

NUVEEN INSURED CALIFORNIA PREMIUM INCOME MUNICIPAL FUND 2 IN  
Form NSAR-B  
April 24, 2002

PAGE 1  
000 A000000 02/28/2002  
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  
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 ADVISORY CORP  
008 B000001 A  
008 C000001 801-12353  
008 D010001 CHICAGO  
008 D020001 IL  
008 D030001 60606  
008 D040001 1286  
011 A000001 PAINE WEBBER  
011 B000001 8-16267  
011 C010001 NEW YORK  
011 C020001 NY  
011 C030001 10019  
011 A000002 ALEX BROWN & SONS  
011 B000002 8-31213  
011 C010002 BALTIMORE  
011 C020002 MD  
011 C030002 21202  
011 A000003 PRUDENTIAL SECURITIES INC.  
PAGE 2  
011 B000003 8-12321  
011 C010003 NEW YORK  
011 C020003 NY  
011 C030003 10292  
011 A000004 A.G. EDWARDS & SONS, INC.  
011 B000004 8-13580

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011 C010004 ST. LOUIS  
011 C020004 MO  
011 C030004 63103  
011 A000005 NUVEEN INVESTMENTS  
011 B000005 8-13464  
011 C010005 CHICAGO  
011 C020005 IL  
011 C030005 60606  
011 C040005 1286  
011 A000006 LEHMAN BROTHERS  
011 B000006 8-12324  
011 C010006 NEW YORK  
011 C020006 NY  
011 C030006 10285  
011 A000007 CROWELL, WEEDON & CO.  
011 B000007 8-3710  
011 C010007 LOS ANGELES  
011 C020007 CA  
011 C030007 90017  
011 A000008 SMITH BARNEY, HARRIS UPHMAN & CO.  
011 B000008 8-08177  
011 C010008 NEW YORK  
011 C020008 NY  
011 C030008 10105  
011 A000009 KEMPER SECURITIES INC.  
011 B000009 8-37180  
011 C010009 CHICAGO  
011 C020009 IL  
011 C030009 60606  
011 A000010 SUTRO & CO., INC.  
011 B000010 8-15491  
011 C010010 SAN FRANCISCO  
011 C020010 CA  
011 C030010 94111  
012 A000001 CHASE MANHATTAN BANK, N.A.  
012 B000001 85-10233  
012 C010001 NEW YORK  
012 C020001 NY  
012 C030001 10003  
013 A000001 ERNST & YOUNG  
013 B010001 CHICAGO  
013 B020001 IL  
013 B030001 60611  
014 A000001 NUVEEN INVESTMENTS  
014 B000001 8-13464  
PAGE 3  
015 A000001 CHASE MANHATTAN BANK, N.A.  
015 B000001 C  
015 C010001 NEW YORK  
015 C020001 NY  
015 C030001 10003  
015 E010001 X  
015 A000002 DELETE  
015 A000003 BANK OF NEW YORK  
015 B000003 S  
015 C010003 NEW YORK  
015 C020003 NY  
015 C030003 10007  
015 E010003 X  
015 A000004 BANKERS TRUST COMPANY  
015 B000004 S  
015 C010004 NEW YORK

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015 C020004 NY  
015 C030004 10015  
015 E010004 X  
015 A000005 DELETE  
015 A000006 DELETE  
015 A000007 NATIONS BANK OF NORTH CAROLINA NA  
015 B000007 S  
015 C010007 CHARLOTTE  
015 C020007 NC  
015 C030007 28255  
015 E010007 X  
018 000000 Y  
019 A000000 Y  
019 B000000 121  
019 C000000 NUVEENFUND  
020 A000001 -  
020 C000001 0  
020 C000002 0  
020 C000003 0  
020 C000004 0  
020 C000005 0  
020 C000006 0  
020 C000007 0  
020 C000008 0  
020 C000009 0  
020 C000010 0  
021 000000 0  
022 A000001 SALOMON SMITH BARNEY  
022 B000001 13-1912900  
022 C000001 1942  
022 D000001 4923  
022 A000002 GOLDMAN SACHS  
022 B000002 13-5108880  
022 C000002 4890  
022 D000002 0  
PAGE 4  
022 A000003 BEAR STEARNS  
022 B000003 13-3604093  
022 C000003 3000  
022 D000003 0  
022 A000004 A.G. EDWARDS  
022 B000004 43-0895447  
022 C000004 0  
022 D000004 2712  
022 A000005 BANC AMERICA  
022 B000005 94-1687675  
022 C000005 2526  
022 D000005 0  
022 A000006 STEPHENS  
022 B000006 71-0211822  
022 C000006 0  
022 D000006 1990  
022 A000007 DAIN RAUSCHER  
022 B000007 41-0212020  
022 C000007 0  
022 D000007 995  
022 A000008 FIDELITY CAPITAL  
022 B000008 04-2785576  
022 C000008 390  
022 D000008 0  
022 C000009 0  
022 D000009 0

