

NUVEEN ARIZONA PREMIUM INCOME MUNICIPAL FUND INC  
Form N-Q  
July 29, 2011

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 811-7278

Nuveen Arizona Premium Income Municipal Fund, Inc.  
(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: 5/31/11

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, Inc. (NAZ)

May 31, 2011

Principal Amount (000)	Description (1)	Optional Call Provisions (2)	Ratings (3)	Value
	Consumer Staples – 1.1% (0.8% of Total Investments)			
\$ 750	Puerto Rico, The Children’s Trust Fund, Tobacco Settlement Asset-Backed Refunding Bonds, Series 2002, 5.375%, 5/15/33	5/12 at 100.00	BBB	\$ 664,005
	Education and Civic Organizations – 16.0% (11.3% of Total Investments)			
2,500	Arizona Higher Education Loan Authority, Student Loan Revenue Bonds, Series 2007B, Auction	9/11 at 100.00	A	2,066,875
1,000	Rate Securities, 0.630%, 11/01/41 (Alternative Minimum Tax) (4) Arizona State University, System Revenue Bonds, Series 2002, 5.000%, 7/01/25 – FGIC Insured	7/12 at 100.00	AA	1,033,120
1,455	Arizona State University, System Revenue Bonds, Series 2005: 5.000%, 7/01/20 – AMBAC Insured	7/15 at 100.00	Aa3	1,528,288
750	5.000%, 7/01/21 – AMBAC Insured	7/15 at 100.00	Aa3	782,423
755	Glendale Industrial Development Authority, Arizona, Revenue Bonds, Midwestern University, Refunding Series 2007, 5.000%, 5/15/31	5/22 at 100.00	A–	730,900
1,600	Glendale Industrial Development Authority, Arizona, Revenue Bonds, Midwestern University, Refunding Series 2010, 5.125%, 5/15/40	5/20 at 100.00	A–	1,483,040
1,500	Tempe Industrial Development Authority, Arizona, Lease Revenue Bonds, Arizona State University	7/13 at 100.00	N/R	1,330,035
825	Foundation Project, Series 2003, 5.000%, 7/01/34 – AMBAC Insured Yavapai County Industrial Development Authority, Arizona, Charter School Revenue Bonds, Arizona Agribusiness and Equine Center Charter School, Series 2011, 7.875%, 3/01/42	3/21 at 100.00	BB+	819,926
10,385	Total Education and Civic Organizations			9,774,607
	Health Care – 21.9% (15.4% of Total Investments)			
1,430	Arizona Health Facilities Authority, Hospital Revenue Bonds, Banner Health Systems, Series 2007A, 5.000%, 1/01/25	1/17 at 100.00	A+	1,434,776
885	Arizona Health Facilities Authority, Hospital Revenue Bonds, Banner Health Systems, Series 2007B, 1.013%, 1/02/37	1/17 at 100.00	A+	608,747
3,470	Arizona Health Facilities Authority, Hospital Revenue Bonds, Banner Health Systems, Series	1/18 at 100.00	A+	3,465,003

