

NUVEEN INSURED CALIFORNIA PREMIUM INCOME MUNICIPAL FUND 2 IN
Form NSAR-A
October 31, 2011

PAGE 1
000 A000000 08/31/2011
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
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 FUND ADVISORS, INC.
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 | | 245 |
| 019 | C000000 | NUVEENFUND | |
| 020 | C000001 | | 0 |
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| 020 | C000003 | | 0 |
| 020 | C000004 | | 0 |
| 020 | C000005 | | 0 |
| 020 | C000006 | | 0 |
| 020 | C000007 | | 0 |
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| 021 | 000000 | | 0 |
| 022 | A000001 | GOLDMAN SACHS | |
| 022 | B000001 | 13-5108880 | |
| 022 | C000001 | | 5029 |
| 022 | D000001 | | 2280 |
| 022 | A000002 | PIPER JAFFRAY | |
| 022 | B000002 | 41-0953246 | |
| 022 | C000002 | | 0 |
| 022 | D000002 | | 1731 |
| 022 | A000003 | SOUTHWEST SECURITIES | |
| 022 | B000003 | 75-1372137 | |
| 022 | C000003 | | 0 |
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| 022 | D000009 | | 0 |
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| 023 | C000000 | | 5029 |
| 023 | D000000 | | 4971 |
| 024 | 000000 | N | |
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| 025 | D000002 | | 0 |
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| 025 | D000008 | | 0 |
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| 026 | E000000 | N | |
| 026 | F000000 | N | |
| 026 | G010000 | N | |
| 026 | G020000 | N | |
| 026 | H000000 | N | |

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| | | | |
|-----|---------|-------|-------|
| 027 | 000000 | N | |
| 028 | A010000 | | 0 |
| 028 | A020000 | | 0 |
| 028 | A030000 | | 0 |
| 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 | F030000 | | 0 |
| 028 | F040000 | | 0 |
| 028 | G010000 | | 0 |
| 028 | G020000 | | 0 |
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| 028 | G040000 | | 0 |
| 028 | H000000 | | 0 |
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| 030 | B000000 | 0.00 | |
| 030 | C000000 | 0.00 | |
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| 031 | B000000 | | 0 |
| | PAGE | 4 | |
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| 033 | 000000 | | 0 |
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| 038 | 000000 | | 0 |
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| 042 | C000000 | | 0 |
| 042 | D000000 | | 0 |
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| 046 | 000000 | N | |
| 047 | 000000 | N | |
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| 048 | B020000 | 0.000 | |
| 048 | C010000 | | 0 |
| 048 | C020000 | 0.000 | |
| 048 | D010000 | | 0 |

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| | | | |
|-----|---------|-------|-----|
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| 048 | E020000 | 0.000 | |
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| 048 | F020000 | 0.000 | |
| 048 | G010000 | | 0 |
| 048 | G020000 | 0.000 | |
| 048 | H010000 | | 0 |
| 048 | H020000 | 0.000 | |
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| 048 | I020000 | 0.000 | |
| 048 | J010000 | | 0 |
| 048 | J020000 | 0.000 | |
| 048 | K010000 | | 0 |
| 048 | K020000 | 0.000 | |
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| 050 | 000000 | N | |
| 051 | 000000 | N | |
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| 054 | A000000 | Y | |
| 054 | B000000 | N | |
| 054 | C000000 | N | |
| 054 | D000000 | N | |
| 054 | E000000 | N | |
| | PAGE | 5 | |
| 054 | F000000 | N | |
| 054 | G000000 | N | |
| 054 | H000000 | Y | |
| 054 | I000000 | N | |
| 054 | J000000 | Y | |
| 054 | K000000 | N | |
| 054 | L000000 | N | |
| 054 | M000000 | Y | |
| 054 | N000000 | N | |
| 054 | O000000 | Y | |
| 055 | A000000 | Y | |
| 055 | B000000 | N | |
| 056 | 000000 | Y | |
| 057 | 000000 | N | |
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| 059 | 000000 | Y | |
| 060 | A000000 | Y | |
| 060 | B000000 | Y | |
| 061 | 000000 | | 0 |
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| 062 | B000000 | | 0.0 |
| 062 | C000000 | | 0.0 |
| 062 | D000000 | | 0.0 |
| 062 | E000000 | | 0.0 |
| 062 | F000000 | | 0.0 |
| 062 | G000000 | | 0.0 |
| 062 | H000000 | | 0.0 |
| 062 | I000000 | | 0.0 |
| 062 | J000000 | | 0.0 |
| 062 | K000000 | | 0.0 |
| 062 | L000000 | | 0.0 |
| 062 | M000000 | | 0.0 |
| 062 | N000000 | | 0.0 |
| 062 | O000000 | 147.3 | |
| 062 | P000000 | | 0.0 |
| 062 | Q000000 | | 0.0 |

