

NUVEEN INSURED CALIFORNIA PREMIUM INCOME MUNICIPAL FUND 2 IN
Form NSAR-A
April 27, 2004

PAGE 1
000 A000000 02/29/2004
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
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002 D010000 60606
002 D020000 1286
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PAGE 2
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012 C010001 BOSTON
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013 A000001 ERNST & YOUNG
013 B010001 CHICAGO

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013 B020001 IL
013 B030001 60611
014 A000001 NUVEEN INVESTMENTS, LLC
014 B000001 8-13464
015 A000001 STATE STREET BANK AND TRUST COMPANY
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022 B000001 13-3604093
022 C000001 7817
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022 A000002 CITIGROUP GLOBAL MARKETS, INC.
022 B000002 13-3214963
022 C000002 9403
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022 A000003 DAIN RAUSCHER
022 B000003 41-0212020
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022 A000004 LEHMAN BROTHERS
PAGE 3
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022 B000005 43-0895447
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022 A000007 JPMORGAN
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022 A000008 RAYMOND JAMES

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070	I020000	N	
070	J010000	Y	
070	J020000	N	

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070 K010000 N
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 070 L010000 N
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 PAGE 7
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PAGE 9

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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