	Director	
David Valentine		

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**EXHIBIT INDEX**

<b>Exhibit Number</b>	<b>Description of Exhibit</b>
5.1	Opinion of Reed Smith LLP
23.1	Consent of counsel (included in Exhibit 5.1)
23.2	Consent of BDO Seidman, LLP
23.3	Consent of BDO Seidman, LLP
24.1	Powers of Attorney (contained on the signature page hereto)
99.1	Lime Energy Co. 2008 Long-Term Incentive Plan, as amended