

NUVEEN ARIZONA DIVIDEND ADVANTAGE MUNICIPAL FUND 3

Form NSAR-A

October 30, 2012

PAGE 1  
000 A000000 08/31/2012  
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 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  
008 A000002 NUVEEN ASSET MANAGEMENT, LLC  
008 B000002 S  
008 C000002 801-71957  
008 D010002 CHICAGO  
008 D020002 IL  
008 D030002 60606  
008 D040002 1286  
012 A000001 COMPUTERSHARE INC.  
012 B000001 84-05925  
012 C010001 PROVIDENCE  
012 C020001 RI  
PAGE 2  
012 C030001 02940  
013 A000001 ERNST & YOUNG LLP  
013 B010001 CHICAGO  
013 B020001 IL  
013 B030001 60606  
014 A000001 NUVEEN INVESTMENTS, LLC

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014 B000001 8-13464  
 015 A000001 STATE STREET BANK AND TRUST COMPANY  
 015 B000001 C  
 015 C010001 BOSTON  
 015 C020001 MA  
 015 C030001 02110  
 015 E010001 X  
 018 000000 Y  
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 022 B000003 13-4942190  
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 022 A000004 PIPER JAFFRAY  
 022 B000004 41-0953246  
 022 C000004 946  
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 022 A000005 MERRILL LYNCH  
 022 B000005 13-5674085  
 022 C000005 625  
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 022 A000006 STIFEL, NICOLAUS & CO  
 022 B000006 43-0538770  
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 PAGE 3  
 022 D000006 0  
 022 A000007 SOUTHWEST SECURITIES  
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 022 A000008 ZIEGLER SECURITIES  
 022 B000008 39-0727640  
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 022 B000009 95-2622900  
 022 C000009 200  
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042 C000000 0  
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042 E000000 0  
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PAGE 6

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070 N010000 N  
070 N020000 N  
070 O010000 N  
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070 P010000 N  
070 P020000 N

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|-----|---------|--------------|
| 074 | P000000 | 37           |
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| 077 | D000000 | Y            |
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| 081 | B000000 | 0            |
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| 083 | B000000 | 0            |
| 084 | B000000 | 0            |
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| 086 | D020000 | 0            |
| 086 | E010000 | 0            |
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| 086 | F020000 | 0            |
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| 087 | A030000 | NXE          |
| 088 | A000000 | N            |
| 088 | B000000 | N            |
| 088 | C000000 | N            |
| 088 | D000000 | Y            |

PAGE 9

SIGNATURE STEPHEN D. FOY  
TITLE VP & CONTROLLER