

NUVEEN INSURED CALIFORNIA PREMIUM INCOME MUNICIPAL FUND 2 IN
Form NSAR-A
April 29, 2008

PAGE 1
000 A000000 02/29/2008
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 811-07492
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
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 ASSET MANAGEMENT
008 B000001 A
008 C000001 801-14147
008 D010001 CHICAGO
008 D020001 IL
008 D030001 60606
008 D040001 1286
012 A000001 EQUISERVE INC.
012 B000001 84-05925
012 C010001 PROVIDENCE
012 C020001 RI
012 C030001 02940
013 A000001 ERNST & YOUNG LLP
013 B010001 CHICAGO
013 B020001 IL
013 B030001 60606
014 A000001 NUVEEN INVESTMENTS, LLC
014 B000001 8-13464
PAGE 2
015 A000001 STATE STREET BANK AND TRUST COMPANY
015 B000001 C
015 C010001 BOSTON
015 C020001 MA
015 C030001 02110
015 E010001 X

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018 000000 Y
019 A000000 Y
019 B000000 184
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022 A000001 LEHMAN BROTHERS, INC
022 B000001 13-2518466
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022 A000002 BEAR STEANRS
022 B000002 13-3604093
022 C000002 2906
022 D000002 6549
022 A000003 MORGAN STANLEY
022 B000003 13-2655998
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022 D000003 0
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022 C000004 1965
022 D000004 1927
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022 C000005 0
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022 A000006 BANK OF AMERICA
022 B000006 56-2058405
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022 B000007 39-1384463
022 C000007 0
022 D000007 1813
022 A000008 JP MORGAN CHASE
022 B000008 13-3224016
PAGE 3
022 C000008 1549
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022 A000009 E.J. DE LA ROSA
022 B000009 95-4223441
022 C000009 0
022 D000009 1223
022 A000010 STEPHENS INC
022 B000010 71-0211822
022 C000010 0
022 D000010 218
023 C000000 20695
023 D000000 21290
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025 D000001 0
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064 A000000 Y
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066 A000000 N
067 000000 N
068 A000000 N
068 B000000 N
069 000000 N
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070 P020000 N
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070 Q020000 N
070 R010000 N
070 R020000 N
071 A000000 20695

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071 B000000 21575
 071 C000000 276916
 071 D000000 7
 072 A000000 6
 072 B000000 7002

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 072 E000000 0
 072 F000000 879
 072 G000000 0
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074 Q000000 0
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074	R040000	17535
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078	000000	N
080	A000000	CHUBB GROUP OF INSURANCE COMPANIES
080	B000000	AIG, GREAT AMERICAN, ST. PAUL & CNA
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081	B000000	0
082	B000000	0
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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	