

NUVEEN ARIZONA PREMIUM INCOME MUNICIPAL FUND
Form N-Q
July 30, 2014

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 811-07278

Nuveen Arizona Premium Income Municipal Fund
(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: 5/31/14

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 Premium Income
Municipal Fund (NAZ)
May 31, 2014

Principal Amount (000)	Description (1)	Optional Call Provisions (2)	Ratings (3)	Value
	LONG-TERM INVESTMENTS – 146.1% (100.0% of Total Investments)			
	MUNICIPAL BONDS – 146.1% (100.0% of Total Investments)			
	Consumer Staples – 0.6% (0.3% of Total Investments)			
\$ 1,015	Puerto Rico, The Children’s Trust Fund, Tobacco Settlement Asset-Backed Refunding Bonds, Series 2002, 5.375%, 5/15/33	No Opt. Call	BBB+	\$ 1,025,160
	Education and Civic Organizations – 21.9% (15.0% of Total Investments)			
3,480	Arizona Board of Regents, Arizona State University System Revenue Bonds, Refunding Bonds, Series 2013A, 5.000%, 7/01/43	No Opt. Call	AA	3,840,911
1,400	Arizona Board of Regents, University of Arizona, Stimulus Plan for Economic and Educational Development Revenue Bonds, Series 2013, 5.000%, 8/01/21	No Opt. Call	AA–	1,666,840
2,240	Arizona Board of Regents, University of Arizona, System Revenue Bonds, Tender Option Bond Trust 4310, 18.095%, 6/01/20 (IF) (4)	No Opt. Call	Aa2	3,147,491
2,705	Arizona State University, System Revenue Bonds, Series 2005: 5.000%, 7/01/20 – AMBAC Insured	7/15 at 100.00	Aa3	2,842,901
750	5.000%, 7/01/21 – AMBAC Insured	7/15 at 100.00	Aa3	788,153
2,000	Glendale Industrial Development Authority, Arizona, Revenue Bonds, Midwestern University, Refunding Series 2007, 5.000%, 5/15/31	5/22 at 100.00	A–	2,157,040
3,775	Glendale Industrial Development Authority, Arizona, Revenue Bonds, Midwestern	5/20 at 100.00	A+	3,999,122

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1,875	University, Refunding Series 2010, 5.125%, 5/15/40 Northern Arizona University, System Revenue Bonds, Refunding Series 2014, 5.000%, 6/01/40	6/24 at 100.00	A+	2,063,231
910	Northern Arizona University, System Revenue Bonds, Series 2012, 5.000%, 6/01/41	6/21 at 100.00	A+	973,991
900	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+	841,509
755	Phoenix Industrial Development Authority, Arizona, Education Facility Revenue Bonds, fbo Brighter Choice Foundation Charter Middle Schools Project, Albany, New York, Series 2012, 7.500%, 7/01/42	7/22 at 100.00	BB-	766,589
500	Phoenix Industrial Development Authority, Arizona, Education Facility Revenue Bonds, Legacy Traditional Schools Project, Series 2014A, 6.750%, 7/01/44	7/24 at 100.00	N/R	517,140
585	Phoenix Industrial Development Authority, Arizona, Education Revenue Bonds, Great Hearts Academies – Veritas Project, Series 2012, 6.300%, 7/01/42	7/21 at 100.00	BB	602,310
745	Phoenix Industrial Development Authority, Arizona, Education Revenue Bonds, Painted Rock Academy Charter School Project, Series 2012A, 7.500%, 7/01/42	7/20 at 100.00	NA	742,333
3,675	Phoenix Industrial Development Authority, Arizona, Lease Revenue Bonds, Rowan University Project, Series 2012, 5.000%, 6/01/42 (UB) (4)	6/22 at 100.00	A+	3,861,617
200	Pima County Industrial Development Authority, Arizona, Charter School Revenue Bonds, Desert Heights Charter School, Series 2014, 7.250%, 5/01/44	5/24 at 100.00	N/R	202,380
1,045	Pima County Industrial Development Authority, Arizona, Charter School Revenue Bonds, Noah Webster Basic Schools Inc., Series 2004, 6.000%, 12/15/24	12/14 at 100.00	BBB-	1,049,765
745	Pima County Industrial Development Authority, Arizona, Education Revenue	1/22 at 100.00	B	726,323

