Klett John Form 4 March 22, 2010

FORM 4

OMB APPROVAL

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

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16.

January 31, Expires: 2005

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

Estimated average burden hours per response... 0.5

Form 4 or Form 5 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 * Klett John			2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer			
			COVANTA HOLDING CORP [CVA]	(Check all applicable)			
(Last) (I	First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year)	Director 10% OwnerX_ Officer (give title Other (specif			
40 LANE ROAD			03/18/2010	below) below) EVP & Chief Operating Officer			
(Street)			4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			
EAIDEIEI D. NII	07004		Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting			

FAIRFIELD, NJ 07004

(State)

(Zip)

(City)

(,)	()	Tab	ole I - Non-	Derivative	Secu	rities Acqui	red, Disposed of,	or Beneficiall	y Owned
1.Title of Security	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if	3. 4. Securities Acquired (A) Transaction Disposed of (D)				5. Amount of Securities	6. Ownership	7. Nature of Indirect
(Instr. 3)		any	Code (Instr. 3, 4 and 5)			Beneficially	Form:	Beneficial	
		(Month/Day/Year)	(Instr. 8)				Owned	Direct (D)	Ownership
							Following	or Indirect	(Instr. 4)
					(4)		Reported	(I)	
					(A)		Transaction(s)	(Instr. 4)	
			Code V	Amount	(D)	Price	(Instr. 3 and 4)		
Common						\$			
Stock, \$.10 par	03/18/2010		S <u>(1)</u>	6,092	D	16.8473	87,060	D	
value						(2)			

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

Person

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

1. Title of	f 2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Title	e and	8. Price of	9. Nu
Derivativ	e Conversion	(Month/Day/Year)	Execution Date, if	Transacti	orNumber	Expiration D	ate	Amou	nt of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securi	ties	(Instr. 5)	Bene
	Derivative				Securities			(Instr.	3 and 4)		Owne
	Security				Acquired						Follo
					(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									Amount		
									Amount		
						Date	Expiration		or Number		
					Exercisable	Date		of			
				Code V	(A) (D)				Shares		
				Code v	(A) (D)				Shares		

Reporting Owners

Relationships Reporting Owner Name / Address

> Other Director 10% Owner Officer

Klett John

40 LANE ROAD **EVP & Chief Operating Officer**

FAIRFIELD, NJ 07004

Signatures

/s/ John Klett 03/22/2010 **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).
- The shares were sold to pay income tax liability associated with the vesting of restricted stock previously awarded to the Reporting Person by the Issuer.
- Represents the weighted average price of multiple transactions with a range of prices between \$16.73 and \$17.075. The Reporting Person, (2) upon request by the staff of the Securities and Exchange Commission, the Issuer or a security holder of the Issuer, undertakes to provide further information regarding the number of securities purchased at each separate price.

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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