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BLACKROCK MUNIVEST FUND II INC

Form N-Q

March 28, 2008

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM N-Q

QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED
MANAGEMENT INVESTMENT COMPANY

Investment Company Act file number 811-07478

Name of Fund: BlackRock MuniVest Fund II, Inc. (MVT)

Fund Address: 100 Bellevue Parkway, Wilmington, DE 19809

Name and address of agent for service: Donald C. Burke, Chief Executive
Officer, BlackRock MuniVest Fund II, Inc., 800 Scudders Mill Road,
Plainsboro, NJ 08536. Mailing address: P.O. Box 9011, Princeton, NJ
08543-9011

Registrant's telephone number, including area code: (800) 882-0052, Option 4

Date of fiscal year end: 10/31/2008

Date of reporting period: 11/01/2007 - 01/31/2008

Item 1 - Schedule of Investments

BlackRock MuniVest Fund II, Inc.

Schedule of Investments as of January 31, 2008 (Unaudited)

(in Thousands)

State	Face Amount	Municipal Bonds
Alabama - 3.3%	\$ 3,500	Prattville, Alabama, IDB, Environmental Improvement Revenue (International Paper Company Projects), AMT, Series A, 4.75%
	5,000	Selma, Alabama, IDB, Environmental Improvement Revenue Bonds (International Paper Company Project), AMT, Series A, 4.75%
	2,900	Tuscaloosa, Alabama, Special Care Facilities Financing Autho Residential Care Facility Revenue Bonds (Capstone Village, I Series A, 5.875% due 8/01/2036
Arizona - 2.3%	1,000	Maricopa County, Arizona, IDA, Education Revenue Bonds (Ariz Schools Project 1), Series A, 6.75% due 7/01/2029
	2,315	Maricopa County, Arizona, Tempe Elementary Unified School Di GO, Refunding, 7.50% due 7/01/2010 (d)
	1,985	Pima County, Arizona, IDA, Education Revenue Bonds (Arizona Project), Series C, 6.75% due 7/01/2031
	435	Pima County, Arizona, IDA, Education Revenue Refunding Bonds Schools Project II), Series A, 6.75% due 7/01/2011 (j)
	510	Pima County, Arizona, IDA, Education Revenue Refunding Bonds Schools Project II), Series A, 6.75% due 7/01/2021

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California - 6.0%	7,950	California Health Facilities Financing Authority Revenue Bonds (Permanente), Series A, 5.25% due 4/01/2039
	680	California State, GO, 5.50% due 4/01/2014 (j)
	5	California State, GO, 5.50% due 4/01/2030
	2,500	Chula Vista, California, IDR (San Diego Gas and Electric Company Series B, 5% due 12/01/2027
	5,010	Golden State Tobacco Securitization Corporation of California Settlement Revenue Bonds, Series A-3, 7.875% due 6/01/2013 (

Colorado - 3.8%	165	Colorado HFA, Revenue Refunding Bonds (S/F Program), AMT, Series 7.50% due 4/01/2031

Portfolio Abbreviations

To simplify the listings of BlackRock MuniVest Fund II, Inc.'s portfolio holdings in the Schedule of Investments, we have abbreviated the names of many of the securities according to the list below.

AMT	Alternative Minimum Tax (subject to)
DRIVERS	Derivative Inverse Tax-Exempt Receipts
EDA	Economic Development Authority
GO	General Obligation Bonds
HFA	Housing Finance Authority
IDA	Industrial Development Authority
IDB	Industrial Development Board
IDR	Industrial Development Revenue Bonds
PCR	Pollution Control Revenue Bonds
RIB	Residual Interest Bonds
S/F	Single-Family
VRDN	Variable Rate Demand Notes

BlackRock MuniVest Fund II, Inc.
 Schedule of Investments as of January 31, 2008 (Unaudited) (in Thousands)

State	Face Amount	Municipal Bonds

	\$ 3,025	Elk Valley, Colorado, Public Improvement Revenue Bonds (Public Fee), Series A, 7.35% due 9/01/2031
	580	Elk Valley, Colorado, Public Improvement Revenue Bonds (Public Fee), Series B, 7.45% due 9/01/2031
	1,310	North Range Metropolitan District Number 1, Colorado, GO, 7.50%
	3,300	Plaza Metropolitan District Number 1, Colorado, Tax Allocation (Public Improvement Fees), 8% due 12/01/2025
	820	Plaza Metropolitan District Number 1, Colorado, Tax Allocation (Public Improvement Fees), 8.125% due 12/01/2025
	1,000	Southlands Metropolitan District Number 1, Colorado, GO, 7.50%

