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BLACKROCK MUNIVEST FUND II INC

Form N-Q

September 27, 2007

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.

Fund Address: P.O. Box 9011
Princeton, NJ 08543-9011

Name and address of agent for service: Robert C. Doll, Jr., Chief Executive
Officer (principal 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

Date of fiscal year end: 10/31/2007

Date of reporting period: 05/01/2007 - 07/31/2007

Item 1 - Schedule of Investments

BlackRock MuniVest Fund II, Inc.

Schedule of Investments as of July 31, 2007 (Unaudited)

(in Thousands)

State	Face Amount	Municipal Bonds
Alabama - 5.4%	\$ 5,000	Huntsville, Alabama, Health Care Authority Revenue Bonds, Series due 6/01/2012 (j)
	3,500	Prattville, Alabama, IDB, Environmental Improvement Revenue Bonds (Paper Company Projects), AMT, Series A, 4.75% due 12/01/2030
	5,000	Selma, Alabama, IDB, Environmental Improvement Revenue Bonds (Int Company Project), AMT, Series A, 4.75% due 12/01/2030
	2,900	Tuscaloosa, Alabama, Special Care Facilities Financing Authority, Facility Revenue Bonds (Capstone Village, Inc. Project), Series A
Arizona - 2.5%	900	Coconino County, Arizona, Pollution Control Corporation Revenue B Public Service Co.-Navajo Project), VRDN, AMT, Series A, 3.71% du
	1,000	Maricopa County, Arizona, IDA, Education Revenue Bonds (Arizona C Project 1), Series A, 6.75% due 7/01/2029
	2,315	Maricopa County, Arizona, Tempe Elementary Unified School Distric Refunding, 7.50% due 7/01/2010 (d)
	1,985	Pima County, Arizona, IDA, Education Revenue Bonds (Arizona Chart Project), Series C, 6.75% due 7/01/2031
	435	Pima County, Arizona, IDA, Education Revenue Refunding Bonds (Ari

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	520	Schools Project II), Series A, 6.75% due 7/01/2011 (j) Pima County, Arizona, IDA, Education Revenue Refunding Bonds (Arizona Schools Project II), Series A, 6.75% due 7/01/2021
California - 15.4%	7,950	California Health Facilities Financing Authority Revenue Bonds (K Series A, 5.25% due 4/01/2039
	3,505	California State, GO, 5.50% due 4/01/2014 (j)
	5	California State, GO, 5.50% due 4/01/2030
	9,200	California State, GO, Refunding, 5% due 6/01/2037
	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, To Revenue Bonds, Series A-3, 7.875% due 6/01/2013 (j)
	17,000	Golden State Tobacco Securitization Corporation of California, To Revenue Refunding Bonds, Senior Series A-1, 5.125% due 6/01/2047
Colorado - 3.9%	175	Colorado HFA, Revenue Refunding Bonds (S/F Program), AMT, Senior 7.50% due 4/01/2031
	3,025	Elk Valley, Colorado, Public Improvement Revenue Bonds (Public Im Series A, 7.35% due 9/01/2031
	830	Elk Valley, Colorado, Public Improvement Revenue Bonds (Public Im Series B, 7.45% due 9/01/2031
	1,310	North Range Metropolitan District Number 1, Colorado, GO, 7.25% d

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
HDA	Housing Development Authority
HFA	Housing Finance Agency
IDA	Industrial Development Authority
IDB	Industrial Development Board
IDR	Industrial Development Revenue Bonds
M/F	Multi-Family
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 July 31, 2007 (Unaudited) (in Thousands)

State	Face Amount	Municipal Bonds
	\$ 3,300	Plaza Metropolitan District Number 1, Colorado, Tax Allocation Re (Public Improvement Fees), 8% due 12/01/2025
	820	Plaza Metropolitan District Number 1, Colorado, Tax Allocation Re (Public Improvement Fees), 8.125% due 12/01/2025
	1,000	Southlands Metropolitan District Number 1, Colorado, GO, 7% due 1

