

NUVEEN CALIFORNIA DIVIDEND ADVANTAGE MUNICIPAL FUND
Form N-Q
July 30, 2010

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 811-09161

Nuveen California Dividend Advantage 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: 5/31/10

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 California Dividend Advantage Municipal Fund (NAC)

May 31, 2010

Principal

Amount (000) Description (1)

| | | | |
|--------|---|--|----|
| | Consumer Staples – 6.6% (4.4% of Total Investments) | | |
| \$ 910 | California County Tobacco Securitization Agency, Tobacco Settlement Asset-Backed Bonds, Sonoma County Tobacco Securitization Corporation, Series 2005, 4.250%, 6/01/21 | | 6 |
| 7,500 | Golden State Tobacco Securitization Corporation, California, Tobacco Settlement Asset-Backed Bonds, Series 2007A-1, 5.750%, 6/01/47 | | 6 |
| 24,265 | Golden State Tobacco Securitization Corporation, California, Tobacco Settlement Asset-Backed Bonds, Series 2007A-2, 0.000%, 6/01/37 | | 6 |
| 32,675 | Total Consumer Staples | | |
| | Education and Civic Organizations – 7.0% (4.7% of Total Investments) | | |
| 290 | California Educational Facilities Authority, Revenue Bonds, University of Redlands, Series 2005A, 5.000%, 10/01/35 | | 10 |
| 10,000 | California Educational Facilities Authority, Revenue Bonds, University of Southern California, Series 2007A, 4.500%, 10/01/33 (UB) | | 10 |
| 200 | California Educational Facilities Authority, Revenue Bonds, University of the Pacific, Series 2006: 5.000%, 11/01/21 | | 11 |
| 265 | 5.000%, 11/01/25 | | 11 |
| 4,685 | California State Public Works Board, Lease Revenue Bonds, University of California Regents, Trust 1065, 9.041%, 3/01/33 (IF) | | 3 |
| 615 | California Statewide Community Development Authority, Revenue Bonds, Notre Dame de Namur University, Series 2003, 6.500%, 10/01/23 | | 10 |
| 3,000 | Long Beach Bond Financing Authority, California, Lease Revenue Refunding Bonds, Long Beach Aquarium of the South Pacific, Series 2001, 5.500%, 11/01/17 – AMBAC Insured | | 11 |
| 3,500 | University of California, Revenue Bonds, Multi-Purpose Projects, Series 2003A, 5.125%, 5/15/17 – AMBAC Insured (UB) | | 5 |
| 22,555 | Total Education and Civic Organizations | | |
| | Health Care – 27.1% (18.1% of Total Investments) | | |
| 2,160 | California Health Facilities Financing Authority, Health Facility Revenue Bonds, Adventist Health System/West, Series 2003A, 5.000%, 3/01/15 | | 3 |
| 660 | California Health Facilities Financing Authority, Revenue Bonds, Kaiser Permanente System, Series 2006, 5.000%, 4/01/37 | | 4 |
| 10,000 | California Health Facilities Financing Authority, Revenue Bonds, Sutter Health, Series 2007A, 5.000%, 11/15/42 – NPFG Insured | | 11 |
| 14,895 | California Health Facilities Financing Authority, Revenue Bonds, Sutter Health, Series 2007A, | | 11 |

