BLACKROCK MUNIVEST FUND II, INC. Form N-Q September 21, 2018

#### 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: John M. Perlowski, Chief Executive Officer, BlackRock MuniVest

Fund II, Inc., 55 East 52<sup>nd</sup> Street, New York, NY 10055

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

Date of fiscal year end: 04/30/2019

Date of reporting period: 07/31/2018

Item 1 Schedule of Investments

## Schedule of Investments (unaudited)

## BlackRock MuniVest Fund II, Inc. (MVT)

## July 31, 2018

## (Percentages shown are based on Net Assets)

| Security<br>Municipal Bonds 129.8%  | Par<br>(000) | Value                                   |
|---|--------------|---|
| Alabama 1.6%  |              |   |
| County of Jefferson Alabama Sewer Revenue, Refunding RB:  |              |   |
| Senior Lien, Series A (AGM), 5.00%, 10/01/44  | \$ 805       | \$ 877,812                              |
| Sub-Lien, Series D, 6.00%, 10/01/42   | 3,575        | 4,102,313                               |
|   |              | , ,                                     |
|   |              | 4,980,125                               |
| Alaska 0.1%   |              |   |
| Northern Tobacco Securitization Corp., Refunding RB, Tobacco Settlement, Asset-Backed,                                      |              |   |
| Series A, 4.63%, 06/01/23   | 230          | 230,285                                 |
|   |              |   |
| Arizona 0.5%  |              |   |
| City of Phoenix Arizona IDA, RB, Legacy Traditional Schools Projects, Series A, 5.00%,                                      |              |   |
| 07/01/46 <sup>(a)</sup>   | 1,685        | 1,729,214                               |
|   |              |   |
| Arkansas 0.9%   |              |   |
| University of Arkansas, RB, Various Facilities, Fayetteville Campus, Series A, 5.00%,                                       | 2 500        | 2 964 500                               |
| 11/01/48  | 2,500        | 2,864,500                               |
| California 15.1%  |              |   |
| California Health Facilities Financing Authority, RB:   |              |   |
| St. Joseph Health System, Series A, 5.75%, 07/01/39   | 2,200        | 2,285,756                               |
| Sutter Health, Series B, 6.00%, 08/15/20 <sup>(b)</sup>   | 3,170        | 3,457,677                               |
| California Health Facilities Financing Authority, Refunding RB, St. Joseph Health System,                                   | 5,170        | 5,757,077                               |
| Series A, 5.00%, 07/01/33   | 890          | 993,578                                 |
| California Municipal Finance Authority, ARB, Senior Lien-Linxs APM Project, AMT, 4.00%,                                     |              | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |
| 12/31/47  | 1,475        | 1,472,419                               |
| California Municipal Finance Authority, RB, Senior, Caritas Affordable Housing, Inc. Projects                               | ,            |   |
| S/F Housing, Series A:  |              |   |
| 5.25%, 08/15/39   | 145          | 158,697                                 |
| 5.25%, 08/15/49   | 370          | 402,223                                 |
| California Municipal Finance Authority, Refunding RB, Community Medical Centers, Series                                     |              |   |
| A, 5.00%, 02/01/42  | 225          | 249,100                                 |
| California Pollution Control Financing Authority, RB, Poseidon Resources (Channel Side) LP                                  |              |   |
| Desalination Project, AMT, 5.00%, 11/21/45 <sup>(a)</sup>   | 4,425        | 4,687,270                               |
|   | Par          | <b>X</b> 7 1                            |
| Security  | (000)        | Value                                   |
| California (continued)  |              |   |
| California Statewide Communities Development Authority, RB, Loma Linda University Medical Center, Series A <sup>(a)</sup> : |              |   |
| 5.00%, 12/01/41   | \$ 290       | \$ 307,513                              |
| 5.00%, 12/01/46   | 455          | 480,917                                 |
|   | 100          |   |

| City of Los Angeles California Department of Airports, ARB, Subordinate, Series C, AMT, 5.00%, 05/15/44 <sup>(c)</sup><br>City of Los Angeles California Department of Airports, Refunding ARB, Los Angeles International Airport, Series A: | 770   | 868,522    |
|--|-------|------------|
| Senior, 5.00%, 05/15/40  | 5,930 | 6,261,902  |
| 5.25%, 05/15/39  | 800   | 822,320    |
| City of Stockton California Public Financing Authority, RB, Delta Water Supply Project,  |       |            |
| Series A, 6.25%, 10/01/40  | 360   | 424,814    |
| Golden State Tobacco Securitization Corp., Refunding RB, Asset-Backed, Series A-1:   |       |            |
| Senior, 5.13%, 06/01/47  | 2,165 | 2,173,119  |
| Tobacco Settlement Bonds, 5.25%, 06/01/47  | 995   | 1,034,412  |
| San Marcos Unified School District, GO, CAB, Election of 2010, Series B, 0.00%, 08/01/42 <sup>(d)</sup>  | 2,000 | 795,300    |
| State of California, GO, Various Purposes:   |       |            |
| 6.50%, 04/01/19 <sup>(b)</sup>   | 8,085 | 8,366,762  |
| 6.00%, 03/01/33  | 2,525 | 2,698,897  |
| 6.50%, 04/01/33  | 6,840 | 7,063,531  |
| State of California Public Works Board, LRB, Various Capital Projects:   |       |            |
| Series I, 5.00%, 11/01/38  | 775   | 869,294    |
| Sub-Series I-1, 6.38%, 11/01/19 <sup>(b)</sup>   | 1,185 | 1,258,517  |
| Tobacco Securitization Authority of Southern California, Refunding RB, Tobacco Settlement,   |       |            |
| Asset-Backed, Senior Series A-1, 4.75%, 06/01/25   | 425   | 427,287    |
|  |       | 47,559,827 |
| Colorado 0.3%  |       | ,,         |
| Colorado Health Facilities Authority, RB, Catholic Health Initiatives, Series D, 6.25%,  |       |            |
| 10/01/33   | 1,060 | 1,068,321  |
|  |       |            |
| Connecticut 1.6%   |       |            |
| Connecticut State Health & Educational Facility Authority, RB, Ascension Health Senior   |       |            |
| Credit, Series A, 5.00%, 11/15/40  | 1,375 | 1,429,216  |

