NUVEEN ARIZONA PREMIUM INCOME MUNICIPAL FUND Form N-Q January 29, 2014

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, DC 20549

FORM N-O

QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED MANAGEMENT INVESTMENT COMPANY

Investment Company Act file number 811-7278

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: 11/30/13

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) November 30, 2013

Principal		Optional Call		
Amount (000)	Description (1)	Provisions (2)	Ratings (3)Val	ue
	LONG-TERM INVESTMENTS – 148.0% (100% OF TOTAL INVESTMENTS)			
	MUNICIPAL BONDS – 148.0% (100% OF TOTAL INVESTMENTS)			
\$ 1,035	Consumer Staples – 0.6% (0.4% of Total Investments) Puerto Rico, The Children's Trust Fund, Tobacco Settlement Asset-Backed Refunding Bonds,	2/14 at 100.00	BBB+	\$ 965,552
Ψ 1,035	Series 2002, 5.375%, 5/15/33 Education and Civic Organizations – 20.4% (13.8% of Total Investments) Arizona Board of Regents, Arizona State		БББ∓	Ψ 703,332
	University System Revenue Bonds, Refunding Bonds, Series 2013A:			
1,000	5.000%, 7/01/37	No Opt. Call	AA	1,050,520
1,980	5.000%, 7/01/43	No Opt. Call	AA	2,062,685
1,400	Arizona Board of Regents, University of Arizona, Stimulus Plan for Econimic and Educational Development Revenue Bonds, Series 2013, 5.000%, 8/01/21	No Opt. Call	AA-	1,630,552
2,240	Arizona Board of Regents, Univeristy of Arizona, System Revenue Bonds, Tender Option Bond Trust 4310, 18.180%, 6/01/20 (IF) (4) Arizona State University, System Revenue	No Opt. Call	AA	2,604,896
	Bonds, Series 2005:	- 400.00		• 006 •
2,705	5.000%, 7/01/20 – AMBAC Insured	7/15 at 100.00	Aa3	2,896,514
750	5.000%, 7/01/21 – AMBAC Insured	7/15 at 100.00	Aa3	803,100

2,000	Glendale Industrial Development Authority, Arizona, Revenue Bonds, Midwestern University, Refunding Series 2007, 5.000%, 5/15/31 Glendale Industrial Development Authority,	5/22 at 100.00	A–	2,035,860
3,775	Arizona, Revenue Bonds, Midwestern University, Refunding Series 2010, 5.125%, 5/15/40 Northern Arizona University, System Revenue	5/20 at 100.00	A+	3,761,372
910	Bonds, Series 2012, 5.000%, 6/01/41 Phoenix Industrial Development Authority, Arizona, Education Facility Revenue Bonds,	6/21 at 100.00	A+	922,503
900	Choice Academies Charter Schools Project, Series 2012, 5.625%, 9/01/42 Phoenix Industrial Development Authority,	9/22 at 100.00	BB+	755,280
755	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-	735,876
585	Phoenix Industrial Development Authority, Arizona, Education Revenue Bonds, Great Hearts Academies – Veritas Project, Series 2012, 6.300%, 7/01/42 Phoenix Industrial Development Authority,	7/21 at 100.00	ВВ	558,622
745	Arizona, Education Revenue Bonds, Painted Rock Academy Charter School Project, Series 2012A, 7.500%, 7/01/42	7/20 at 100.00	N/R	703,302
3,675	Phoenix Industrial Development Authority, Arizona, Lease Revenue Bonds, Rowan University Project, Series 2012, 5.000%, 6/01/42 – AGM Insured (UB) (4)	6/22 at 100.00	A+	3,561,038
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-	1,048,626
745	Pima County Industrial Development Authority, Arizona, Education Revenue Bonds, Carden Traditional Schools Project, Series 2012, 7.500%, 1/01/42 Pima County Industrial Development Authority, Arizona, Education Revenue Bonds, Paradise Education Center Project, Series 2010:	1/22 at 100.00	В	727,053