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Connecticut - 1.2%	1,165	Connecticut State Development Authority, Airport Facility Revenue (Learjet Inc. Project), AMT, 7.95% due 4/01/2026
	2,000	Mohegan Tribe Indians Gaming Authority, Connecticut, Public Improvement Refunding Bonds (Priority Distribution), 6.25% due 1/01/2031
Delaware - 0.3%	1,000	New Castle County, Delaware, PCR (General Motors Corporation Project), 7% due 10/01/2008 (l)
Florida - 7.0%	2,350	Fiddlers Creek, Florida, Community Development District Number 2, Assessment Revenue Bonds, Series A, 6.375% due 5/01/2035
	820	Fiddlers Creek, Florida, Community Development District Number 2, Assessment Revenue Bonds, Series B, 5.75% due 5/01/2013
	6,500	Highlands County, Florida, Health Facilities Authority, Hospital Revenue Bonds (Adventist Health System), Series C, 5.25% due 11/15/2036
	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 Revenue Bonds (Adventist Health System), 5.625% due 11/15/2012 (j)
	1,135	Orlando, Florida, Urban Community Development District, Capital Improvement Special Assessment Bonds, 6.25% due 5/01/2034
	1,000	Orlando, Florida, Urban Community Development District, Capital Improvement Special Assessment Bonds, Series A, 6.95% due 5/01/2033
	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
	920	Preserve at Wilderness Lake, Florida, Community Development District, Improvement Bonds, Series A, 7.10% due 5/01/2033
	100	Sarasota County, Florida, Public Hospital Board, Hospital Revenue Bonds (Sarasota Memorial Hospital), VRDN, Series A, 3.74% due 7/01/2037
	Georgia - 6.0%	2,000
1,225		Brunswick and Glynn County, Georgia, Development Authority, First Lien Bonds (Coastal Community Retirement Corporation Project), Series A, due 1/01/2025
1,075		Fulton County, Georgia, Development Authority, PCR (General Motors Corporation Project), VRDN, 7.50% due 4/01/2010 (l)
2,000		Fulton County, Georgia, Residential Care Facilities, Revenue Refunding 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 3/01/2033
5,620		Georgia Municipal Electric Authority, Power Revenue Refunding Bonds, 6.60% due 1/01/2018
380		Georgia Municipal Electric Authority, Power Revenue Refunding Bonds, 6.60% due 1/01/2018 (c)
1,250		Georgia Municipal Electric Authority, Power Revenue Refunding Bonds, 6.50% due 1/01/2020
1,350		Milledgeville-Baldwin County, Georgia, Development Authority Revenue Bonds (Georgia College and State University Foundation), 5.50% due 9/01/2033
1,000		Milledgeville-Baldwin County, Georgia, Development Authority Revenue Bonds (Georgia College and State University Foundation), 5.625% due 9/01/2033
Idaho - 0.0%	120	Idaho Housing Agency, S/F Mortgage Revenue Refunding Bonds, AMT, 6.90% due 1/01/2027

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(in Thousands)