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	2008D, 5.500%, 1/01/38			
675	Glendale Industrial Development Authority, Arizona, Revenue Bonds, John C. Lincoln Health Network, Series 2005B, 5.000%, 12/01/37	12/15 at 100.00	BBB	562,633
1,110	Glendale Industrial Development Authority, Arizona, Revenue Bonds, John C. Lincoln Health Network, Series 2007, 5.000%, 12/01/42	12/17 at 100.00	BBB	903,107
2,150	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	2,195,752
2,900	Maricopa County Industrial Development Authority, Arizona, Health Facility Revenue Bonds, Catholic Healthcare West, Series 2007A, 5.250%, 7/01/32	7/17 at 100.00	A	2,792,526
515	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	11/11 at 100.00	AA+	522,138
	Show Low Industrial Development Authority, Arizona, Hospital Revenue Bonds, Navapache Regional Medical Center, Series 2005:			
525	5.000%, 12/01/25 – RAAI Insured	12/15 at 100.00	BBB	482,837
435	5.000%, 12/01/30 – RAAI Insured	12/15 at 100.00	BBB	382,665
14,095	Total Health Care Housing/Single Family – 0.9% (0.6% of Total Investments)			13,350,184
545	Phoenix and Pima County Industrial Development Authority, Arizona, Single Family Mortgage Revenue Bonds, Series 2007-4, 5.800%, 12/01/39 (Alternative Minimum Tax)	7/17 at 103.00	Aaa	547,899
1,265	Tax Obligation/General – 11.7% (8.2% of Total Investments) 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	1,357,965
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	Aa3	1,240,044
515	Pima County Continental Elementary School District 39, Arizona, General Obligation Bonds, Series 2011A, 2.000%, 7/01/30 – AGM Insured	7/21 at 100.00	AA+	532,016
3,530	Pinal County Unified School District 1, Florence, Arizona, General Obligation Bonds, Series 2008C, 5.250%, 7/01/28	7/18 at 100.00	A	3,683,484
330	Puerto Rico, General Obligation and Public Improvement Bonds, Series 2002A, 5.375%, 7/01/28	7/11 at 100.00	A3	326,891
6,840	Total Tax Obligation/General Tax Obligation/Limited – 39.2% (27.5% of Total Investments)			7,140,400
327	Estrella Mountain Ranch Community Facilities District, Goodyear, Arizona, Special Assessment Lien Bonds, Series 2001A, 7.875%, 7/01/25	7/12 at 100.00	N/R	329,982

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3,000	Glendale Western Loop 101 Public Facilities Corporation, Arizona, Third Lien Excise Tax Revenue Bonds, Series 2008B, 6.250%, 7/01/38	1/14 at 100.00	AA	3,092,970
1,280	Greater Arizona Development Authority, Infrastructure Revenue Bonds, Series 2006-1, 5.000%, 8/01/22 – NPFG Insured	8/16 at 100.00	AA–	1,329,037
740	Greater Arizona Development Authority, Infrastructure Revenue Bonds, Series 2006A, 5.000%, 8/01/23 – NPFG Insured	8/16 at 100.00	AA–	764,176
1,500	Marana Municipal Property Corporation, Arizona, Municipal Facilities Revenue Bonds, Series 2008B, 5.125%, 7/01/28	7/11 at 100.00	AA	1,500,600
575	Marana Municipal Property Corporation, Arizona, Revenue Bonds, Series 2003, 5.000%, 7/01/28 – AMBAC Insured	7/13 at 100.00	AA	583,780
1,426	Marana, Arizona, Tangerine Farms Road Improvement District Revenue Bonds, Series 2006, 4.600%, 1/01/26	7/16 at 100.00	A2	1,415,776
3,400	Maricopa County Stadium District, Arizona, Revenue Refunding Bonds, Series 2002, 5.375%, 6/01/18 – AMBAC Insured	6/12 at 100.00	N/R	3,190,322
3,400	Mesa, Arizona, Street and Highway User Tax Revenue Bonds, Series 2005, 5.000%, 7/01/24 – AGM Insured	7/15 at 100.00	AA+	3,535,252
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	1,150,796
1,200	Prescott Valley Municipal Property Corporation, Arizona, Municipal Facilities Revenue Bonds, Series 2003, 5.000%, 1/01/27 – FGIC Insured	1/13 at 100.00	AA–	1,213,872
265	Puerto Rico Public Buildings Authority, Guaranteed Government Facilities Revenue Refunding Bonds, Series 2002D, 5.125%, 7/01/24	7/12 at 100.00	A3	260,773
1,610	San Luis Civic Improvement Corporation, Arizona, Municipal Facilities Excise Tax Revenue Bonds, Series 2005, 5.000%, 7/01/25 – SYNCORA GTY Insured	7/15 at 100.00	A+	1,635,760
1,000	Scottsdale Municipal Property Corporation, Arizona, Excise Tax Revenue Bonds, Refunding Series 2006, 5.000%, 7/01/24	No Opt. Call	AAA	1,173,600
2,000	Scottsdale Municipal Property Corporation, Arizona, Excise Tax Revenue Bonds, Water & Sewer Improvements Project, Series 2010, 5.000%, 7/01/36	No Opt. Call	AAA	2,074,560
645	Vistancia Community Facilities District, Arizona, Restricted General Obligation Bonds, Series 2005, 5.750%, 7/15/24	7/15 at 100.00	A1	675,238
23,508	Total Tax Obligation/Limited U.S. Guaranteed – 6.0% (4.2% of Total Investments) (5)			23,926,494
1,250	Maricopa County Industrial Development Authority, Arizona, Hospital Revenue Refunding Bonds, Samaritan Health Services, Series 1990A, 7.000%, 12/01/16 – NPFG Insured (ETM)	No Opt. Call	N/R (5)	1,503,600