Connecticut - 1.1%	1,165	Connecticut State Development Authority, Airport Facility Revenue Bonds (Learjet Inc. Project), AMT, 7.95% due 4/01/2026
	2,000	Mohegan Tribe Indians Gaming Authority, Connecticut, Public Revenue Refunding Bonds (Priority Distribution), 6.25% due 12/01/2025

Delaware - 0.3%	1,000	New Castle County, Delaware, PCR (General Motors Corporation Revenue Bonds), 7% due 10/01/2008 (m)

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Florida - 12.9%	2,350	Fiddlers Creek, Florida, Community Development District Number 1, Assessment Revenue Bonds, Series A, 6.375% due 5/01/2035
	420	Fiddlers Creek, Florida, Community Development District Number 2, Assessment Revenue Bonds, Series B, 5.75% due 5/01/2013
	10,900	Highlands County, Florida, Health Facilities Authority, Hospital (Adventist Health System), Series C, 5.25% due 11/15/2036
	3,500	Hillsborough County, Florida, IDA, Hospital Revenue Bonds (Hospitals Center Project), Series A, 5.25% due 7/01/2037
	10,000	Miami-Dade County, Florida, Aviation Revenue Refunding Bonds (Miami International Airport), AMT, 5% due 10/01/2040 (1)
	4,000	Midtown Miami, Florida, Community Development District, Special Assessment Revenue Bonds, Series A, 6.25% due 5/01/2037
	1,280	Orange County, Florida, Health Facilities Authority, Hospital (Adventist Health System), 5.625% due 11/15/2012 (j)
	1,135	Orlando, Florida, Urban Community Development District, Capital Special Assessment Bonds, 6.25% due 5/01/2034
	1,000	Orlando, Florida, Urban Community Development District, Capital Special Assessment Bonds, Series A, 6.95% due 5/01/2011 (j)
	1,250	Palm Coast Park Community Development District, Florida, Special Assessment Revenue Bonds, 5.70% due 5/01/2037
	900	Park Place Community Development District, Florida, Special Assessment Revenue Bonds, 6.75% due 5/01/2032

BlackRock MuniVest Fund II, Inc.

Schedule of Investments as of January 31, 2008 (Unaudited)

(in Thousands)

State	Face Amount	Municipal Bonds
	\$ 920	Preserve at Wilderness Lake, Florida, Community Development District, Improvement Bonds, Series A, 7.10% due 5/01/2033
Georgia - 7.8%	2,000	Atlanta, Georgia, Tax Allocation Bonds (Atlantic Station Project), 7.90% due 12/01/2011 (j)
	1,225	Brunswick and Glynn County, Georgia, Development Authority, Special Assessment Revenue Bonds (Coastal Community Retirement Corporation Project), 7.125% due 1/01/2025 (q)
	1,075	Fulton County, Georgia, Development Authority, PCR, Refunding Bonds (PCR Corporation), VRDN, 6% due 4/01/2010 (m)
	2,000	Fulton County, Georgia, Residential Care Facilities, Revenue Bonds (Canterbury Court Project), Series A, 6.125% due 2/15/2026
	600	Gainesville, Georgia, Redevelopment Authority, Educational Facilities Refunding Bonds (Riverside Military Academy), 5.125% due 3/01/2011
	380	Georgia Municipal Electric Authority, Power Revenue Refunding Bonds, Series W, 6.60% due 1/01/2018 (c)
	5,615	Georgia Municipal Electric Authority, Power Revenue Refunding Bonds, Series W, 6.60% due 1/01/2018
	1,250	Georgia Municipal Electric Authority, Power Revenue Refunding Bonds, Series X, 6.50% due 1/01/2020
	2,500	Georgia State, GO, Series E, 5% due 8/01/2016
	2,500	Houston County, Georgia, Hospital Authority Revenue Bonds (Hospital Institute Project), 5.25% due 10/01/2035
	1,350	Milledgeville-Baldwin County, Georgia, Development Authority, Special Assessment Revenue Bonds (Georgia College and State University Foundation), 5.50% due 10/01/2035
Idaho - 0.0%	105	Idaho Housing Agency, S/F Mortgage Revenue Refunding Bonds, 5.50% due 10/01/2035

