FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL									
OMB Number:	3235-0287								
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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).

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 an Dimitro	2. Issuer Name and Ticker or Trading Symbol Fifth Street Finance Corp [FSC]									(Check	all app Direc			wner					
(Last) (First) (Middle) 10 BANK STREET 12TH FLOOR							3. Date of Earliest Transaction (Month/Day/Year) 12/15/2010									Officer (give title Other (specibelow) Co-Chief Investment Officer			
(Street) WHITE PLAINS NY 10606 (City) (State) (Zip)					4. If	4. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check App Line) X Form filed by One Reporting Person Form filed by More than One Report Person										on			
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																			
1. Title of Security (Instr. 3) 2. Transacti Date (Month/Day)						Execut (Year) if any		Deemed ution Date, / /th/Day/Year)		3. 4. Securitie Transaction Code (Instr. 8)				and 5) Seci Ben Owr		icially d Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership
								Code	v	Amount	(A) or (D)	Price			action(s) 3 and 4)			(Instr. 4)	
Common	010 12/15/2010		P		1,000	A	\$11.	6299	8,3	346.448	D								
		Та	ble II -								osed of, convertib				vned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	Execution Date, if any		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. and 4)				9. Number o derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Owner Form: Direct or Indi (I) (Ins	Ownership	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exercis	sable	Expiration Date	Title	Amount or Number of Shares						

Explanation of Responses:

Remarks:

/s/ Ivelin M. Dimitrov

12/16/2010

** 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.