

XTERA COMMUNICATIONS, INC.
 Form 4
 September 28, 2016

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

OMB APPROVAL

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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

(Print or Type Responses)

1. Name and Address of Reporting Person *
 NEW ENTERPRISE ASSOCIATES
 9 L P

2. Issuer Name and Ticker or Trading Symbol
 XTERA COMMUNICATIONS, INC. [XCOM]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
 1954 GREENSPRING
 DRIVE, SUITE 600
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 09/27/2016

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

TIMONIUM, MD 21093

(City) (State) (Zip)

4. If Amendment, Date Original Filed(Month/Day/Year)

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 Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)		
				(A) or (D)	Code	V	Amount	(D)	Price

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

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SEC 1474 (9-02)

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

1. Title of Derivative	2. Conversion	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if	4. Transaction	5. Number of Derivative	6. Date Exercisable and Expiration Date	7. Title and Amount of Underlying Securities
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Security (Instr. 3)	or Exercise Price of Derivative Security	any (Month/Day/Year)	Code (Instr. 8)	Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	(Month/Day/Year)	(Instr. 3 and 4)				
			Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount Number Shares
Warrants to Purchase Common Stock	\$ 0.61	09/27/2016	P		183,105		09/27/2016	09/27/2026	Common Stock	183,105

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
NEW ENTERPRISE ASSOCIATES 9 L P 1954 GREENSPRING DRIVE SUITE 600 TIMONIUM, MD 21093		X		
NEA PARTNERS 9 L P 1954 GREENSPRING DRIVE SUITE 600 TIMONIUM, MD 21093		X		

Signatures

/s/ Sasha Keough,
attorney-in-fact
Date: 09/28/2016

**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) The Warrants reported on this Form 4 were issued by Xtera Communications, Inc. (the "Company") as part of a private placement of secured promissory notes (the "Notes"). Each purchaser of Notes received warrants to purchase one share of the Company's Common Stock for each \$1.00 of principal amount of Notes purchased.

(2) The shares are directly held by New Enterprise Associates 9, Limited Partnership ("NEA 9") and indirectly held by NEA Partners 9, Limited Partnership ("NEA Partners 9"), the sole general partner of NEA 9, and the general partner of NEA Partners 9 (NEA Partners and its general partner together, the "Indirect Reporting Persons"). The General Partner of NEA Partners 9 is Peter J. Barris. The Indirect Reporting Persons disclaim beneficial ownership within the meaning of Section 16 of the Securities Exchange Act of 1934, as amended, or otherwise of such portion of the NEA 9 shares in which the Indirect Reporting Persons have no pecuniary interest.

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.