

NUVEEN INSURED CALIFORNIA PREMIUM INCOME MUNICIPAL FUND 2 IN  
Form NSAR-B  
October 29, 2003

PAGE 1  
000 B000000 08/31/2003  
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000 E000000 NF  
000 F000000 Y  
000 G000000 N  
000 H000000 N  
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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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007 C010700 7  
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008 A000001 NUVEEN ADVISORY CORP  
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012 A000001 EQUISERVE INC.  
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012 B000001 84-05925  
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012 C020001 MA  
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013 A000001 ERNST & YOUNG  
013 B010001 CHICAGO

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 13-2655998  
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022 D000001 1281  
022 A000002 MERRILL LYNCH  
022 B000002 13-5674085  
022 C000002 4422  
022 D000002 8289  
022 A000003 DAIN RAUSCHER  
022 B000003 41-0212020  
022 C000003 5208  
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022 A000004 CITIGROUP GLOBAL MARKETS, INC.  
PAGE 3  
022 B000004 13-3214963  
022 C000004 7228  
022 D000004 0  
022 A000005 LEHMAN BROTHERS  
022 B000005 13-2518466  
022 C000005 4656  
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022 A000006 UBS FINANCIAL SERVICES  
022 B000006 13-2638166  
022 C000006 4426  
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022 A000007 BEAR STEARNS  
022 B000007 13-3604093  
022 C000007 4020  
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022 A000008 FIRST ALBANY

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022	B000008	14-1391446	
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054 K000000 N  
054 L000000 N  
054 M000000 Y  
054 N000000 N  
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055 B000000 N  
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PAGE 6  
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070 J010000 Y  
070 J020000 N

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080	C000000	90000
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086	F010000	0
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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