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|     |           |       |
|-----|-----------|-------|
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| 025 | D000002   | 0     |
| 025 | D000003   | 0     |
| 025 | D000004   | 0     |
| 025 | D000005   | 0     |
| 025 | D000006   | 0     |
| 025 | D000007   | 0     |
| 025 | D000008   | 0     |
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| 026 | B000000 N |       |
| 026 | C000000 N |       |
| 026 | D000000 Y |       |
| 026 | E000000 N |       |
| 026 | F000000 N |       |
| 026 | G010000 N |       |
| 026 | G020000 N |       |
| 026 | H000000 N |       |
| 027 | 000000 N  |       |
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| 028 | A020000   | 0     |
|     | PAGE 5    |       |
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| 028 | A040000   | 0     |
| 028 | B010000   | 0     |
| 028 | B020000   | 0     |
| 028 | B030000   | 0     |
| 028 | B040000   | 0     |
| 028 | C010000   | 0     |
| 028 | C020000   | 0     |
| 028 | C030000   | 0     |
| 028 | C040000   | 0     |
| 028 | D010000   | 0     |
| 028 | D020000   | 0     |
| 028 | D030000   | 0     |
| 028 | D040000   | 0     |
| 028 | E010000   | 0     |
| 028 | E020000   | 0     |
| 028 | E030000   | 0     |
| 028 | E040000   | 0     |
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| 028 | F020000   | 0     |
| 028 | F030000   | 0     |
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| 031 | B000000   | 0     |
| 032 | 000000    | 0     |
| 033 | 000000    | 0     |
| 035 | 000000    | 0     |
| 036 | B000000   | 0     |

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|     |         |         |
|-----|---------|---------|
| 038 | 000000  | 0       |
| 042 | A000000 | 0       |
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| 042 | C000000 | 0       |
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| 042 | E000000 | 0       |
| 042 | F000000 | 0       |
| 042 | G000000 | 0       |
| 042 | H000000 | 0       |
| 043 | 000000  | 0       |
| 044 | 000000  | 0       |
| 045 | 000000  | Y       |
| 046 | 000000  | N       |
| 047 | 000000  | Y       |
| 048 | 000000  | 0.000   |
|     | PAGE    | 6       |
| 048 | A010000 | 125000  |
| 048 | A020000 | 0.650   |
| 048 | B010000 | 125000  |
| 048 | B020000 | 0.638   |
| 048 | C010000 | 250000  |
| 048 | C020000 | 0.625   |
| 048 | D010000 | 500000  |
| 048 | D020000 | 0.613   |
| 048 | E010000 | 1000000 |
| 048 | E020000 | 0.600   |
| 048 | F010000 | 3000000 |
| 048 | F020000 | 0.588   |
| 048 | G010000 | 0       |
| 048 | G020000 | 0.000   |
| 048 | H010000 | 0       |
| 048 | H020000 | 0.000   |
| 048 | I010000 | 0       |
| 048 | I020000 | 0.000   |
| 048 | J010000 | 0       |
| 048 | J020000 | 0.000   |
| 048 | K010000 | 5000000 |
| 048 | K020000 | 0.575   |
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| 050 | 000000  | N       |
| 051 | 000000  | N       |
| 052 | 000000  | N       |
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| 053 | B000000 | Y       |
| 053 | C000000 | N       |
| 054 | A000000 | Y       |
| 054 | B000000 | N       |
| 054 | C000000 | N       |
| 054 | D000000 | N       |
| 054 | E000000 | N       |
| 054 | F000000 | N       |
| 054 | G000000 | N       |
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| 054 | J000000 | Y       |
| 054 | K000000 | N       |
| 054 | L000000 | N       |
| 054 | M000000 | Y       |
| 054 | N000000 | N       |
| 054 | O000000 | Y       |
| 055 | A000000 | N       |
| 055 | B000000 | N       |

