NUVEEN ARIZONA PREMIUM INCOME MUNICIPAL FUND Form N-Q January 29, 2016

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: 2/29

Date of reporting period: 11/30/15

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			
	Nuveen Arizona Premium Income Municipal Fund (NAZ) November 30, 2015 (Unaudited)			
Principal Amount (000)	Description (1) LONG-TERM INVESTMENTS – 143.9% (100.0% of Total Investments)	Optional Call Provisions (2)	Ratings (3)Value	2
	MUNICIPAL BONDS – 143.9% (100.0% of Total Investments)			
\$ 925	Consumer Staples – 0.5% (0.4% of Total Investments) Puerto Rico, The Children's Trust Fund, Tobacco Settlement Asset-Backed Refunding Bonds, Series 2002, 5.375%, 5/15/33 Education and Civic Organizations – 22.6%	2/16 at 100.00	BBB+ \$	928,719
1,500	(15.7% of Total Investments) Arizona Board of Regents, Arizona State University System Revenue Bonds, Refunding Green	7/25 at 100.00	АА	1,714,680
	Series 2015A, 5.000%, 7/01/41 Arizona Board of Regents, Arizona State University System Revenue Bonds, Refunding			
3,480	Series 2013A, 5.000%, 7/01/43 Arizona Board of Regents, University of Arizona, SPEED Revenue Bonds, Stimulus	No Opt. Call	AA	3,875,467
2,815	Plan for Economic and Educational Development, Series 2014, 5.000%, 8/01/44 Arizona Board of Regents, University of Arizona, System Revenue Bonds, Tender	8/24 at 100.00	Aa3	3,157,332
2,240	Option Bond Trust 2015-XF0053, 17.938%, 6/01/20 (IF) Arizona Board of Regents, University of Arizona, SPEED Revenue Bonds, Stimulus	No Opt. Call	Aa2	3,251,808
1,400	Plan for Economic and Educational Development, Series 2013, 5.000%, 8/01/21	No Opt. Call	Aa3	1,654,072
2,000	50105 2013, 51000 %, 6/01/21	5/22 at 100.00	А-	2,219,600

	Glendale Industrial Development Authority, Arizona, Revenue Bonds, Midwestern University, Refunding Series 2007, 5.000%, 5/15/31 Glendale Industrial Development Authority,			
3,775	 Arizona, Revenue Bonds, Midwestern University, Refunding Series 2010, 5.125%, 5/15/40 Industrial Development Authority of Phoenix, Arizona, Education Facility Revenue Bonds, Legacy 	5/20 at 100.00	A+	4,234,569
	Traditional Schools Projects, Series 2015:			
315	5.000%, 7/01/35	No Opt. Call	BB	316,178
300	5.000%, 7/01/45	No Opt. Call	BB	290,973
	Northern Arizona University, System Revenue			
	Bonds, Refunding Series 2014, 5.000%,			
1,875	6/01/40	6/24 at 100.00	A+	2,110,256
010	Northern Arizona University, System Revenue			000 (50
910	Bonds, Series 2012, 5.000%, 6/01/41 Phoenix Industrial Development Authority, Arizona, Education Facility Revenue Bonds,	6/21 at 100.00	A+	989,652
900	Choice	9/22 at 100.00	BB+	947,619
	Academies Charter Schools Project, Series 2012, 5.625%, 9/01/42 Phoenix Industrial Development Authority,			,
	Arizona, Education Facility Revenue Bonds,		~	
750	fbo Brighter Choice Foundation Charter Middle Schools Project, Albany, New York, Series 2012, 7.500%, 7/01/42	7/22 at 100.00	C	307,433
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	561,375
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	620,644
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	N/R	762,671
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	А	3,957,681

