

NUVEEN ARIZONA DIVIDEND ADVANTAGE MUNICIPAL FUND 3

Form N-Q

January 29, 2013

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, DC 20549

FORM N-Q

QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED MANAGEMENT INVESTMENT  
COMPANY

Investment Company Act file number 811-21157

Nuveen Arizona Dividend Advantage Municipal Fund 3  
(Exact name of registrant as specified in charter)

Nuveen Investments  
333 West Wacker Drive, Chicago, Illinois 60606  
(Address of principal executive offices) (Zip code)

Kevin J. McCarthy  
Vice President and Secretary  
333 West Wacker Drive, Chicago, Illinois 60606  
(Name and address of agent for service)

Registrant's telephone number, including area code: 312-917-7700

Date of fiscal year end: 2/28

Date of reporting period: 11/30/12

Form N-Q is to be used by management investment companies, other than small business investment companies registered on Form N-5 (§§ 239.24 and 274.5 of this chapter), to file reports with the Commission, not later than 60 days after the close of the first and third fiscal quarters, pursuant to rule 30b1-5 under the Investment Company Act of 1940 (17 CFR 270.30b1-5). The Commission may use the information provided on Form N-Q in its regulatory, disclosure review, inspection, and policymaking roles.

A registrant is required to disclose the information specified by Form N-Q, and the Commission will make this information public. A registrant is not required to respond to the collection of information contained in Form N-Q unless the Form displays a currently valid Office of Management and Budget ("OMB") control number. Please direct comments concerning the accuracy of the information collection burden estimate and any suggestions for reducing the burden to the Secretary, Securities and Exchange Commission, 450 Fifth Street, NW, Washington, DC 20549-0609. The OMB has reviewed this collection of information under the clearance requirements of 44 U.S.C. § 3507.



## Item 1. Schedule of Investments

Portfolio of Investments (Unaudited)  
 Nuveen Arizona Dividend Advantage  
 Municipal Fund 3 (NXE)  
 November 30, 2012

Principal Amount (000)	Description (1)	Optional Call Provisions (2)	Ratings (3)	Value
\$ 460	Consumer Staples – 0.9% (0.7% of Total Investments) Puerto Rico, The Children’s Trust Fund, Tobacco Settlement Asset-Backed Refunding Bonds, Series 2002, 5.375%, 5/15/33	5/13 at 100.00	BBB+	\$ 460,520
690	Education and Civic Organizations – 17.7% (12.6% of Total Investments) Arizona Higher Education Loan Authority, Student Loan Revenue Bonds, Series 2007B, Auction Rate Securities, 0.660%, 11/01/41 (Alternative Minimum Tax) (4)	5/13 at 100.00	A	588,769
1,250	Arizona State University, System Revenue Bonds, Series 2005, 5.000%, 7/01/20 – AMBAC Insured	7/15 at 100.00	Aa3	1,379,013
520	Glendale Industrial Development Authority, Arizona, Revenue Bonds, Midwestern University, Refunding Series 2007, 5.000%, 5/15/31	5/22 at 100.00	A–	588,380
900	Glendale Industrial Development Authority, Arizona, Revenue Bonds, Midwestern University, Refunding Series 2010, 5.125%, 5/15/40	5/20 at 100.00	A+	980,766
430	Northern Arizona University, System Revenue Bonds, Series 2012, 5.000%, 6/01/41	6/21 at 100.00	A+	488,076
400	Phoenix Industrial Development Authority, Arizona, Education Facility Revenue Bonds, Choice Academies Charter Schools Project, Series 2012, 5.625%, 9/01/42	9/22 at 100.00	BB+	411,300
200	Phoenix Industrial Development Authority, Arizona, Education Facility Revenue Bonds, Brighter	7/22 at 100.00	BB+	217,960

