MURPHY J. Form 5	AMES										
January 14, 2	2010										
FORM								OMB A	PPROVAL		
	STATES SECUI	S SECURITIES AND EXCHANGE C				OMMISSION	OMB Number:	3235-0362			
5 obligations may continue.		Wa	Washington, D.C. 20549					Expires:	January 31, 2005		
			STATEMENT OF CHANGES IN BENEFIC OWNERSHIP OF SECURITIES					Estimated a burden hou response	average urs per		
See Instruction 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 Form 4 Transactions ReportedSection 17(a) of the Investment Company Act of 1940											
1. Name and A MURPHY J	Address of Reporting I	Symbol ENTEF	2. Issuer Name and Ticker or Trading Symbol ENTERPRISE FINANCIAL SERVICES CORP [EFSC]				5. Relationship of Reporting Person(s) to Issuer (Check all applicable)				
(Last)	(First) (N	(Month/I	3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year) 12/31/2009				X Director Officer (give below)				
150 N. MEH	RAMEC	12/31/2	.009								
	(Street)		4. If Amendment, Date Original Filed(Month/Day/Year)				6. Individual or Joint/Group Reporting				
(check applicable line))					
ST. LOUIS,	MO 63105						_X_ Form Filed by Form Filed by I Person				
(City)	(State)	(Zip) Tab	le I - Non-Deri	ivative Sec	curities A	Acqu	ired, Disposed of	f, or Beneficial	lly Owned		
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	e 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 at end of Issuer's	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
				Amount	(A) or (D) H	Price	Fiscal Year (Instr. 3 and 4)	(шоц. т)	(1130. 7)		
Common Stock	Â	Â	Â	Â	ÂÂ	Â	144,251	Ι	By Trust		
Common Stock	Â	Â	Â	Â	ÂÂ	Â	5,108	D	Â		

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

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 control number. SEC 2270 (9-02)

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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 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)	(Month/Day/Year) ive es ed ed		Amou Unde Secur	rlying	8. Price of Derivative Security (Instr. 5)	9. of D So B O E I S Fi (I
					(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Add	ress	Relationships						
		10% Owner	Officer	Other				
MURPHY JAMES 150 N. MERAMEC ST. LOUIS, MO 63105		Â	Â	Â				
Signatures								
James Murphy	01/14/2010							
<pre>**Signature of Reporting Person</pre>	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.