State	Face Amount	Municipal Bonds
Illinois - 8.2%	\$ 230	Chicago, Illinois, S/F Mortgage Revenue Bonds, AMT, Series C, 7%
	800	Chicago, Illinois, Special Assessment Bonds (Lake Shore East), 6.
	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 (Metropolitan Management LLC Project), AMT, 6% due 11/01/2023
	1,000	Illinois Development Finance Authority Revenue Bonds (Community Resource Providers Facilities), Series A, 6.50% due 7/01/2022
	785	Illinois Development Finance Authority, Revenue Refunding Bonds (Rehabilitation Providers Facilities), Series A, 6% due 7/01/2015
	415	Illinois HDA, Revenue Refunding Bonds (M/F Program), Series 5, 6.
	500	Illinois State Finance Authority Revenue Bonds (Friendship Villages Series A, 5.625% due 2/15/2037
	1,035	Illinois State Finance Authority Revenue Bonds (Landing At Plymouth Series A, 6% due 5/15/2037
	365	McLean and Woodford Counties, Illinois, Community Unit School District GO, Refunding, 6.375% due 12/01/2016 (h)
	1,500	Regional Transportation Authority, Illinois, Revenue Bonds, Series due 11/01/2020 (b)
	7,000	Regional Transportation Authority, Illinois, Revenue Bonds, Series due 11/01/2021 (d)
	2,500	Regional Transportation Authority, Illinois, Revenue Bonds, Series due 6/01/2020 (d)
	1,580	Village of Wheeling, Illinois, Revenue Bonds (North Milwaukee/Lake Increment Financing (TIF) Redevelopment Project), 6% due 1/01/2022
Indiana - 10.9%	8,245	Indiana Health and Educational Facilities Financing Authority, Hospital Bonds (Clarian Health Obligation), Series A, 5.25% due 2/15/2040
	2,000	Indiana Health and Educational Facilities Financing Authority, Hospital (Schneck Memorial Hospital Project), Series A, 5.25% due 2/15/2037
	5,545	Indiana State, HFA, S/F Mortgage Revenue Refunding Bonds, Series 6.80% due 1/01/2017 (e)
	2,000	Indiana Transportation Finance Authority, Highway Revenue Bonds, 7.25% due 6/01/2015
	3,775	Indiana Transportation Finance Authority, Highway Revenue Bonds, 6.80% due 12/01/2016
	8,750	Indianapolis, Indiana, Local Public Improvement Bond Bank, Revenue Series D, 6.75% due 2/01/2014
Kentucky - 4.0%	11,650	Louisville and Jefferson County, Kentucky, Metropolitan Government Revenue Refunding Bonds (Norton Healthcare, Inc.), 5.25% due 10/01/2025
Louisiana - 7.5%	8,260	Louisiana Public Facilities Authority, Hospital Revenue Bonds (Francis Missionaries of Our Lady Health System, Inc.), Series A, 5.25% due 12/01/2025
	10,000	Port New Orleans, Louisiana, IDR, Refunding (Continental Grain Company), 6.50% due 1/01/2017
	3,600	Sabine River Authority, Louisiana, Water Facilities Revenue Refunding (International Paper Company), 6.20% due 2/01/2025
Maryland - 2.4%	1,500	Maryland State Community Development Administration, Department of Community Development, Residential Revenue Refunding Bonds, AMT, 4.90% due 9/01/2042
	2,000	Maryland State Energy Financing Administration, Solid Waste Disposal Limited Obligation (Wheelabrator Water Projects), AMT, 6.45% due 12/01/2025

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1,100 Maryland State Health and Higher Educational Facilities Authority
(King Farm Presbyterian Community), Series B, 5% due 1/01/2017

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(in Thousands)

