Washington, D.C. 20549

DOWNEY WILLIAM H

Check this box if

Form 5

January 14, 2010

FORM 5 UNITED STATES SECURITIES AND EXCHANGE COMMISSION

OMB APPROVAL

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1.0

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no longer subject to Section 16.
Form 4 or Form
5 obligations may continue.
See Instruction

ANNUAL STATEMENT OF CHANGES IN BENEFICIAL

OWNERSHIP OF SECURITIES

1(b). Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Form 3 Holdings Section 17(a) of the Public Utility Holding Company Act of 1935 or Section Reported 30(h) of the Investment Company Act of 1940

Form 4 Transactions Reported

Reminder: Report on a separate line for each class of

securities beneficially owned directly or indirectly.

1. Name and Address of Reporting Person * 2. Issuer Name and Ticker or Trading 5. Relationship of Reporting Person(s) to Issuer DOWNEY WILLIAM H Symbol **ENTERPRISE FINANCIAL** (Check all applicable) SERVICES CORP [EFSC] (Middle) 3. Statement for Issuer's Fiscal Year Ended (Last) (First) _X_ Director 10% Owner Officer (give title (Month/Day/Year) Other (specify below) below) 12/31/2009 150 N. MERAMEC (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Reporting Filed(Month/Day/Year) (check applicable line) ST. LOUIS, MOÂ 63105 _X_ Form Filed by One Reporting Person Form Filed by More than One Reporting (State) (City) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1. Title of 2. Transaction Date 2A. Deemed 3. 4. Securities 5. Amount of 6. Ownership 7. Nature of Security (Month/Day/Year) Execution Date, if Transaction Acquired (A) or Securities Form: Direct Indirect (Instr. 3) Code Disposed of (D) Beneficially (D) or Beneficial any (Month/Day/Year) (Instr. 8) (Instr. 3, 4 and 5) Owned at end Indirect (I) Ownership of Issuer's (Instr. 4) (Instr. 4) (A) Fiscal Year or (Instr. 3 and 4) (D) Price Amount Common Â Â Â Â Â Â Â 15.582 D Stock

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

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SEC 2270

(9-02)

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1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Title	and	8. Price of
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transaction	Number	Expiration D	ate	Amoun	t of	Derivative
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underly	ying	Security
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	ve S			ies	(Instr. 5)
	Derivative				Securities	rities			3 and 4)	
	Security				Acquired					
					(A) or					
					Disposed					
					of (D)					
					(Instr. 3,					
					4, and 5)					
								A	Amount	
								C	or	
						Date	Expiration		Number	
						Exercisable	Date		of	
					(A) (D)				Shares	
					(/ (- /					

of D

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Reporting Owners

Reporting Owner Name / Address	Relationships					
1 0	Director	10% Owner	Officer	Other		
DOWNEY WILLIAM H 150 N. MERAMEC ST. LOUIS, MO 63105	ÂΧ	Â	Â	Â		

Signatures

William H.
Downey

**Signature of Reporting Person

O1/14/2010

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).

Note: File three copies of this Form, one of which must be manually signed. If space provided 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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