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	5 000 1/2 5/04/4/0			
745	6.000%, 6/01/40	6/19 at 100.00	BBB-	712,682
200	6.100%, 6/01/45	6/19 at 100.00	BBB–	191,652
	Pima County Industrial Development			
655	Authority, Arizona, Educational Revenue	(116 + 100 00	DDD	625 470
655	Bonds, Paradise	6/16 at 100.00	BBB–	625,479
	Education Center Charter School, Series 2006,			
	6.000%, 6/01/36			
	Pima County Industrial Development			
1 000	Authority, Arizona, Educational Revenue	7/10 / 100 00	D 2	1 014 140
1,000	Bonds, Valley	7/18 at 100.00	Baa3	1,014,140
	Academy Charter School Project, Series 2008,			
	6.500%, 7/01/38			
	Sun Devil Energy LLC, Arizona, Revenue			
250	Refunding Bonds, Arizona State University	No Ont Call	Λ Λ	296 200
250	Project,	No Opt. Call	AA–	286,390
	Series 2008, 5.000%, 7/01/22			
	Tempe Industrial Development Authority, Arizona, Lease Revenue Bonds, Arizona State			
1,500	University Arizona, Lease Revenue Bonds, Arizona State University	2/14 at 100.00	N/R	1,417,005
1,500	Foundation Project, Series 2003, 5.000%,	2/14 at 100.00	11/1	1,417,003
	7/01/34 – AMBAC Insured			
	Tucson Industrial Development Authority,			
	Arizona, Charter School Revenue Bonds,			
1,350	Arizona	9/14 at 100.00	BB+	1,327,293
1,550	Agribusiness and Equine Center Charter	7/14 at 100:00	DD I	1,321,273
	School, Series 2004A, 6.125%, 9/01/34			
	Yavapai County Industrial Development			
	Authority, Arizona, Charter School Revenue			
825	Bonds,	3/21 at 100.00	BB+	900,752
	Arizona Agribusiness and Equine Center	-,		, , , , , _
	Charter School, Series 2011, 7.875%, 3/01/42			
31,735	Total Education and Civic Organizations			32,333,192
,	Health Care – 28.7% (19.4% of Total			, ,
	Investments)			
	Arizona Health Facilities Authority, Hospital			
	Revenue Bonds, Banner Health Systems,			
3,855	Series	1/17 at 100.00	AA-	4,168,720
	2007A, 5.000%, 1/01/25			
	Arizona Health Facilities Authority, Hospital			
	Revenue Bonds, Banner Health Systems,			
7,730	Series	1/18 at 100.00	AA-	8,065,250
	2008D, 5.500%, 1/01/38			
	Arizona Health Facilities Authority, Hospital			
5,100	System Revenue Bonds, Phoenix Children's	2/22 at 100.00	BBB+	4,678,586
	Hospital, Refunding Series 2012A, 5.000%,			
	2/01/42			
	Arizona Health Facilities Authority, Revenue			
1,225	Bonds, Blood Systems Inc., Series 2004,	4/14 at 100.00	A	1,244,086
	5.000%, 4/01/20			
1,800	Glendale Industrial Development Authority,	12/15 at	BBB+	1,776,456
	Arizona, Revenue Bonds, John C. Lincoln	100.00		

	Health Network, Series 2005B, 5.000%, 12/01/37 Glendale Industrial Development Authority,			
2,965	Arizona, Revenue Bonds, John C. Lincoln Health	12/17 at 100.00	BBB+	2,861,610
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	6,262,870
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	7,604,982
230	Puerto Rico Industrial, Tourist, Educational, Medical and Environmental Control Facilities Financing Authority, Hospital Revenue Bonds, Hospital de la Concepcion, Series	5/14 at 100.00	AA+	230,932
1,120	2000A, 6.375%, 11/15/15 Scottsdale Industrial Development Authority, Arizona, Hospital Revenue Bonds, Scottsdale Healthcare, Series 2006C. Re-offering, 5.000%, 9/01/35 – AGC Insured Show Low Industrial Development Authority, Arizona, Hospital Revenue Bonds, Navapache Regional Medical Center, Series 2005:	9/20 at 100.00	AA-	1,140,798
1,415	5.000%, 12/01/25 – RAAI Insured	12/15 at 100.00	BBB+	1,430,225
1,160	5.000%, 12/01/30 – RAAI Insured University Medical Center Corporation, Tucson, Arizona, Hospital Revenue Bonds,	12/15 at 100.00	BBB+	1,158,016
2,500	Series 2011, 6.000%, 7/01/39 University Medical Center Corporation, Tucson, Arizona, Hospital Revenue Bonds, Series 2013:	7/21 at 100.00	BBB+	2,578,900
200 800	5.000%, 7/01/19 5.000%, 7/01/20 Yavapai County Industrial Development Authority, Arizona, Hospital Revenue Bonds, Yavapai	No Opt. Call No Opt. Call	BBB+ BBB+	220,548 870,784
210 1,000 44,970	Regional Medical Center, Series 2013A: 5.000%, 8/01/19 5.250%, 8/01/33 Total Health Care Long-Term Care – 0.8% (0.5% of Total Investments)	No Opt. Call 8/23 at 100.00	Baa1 Baa1	230,838 986,050 45,509,651