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155	Choice Foundation Charter Middle Schools Project, Series 2012, 7.500%, 7/01/42 Phoenix Industrial Development Authority, Arizona, Education Revenue Bonds, Great Hearts	7/21 at 100.00	BBB	170,120
200	Academies – Veritas Project, Series 2012, 6.300%, 7/01/42 Phoenix Industrial Development Authority, Arizona, Education Revenue Bonds, Painted Rock	7/20 at 100.00	N/R	213,166
965	Academy Charter School Project, Series 2012A, 7.500%, 7/01/42 Phoenix Industrial Development Authority, Arizona, Lease Revenue Bonds, Rowan University	6/22 at 100.00	A+	1,076,612
560	Project, Series 2012, 5.000%, 6/01/42 – AGM Insured Pima County Industrial Development Authority, Arizona, Charter School Revenue Bonds, Noah	12/14 at 100.00	BBB–	574,218
200	Webster Basic Schools Inc., Series 2004, 6.000%, 12/15/24 Pima County Industrial Development Authority, Arizona, Education Revenue Bonds, Carden	1/22 at 100.00	BBB–	222,840
235	Traditional Schools Project, Series 2012, 7.500%, 1/01/42 Pima County Industrial Development Authority, Arizona, Education Revenue Bonds, Paradise	6/19 at 100.00	BBB–	246,184
315	Education Center Project, Series 2010, 6.000%, 6/01/40 Pima County Industrial Development Authority, Arizona, Educational Revenue Bonds, Paradise	6/16 at 100.00	BBB–	323,379
415	Education Center Charter School, Series 2006, 6.000%, 6/01/36 Pima County Industrial Development Authority, Arizona, Educational Revenue Bonds, Valley	7/18 at 100.00	Baa3	446,457
565	Academy Charter School Project, Series 2008, 6.500%, 7/01/38 Tucson Industrial Development Authority, Arizona, Charter School Revenue Bonds, Arizona	9/14 at 100.00	BB+	572,933
8,000	Agribusiness and Equine Center Charter School, Series 2004A, 6.125%, 9/01/34 Total Education and Civic Organizations			8,500,173
1,015	Health Care – 28.8% (20.4% of Total Investments)	1/17 at 100.00	AA–	1,162,875

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	Arizona Health Facilities Authority, Hospital Revenue Bonds, Banner Health Systems, Series 2007A, 5.000%, 1/01/25			
2,390	Arizona Health Facilities Authority, Hospital Revenue Bonds, Banner Health Systems, Series 2008D, 5.500%, 1/01/38	1/18 at 100.00	AA-	2,695,678
850	Arizona Health Facilities Authority, Hospital System Revenue Bonds, Phoenix Children's Hospital, Refunding Series 2012A, 5.000%, 2/01/42	2/22 at 100.00	BBB+	943,951
625	Arizona Health Facilities Authority, Revenue Bonds, Blood Systems Inc., Series 2004, 5.000%, 4/01/20	4/14 at 100.00	A	652,269
475	Glendale Industrial Development Authority, Arizona, Revenue Bonds, John C. Lincoln Health Network, Series 2005B, 5.000%, 12/01/37	12/15 at 100.00	BBB+	493,288
785	Glendale Industrial Development Authority, Arizona, Revenue Bonds, John C. Lincoln Health Network, Series 2007, 5.000%, 12/01/42	12/17 at 100.00	BBB+	822,994
1,825	Maricopa County Industrial Development Authority, Arizona, Health Facility Revenue Bonds, Catholic Healthcare West, Series 2004A, 5.375%, 7/01/23	7/14 at 100.00	A	1,936,891
1,985	Maricopa County Industrial Development Authority, Arizona, Health Facility Revenue Bonds, Catholic Healthcare West, Series 2007A, 5.250%, 7/01/32	7/17 at 100.00	A	2,175,420
375	Show Low Industrial Development Authority, Arizona, Hospital Revenue Bonds, Navapache Regional Medical Center, Series 2005: 5.000%, 12/01/25 – RAAI Insured	12/15 at 100.00	BBB+	390,641
315	University Medical Center Corporation, Tucson, Arizona, Hospital Revenue Bonds, Series 2011, 6.000%, 7/01/39	12/15 at 100.00	BBB+	326,038
1,000	Yavapai County Industrial Development Authority, Arizona, Hospital Revenue Bonds, Yavapai Regional Medical Center, Series 2003A, 6.000%, 8/01/33	7/21 at 100.00	BBB+	1,185,210
1,000	Total Health Care	8/13 at 100.00	BBB+	1,032,640
12,640				13,817,895