| Schedule of Investments (unaudited) (continued)  | BlackRock MuniVest Fund II, Inc. (MVT)                            |
|--|---|
| July 31, 2018  | (Percentages shown are based on Net Assets)                       |
| Security   | Par<br>(000) Value  |
| <b>Connecticut (continued)</b><br>Connecticut State Health & Educational Facility Authority, Refunding             | ng RB Weslevan  |
| University, Series G, 5.00%, 07/01/20 <sup>(b)</sup>   | \$ 3,385 \$ 3,598,391   |
|  | 5,027,607   |
| Delaware 2.1%  |   |
| County of Sussex Delaware, RB, NRG Energy, Inc., Indian River Po<br>10/01/40                                       | ower LLC Project, 6.00%,<br>1,125 1,195,088                       |
| Delaware Transportation Authority, RB, U.S. 301 Project, 5.00%, 06   |   |
| State of Delaware EDA, RB, Exempt Facilities, Indian River Power   |   |
| 10/01/45   | 4,065 4,236,990   |
|  | 6,705,341   |
| District of Columbia 3.9%  |   |
| District of Columbia, Refunding RB:  |   |
| Georgetown University, 5.00%, 04/01/35   | 435 495,939<br>500 563,175  |
| Georgetown University Issue, 5.00%, 04/01/42<br>Kipp Charter School, Series A,                                     | 500 563,175   |
| 6.00%, 07/01/23 <sup>(b)</sup>   | 240 284,095   |
| Metropolitan Washington Airports Authority, Refunding ARB, Dull  | es Toll Road, CAB, 2nd  |
| Senior Lien, Series B (AGC), 0.00%, 10/01/35 <sup>(d)</sup>  | 6,515 3,262,712   |
| Metropolitan Washington Airports Authority, Refunding RB, Dulles   |   |
| 1st Senior Lien, Series A, 5.25%, 10/01/44<br>CAB, 2nd Senior Lien, Series B (AGC), 0.00%, 10/01/33 <sup>(d)</sup> | 1,500 1,552,590<br>6,590 3,620,019                                |
| CAB, 2nd Senior Lien, Series B (AGC), 0.00%, 10/01/35( <sup>d</sup> )  | 4,830 2,534,301   |
|  |   |
| Florida 5.4%   | 12,312,831  |
| Celebration Pointe Community Development District, Special Asses   | sment Bonds, County of  |
| Alachua Florida <sup>(a)</sup> :   |   |
| 5.00%, 05/01/32  | 470 499,939   |
| 5.00%, 05/01/48<br>County of Broward Florida Airport System Revenue, ARB, AMT, 5                                   | .00%, 10/01/47 1,175 1,222,188<br>.00%, 10/01/47 290 324,078      |
| County of Broward Fionda Airport System Revenue, ARB, AM1, 5   | .00%, 10/01/47 290 324,078<br>Par                                 |
| Security   | (000) Value   |
| Florida (continued)  |   |
| County of Collier Florida Health Facilities Authority, Refunding RB  |   |
| 05/01/45<br>County of Collier Health Facilities Authority, RB, Moorings, Inc., S                                   | \$ 1,340 \$ 1,458,952<br>eries A, 5.00%, 05/01/48 1,190 1,316,592 |
| County of Miami-Dade Florida Aviation, Refunding ARB, Miami Ir   |   |
| Series A-1, 5.38%, 10/01/20 <sup>(b)</sup>   | 1,165 1,248,600   |
| County of Palm Beach Health Facilities Authority, RB, Acts Retirem   |   |
| Inc., 5.00%, 11/15/45  | 4,500 4,973,760   |

| Mid-Bay Florida Bridge Authority, RB, Springing Lien, Series A, 7.25%, 10/01/21 <sup>(b)</sup><br>Village Community Development District No.10, Special Assessment Bonds, 5.13%, 05/01/43 | 3,015 | 3,497,822  |
|---|-------|------------|
|   | 2,230 | 2,453,179  |
|   |       | 16,995,110 |
| Georgia 1.9%  | (00   |            |
| City of Atlanta Georgia Water & Wastewater Revenue, Refunding RB, 5.00%, 11/01/40   | 600   | 673,560    |
| County of Dalton Whitfield Joint Development Authority, RB, Hamilton Health Care System   |       |            |
| Obligation, 4.00%, 08/15/48   | 1,825 | 1,862,741  |
| County of Gainesville Georgia & Hall Hospital Authority, Refunding RB, Northeast Georgia  |       |            |
| Health System, Inc. Project, Series A (GTD), 5.50%, 08/15/54  | 515   | 589,582    |
| DeKalb Georgia Private Hospital Authority, Refunding RB, Children s Healthcare,   |       |            |
| 5.25%, 11/15/39   | 130   | 135,317    |
|   |       | ,          |

