

NUVEEN INSURED CALIFORNIA PREMIUM INCOME MUNICIPAL FUND 2 IN  
Form NSAR-B  
October 30, 2002

PAGE 1  
000 B000000 08/31/2002  
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  
004 000000 N  
005 000000 N  
006 000000 N  
007 A000000 N  
007 B000000 0  
007 C010100 1  
007 C010200 2  
007 C010300 3  
007 C010400 4  
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  
008 C000001 801-12353  
008 D010001 CHICAGO  
008 D020001 IL  
008 D030001 60606  
008 D040001 1286  
011 A000001 DELETE  
011 A000002 DELETE  
011 A000003 DELETE  
011 A000004 DELETE  
011 A000005 DELETE  
011 A000006 DELETE  
011 A000007 DELETE  
011 A000008 DELETE  
011 A000009 DELETE  
011 A000010 DELETE  
012 A000001 JPMORGAN INVESTOR SERVICES CO.  
PAGE 2  
012 B000001 85-11374  
012 C010001 BROOKLYN  
012 C020001 NY  
012 C030001 11245  
013 A000001 ERNST & YOUNG  
013 B010001 CHICAGO

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013 B020001 IL  
013 B030001 60611  
014 A000001 NUVEEN INVESTMENTS  
014 B000001 8-13464  
015 A000001 JPMORGAN CHASE BANK  
015 B000001 C  
015 C010001 BROOKLYN  
015 C020001 NY  
015 C030001 11245  
015 E010001 X  
015 A000002 DELETE  
015 A000003 BANK OF NEW YORK  
015 B000003 S  
015 C010003 NEW YORK  
015 C020003 NY  
015 C030003 10007  
015 E010003 X  
015 A000004 BANKERS TRUST COMPANY  
015 B000004 S  
015 C010004 NEW YORK  
015 C020004 NY  
015 C030004 10015  
015 E010004 X  
015 A000005 DELETE  
015 A000006 DELETE  
015 A000007 NATIONS BANK OF NORTH CAROLINA NA  
015 B000007 S  
015 C010007 CHARLOTTE  
015 C020007 NC  
015 C030007 28255  
015 E010007 X  
018 000000 Y  
019 A000000 Y  
019 B000000 130  
019 C000000 NUVEENFUND  
020 A000001 -  
020 C000001 0  
020 C000002 0  
020 C000003 0  
020 C000004 0  
020 C000005 0  
020 C000006 0  
020 C000007 0  
020 C000008 0  
020 C000009 0  
PAGE 3  
020 C000010 0  
021 000000 0  
022 A000001 SALOMON SMITH BARNEY  
022 B000001 13-1912900  
022 C000001 1942  
022 D000001 4923  
022 A000002 BEAR STEARNS  
022 B000002 13-3604093  
022 C000002 3000  
022 D000002 2368  
022 A000003 BANC AMERICA  
022 B000003 94-1687675  
022 C000003 4964  
022 D000003 0  
022 A000004 GOLDMAN SACHS  
022 B000004 13-5108880

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022	C000004	4890
022	D000004	0
022	A000005	PIPER JAFFRAY & HOPWOOD
022	B000005	41-0953246
022	C000005	2100
022	D000005	2100
022	A000006	PAINÉ WEBBER
022	B000006	13-2638166
022	C000006	3004
022	D000006	0
022	A000007	A.G. EDWARDS
022	B000007	43-0895447
022	C000007	0
022	D000007	2712
022	A000008	MORGAN STANLEY DEAN WITTER
022	B000008	13-2655998
022	C000008	0
022	D000008	2468
022	A000009	STEPHENS INC.
022	B000009	71-0211822
022	C000009	0
022	D000009	1990
022	A000010	E.J. DE LA ROSA
022	B000010	95- 422341
022	C000010	1897
022	D000010	0
023	C000000	22187
023	D000000	20176
024	000000	N
025	D000001	0
025	D000002	0
025	D000003	0
025	D000004	0
025	D000005	0
025	D000006	0
	PAGE	4
025	D000007	0
025	D000008	0
026	A000000	N
026	B000000	N
026	C000000	N
026	D000000	Y
026	E000000	N
026	F000000	N
026	G010000	N
026	G020000	N
026	H000000	N
027	000000	N
028	A010000	0
028	A020000	0
028	A030000	0
028	A040000	0
028	B010000	0
028	B020000	0
028	B030000	0
028	B040000	0
028	C010000	0
028	C020000	0
028	C030000	0
028	C040000	0
028	D010000	0
028	D020000	0

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028	D030000	0
028	D040000	0
028	E010000	0
028	E020000	0
028	E030000	0
028	E040000	0
028	F010000	0
028	F020000	0
028	F030000	0
028	F040000	0
028	G010000	0
028	G020000	0
028	G030000	0
028	G040000	0
028	H000000	0
030	A000000	0
030	B000000	0.00
030	C000000	0.00
031	A000000	0
031	B000000	0
032	000000	0
033	000000	0
035	000000	0
036	B000000	0
038	000000	0