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| | | |
|--------|---|----|
| | 5.250%, 11/15/46 (UB) | |
| 1,120 | California Statewide Communities Development Authority, Revenue Bonds, Adventist Health System West, Series 2005A, 5.000%, 3/01/35 | 3 |
| 1,586 | California Statewide Communities Development Authority, Revenue Bonds, Saint Joseph Health System, Trust 2554, 18.449%, 7/01/47 – AGM Insured (IF) | 7 |
| | California Statewide Communities Development Authority, Revenue Bonds, ValleyCare Health System, Series 2007A: | |
| 900 | 4.800%, 7/15/17 | |
| 3,325 | 5.125%, 7/15/31 | 7 |
| 19,420 | California Statewide Community Development Authority, Revenue Bonds, Kaiser Permanente System, Series 2006, 5.000%, 3/01/41 | 3 |
| 3,095 | California Statewide Community Development Authority, Revenue Bonds, Kaiser Permanente System, Series 2001C, 5.250%, 8/01/31 | 8 |
| 9,980 | California Statewide Community Development Authority, Revenue Bonds, Kaiser Permanente System, Series 2006, 5.000%, 3/01/41 – BHAC Insured (UB) | 3 |
| 2,250 | California Statewide Community Development Authority, Revenue Bonds, Methodist Hospital Project, Series 2009, 6.750%, 2/01/38 | 8 |
| 10,500 | Duarte, California, Certificates of Participation, City of Hope National Medical Center, Series 1999A, 5.250%, 4/01/31 | 10 |
| 1,000 | Loma Linda, California, Hospital Revenue Bonds, Loma Linda University Medical Center, Series 2005A, 5.000%, 12/01/23 | 12 |
| 2,860 | Loma Linda, California, Hospital Revenue Bonds, Loma Linda University Medical Center, Series 2008A, 8.250%, 12/01/38 | 2 |
| 1,000 | Madera County, California, Certificates of Participation, Children’s Hospital Central California, Series 2010, 5.375%, 3/15/36 | 3 |
| 675 | Oak Valley Hospital District, Stanislaus County, California, Revenue Bonds, Series 2010A, 6.500%, 11/01/29 | 11 |
| 2,570 | Rancho Mirage Joint Powers Financing Authority, California, Revenue Bonds, Eisenhower Medical Center, Series 2007A, 5.000%, 7/01/38 | 7 |
| 3,000 | Santa Clara County Financing Authority, California, Insured Revenue Bonds, El Camino Hospital, Series 2007A, 5.750%, 2/01/41 – AMBAC Insured | 8 |
| 90,996 | Total Health Care Housing/Multifamily – 2.3% (1.6% of Total Investments) | |
| 4,895 | Contra Costa County, California, Multifamily Housing Revenue Bonds, Delta View Apartments Project, Series 1999C, 6.750%, 12/01/30 (Alternative Minimum Tax) | 6 |
| 320 | Independent Cities Lease Finance Authority, California, Mobile Home Park Revenue Bonds, San Juan Mobile Estates, Series 2006B, 5.850%, 5/15/41 | 5 |
| 1,725 | Rohnert Park Finance Authority, California, Senior Lien Revenue Bonds, Rancho Feliz Mobile Home Park, Series 2003A, 5.750%, 9/15/38 | 9 |
| 1,120 | Rohnert Park Finance Authority, California, Subordinate Lien Revenue Bonds, Rancho Feliz Mobile Home Park, Series 2003B, 6.625%, 9/15/38 | 9 |

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| | | |
|---------|---|----|
| 8,060 | Total Housing/Multifamily | |
| | Housing/Single Family – 0.6% (0.4% of Total Investments) | |
| 1,670 | California Housing Finance Agency, California, Home Mortgage Revenue Bonds, Series 2008, Trust 3137, 15.007%, 8/01/37 (Alternative Minimum Tax) (IF) | 2 |
| 530 | California Housing Finance Agency, Home Mortgage Revenue Bonds, Series 2006H, 5.750%, 8/01/30 – FGIC Insured (Alternative Minimum Tax) | 2 |
| 2,200 | Total Housing/Single Family | |
| | Industrials – 1.6% (1.0% of Total Investments) | |
| 2,000 | California Pollution Control Financing Authority, Solid Waste Disposal Revenue Bonds, Waste Management Inc., Series 2002A, 5.000%, 1/01/22 (Alternative Minimum Tax) | 1 |
| 5,120 | California Statewide Communities Development Authority, Revenue Bonds, EnerTech Regional Biosolids Project, Series 2007A, 5.500%, 12/01/33 (Alternative Minimum Tax) | |
| 7,120 | Total Industrials | |
| | Long-Term Care – 2.5% (1.7% of Total Investments) | |
| 1,000 | California Municipal Finance Authority, Revenue Bonds, Harbor Regional Center Project, Series 2009, 8.000%, 11/01/29 | 11 |
| 8,500 | Riverside County Public Financing Authority, California, Certificates of Participation, Air Force Village West, Series 1999, 5.800%, 5/15/29 | 11 |
| 9,500 | Total Long-Term Care | |
| | Tax Obligation/General – 19.7% (13.2% of Total Investments) | |
| 8,000 | California State, General Obligation Bonds, Various Purpose Series 2010, 5.500%, 3/01/40 | 3 |
| 10,000 | California, General Obligation Bonds, Various Purpose Series 2009, 6.000%, 11/01/39 | 11 |
| 4,435 | California, General Obligation Refunding Bonds, Series 2002, 6.000%, 4/01/16 – AMBAC Insured | |
| 38,365 | Chabot-Las Positas Community College District, California, General Obligation Bonds, Series 2006C, 0.000%, 8/01/41 – AMBAC Insured | |
| 3,425 | Coast Community College District, Orange County, California, General Obligation Bonds, Series 2006C, 0.000%, 8/01/31 – AGM Insured | 8 |
| 5,150 | Hacienda La Puente Unified School District Facilities Financing Authority, California, General Obligation Revenue Bonds, Series 2007, 5.000%, 8/01/26 – AGM Insured | |
| 5,210 | Oak Valley Hospital District, Stanislaus County, California, General Obligation Bonds, Series 2005, 5.000%, 7/01/35 – FGIC Insured | 7 |
| 575 | Roseville Joint Union High School District, Placer County, California, General Obligation Bonds, Series 2006B, 5.000%, 8/01/27 – FGIC Insured | 8 |
| 5,000 | San Diego Unified School District, San Diego County, California, General Obligation Bonds, Series 2003E, 5.250%, 7/01/20 – AGM Insured | 7 |
| 3,605 | West Contra Costa Unified School District, Contra Costa County, California, General Obligation Bonds, Series 2003B, 5.000%, 8/01/21 – AGM Insured | 8 |
| 50,070 | Yosemite Community College District, California, General Obligation Bonds, Capital Appreciation, Election 2004, Series 2010D, 0.000%, 8/01/42 (WI/DD, Settling 6/02/10) | |
| 133,835 | Total Tax Obligation/General | |
| | Tax Obligation/Limited – 33.2% (22.2% of Total Investments) | |