	Long-Term Care – 0.5% (0.3% of Total Investments)			
205	Tempe Industrial Development Authority, Arizona, Revenue Bonds, Friendship Village of Tempe Project, Refunding Series 2012A, 6.000%, 12/01/32	12/21 at 100.00	N/R	225,170
	Tax Obligation/General – 12.8% (9.1% of Total Investments)			
860	El Mirage, Arizona, General Obligation Bonds Series 2012, 5.000%, 7/01/42 – AGM Insured	7/22 at 100.00	AA–	988,054
365	Pima County Continental Elementary School District 39, Arizona, General Obligation Bonds, Series 2011A, 6.000%, 7/01/30 – AGM Insured	7/21 at 100.00	AA–	471,153
500	Pima County Unified School District 08 Flowing Wells, Arizona, General Obligation Bonds, Series 2011B, 5.375%, 7/01/29	7/21 at 100.00	A+	588,665
750	Pima County Unified School District 6, Marana, Arizona, General Obligation Bonds, School Improvement Project 2010 Series 2011A, 5.000%, 7/01/25	7/21 at 100.00	A+	880,763
1,000	Pinal County Unified School District 1, Florence, Arizona, General Obligation Bonds, Series 2008C, 5.250%, 7/01/28	7/18 at 100.00	A	1,177,020
1,705	Scottsdale, Arizona, General Obligation Bonds, Preserve Acquisition Series 1999, 5.000%, 7/01/34	7/21 at 100.00	AAA	2,068,455
5,180	Total Tax Obligation/General Tax Obligation/Limited – 40.1% (28.4% of Total Investments)			6,174,110
660	Arizona Sports and Tourism Authority, Senior Revenue Refunding Bonds, Multipurpose Stadium Facility Project, Series 2012A, 5.000%, 7/01/36	7/22 at 100.00	A1	751,832
1,000	Arizona State Transportation Board, Highway Revenue Bonds, Subordinate Refunding Series 2011A, 5.000%, 7/01/36	7/21 at 100.00	AA+	1,176,450
345	Buckeye, Arizona, Festival Ranch Community Facilities District General Obligation Bonds, Series 2012, 5.000%, 7/15/27	7/22 at 100.00	BBB	375,343
133	Centerra Community Facilities District, Goodyear, Arizona, General Obligation Bonds, Series 2005, 5.500%, 7/15/29	7/15 at 100.00	N/R	128,908

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	Estrella Mountain Ranch Community Facilities District, Arizona, Special Assessment Bonds, Montecito Assessment District, Series 2007:			
245	5.700%, 7/01/27	1/17 at 100.00	N/R	246,063
152	5.800%, 7/01/32	1/17 at 100.00	N/R	151,287
	Estrella Mountain Ranch Community Facilities District, Goodyear, Arizona, Special Assessment Lien Bonds, Series 2001A, 7.875%, 7/01/25			
217		1/13 at 100.00	N/R	217,462
	Government of Guam, Business Privilege Tax Bonds, Series 2011A, 5.000%, 1/01/31			
510		1/22 at 100.00	A	589,045
	Greater Arizona Development Authority, Infrastructure Revenue Bonds, Series 2006A, 5.000%, 8/01/23 – NPPFG Insured			
525		8/16 at 100.00	A1	591,560
	Marana, Arizona, Tangerine Farms Road Improvement District Revenue Bonds, Series 2006, 4.600%, 1/01/26			
864		7/16 at 100.00	A2	903,372
	Marley Park Community Facilities District, City of Surprise, Arizona, Limited Tax General Obligation Bonds, Series 2008 (Bank Qualified), 6.100%, 7/15/32			
290		7/17 at 100.00	N/R	292,993
	Merrill Ranch Community Facilities District 1, Florence, Arizona, General Obligation Bonds, Series 2008A, 7.400%, 7/15/33			
490		7/18 at 100.00	N/R	539,348
	Mohave County, Arizona, Certificates of Participation, Series 2004, 5.250%, 7/01/19 – AMBAC Insured			
2,175		7/14 at 100.00	N/R	2,264,109
	Page, Arizona, Pledged Revenue Bonds, Refunding Series 2011, 5.000%, 7/01/26			
300		7/21 at 100.00	AA–	357,624
	Palm Valley Community Facility District 3, Goodyear, Arizona, General Obligation Bonds, Series 2006, 5.300%, 7/15/31			
640		7/16 at 100.00	N/R	603,802
	Palm Valley Community Facility District 3, Goodyear, Arizona, Limited Tax General Obligation Bonds, Series 2007, 5.800%, 7/15/32			
425		7/17 at 100.00	N/R	422,998
	Parkway Community Facilities District 1, Prescott Valley, Arizona, General Obligation Bonds, Series 2006, 5.350%, 7/15/31			
160		7/16 at 100.00	N/R	151,854
	Phoenix Mesa Gateway Airport Authority, Arizona, Special Facility Revenue Bonds, Mesa Project, Series 2012, 5.000%, 7/01/38 (Alternative Minimum Tax)			
170		7/22 at 100.00	AA+	185,045
1,250		4/13 at 100.00	BBB–	1,251,675

