

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
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007 C010800 8
007 C010900 9
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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
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 022 A000001 LEHMAN BROTHERS, INC
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 022 A000002 BEAR STEANRS
 022 B000002 13-3604093
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 022 D000002 6549
 022 A000003 MORGAN STANLEY
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 PAGE 3
 022 C000008 1549
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 022 A000009 E.J. DE LA ROSA
 022 B000009 95-4223441
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 022 A000010 STEPHENS INC
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PAGE 6

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070 P020000 N
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071 B000000 21575
 071 C000000 276916
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074 Q000000 0
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| 074 | S000000 | 95000 |
| 074 | T000000 | 171124 |
| 074 | U010000 | 12716 |
| 074 | U020000 | 0 |
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| 074 | V020000 | 0.00 |
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| 074 | X000000 | 481 |
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| 075 | B000000 | 187387 |
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| 077 | C000000 | Y |
| 077 | O000000 | Y |
| 077 | Q010000 | Y |
| 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 |
| 083 | B000000 | 0 |
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| 086 | A020000 | 0 |
| 086 | B010000 | 0 |
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| 086 | D010000 | 0 |
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| 087 | A010000 | COMMON STOCK |
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| 087 | A030000 | NCL |
| 088 | A000000 | N |
| 088 | B000000 | N |
| 088 | C000000 | N |
| 088 | D000000 | Y |
| SIGNATURE | STEPHEN D. FOY | |
| TITLE | V.P. & CONTROLLER | |