

NUVEEN INSURED CALIFORNIA PREMIUM INCOME MUNICIPAL FUND 2 IN  
Form NSAR-B  
April 28, 2009

PAGE 1  
000 B000000 02/28/2009  
000 C000000 0000897422  
000 D000000 N  
000 E000000 NF  
000 F000000 Y  
000 G000000 N  
000 H000000 N  
000 I000000 6.1  
000 J000000 A  
001 A000000 NUVEEN INS CA PREMIUM INCOME MUNI FUND 2, INC  
001 B000000 811-07492  
001 C000000 3129178200  
002 A000000 333 WEST WACKER DRIVE  
002 B000000 CHICAGO  
002 C000000 IL  
002 D010000 60606  
002 D020000 1286  
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007 C010600 6  
007 C010700 7  
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007 C010900 9  
007 C011000 10  
008 A000001 NUVEEN ASSET MANAGEMENT  
008 B000001 A  
008 C000001 801-14147  
008 D010001 CHICAGO  
008 D020001 IL  
008 D030001 60606  
008 D040001 1286  
012 A000001 EQUISERVE INC.  
012 B000001 84-05925  
012 C010001 PROVIDENCE  
012 C020001 RI  
012 C030001 02940  
013 A000001 ERNST & YOUNG LLP  
013 B010001 CHICAGO  
013 B020001 IL  
013 B030001 60606  
014 A000001 NUVEEN INVESTMENTS, LLC  
014 B000001 8-13464  
PAGE 2  
015 A000001 STATE STREET BANK AND TRUST COMPANY  
015 B000001 C  
015 C010001 BOSTON  
015 C020001 MA  
015 C030001 02110  
015 E010001 X

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018 000000 Y  
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022 B000001 13-2655998  
022 C000001 25839  
022 D000001 12273  
022 A000002 BANK OF AMERICA  
022 B000002 56-2058405  
022 C000002 0  
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022 A000003 GOLDMAN SACHS  
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022 A000004 DEPFA FIRST ALBANY  
022 B000004 14-1391446  
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022 D000004 3819  
022 A000005 WEDBUSH MORGAN  
022 B000005 95-2495390  
022 C000005 0  
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022 A000006 BANK OF MONTREAL  
022 B000006 13-4941092  
022 C000006 0  
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022 A000007 SAMUEL A. RAMIREZ  
022 B000007 13-2695511  
022 C000007 0  
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022 A000008 JP MORGAN CHASE  
022 B000008 13-3224016  
PAGE 3  
022 C000008 1680  
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071	B000000	22624
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071	D000000	9
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072 B000000	6780
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072 E000000	0
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074 R010000	0
074 R020000	0
074 R030000	0

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074 R040000	21104
074 S000000	79825
074 T000000	162831
074 U010000	12675

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080	B000000	AIG, GREAT AMERICAN, ST. PAUL & CNA
080	C000000	110000
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087	A020000	67061U108
087	A030000	NCL
088	A000000	N
088	B000000	N
088	C000000	N
088	D000000	Y
SIGNATURE	STEPHEN D. FOY	
TITLE	V.P. & CONTROLLER	