ING SENIOR INCOME FUND

Form 5

March 30, 2011

FORM 5

OMB APPROVAL

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB Number: 3235-0362 January 31,

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

Check this box if

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ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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1.0

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 30(h) of the Investment Company Act of 1940

Transactions Reported

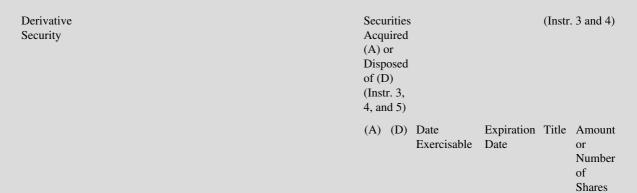
ING INVESTMENTS Sym DISTRIBUTOR, LLC INC		Symbol ING SI	Issuer Name and Ticker or Trading mbol IG SENIOR INCOME FUND ISIQX]			5. Relationship of Reporting Person(s) to Issuer (Check all applicable)				
(Last)		Middle)	3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year) 02/28/2011			Director 10% Owner Officer (give titleX Other (specify below) Investment Advisor Affiliate				
230 PARK	AVENUE									
				If Amendment, Date Original led(Month/Day/Year)			6. Individual or Joint/Group Reporting			
			Theu(Month/Day/Tear)				(check applicable line)			
NEW YOR	K, NY 10169						Form Filed by _X_ Form Filed by Person	One Reporting P y More than One I		
(City)	(State)	(Zip)	Tab	le I - Non-De	rivative Se	curities Acq	uired, Disposed	of, or Beneficia	lly Owned	
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deeme Execution l any (Month/Da	Date, if	3. Transaction Code (Instr. 8)	4. Securiti Acquired Disposed (Instr. 3, 4	(A) or of (D)	5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
	port on a separate line eficially owned direct				•		ollection of info		SEC 2270 (9-02)	

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

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exercisable and	7. Title and	8. Price of	9.
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transaction	Number	Expiration Date	Amount of	Derivative	of
Security	or Exercise		any	Code	of	(Month/Day/Year)	Underlying	Security	D
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e	Securities	(Instr. 5)	S

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Reporting Owners

Reporting Owner Name / Address		Relationships					
		10% Owner	Officer	Other			
ING INVESTMENTS DISTRIBUTOR, LLC 230 PARK AVENUE NEW YORK, NY 10169	Â	Â	Â	Investment Advisor Affiliate			
ING FUNDS SERVICES LLC 7337 E DOUBLETREE RANCH RD SCOTTSDALE, AZ 85250	Â	Â	Â	Investment Advisor Affiliate			
ING CAPITAL CORP LLC 7337 EAST DOUBLETREE RANCH ROAD SCOTTSDALE, AZ 85258	Â	Â	Â	Investment Advisor Affiliate			
ING INVESTMENTS LLC 7337 EAST DOUBLETREE RANCH ROAD SCOTTSDALE, Â AZÂ 85258	Â	Â	Â	Investment Advisor Affiliate			

Signatures

Michael Gioffre	03/30/2011		
**Signature of Reporting Person	Date		

Explanation of Responses:

* If the form is filed by more than one reporting person, see Instruction 4(b)(v).

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.

Reporting Owners 2

^{**} Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).