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	515,587
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	N/R	770,429
1,330	Total Long-Term Care Tax Obligation/General – 16.6% (11.2% of Total Investments)			1,286,016
2,140	El Mirage, Arizona, General Obligation Bonds Series 2012, 5.000%, 7/01/42 – AGM Insured Gila County Unified School District 10 Payson, Arizona, School Improvement Bonds,		AA-	2,181,816
1,265	Project 2006, Series 2008B, 5.750%, 7/01/28 Maricopa County Elementary School District	7/18 at 100.00	Aa3	1,421,152
1,000	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-	1,055,030
1,000	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	Aa2	1,121,100
775	Maricopa County School District 79 Litchfield Elementary, Arizona, General Obligation Bonds, Series 2011, 5.000%, 7/01/23 Maricopa County Unified School District 69,	7/21 at 100.00	Aa2	880,625
1,180	Paradise Valley, Arizona, General Obligation Refunding Bonds, Series 2002A, 5.250%, 7/01/14 – FGIC Insured Maricopa County Unified School District 95	No Opt. Call	Aa2	1,214,515
1,200	Queen Creek, Arizona, General Obligation Bonds, Series 2008, 5.000%, 7/01/27 – AGM Insured	7/18 at 100.00	A1	1,288,608
1,405	Mesa, Arizona, General Obligation Bonds, Series 2002, 5.375%, 7/01/15 – FGIC Insured Pima County Continental Elementary School	No Opt. Call	AA	1,515,012
1,370	District 39, Arizona, General Obligation Bonds, Series 2011A, 6.000%, 7/01/30 – AGM Insured Pima County Unified School District 08	7/21 at 100.00	AA-	1,537,291
1,000	Flowing Wells, Arizona, General Obligation Bonds, Series 2011B, 5.375%, 7/01/29	7/21 at 100.00	A+	1,057,550

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+	1,880,130
4,530	Pinal County Unified School District 1, Florence, Arizona, General Obligation Bonds, Series 2008C, 5.250%, 7/01/28 Scottsdale, Arizona, General Obligation	7/18 at 100.00	A	4,886,374
1,310	Bonds, Preserve Acquisition Series 1999: 5.000%, 7/01/32	7/21 at 100.00	AAA	1,421,743
1,360	5.000%, 7/01/33	7/21 at 100.00	AAA	1,471,330
1,705	5.000%, 7/01/34	7/21 at 100.00	AAA	1,837,564
1,705	Yuma & La Paz Counties Community College	7721 dt 100.00	7 17 17 1	1,057,501
	District, Arizona, General Obligation Bonds,			
1,340	Series	7/16 at 100.00	Aa3	1,454,851
24.220	2006, 5.000%, 7/01/21 – NPFG Insured			26 224 601
24,330	Total Tax Obligation/General			26,224,691
	Tax Obligation/Limited – 38.9% (26.3% of			
	Total Investments)			
	Arizona Sports and Tourism Authority, Senior			
2 210	Revenue Refunding Bonds, Multipurpose	7/00 + 100 00	A 1	2 220 767
2,310	Stadium Facility Project Series 2012 A 5 0000	7/22 at 100.00	A1	2,330,767
	Facility Project, Series 2012A, 5.000%, 7/01/36			
	Arizona State Transportation Board, Highway			
	Revenue Bonds, Subordinate Refunding Series			
1,000	2011A,	7/21 at 100.00	AA+	1,051,490
1,000	5.000%, 7/01/36	7721 at 100.00	ААТ	1,031,490
	Buckeye, Arizona, Festival Ranch Community			
	Facilities District District General Obligation			
	Bonds, Series 2012:			
345	5.000%, 7/15/27	7/22 at 100.00	BBB	339,756
1,085	5.000%, 7/15/31	7/22 at 100.00	BBB	1,020,692
1,000	Centerra Community Facilities District,	7722 at 100.00	222	1,020,072
	Goodyear, Arizona, General Obligation			
639	Bonds, Series	7/15 at 100.00	N/R	560,301
	2005, 5.500%, 7/15/29			
	Eastmark Community Facilities District 1,			
	Mesa, Arizona, Special Assessment Revenue			
500	Bonds,	7/23 at 100.00	N/R	412,125
	Assessment District 1, Series 2013, 5.250%,			
	7/01/38			
	Estrella Mountain Ranch Community			
	Facilities District, Arizona, Special			
	Assessment Bonds,			
	Montecito Assessment District, Series 2007:			
442	5.700%, 7/01/27	1/17 at 100.00	N/R	412,267
477	5.800%, 7/01/32	1/17 at 100.00	N/R	424,754
757		2/14 at 100.00	N/R	758,158