250	Pinal County Industrial Development Authority, Arizona, Correctional Facilities Contract Revenue Bonds, Florence West Prison LLC, Series 2002A, 5.000%, 10/01/18 – ACA Insured	2/20 at 100.00	A+	271,473
1,650	Puerto Rico Sales Tax Financing Corporation, Sales Tax Revenue Bonds, First Subordinate Series 2010A, 5.375%, 8/01/39	No Opt. Call	A+	399,234
1,130	Puerto Rico Sales Tax Financing Corporation, Sales Tax Revenue Bonds, First Subordinate Series 2010C, 0.000%, 8/01/38			
1,130	San Luis Civic Improvement Corporation, Arizona, Municipal Facilities Excise Tax Revenue Bonds, Series 2005, 5.000%, 7/01/25 – SYNCORA GTY Insured	7/15 at 100.00	A+	1,203,518
2,000	Scottsdale Municipal Property Corporation, Arizona, Excise Tax Revenue Bonds, Water & Sewer Improvements Project, Series 2010, 5.000%, 7/01/36	7/20 at 100.00	AAA	2,332,239
665	Tartesso West Community Facility District, Buckeye, Arizona, Limited Tax General Obligation Bonds, Series 2007, 5.900%, 7/15/32	7/17 at 100.00	N/R	661,888
750	Virgin Islands Public Finance Authority, Matching Fund Loan Notes Revenue Bonds, Senior Lien Series 2010A, 5.000%, 10/01/29	10/20 at 100.00	BBB+	833,813
1,250	Vistancia Community Facilities District, Peoria, Arizona, General Obligation Bonds, Series 2005, 5.750%, 7/15/24	7/15 at 100.00	A1	1,334,963
634	Watson Road Community Facilities District, Arizona, Special Assessment Revenue Bonds, Series 2005, 6.000%, 7/01/30	7/16 at 100.00	N/R	621,162
425	Westpark Community Facilities District, Buckeye, Arizona, General Obligation Tax Increment Bonds Series 2006, 5.250%, 7/15/31	7/16 at 100.00	N/R	398,565
19,305	Total Tax Obligation/Limited Transportation – 5.4% (3.9% of Total Investments)			19,257,625
300	Phoenix Civic Improvement Corporation, Arizona, Senior Lien Airport Revenue Bonds, Series 2002B: 5.750%, 7/01/16 – FGIC Insured (Alternative Minimum Tax)	1/13 at 100.00	AA–	301,101