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due 1/01/2028

State	Face Amount	Municipal Bonds
Illinois - 8.3%	500	Chicago, Illinois, Midway Airport Revenue Bonds, Second Lien due 1/01/2029 (i)
	230	Chicago, Illinois, S/F Mortgage Revenue Bonds, AMT, Series C due 3/01/2032 (f)(g)
	800	Chicago, Illinois, Special Assessment Bonds (Lake Shore East 6.75% due 12/01/2032)
	1,000	Chicago, Illinois, Tax Allocation Bonds (Kingsbury Redevelopment Series A, 6.57% due 2/15/2013)
	2,800	Hodgkins, Illinois, Environmental Improvement Revenue Bonds (Management LLC Project), AMT, 6% due 11/01/2023
	1,000	Illinois Development Finance Authority Revenue Bonds (Community Rehabilitation Providers Facilities), Series A, 6.50% due 7/01/2028
	785	Illinois Development Finance Authority, Revenue Refunding Bonds (Community Rehabilitation Providers Facilities), Series A, 6% due 7/01/2028

BlackRock MuniVest Fund II, Inc.

Schedule of Investments as of January 31, 2008 (Unaudited)

(in Thousands)

State	Face Amount	Municipal Bonds	
	\$ 500	Illinois State Finance Authority Revenue Bonds (Friendship V Schaumburg), Series A, 5.625% due 2/15/2037	
	1,035	Illinois State Finance Authority Revenue Bonds (Landing At P Project), Series A, 6% due 5/15/2037	
	365	McLean and Woodford Counties, Illinois, Community Unit School 005, GO, Refunding, 6.375% due 12/01/2016 (h)	
	1,500	Regional Transportation Authority, Illinois, Revenue Bonds, due 11/01/2020 (b)	
	7,000	Regional Transportation Authority, Illinois, Revenue Bonds, due 11/01/2021 (d)	
	2,500	Regional Transportation Authority, Illinois, Revenue Bonds, due 6/01/2020 (d)	
	1,580	Village of Wheeling, Illinois, Revenue Bonds (North Milwaukee Increment Financing (TIF) Redevelopment Project), 6% due 1/01/2028	
	Indiana - 10.3%	5,745	Indiana Health and Educational Facilities Financing Authority Revenue Bonds (Clarian Health Obligation), Series A, 5.25% due 12/01/2028
		2,000	Indiana Health and Educational Facilities Financing Authority Revenue Bonds (Schneck Memorial Hospital Project), Series A, 5.25% due 12/01/2028
		5,545	Indiana State HFA, S/F Mortgage Revenue Refunding Bonds, Series A, due 1/01/2017 (e)
2,000		Indiana Transportation Finance Authority, Highway Revenue Bonds, due 6/01/2015	
3,775		Indiana Transportation Finance Authority, Highway Revenue Bonds, due 12/01/2016	
8,750		Indianapolis, Indiana, Local Public Improvement Bond Bank, Revenue Bonds, Series D, 6.75% due 2/01/2014	
Iowa - 1.0%		3,080	Iowa Financing Authority, S/F Mortgage Revenue Refunding Bonds, 5.15% due 7/01/2032 (g)
Kentucky - 2.9%		8,400	Louisville and Jefferson County, Kentucky, Metropolitan Government System, Revenue Refunding Bonds (Norton Healthcare, Inc.), 5.25% due 12/01/2028

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due 10/01/2036 (o)

Louisiana - 8.8%	3,950	Louisiana HFA, S/F Mortgage Revenue Bonds (Home Ownership Pr Series C-2, 5.20% due 6/01/2039 (f) (g)
	8,260	Louisiana Public Facilities Authority, Hospital Revenue Bond Missionaries of Our Lady Health System, Inc.), Series A, 5.2
	10,000	Port New Orleans, Louisiana, IDR, Refunding (Continental Gra Project), 6.50% due 1/01/2017