| Schedule of Investments (unaudited) (continued) Bla   | ackRock MuniVest F   | und II       | , Inc. (MVT)         |
|---|----------------------|--------------|----------------------|
| July 31, 2018 (Perc   | centages shown are b | ased or      | n Net Assets)        |
| Security<br>Georgia (continued)   |                      | Par<br>(000) | Value                |
| Glynn-Brunswick Memorial Hospital Authority, RB, Southeast Georgia Hea 5.00%, 08/01/47  | • •                  | 2,500        | \$ 2,724,825         |
|   |                      |              | 5,986,025            |
| Hawaii 0.4%<br>State of Hawaii Harbor System, RB, Series A, 5.25%, 07/01/30   |                      | 1,355        | 1,437,519            |
| Idaho 0.3%<br>Idaho Health Facilities Authority, RB, Trinity Health Credit Group, Series A  | ., 5.00%, 12/01/46   | 745          | 837,656              |
| Illinois 19.6%<br>Chicago Board of Education, GO:<br>Dedicated Revenues, Series H, 5.00%, 12/01/36  |                      | 450          | 464,540              |
| Project, Series C, 5.25%, 12/01/35  |                      | 1,465        | 1,524,845            |
| Refunding Dedicated Revenues, Series C, 5.00%, 12/01/25   |                      | 815          | 857,828              |
| Refunding Dedicated Revenues, Series F, 5.00%, 12/01/24   |                      | 615          | 646,955              |
| Refunding Dedicated Revenues, Series G, 5.00%, 12/01/34   |                      | 450          | 466,614              |
| City of Chicago Illinois, GO, Project, Series A, 5.00%, 01/01/34  |                      | 1,750        | 1,792,350            |
| City of Chicago Illinois, GO, Refunding, Project, Series A, 5.25%, 01/01/32<br>City of Chicago Illinois, Special Assessment Bonds, Lake Shore East Projec<br>City of Chicago Illinois O Hare International Airport, GARB, 3rd Lien, Ser | t, 6.75%, 12/01/32   | 4,555<br>782 | 4,800,059<br>786,309 |
| 01/01/21 <sup>(b)</sup>   |                      | 5,865        | 6,510,209            |
| City of Chicago Illinois Transit Authority, RB, Sales Tax Receipts, 5.25%, 1<br>City of Chicago Illinois Waterworks, Refunding RB:  | 2/01/40              | 1,050        | 1,119,835            |
| 2nd Lien (AGM), 5.25%, 11/01/18 <sup>(b)</sup>  |                      | 875          | 883,435              |
| 2nd Lien (AGM), 5.25%, 11/01/33   |                      | 260          | 262,002              |
| 2nd Lien Project, 5.00%, 11/01/42<br>County of Cook Illinois Community College District No. 508, GO, City Col   | lege of Chicago,     | 915          | 968,683              |
| 5.50%, 12/01/38<br>Illinois Finance Authority, RB:  |                      | 805          | 849,750              |
| Advocate Health Care Network, Series D, 6.50%, 11/01/18 <sup>(b)</sup>  |                      | 5,000        | 5,062,900            |
| Chicago LLC, University of Illinois at Chicago Project, Series A, 5.00%, 02   | /15/47               | 200          | 215,984              |
|   |                      | Par          |                      |
| Security  | (                    | 000)         | Value                |
| Illinois (continued)  |                      |              |                      |
| Illinois Finance Authority, RB (continued):<br>Chicago LLC, University of Illinois at Chicago Project, Series A, 5.00%, 02<br>Illinois Finance Authority, Refunding RB, Central Dupage Health, Series B,                                |                      | 100 \$       | \$ 107,598           |
| 11/01/19 <sup>(b)</sup><br>Metropolitan Pier & Exposition Authority, Refunding RB, McCormick Place  | 1                    | ,610         | 1,686,572            |
| Project:  | •                    |              |                      |
| Series B (AGM), 5.00%, 06/15/50   | 4                    | ,315         | 4,473,015            |

| Series B-2, 5.00%, 06/15/50   | 2,500 | 2,546,750     |
|---|-------|---------------|
| Railsplitter Tobacco Settlement Authority, RB <sup>(b)</sup> :                        |       |               |
| 5.50%, 06/01/21   | 440   | 484,334       |
| 6.00%, 06/01/21   | 1,140 | 1,270,519     |
| Regional Transportation Authority, RB:  |       |               |
| Series A (AMBAC), 7.20%, 11/01/20   | 510   | 544,241       |
| Series A (NPFGC), 6.70%, 11/01/21   | 3,325 | 3,602,504     |
| Series C (NPFGC), 7.75%, 06/01/20   | 970   | 1,042,546     |
| State of Illinois, GO:  |       |               |
| 5.00%, 02/01/39   | 1,540 | 1,590,758     |
| Series A, 5.00%, 04/01/35   | 3,000 | 3,099,240     |
| Series A, 5.00%, 04/01/38   | 3,490 | 3,592,048     |
| State of Illinois, RB, Build Illinois, Series B, 5.25%, 06/15/19 <sup>(b)</sup>       | 630   | 650,318       |
| State of Illinois Toll Highway Authority, RB, Series C:                               |       |               |
| Senior, 5.00%, 01/01/36   | 2,615 | 2,892,295     |
| 5.00%, 01/01/37   | 2,800 | 3,088,372     |
| University of Illinois, RB, Auxiliary Facilities System, Series A, 5.00%, 04/01/44    | 985   | 1,067,110     |
| Village of Hodgkins Illinois, RB, Metropolitan Biosolids Management LLC Project, AMT, |       |               |
| 6.00%, 11/01/23   | 2,800 | 2,804,256     |
|   |       | 61,754,774    |
| Indiana 4.5%  |       | 01,754,774    |
| City of Valparaiso Indiana, RB, Exempt Facilities, Pratt Paper LLC Project, AMT:      |       |               |
| 6.75%, 01/01/34   | 790   | 920,682       |
| 7.00%, 01/01/44   | 1,905 | 2,234,241     |
| Indiana Finance Authority, RB, Series A:  | 1,200 | _, , ,_ ,_ ,_ |
| CWA Authority Project, 1st Lien, 5.25%, 10/01/38                                      | 3,280 | 3,582,974     |
|   | 2,200 | 2,20=,27      |