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2,300	5.250%, 7/01/21 – FGIC Insured (Alternative Minimum Tax)	1/13 at 100.00	AA–	2,305,795
2,600	Total Transportation			2,606,896
	U.S. Guaranteed – 9.3% (6.6% of Total Investments) (5)			
	DC Ranch Community Facilities District, Scottsdale, Arizona, General Obligation Bonds, Series	7/13 at 100.00	A1 (5)	2,059,580
2,000	2002, 5.000%, 7/15/27 (Pre-refunded 7/15/13) – AMBAC Insured			
	Maricopa County Union High School District 210, Phoenix, Arizona, General Obligation Bonds,	7/14 at 100.00	AA (5)	1,691,912
1,575	Series 2004A, 5.000%, 7/01/20 (Pre-refunded 7/01/14) – AGM Insured			
	Maricopa County, Arizona, Hospital Revenue Bonds, Sun Health Corporation, Series 2005, 5.000%,	4/15 at 100.00	N/R (5)	298,615
270	4/01/16 (Pre-refunded 4/01/15)			
	Oro Valley Municipal Property Corporation, Arizona, Senior Lien Water Revenue Bonds, Series	7/13 at 100.00	AA (5)	416,247
405	2003, 5.000%, 7/01/23 (Pre-refunded 7/01/13) – NPFG Insured			
4,250	Total U.S. Guaranteed Utilities – 16.1% (11.4% of Total Investments)			4,466,354
	Apache County Industrial Development Authority, Arizona, Pollution Control Revenue Bonds,	3/22 at 100.00	BBB	663,844
625	Tucson Electric Power Company, Series 20102A, 4.500%, 3/01/30			
	Maricopa County Pollution Control Corporation, Arizona, Pollution Control Revenue Refunding	6/20 at 100.00	A1	1,364,916
1,200	Bonds, Southern California Edison Company, Series 2000A, 5.000%, 6/01/35			
	Pima County Industrial Development Authority, Arizona, Revenue Bonds, Tucson Electric Power	1/15 at 100.00	BBB–	708,910
665	Company, Refunding Series 2008, 5.750%, 9/01/29			
	Pinal County Electrical District 3, Arizona, Electric System Revenue Bonds, Refunding Series 2011,	7/21 at 100.00	A	577,015
500	5.250%, 7/01/36			
	Puerto Rico Electric Power Authority, Power Revenue Bonds, Series 2005RR, 5.000%, 7/01/26 –	7/15 at 100.00	BBB+	1,740,493
1,660	SYNCORA GTY Insured			
775	Salt River Project Agricultural Improvement and Power District, Arizona, Electric System	1/18 at 100.00	Aa1	1,260,739

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	Revenue			
	Bonds, Tender Option Bond Trust 09-9W, 18.072%, 1/01/38 (IF) (6)			
	Salt Verde Financial Corporation, Arizona, Senior Gas Revenue Bonds, Citigroup Energy Inc	No Opt. Call	A-	1,405,969
1,165	Prepay Contract Obligations, Series 2007, 5.000%, 12/01/37			
6,590	Total Utilities			7,721,886
	Water and Sewer – 9.4% (6.6% of Total Investments)			
	Glendale, Arizona, Water and Sewer Revenue Bonds, Refunding Series 2012, 5.000%, 7/01/28	7/22 at 100.00	AA	611,920
500	Goodyear, Arizona, Water and Sewer Revenue Obligations, Series 2010, 5.625%, 7/01/39	7/20 at 100.00	A+	1,088,815
955	Pima County, Arizona, Sewer System Revenue Obligations, Series 2012A, 5.000%, 7/01/26 (WI/DD, Settling 12/06/12)	7/22 at 100.00	AA-	521,972
425	Puerto Rico Aqueduct and Sewerage Authority, Revenue Bonds, Senior Lien Series 2008A, 6.000%, 7/01/38	7/18 at 100.00	Baa2	795,300
750	Surprise Municipal Property Corporation, Arizona, Wastewater System Revenue Bonds, Series 2007: 4.700%, 4/01/22	4/14 at 100.00	A-	433,428
425	4.900%, 4/01/32	4/17 at 100.00	A-	508,816
490	Yuma County Industrial Development Authority, Arizona, Exempt Revenue Bonds, Far West Water & Sewer Inc. Refunding, Series 2007A, 6.375%, 12/01/37 (Alternative Minimum Tax)	12/17 at 100.00	N/R	542,209
615	Total Water and Sewer			4,502,460
4,160	Total Investments (cost \$61,890,954) – 141.0%			67,733,089
\$ 63,390	MuniFund Term Preferred Shares, at Liquidation Value – (43.4)% (7)			(20,846,000)
	Other Assets Less Liabilities – 2.4%			1,134,221
	Net Assets Applicable to Common Shares – 100%			\$ 48,021,310

Fair Value Measurements

Fair value is defined as the price that the Fund would receive upon selling an investment or transferring a liability in an orderly transaction to an independent buyer in the principal or most advantageous market for the investment. A three-tier hierarchy is used to maximize the use of observable market data and minimize the use of unobservable inputs and to establish classification of fair value measurements for disclosure purposes. Observable inputs reflect the assumptions market participants would use in pricing the asset or liability. Observable inputs are based on market data obtained from sources independent of the reporting entity. Unobservable inputs reflect the reporting entity's own assumptions about the assumptions market participants would use in pricing the asset or liability. Unobservable inputs are based on the best information available in the circumstances. The following is a summary of the three-tiered hierarchy of valuation input levels.