	Pima County Industrial Development Authority, Arizona, Charter School Revenue			
200	Bonds, Desert Heights Charter School, Series 2014, 7.250%, 5/01/44	5/24 at 100.00	N/R	215,566
745	Pima County Industrial Development Authority, Arizona, Education Revenue Bonds, Carden Traditional Schools Project, Series 2012, 7.500%, 1/01/42	1/22 at 100.00	В	711,408
1,000	Pima County Industrial Development Authority, Arizona, Education Revenue Bonds, Horizon	6/16 at 100.00	BBB	1,004,200
	Community Learning Center Project, Series 2000, 5.250%, 6/01/35 Pima County Industrial Development Authority, Arizona, Education Revenue			
500	Bonds, Noah Webster Schools ? Mesa Project, Series 2015A, 5.000%, 12/15/34 Pima County Industrial Development Authority, Arizona, Education Revenue Bonds, Paradise Education Center Project, Series 2010:	No Opt. Call	BB+	498,770
745	6.000%, 6/01/40	6/19 at 100.00	BB+	769,391
550	6.100%, 6/01/45	6/19 at 100.00	BB+	568,865
	Pima County Industrial Development	0,17, 00,100,000	221	000,000
	Authority, Arizona, Educational Revenue			
655	Bonds, Paradise	6/16 at 100.00	BB+	658,517
0.55	Education Center Charter School, Series 2006, 6.000%, 6/01/36 Pima County Industrial Development Authority, Arizona, Educational Revenue	0,10 at 100.00		000,017
1,000	Bonds, Valley Academy Charter School Project, Series 2008, 6.500%, 7/01/38 Student and Academic Services LLC, Arizona,	7/18 at 100.00	Baa3	1,045,530
780	Lease Revenue Bonds, Northern Arizona University Project, Series 2014, 5.000%, 6/01/39 – BAM Insured Sun Devil Energy LLC, Arizona, Revenue	6/24 at 100.00	AA	881,938
250	Refunding Bonds, Arizona State University			204 200
250	Project, Series 2008, 5.000%, 7/01/22 Yavapai County Industrial Development	No Opt. Call	AA–	294,380
	Authority, Arizona, Education Revenue			
825	Bonds, Arizona Agribusiness and Equine Center, Inc. Project,	3/21 at 100.00	BB+	958,172
35,015	Series 2011, 7.875%, 3/01/42 Total Education and Civic Organizations			20 570 717
55,015	Total Education and Civic Organizations			38,578,747

	Health Care – 20.1% (13.9% of Total Investments)			
7,730	Arizona Health Facilities Authority, Hospital Revenue Bonds, Banner Health Systems, Series	1/18 at 100.00	AA-	8,271,718
	2008D, 5.500%, 1/01/38 Arizona Health Facilities Authority, Hospital Bayanya Banda, Bannar Haalth Systems			
1,200	Revenue Bonds, Banner Health Systems, Series 2014A, 5.000%, 1/01/44	1/24 at 100.00	AA–	1,333,812
5,100	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+	5,400,390
	Arizona Health Facilities Authority, Revenue Bonds, Scottsdale Lincoln Hospitals Project, Series 2014A:			
	Series 2014A.	12/24 at		
3,000	5.000%, 12/01/39	100.00 12/24 at	A2	3,319,290
2,860	5.000%, 12/01/42 Maricopa County Industrial Development	100.00	A2	3,152,835
7.560	Authority, Arizona, Health Facility Revenue	7/17 / 100 00		7 001 140
7,560	Bonds, Catholic Healthcare West, Series 2007A, 5.250%, 7/01/32	7/17 at 100.00	A	7,881,149
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	1,235,707
	Yavapai County Industrial Development Authority, Arizona, Hospital Revenue Bonds, Yavapai			
	Regional Medical Center, Series 2013A:			
210	5.000%, 8/01/19	No Opt. Call	Baa1	228,161
1,000	5.250%, 8/01/33	8/23 at 100.00	Baa1	1,107,200
	Yuma Industrial Development Authority, Arizona, Hospital Revenue Bonds, Yuma Regional Medical			
	Center, Series 2014A:			
1,000	5.000%, 8/01/22	No Opt. Call	A–	1,160,060
1,000 31,780	5.250%, 8/01/32 Total Health Care	8/24 at 100.00	A–	1,139,060
51,780	Long-Term Care – 0.8% (0.6% of Total Investments) Arizona Health Facilities Authority, Health			34,229,382
	Care Facilities Revenue Bonds, The	10/16 at		
495	Beatitudes Campus Project, Series 2006, 5.100%,	100.00	N/R	497,836
	10/01/22			
780			N/R	843,929