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State	Face Amount	Municipal Bonds
	\$ 3,600	Sabine River Authority, Louisiana, Water Facilities Revenue (International Paper Company), 6.20% due 2/01/2025
Maryland - 3.1%	1,750	Maryland State Community Development Administration, Department and Community Development, Residential Revenue Bonds, AMT, S due 9/01/2037
	1,500	Maryland State Community Development Administration, Department and Community Development, Residential Revenue Refunding Bond Series D, 4.90% due 9/01/2042
	2,000	Maryland State Energy Financing Administration, Solid Waste Bonds, Limited Obligation (Wheelabrator Water Projects), AMT
	1,100	Maryland State Health and Higher Educational Facilities Authority Bonds (King Farm Presbyterian Community), Series B, 5% due 1
	1,000	Maryland State Health and Higher Educational Facilities Authority Bonds (University of Maryland Medical System), Series B, 7%
	1,220	Montgomery County, Maryland, Special Obligation, GO (West Ge District), Series A, 6.70% due 7/01/2027 (k)
Massachusetts - 6.4%	1,000	Massachusetts State College Building Authority, Project Revenue Bonds, Senior-Series A, 7.50% due 5/01/2011
	2,000	Massachusetts State, HFA, Housing Revenue Bonds, AMT, Series due 12/01/2027
	3,000	Massachusetts State, HFA, Housing Revenue Bonds, AMT, Series due 12/01/2037
	2,770	Massachusetts State, HFA, Housing Revenue Refunding Bonds, A 4.85% due 6/01/2040
	2,720	Massachusetts State, HFA, S/F Housing Revenue Bonds, AMT, Series 5% due 12/01/2032
	6,000	Massachusetts State Water Resource Authority Revenue Bonds, 6.50% due 7/15/2019 (c)
Michigan - 6.4%	3,100	Flint, Michigan, Hospital Building Authority, Revenue Refunding (Hurley Medical Center), Series A, 6% due 7/01/2020 (a)
	4,320	Macomb County, Michigan, Hospital Finance Authority, Hospital Bonds (Mount Clemens General Hospital), Series B, 5.875% due
	2,050	Michigan State Hospital Finance Authority, Revenue Refunding Ford Health System), Series A, 5.25% due 11/15/2032
	5,550	Michigan State Hospital Finance Authority, Revenue Refunding Ford Health System), Series A, 5.25% due 11/15/2046
	3,000	Pontiac, Michigan, Tax Increment Finance Authority, Revenue Bonds (Development Area Number 3), 6.375% due 6/01/2012 (j)

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Mississippi - 5.9%	5,850	Lowndes County, Mississippi, Solid Waste Disposal and PCR, R (Weyerhaeuser Company Project), Series A, 6.80% due 4/01/202
	7,200	Mississippi Business Finance Corporation, Mississippi, PCR, (System Energy Resources Inc. Project), 5.875% due 4/01/2022

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State	Face Amount	Municipal Bonds
	\$ 3,465	Mississippi Business Finance Corporation, Mississippi, PCR, (System Energy Resources Inc. Project), 5.90% due 5/01/2022
Missouri - 1.4%	1,000	Missouri State Highways and Transportation Commission, Second Revenue Bonds, 5% due 5/01/2016
	2,500	Missouri State Highways and Transportation Commission, Second Revenue Bonds, 5% due 5/01/2017
	90	Missouri State Housing Development Commission, S/F Mortgage (Homeowner Loan), AMT, Series A, 7.50% due 3/01/2031 (g)
Nebraska - 0.2%	180	Nebraska Investment Finance Authority, S/F Housing Revenue B Series C, 6.30% due 9/01/2028 (f) (g)
	185	Nebraska Investment Finance Authority, S/F Housing Revenue B Series D, 6.45% due 3/01/2028 (g)
Nevada - 0.2%	615	Clark County, Nevada, Improvement District Number 142, Speci Bonds, 6.375% due 8/01/2023
New Jersey - 5.0%	4,250	New Jersey EDA, Cigarette Tax Revenue Bonds, 5.50% due 6/15/
	2,435	New Jersey EDA, Retirement Community Revenue Bonds (Cedar Cr Facility), Series A, 7.25% due 11/15/2011 (j)
	3,000	New Jersey EDA, Special Facility Revenue Bonds (Continental Project), AMT, 6.25% due 9/15/2029
	1,680	New Jersey Health Care Facilities Financing Authority Revenue Valley Hospital Association), 6.625% due 7/01/2036
	3,285	Tobacco Settlement Financing Corporation of New Jersey, Asse Bonds, 7% due 6/01/2013 (j)
New Mexico - 1.1%	3,160	Farmington, New Mexico, PCR, Refunding (Tucson Electric Powe Juan Project), Series A, 6.95% due 10/01/2020
New York - 3.9%	690	New York City, New York, City IDA, Civic Facility Revenue Bo due 6/01/2028
	890	New York City, New York, City IDA, Civic Facility Revenue Bo Facility Pooled Program), Series C-1, 6.50% due 7/01/2017
	1,920	New York City, New York, City IDA, Special Facility Revenue Airways Plc Project), AMT, 7.625% due 12/01/2032
	40	New York City, New York, GO, Refunding, Series A, 6.375% due
	1,660	New York City, New York, GO, Series F, 5.25% due 1/15/2033

