

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

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

OMB APPROVAL	
OMB Number:	3235-0104
Estimated average burden hours per response:	0.5

<div>1. Name and Address of Reporting Person *</div> <div>FRANK ALEXANDER C</div> <div>(Last) (First) (Middle)</div> <div>C/O FIFTH STREET (FSC)</div> <div>777 WEST PUTNAM AVENUE, 3RD FLOOR</div> <div>(Street)</div> <div>GREENWICH CT 06830</div> <div>(City) (State) (Zip)</div>	<div>2. Date of Event Requiring Statement (Month/Day/Year)</div> <div>05/08/2017</div>	<div>3. Issuer Name and Ticker or Trading Symbol</div> <div>Fifth Street Finance Corp. [ FSC ]</div> <div>4. Relationship of Reporting Person(s) to Issuer (Check all applicable)</div> <div><div>X</div> Director 10% Owner</div> <div>Officer (give title below) Other (specify below)</div>		<div>5. If Amendment, Date of Original Filed (Month/Day/Year)</div> <div>6. Individual or Joint/Group Filing (Check Applicable Line)</div> <div>X Form filed by One Reporting Person</div> <div>Form filed by More than One Reporting Person</div>
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Table I - Non-Derivative Securities Beneficially Owned			
1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	15,223	D	

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)							
1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			

Explanation of Responses:

Remarks:

/s/ Kerry S. Accorella, attorney-in-fact for  
Alexander C. Frank  
05/10/2017

\*\* 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 5 (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.

POWER OF ATTORNEY

I, Alexander C. Frank, a director of Fifth Street Finance Corp. (the "Corporation"), hereby authorize and designate each of Bernard D. Berman and Kerry S. Acocella :

(1) prepare and sign on my behalf any Form3, Form4 or Form5 under Section16 of the Securities Exchange Act of 1934, as amended, and file the same with the Securities and Exchange Commission;

(2) prepare and sign on my behalf any Form144 Notice under the Securities Act of 1933, as amended, and file the same with the Securities and Exchange Commission; and

(3) take any other action of any type whatsoever in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of benefit to, in the best interests of the Corporation.

The undersigned hereby grants to each such attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary or proper to carry out the powers conferred by this instrument.

This Power of Attorney shall remain in effect until the undersigned is no longer required to file Forms 3, 4, 5 and 144 with respect to the undersigned's holdings of the Corporation's common stock.

DATED:  
5/8/2017

SIGNED:  
/s/ Alexander C. Frank