

DE SHAW LAMINAR PORTFOLIOS LLC

Form 4/A

September 22, 2006

FORM 4**UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549**

Check this box
if no longer
subject to
Section 16.
Form 4 or
Form 5
obligations
may continue.
See Instruction
1(b).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF
SECURITIES**

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

OMB APPROVAL

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(Print or Type Responses)

1. Name and Address of Reporting Person *

DE SHAW LAMINAR
PORTFOLIOS LLC

(Last) (First) (Middle)

39TH FLOOR, TOWER 45, 120
WEST FORTY-FIFTH STREET

(Street)

NEW YORK, NY 10036

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading

Symbol

COVANTA HOLDING CORP
[CVA]

3. Date of Earliest Transaction

(Month/Day/Year)

09/19/2006

4. If Amendment, Date Original

Filed(Month/Day/Year)

09/12/2006

5. Relationship of Reporting Person(s) to
Issuer

(Check all applicable)

____ Director ____X____ 10% Owner
____ Officer (give title below) ____X____ Other (specify below)

See Footnotes 1 and 2.

6. Individual or Joint/Group Filing(Check
Applicable Line)

____ Form filed by One Reporting Person
X Form filed by More than One Reporting
Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D) Price			
Common Stock	09/19/2006		S		250,000	D \$ 20.25	24,705,704 (1)	D	(2) (3)
Common Stock	09/20/2006		S		250,000	D \$ 20.5	24,455,704	D	(2) (3)
Common Stock	09/20/2006		S		100,000	D \$ 20.6	24,355,704	D	(2) (3)
Common Stock	09/21/2006		S		500,000	D \$ 20.5	23,855,704	D	(2) (3)
Common Stock	09/21/2006		S		100,000	D \$ 20.55	23,755,704	D	(2) (3)

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Common Stock	09/21/2006	S	250,000	D	\$ 20.6	23,505,704	D (2) (3)
Common Stock	09/21/2006	S	150,000	D	\$ 20.65	23,355,704	D (2) (3)

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

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(9-02)

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

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. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Beneficially Owned Following Reported Transaction (Instr. 3)
				Code	V (A) (D)	Date Exercisable	Expiration Date	Amount or Number of Shares	

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
DE SHAW LAMINAR PORTFOLIOS LLC 39TH FLOOR, TOWER 45 120 WEST FORTY-FIFTH STREET NEW YORK, NY 10036		X		See Footnotes 1 and 2.
SHAW D E & CO L P /NY/ 39TH FLOOR, TOWER 45 120 WEST FORTY-FIFTH STREET NEW YORK, NY 10036		X		See Footnotes 1 and 2.
D E SHAW & CO LLC 39TH FLOOR, TOWER 45 120 WEST FORTY-FIFTH STREET NEW YORK, NY 10036		X		See Footnotes 1 and 2.
SHAW DAVID E 39TH FLOOR, TOWER 45		X		See Footnotes 1 and 2.

120 WEST FORTY-FIFTH STREET
NEW YORK, NY 10036

Signatures

D. E. Shaw Laminar Portfolios, L.L.C. By: D. E. Shaw & Co., L.L.C., as Managing Member By: /s/ Eric Wepsic, Managing Director	09/21/2006
_____ **Signature of Reporting Person	Date
D. E. Shaw & Co., L.P. By: /s/ Eric Wepsic, Managing Director	09/21/2006
_____ **Signature of Reporting Person	Date
D. E. Shaw & Co., L.L.C. By: /s/ Eric Wepsic, Managing Director	09/21/2006
_____ **Signature of Reporting Person	Date
David E. Shaw By: /s/ Eric Wepsic, Attorney-in-Fact for David E. Shaw	09/21/2006
_____ **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).

(1) On September 18, 2006, the reporting person mistakenly filed an Amended Form 4 (the "Amended Form") reporting a correction to the number of shares reported sold on September 8, 2006 (the "Original Form"). The Original Form correctly reported the total number of shares sold and the Amended Form should be disregarded. As of September 18, 2006, the reporting person owned 24,955,704 shares of common stock.

(2) The securities of the Issuer to which this form relates are held directly by D. E. Shaw Laminar Portfolios, L.L.C. ("Laminar"). D. E. Shaw & Co., L.P. ("DESCO LP"), as investment adviser to Laminar; D. E. Shaw & Co., L.L.C. ("DESCO LLC"), as managing member of Laminar; and Mr. David E. Shaw ("David E. Shaw") (as president and sole shareholder of D. E. Shaw & Co., Inc., which is the general partner of DESCO LP, and as president and sole shareholder of D. E. Shaw & Co. II, Inc., which is the managing member of DESCO LLC) may be deemed to be the beneficial owners of more than 10% of the Common Stock of the Issuer for purposes of Rule 16a-1(a) of the Securities Exchange Act of 1934. (Continued in Footnote 2).

(3) In accordance with instruction 4(b)(iv), the entire number of shares of Common Stock that may be deemed to be beneficially owned by DESCO LP or DESCO LLC is reported herein. Each of DESCO LP, DESCO LLC, and David E. Shaw disclaims any beneficial ownership of any of the securities listed in this Form 4, except to the extent of any pecuniary interest therein.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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