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(in Thousands)

State	Face Amount	Municipal Bonds
	\$ 1,500	New York State Dormitory Authority, Revenue Refunding Bonds, due 5/15/2015 (i) (n)
	1,000	Westchester County, New York, IDA, Civic Facility Revenue Bonds (Needs Facilities Pooled Program), Series E-1, 6.50% due 7/01/2015
	2,690	Westchester County, New York, IDA, Continuing Care Retirement Community Revenue Bonds (Kendal on Hudson Project), Series A, 6.50% due 7/01/2015
North Carolina - 0.5%	1,675	Gaston County, North Carolina, Industrial Facilities and Pollution Control Financing Authority, Revenue Bonds (National Gypsum Company AMT), 5.75% due 8/01/2035
Ohio - 6.1%	14,000	Buckeye Tobacco Settlement Financing Authority, Ohio, Tobacco Asset-Backed Bonds, Series A-2, 6.50% due 6/01/2047
	1,750	Ohio State, Higher Education, GO, Series B, 5% due 11/01/2015
	1,400	Trumbull County, Ohio, Health Care Facilities Revenue Bonds (the Valley), VRDN, 5.40% due 10/01/2031 (k) (m)
Pennsylvania - 4.6%	1,235	Allegheny County, Pennsylvania, IDA, Environmental Improvement Refunding Bonds, 5.50% due 11/01/2016
	880	Bucks County, Pennsylvania, IDA, Retirement Community Revenue Bonds (Ann's Choice Inc.), Series A, 6.125% due 1/01/2025
	1,000	Lancaster County, Pennsylvania, Hospital Authority Revenue Bonds (Village Project), Series A, 6.50% due 7/01/2040
	470	Montgomery County, Pennsylvania, IDA, Revenue Bonds (Whitemarsh Care Project), 6.125% due 2/01/2028
	1,090	Montgomery County, Pennsylvania, IDA, Revenue Bonds (Whitemarsh Care Project), 6.25% due 2/01/2035
	2,000	Pennsylvania Economic Development Financing Authority, Exempt Revenue Bonds (National Gypsum Company), AMT, Series B, 6.125% due 1/15/2031
	1,250	Pennsylvania State Higher Educational Facilities Authority Revenue Bonds (University of Pennsylvania Medical Center Health System), Series A, 6% due 1/15/2031
	1,265	Philadelphia, Pennsylvania, Authority for IDR, Commercial Debt Revenue Bonds, 7.75% due 12/01/2017
	2,425	Sayre, Pennsylvania, Health Care Facilities Authority, Revenue Bonds (Guthrie Healthcare System), Series B, 5.85% due 12/01/2011
	1,350	Sayre, Pennsylvania, Health Care Facilities Authority, Revenue Bonds (Guthrie Healthcare System), Series B, 7.125% due 12/01/2011
Rhode Island - 0.5%	1,140	Rhode Island State Health and Educational Building Corporation Financing Revenue Bonds (Lifespan Obligation Group), 6.50% due 7/01/2015
South Carolina - 0.1%	155	South Carolina Housing Finance and Development Authority, Mortgage Revenue Bonds, AMT, Series A, 6.70% due 7/01/2027

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State	Face Amount	Municipal Bonds

Tennessee - 5.7%	\$ 1,000	Johnson City, Tennessee, Health and Educational Facilities B Facility Revenue Bonds (Appalachian Christian Village Project) due 2/15/2024
	3,175	Shelby County, Tennessee, Health, Educational and Housing Fa Hospital Revenue Refunding Bonds (Methodist Healthcare), 6.5
	12,050	Tennessee Energy Acquisition Corporation, Gas Revenue Bonds, 5.25% due 9/01/2026