## BlackRock MuniVest Fund II, Inc. (MVT)

## July 31, 2018

## (Percentages shown are based on Net Assets)

| Security   | Par<br>(000)        | Value                           |
|--|---------------------|---------------------------------|
| Indiana (continued)<br>Indiana Finance Authority, RB, Series A (continued):<br>Private Activity Bond, Ohio River Bridges East End Crossing Project, AMT, 5.00%, 07/01/44   |                     |                                 |
| Private Activity Bond, Ohio River Bridges East End Crossing Project, AMT, 5.00%, 07/01/48<br>Private Activity Bond, Ohio River Bridges East End Crossing Project, AMT, 5.25%, 01/01/51<br>Sisters of St. Francis Health Services, 5.25%, 11/01/19 <sup>(b)</sup> | 1,430<br>405<br>840 | 1,518,059<br>433,706<br>878,438 |
| Indiana Finance Authority, Refunding RB, Parkview Health System, Series A: 5.75%, 05/01/19 <sup>(b)</sup>  | 2,290               | 2,362,341                       |
| 5.75%, 05/01/31<br>Indianapolis Local Public Improvement Bond Bank, RB, Series A, 5.00%, 01/15/40  | 505<br>1,270        | 521,105<br>1,404,684            |
| Iowa 1.5%  |                     | 14,335,192                      |
| Iowa Finance Authority, Refunding RB, Iowa Fertilizer Co. Project:<br>Series B, 5.25%, 12/01/50 <sup>(e)</sup>   | 2,810               | 2,985,793                       |
| Midwestern Disaster Area, 5.50%, 12/01/22<br>Midwestern Disaster Area, 5.25%, 12/01/25   | 10<br>460           | 10,082<br>491,202               |
| Midwestern Disaster Area, 5.88%, 12/01/26 <sup>(a)</sup><br>Iowa Student Loan Liquidity Corp., Refunding RB, Student Loan, Senior Series A-1, AMT,   | 410                 | 430,873                         |
| 5.15%, 12/01/22  | 695                 | 724,663<br>4,642,613            |
| <b>Kentucky 1.1%</b><br>Kentucky Economic Development Finance Authority, RB, Catholic Health Initiatives,  |                     | 4,042,013                       |
| Series A, 5.25%, 01/01/45<br>Kentucky Economic Development Finance Authority, Refunding RB, Louisville Arena   | 995                 | 1,062,670                       |
| Authority, Inc. (AGM), 5.00%, 12/01/45   | 1,235<br>Par        | 1,376,123                       |
| Security Kentucky (continued)  | (000)               | Value                           |
| Kentucky Public Transportation Infrastructure Authority, RB, Downtown Crossing Project, Convertible CAB, 1st Tier, Series C, 0.00%, 07/01/43 <sup>(f)</sup>  | \$ 1,200            | \$ 1,124,856                    |
| Louisiana 3.4%   |                     | 3,563,649                       |
| Louisiana Local Government Environmental Facilities & Community Development<br>Authority, RB, Westlake Chemical Corp. Project, Series A-1, 6.50%, 11/01/35<br>Louisiana Public Facilities Authority, Refunding RB, Tulane University of Louisana Project,        | 3,320               | 3,623,548                       |
| 4.00%, 12/15/50<br>Tobacco Settlement Financing Corp., Refunding RB, Asset-Backed, Series A:   | 2,000               | 2,010,800                       |
| 5.50%, 05/15/30<br>5.25%, 05/15/31   | 1,020<br>870        | 1,071,989<br>928,882            |
| 5.25%, 05/15/32  | 1,110               | 1,202,430                       |

| 5.25%, 05/15/33<br>5.25%, 05/15/35  | 1,205<br>505 | 1,295,929<br>543,905 |
|---|--------------|----------------------|
|   |              | 10,677,483           |
| Maryland 0.8%   |              |                      |
| Maryland EDC, RB, Transportation Facilities Project, Series A, 5.75%, 06/01/20 <sup>(b)</sup> | 435          | 467,264              |
| Maryland EDC, Refunding RB, CNX Marine Terminals, Inc., 5.75%, 09/01/25                       | 750          | 781,252              |
| Maryland Health & Higher Educational Facilities Authority, RB:                                |              |                      |
| Trinity Health Credit Group, Series 2017, 5.00%, 12/01/46                                     | 420          | 474,978              |
| University of Maryland Medical System, Series B (NPFGC), 7.00%, 07/01/22 <sup>(g)</sup>       | 595          | 679,127              |
|   |              | 2,402,621            |
| Massachusetts 1.8%  |              |                      |
| Massachusetts Development Finance Agency, Refunding RB <sup>(a)</sup> :                       |              |                      |
| Covanta Energy Project, Series C, AMT, 5.25%, 11/01/42  | 2,205        | 2,222,640            |
| New Bridge Charles, Inc., 4.00%, 10/01/32   | 215          | 213,841              |
| New Bridge Charles, Inc., 4.13%, 10/01/42   | 135          | 134,074              |
| New Druge Charles, Inc., $4.1570$ , $10/01/42$  | 155          | 134,074              |