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| | Beaumont Financing Authority, California, Local Agency Revenue Bonds, Series 2004D: | |
| 1,000 | 5.500%, 9/01/24 | 9 |
| 615 | 5.800%, 9/01/35 | 9 |
| 1,990 | Borrego Water District, California, Community Facilities District 2007-1 Montesoro, Special Tax Bonds, Series 2007, 5.750%, 8/01/25 | 8 |
| 1,990 | Brentwood Infrastructure Financing Authority, California, Infrastructure Revenue Refunding Bonds, Series 2002A, 5.125%, 9/02/24 – AGM Insured | 9 |
| | Brentwood Infrastructure Financing Authority, Contra Costa County, California, Capital Improvement Revenue Bonds, Series 2001: | |
| 1,110 | 5.375%, 11/01/18 – AGM Insured | 11 |
| 1,165 | 5.375%, 11/01/19 – AGM Insured | 11 |
| 1,000 | California State Public Works Board, Lease Revenue Bonds, Various Capital Projects, Series 2009G-1, 5.750%, 10/01/30 | 10 |
| 2,000 | California State Public Works Board, Lease Revenue Bonds, Various Capital Projects, Series 2009I-1, 6.375%, 11/01/34 | 11 |
| 2,000 | Capistrano Unified School District, Orange County, California, Special Tax Bonds, Community Facilities District 90-2 – Talega, Series 2003, 6.000%, 9/01/33 | 9 |
| 710 | Capistrano Unified School District, Orange County, California, Special Tax Bonds, Community Facilities District, Series 2005, 5.000%, 9/01/24 – FGIC Insured | 9 |
| 1,225 | Chino Redevelopment Agency, California, Merged Chino Redevelopment Project Area Tax Allocation Bonds, Series 2006, 5.000%, 9/01/38 – AMBAC Insured | 9 |
| 3,490 | Fontana, California, Senior Special Tax Refunding Bonds, Heritage Village Community Facilities District 2, Series 1998A, 5.250%, 9/01/17 – NPFG Insured | 9 |
| 1,125 | Fontana, California, Special Tax Bonds, Sierra Community Facilities District 22, Series 2004, 6.000%, 9/01/34 | 9 |
| 3,980 | Garden Grove, California, Certificates of Participation, Financing Project, Series 2002A, 5.500%, 3/01/22 – AMBAC Insured | 3 |
| 31,090 | Golden State Tobacco Securitization Corporation, California, Enhanced Tobacco Settlement Asset-Backed Revenue Bonds, Series 2005A, 5.000%, 6/01/35 – FGIC Insured | 6 |
| 2,850 | Hesperia Community Redevelopment Agency, California, Tax Allocation Bonds, Series 2005A, 5.000%, 9/01/35 – SYNCORA GTY Insured | 9 |
| 4,500 | Inglewood Redevelopment Agency, California, Tax Allocation Refunding Bonds, Merged Area Redevelopment Project, Series 1998A, 5.250%, 5/01/23 – AMBAC Insured | |
| | Irvine, California, Unified School District, Community Facilities District Special Tax Bonds, Series 2006A: | |
| 325 | 5.000%, 9/01/26 | 9 |
| 755 | 5.125%, 9/01/36 | 9 |
| 675 | Lammersville School District, San Joaquin County, California, Community Facilities District 2002, Mountain House Special Tax Bonds, Series 2006, 5.125%, 9/01/35 | 9 |
| 2,000 | Lee Lake Water District, Riverside County, California, Special Tax Bonds, Community Facilities District 1 of Sycamore Creek, Series 2003, 6.500%, 9/01/24 | 9 |