State	Face Amount	Municipal Bonds
	\$ 1,000	Maryland State Health and Higher Educational Facilities Authority (University of Maryland Medical System), Series B, 7% due 7/01/20
	1,220	Montgomery County, Maryland, Special Obligation, GO (West Germantown District), Series A, 6.70% due 7/01/2027 (k)
Massachusetts - 4.1%	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 A, 5
	2,000	Massachusetts State, HFA, Housing Revenue Refunding Bonds, AMT, S 4.85% due 6/01/2040
	6,000	Massachusetts State Water Resource Authority Revenue Bonds, Serie 6.50% due 7/15/2019 (c)
Michigan - 7.6%	3,100	Flint, Michigan, Hospital Building Authority, Revenue Refunding Bonds (Medical Center), Series A, 6% due 7/01/2020 (a)
	4,320	Macomb County, Michigan, Hospital Finance Authority, Hospital Rev (Mount Clemens General Hospital), Series B, 5.875% due 11/15/2034
	1,500	Michigan State Hospital Finance Authority, Hospital Revenue Refun (Oakwood Obligated Group), Series A, 5% due 7/15/2025
	5,000	Michigan State Hospital Finance Authority Revenue Bonds (Mid-Mich Series A, 5% due 4/15/2036
	1,650	Michigan State Hospital Finance Authority, Revenue Refunding Bond (Health System), Series A, 5.25% due 11/15/2032
	3,500	Michigan State Hospital Finance Authority, Revenue Refunding Bond (Health System), Series A, 5% due 11/15/2038
	3,000	Pontiac, Michigan, Tax Increment Finance Authority, Revenue Refun (Development Area Number 3), 6.375% due 6/01/2031
Mississippi - 5.9%	5,850	Lowndes County, Mississippi, Solid Waste Disposal and PCR, Refund (Weyerhaeuser Company Project), Series A, 6.80% due 4/01/2022
	7,200	Mississippi Business Finance Corporation, Mississippi, PCR, Refun Energy Resources Inc. Project), 5.875% due 4/01/2022
	3,465	Mississippi Business Finance Corporation, Mississippi, PCR, Refun Energy Resources Inc. Project), 5.90% due 5/01/2022
Missouri - 0.0%	95	Missouri State Housing Development Commission, S/F Mortgage Reven (Homeowner Loan), AMT, Series A, 7.50% due 3/01/2031 (g)
Nebraska - 0.2%	325	Nebraska Investment Finance Authority, S/F Housing Revenue Bonds, Series C, 6.30% due 9/01/2028 (f) (g)
	255	Nebraska Investment Finance Authority, S/F Housing Revenue Bonds, Series D, 6.45% due 3/01/2028 (g)
Nevada - 0.2%	620	Clark County, Nevada, Improvement District Number 142, Special As 6.375% due 8/01/2023
New Jersey - 6.0%	4,250	New Jersey EDA, Cigarette Tax Revenue Bonds, 5.50% due 6/15/2024

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	2,435	New Jersey EDA, Retirement Community Revenue Bonds (Cedar Crest V Facility), Series A, 7.25% due 11/15/2011 (j)
	3,000	New Jersey EDA, Special Facility Revenue Bonds (Continental Airli Project), AMT, 6.25% due 9/15/2029
	1,680	New Jersey Health Care Facilities Financing Authority Revenue Bon Hospital Association), 6.625% due 7/01/2036
	3,285	Tobacco Settlement Financing Corporation of New Jersey, Asset-Bac Bonds, 7% due 6/01/2013 (j)
	2,500	Tobacco Settlement Financing Corporation of New Jersey, Revenue R Series 1A, 5% due 6/01/2041

New Mexico - 1.1%	3,160	Farmington, New Mexico, PCR, Refunding (Tucson Electric Power Com Project), Series A, 6.95% due 10/01/2020

BlackRock MuniVest Fund II, Inc.

Schedule of Investments as of July 31, 2007 (Unaudited)

(in Thousands)

State	Face Amount	Municipal Bonds

New York - 4.3%	\$ 690	New York City, New York, City IDA, Civic Facility Revenue Bonds, 6.80% due 6/01/2028
	890	New York City, New York, City IDA, Civic Facility Revenue Bonds (Facility Pooled Program), Series C-1, 6.50% due 7/01/2017
	1,920	New York City, New York, City IDA, Special Facility Revenue Bonds Airways Plc Project), AMT, 7.625% due 12/01/2032
	40	New York City, New York, GO, Refunding, Series A, 6.375% due 5/15/2033
	3,160	New York City, New York, GO, Series F, 5.25% due 1/15/2033
	1,500	New York State Dormitory Authority, Revenue Refunding Bonds, RIB, 8.07% due 5/15/2015 (i) (m) (o)
	1,000	Westchester County, New York, IDA, Civic Facility Revenue Bonds (Facilities Pooled Program), Series E-1, 6.50% due 7/01/2017
	2,690	Westchester County, New York, IDA, Continuing Care Retirement, Mo Bonds (Kendal on Hudson Project), Series A, 6.50% due 1/01/2034