	Estrella Mountain Ranch Community Facilities District, Goodyear, Arizona, Special			
1.500	Assessment Lien Bonds, Series 2001A, 7.875%, 7/01/25 Goodyear, Arizona, Community Facilities General District 1, Arizona, General	N. O. I. G. II		1 (42 400
1,500	Obligation Refunding Bonds, Series 2013, 5.000%, 7/15/23 Government of Guam, Business Privilege Tax Bonds, Series 2011A:	No Opt. Call	A-	1,643,400
510	5.000%, 1/01/31	1/22 at 100.00	A	522,934
200	5.125%, 1/01/42	1/22 at 100.00	A	199,548
_00	Government of Guam, Business Privilege Tax	1,22 00 100.00		1,5,6.10
1,500	Bonds, Series 2012B-1, 5.000%, 1/01/37 Greater Arizona Development Authority,	1/22 at 100.00	A	1,473,720
2,280	Infrastructure Revenue Bonds, Series 2006-1, 5.000%, 8/01/22 – NPFG Insured	8/16 at 100.00	AA-	2,514,179
1,550	Greater Arizona Development Authority, Infrastructure Revenue Bonds, Series 2006A, 5.000%, 8/01/23 – NPFG Insured	8/16 at 100.00	A1	1,692,445
250	La Paz County, Arizona, Excise Tax Revenue Bonds, Judgement Series 2011A, 4.750%, 7/01/36	7/17 at 100.00	AA-	251,628
1,425	Marana, Arizona, Pledged Excise Tax Revenue Bonds, Refunding Series 2013, 5.000%, 7/01/33	7/23 at 100.00	AA	1,477,697
3,069	Marana, Arizona, Tangerine Farms Road Improvement District Revenue Bonds, Series 2006,	7/16 at 100.00	A2	3,083,915
3,007	4.600%, 1/01/26 Marley Park Community Facilities District,	7710 at 100.00	112	3,003,713
680	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	626,715
1,160	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	1,210,228
2,175	Mohave County, Arizona, Certificates of Participation, Series 2004, 5.250%, 7/01/19 –	7/14 at 100.00	N/R	2,202,536
-,110	AMBAC Insured Page, Arizona, Pledged Revenue Bonds,	,,11 at 100.00	11/11	2,202,330
300	Refunding Series 2011, 5.000%, 7/01/26 Palm Valley Community Facility District 3, Goodyear, Arizona, General Obligation	7/21 at 100.00	AA-	323,742
1,500	Bonds, Series 2006, 5.300%, 7/15/31	7/16 at 100.00	N/R	1,297,065