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| | | |
|-----|---------|--------|
| 062 | R000000 | 0.0 |
| 063 | A000000 | 0 |
| 063 | B000000 | 11.6 |
| 064 | A000000 | Y |
| 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 |
| | PAGE | 6 |
| 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 |
| 070 | L010000 | N |
| 070 | L020000 | N |
| 070 | M010000 | N |
| 070 | M020000 | N |
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| 070 | O010000 | Y |
| 070 | O020000 | N |
| 070 | P010000 | N |
| 070 | P020000 | N |
| 070 | Q010000 | N |
| 070 | Q020000 | N |
| 070 | R010000 | N |
| 070 | R020000 | N |
| 071 | A000000 | 5029 |
| 071 | B000000 | 8336 |
| 071 | C000000 | 258664 |
| 071 | D000000 | 2 |
| 072 | A000000 | 6 |
| 072 | B000000 | 7032 |
| 072 | C000000 | 0 |
| 072 | D000000 | 0 |
| 072 | E000000 | 0 |
| 072 | F000000 | 834 |
| 072 | G000000 | 0 |
| 072 | H000000 | 0 |
| 072 | I000000 | 6 |
| 072 | J000000 | 24 |
| 072 | K000000 | 4 |

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| | |
|-------------|-----|
| 072 L000000 | 8 |
| 072 M000000 | 3 |
| 072 N000000 | 0 |
| 072 O000000 | 0 |
| 072 P000000 | 212 |

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| | |
|-------------|--------|
| 072 Q000000 | 0 |
| 072 R000000 | 12 |
| 072 S000000 | 2 |
| 072 T000000 | 0 |
| 072 U000000 | 0 |
| 072 V000000 | 0 |
| 072 W000000 | 363 |
| 072 X000000 | 1468 |
| 072 Y000000 | 0 |
| 072 Z000000 | 5565 |
| 072AA000000 | 249 |
| 072BB000000 | 0 |
| 072CC010000 | 14907 |
| 072CC020000 | 0 |
| 072DD010000 | 5471 |
| 072DD020000 | 0 |
| 072EE000000 | 0 |
| 073 A010000 | 0.4320 |
| 073 A020000 | 0.0000 |
| 073 B000000 | 0.0000 |
| 073 C000000 | 0.0000 |
| 074 A000000 | 488 |
| 074 B000000 | 0 |
| 074 C000000 | 0 |
| 074 D000000 | 266052 |
| 074 E000000 | 0 |
| 074 F000000 | 0 |
| 074 G000000 | 0 |
| 074 H000000 | 0 |
| 074 I000000 | 0 |
| 074 J000000 | 3264 |
| 074 K000000 | 0 |
| 074 L000000 | 4016 |
| 074 M000000 | 84 |
| 074 N000000 | 273904 |
| 074 O000000 | 0 |
| 074 P000000 | 145 |
| 074 Q000000 | 0 |
| 074 R010000 | 0 |
| 074 R020000 | 0 |
| 074 R030000 | 0 |
| 074 R040000 | 93149 |
| 074 S000000 | 0 |
| 074 T000000 | 180610 |
| 074 U010000 | 12664 |
| 074 U020000 | 0 |
| 074 V010000 | 14.26 |
| 074 V020000 | 0.00 |
| 074 W000000 | 0.0000 |
| 074 X000000 | 360 |
| 074 Y000000 | 292037 |

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| | |
|-------------|--------|
| 075 A000000 | 0 |
| 075 B000000 | 171414 |
| 076 000000 | 13.64 |
| 077 A000000 | N |

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| | | | |
|-----------|-------------------|--------------|---|
| 078 | 000000 | N | |
| 080 | C000000 | | 0 |
| 081 | B000000 | | 0 |
| 082 | B000000 | | 0 |
| 083 | B000000 | | 0 |
| 084 | B000000 | | 0 |
| 086 | A010000 | | 0 |
| 086 | A020000 | | 0 |
| 086 | B010000 | | 0 |
| 086 | B020000 | | 0 |
| 086 | C010000 | | 0 |
| 086 | C020000 | | 0 |
| 086 | D010000 | | 0 |
| 086 | D020000 | | 0 |
| 086 | E010000 | | 0 |
| 086 | E020000 | | 0 |
| 086 | F010000 | | 0 |
| 086 | F020000 | | 0 |
| 087 | A010000 | COMMON STOCK | |
| 087 | A020000 | 67061U108 | |
| 087 | A030000 | NCL | |
| 088 | A000000 | N | |
| 088 | B000000 | N | |
| 088 | C000000 | N | |
| 088 | D000000 | N | |
| SIGNATURE | STEPHEN D. FOY | | |
| TITLE | V.P. & CONTROLLER | | |