North Carolina - 1.7%	1,675	Gaston County, North Carolina, Industrial Facilities and Pollution Authority, Revenue Bonds (National Gypsum Company Project), AMT,
	1,750	North Carolina Capital Facilities Finance Agency, Exempt Faciliti (Republic Services Inc. Project), VRDN, AMT, 3.75% due 7/01/2034
	1,500	North Carolina Medical Care Commission, Retirement Facilities, Fi Bonds (Givens Estates Project), Series A, 6.375% due 7/01/2013 (j)

Oklahoma - 3.8%	5,000	Oklahoma State Development Finance Authority, Revenue Refunding B Health System), 5% due 2/15/2037
	6,400	Oklahoma State Development Finance Authority, Revenue Refunding B Health System), 5% due 2/15/2042

Pennsylvania - 5.1%	1,235	Allegheny County, Pennsylvania, IDA, Environmental Improvement Re Bonds, 5.50% due 11/01/2016
	880	Bucks County, Pennsylvania, IDA, Retirement Community Revenue Bon Inc.), Series A, 6.125% due 1/01/2025
	470	Montgomery County, Pennsylvania, IDA, Revenue Bonds (Whitemarsh C Project), 6.125% due 2/01/2028
	1,090	Montgomery County, Pennsylvania, IDA, Revenue Bonds (Whitemarsh C Project), 6.25% due 2/01/2035

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	2,000	Pennsylvania Economic Development Financing Authority, Exempt Facility Revenue Bonds (National Gypsum Company), AMT, Series B, 6.125% due 11/01/2017
	1,250	Pennsylvania State Higher Educational Facilities Authority Revenue Bonds (of Pennsylvania Medical Center Health System), Series A, 6% due 11/01/2017
	1,265	Philadelphia, Pennsylvania, Authority for IDR, Commercial Development Revenue Bonds, Series A, 6.75% due 12/01/2017
	2,425	Sayre, Pennsylvania, Health Care Facilities Authority, Revenue Bonds (Healthcare System), Series B, 5.85% due 12/01/2011 (j)
	3,350	Sayre, Pennsylvania, Health Care Facilities Authority, Revenue Bonds (Healthcare System), Series B, 7.125% due 12/01/2011 (j)
Rhode Island - 0.4%	1,140	Rhode Island State Health and Educational Building Corporation, Health Services Revenue Bonds (Lifespan Obligation Group), 6.50% due 8/15/2012 (j)
South Carolina - 3.8%	1,200	Lexington County, South Carolina, Health Services District Inc., Revenue Bonds (Lexington Medical Center), 5.50% due 5/01/2014 (j)
	1,500	Lexington County, South Carolina, Health Services District Inc., Refunding and Improvement Bonds, 5.50% due 11/01/2013 (j)
	3,500	Lexington County, South Carolina, Health Services District Inc., Refunding Bonds, 5% due 11/01/2032
	3,500	Lexington County, South Carolina, Health Services District Inc., Refunding Bonds, 5% due 11/01/2036

BlackRock MuniVest Fund II, Inc.

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(in Thousands)

State	Face Amount	Municipal Bonds
	\$ 1,230	Medical University Hospital Authority, South Carolina, Hospital Facility Revenue Refunding Bonds, 6.50% due 8/15/2012 (j)
	165	South Carolina Housing Finance and Development Authority, Mortgage Revenue Bonds, AMT, Series A, 6.70% due 7/01/2027
Tennessee - 2.9%	1,000	Johnson City, Tennessee, Health and Educational Facilities Board, Facility Revenue Bonds (Appalachian Christian Village Project), Series A, 6% due 2/15/2024
	4,000	McMinn County, Tennessee, IDB, Solid Waste Revenue Bonds (Recycling Newsprint), AMT, 7.40% due 12/01/2022
	3,175	Shelby County, Tennessee, Health, Educational and Housing Facilities Authority, Revenue Refunding Bonds (Methodist Healthcare), 6.50% due 9/01/2017
Texas - 13.1%	6,110	Austin, Texas, Convention Center Revenue Bonds (Convention Center First Tier, Series A, 6.70% due 1/01/2011 (j)
	1,500	Brazos River Authority, Texas, PCR, Refunding (TXU Energy Company Project), AMT, Series A, 7.70% due 4/01/2033
	1,810	Brazos River Authority, Texas, Revenue Refunding Bonds (Reliant Energy Project), Series B, 7.75% due 12/01/2018
	5,800	Brazos River, Texas, Harbor Navigation District, Brazoria County Refunding Bonds (Dow Chemical Company Project), AMT, Series A-7, 6.75% due 12/01/2017
	4,180	Brazos River, Texas, Harbor Navigation District, Brazoria County Refunding Bonds (Dow Chemical Company Project), Series B-7, 6.75% due 12/01/2017
	2,500	Guadalupe-Blanco River Authority, Texas, Sewage and Solid Waste Disposal Revenue Bonds (E. I. du Pont de Nemours and Company Project), AMT, Series A, 6.75% due 12/01/2017
	3,440	Matagorda County, Texas, Navigation District Number 1, Revenue Refunding Bonds, Series A, 6.75% due 12/01/2017

