

OMB APPROVAL	
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>FOWLER W RANDALL</u> (Last) (First) (Middle) 1100 LOUISIANA, SUITE 1000 (Street) HOUSTON TX 77002 (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>Enterprise GP Holdings L.P. [EPE]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) EVP and CFO
	3. Date of Earliest Transaction (Month/Day/Year) 02/22/2008	
4. If Amendment, Date of Original Filed (Month/Day/Year)		

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			

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 Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
Class B Ltd Partner Interests in Ent. Uni/Obl. to Del.	(2)	02/22/2008		J ⁽¹⁾		0 ⁽¹⁾		(1) ⁽²⁾	(2)	Units	(2)	\$0	0 ⁽²⁾	D	

Explanation of Responses:

1. The reporting person is an owner of Class B limited partner interest in Enterprise Unit L.P. As of February 25, 2008, Enterprise Unit L.P. owns directly 31,600 Units of Enterprise GP Holdings L.P. ("EPE"). Enterprise Unit L.P. is a Delaware limited partnership established for the benefit of certain EPCO, Inc. ("EPCO") employees who are its Class B limited partners. EPCO Holdings, Inc. ("EPCO Holdings") is the sole Class A limited partner and EPCO is the general partner of Enterprise Unit L.P. The reporting person acquired these Class B limited partner interests in Enterprise Unit L.P. from a grant of such interests by EPCO, in its capacity as general partner of Enterprise Unit L.P. The Class B limited partner interest owned by the reporting person represent an initial 7.7670% Class B limited partner interest in Enterprise Unit L.P., in accordance with the Agreement of Limited Partnership of Enterprise Unit L.P.

2. On February 20, 2014 (or an earlier Vesting Date), Enterprise Unit L.P. will be liquidated and will distribute to the Class B Limited Partners a total number of Units equal to (i) the total number of units acquired by Enterprise Unit L.P. minus (ii) the quotient of one-half of the aggregate contributions of cash or cash equivalents made by the Class A limited partner, plus (iii) any undistributed preferred return, divided by (iv) the fair market value (as defined) of the units calculated as of February 20, 2014 (or an earlier Vesting Date). The remaining units will be distributed to EPCO Holdings as the Class A Limited Partner. The Class B limited partner interest is subject to forfeiture.

/s/ William L. Soula, as
Attorney-in-Fact for W. 02/26/2008
Randall Fowler

** Signature of Reporting Person Date

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

* 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.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.