	Tempe Industrial Development Authority, Arizona, Revenue Bonds, Friendship Village of Tempe Project, Refunding Series 2012A, 6.000%,	12/21 at 100.00		
1,275	12/01/32 Total Long-Term Care Tax Obligation/General – 14.6% (10.1% of Total Investments)			1,341,765
2,500	 Chandler, Arizona, General Obligation Bonds, Refunding Series 2014, 5.000%, 7/01/24 Dysart Unified School District Number 89, Maricopa County, Arizona, General Obligation Bonds, Refunding Series 2014: 	No Opt. Call	AAA	3,113,525
1 000	6	7/24 at 100.00	AA-	1 101 250
1,000 525	5.000%, 7/01/26	7/24 at 100.00	AA– AA–	1,191,250 620,954
525	5.000%, 7/01/27 El Mirage, Arizona, General Obligation Bonds		AA-	020,934
2,140	Series 2012, 5.000%, 7/01/42 – AGM Insured Maricopa County Elementary School District		AA	2,344,434
1 0 0 0	83 Cartwright, Arizona, General Obligation			
1,000	Bonds, School Improvement, Project 2010, Series 2011A, 5.375%, 7/01/30 – AGM Insured Maricopa County School District 6, Arizona,	7/21 at 100.00	AA	1,132,830
	General Obligation Refunding Bonds,			
1,020	 Washington Elementary School, Series 2002A, 5.375%, 7/01/16 – AGM Insured Maricopa County School District 79 Litchfield Elementary, Arizona, General Obligation 	No Opt. Call	AA	1,049,855
775	Bonds, Series 2011, 5.000%, 7/01/23	7/21 at 100.00	Aa2	910,524
	Pima County Continental Elementary School			
	District 39, Arizona, General Obligation			
1,370	Bonds,	7/21 at 100.00	AA	1,644,219
	Series 2011A, 6.000%, 7/01/30 – AGM Insured Pima County Unified School District 12 Sunnyside, Arizona, General Obligation	d		
2,895	Bonds, School Improvement Project 2011, Series 2014D,	7/24 at 100.00	AA	3,299,779
1,750	5.000%, 7/01/34 – AGM Insured Pima County Unified School District 6, Marana, Arizona, General Obligation Bonds, School Improvement Project 2010 Series 2011A, 5.000%, 7/01/25 Pima County Unified School District 8	7/21 at 100.00	A+	1,989,470
1,000	Pima County Unified School District 8 Flowing Wells, Arizona, General Obligation Bonds, Series 2011B, 5.375%, 7/01/29	7/21 at 100.00	A+	1,145,770