## BlackRock MuniVest Fund II, Inc. (MVT)

## July 31, 2018

## (Percentages shown are based on Net Assets)

| Security   | Par<br>(000)    | Value                   |
|--|-----------------|-------------------------|
| Massachusetts (continued)<br>Massachusetts Development Finance Agency, Refunding RB <sup>(a)</sup> (continued):<br>New Bridge Charles, Inc., 5.00%, 10/01/57<br>Massachusetts Health & Educational Facilities Authority, Refunding RB, Partners Healthcare | \$ 340          | \$ 360,230              |
| System, Series J1, 5.00%, 07/01/19 <sup>(b)</sup><br>Massachusetts HFA, Refunding RB, Series F, AMT, 5.70%, 06/01/40   | 990<br>1,660    | 1,021,413<br>1,673,296  |
|  |                 | 5,625,494               |
| Michigan 2.7%<br>City of Detroit Michigan Sewage Disposal System, Refunding RB, Senior Lien, Series A, 5.25%, 07/01/39   | 4,425           | 4,808,736               |
| Kalamazoo Hospital Finance Authority, Refunding RB, Bronson Methodist Hospital: 5.50%, 05/15/20 <sup>(b)</sup> 5.50%, 05/15/36   | 760<br>620      | 809,742<br>653,381      |
| Michigan Finance Authority, Refunding RB:<br>Detroit Water & Sewage Department Project, Senior Lien, Series C-1, 5.00%, 07/01/44<br>Henry Ford Health System, 4.00%, 11/15/46  | 880<br>1,215    | 946,537<br>1,212,898    |
|  |                 | 8,431,294               |
| Mississippi 1.4%<br>County of Lowndes Mississippi, Refunding RB, Solid Waste Disposal & Pollution Control,<br>Weyerhaeuser Co. Project, Series A, 6.80%, 04/01/22<br>University of Southern Mississippi, RB, Campus Facilities Improvements Project,       | 3,000           | 3,403,770               |
| 5.38%, 09/01/19 <sup>(b)</sup>   | 1,065           | 1,109,059               |
| Missouri 2.0%  |                 | 4,512,829               |
| Bi-State Development Agency of the Missouri-Illinois Metropolitan District, Refunding RB,<br>Combined Lien, Series A, 5.00%, 10/01/44<br>State of Missouri Health & Educational Facilities Authority, RB, Kansas City Art Institute,                       | 255             | 281,329                 |
| 5.00%, 09/01/48  | 2,610           | 2,902,555               |
| Security<br>Missouri (continued)   | Par<br>(000)    | Value                   |
| State of Missouri Health & Educational Facilities Authority, Refunding RB:<br>Mercy Health, Series C, 5.00%, 11/15/47<br>St. Louis College of Pharmacy Project, 5.50%, 05/01/43  | \$ 2,570<br>245 | \$ 2,873,260<br>262,370 |
|  |                 | 6,319,514               |
| <b>Nebraska</b> 0.8%<br>Central Plains Nebraska Energy Project, RB, Gas Project No. 3:   |                 |                         |
| 5.25%, 09/01/37<br>5.00%, 09/01/42   | 825<br>1,445    | 910,115<br>1,580,166    |

|   |       | 2,490,281 |
|---|-------|-----------|
| New Jersey 6.8%   |       |           |
| Casino Reinvestment Development Authority, Refunding RB:                                  |       |           |
| 5.25%, 11/01/39   | 1,675 | 1,795,365 |
| 5.25%, 11/01/44   | 1,525 | 1,631,964 |
| County of Essex New Jersey Improvement Authority, RB, AMT, 5.25%, 07/01/45 <sup>(a)</sup> | 1,085 | 1,095,948 |
| New Jersey EDA, RB, Continental Airlines, Inc. Project, AMT, 5.25%, 09/15/29              | 1,955 | 2,124,811 |
| New Jersey EDA, Refunding ARB, Port Network Container Terminal LLC Project, AMT,          |       |           |
| 5.00%, 10/01/47   | 1,425 | 1,527,700 |
| New Jersey EDA, Refunding, Special Assessment Bonds, Kapkowski Road Landfill Project,     |       |           |
| 5.75%, 04/01/31   | 2,240 | 2,486,154 |
| New Jersey State Turnpike Authority, RB:  |       |           |
| Series A, 5.00%, 01/01/43   | 740   | 804,809   |
| Series E, 5.00%, 01/01/45   | 2,615 | 2,897,106 |
| New Jersey Transportation Trust Fund Authority, RB:                                       |       |           |
| Transportation Program, Series AA, 5.00%, 06/15/44  | 445   | 469,720   |
| Transportation Program, Series AA, 5.00%, 06/15/44  | 825   | 864,113   |
| Transportation System, Series A, 5.50%, 06/15/41  | 1,635 | 1,709,801 |
| Transportation System, Series B, 5.25%, 06/15/36  | 2,460 | 2,564,845 |
| Tobacco Settlement Financing Corp., Refunding RB:   |       |           |
| Series A, 5.25%, 06/01/46   | 525   | 587,848   |