1,000	Palm Valley Community Facility District 3, Goodyear, Arizona, Limited Tax General Obligation Bonds, Series 2007, 5.800%, 7/15/32 Parkway Community Facilities District 1,	7/17 at 100.00	N/R	890,340
400	Prescott Valley, Arizona, General Obligation Bonds, Series 2006, 5.350%, 7/15/31 Phoenix Civic Improvment Corporation,	7/16 at 100.00	N/R	340,548
1,000	Arizona, Transit Excise Tax Revenue Refunding Bonds, Light Rail Project, Series 2013, 5.000%, 7/01/20	No Opt. Call	AA	1,179,270
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+	2,516,200
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+	552,386
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	2/14 at 100.00	BBB-	2,562,022
1,140	Insured Pinetop Fire District of Navajo County, Arizona, Certificates of Participation, Series 2008, 7.750%, 6/15/29	6/16 at 102.00	A3	1,173,516
300	Pronghorn Ranch Community Facilities District, Prescott Valley, Arizona, General Obligation Bonds, Series 2004, 6.400%, 7/15/29	7/14 at 100.00	N/R	300,336
275	Puerto Rico Public Buildings Authority, Guaranteed Government Facilities Revenue Refunding Bonds, Series 2002D, 5.125%, 7/01/24 Puerto Rico Sales Tax Financing Corporation,	2/14 at 100.00	BBB-	205,791
2,000	Sales Tax Revenue Bonds, First Subordinate Series 2009A, 0.000%, 8/01/32	8/26 at 100.00	A+	1,483,040
500	Puerto Rico Sales Tax Financing Corporation, Sales Tax Revenue Bonds, First Subordinate Series 2010A, 5.375%, 8/01/39	2/20 at 100.00	A+	378,305
4,300	San Luis Civic Improvement Corporation, Arizona, Municipal Facilities Excise Tax Revenue	7/15 at 100.00	A+	4,392,364

	Bonds, Series 2005, 5.000%, 7/01/25 – SYNCORA GTY Insured			
	Scottsdale Municipal Property Corporation,			
	Arizona, Excise Tax Revenue Bonds,			
3,000	Refunding Series	No Opt. Call	AAA	3,558,810
	2006, 5.000%, 7/01/24			
	Scottsdale Municipal Property Corporation,			
	Arizona, Excise Tax Revenue Bonds, Water &			
5,000	Sewer	7/20 at 100.00	AAA	5,310,699
	Improvements Project, Series 2010, 5.000%,			
	7/01/36			
	Tartesso West Community Facility District,			
	Buckeye, Arizona, Limited Tax General			
1,570	Obligation	7/17 at 100.00	N/R	1,399,090
	Bonds, Series 2007, 5.900%, 7/15/32			
• 000	Tempe, Arizona, Transit Excise Tax Revenue	= 100 00		• • • • • • • • • • • • • • • • • • • •
2,000	Obligation Bonds, Refunding Series 2012,	7/22 at 100.00	AAA	2,087,900
	5.000%, 7/01/37			
	Virgin Islands Public Finance Authority,	10/20		
1.750	Matching Fund Loan Notes Revenue Bonds,	10/20 at	DDD	1 746 000
1,750	Senior Lien	100.00	BBB	1,746,098
	Series 2010A, 5.000%, 10/01/29			
	Vistancia Community Facilities District,			
3,145	Peoria, Arizona, General Obligation Bonds, Series	7/15 at 100.00	A1	3,225,449
3,143	2005, 5.750%, 7/15/24	7/13 at 100.00	AI	3,223,449
	Watson Road Community Facilities District,			
	Arizona, Special Assessment Revenue Bonds,			
1,597	Series	7/16 at 100.00	N/R	1,586,955
1,007	2005, 6.000%, 7/01/30	7710 41 100.00	11/11	1,500,555
	Westpark Community Facilities District,			
	Buckeye, Arizona, General Obligation Tax			
1,000	Increment	7/16 at 100.00	N/R	864,230
	Bonds Series 2006, 5.250%, 7/15/31			
61,271	Total Tax Obligation/Limited			61,583,411
	Transportation -2.7% (1.8% of Total			
	Investments)			
	Phoenix Civic Improvement Corporation,			
	Arizona, Junior Lien Airport Revenue Bonds,			
180	Series	7/20 at 100.00	A+	181,499
	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-	1,855,222
2,215	5.000%, 7/01/32 (Alternative Minimum Tax)	7/23 at 100.00	AA-	2,276,068
4,180	Total Transportation			4,312,789
	U.S. Guaranteed – 8.9% (6.0% of Total			
2.000	Investments) (5)	1/14 -4 100 00	A A (5)	2.016.200
3,000		1/14 at 100.00	AA (5)	3,016,200

