

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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006 000000 N
007 A000000 N
007 B000000 0
007 C010100 1
007 C010200 2
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007 C010600 6
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007 C010900 9
007 C011000 10
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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
015 C030001 02206
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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
022 D000005 0
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
022 D000007 0
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
054 L000000 N
054 M000000 Y
054 N000000 N
054 O000000 Y
055 A000000 Y
055 B000000 N
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059 000000 Y
060 A000000 Y
060 B000000 Y
061 000000 0
062 A000000 Y
PAGE 6
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066 A000000 N
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070 C020000 N
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070 F020000 N
070 G010000 Y
070 G020000 N
070 H010000 N
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070 I020000 N
070 J010000 Y
070 J020000 N

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070 K010000 N
070 K020000 N
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PAGE 7
070 M020000 N
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071 D000000 22
072 A000000 12
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072 C000000 0
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072 G000000 0
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072 I000000 44
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PAGE 8
073 C000000 0.0000
074 A000000 391
074 B000000 0
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074	D000000	283738
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080	B000000	GULF, AIG, GREAT AMERICAN, CNA
080	C000000	90000
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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