

NUVEEN INSURED CALIFORNIA PREMIUM INCOME MUNICIPAL FUND 2 IN
Form NSAR-B
October 28, 2004

PAGE 1
000 B000000 08/31/2004
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
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006 000000 N
007 A000000 N
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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 LLP
013 B010001 CHICAGO

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013 B020001 IL
013 B030001 60606
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 CITIGROUP GLOBAL MARKETS, INC.
022 B000001 13-3214963
022 C000001 15022
022 D000001 7369
022 A000002 BEAR STEARNS
022 B000002 13-3604093
022 C000002 7817
022 D000002 10716
022 A000003 STONE & YOUNGBERG
022 B000003 94-1052545
022 C000003 9484
022 D000003 8528
022 A000004 DAIN RAUSCHER
PAGE 3
022 B000004 41-0212020
022 C000004 11003
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022 A000005 LEHMAN BROTHERS
022 B000005 13-2518466
022 C000005 10139
022 D000005 4193
022 A000006 JPMORGAN
022 B000006 13-3224016
022 C000006 6826
022 D000006 4018
022 A000007 A.G. EDWARDS
022 B000007 43-0895447
022 C000007 0
022 D000007 6163
022 A000008 MERRILL LYNCH

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022	B000008	13-5674085	
022	C000008	2243	
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022	A000009	UBS FINANCIAL SERVICES	
022	B000009	13-2638166	
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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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060 A000000 Y
060 B000000 Y
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062 A000000 Y
PAGE 6
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066 A000000 N
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068 A000000 N
068 B000000 N
069 000000 N
070 A010000 Y
070 A020000 N
070 B010000 N
070 B020000 N
070 C010000 Y
070 C020000 N
070 D010000 N
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070 E010000 Y
070 E020000 N
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070 F020000 N
070 G010000 Y
070 G020000 N
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
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 PAGE 7
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 073 A010000 0.9120
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 073 C000000 0.0000
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080	B000000	QUANTA INDEMNITY, AIG, GREAT AMERICAN, CNA
080	C000000	90000
081	A000000	Y
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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