| Schedule of Investments (unaudited) (continued)   | BlackRock MuniVest Fund II, Inc. (MV                | T)  |
|---|---|-----|
| July 31, 2018   | Percentages shown are based on Net Asse             | ts) |
| Security<br>New Jersey (continued)  | Par<br>(000) Valu                                   | ue  |
| Tobacco Settlement Financing Corp., Refunding RB (continued):<br>Sub-Series B, 5.00%, 06/01/46  | \$ 745 \$ 798,13                                    | 33  |
|   | 21,358,31   | 17  |
| New York 17.0%<br>City of New York New York Transitional Finance Authority, RB, Fiscal<br>5.25%, 01/15/39   | 6,700 6,808,00                                      | )4  |
| City of New York Transitional Finance Authority Future Tax Secured, F<br>Sub-Series E-1, 5.00%, 02/01/42  | 1,960 2,124,48                                      | 33  |
| Counties of New York Tobacco Trust IV, Refunding RB, Settlement Par<br>Series A, 6.25%, 06/01/41 <sup>(a)</sup><br>Erie Tobacco Asset Securitization Corp., Refunding RB, Asset-Backed,   | 1,800 1,868,41                                      | 18  |
| 5.00%, 06/01/45   | 1,960 1,943,18                                      | 33  |
| Hudson Yards Infrastructure Corp., Refunding RB, Series A, 5.00%, 02/<br>Metropolitan Transportation Authority, RB, Series C:   | /15/39 920 1,045,77                                 | 73  |
| 6.50%, 11/15/18 <sup>(b)</sup>  | 7,015 7,120,85                                      |     |
| 6.50%, 11/15/18 <sup>(b)</sup>  | 580 588,75  |     |
| 6.50%, 11/15/28<br>Metropolitan Transportation Authority, Refunding RB, Series C-1, 5.25<br>Metropolitan Transportation Authority Hudson Rail Yards Trust Obligat   |   |     |
| Series A, 5.00%, 11/15/56<br>New York Counties Tobacco Trust IV, Refunding RB, Tobacco Settlem  | 1,045 1,129,42                                      | 26  |
| Bonds, Series A, 5.00%, 06/01/38<br>New York Liberty Development Corp., RB, World Trade Center Port A   | 2   |     |
| Consolidated, 5.25%, 12/15/43<br>New York Liberty Development Corp., Refunding RB:  | 10,735 11,770,39                                    |     |
| 2nd Priority, Bank of America Tower at One Bryant Park Project, Class 3 World Trade Center Project, Class 1, 5.00%, 11/15/44 <sup>(a)</sup>   | 2,860 3,017,41                                      |     |
| Security<br>New York (continued)  | Par<br>(000) Valu                                   | ле  |
| <ul> <li>New York Liberty Development Corp., Refunding RB (continued):</li> <li>World Trade Center Project, Class 2, 5.15%, 11/15/34<sup>(a)</sup></li> <li>World Trade Center Project, Class 2, 5.38%, 11/15/40<sup>(a)</sup></li> <li>Port Authority of New York &amp; New Jersey, ARB, Special Project, JFK 1</li> </ul> | \$ 340 \$ 372,88<br>850 934,69<br>International Air |     |
| Terminal LLC Project, Series 8:<br>6.00%, 12/01/36  | 1,165 1,271,12                                      | 20  |
| 6.00%, 12/01/42<br>Port Authority of New York & New Jersey, Refunding RB, Consolidate   | 1,250 1,363,26                                      |     |
| 5.00%, 11/15/47   | 1,565 1,791,03                                      | 33  |

53,504,728

| North Carolina 0.2%   |       |           |
|---|-------|-----------|
| North Carolina Medical Care Commission, Refunding RB, 1st Mortgage, Retirement          |       |           |
| Facilities Whitestone Project, Series A, 7.75%, 03/01/21 <sup>(b)</sup>                 | 595   | 681,590   |
|   |       |           |
| Ohio 1.5%   |       |           |
| Buckeye Tobacco Settlement Financing Authority, RB, Asset-Backed, Senior Turbo Term,    |       |           |
| Series A-2, 5.88%, 06/01/47   | 3,230 | 3,257,778 |
| County of Franklin Ohio, RB:  |       |           |
| Health Care Facilities Improvement, OPRS Communities Obligation Group, Series A,        |       |           |
| 6.13%, 07/01/40   | 660   | 718,047   |
| Trinity Health Credit Group, Series 2017, 5.00%, 12/01/46                               | 400   | 449,748   |
| State of Ohio, RB, Portsmouth Bypass Project, AMT, 5.00%, 06/30/53                      | 275   | 299,414   |
|   |       | ,         |
|   |       | 4,724,987 |
| Oklahoma 1.1%   |       | 1,721,907 |
| Oklahoma Development Finance Authority, RB, OU Medicine Project, Series B, 5.50%,       |       |           |
|   | 1 155 | 1 212 202 |
| 08/15/57  | 1,155 | 1,312,392 |
| Oklahoma Turnpike Authority, RB, 2nd Series C, 4.00%, 01/01/42                          | 1,950 | 2,020,473 |
|   |       |           |
|   |       | 3,332,865 |
| Pennsylvania 2.7%   |       |           |
| City of Philadelphia Pennsylvania Airport Revenue, Refunding ARB, AMT, Series B, 5.00%, |       |           |
| 07/01/47  | 445   | 492,847   |

## BlackRock MuniVest Fund II, Inc. (MVT)

## July 31, 2018

## (Percentages shown are based on Net Assets)

|  | Par          |              |
|--|--------------|--------------|
| Security   | (000)        | Value        |
| Pennsylvania (continued)   |              |              |
| City of Philadelphia Pennsylvania Hospitals & Higher Education Facilities Authority, RB,     |              |              |
| Temple University Health System, Series A, 5.63%, 07/01/42                                   | \$ 635       | \$ 685,622   |
| Commonwealth Financing Authority, RB, Tobacco Master Settlement Payment:                     |              |              |
| 5.00%, 06/01/33  | 100          | 112,293      |
| 5.00%, 06/01/34  | 135          | 151,119      |
| County of Montgomery Higher Education & Health Authority, Refunding RB, Thomas               |              |              |
| Jefferson University, Series A:  |              |              |
| 4.00%, 09/01/49  | 555          | 554,983      |
| 5.00%, 09/01/43  | 1,220        | 1,362,191    |
| Pennsylvania Economic Development Financing Authority, RB:                                   |              |              |
| AMT, 5.00%, 06/30/42   | 850          | 923,338      |
| Aqua Pennsylvania, Inc. Project, Series B, 5.00%, 11/15/40                                   | 1,890        | 1,960,837    |
| Pennsylvania Economic Development Financing Authority, Refunding RB, National Gypsum         |              |              |
| Co., AMT, 5.50%, 11/01/44  | 1,035        | 1,091,325    |
| Pennsylvania Turnpike Commission, RB, Series A, 5.00%, 12/01/44                              | 1,105        | 1,211,478    |
|  |              |              |
|  |              | 8,546,033    |
| Puerto Rico 1.2%   |              |              |
| Children s Trust Fund, Refunding RB, Tobacco Settlement Asset-Backed Bonds:                  |              |              |
| 5.50%, 05/15/39  | 1,855        | 1,867,095    |
| 5.63%, 05/15/43  | 1,770        | 1,785,434    |
|  | ,            | , , -        |
|  |              | 3,652,529    |
| Rhode Island 2.1%  |              | - ) )        |
| Tobacco Settlement Financing Corp., Refunding RB:  |              |              |
| Series A, 5.00%, 06/01/35  | 820          | 882,755      |
| Series B, 4.50%, 06/01/45  | 2,645        | 2,693,139    |
| Series B, 5.00%, 06/01/50  | 2,945        | 3,072,813    |
| 50105 2, 5100 /0, 00/01/20   | 2,210        | 2,072,012    |
|  |              | 6,648,707    |
| South Carolina 4.8%  |              | 0,010,707    |
| State of South Carolina Ports Authority, ARB:  |              |              |
| 5.25%, 07/01/20 <sup>(b)</sup>   | 3,280        | 3,498,940    |
| AMT, 5.25%, 07/01/55   | 1,295        | 1,436,414    |
| State of South Carolina Public Service Authority, RB, Santee Cooper, Series A, 5.50%,        | 1,275        | 1,430,414    |
| 12/01/54   | 6,180        | 6,731,194    |
| 12/01/54   | 0,100<br>Par | 0,751,174    |
| Security   | (000)        | Value        |
| South Carolina (continued)   | (000)        | vuine        |
| State of South Carolina Public Service Authority, Refunding RB, Series E, 5.25%, 12/01/55    | \$3125       | \$ 3,389,970 |
| State of South Carolina I ubite Service Authority, Refutiuling RD, Series E, 5.25%, 12/01/55 | φ 5,155 .    | ¥ 3,303,370  |
|  |              | 15 056 518   |