	Scottsdale, Arizona, General Obligation			
1 2 1 0	Bonds, Preserve Acquisition Series 1999:	= 10 1 0 0 0 0		1 100 000
1,310	5.000%, 7/01/32	7/21 at 100.00	AAA	1,498,090
1,360	5.000%, 7/01/33	7/21 at 100.00	AAA	1,551,434
1,705	5.000%, 7/01/34	7/21 at 100.00	AAA	1,939,250
	Western Maricopa Education Center District			
	402, Maricopa County, Arizona, General			
	Obligation			
	Bonds, School Improvement Project 2012,			
	Series2014B:			
715	4.500%, 7/01/33	7/24 at 100.00	AA–	783,161
665	4.500%, 7/01/34	7/24 at 100.00	AA-	726,825
21,730	Total Tax Obligation/General			24,941,370
	Tax Obligation/Limited – 36.4% (25.3% of			
	Total Investments)			
	Arizona Sports and Tourism Authority, Tax			
	Revenue Bonds, Multipurpose Stadium			
2,310	Facility	7/22 at 100.00	A1	2,459,018
	Project, Refunding Senior Series 2012A,			
	5.000%, 7/01/36			
	Arizona State Transportation Board, Highway			
	Revenue Bonds, Refunding Subordinate Series			
1.075	2011A:			1 210 551
1,275	5.000%, 7/01/16	No Opt. Call	AA+	1,310,751
1,025	5.000%, 7/01/36	7/21 at 100.00	AA+	1,175,234
1,000	Buckeye, Arizona, Excise Tax Revenue	7/25 at 100.00	AA-	1,131,680
1,000	Obligations, Series 2015, 5.000%, 7/01/37 Buckeye, Arizona, Festival Ranch Community		AA-	1,151,080
	Facilities District General Obligation Bonds,			
	Series 2012:			
345	5.000%, 7/15/27 – BAM Insured	7/22 at 100.00	AA	382,853
1,085	5.000%, 7/15/31 – BAM Insured	7/22 at 100.00	AA	1,181,120
1,005	Centerra Community Facilities District,	1122 at 100.00	1 11 1	1,101,120
	Goodyear, Arizona, General Obligation			
586	Bonds, Series	2/16 at 100.00	N/R	586,217
000	2005, 5.500%, 7/15/29	_ , 10 u 100100	1.011	000,217
	Eastmark Community Facilities District 1,			
	Mesa, Arizona, General Obligation Bonds,			
1,210	Series	7/25 at 100.00	N/R	1,221,084
-,	2015, 5.000%, 7/15/39			_,,
	Eastmark Community Facilities District 1,			
	Mesa, Arizona, Special Assessment Revenue			
494	Bonds,	7/23 at 100.00	N/R	508,133
	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:			
426	5.700%, 7/01/27	1/17 at 100.00	N/R	432,714
458	5.800%, 7/01/32	1/17 at 100.00	N/R	463,290

612	Estrella Mountain Ranch Community Facilities District, Goodyear, Arizona, Special Assessment	2/16 at 100.00	N/R	613,818
-	Lien Bonds, Series 2001A, 7.875%, 7/01/25 Goodyear, Arizona, Community Facilities General District 1, Arizona, General			,
1,500	Obligation Refunding Bonds, Series 2013, 5.000%, 7/15/23 Government of Guam, Business Privilege Tax	No Opt. Call	A–	1,720,635
	Bonds, Series 2011A:			
510	5.000%, 1/01/31	1/22 at 100.00	А	562,464
200	5.125%, 1/01/42	1/22 at 100.00	А	217,214
1,500	Government of Guam, Business Privilege Tax Bonds, Series 2012B-1, 5.000%, 1/01/37 Greater Arizona Development Authority,	1/22 at 100.00	А	1,624,890
1,550	Infrastructure Revenue Bonds, Series 2006A, 5.000%, 8/01/23 – NPFG Insured	8/16 at 100.00	AA-	1,595,121
250	La Paz County, Arizona, Excise Tax Revenue Bonds, Judgement Series 2011A, 4.750%, 7/01/36 Marana, Arizona, Pledged Excise Tax	7/17 at 100.00	AA	255,823
1,425	Revenue Bonds, Refunding Series 2013, 5.000%, 7/01/33 Marana, Arizona, Tangerine Farms Road	7/23 at 100.00	AA	1,612,915
2,854	Improvement District Revenue Bonds, Series 2006, 4.600%, 1/01/26	7/16 at 100.00	A2	2,876,147
680	Marley Park Community Facilities District, City of Surprise, Arizona, Limited Tax General Obligation Bonds, Series 2008 (Bank Qualified), 6.100%, 7/15/32 Merrill Ranch Community Facilities District	7/17 at 100.00	N/R	691,152
1,160	1, Florence, Arizona, General Obligation Bonds, Series 2008A, 7.400%, 7/15/33	7/18 at 100.00	BBB-	1,251,454
300	Page, Arizona, Pledged Revenue Bonds, Refunding Series 2011, 5.000%, 7/01/26 Palm Valley Community Facility District 3,	7/21 at 100.00	AA-	339,375
1,500	Goodyear, Arizona, General Obligation Bonds, Series 2006, 5.300%, 7/15/31	7/16 at 100.00	N/R	1,504,680
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	1,011,780
	Prescott Valley, Arizona, General Obligation			
400	Bonds,	7/16 at 100.00	N/R	400,884