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	Bonds, Carden Traditional Schools Project, Series 2012, 7.500%, 1/01/42			
1,000	Pima County Industrial Development Authority, Arizona, Education Revenue Bonds, Horizon	6/14 at 100.00	BBB	998,740
	Community Learning Center Project, Series 2000, 5.250%, 6/01/35			
	Pima County Industrial Development Authority, Arizona, Education Revenue Bonds, Paradise			
745	Education Center Project, Series 2010: 6.000%, 6/01/40	6/19 at 100.00	BB+	749,142
200	6.100%, 6/01/45	6/19 at 100.00	BB+	201,024
	Pima County Industrial Development Authority, Arizona, Educational Revenue Bonds, Paradise			
655	Education Center Charter School, Series 2006, 6.000%, 6/01/36	6/16 at 100.00	BB+	657,751
	Pima County Industrial Development Authority, Arizona, Educational Revenue Bonds, Valley			
1,000	Academy Charter School Project, Series 2008, 6.500%, 7/01/38	7/18 at 100.00	Baa3	1,045,380
	Sun Devil Energy LLC, Arizona, Revenue Refunding Bonds, Arizona State University Project, Series 2008, 5.000%, 7/01/22	No Opt. Call	AA-	295,003
	Tucson Industrial Development Authority, Arizona, Charter School Revenue Bonds, Arizona			
1,350	Agribusiness and Equine Center Charter School, Series 2004A, 6.125%, 9/01/34	9/14 at 100.00	BB+	1,351,040
	Yavapai County Industrial Development Authority, Arizona, Charter School Revenue Bonds,			
825	Arizona Agribusiness and Equine Center Charter School, Series 2011, 7.875%, 3/01/42	3/21 at 100.00	BB+	918,077
34,310	Total Education and Civic Organizations Health Care – 28.6% (19.6% of Total Investments)			37,005,803
	Arizona Health Facilities Authority, Hospital Revenue Bonds, Banner Health Systems, Series 2007A, 5.000%, 1/01/25			
3,855	Arizona Health Facilities Authority, Hospital Revenue Bonds, Banner Health Systems, Series 2008D, 5.500%, 1/01/38	1/17 at 100.00	AA-	4,232,597
7,730	Arizona Health Facilities Authority, Hospital System Revenue Bonds, Phoenix Children's	1/18 at 100.00	AA-	8,309,982
5,100		2/22 at 100.00	BBB+	5,358,060

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	Hospital, Refunding Series 2012A, 5.000%, 2/01/42			
1,840	Glendale Industrial Development Authority, Arizona, Revenue Bonds, John C. Lincoln Health	12/15 at 100.00	A-	1,865,778
2,965	Network, Series 2005B, 5.000%, 12/01/37 Glendale Industrial Development Authority, Arizona, Revenue Bonds, John C. Lincoln Health	12/17 at 100.00	A-	3,015,435
6,100	Network, Series 2007, 5.000%, 12/01/42 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	6,125,376
7,560	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	7,930,062
230	Puerto Rico Industrial, Tourist, Educational, Medical and Environmental Control Facilities Financing Authority, Hospital Revenue Bonds, Hospital de la Concepcion, Series 2000A, 6.375%, 11/15/15	11/14 at 100.00	AA+	231,003
1,120	Scottsdale Industrial Development Authority, Arizona, Hospital Revenue Bonds, Scottsdale Healthcare, Series 2006C. Re-offering, 5.000%, 9/01/35 – AGC Insured	9/20 at 100.00	AA	1,208,984
1,415	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	1,442,932
1,160	5.000%, 12/01/30 – RAAI Insured	12/15 at 100.00	BBB	1,176,078
2,500	University Medical Center Corporation, Tucson, Arizona, Hospital Revenue Bonds, Series 2011, 6.000%, 7/01/39	7/21 at 100.00	BBB+	2,744,325
200	University Medical Center Corporation, Tucson, Arizona, Hospital Revenue Bonds, Series 2013: 5.000%, 7/01/19	No Opt. Call	BBB+	224,958
800	5.000%, 7/01/20	No Opt. Call	BBB+	899,520
210	Yavapai County Industrial Development Authority, Arizona, Hospital Revenue Bonds, Yavapai Regional Medical Center, Series 2013A: 5.000%, 8/01/19	No Opt. Call	Baa1	233,184