15,056,518

## Tennessee 0.6%

| City of Chattanooga Health Educational & Housing Facility Board, RB, Catholic Health                 |       |           |
|--|-------|-----------|
| Initiatives, Series A, 5.25%, 01/01/45   | 995   | 1,062,670 |
| County of Nashville & Davidson Metropolitan Government Health & Educational Facilities               |       |           |
| Board, RB, Vanderbilt University Medical Center, Series A, 5.00%, 07/01/40                           | 690   | 761,988   |
|  |       |           |
|  |       | 1,824,658 |
| Texas 9.2%   |       |           |
| Central Texas Regional Mobility Authority, Refunding RB, Senior Lien, 6.25%, 01/01/21 <sup>(b)</sup> | 2,140 | 2,357,509 |
| City of Houston Texas Airport System, Refunding ARB, United Airlines, Inc. Terminal E                |       |           |
| Project, AMT, 5.00%, 07/01/29  | 965   | 1,043,300 |
| Clifton Higher Education Finance Corp., RB, Idea Public Schools, 6.00%, 08/15/43                     | 745   | 828,850   |
| County of Harris Texas Cultural Education Facilities Finance Corp., RB, 1st Mortgage,                |       |           |
| Brazos Presbyterian Homes, Inc. Project, Series B, 7.00%, 01/01/23 <sup>(b)</sup>                    | 455   | 548,293   |
| County of Harris Texas Health Facilities Development Corp., Refunding RB, Memorial                   |       |           |
| Hermann Healthcare System, Series B, 7.25%, 12/01/18 <sup>(b)</sup>                                  | 2,000 | 2,039,000 |
| County of Tarrant Texas Cultural Education Facilities Finance Corp., Refunding RB, Trinity           |       |           |
| Terrace Project, 5.00%, 10/01/49   | 1,000 | 1,060,260 |
| Dallas-Fort Worth Texas International Airport, Refunding ARB, AMT, Series E, 5.00%,                  |       |           |
| 11/01/32   | 4,135 | 4,386,408 |
| Fort Bend County Industrial Development Corp., RB, NRG Energy Inc. Project, Series B,                | ·     |           |
| 4.75%, 11/01/42  | 670   | 684,680   |
| North Texas Tollway Authority, Refunding RB, Series A:   |       |           |
| 1st Tier System, 6.25%, 01/01/19 <sup>(b)</sup>  | 5,690 | 5,805,052 |
| 1st Tier System, 6.25%, 01/01/39   | 1,310 | 1,333,790 |
|  | -     | . ,       |