Level 1– Inputs are unadjusted and prices are determined using quoted prices in active markets for identical securities.

Level 2– Prices are determined using other significant observable inputs (including quoted prices for similar securities, interest rates, prepayment speeds, credit risk, etc.).

Level 3– Prices are determined using significant unobservable inputs (including management's assumptions in determining the fair value of investments).

The inputs or methodologies used for valuing securities are not an indication of the risks associated with investing in those securities. The following is a summary of the Fund's fair value measurements as of the end of the reporting period:

	Level 1	Level 2	Level 3	Total
Long-Term Investments*:				
Municipal Bonds	\$ —	\$67,144,320	\$588,769	\$67,733,089

\* Refer to the Fund's Portfolio of Investments for industry classifications.

The following is a reconciliation of the Fund's Level 3 investments held at the beginning and end of the measurement period:

	Level 3 Municipal Bonds
Balance at the beginning of period	\$540,851
Gains (losses):	
Net realized gains (losses)	—
Change in net unrealized appreciation (depreciation)	47,918
Purchases at cost	—
Sales at proceeds	—
Net discounts (premiums)	—
Transfers in to	—
Transfers out of	—
Balance at the end of period	\$588,769

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The valuation techniques and significant unobservable inputs used in recurring Level 3 fair value measurements of assets as of November 30, 2012, were as follows:

Market Value	Techniques	Unobservable Inputs	Range	
Municipal Bonds	\$588,769	Discounted Cash Flow	MMD Spread	0-6%
			AAA - Rated MMD	
			Liquidity Discount	0-10%

MMD - Municipal Market Data

The Nuveen funds' Board of Directors/Trustees is responsible for the valuation process and has delegated the oversight of the daily valuation process to the Adviser's Valuation Committee. The Valuation Committee, pursuant to the valuation policies and procedures adopted by the Board of Directors/Trustees, is responsible for making fair value determinations, evaluating the effectiveness of the funds' pricing policies, and reporting to the Board of Directors/Trustees. The Valuation Committee is aided in its efforts by the Adviser's dedicated Securities Valuation Team, which is responsible for administering the daily valuation process and applying fair value methodologies as approved by the Valuation Committee. When determining the reliability of independent pricing services for investments owned by the funds, the Valuation Committee, among other things, conducts due diligence reviews of the pricing services and monitors the quality of security prices received through various testing reports conducted by the Securities Valuation Team.

The Valuation Committee will consider pricing methodologies it deems relevant and appropriate when making fair value determinations. Examples of possible methodologies include, but are not limited to, multiple of earnings; discount from market of a similar freely traded security; discounted cash-flow analysis; book value or a multiple thereof; risk premium/yield analysis; yield to maturity; and/or fundamental investment analysis. The Valuation Committee will also consider factors it deems relevant and appropriate in light of the facts and circumstances. Examples of possible factors include, but are not limited to, the type of security; the issuer's financial statements; the purchase price of the security; the discount from market value of unrestricted securities of the same class at the time of purchase; analysts' research and observations from financial institutions; information regarding any transactions or offers with respect to the security; the existence of merger proposals or tender offers affecting the security; the price and extent of public trading in similar securities of the issuer or comparable companies; and the existence of a shelf registration for restricted securities.

For each portfolio security that has been fair valued pursuant to the policies adopted by the Board of Directors/Trustees, the fair value price is compared against the last available and next available market quotations. The Valuation Committee reviews the results of such testing and fair valuation occurrences are reported to the Board of Directors/Trustees.