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1,000	5.250%, 8/01/33 Yuma Industrial Development Authority, Arizona, Hospital Revenue Bonds, Yuma Regional Medical Center, Series 2014A:	8/23 at 100.00	Baa1	1,097,520
1,000	5.000%, 8/01/22	No Opt. Call	A-	1,140,160
1,000	5.250%, 8/01/32	8/24 at 100.00	A-	1,124,900
45,785	Total Health Care Long-Term Care – 0.8% (0.6% of Total Investments)			48,360,854
550	Arizona Health Facilities Authority, Health Care Facilities Revenue Bonds, The Beatitudes Campus Project, Series 2006, 5.100%, 10/01/22	10/16 at 100.00	N/R	550,715
780	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	NA	815,896
1,330	Total Long-Term Care Tax Obligation/General – 15.2% (10.4% of Total Investments)			1,366,611
2,140	El Mirage, Arizona, General Obligation Bonds Series 2012, 5.000%, 7/01/42 – AGM Insured	7/22 at 100.00	AA	2,318,048
1,265	Gila County Unified School District 10 Payson, Arizona, School Improvement Bonds, Project 2006, Series 2008B, 5.750%, 7/01/28	7/18 at 100.00	Aa3	1,458,570
1,000	Maricopa County Elementary School District 83 Cartwright, Arizona, General Obligation Bonds, School Improvement, Project 2010, Series 2011A, 5.375%, 7/01/30 – AGM Insured	7/21 at 100.00	AA	1,109,130
1,020	Maricopa County School District 6, Arizona, General Obligation Refunding Bonds, Washington Elementary School, Series 2002A, 5.375%, 7/01/16 – AGM Insured	No Opt. Call	AA	1,125,203
775	Maricopa County School District 79 Litchfield Elementary, Arizona, General Obligation Bonds, Series 2011, 5.000%, 7/01/23	7/21 at 100.00	Aa2	906,417
1,180	Maricopa County Unified School District 69, Paradise Valley, Arizona, General Obligation Refunding Bonds, Series 2002A, 5.250%, 7/01/14 – FGIC Insured	No Opt. Call	Aa2	1,185,074
1,200	Maricopa County Unified School District 95 Queen Creek, Arizona, General Obligation Bonds, Series 2008, 5.000%, 7/01/27 – AGM Insured	7/18 at 100.00	A1	1,344,840

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1,405	Mesa, Arizona, General Obligation Bonds, Series 2002, 5.375%, 7/01/15 – FGIC Insured	No Opt. Call	Aa2	1,484,073
1,370	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	1,610,969
1,000	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+	1,120,850
1,750	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+	1,948,293
4,530	Pinal County Unified School District 1, Florence, Arizona, General Obligation Bonds, Series 2008C, 5.250%, 7/01/28	7/18 at 100.00	A	5,115,321
1,310	Scottsdale, Arizona, General Obligation Bonds, Preserve Acquisition Series 1999: 5.000%, 7/01/32	7/21 at 100.00	AAA	1,489,077
1,360	5.000%, 7/01/33	7/21 at 100.00	AAA	1,539,398
1,705	5.000%, 7/01/34	7/21 at 100.00	AAA	1,922,916
23,010	Total Tax Obligation/General Tax Obligation/Limited – 39.5% (27.0% of Total Investments)			25,678,179
2,310	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	2,475,604
1,275	Arizona State Transportation Board, Highway Revenue Bonds, Subordinate Refunding Series 2011A: 5.000%, 7/01/16	No Opt. Call	AA+	1,400,231
1,025	5.000%, 7/01/36	7/21 at 100.00	AA+	1,131,211
345	Buckeye, Arizona, Festival Ranch Community Facilities District General Obligation Bonds, Series 2012: 5.000%, 7/15/27 – BAM Insured	7/22 at 100.00	AA	378,724
1,085	5.000%, 7/15/31 – BAM Insured	7/22 at 100.00	AA	1,159,192
639	Centerra Community Facilities District, Goodyear, Arizona, General Obligation Bonds, Series 2005, 5.500%, 7/15/29	7/15 at 100.00	N/R	639,281
498	Eastmark Community Facilities District 1, Mesa, Arizona, Special Assessment Revenue Bonds, Assessment District 1, Series 2013, 5.250%, 7/01/38	7/23 at 100.00	N/R	463,578