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385	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)	441,437
735	Puerto Rico Public Buildings Authority, Guaranteed Government Facilities Revenue Refunding Bonds, Series 2002D, 5.125%, 7/01/24 (Pre-refunded 7/01/12)	7/12 at 100.00	A3 (5)	773,036
530	Salt River Project Agricultural Improvement and Power District, Arizona, Electric System Revenue Bonds, Series 2002B, 5.000%, 1/01/22 (Pre-refunded 1/01/13)	1/13 at 100.00	Aa1 (5)	568,393
340	Salt River Project Agricultural Improvement and Power District, Arizona, Electric System Revenue Refunding Bonds, Series 2002A, 5.125%, 1/01/27 (Pre-refunded 1/01/12)	1/12 at 101.00	N/R (5)	353,185
3,240	Total U.S. Guaranteed Utilities – 24.8% (17.4% of Total Investments)			3,639,651
1,000	Arizona Power Authority, Special Obligation Power Resource Revenue Refunding Crossover Bonds, Hoover Project, Series 2001, 5.250%, 10/01/15	No Opt. Call	AA	1,154,240
1,600	Maricopa County Pollution Control Corporation, Arizona, Pollution Control Revenue Refunding Bonds, Southern California Edison Company, Series 2000A, 5.000%, 6/01/35	6/20 at 100.00	A1	1,594,464
1,340	Pima County Industrial Development Authority, Arizona, Revenue Bonds, Tucson Electric Power Company, Refunding Series 2008, 5.750%, 9/01/29	1/15 at 100.00	BBB–	1,348,831
2,170	Puerto Rico Electric Power Authority, Power Revenue Bonds, Series 2005RR, 5.000%, 7/01/27 – SYNCORA GTY Insured	7/15 at 100.00	A3	2,095,482
715	Salt River Project Agricultural Improvement and Power District, Arizona, Electric System Revenue Bonds, Tender Option Bond Trust 09-9W, 17.211%, 1/01/38 (IF) (6)	1/18 at 100.00	Aa1	794,765
660	Salt River Project Agricultural Improvement and Power District, Arizona, Electric System Revenue Refunding Bonds, Series 2002A, 5.125%, 1/01/27	1/12 at 101.00	Aa1	671,266
4,500	Salt Verde Financial Corporation, Arizona, Senior Gas Revenue Bonds, Citigroup Energy Inc Prepay Contract Obligations, Series 2007: 5.500%, 12/01/29	No Opt. Call	A	4,382,912
3,500	5.000%, 12/01/37	No Opt. Call	A	3,093,230
15,485	Total Utilities Water and Sewer – 20.8% (14.6% of Total Investments)			15,135,190
1,005	Cottonwood, Arizona, Senior Lien Water System Revenue Bonds, Municipal Property Corporation, Series 2004, 5.000%, 7/01/24 – SYNCORA GTY Insured	7/14 at 100.00	A	1,005,241
3,500	Glendale, Arizona, Water and Sewer Revenue Bonds, Subordinate Lien, Series 2003, 5.000%, 7/01/28 – AMBAC Insured	7/13 at 100.00	AA	3,570,665

