NUVEEN ARIZONA PREMIUM INCOME MUNICIPAL FUND Form N-Q July 30, 2015

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: 5/31/15

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) May 31, 2015 (Unaudited)

Principal Amount (000)	Description (1) LONG-TERM INVESTMENTS – 144.7% (100.0% of Total Investments)	Optional Call Provisions (2)	Ratings (3)Value	e
	MUNICIPAL BONDS – 144.7% (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 – 22.9% (15.9% of Total Investments) Arizona Board of Regents, Arizona State	8/15 at 100.00	BBB+ \$	934,074
1,500	University System Revenue Bonds, Refunding Green Series 2015A, 5.000%, 7/01/41 Arizona Board of Regents, Arizona State University System Revenue Bonds, Refunding	7/25 at 100.00	AA	1,689,825
3,480	Series 2013A, 5.000%, 7/01/43 Arizona Board of Regents, Univeristy of Arizona, SPEED Revenue Bonds, Stimulus	No Opt. Call	AA	3,853,439
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	3,125,044
2,240	Option Bond Trust 2015-XF0053, 17.807%, 6/01/42 (IF) Arizona Board of Regents, University of Arizona, SPEED Revenue Bonds, Stimulus	6/22 at 100.00	AA-	3,197,018
1,400	Plan for Economic and Educational Development, Series 2013, 5.000%, 8/01/21	No Opt. Call	Aa3	1,648,122

750	Arizona State University, System Revenue Bonds, Series 2005, 5.000%, 7/01/21 – AMBAC Insured Glendale Industrial Development Authority,		Aa3	753,022
2,000	Arizona, Revenue Bonds, Midwestern University, Refunding Series 2007, 5.000%, 5/15/31 Glendale Industrial Development Authority, Arizona, Revenue Bonds, Midwestern	5/22 at 100.00	A-	2,202,060
3,775	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+	4,154,236
315	Traditional Schools Projects, Series 2015: 5.000%, 7/01/35	No Opt. Call	ВВ	315,482
300	5.000%, 7/01/35	No Opt. Call	BB	296,763
300	Northern Arizona University, System Revenue Bonds, Refunding Series 2014, 5.000%,	No Opt. Can	ББ	290,703
1,875	6/01/40	6/24 at 100.00	A+	2,091,544
910	Northern Arizona University, System Revenue	6/21 at 100.00	A+	985,921
910	Bonds, Series 2012, 5.000%, 6/01/41 Phoenix Industrial Development Authority, Arizona, Education Facility Revenue Bonds,	0/21 at 100.00	A+	983,921
900	Choice	9/22 at 100.00	BB+	949,482
755	Academies Charter Schools Project, Series 2012, 5.625%, 9/01/42 Phoenix Industrial Development Authority, Arizona, Education Facility Revenue Bonds, fbo	7/22 at 100.00	C	640,391
	Brighter Choice Foundation Charter Middle Schools Project, Albany, New York, Series 2012, 7.500%, 7/01/42 Phoenix Industrial Development Authority, Arizona, Education Facility Revenue Bonds,			
500	Legacy Traditional Schools Project, Series 2014A, 6.750%, 7/01/44 Phoenix Industrial Development Authority,	7/24 at 100.00	N/R	571,305
585	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	622,762
745	Arizona, Education Revenue Bonds, Painted Rock Academy Charter School Project, Series	7/20 at 100.00	N/R	763,357
3,675	2012A, 7.500%, 7/01/42 Phoenix Industrial Development Authority, Arizona, Lease Revenue Bonds, Rowan	6/22 at 100.00	A3	3,930,008

	University Project, 5.000%, 6/01/42 – AGM Insured (UB)	ı		
	(4) Pima County Industrial Development			
200	Authority, Arizona, Charter School Revenue Bonds, Desert Heights Charter School, Series 2014, 7.250%, 5/01/44	5/24 at 100.00	N/R	208,828
745	Pima County Industrial Development Authority, Arizona, Education Revenue Bonds, Carden Traditional Schools Project, Series 2012,	1/22 at 100.00	В	720,825
	7.500%, 1/01/42 Pima County Industrial Development Authority, Arizona, Education Revenue	12/15 at		
1,000	Bonds, Horizon Community Learning Center Project, Series	100.00	BBB	1,004,050
	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	No Opt. Call	BB+	497,520
	Pima County Industrial Development Authority, Arizona, Education Revenue Bonds, Paradise			
	Education Center Project, Series 2010:			
745	6.000%, 6/01/40	6/19 at 100.00	BB+	778,883
200	6.100%, 6/01/45 Pima County Industrial Development Authority, Arizona, Educational Revenue	6/19 at 100.00	BB+	209,446
655	Bonds, Paradise Education Center Charter School, Series 2006, 6.000%, 6/01/36	6/16 at 100.00	BB+	662,788
1,000	Pima County Industrial Development Authority, Arizona, Educational Revenue Bonds, Valley Academy Charter School Project, Series 2008,	7/18 at 100.00	Baa3	1,053,200
780	6.500%, 7/01/38 Student and Academic Services LLC, Arizona, Lease Revenue Bonds, Northern Arizona University	6/24 at 100.00	AA	863,990
700	Project, Series 2014, 5.000%, 6/01/39 – BAM Insured Sun Devil Energy LLC, Arizona, Revenue	0/24 at 100.00	M	003,770
250	Refunding Bonds, Arizona State University Project, Series 2008, 5.000%, 7/01/22 Yavapai County Industrial Development	No Opt. Call	AA-	291,430
825	Authority, Arizona, Education Revenue Bonds, Arizona	3/21 at 100.00	BB+	968,492

35,420	Agribusiness and Equine Center, Inc. Project, Series 2011, 7.875%, 3/01/42 Total Education and Civic Organizations Health Care – 23.2% (16.0% of Total Investments)			39,049,233
3,500	Arizona Health Facilities Authority, Hospital Revenue Bonds, Banner Health Systems, Series 2007A, 5.000%, 1/01/25 Arizona Health Facilities Authority, Hospital	1/17 at 100.00	AA-	3,714,935
7,730	Revenue Bonds, Banner Health Systems, Series 2008D, 5.500%, 1/01/38 Arizona Health Facilities Authority, Hospital	1/18 at 100.00	AA-	8,321,809
1,200	Revenue Bonds, Banner Health Systems, Series 2014A, 5.000%, 1/01/44	1/24 at 100.00	AA-	1,309,236
5,100	Arizona Health Facilities Authority, Hospital System Revenue Bonds, Phoenix Children's Hospital, Refunding Series 2012A, 5.000%, 2/01/42 Arizona Health Facilities Authority, Revenue	2/22 at 100.00	BBB+	5,382,030
	Bonds, Scottsdale Lincoln Hospitals Project, Series 2014A:			
2,280	5.000%, 12/01/39	12/24 at 100.00 12/24 at	A2	2,471,018
2,500	5.000%, 12/01/42 Maricopa County Industrial Development	100.00	A2	2,713,575
7,560	Authority, Arizona, Health Facility Revenue Bonds, Catholic Healthcare West, Series 2007A, 5.250%, 7/01/32	7/17 at 100.00	A	7,942,536
120	Puerto Rico Industrial, Tourist, Educational, Medical and Environmental Control Facilities Financing Authority, Hospital Revenue Bonds, Hospital de la Concepcion, Series	8/15 at 100.00	AA+	120,557
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	9/20 at 100.00	AA	1,233,837