	Series 2006, 5.350%, 7/15/31 Phoenix Civic Improvement Corporation,			
1,010	Arizona, Transit Excise Tax Revenue Refunding Bonds, Light Rail Project, Series 2013, 5.000%,	No Opt. Call	AA	1,174,630
2,500	7/01/20 Phoenix Industrial Development Authority, Arizona, Education Facility Revenue Bonds, JMF-Higley 2012 LLC Project, Series 2012, 5.000%, 12/01/36	No Opt. Call	А	2,724,625
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+	628,279
1,610	Pinal County Industrial Development Authority, Arizona, Correctional Facilities Contract Revenue Bonds, Florence West Prison LLC, Series 2002A, 5.000%, 10/01/18 – ACA Insured	2/16 at 100.00	BBB-	1,612,415
1,000	Pinal County, Arizona, Pledged Revenue Obligations, Series 2014, 5.000%, 8/01/33 Pinetop Fire District of Navajo County,	8/24 at 100.00	AA-	1,151,640
1,140	Arizona, Certificates of Participation, Series 2008, 7.750%, 6/15/29	6/16 at 102.00	A3	1,174,531
1,000	Regional Public Transportation Authority, Arizona, Transportation Excise Tax Revenue Bonds, Maricopa County Public Transportation Fund Series 2014, 5.250%, 7/01/22 San Luis, Arizona, Pledged Excise Tax	No Opt. Call	AA+	1,221,700
1,400 2,100	Revenue Bonds, Refunding Series2014A: 5.000%, 7/01/34 – BAM Insured 5.000%, 7/01/38 – BAM Insured Scottsdale Municipal Property Corporation,	7/24 at 100.00 7/24 at 100.00	AA AA	1,595,748 2,371,677
3,000	Arizona, Excise Tax Revenue Bonds, Refunding Series 2006, 5.000%, 7/01/24 Scottsdale Municipal Property Corporation,	No Opt. Call	AAA	3,722,820
5,000	Arizona, Excise Tax Revenue Bonds, Water & Sewer Improvements Project, Series 2010, 5.000%, 7/01/36	7/20 at 100.00	AAA	5,655,350
1,570	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	1,599,783
4,000	Tempe, Arizona, Transit Excise Tax Revenue Obligation Bonds, Refunding Series 2012,	7/22 at 100.00	AAA	4,484,920

	5.000%, 7/01/37 Virgin Islands Public Finance Authority, Gross Receipts Taxes Loan Note, Refunding			
1,750	Series 2012A, 4.000%, 10/01/22 – AGM Insured Virgin Islands Public Finance Authority,	No Opt. Call	AA	1,864,328
1,360	Matching Fund Loan Notes Revenue Bonds, Senior Lien Series 2010A, 5.000%, 10/01/29 Watson Road Community Facilities District,	10/20 at 100.00	BBB	1,482,822
1,499	 Arizona, Special Assessment Revenue Bonds, Series 2005, 6.000%, 7/01/30 Westpark Community Facilities District, Buckeya Arizona General Obligation Tax 	7/16 at 100.00	N/R	1,510,407
1,000	Buckeye, Arizona, General Obligation Tax Increment Bonds Series 2006, 5.250%, 7/15/31	7/16 at 100.00	N/R	1,003,430
57,174	Total Tax Obligation/Limited Transportation – 5.0% (3.5% of Total Investments) Phoenix Civic Improvement Corporation, Arizona, Airport Revenue Bonds, Junior Lien			62,109,551
180	Series 2010A, 5.000%, 7/01/40 Phoenix Civic Improvement Corporation, Arizona, Airport Revenue Bonds, Junior Lien Series 2015A:	7/20 at 100.00	A+	200,335
910	5.000%, 7/01/40 (WI/DD, Settling 12/15/15)	7/25 at 100.00	A+	1,031,776
2,185	5.000%, 7/01/45 (WI/DD, Settling 12/15/15) Phoenix Civic Improvement Corporation, Arizona, Airport Revenue Bonds, Refunding Senior Lien Series 2013:	7/25 at 100.00	A+	2,458,387
1,785	5.000%, 7/01/30 (Alternative Minimum Tax)	7/23 at 100.00	AA-	2,024,279
2,215	5.000%, 7/01/32 (Alternative Minimum Tax) Virgin Islands Port Authority, Marine Revenue Bonds, Refunding Series 2014B,	7/23 at 100.00	AA–	2,492,717
395 7,670	 5.000%, 9/01/44 Total Transportation U.S. Guaranteed – 15.4% (10.7% of Total Investments) (5) Arizona Health Facilities Authority, Hospital Revenue Bonds, Banner Health Systems, 	9/24 at 100.00	BBB+	428,460 8,635,954
3,500	Series 2007A, 5.000%, 1/01/25 (Pre-refunded 1/01/17) Gila County Unified School District 10 Payson, Arizona, School Improvement Bonds,	1/17 at 100.00	AA- (5)	3,667,825
1,265	Project 2006, Series 2008B, 5.750%, 7/01/28 (Pre-refunded 7/01/18)	7/18 at 100.00	Aa3 (5)	1,418,179