Texas - 13.6%	4,510	Austin, Texas, Convention Center Revenue Bonds (Convention E Inc.), First Tier, Series A, 6.70% due 1/01/2011 (j)
	1,500	Brazos River Authority, Texas, PCR, Refunding (TXU Energy Co Project), AMT, Series A, 7.70% due 4/01/2033
	1,810	Brazos River Authority, Texas, Revenue Refunding Bonds (Reli Inc. Project), Series B, 7.75% due 12/01/2018
	5,800	Brazos River, Texas, Harbor Navigation District, Brazoria Co Environmental Revenue Refunding Bonds (Dow Chemical Company AMT, Series A-7, 6.625% due 5/15/2033
	2,500	Guadalupe-Blanco River Authority, Texas, Sewage and Solid Wa Facility Revenue Bonds (E. I. du Pont de Nemours and Company AMT, 6.40% due 4/01/2026
	3,440	Matagorda County, Texas, Navigation District Number 1, Reven Bonds (Reliant Energy Inc.), Series C, 8% due 5/01/2029
	2,500	Port Corpus Christi, Texas, Revenue Refunding Bonds (Celanes AMT, Series B, 6.70% due 11/01/2030
	800	Port Corpus Christi, Texas, Revenue Refunding Bonds (Celanes Series A, 6.45% due 11/01/2030
	7,500	San Antonio, Texas, Electric and Gas Revenue Bonds, Series A due 2/01/2010 (j)
	1,900	Tarrant County, Texas, Health Facilities Development Corpora Revenue Refunding Bonds (Cumberland Rest, Inc. Project), VRD 5.35% due 8/15/2032 (k) (m)
	2,000	Texas State Affordable Housing Corporation, S/F Mortgage Rev (Fire Fighter and Law Enforcement or Security Officer Home L AMT, Series B, 5.25% due 9/01/2039 (g)
	4,475	Texas State Department of Housing and Community Affairs, S/F Revenue Bonds, AMT, Series B, 5.25% due 9/01/2032 (f) (g)

U.S. Virgin Islands - 2.1%	6,000	Virgin Islands Government Refinery Facilities, Revenue Refun (Hovensa Coker Project), AMT, 6.50% due 7/01/2021 (j)

Virginia - 0.7%	1,000	Chesterfield County, Virginia, IDA, PCR, Refunding (Virginia Power Company), Series B, 5.875% due 6/01/2017
	1,000	Fairfax County, Virginia, EDA, Residential Care Facilities, Refunding Bonds (Goodwin House, Inc.), 5.125% due 10/01/2037

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Washington - 7.2%	\$ 500	Energy Northwest, Washington, Electric Revenue Refunding Bonds Series 248, 7.968% due 7/01/2018 (i) (n)	
	10,815	Washington State, GO, Series B, 6% due 1/01/2010 (h)	
	5,000	Washington State Public Power Supply System, Revenue Refunding Project Number 1), Series B, 7.125% due 7/01/2016	
	1,900	Washington State Public Power Supply System, Revenue Refunding Project Number 3), Series B, 7.125% due 7/01/2016 (i)	
<hr style="border-top: 1px dashed black;"/>			
Wisconsin - 0.7%	2,215	Wisconsin State Health and Educational Facilities Authority (SynergyHealth Inc.), 6% due 11/15/2032	
<hr style="border-top: 1px dashed black;"/>			
Total Municipal Bonds (Cost - \$404,977) - 144.2%			
<hr style="border-top: 1px dashed black;"/>			
Municipal Bonds Transferred to Tender Option Bond Trusts (p)			
<hr style="border-top: 1px dashed black;"/>			
Illinois - 6.6%	6,000	Chicago, Illinois, O'Hare International Airport, General Air Refunding Bonds, Third Lien, AMT, Series A, 5.75% due 1/01/2018	
	4,225	Kane and De Kalb Counties, Illinois, Community Unity School Number 302, GO, 5.75% due 2/01/2014 (d)	
	1,000	Kane and De Kalb Counties, Illinois, Community Unity School Number 302, GO, 5.75% due 2/01/2019 (d)	
	6,400	Metropolitan Pier and Exposition Authority, Illinois, Dedicated Tax Revenue Refunding Bonds (McCormick Place Expansion Project), 5.75% due 6/15/2023 (i)	
<hr style="border-top: 1px dashed black;"/>			
Massachusetts - 3.5%	10,000	Massachusetts State School Building Authority, Dedicated Sales Tax Revenue Refunding Bonds, Series A, 5% due 8/15/2030 (h)	
<hr style="border-top: 1px dashed black;"/>			
New York - 6.6%	6,750	New York City, New York, City Transitional Finance Authority Future Tax Secured, Series B, 6.25% due 11/15/2018	
	11,000	New York State Dormitory Authority, State University Educational Facilities Authority, Revenue Refunding Bonds, Series 1989, 6% due 5/15/2010 (i)	
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Texas - 4.0%	10,000	Harris County, Texas, Health Facilities Development Corporation, Health Facilities Development Corporation, Series B, 5.75% due 7/01/2018	
<hr style="border-top: 1px dashed black;"/>			
Washington - 2.2%	3,500	Energy Northwest, Washington, Electric Revenue Refunding Bonds (Generating Station), Series A, 5.75% due 7/01/2018 (i)	
	2,250	Energy Northwest, Washington, Electric Revenue Refunding Bonds (Generating Station), Series B, 6% due 7/01/2018 (b)	
<hr style="border-top: 1px dashed black;"/>			
Total Municipal Bonds Transferred to Tender Option Bond Trusts (Cost - \$64,060) - 22.9%			
<hr style="border-top: 1px dashed black;"/>			