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	Estrella Mountain Ranch Community Facilities District, Arizona, Special Assessment Bonds, Montecito Assessment District, Series 2007:			
438	5.700%, 7/01/27	1/17 at 100.00	N/R	444,776
471	5.800%, 7/01/32	1/17 at 100.00	N/R	474,471
	Estrella Mountain Ranch Community Facilities District, Goodyear, Arizona, Special Assessment Lien Bonds, Series 2001A, 7.875%, 7/01/25 Goodyear, Arizona, Community Facilities General District 1, Arizona, General Obligation	No Opt. Call	N/R	739,941
738				
1,500	Refunding Bonds, Series 2013, 5.000%, 7/15/23 Government of Guam, Business Privilege Tax Bonds, Series 2011A:	No Opt. Call	A-	1,707,150
	5.000%, 1/01/31	1/22 at 100.00	A	538,458
510				
200	5.125%, 1/01/42	1/22 at 100.00	A	209,062
	Government of Guam, Business Privilege Tax Bonds, Series 2012B-1, 5.000%, 1/01/37	1/22 at 100.00	A	1,559,910
1,500				
	Greater Arizona Development Authority, Infrastructure Revenue Bonds, Series 2006-1, 5.000%, 8/01/22 – NPMG Insured	8/16 at 100.00	AA-	2,491,721
2,280				
	Greater Arizona Development Authority, Infrastructure Revenue Bonds, Series 2006A, 5.000%, 8/01/23 – NPMG Insured	8/16 at 100.00	AA-	1,685,501
1,550				
	La Paz County, Arizona, Excise Tax Revenue Bonds, Judgement Series 2011A, 4.750%, 7/01/36	7/17 at 100.00	AA	257,913
250				
	Marana, Arizona, Pledged Excise Tax Revenue Bonds, Refunding Series 2013, 5.000%, 7/01/33	7/23 at 100.00	AA	1,569,695
1,425				
	Marana, Arizona, Tangerine Farms Road Improvement District Revenue Bonds, Series 2006, 4.600%, 1/01/26	7/16 at 100.00	A2	3,115,957
3,059				
	Marley Park Community Facilities District, City of Surprise, Arizona, Limited Tax General Obligation Bonds, Series 2008 (Bank Qualified), 6.100%, 7/15/32	7/17 at 100.00	N/R	690,812
680				
	Merrill Ranch Community Facilities District 1, Florence, Arizona, General Obligation Bonds, Series 2008A, 7.400%, 7/15/33	7/18 at 100.00	N/R	1,287,055
1,160				
	Mohave County, Arizona, Certificates of Participation, Series 2004, 5.250%, 7/01/19 – AMBAC Insured	7/14 at 100.00	N/R	2,179,633
2,175				