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1,425	Goodyear, Arizona, Water and Sewer Revenue Obligations, Series 2010, 5.625%, 7/01/39	7/20 at 100.00	A+	1,399,279
600	Oro Valley Municipal Property Corporation, Arizona, Senior Lien Water Revenue Bonds, Series 2003, 5.000%, 7/01/23 – NPMFG Insured	7/13 at 100.00	AA-	613,908
1,000	Phoenix Civic Improvement Corporation, Arizona, Junior Lien Wastewater System Revenue Bonds, Series 2004, 5.000%, 7/01/24 – NPMFG Insured	7/14 at 100.00	AA+	1,049,900
1,500	Phoenix Civic Improvement Corporation, Arizona, Junior Lien Water System Revenue Bonds, Series 2002, 5.000%, 7/01/26 – FGIC Insured	7/12 at 100.00	AAA	1,527,525
1,250	Phoenix Civic Improvement Corporation, Arizona, Junior Lien Water System Revenue Refunding Bonds, Series 2001, 5.500%, 7/01/21 – FGIC Insured	No Opt. Call	AAA	1,520,138
600	Surprise Municipal Property Corporation, Arizona, Wastewater System Revenue Bonds, Series 2007: 4.700%, 4/01/22	4/14 at 100.00	N/R	606,480
695	4.900%, 4/01/32	4/17 at 100.00	N/R	635,404
905	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	791,712
12,480	Total Water and Sewer			12,720,252
\$ 87,328	Total Investments (cost \$84,330,304) – 142.4%			86,898,682
	Other Assets Less Liabilities – 3.3%			1,986,089
	Auction Rate Preferred Shares, at Liquidation Value – (45.7)% (7)			(27,875,000)
				\$
	Net Assets Applicable to Common Shares – 100%			61,009,771

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 of 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 three-tier hierarchy of inputs is summarized in the three broad levels listed below:

Level 1 – Quoted prices in active markets for identical securities.

Level 2 – Other significant observable inputs (including quoted prices for similar securities, interest rates, prepayment speeds, credit risk, etc.).

Level 3 – 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 May 31, 2011:

	Level 1	Level 2	Level 3	Total
Investments:				
Municipal Bonds	\$ —	\$84,831,807	\$2,066,875	\$86,898,682

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

	Level 3 Municipal Bonds
Balance at the beginning of period	\$1,867,750
Gains (losses):	
Net realized gains (losses)	—
Net change in unrealized appreciation (depreciation)	199,125
Purchases at cost	—
Sales at proceeds	—
Net discounts (premiums)	—



Transfers in to	—
Transfers out of	—
Balance at the end of period	\$2,066,875

During the period ended May 31, 2011, the Fund recognized no significant transfers to/from Level 1, Level 2 or Level 3.

#### Income Tax Information

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

At May 31, 2011, the cost of investments was \$86,477,973.

Gross unrealized appreciation and gross unrealized depreciation of investments at May 31, 2011, were as follows:

Gross unrealized:	
Appreciation	\$ 4,252,531
Depreciation	(3,831,822)
Net unrealized appreciation (depreciation) of investments	\$ 420,709

- All percentages shown in the Portfolio of Investments are based on net assets applicable to Common shares unless otherwise noted.
- Optional Call Provisions: Dates (month and year) and prices of the earliest optional call or redemption.
- (1) There may be other call provisions at varying prices at later dates. Certain mortgage-backed securities may be subject to periodic principal paydowns.
  - (2) Ratings: Using the highest of Standard & Poor's Group ("Standard & Poor's"), Moody's Investor 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.
  - (3) Investment valued at fair value using methods determined in good faith by, or at the discretion of, the Board of Directors. For fair value measurement disclosure purposes, investment categorized as Level 3. Backed by an escrow or trust containing sufficient U.S. Government or U.S. Government agency securities,
  - (4) which ensure the timely payment of principal and interest. Such investments are normally considered to be equivalent to AAA rated securities.

- (6) Investment, or portion of investment, has been pledged to collateralize the net payment obligations for investments in inverse floating rate transactions.
  - (7) Auction Rate Preferred Shares, at Liquidation Value as a percentage of Total Investments is 32.1%.
  - N/R Not rated.
  - (ETM) Escrowed to maturity.
  - (IF) Inverse floating rate investment.
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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, Inc.

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

Date July 29, 2011

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 29, 2011

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

Date July 29, 2011