	Glendale Industrial Development Authority,			
	Arizona, Revenue Bonds, John C. Lincoln	12/17 at		
2,965	Health	100.00	N/R (5)	3,209,850
	Network, Series 2007, 5.000%, 12/01/42			
	(Pre-refunded 12/01/17)			
	Greater Arizona Development Authority,			
	Infrastructure Revenue Bonds, Series 2006-1,			
2,280	5.000%,	8/16 at 100.00	AA-(5)	2,349,996
	8/01/22 (Pre-refunded 8/01/16) – NPFG Insure			, ,
	Maricopa County Industrial Development			
	Authority, Arizona, Hospital Revenue			
175	Refunding Bonds,	No Opt. Call	N/R (5)	177,476
170	Samaritan Health Services, Series 1990A,	ite opu cuit	1 ((11 (0)	1,,,,,,,
	7.000%, 12/01/16 – NPFG Insured (ETM)			
	Maricopa County Unified School District 95			
	Queen Creek, Arizona, General Obligation			
1,200	Bonds,	7/18 at 100.00	Aa3 (5)	1,322,388
1,200	Series 2008, 5.000%, 7/01/27 (Pre-refunded	//10 at 100.00	$\operatorname{Ad}(J)$	1,522,500
	7/01/18) – AGM Insured			
	Maricopa County Union High School District			
665	210 Phoenix, Arizona, General Obligation	7/16 at 100.00	A A (5)	602 217
005	Bonds, Social 2006C 5 0000 7/01/24 (Bro refunded	//10 at 100.00	AA (5)	683,347
	Series 2006C, 5.000%, 7/01/24 (Pre-refunded			
	7/01/16) – NPFG Insured			
	Mesa, Arizona, Utility System Revenue			
(20)	Refunding Bonds, Series 2002, 5.250%,	No Orth Call	$\mathbf{A} = \mathbf{C} (5)$	(75 400
630	7/01/17 – ECIC Learned (ETM)	No Opt. Call	Aa2 (5)	675,499
	FGIC Insured (ETM)			
	Pinal County Unified School District 1,			
4 520	Florence, Arizona, General Obligation Bonds,	7/10 / 100.00	A (5)	5 000 071
4,530	Series	7/18 at 100.00	A (5)	5,020,871
	2008C, 5.250%, 7/01/28 (Pre-refunded			
	7/01/18)			
a 000	Salt River Project Agricultural Improvement	1/1/2 100.00		
2,000	and Power District, Arizona, Electric System	1/16 at 100.00	Aa1 (5)	2,008,220
	Revenue Bonds, Series 2005A, 5.000%,			
	1/01/35 (Pre-refunded 1/01/16)			
	University Medical Center Corporation,			
	Tucson, Arizona, Hospital Revenue Bonds,			
2,585	Series 2011,	7/21 at 100.00	N/R (5)	3,212,405
	6.000%, 7/01/39 (Pre-refunded 7/01/21)			
	University Medical Center Corporation,			
	Tucson, Arizona, Hospital Revenue Bonds,			
	Series 2013:			
200	5.000%, 7/01/19 (ETM)	No Opt. Call	N/R (5)	227,162
800	5.000%, 7/01/20 (ETM)	No Opt. Call	N/R (5)	931,952
	Yuma & La Paz Counties Community College			
	District, Arizona, General Obligation Bonds,			
1,340	Series	7/16 at 100.00	AA- (5)	1,376,971
	2006, 5.000%, 7/01/21 (Pre-refunded 7/01/16)			
	– NPFG Insured			