### Income Tax Information

The following information is presented on an income tax basis. Differences between amounts for financial statement and federal income tax purposes are primarily due to timing differences in recognizing taxable market discount, timing differences in recognizing certain gains and losses on investment transactions and the treatment of investments in inverse floating rate securities reflected as financing transactions, if any. To the extent that differences arise that are permanent in nature, such amounts are reclassified within the capital accounts on the Statement of Assets and Liabilities presented in the annual report, based on their federal tax basis treatment; temporary differences do not require reclassification. Temporary and permanent differences do not impact the net asset value of the Fund.

At November 30, 2012, the cost of investments was \$61,850,257.

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Gross unrealized appreciation and gross unrealized depreciation of investments at November 30, 2012, were as follows:

Gross unrealized:	
Appreciation	\$6,128,650
Depreciation	(245,818)
Net unrealized appreciation (depreciation) of investments	\$5,882,832

- (1) All percentages shown in the Portfolio of Investments are based on net assets applicable to Common shares unless otherwise noted.
  - (2) Optional Call Provisions: Dates (month and year) and prices of the earliest optional call or redemption. There may be other call provisions at varying prices at later dates. Certain mortgage-backed securities may be subject to periodic principal paydowns.
  - (3) Ratings: Using the highest of Standard & Poor's Group ("Standard & Poor's"), Moody's Investors Service, Inc. ("Moody's") or Fitch, Inc. ("Fitch") rating. Ratings below BBB by Standard & Poor's, Baa by Moody's or BBB by Fitch are considered to be below investment grade. Holdings designated N/R are not rated by any of these national rating agencies.
  - (4) Investment valued at fair value using methods determined in good faith by, or at the discretion of, the Board of Trustees. For fair value measurement disclosure purposes, investment classified as Level 3. Backed by an escrow or trust containing sufficient U.S. Government or U.S. Government agency securities,
  - (5) which ensure the timely payment of principal and interest. Certain bonds backed by U.S. Government or agency securities are regarded as having an implied rating equal to the rating of such securities.
  - (6) Investment, or portion of investment, has been pledged to collateralize the net payment obligations for investments in inverse floating rate transactions.
  - (7) MuniFund Term Preferred Shares, at Liquidation Value as a percentage of Total Investments is 30.8%.
- N/R Not rated.
- WI/DD Investment, or portion of investment, purchased on a when-issued or delayed delivery basis.
- (IF) Inverse floating rate investment.

Item 2. Controls and Procedures.

- a. The registrant's principal executive and principal financial officers, or persons performing similar functions, have concluded that the registrant's disclosure controls and procedures (as defined in Rule 30a-3(c) under the Investment Company Act of 1940, as amended (the "1940 Act") (17 CFR 270.30a-3(c))) are effective, as of a date within 90 days of the filing date of this report that includes the disclosure required by this paragraph, based on their evaluation of the controls and procedures required by Rule 30a-3(b) under the 1940 Act (17 CFR 270.30a-3(b)) and Rule 13a-15(b) or 15d-15(b) under the Securities Exchange Act of 1934 (17 CFR 240.13a-15(b) or 240.15d-15(b)).
  
- b. There were no changes in the registrant's internal control over financial reporting (as defined in Rule 30a-3(d) under the 1940 Act (17 CFR 270.30a-3(d))) that occurred during the registrant's last fiscal quarter that have materially affected, or are reasonably likely to materially affect, the registrant's internal control over financial reporting.

Item 3. Exhibits.

File as exhibits as part of this Form a separate certification for each principal executive officer and principal financial officer of the registrant as required by Rule 30a-2(a) under the 1940 Act (17 CFR 270.30a-2(a)), exactly as set forth below: See EX-99 CERT attached hereto.

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SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

(Registrant) Nuveen Arizona Dividend Advantage Municipal Fund 3

By (Signature and Title) /s/ Kevin J. McCarthy  
Kevin J. McCarthy  
Vice President and Secretary

Date: January 29, 2013

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

By (Signature and Title) /s/ Gifford R. Zimmerman  
Gifford R. Zimmerman  
Chief Administrative Officer (principal executive officer)

Date: January 29, 2013

By (Signature and Title) /s/ Stephen D. Foy  
Stephen D. Foy  
Vice President and Controller (principal financial officer)

Date: January 29, 2013