

NUVEEN ARIZONA DIVIDEND ADVANTAGE MUNICIPAL FUND 3

Form NSAR-B

September 28, 2007

PAGE 1  
000 B000000 07/31/2007  
000 C000000 0001177212  
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 AZ DIVIDEND ADVANTAGE MUNICIPAL FUND 3  
001 B000000 811-21157  
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 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  
 019 A000000 Y  
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 019 C000000 NUVEENFUND  
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 020 C000002 0  
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 020 C000009 0  
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 021 000000 0  
 022 A000001 MORGAN STANLEY  
 022 B000001 13-2655998  
 022 C000001 4017  
 022 D000001 3277  
 022 A000002 JP MORGAN CHASE  
 022 B000002 13-3224016  
 022 C000002 1386  
 022 D000002 4987  
 022 A000003 RBC DOMINION  
 022 B000003 13-5033225  
 022 C000003 2196  
 022 D000003 1254  
 022 A000004 GEORGE K. BAUM & CO.  
 022 B000004 44-0522232  
 022 C000004 3396  
 022 D000004 0  
 022 A000005 BANK OF AMERICA  
 022 B000005 56-2058405  
 022 C000005 490  
 022 D000005 1922  
 022 A000006 CITIGROUP  
 022 B000006 13-3214963  
 022 C000006 1037  
 022 D000006 1095  
 022 A000007 FIDELITY CAPITAL MKT  
 022 B000007 04-2785576  
 022 C000007 0  
 022 D000007 1292  
 022 A000008 STPHENS INC  
 022 B000008 71-0211822  
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 022 C000008 0  
 022 D000008 1125  
 022 A000009 WACHOVIA  
 022 B000009 56-0927594  
 022 C000009 1034  
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 022 A000010 STONE & YOUNG  
 022 B000010 94-1052545  
 022 C000010 945  
 022 D000010 0  
 023 C000000 16408  
 023 D000000 16202  
 024 000000 N  
 025 D000001 0  
 025 D000002 0  
 025 D000003 0

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| 025 | D000004 | 0    |
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| 025 | D000006 | 0    |
| 025 | D000007 | 0    |
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| 026 | D000000 | Y    |
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| 026 | F000000 | N    |
| 026 | G010000 | N    |
| 026 | G020000 | N    |
| 026 | H000000 | N    |
| 027 | 000000  | N    |
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| 028 | A020000 | 0    |
| 028 | A030000 | 0    |
| 028 | A040000 | 0    |
| 028 | B010000 | 0    |
| 028 | B020000 | 0    |
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| 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    |
|     | PAGE 4  |      |
| 028 | F010000 | 0    |
| 028 | F020000 | 0    |
| 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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| 035 | 000000  | 0    |
| 036 | B000000 | 0    |
| 038 | 000000  | 0    |
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| 042 | C000000 | 0    |
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| 042 | E000000 | 0    |
| 042 | F000000 | 0    |
| 042 | G000000 | 0    |

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042 H000000 0  
043 000000 0  
044 000000 0  
045 000000 Y  
046 000000 N  
047 000000 N  
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048 A010000 0  
048 A020000 0.000  
048 B010000 0  
048 B020000 0.000  
048 C010000 0  
048 C020000 0.000  
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048 D020000 0.000  
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048 E020000 0.000  
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048 G010000 0  
048 G020000 0.000  
048 H010000 0  
048 H020000 0.000  
048 I010000 0  
048 I020000 0.000  
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048 J020000 0.000  
048 K010000 0  
048 K020000 0.000  
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050 000000 N  
051 000000 N  
052 000000 Y  
053 A000000 Y  
053 B000000 Y  
053 C000000 N  
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054 B000000 N  
054 C000000 N  
054 D000000 N  
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054 H000000 Y  
054 I000000 N  
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054 K000000 N  
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054 M000000 Y  
054 N000000 N  
054 O000000 Y  
055 A000000 Y  
055 B000000 N  
056 000000 Y  
057 000000 N  
058 A000000 N  
059 000000 Y  
060 A000000 N  
060 B000000 N  
061 000000 0  
062 A000000 Y

