

NUVEEN ARIZONA DIVIDEND ADVANTAGE MUNICIPAL FUND 3

Form NSAR-A

March 31, 2010

PAGE 1  
000 A000000 01/31/2010  
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  
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007 C010600 6  
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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  
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 022 A000002 MORGAN STANLEY  
 022 B000002 13-2655998  
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 022 A000003 STIFEL, NICOLAUS & CO  
 022 B000003 43-0538770  
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048 C020000 0.000  
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 053 B000000 Y  
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 054 A000000 Y  
 PAGE 5  
 054 B000000 N  
 054 C000000 N  
 054 D000000 N  
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| 062 | N000000 | 0.0   |
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| 068 | B000000 | N     |
| 069 | 000000  | N     |
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|     | PAGE    | 6     |
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| 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 | Y     |
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| 070 | L010000 | N     |
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| 070 | M010000 | N     |
| 070 | M020000 | N     |
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| 070 | O010000 | N     |
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| 070 | P010000 | N     |
| 070 | P020000 | N     |
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| 072 | G000000 | 0     |

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072 H000000 0  
 072 I000000 5  
 072 J000000 8  
 072 K000000 3  
 072 L000000 7

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 074 R040000 220  
 074 S000000 18400  
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 074 U010000 3066  
 074 U020000 0  
 074 V010000 13.72

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074 V020000 0.00  
 074 W000000 0.0000  
 074 X000000 10  
 074 Y000000 2325

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|           |                 |              |
|-----------|-----------------|--------------|
| 075       | A000000         | 0            |
| 075       | B000000         | 41535        |
| 076       | 000000          | 12.65        |
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| 078       | 000000          | N            |
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| 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         | 67072E101    |
| 087       | A030000         | NXE          |
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| 088       | B000000         | N            |
| 088       | C000000         | N            |
| 088       | D000000         | Y            |
| SIGNATURE | STEPHEN D. FOY  |              |
| TITLE     | VP & CONTROLLER |              |