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056 000000 N  
057 000000 N  
058 A000000 N  
059 000000 Y  
060 A000000 Y  
PAGE 7  
060 B000000 Y  
061 000000 0  
062 A000000 Y  
062 B000000 0.0  
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062 F000000 0.0  
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063 B000000 6.3  
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064 B000000 N  
066 A000000 N  
067 000000 N  
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  
070 D020000 N  
070 E010000 Y  
070 E020000 N  
070 F010000 N  
070 F020000 N  
070 G010000 Y  
070 G020000 N  
070 H010000 N  
070 H020000 N  
070 I010000 N  
070 I020000 N  
070 J010000 Y  
070 J020000 N  
070 K010000 N  
070 K020000 N  
PAGE 8  
070 L010000 N  
070 L020000 N  
070 M010000 N  
070 M020000 N

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|       |         |   |        |
|-------|---------|---|--------|
| 070   | N010000 | Y |        |
| 070   | N020000 | N |        |
| 070   | O010000 | Y |        |
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| 070   | P010000 | N |        |
| 070   | P020000 | N |        |
| 070   | Q010000 | N |        |
| 070   | Q020000 | N |        |
| 070   | R010000 | N |        |
| 070   | R020000 | N |        |
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| 071   | B000000 |   | 12140  |
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| 072   | J000000 |   | 38     |
| 072   | K000000 |   | 6      |
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| 072   | Q000000 |   | 0      |
| 072   | R000000 |   | 7      |
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| 072   | T000000 |   | 0      |
| 072   | U000000 |   | 0      |
| 072   | V000000 |   | 0      |
| 072   | W000000 |   | 164    |
| 072   | X000000 |   | 1149   |
| 072   | Y000000 |   | 9      |
| 072   | Z000000 |   | 6354   |
| 072AA | 000000  |   | 642    |
| 072BB | 000000  |   | 0      |
| 072CC | 010000  |   | 0      |
| 072CC | 020000  |   | 3687   |
| 072DD | 010000  |   | 5136   |
| 072DD | 020000  |   | 0      |
| 072EE | 000000  |   | 0      |
|       | PAGE    | 9 |        |
| 073   | A010000 |   | 0.4065 |
| 073   | A020000 |   | 0.0000 |
| 073   | B000000 |   | 0.0000 |
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| 074   | C000000 |   | 0      |
| 074   | D000000 |   | 278960 |
| 074   | E000000 |   | 0      |
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| 074   | G000000 |   | 0      |
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| 074   | I000000 |   | 0      |
| 074   | J000000 |   | 0      |

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|           |                   |              |
|-----------|-------------------|--------------|
| 074       | K000000           | 0            |
| 074       | L000000           | 4402         |
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| 074       | N000000           | 283400       |
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| 074       | P000000           | 138          |
| 074       | Q000000           | 0            |
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| 074       | R020000           | 0            |
| 074       | R030000           | 0            |
| 074       | R040000           | 994          |
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| 074       | T000000           | 187268       |
| 074       | U010000           | 12639        |
| 074       | U020000           | 0            |
| 074       | V010000           | 14.82        |
| 074       | V020000           | 0.00         |
| 074       | W000000           | 0.0000       |
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| 074       | Y000000           | 28059        |
| 075       | A000000           | 0            |
| 075       | B000000           | 281917       |
| 076       | 000000            | 14.80        |
| 077       | A000000           | N            |
| 078       | 000000            | N            |
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| 081       | B000000           | 0            |
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| 086       | A020000           | 109          |
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| 086       | B020000           | 0            |
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| 086       | C020000           | 0            |
| 086       | D010000           | 0            |
|           | PAGE              | 10           |
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| 086       | E010000           | 0            |
| 086       | E020000           | 0            |
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| 086       | F020000           | 0            |
| 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 |              |