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062 B000000 0.0  
062 C000000 0.0  
062 D000000 0.0  
062 E000000 0.0  
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062 J000000 0.0  
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062 N000000 0.0  
062 O000000 158.1  
062 P000000 0.0

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062 Q000000 0.0  
062 R000000 0.0  
063 A000000 0  
063 B000000 7.8  
064 A000000 Y  
064 B000000 N  
066 A000000 N  
067 000000 N  
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068 B000000 N  
069 000000 N  
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070 N020000 N  
070 O010000 Y  
070 O020000 Y  
070 P010000 N  
070 P020000 N  
070 Q010000 N  
070 Q020000 N  
070 R010000 N

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070 R020000 N  
 071 A000000 14420  
 071 B000000 10558  
 071 C000000 65871  
 071 D000000 15

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072 A000000 12  
 072 B000000 3138  
 072 C000000 0  
 072 D000000 0  
 072 E000000 0  
 072 F000000 422  
 072 G000000 0  
 072 H000000 0  
 072 I000000 10  
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 072 L000000 8  
 072 M000000 2  
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 072 O000000 0  
 072 P000000 45  
 072 Q000000 0  
 072 R000000 11  
 072 S000000 1  
 072 T000000 0  
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 072 V000000 0  
 072 W000000 77  
 072 X000000 593  
 072 Y000000 213  
 072 Z000000 2758

072AA000000 86  
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 072CC020000 403  
 072DD010000 2049  
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 072EE000000 0

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 073 C000000 0.0000

074 A000000 192  
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 074 J000000 0  
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 074 L000000 446  
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 074 N000000 69503

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074 O000000 0  
 074 P000000 17  
 074 Q000000 0  
 074 R010000 0

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|           |                 |                                    |
|-----------|-----------------|------------------------------------|
| 074       | R020000         | 0                                  |
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| 074       | R040000         | 3934                               |
| 074       | S000000         | 22000                              |
| 074       | T000000         | 43552                              |
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| 074       | Y000000         | 3500                               |
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| 075       | B000000         | 3068                               |
| 076       | 000000          | 13.44                              |
| 077       | A000000         | Y                                  |
| 077       | B000000         | Y                                  |
| 078       | 000000          | N                                  |
| 080       | A000000         | CHUBB GROUP OF INSURANCE COMPANIES |
| 080       | B000000         | AIG, GREAT AMERICAN, S. PAUL & CNA |
| 080       | C000000         | 110000                             |
| 081       | A000000         | Y                                  |
| 081       | B000000         | 175                                |
| 082       | A000000         | N                                  |
| 082       | B000000         | 0                                  |
| 083       | A000000         | N                                  |
| 083       | B000000         | 0                                  |
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| 084       | B000000         | 0                                  |
| 085       | A000000         | Y                                  |
| 085       | B000000         | N                                  |
| 086       | A010000         | 0                                  |
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| 086       | B010000         | 0                                  |
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| 086       | C010000         | 0                                  |
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| 086       | D010000         | 0                                  |
| 086       | D020000         | 0                                  |
| 086       | E010000         | 0                                  |
| 086       | E020000         | 0                                  |
| 086       | F010000         | 0                                  |
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| 087       | A010000         | COMMON STOCK                       |
| 087       | A020000         | 67072E101                          |
| 087       | A030000         | NXE                                |
| 088       | A000000         | N                                  |
|           | PAGE            | 9                                  |
| 088       | B000000         | N                                  |
| 088       | C000000         | N                                  |
| 088       | D000000         | Y                                  |
| SIGNATURE | STEPHEN D. FOY  |                                    |
| TITLE     | VP & CONTROLLER |                                    |