24,135	Total U.S. Guaranteed			26,282,141
	Utilities – 17.2% (12.0% of Total Investments)			
	Apache County Industrial Development			
1 405	Authority, Arizona, Pollution Control	2/22 === 100.00	A 2	1 507 701
1,495	Revenue Bonds, Tueson Electric Power Compony, Series	3/22 at 100.00	A3	1,597,721
	Tucson Electric Power Company, Series			
	20102A, 4.500%, 3/01/30 Arizona Power Authority, Special Obligation			
	Power Resource Revenue Refunding			
1,500	Crossover Bonds,	No Opt. Call	AA	1,621,260
1,000	Hoover Project, Series 2001, 5.250%,	ito opi. cuii		1,021,200
	10/01/17			
	Maricopa County Pollution Control			
	Corporation, Arizona, Pollution Control			
4,310	Revenue Refunding	6/20 at 100.00	Aa3	4,834,656
	Bonds, Southern California Edison Company,			
	Series 2000A, 5.000%, 6/01/35			
	Mesa, Arizona, Utility System Revenue			
	Refunding Bonds, Series 2002, 5.250%,			
370	7/01/17 –	No Opt. Call	Aa2	396,688
	FGIC Insured			
	Pinal County Electrical District 3, Arizona,			
1 000	Electric System Revenue Bonds, Refunding	7/21 / 100.00	•	1 002 150
1,800	Series	7/21 at 100.00	А	1,993,158
	2011, 5.250%, 7/01/36 Solt River Project Agricultural Improvement			
1,500	Salt River Project Agricultural Improvement and Power District, Arizona, Electric System	6/25 at 100.00	Aa1	1,754,565
1,500	Revenue Bonds, Refunding Series 2015A,	0725 at 100.00	Aal	1,754,505
	5.000%, 12/01/36			
	Salt River Project Agricultural Improvement			
2,500	and Power District, Arizona, Electric System	1/18 at 100.00	Aa1	3,216,100
)	Revenue Bonds, Tender Option Bond Trust			-, -,
	09-9W, 17.700%, 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	BBB+	5,450,535
5,665	5.000%, 12/01/37	No Opt. Call	BBB+	6,346,556
	Yuma County Industrial Development	10/17		
2 270	Authority, Arizona, Exempt Revenue Bonds,	12/17 at	NI/D	2 225 122
2,370	Far West Water & Source Inc. Defunding Series 2007A 6 2750	100.00	N/R	2,225,122
	Sewer Inc. Refunding, Series 2007A, 6.375%, 12/01/37 (Alternative Minimum Tax)			
26,010	Total Utilities			29,436,361
20,010	Water and Sewer – 11.3% (7.8% of Total			27,450,501
	Investments)			
	City of Goodyear, Arizona Subordinate Lien			
	Water and Sewer Revenue Obligations, Series			
500	2011,	7/21 at 100.00	AA	585,275
	5.500%, 7/01/41			

