

NUVEEN INSURED CALIFORNIA PREMIUM INCOME MUNICIPAL FUND 2 IN  
Form NSAR-B  
October 29, 2003

PAGE 1  
000 B000000 08/31/2003  
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 811-7492  
001 C000000 3129178200  
002 A000000 333 WEST WACKER DRIVE  
002 B000000 CHICAGO  
002 C000000 IL  
002 D010000 60606  
002 D020000 1286  
003 000000 N  
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007 C010100 1  
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007 C010500 5  
007 C010600 6  
007 C010700 7  
007 C010800 8  
007 C010900 9  
007 C011000 10  
008 A000001 NUVEEN ADVISORY CORP  
008 B000001 A  
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012 A000001 EQUISERVE INC.  
PAGE 2  
012 B000001 84-05925  
012 C010001 BOSTON  
012 C020001 MA  
012 C030001 02940  
013 A000001 ERNST & YOUNG  
013 B010001 CHICAGO

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013 B020001 IL  
013 B030001 60611  
014 A000001 NUVEEN INVESTMENTS, LLC  
014 B000001 8-13464  
015 A000001 STATE STREET BANK AND TRUST COMPANY  
015 B000001 C  
015 C010001 BOSTON  
015 C020001 MA  
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020 C000010 0  
021 000000 0  
022 A000001 MORGAN STANLEY DEAN WITTER  
022 B000001 13-2655998  
022 C000001 15924  
022 D000001 1281  
022 A000002 MERRILL LYNCH  
022 B000002 13-5674085  
022 C000002 4422  
022 D000002 8289  
022 A000003 DAIN RAUSCHER  
022 B000003 41-0212020  
022 C000003 5208  
022 D000003 4463  
022 A000004 CITIGROUP GLOBAL MARKETS, INC.  
PAGE 3  
022 B000004 13-3214963  
022 C000004 7228  
022 D000004 0  
022 A000005 LEHMAN BROTHERS  
022 B000005 13-2518466  
022 C000005 4656  
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022 A000006 UBS FINANCIAL SERVICES  
022 B000006 13-2638166  
022 C000006 4426  
022 D000006 0  
022 A000007 BEAR STEARNS  
022 B000007 13-3604093  
022 C000007 4020  
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022 A000008 FIRST ALBANY

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022	B000008	14-1391446	
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054	C000000	N
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054	E000000	N
054	F000000	N
054	G000000	N
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054	I000000	N
054	J000000	Y

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054	K000000	N	
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054	N000000	N	
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070	I010000	N	
070	I020000	N	
070	J010000	Y	
070	J020000	N	

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070 K010000 N  
070 K020000 N  
070 L010000 N  
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PAGE 7  
070 M020000 N  
070 N010000 N  
070 N020000 N  
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070 Q010000 N  
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074 B000000 0  
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080	B000000	GULF, AIG, GREAT AMERICAN, CNA
080	C000000	90000
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086	E010000	0
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087	A010000	COMMON STOCK
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