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		(Reliant Energy Inc.), Series C, 8% due 5/01/2029
	3,060	Port Corpus Christi, Texas, Individual Development Corporation, E
		Revenue Bonds (Citgo Petroleum Corporation Project), AMT, 8.25% d
	2,500	Port Corpus Christi, Texas, Revenue Refunding Bonds (Celanese Pro
		Series B, 6.70% due 11/01/2030
	800	Port Corpus Christi, Texas, Revenue Refunding Bonds (Celanese Pro
		6.45% due 11/01/2030
	2,020	Sabine River Authority, Texas, PCR, Refunding (TXU Electric Compa
		Company LLC), Series C, 5.20% due 5/01/2028
	3,650	Tarrant County, Texas, Cultural Education Facilities Financing Co
		Bonds (Texas Health Resources), Series B, 5% due 11/15/2042

Virginia - 0.7%	1,000	Chesterfield County, Virginia, IDA, PCR, Refunding (Virginia Elec
		Company), Series B, 5.875% due 6/01/2017
	1,000	Fairfax County, Virginia, EDA, Residential Care Facilities, Mortg
		Bonds (Goodwin House, Inc.), 5.125% due 10/01/2042

Washington - 3.0%	500	Energy Northwest, Washington, Electric Revenue Refunding Bonds, D
		7.535% due 7/01/2018 (i) (m) (o)
	5,000	Washington State Public Power Supply System, Revenue Refunding Bo
		Number 1), Series B, 7.125% due 7/01/2016
	1,900	Washington State Public Power Supply System, Revenue Refunding Bo
		Number 3), Series B, 7.125% due 7/01/2016 (i)

Wisconsin - 0.8%	2,215	Wisconsin State Health and Educational Facilities Authority Reven
		(SynergyHealth Inc.), 6% due 11/15/2032

U.S. Virgin Islands - 2.2%	6,000	Virgin Islands Government Refinery Facilities, Revenue Refunding
		Coker Project), AMT, 6.50% due 7/01/2021

		Total Municipal Bonds (Cost - \$402,100) - 141.6%

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(in Thousands)

State	Face Amount	Municipal Bonds Held in Trust (n)

Illinois - 6.4%	\$ 6,000	Chicago, Illinois, O'Hare International Airport, General Airport
		Refunding Bonds, Third Lien, AMT, Series A, 5.75% due 1/01/2020 (
	4,200	Kane and De Kalb Counties, Illinois, Community Unit School Distri
		GO, 5.75% due 2/01/2014 (d) (j)
	1,000	Kane and De Kalb Counties, Illinois, Community Unit School Distri
		5.75% due 2/01/2019 (d)
	6,400	Metropolitan Pier and Exposition Authority, Illinois, Dedicated S
		Refunding Bonds (McCormick Place Expansion Project), Series B, 5.

