LIME ENERGY CO.

Form 4

September 16, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

3235-0287 Number:

January 31, Expires: 2005 Estimated average

0.5

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Check this box

obligations may continue. See Instruction

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * MISTARZ JEFFREY	2. Issuer Name and Ticker or Trading Symbol LIME ENERGY CO. [LIME]	5. Relationship of Reporting Person(s) to Issuer			
(Last) (First) (Middle)	3. Date of Earliest Transaction	(Check all applicable)			
1280 LANDMEIER ROAD	(Month/Day/Year) 09/16/2010	Director 10% OwnerX Officer (give title Other (specibelow) Chief Financial Officer			
(Street)	4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person			
ELK GROVEVILLAGE, IL 60007		Form filed by More than One Reporting Person			
the second secon					

(City)	(State)	Table	e I - Non-D	erivative Secur	ities Acc	quired, Disposed o	of, or Beneficial	ly Owned
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securities A	cquired	5. Amount of	6. Ownership	7. Nature of
Security	(Month/Day/Year)	Execution Date, if	Transactio	on(A) or Dispose	ed of	Securities	Form: Direct	Indirect
(Instr. 3)		any	Code	(D)		Beneficially	(D) or	Beneficial
		(Month/Day/Year)	(Instr. 8)	(Instr. 3, 4 and	15)	Owned	Indirect (I)	Ownership
						Following	(Instr. 4)	(Instr. 4)
				(A)		Reported		
				(A) or		Transaction(s)		
			Code V	Amount (D)	Price	(Instr. 3 and 4)		
					\$			
Common Stock	09/16/2010		P	2,500 A		6,790	D	
					<u>(1)</u>			

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transactic Code (Instr. 8)	5. onNumber of Derivative Securities Acquired (A) or Disposed of (D)		ate	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	of ng s	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Owne Follo Repo Trans (Instr
				Code V	(Instr. 3, 4, and 5) (A) (D)	Date Exercisable	Expiration Date	or Title Nu of	umber		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

MISTARZ JEFFREY 1280 LANDMEIER ROAD ELK GROVEVILLAGE, IL 60007

Chief Financial Officer

Signatures

Jeffrey Mistarz 09/16/2010

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

The price reported in Column 4 is a weighted average price. These shares were purchased in multiple transactions at prices ranging from \$3.37 to \$3.46, inclusive. The reporting person undertakes to provide to Lime Energy Co., any security holder of Lime Energy Co., or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares purchased at each separate price within the range set forth in footnote (1) to this Form 4.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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