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042	A000000	0
042	B000000	0
042	C000000	0
042	D000000	0
042	E000000	0
042	F000000	0
042	G000000	0
042	H000000	0
043	000000	0
044	000000	0
045	000000	Y
046	000000	N
047	000000	Y
048	000000	0.000
048	A010000	125000
048	A020000	0.650
048	B010000	125000
048	B020000	0.638
048	C010000	250000
048	C020000	0.625
048	D010000	500000
048	D020000	0.613
048	E010000	1000000
048	E020000	0.600
048	F010000	3000000
048	F020000	0.588
048	G010000	0
048	G020000	0.000
048	H010000	0
048	H020000	0.000
048	I010000	0
048	I020000	0.000
048	J010000	0
048	J020000	0.000
048	K010000	5000000
048	K020000	0.575

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049 000000 N  
 050 000000 N  
 051 000000 N  
 052 000000 N  
 053 A000000 Y  
 053 B000000 Y  
 053 C000000 N  
 054 A000000 Y  
 054 B000000 N  
 054 C000000 N  
 054 D000000 N  
 054 E000000 N  
 054 F000000 N  
 054 G000000 N  
 054 H000000 Y  
     PAGE 6  
 054 I000000 N  
 054 J000000 Y  
 054 K000000 N  
 054 L000000 N  
 054 M000000 Y  
 054 N000000 N  
 054 O000000 Y  
 055 A000000 Y  
 055 B000000 N  
 056 000000 N  
 057 000000 N  
 058 A000000 N  
 059 000000 Y  
 060 A000000 Y  
 060 B000000 Y  
 061 000000 0  
 062 A000000 Y  
 062 B000000 0.0  
 062 C000000 0.0  
 062 D000000 0.0  
 062 E000000 0.0  
 062 F000000 0.0  
 062 G000000 0.0  
 062 H000000 0.0  
 062 I000000 0.0  
 062 J000000 0.0  
 062 K000000 0.0  
 062 L000000 0.0  
 062 M000000 0.0  
 062 N000000 0.0  
 062 O000000 148.5  
 062 P000000 0.0  
 062 Q000000 0.0  
 062 R000000 0.0  
 063 A000000 0  
 063 B000000 5.6  
 064 A000000 Y  
 064 B000000 N  
 066 A000000 N  
 067 000000 N  
 068 A000000 N  
 068 B000000 N  
 069 000000 N  
 070 A010000 Y  
 070 A020000 N  
 070 B010000 N

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070 B020000 N  
 070 C010000 Y  
 070 C020000 N  
 070 D010000 N  
 070 D020000 N

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070 E010000 Y  
 070 E020000 N  
 070 F010000 N  
 070 F020000 N  
 070 G010000 Y  
 070 G020000 N  
 070 H010000 N  
 070 H020000 N  
 070 I010000 N  
 070 I020000 N  
 070 J010000 Y  
 070 J020000 N  
 070 K010000 N  
 070 K020000 N  
 070 L010000 N  
 070 L020000 N  
 070 M010000 N  
 070 M020000 N  
 070 N010000 Y  
 070 N020000 N  
 070 O010000 Y  
 070 O020000 N  
 070 P010000 N  
 070 P020000 N  
 070 Q010000 N  
 070 Q020000 N  
 070 R010000 N  
 070 R020000 N

071 A000000 20087  
 071 B000000 18076  
 071 C000000 278128  
 071 D000000 6  
 072 A000000 12  
 072 B000000 14988  
 072 C000000 0  
 072 D000000 0  
 072 E000000 0  
 072 F000000 1803  
 072 G000000 0  
 072 H000000 0  
 072 I000000 47  
 072 J000000 69  
 072 K000000 9  
 072 L000000 19  
 072 M000000 3  
 072 N000000 0  
 072 O000000 0  
 072 P000000 0  
 072 Q000000 0  
 072 R000000 12  
 072 S000000 3

PAGE 8

072 T000000 0  
 072 U000000 0  
 072 V000000 0  
 072 W000000 321

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072 X000000	2286
072 Y000000	14
072 Z000000	12716
072AA000000	92
072BB000000	0
072CC010000	0
072CC020000	195
072DD010000	10504
072DD020000	0
072EE000000	0
073 A010000	0.8310
073 A020000	0.0000
073 B000000	0.0000
073 C000000	0.0000
074 A000000	0
074 B000000	0
074 C000000	0
074 D000000	283479
074 E000000	0
074 F000000	0
074 G000000	0
074 H000000	0
074 I000000	0
074 J000000	135
074 K000000	0
074 L000000	4292
074 M000000	28
074 N000000	287934
074 O000000	0
074 P000000	155
074 Q000000	0
074 R010000	0
074 R020000	0
074 R030000	0
074 R040000	1909
074 S000000	95000
074 T000000	190870
074 U010000	12654
074 U020000	0
074 V010000	15.08
074 V020000	0.00
074 W000000	0.0000
074 X000000	710
074 Y000000	28235
075 A000000	0
075 B000000	185977
076 000000	14.80

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077 A000000	Y
077 B000000	Y
077 Q010000	Y
077 Q030000	Y
078 000000	N
080 A000000	FEDERAL INSURANCE CO.
080 B000000	CONTINENTAL CASUALTY, AIG, GULF
080 C000000	80000
081 A000000	Y
081 B000000	129
082 A000000	N
082 B000000	0
083 A000000	N
083 B000000	0

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084	A000000	N	
084	B000000		0
085	A000000	Y	
085	B000000	N	
086	A010000		23
086	A020000		339
086	B010000		0
086	B020000		0
086	C010000		0
086	C020000		0
086	D010000		0
086	D020000		0
086	E010000		0
086	E020000		0
086	F010000		0
086	F020000		0
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		