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- 1,000 Lindsay Redevelopment Agency, California, Project 1 Tax Allocation Bonds, Series 2007, 5.000%, 8/01/37 – RAAI Insured 8
- 1,290 Los Angeles Community Redevelopment Agency, California, Lease Revenue Bonds, Manchester Social Services Project, Series 2005, 5.000%, 9/01/37 – AMBAC Insured 9
- 1,530 Moreno Valley Unified School District, Riverside County, California, Certificates of Participation, Series 2005, 5.000%, 3/01/24 – AGM Insured 3
- 3,500 Murrieta Redevelopment Agency, California, Tax Allocation Bonds, Series 2007A, 5.000%, 8/01/37 – NPFPG Insured 8
- 9,200 Norco Redevelopment Agency, California, Tax Allocation Refunding Bonds, Project Area 1, Series 2001, 5.000%, 3/01/19 – NPFPG Insured 3
- North Natomas Community Facilities District 4, Sacramento, California, Special Tax Bonds, Series 2006D:
- 545 5.000%, 9/01/26 9
- 250 5.000%, 9/01/33 9
- 3,290 Oakland Redevelopment Agency, California, Subordinate Lien Tax Allocation Bonds, Central District Redevelopment Project, Series 2003, 5.500%, 9/01/16 – FGIC Insured 3
- 5,600 Palm Springs Financing Authority, California, Lease Revenue Refunding Bonds, Convention Center Project, Series 2001A, 5.000%, 11/01/22 – NPFPG Insured 11
- 1,000 Palmdale Community Redevelopment Agency, California, Tax Allocation Bonds, Merged Redevelopment Project Areas, Series 2004, 5.000%, 12/01/24 – AMBAC Insured 12
- 1,570 Poway Redevelopment Agency, California, Tax Allocation Refunding Bonds, Paguay Redevelopment Project, Series 2000, 5.750%, 6/15/33 – NPFPG Insured 12
- 620 Rialto Redevelopment Agency, California, Tax Allocation Bonds, Merged Project Area, Series 2005A, 5.000%, 9/01/35 – SYNCORA GTY Insured 9
- 1,860 Riverside Redevelopment Agency, California, Tax Allocation Refunding Bonds, Merged Project Areas, Series 2003, 5.250%, 8/01/22 – NPFPG Insured 8
- 770 Roseville, California, Certificates of Participation, Public Facilities, Series 2003A, 5.000%, 8/01/25 – AMBAC Insured 8
- 2,500 Sacramento City Financing Authority, California, Lease Revenue Refunding Bonds, Series 1993A, 5.400%, 11/01/20 – AMBAC Insured
- 1,150 Sacramento, California, Special Tax Bonds, North Natomas Community Facilities District 4, Series 2003C, 6.000%, 9/01/33 9
- 2,695 San Jose Financing Authority, California, Lease Revenue Refunding Bonds, Civic Center Project, Series 2002B, 5.250%, 6/01/19 – AMBAC Insured 6
- 1,000 San Jose Redevelopment Agency, California, Housing Set-Aside Tax Allocation Bonds, Merged Area Redevelopment Project, Series 2010A-1, 5.500%, 8/01/35 8
- 1,000 Washington Unified School District, Yolo County, California, Certificates of Participation, Series 2007, 5.125%, 8/01/37 – AMBAC Insured 8
- 600 West Patterson Financing Authority, California, Special Tax Bonds, Community Facilities District 01-1, Refunding Series 2009A, 8.625%, 9/01/39 9
- 2,810 West Patterson Financing Authority, California, Special Tax Bonds, Community Facilities 9