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300	Page, Arizona, Pledged Revenue Bonds, Refunding Series 2011, 5.000%, 7/01/26	7/21 at 100.00	AA-	335,301
1,500	Palm Valley Community Facility District 3, Goodyear, Arizona, General Obligation Bonds, Series 2006, 5.300%, 7/15/31	7/16 at 100.00	N/R	1,500,165
1,000	Palm Valley Community Facility District 3, Goodyear, Arizona, Limited Tax General Obligation Bonds, Series 2007, 5.800%, 7/15/32	7/17 at 100.00	N/R	1,007,400
400	Parkway Community Facilities District 1, Prescott Valley, Arizona, General Obligation Bonds, Series 2006, 5.350%, 7/15/31	7/16 at 100.00	N/R	393,744
1,000	Phoenix Civic Improvement Corporation, Arizona, Transit Excise Tax Revenue Refunding Bonds, Light Rail Project, Series 2013, 5.000%, 7/01/20	No Opt. Call	AA	1,190,680
2,500	Phoenix Industrial Development Authority, Arizona, Education Facility Revenue Bonds, JMF-Higley 2012 LLC Project, Series 2012, 5.000%, 12/01/36	No Opt. Call	A+	2,677,775
580	Phoenix Mesa Gateway Airport Authority, Arizona, Special Facility Revenue Bonds, Mesa Project, Series 2012, 5.000%, 7/01/38 (Alternative Minimum Tax)	7/22 at 100.00	AA+	616,621
2,560	Pinal County Industrial Development Authority, Arizona, Correctional Facilities Contract Revenue Bonds, Florence West Prison LLC, Series 2002A, 5.000%, 10/01/18 – ACA Insured	No Opt. Call	BBB-	2,563,326
1,140	Pinetop Fire District of Navajo County, Arizona, Certificates of Participation, Series 2008, 7.750%, 6/15/29	6/16 at 102.00	A3	1,192,862
1,000	Regional Public Transportation Authority, Arizona, Transportation Excise Tax Revenue Bonds, Maricopa County Public Transportation Fund Series 2014, 5.250%, 7/01/22	No Opt. Call	AA+	1,236,510
4,300	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+	4,394,600
3,000	Scottsdale Municipal Property Corporation, Arizona, Excise Tax Revenue Bonds, Refunding Series	No Opt. Call	AAA	3,726,930

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	2006, 5.000%, 7/01/24			
	Scottsdale Municipal Property Corporation, Arizona, Excise Tax Revenue Bonds, Water & Sewer	7/20 at 100.00	AAA	5,571,500
5,000	Improvements Project, Series 2010, 5.000%, 7/01/36			
	Tartesso West Community Facility District, Buckeye, Arizona, Limited Tax General Obligation	7/17 at 100.00	N/R	1,637,070
1,570	Bonds, Series 2007, 5.900%, 7/15/32			
	Tempe, Arizona, Transit Excise Tax Revenue Obligation Bonds, Refunding Series 2012, 5.000%, 7/01/37	7/22 at 100.00	AAA	4,414,840
4,000				
	Virgin Islands Public Finance Authority, Matching Fund Loan Notes Revenue Bonds, Senior Lien	10/20 at 100.00	BBB	1,889,160
1,750	Series 2010A, 5.000%, 10/01/29			
	Vistancia Community Facilities District, Peoria, Arizona, General Obligation Bonds, Series	7/15 at 100.00	A1	3,222,965
3,145	2005, 5.750%, 7/15/24			
	Watson Road Community Facilities District, Arizona, Special Assessment Revenue Bonds, Series	7/16 at 100.00	N/R	1,612,191
1,579	2005, 6.000%, 7/01/30			
	Westpark Community Facilities District, Buckeye, Arizona, General Obligation Tax Increment	7/16 at 100.00	N/R	1,000,110
1,000	Bonds Series 2006, 5.250%, 7/15/31			
62,437	Total Tax Obligation/Limited Transportation – 2.7% (1.9% of Total Investments)			66,783,626
	Phoenix Civic Improvement Corporation, Arizona, Junior Lien Airport Revenue Bonds, Series	7/20 at 100.00	A+	189,682
180	2010A, 5.000%, 7/01/40			
	Phoenix Civic Improvement Corporation, Arizona, Senior Lien Airport Revenue Bonds, Refunding Series 2013:			
1,785	5.000%, 7/01/30 (Alternative Minimum Tax)	7/23 at 100.00	AA–	1,992,542
2,215	5.000%, 7/01/32 (Alternative Minimum Tax)	7/23 at 100.00	AA–	2,448,926
4,180	Total Transportation U.S. Guaranteed – 7.2% (4.9% of Total Investments) (5)			4,631,150
	Maricopa County Industrial Development Authority, Arizona, Hospital Revenue Refunding Bonds,	No Opt. Call	N/R (5)	1,346,225
1,250	Samaritan Health Services, Series 1990A, 7.000%, 12/01/16 – NPFQ Insured (ETM)			
1,000		7/15 at 100.00	AA– (5)	1,052,560

