Simpson Timothy Form 4 March 03, 2008

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

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

OMB APPROVAL

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Form 5 obligations may continue. See Instruction 1(b).

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

(Print or Type Responses)

(City)

(State)

(7:-

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Simpson Timothy Issuer Symbol **COVANTA HOLDING CORP** (Check all applicable) [CVA] (Last) (First) (Middle) 3. Date of Earliest Transaction Director 10% Owner X_ Officer (give title _ Other (specify (Month/Day/Year) below) 40 LANE ROAD 02/28/2008 EVP, Gen'l Counsel and Secy. (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting FAIRFIELD, NJ 07004 Person

(City)	(State)	Table	e I - Non-D	erivative Se	curities Acqu	uired, Disposed of	, or Beneficiall	y Owned
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securitie	s Acquired	5. Amount of	6. Ownership	7. Nature of
Security	(Month/Day/Year)	Execution Date, if	Transactio	n(A) or Disp	osed of (D)	Securities	Form: Direct	Indirect
(Instr. 3)		any	Code	(Instr. 3, 4 a	and 5)	Beneficially	(D) or	Beneficial
		(Month/Day/Year)	(Instr. 8)			Owned	Indirect (I)	Ownership
						Following	(Instr. 4)	(Instr. 4)
				((A)	Reported		
					(A) or	Transaction(s)		
			Code V		(D) Price	(Instr. 3 and 4)		
Common					Ф			
	02/28/2008		F	2,206	\$ 28.05	86,056	D	
par value								

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	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transacti Code (Instr. 8)			ate	7. Title Amoun Under	int of lying ities	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene
	Derivative Security				Securities Acquired			(Instr.	3 and 4)		Owne Follo
					(A) or Disposed						Repo Trans
					of (D) (Instr. 3, 4, and 5)						(Instr
					4, and 3)				Amount		
						Date Exercisable	Expiration Date	Title	or Number of		
				Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Simpson Timothy 40 LANE ROAD FAIRFIELD, NJ 07004

EVP, Gen'l Counsel and Secy.

Signatures

/s/ Timothy J. 02/29/2008 Simpson

**Signature of Date Reporting Person

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).

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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