	Glendale Western Loop 101 Public Facilities Corporation, Arizona, Third Lien Excise Tax Revenue Bonds, Series 2008B, 6.250%, 7/01/38 (Pre-refunded 1/01/14) Maricopa County Industrial Development			
1,250	Authority, Arizona, Hospital Revenue Refunding Bonds, Samaritan Health Services, Series 1990A, 7.000%, 12/01/16 – NPFG Insured (ETM) Maricopa County Unified School District 11,	No Opt. Call	N/R (5)	1,381,838
1,000	Peoria, Arizona, General Obligation Bonds, Second Series 2005, 5.000%, 7/01/20 (Pre-refunded 7/01/15) – FGIC Insured	7/15 at 100.00	AA- (5)	1,074,860
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)	103,010
615	Maricopa County Union High School District 210 Phoenix, Arizona, General Obligation Bonds, Series 2006C, 5.000%, 7/01/24 (Pre-refunded 7/01/16) – NPFG Insured	7/16 at 100.00	AA (5)	686,857
1,575	Maricopa County Union High School District 210, Phoenix, Arizona, General Obligation Bonds, Series 2004A, 5.000%, 7/01/20 (Pre-refunded 7/01/14) – AGM Insured	7/14 at 100.00	AA (5)	1,620,092
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)	696,468
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 Mesa, Arizona, Utility System Revenue	7/15 at 100.00	AA (5)	3,651,124
630	Refunding Bonds, Series 2002, 5.250%, 7/01/17 – FGIC Insured (ETM) Puerto Rico Electric Power Authority, Power	No Opt. Call	Aa2 (5)	731,550
1,335	Revenue Refunding Bonds, Series 1989O, 0.000%, 7/01/17 – NPFG Insured (ETM)	No Opt. Call	A (5)	1,187,256
13,560	Total U.S. Guaranteed Utilities – 19.7% (13.3% of Total Investments) Apache County Industrial Development Authority, Arizona, Pollution Control			14,149,255
1,495	Revenue Bonds, Tucson Electric Power Company, Series 20102A, 4.500%, 3/01/30	3/22 at 100.00	BBB	1,390,320

	Arizona Power Authority, Special Obligation Power Resource Revenue Refunding			
	Crossover Bonds,			
1 000	Hoover Project, Series 2001:	No Opt Call	A A	1 000 570
1,000 1,500	5.250%, 10/01/15 5.250%, 10/01/17	No Opt. Call No Opt. Call	AA AA	1,088,570 1,741,020
1,500	Maricopa County Pollution Control	No Opt. Can	AA	1,741,020
	Corporation, Arizona, Pollution Control			
4,310	Revenue Refunding	6/20 at 100.00	A1	4,420,594
	Bonds, Southern California Edison Company,			
	Series 2000A, 5.000%, 6/01/35			
	Mesa, Arizona, Utility System Revenue			
270	Refunding Bonds, Series 2002, 5.250%,	N. O . C 11		407.007
370	7/01/17 – FGIC Insured	No Opt. Call	Aa2	427,927
	Pima County Industrial Development			
	Authority, Arizona, Revenue Bonds, Tucson			
3,335	Electric Power	1/15 at 100.00	BBB	3,393,329
,	Company, Refunding Series 2008, 5.750%, 9/01/29			, ,
	Pinal County Electrical District 3, Arizona,			
	Electric System Revenue Bonds, Refunding			
1,800	Series	7/21 at 100.00	A	1,863,666
	2011, 5.250%, 7/01/36			
	Puerto Rico Electric Power Authority, Power			
2 170	Revenue Bonds, Series 2005RR, 5.000%,	7/15 at 100 00	DDD	1 574 400
2,170	7/01/27 – SYNCORA GTY Insured	7/15 at 100.00	BBB	1,574,400
	Salt River Project Agricultural Improvement			
2,000	and Power District, Arizona, Electric System	No Opt. Call	Aa1	2,075,460
	Revenue Bonds, Series 2005A, 5.000%,	•		
	1/01/35			
	Salt River Project Agricultural Improvement			
2,500	and Power District, Arizona, Electric System	1/18 at 100.00	Aa1	2,940,900
	Revenue Bonds, Tender Option Bond Trust			
	09-9W, 17.677%, 1/01/38 (IF) (4) Salt Verde Financial Corporation, Arizona,			
	Senior Gas Revenue Bonds, Citigroup Energy			
	Inc			
	Prepay Contract Obligations, Series 2007:			
4,500	5.500%, 12/01/29	No Opt. Call	A-	4,756,140
5,665	5.000%, 12/01/37	No Opt. Call	A-	5,463,269
30,645	Total Utilities			31,135,595
	Water and Sewer – 10.7% (7.3% of Total			
	Investments) City of Goodyear, Arizona Subordinate Lien			
	Water and Sewer Revenue Obligations, Series			
500	2011,	7/21 at 100.00	AA-	523,315
	5.500%, 7/01/41			,
1,005	Cottonwood, Arizona, Senior Lien Water	7/14 at 100.00	BBB+	1,010,558
	System Revenue Bonds, Municipal Property			