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| | District 01-1, Series 2003B, 7.000%, 9/01/38 | |
| 2,000 | West Patterson Financing Authority, California, Special Tax Bonds, Community Facilities District 01-1, Series 2004B, 6.000%, 9/01/39 | 9 |
| 1,350 | West Patterson Financing Authority, California, Special Tax Bonds, Community Facilities District 2001-1, Series 2004A, 6.125%, 9/01/39 | 9 |
| 112,725 | Total Tax Obligation/Limited Transportation – 13.6% (9.1% of Total Investments) | |
| 1,430 | Bay Area Toll Authority, California, Revenue Bonds, San Francisco Bay Area Toll Bridge, Series 2006F, 5.000%, 4/01/31 (UB) | 4 |
| 830 | Bay Area Toll Authority, California, Revenue Bonds, San Francisco Bay Area Toll Bridge, Series 2008, Trust 3211, 13.261%, 4/01/39 (IF) | 4 |
| 11,150 | Foothill/Eastern Transportation Corridor Agency, California, Toll Road Revenue Refunding Bonds, Series 1999, 5.750%, 1/15/40 | 7 |
| 8,515 | Los Angeles Harbors Department, California, Revenue Refunding Bonds, Series 2001B, 5.500%, 8/01/18 – AMBAC Insured (Alternative Minimum Tax) | 8 |
| 120 | Palm Springs Financing Authority, California, Palm Springs International Airport Revenue Bonds, Series 2006, 5.450%, 7/01/20 (Alternative Minimum Tax) | 7 |
| 22,825 | Port of Oakland, California, Revenue Bonds, Series 2000K, 5.750%, 11/01/29 – FGIC Insured | 11 |
| 44,870 | Total Transportation U.S. Guaranteed – 20.6% (13.8% of Total Investments) (4) | |
| 9,750 | California Department of Water Resources, Power Supply Revenue Bonds, Series 2002A, 5.125%, 5/01/18 (Pre-refunded 5/01/12) | 5 |
| 115 | California Department of Water Resources, Water System Revenue Bonds, Central Valley Project, Series 2001W, 5.250%, 12/01/22 (Pre-refunded 12/01/11) – AGM Insured | 12 |
| 715 | California Statewide Community Development Authority, Revenue Bonds, Thomas Jefferson School of Law, Series 2005A, 4.875%, 10/01/31 (Pre-refunded 10/01/15) | 10 |
| 3,840 | Golden State Tobacco Securitization Corporation, California, Tobacco Settlement Asset-Backed Bonds, Series 2003A-1, 6.250%, 6/01/33 (Pre-refunded 6/01/13) | 6 |
| 1,940 | Lincoln, California, Special Tax Bonds, Lincoln Crossing Community Facilities District 03-1, Series 2003A, 6.500%, 9/01/25 (Pre-refunded 9/01/13) | 9 |
| 1,335 | Lincoln, California, Special Tax Bonds, Lincoln Crossing Community Facilities District 03-1, Series 2004, 6.000%, 9/01/34 (Pre-refunded 9/01/13) | 9 |
| 10,845 | Los Angeles Unified School District, California, General Obligation Bonds, Series 2002E, 5.000%, 7/01/19 (Pre-refunded 7/01/12) – NPFQ Insured Northern California Tobacco Securitization Authority, Tobacco Settlement Asset-Backed Bonds, Series 2001A: | 7 |
| 2,500 | 5.250%, 6/01/31 (Pre-refunded 6/01/11) | 6 |
| 4,500 | 5.375%, 6/01/41 (Pre-refunded 6/01/11) | 6 |
| 5,840 | Orange County Water District, California, Revenue Certificates of Participation, Series 1999A, 5.375%, 8/15/29 (ETM) | 8 |
| 6,530 | Poway Redevelopment Agency, California, Tax Allocation Refunding Bonds, Paguay Redevelopment | 12 |