Massachusetts - 3.5%	10,000	Massachusetts State School Building Authority, Dedicated Sales Ta
		Series A, 5% due 8/15/2030 (h)

New York - 6.4%	6,750	New York City, New York, City Transitional Finance Authority Reve
		Tax Secured, Series B, 6.25% due 11/15/2018
	6,000	New York State Dormitory Authority, State University Educational
		Refunding Bonds, Series 1989, 6% due 5/15/2010 (i) (j)

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	5,000	New York State Dormitory Authority, State University Educational Refunding Bonds, Series 1989, 6% due 5/15/2010 (i)(j)
Pennsylvania - 1.4%	4,000	Delaware River Port Authority of Pennsylvania and New Jersey Revenue Bonds, Series 1989, 6% due 1/01/2018 (h)
Texas - 6.6%	10,000	Harris County, Texas, Health Facilities Development Corporation, Bonds (School Health Care System), Series B, 5.75% due 7/01/2027
	7,500	San Antonio, Texas, Electric and Gas Revenue Bonds, Series A, 5.75% due 7/01/2018 (i)
Washington - 5.6%	3,500	Energy Northwest, Washington, Electric Revenue Refunding Bonds (Central Station), Series A, 5.75%, due 7/01/2018 (i)
	2,250	Energy Northwest, Washington, Electric Revenue Refunding Bonds (Central Station), Series B, 6% due 7/01/2018 (b)
	10,000	Washington State, Various Purpose, GO, Series B, 6% due 1/01/2010

Total Municipal Bonds Held in Trust (Cost - \$85,988) - 29.9%		

Total Investments (Cost - \$488,088*) - 171.5%		
Other Assets Less Liabilities - 1.5%		
Liability for Trust Certificates, Including Interest Expense Payable on Preferred Stock, at Redemption Value - (59.0%)		

Net Assets Applicable to Common Stock - 100.0%		

* The cost and unrealized appreciation (depreciation) of investments as of July 31, 2007, as computed for federal income tax purposes, were as follows:

Aggregate cost	\$ 448,809
	=====
Gross unrealized appreciation	\$ 23,663
Gross unrealized depreciation	(4,264)

Net unrealized appreciation	\$ 19,399
	=====

- (a) ACA Insured.
- (b) AMBAC Insured.
- (c) Escrowed to maturity.
- (d) FGIC Insured.
- (e) FHA Insured.
- (f) FHLMC Collateralized.
- (g) FNMA/GNMA Collateralized.

BlackRock MuniVest Fund II, Inc.
 Schedule of Investments as of July 31, 2007 (Unaudited) (in Thousands)

- (h) FSA Insured.
- (i) MBIA Insured.
- (j) Prerefunded.
- (k) Radian Insured.
- (l) 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.
- (m) The rate disclosed is that currently in effect. This rate changes periodically and inversely based upon prevailing market rates.

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- (n) 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.
- (o) These securities are short-term floating rate certificates issued by tender option bond trusts and are secured by the underlying municipal bond securities.
- o Forward interest rate swaps outstanding as of July 31, 2007 were as follows:

	Notional Amount
Pay a fixed rate of 3.911% and receive a floating rate based on 1-Week Bond Market Association rate	
Broker, JPMorgan Chase Expires September 2017	\$ 6,000
Pay a fixed rate of 4.0025% and receive a floating rate based on 1-Week Bond Market Association rate	
Broker, Goldman Sachs Expires October 2017	\$ 6,000
Pay a fixed rate of 4.085% and receive a floating rate based on 1-Week Bond Market Association rate	
Broker, JPMorgan Chase Expires October 2017	\$ 11,500
Total	

Item 2 - Controls and Procedures

- 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 and 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 (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

Certifications - Attached hereto

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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/ Robert C. Doll, Jr.

Robert C. Doll, Jr.,
Chief Executive Officer (principal executive officer) of
BlackRock MuniVest Fund II, Inc.

Date: September 20, 2007

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/ Robert C. Doll, Jr.

Robert C. Doll, Jr.,
Chief Executive Officer (principal executive officer) of
BlackRock MuniVest Fund II, Inc.

Date: September 20, 2007

By: /s/ Donald C. Burke

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

Date: September 20, 2007