	Corporation,				
	Series 2004, 5.000%, 7/01/24 – SYNCORA				
	GTY Insured				
	Glendale, Arizona, Water and Sewer Revenue				
500	Bonds, Refunding Series 2012, 5.000%,	7/00 + 100 00		527.720	
500	7/01/28	7/22 at 100.00	AA	537,720	
2.055	Goodyear, Arizona, Water and Sewer Revenue		Α.	2 076 727	
2,855	Obligations, Series 2010, 5.625%, 7/01/39	7/20 at 100.00	A+	2,976,737	
	Maricopa County Industrial Development				
420	Authority, Arizona, Water System Improvement Revenue	6/14 at 100.00	N/R	420,370	
420	Bonds, Chaparral City Water Company, Series		IN/IX	420,370	
	1997A, 5.400%, 12/01/22 – AMBAC Insured				
	(Alternative Minimum Tax)				
	Phoenix Civic Improvement Corporation,				
	Arizona, Junior Lien Wastewater System				
1,000	Revenue Bonds,	7/14 at 100.00	AA+	1,027,750	
1,000	Series 2004, 5.000%, 7/01/24 – NPFG Insured		1 1 -	1,027,700	
	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	1,520,313	
1,040	5.500%, 7/01/22 – FGIC Insured	No Opt. Call	AAA	1,264,130	
	Pima County, Arizona, Sewer System				
	Revenue Obligations, Series 2012A, 5.000%,				
1,500	7/01/26	No Opt. Call	AA-	1,648,140	
	Surprise Municipal Property Corporation,				
	Arizona, Wastewater System Revenue Bonds,				
	Series 2007:				
1,600	4.700%, 4/01/22	4/14 at 100.00	A-	1,603,280	
1,970	4.900%, 4/01/32	4/17 at 100.00	A–	1,886,511	
	Tucson, Arizona, Water System Revenue				
500	Bonds, Refunding Series 2013A, 5.000%,	N - O - 4 C - 11	A A	50C 005	
500	7/01/23	No Opt. Call	AA	586,895	
	Yuma County Industrial Development Authority, Arizona, Exempt Revenue Bonds,	12/17 at			
2,370	Far West Water &	100.00	N/R	2,010,495	
2,370	Sewer Inc. Refunding, Series 2007A, 6.375%,	100.00	11/1	2,010,493	
	12/01/37 (Alternative Minimum Tax)				
16,510	Total Water and Sewer			17,016,214	
10,510	Total Long-Term Investments (cost			17,010,214	
\$ 229,566	\$230,361,302)			234,516,366	
	Floating Rate Obligations – (1.7)%		(2,755,000)		
	MuniFund Term Preferred Shares, at				
	Liquidation Value – (32.0)% (6)			(50,671,000)	
	Variable Rate MuniFund Term Preferred				
	Shares, at Liquidation Value – (17.7)% (6)			(28,000,000)	
	Other Assets Less Liabilities – 3.4%			5,350,799	
	Net Assets Applicable to Common Shares –				
	100%		\$	158,441,165	

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	\$ —	\$234,516,366	\$ —	\$234,516,366

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 November 30, 2013, the cost of investments was \$229,434,167.

Gross unrealized appreciation and gross unrealized depreciation of investments as of November 30, 2013, were as follows:

Gross unrealized:

Appreciation \$11,544,407
Depreciation (9,217,216)
Net unrealized appreciation (depreciation) of investments \$2,327,191

- (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
- (5) securities, 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. MuniFund Term Preferred Shares and Variable Rate MuniFund Term Preferred Shares, at Liquidation
- (6) Value as a percentage of Total Investments are 21.6% and 11.9%, respectively.
- (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: January 29, 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: January 29, 2014

By (Signature and Title) /s/ Stephen D. Foy

Stephen D. Foy

Vice President and Controller (principal financial officer)

Date: January 29, 2014