

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
004 000000 N
005 000000 N
006 000000 N
007 A000000 N
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007 C010100 1
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007 C010300 3
007 C010400 4
007 C010500 5
007 C010600 6
007 C010700 7
007 C010800 8
007 C010900 9
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PAGE 2
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013 A000001 ERNST & YOUNG
013 B010001 CHICAGO

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 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
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022 A000004 CITIGROUP GLOBAL MARKETS, INC.
PAGE 3
022 B000004 13-3214963
022 C000004 7228
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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
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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	E000000	N
054	F000000	N
054	G000000	N
054	H000000	Y
054	I000000	N
054	J000000	Y

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054	K000000	N	
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070	H010000	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
070 L020000 N
070 M010000 N
PAGE 7
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070 O020000 N
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070 P020000 N
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072 A000000 12
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072 G000000 0
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PAGE 8
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074 A000000 391
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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