BlackRock MuniVest Fund II, Inc.

Schedule of Investments as of January 31, 2008 (Unaudited)

(in Thousands)

Total Investments (Cost - \$469,037*) - 167.1%

Other Assets Less Liabilities - 3.3%

Liability for Trust Certificates, Including Interest Expense

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Preferred Stock, at Redemption Value - (59.9%)

Net Assets Applicable to Common Stock - 100.0%

* The cost and unrealized appreciation (depreciation) of investments as of January 31, 2008, as computed for federal income tax purposes were as follows:

Aggregate cost	\$ 439,388
	=====
Gross unrealized appreciation	\$ 24,631
Gross unrealized depreciation	(6,164)

Net unrealized appreciation	\$ 18,467
	=====

- (a) ACA Insured.
 - (b) AMBAC Insured.
 - (c) Escrowed to maturity.
 - (d) FGIC Insured.
 - (e) FHA Insured.
 - (f) FHLMC Collateralized.
 - (g) FNMA/GNMA Collateralized.
 - (h) FSA Insured.
 - (i) MBIA Insured.
 - (j) Prerefunded.
 - (k) Radian Insured.
 - (l) XL Capital Insured.
 - (m) Security may have a maturity of more than one year at time of issuance, but has variable rate and demand features that qualify it as a short-term security. The rate disclosed is that currently in effect. This rate changes periodically based upon prevailing market rates.
 - (n) The rate disclosed is that currently in effect. This rate changes periodically and inversely based upon prevailing market rates.
 - (o) Represents a pay-in-kind security which may pay interest/dividends in additional face/shares.
 - (p) Securities represent underlying bonds transferred to a separate securitization trust established in a tender option bond transaction in which the Fund may have acquired the residual interest certificates. These securities serve as collateral in a financing transaction.
 - (q) Non-income producing security; issuer filed for bankruptcy or is in default of interest payments.
- o Forward interest rate swaps outstanding as of January 31, 2008 were as follows:

	Notional Amount

Pay a fixed rate of 3.925% and receive a floating rate based on 1-week (SIFMA) Municipal Swap Index rate Broker, JPMorgan Chase Expires February 2028	\$ 6,000

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- 2(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")) are effective as of a date within 90 days of the filing of this report based on the evaluation of these controls and procedures required by Rule 30a-3(b) under the 1940 Act and Rule 13a-15(b) under the Securities Exchange Act of 1934, as amended.
- 2(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) 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

Certifications - Attached hereto

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.

BlackRock MuniVest Fund II, Inc.

By: /s/ Donald C. Burke

Donald C. Burke
Chief Executive Officer of
BlackRock MuniVest Fund II, Inc.

Date: March 24, 2008

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: /s/ Donald C. Burke

Donald C. Burke
Chief Executive Officer (principal executive officer) of
BlackRock MuniVest Fund II, Inc.

Date: March 24, 2008

By: /s/ Neal J. Andrews

Neal J. Andrews
Chief Financial Officer (principal financial officer) of
BlackRock MuniVest Fund II, Inc.

Date: March 24, 2008