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	Maricopa County Unified School District 11, Peoria, Arizona, General Obligation Bonds, Second Series 2005, 5.000%, 7/01/20 (Pre-refunded 7/01/15) – FGIC Insured			
100	Maricopa County Unified School District 89, Dysart, Arizona, General Obligation Bonds, Series 2004B, 5.250%, 7/01/20 (Pre-refunded 7/01/14) – AGM Insured	7/14 at 100.00	AA (5)	100,441
665	Maricopa County Union High School District 210 Phoenix, Arizona, General Obligation Bonds, Series 2006C, 5.000%, 7/01/24 (Pre-refunded 7/01/16) – NPFPG Insured	7/16 at 100.00	AA (5)	730,755
655	Maricopa County, Arizona, Hospital Revenue Bonds, Sun Health Corporation, Series 2005, 5.000%, 4/01/16 (Pre-refunded 4/01/15)	4/15 at 100.00	N/R (5)	681,423
3,400	Mesa, Arizona, Street and Highway User Tax Revenue Bonds, Series 2005, 5.000%, 7/01/24 (Pre-refunded 7/01/15) – AGM Insured	7/15 at 100.00	AA (5)	3,576,766
630	Mesa, Arizona, Utility System Revenue Refunding Bonds, Series 2002, 5.250%, 7/01/17 – FGIC Insured (ETM)	No Opt. Call	Aa2 (5)	719,334
1,000	Phoenix Civic Improvement Corporation, Arizona, Wastewater System Revenue Bonds, Junior Lien Series 2004, 5.000%, 7/01/24 (Pre-refunded 7/01/14) – NPFPG Insured	7/14 at 100.00	AA+ (5)	1,004,180
300	Pronghorn Ranch Community Facilities District, Prescott Valley, Arizona, General Obligation Bonds, Series 2004, 6.400%, 7/15/29 (Pre-refunded 7/15/14)	7/14 at 100.00	N/R (5)	302,292
1,335	Puerto Rico Electric Power Authority, Power Revenue Refunding Bonds, Series 1989O, 0.000%, 7/01/17 – NPFPG Insured (ETM)	No Opt. Call	AA– (5)	1,191,861
1,340	Yuma & La Paz Counties Community College District, Arizona, General Obligation Bonds, Series 2006, 5.000%, 7/01/21 (Pre-refunded 7/01/16) – NPFPG Insured	7/16 at 100.00	AA– (5)	1,472,499
11,675	Total U.S. Guaranteed Utilities – 20.1% (13.8% of Total Investments)			12,178,336
1,495	Apache County Industrial Development Authority, Arizona, Pollution Control Revenue Bonds,	3/22 at 100.00	Baa1	1,564,622

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	Tucson Electric Power Company, Series 20102A, 4.500%, 3/01/30 Arizona Power Authority, Special Obligation Power Resource Revenue Refunding Crossover Bonds, Hoover Project, Series 2001:			
1,000	5.250%, 10/01/15	No Opt. Call	AA	1,066,510
1,500	5.250%, 10/01/17	No Opt. Call	AA	1,720,350
4,310	Maricopa County Pollution Control Corporation, Arizona, Pollution Control Revenue Refunding Bonds, Southern California Edison Company, Series 2000A, 5.000%, 6/01/35 Mesa, Arizona, Utility System Revenue Refunding Bonds, Series 2002, 5.250%, 7/01/17 – FGIC Insured	6/20 at 100.00	Aa3	4,617,519
370	Pima County Industrial Development Authority, Arizona, Revenue Bonds, Tucson Electric Power Company, Refunding Series 2008, 5.750%, 9/01/29	No Opt. Call	Aa2	422,100
3,335	Pinal County Electrical District 3, Arizona, Electric System Revenue Bonds, Refunding Series 2011, 5.250%, 7/01/36	1/15 at 100.00	Baa1	3,397,198
1,800	Salt River Project Agricultural Improvement and Power District, Arizona, Electric System Revenue Bonds, Series 2005A, 5.000%, 1/01/35	7/21 at 100.00	A	1,966,014
2,000	Salt River Project Agricultural Improvement and Power District, Arizona, Electric System Revenue Bonds, Tender Option Bond Trust 09-9W, 17.550%, 1/01/38 (IF) (4)	No Opt. Call	Aa1	2,111,400
2,500	Salt Verde Financial Corporation, Arizona, Senior Gas Revenue Bonds, Citigroup Energy Inc Prepay Contract Obligations, Series 2007:	1/18 at 100.00	Aa1	3,520,200
4,500	5.500%, 12/01/29	No Opt. Call	A–	5,240,115
5,665	5.000%, 12/01/37	No Opt. Call	A–	6,310,640
2,370	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	2,125,369
30,845	Total Utilities Water and Sewer – 9.5% (6.5% of Total Investments)			34,062,037
500	City of Goodyear, Arizona Subordinate Lien Water and Sewer Revenue Obligations, Series 2011,	7/21 at 100.00	AA	550,560