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| | Project, Series 2000, 5.750%, 6/15/33 (Pre-refunded 12/15/10) – NPMG Insured | |
| 4,000 | Puerto Rico, General Obligation and Public Improvement Bonds, Series 2000, 5.750%, 7/01/16 (Pre-refunded 7/01/10) – NPMG Insured | 7 |
| 2,860 | Tobacco Securitization Authority of Southern California, Tobacco Settlement Asset-Backed Bonds, San Diego County Tobacco Asset Securitization Corporation, Senior Series 2001A, 5.250%, 6/01/27 (Pre-refunded 6/01/12) | 6 |
| 6,305 | University of California, Revenue Bonds, Multi-Purpose Projects, Series 2002O, 5.000%, 9/01/21 (Pre-refunded 9/01/10) – FGIC Insured | 9 |
| 2,500 | Whittier, California, Health Facility Revenue Bonds, Presbyterian Intercommunity Hospital, Series 2002, 5.600%, 6/01/22 (Pre-refunded 6/01/12) | 6 |
| 63,575 | Total U.S. Guaranteed Utilities – 4.3% (2.9% of Total Investments) | |
| 3,630 | Imperial Irrigation District, California, Certificates of Participation, Electric System Revenue Bonds, Series 2003, 5.250%, 11/01/23 – AGM Insured | 11 |
| 3,775 | Long Beach Bond Finance Authority, California, Natural Gas Purchase Revenue Bonds, Series 2007A, 5.000%, 11/15/35 | |
| 5,500 | Los Angeles Department of Water and Power, California, Power System Revenue Bonds, Series 2005A-1, 5.000%, 7/01/31 – AGM Insured (UB) | 7 |
| 1,270 | Merced Irrigation District, California, Electric System Revenue Bonds, Series 2005, 5.125%, 9/01/31 – SYNCORA GTY Insured | 9 |
| 14,175 | Total Utilities Water and Sewer – 10.3% (6.9% of Total Investments) | |
| 875 | Healdsburg Public Financing Authority, California, Wastewater Revenue Bonds, Series 2006, 5.000%, 4/01/36 – NPMG Insured | 4 |
| 2,500 | Indio Water Authority, California, Water Revenue Bonds, Series 2006, 5.000%, 4/01/31 – AMBAC Insured | 4 |
| 835 | Marina Coast Water District, California, Enterprise Certificate of Participation, Series 2006, 5.000%, 6/01/31 – NPMG Insured | 6 |
| 8,250 | Pico Rivera Water Authority, California, Revenue Bonds, Series 2001A, 6.250%, 12/01/32 | 12 |
| 2,250 | Sacramento County Sanitation District Financing Authority, California, Revenue Bonds, Series 2006, 5.000%, 12/01/31 – FGIC Insured | 6 |
| 11,000 | San Diego Public Facilities Financing Authority, California, Sewerage Revenue Bonds, Refunding Series 2010A, 5.250%, 5/15/26 | 5 |
| 5,115 | San Francisco City and County Public Utilities Commission, California, Water Revenue Bonds, Series 2002A, 5.000%, 11/01/18 – NPMG Insured | 11 |
| 2,000 | West Basin Municipal Water District, California, Certificates of Participation, Refunding Series 2008B, 5.000%, 8/01/28 – AGC Insured | 8 |
| 32,825 | Total Water and Sewer | |
| \$ 575,111 | Total Investments (cost \$492,835,157) – 149.4% | |
| | Floating Rate Obligations – (8.6)% | |
| | Other Assets Less Liabilities – 0.0% | |

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Auciton Rate Preferred Shares, at Liquidation Value – (40.8)% (5)

Net Assets Applicable to Common Shares – 100%

Fair Value Measurements

In determining the value of the Fund’s investments, various inputs are used. These inputs are 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, 2010:

| | Level 1 | Level 2 | Level 3 | Total |
|-----------------|---------|---------------|---------|---------------|
| Investments: | | | | |
| Municipal Bonds | \$ — | \$496,226,319 | \$ — | \$496,226,319 |

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, 2010, the cost of investments was \$464,062,717.

Gross unrealized appreciation and gross unrealized depreciation of investments at May 31, 2010, were as follows:

| | |
|---|---------------|
| Gross unrealized: | |
| Appreciation | \$ 19,721,828 |
| Depreciation | (16,100,933) |
| Net unrealized appreciation (depreciation) of investments | \$ 3,620,895 |

- (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 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.
- (4) Backed by an escrow or trust containing sufficient U.S. Government or U.S. Government agency securities, which ensure the timely payment of principal and interest. Such investments are normally considered to be equivalent to AAA rated securities.
- (5) Auction Rate Preferred Shares, at Liquidation Value as a percentage of Total Investments is 27.3%.

N/R Not rated.

WI/DD Purchased on a when-issued or delayed delivery basis.

(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 California Dividend Advantage Municipal Fund

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

Date July 30, 2010

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

By (Signature and Title) /s/ Gifford R. Zimmerman
Gifford R. Zimmerman
Chief Administrative Officer (principal executive officer)

Date July 30, 2010

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

Date July 30, 2010