	Glendale, Arizona, Water and Sewer Revenue			
500	Bonds, Refunding Series 2012, 5.000%, 7/01/28	7/22 at 100.00	AA	578,915
2,855	Goodyear, Arizona, Water and Sewer Revenue Obligations, Series 2010, 5.625%, 7/01/39 Guam Waterworks Authority, Water and	7/20 at 100.00	AA–	3,332,956
500	Wastewater System Revenue Bonds, Series 2013, 5.250%, 7/01/33 Lake Havasu City, Arizona, Wastewater	7/23 at 100.00	A–	561,025
1,125	System Revenue Bonds, Refunding Senior Lien Series 2015A, 5.000%, 7/01/36 – AGM Insured Phoenix Civic Improvement Corporation,	7/25 at 100.00	AA	1,294,009
1,135	Arizona, Wastewater System Revenue Bonds, Refunding Junior Lien Series 2014, 5.000%, 7/01/29 Phoenix Civic Improvement Corporation,	7/24 at 100.00	AA+	1,341,468
2,000	Arizona, Water System Revenue Bonds, Junior Lien Series 2014A, 5.000%, 7/01/39 Phoenix Civic Improvement Corporation, Arizona, Water System Revenue Bonds, Pafunding Junior	7/24 at 100.00	AAA	2,299,120
	Refunding Junior Lien Series 2001:			
1,250	5.500%, 7/01/21 – FGIC Insured	No Opt. Call	AAA	1,519,225
1,040	5.500%, 7/01/22 – FGIC Insured Pima County, Arizona, Sewer System Revenue Obligations, Series 2012A, 5.000%,	No Opt. Call	AAA	1,286,719
1,500	7/01/26 Pima County, Arizona, Sewer System Revenue Obligations, Series 2014, 5.000%,	No Opt. Call	AA-	1,761,210
1,000	 Kevenue Obligations, Series 2014, 5.000%, 7/01/22 Surprise Municipal Property Corporation, Arizona, Wastewater System Revenue Bonds, Series 2007: 	No Opt. Call	AA-	1,197,900
870	4.700%, 4/01/22	4/16 at 100.00	А	881,780
1,970	4.900%, 4/01/32 Tucson, Arizona, Water System Revenue Bonds, Refunding Series 2013A, 5.000%,	4/17 at 100.00	А	2,000,712
500	7/01/23	No Opt. Call	AA	607,260
16,745	Total Water and Sewer Total Long-Term Investments (cost	-		19,247,574
\$ 222,459	\$227,497,586) Floating Rate Obligations – (1.6)% Variable Rate MuniFund Term Preferred			245,731,564 (2,755,000)
	Shares, at Liquidation Value $-(46.3)\%$ (6) Other Assets Less Liabilities -4.0%			(79,000,000) 6,729,761
	Net Assets Applicable to Common Shares – 100%		\$	170,706,325

Fair Value Measurements

Fair value is defined as the price that would be received 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 risk associated with investing in those securities. The following is a summary of the Fund's fair value measurements as of November 30, 2015:

	Level 1	Level 2	Level 3	Total
Long-Term Investments:				
Municipal Bonds	\$— 5	\$245,731,564	\$\$	245,731,564

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 with in 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, 2015, the cost of investments was \$226,297,929.

Gross unrealized appreciation and gross unrealized depreciation of investments as of November 30, 2015, were as follows:

Gross unrealized:	
Appreciation	\$ 19,357,803
Depreciation	(2,679,170)
Net unrealized appreciation (depreciation) of investments	\$ 16,678,633

- (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. Variable Rate MuniFund Term Preferred Shares, at Liquidation Value as a percentage of Total
- (6) Investments is 32.1%.
- (ETM) Escrowed to maturity.
 - (IF) Inverse floating rate investment.
- (UB) Underlying bond of an inverse floating rate trust reflected as a financing transaction.
- (WI/DD) Investment, or portion of investment, purchased on a when-issued or delayed delivery basis.

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 Premium Income Municipal Fund

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

Date: January 29, 2016

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 /s/ Gifford R. Zimmerman and Title) Gifford R. Zimmerman Chief Administrative Officer (principal executive officer) Date: January 29, 2016

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

Stephen D. Foy Vice President and Controller (principal financial officer)

Date: January 29, 2016