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	5.500%, 7/01/41			
	Cottonwood, Arizona, Senior Lien Water			
	System Revenue Bonds, Municipal Property			
1,005	Corporation,	7/14 at 100.00	BBB+	1,006,317
	Series 2004, 5.000%, 7/01/24 – SYNCORA			
	GTY Insured			
	Glendale, Arizona, Water and Sewer Revenue			
	Bonds, Refunding Series 2012, 5.000%,			
500	7/01/28	7/22 at 100.00	AA	566,330
	Goodyear, Arizona, Water and Sewer Revenue			
2,855	Obligations, Series 2010, 5.625%, 7/01/39	7/20 at 100.00	AA–	3,113,776
	Phoenix Civic Improvement Corporation,			
	Arizona, Junior Lien Water System Revenue			
	Refunding			
	Bonds, Series 2001:			
1,250	5.500%, 7/01/21 – FGIC Insured	No Opt. Call	AAA	1,547,513
1,040	5.500%, 7/01/22 – FGIC Insured	No Opt. Call	AAA	1,297,338
	Phoenix Civic Improvement Corporation,			
	Arizona, Wastewater System Revenue Bonds,			
1,135	Refunding	7/24 at 100.00	AA+	1,341,570
	Junior Lien Series 2014, 5.000%, 7/01/29			
	Pima County, Arizona, Sewer System			
	Revenue Obligations, Series 2012A, 5.000%,			
1,500	7/01/26	No Opt. Call	AA–	1,744,380
	Pima County, Arizona, Sewer System			
	Revenue Obligations, Series 2014, 5.000%,			
1,000	7/01/22	No Opt. Call	AA–	1,208,040
	Surprise Municipal Property Corporation,			
	Arizona, Wastewater System Revenue Bonds,			
	Series 2007:			
1,000	4.700%, 4/01/22	No Opt. Call	A–	1,013,380
1,970	4.900%, 4/01/32	4/17 at 100.00	A–	2,006,404
	Tucson, Arizona, Water System Revenue			
	Bonds, Refunding Series 2013A, 5.000%,			
500	7/01/23	No Opt. Call	AA	607,160
14,255	Total Water and Sewer			16,002,768
	Total Long-Term Investments (cost			
\$ 228,842	\$230,367,053)			247,094,524
	Floating Rate Obligations – (1.6)%			(2,755,000)
	Variable Rate MuniFund Term Preferred			
	Shares, at Liquidation Value – (46.7)% (6)			(79,000,000)
	Other Assets Less Liabilities – 2.2%			3,827,776
	Net Assets Applicable to Common Shares –			
	100%			\$ 169,167,300

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	\$ —	\$247,094,524	\$ —	\$247,094,524

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.

As of May 31, 2014, the cost of investments was \$229,287,500.

Gross unrealized appreciation and gross unrealized depreciation of investments as of May 31, 2014, were as follows:

Gross unrealized:	
Appreciation	\$18,095,172
Depreciation	(3,043,152)

Net unrealized appreciation (depreciation) of investments \$15,052,020

- (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, or portion of investment, has been pledged to collateralize the net payment obligations for investments in inverse floating rate transactions.
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. Variable Rate MuniFund Term Preferred Shares, at Liquidation Value as a percentage of Total Investments is 32.0%.
 - (6) Investments
 - (ETM) Escrowed to maturity.
 - (IF) Inverse floating rate investment.
 - (UB) Underlying bond of an inverse floating rate trust reflected as a financing transaction.
-

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.

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 Premium Income Municipal Fund

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

Date: July 30, 2014

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: July 30, 2014

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

Date: July 30, 2014