## BlackRock MuniVest Fund II, Inc. (MVT)

## July 31, 2018

## (Percentages shown are based on Net Assets)

| Security<br>Texas (continued)  | Par<br>(000)    | Value                     |
|--|-----------------|---------------------------|
| North Texas Tollway Authority, Refunding RB, Series A (continued):<br>5.00%, 01/01/38<br>San Antonio Water System, Refunding RB, Junior Lien, Series A, 5.00%, 05/15/48  | \$ 925<br>2,470 | \$ 1,024,789<br>2,820,839 |
| Texas Private Activity Bond Surface Transportation Corp., RB, Senior Lien:<br>LBJ Infrastructure Group LLC, 7.00%, 06/30/40  | 2,000           | 2,166,880                 |
| NTE Mobility Partners LLC, North Tarrant Express Managed Lanes Project, 6.88%, 12/31/39  | 2,113           | 2,946,134<br>29,045,784   |
| Utah 1.2%<br>City of Riverton Utah, RB, IHC Health Services, Inc., 5.00%, 08/15/19 <sup>(b)</sup><br>Salt Lake City Corp. Airport RevenueSalt Lake City Corp. Airport Revenue, ARB, Series A,  | 2,780           | 2,878,189                 |
| AMT, 5.00%, 07/01/47   | 915             | 1,020,033                 |
| Virginia 1.9%  |                 | 3,898,222                 |
| Hampton Roads Transportation Accountability Commission, RB, Transportation Fund, Senio<br>Lien, Series A, 5.50%, 07/01/57<br>Lexington Industrial Development Authority, RB, Kendal st Lexington, Series A, 5.00%,   | r<br>1,095      | 1,303,192                 |
| 01/01/48<br>Virginia Small Business Financing Authority, RB, Senior Lien, Elizabeth River Crossings  | 820             | 881,148                   |
| OpCo LLC Project, AMT:<br>5.25%, 01/01/32<br>6.00%, 01/01/37   | 1,615<br>1,940  | 1,739,533<br>2,145,795    |
| Washington 2.7%  |                 | 6,069,668                 |
| Port of Seattle Washington, ARB, Intermediate Lien, Series C, AMT, 5.00%, 05/01/42<br>Port of Seattle Washington, RB, Intermediate Lien, Series C, AMT, 5.00%, 04/01/40<br>Washington Health Care Facilities Authority, RB, Catholic Health Initiatives, Series A, | 1,465<br>755    | 1,635,130<br>826,023      |
| 5.75%, 01/01/45  | 2,290<br>Par    | 2,504,848                 |
| Security<br>Washington (continued)<br>Washington Health Care Facilities Authority, Refunding RB, Catholic Health Initiatives,  | (000)           | Value                     |
| Series D, 6.38%, 10/01/36  | \$3,700         | \$ 3,724,938              |
| Wisconsin 3.1%   |                 | 8,690,939                 |
| State of Wisconsin, Refunding RB, Series A, 6.00%, 05/01/19 <sup>(b)</sup><br>State of Wisconsin Health & Educational Facilities Authority, RB, Ascension Health Senior  | 7,100           | 7,340,122                 |
| Credit Group, Series E, 5.00%, 11/15/33  | 2,465           | 2,558,990                 |

|  |       | 9,899,112   |
|--|-------|-------------|
| Total Municipal Bonds 129.8%<br>(Cost \$387,583,641)   |       | 409,424,762 |
| Municipal Bonds Transferred to Tender Option   |       |             |
| Bond Trusts <sup>(h)</sup> 30.9%   |       |             |
| California 7.5%  |       |             |
| Bay Area Toll Authority, Refunding RB, San Francisco Bay Area:   |       |             |
| Toll Bridge, 4.00%, 04/01/42 <sup>(i)</sup>  | 3,056 | 3,203,954   |
| Series F-1, 5.63%, 04/01/19 <sup>(b)</sup>   | 3,271 | 3,365,034   |
| California Educational Facilities Authority, RB, University of Southern California, Series B, 5.25%, 10/01/18 <sup>(b)(i)</sup>    | 2,609 | 2,626,031   |
| City & County of San Francisco California Public Utilities Commission, RB, Water Revenue, Series B, 5.00%, 11/01/19 <sup>(b)</sup> | 9,480 | 9,899,806   |
| Sacramento Area Flood Control Agency, Refunding, Consolidated Capital Assessment District No. 2 Bonds, 5.00%, 10/01/47             | 3,075 | 3,492,488   |

| Schedule of Investments (unaudited) (continued)  | BlackRock MuniVest Fund                  | II, Inc. (MVT)                      |
|--|--|-------------------------------------|
| July 31, 2018 (P   | ercentages shown are based               | on Net Assets)                      |
| Security<br>California (continued)   | Par<br>(000)                             | Value                               |
| San Diego California Community College District, GO, Election of 2002,   | , 5.25%, 08/01/19 <sup>(b)</sup> \$1,077 | \$ 1,117,819                        |
| Calarada 0.70  |  | 23,705,132                          |
| <b>Colorado 0.7%</b><br>Colorado Health Facilities Authority, Refunding RB, Catholic Health Init 5.50%, 07/01/34 <sup>(i)</sup>  | iatives, Series A,<br>2,129              | 2,184,475                           |
| <b>Florida 1.9%</b><br>County of Miami-Dade Florida, RB, Water & Sewer System, 5.00%, 10/0   | )1/20 <sup>(b)</sup> 5,679               | 6,076,651                           |
| <b>Illinois 1.1%</b><br>Illinois Finance Authority, Refunding RB, Presence Health Network, Seri 02/15/41   | ies C, 4.00%,<br>3,225                   | 3,310,205                           |
| Massachusetts 1.4%<br>Commonwealth of Massachusetts Transportation Fund Revenue, RB, Rai<br>Program, Series A, 4.00%, 06/01/45<br>Massachusetts School Building Authority, RB, Senior, Series B, 5.00%, 1  | 2,042                                    | 2,094,863<br>2,439,619              |
|  |  | 4,534,482                           |
| <b>New Hampshire</b> 0.7%<br>New Hampshire Health & Education Facilities Authority, RB, Dartmouth 5.25%, 06/01/19 <sup>(b)(i)</sup>  | College, 2,009                           | 2,071,013                           |
| <b>New York 4.3%</b><br>City of New York Municipal Water Finance Authority, Refunding RB, W<br>System, 2nd General Resolution, Series FF-2, 5.50%, 06/15/40<br>Hudson Yards Infrastructure Corp., RB, Fiscal 2012, Series A, 5.75%, 02<br>New York Liberty Development Corp., Refunding RB, 4 World Trade Ce<br>5.75%, 11/15/51 <sup>(i)</sup> | 1,575 1,610 1,610                        | 1,626,350<br>1,760,578<br>7,155,127 |
| Security   | Par<br>(000)                             | Value                               |
| <b>New Yor (continued)</b><br>Port Authority of New York & New Jersey, Refunding ARB, 194th Series   |  |                                     |
|  |  | 13,497,933                          |
| North Carolina 0.9%<br>North Carolina Capital Facilities Finance Agency, Refunding RB, Duke U<br>Series B, 5.00%, 10/01/55   | Jniversity Project,<br>2,550             | 2,861,470                           |
| Ohio 4.5%  | 13,843                                   | 14,078,141                          |

State of Ohio, Refunding RB, Cleveland Clinic Health System Obligated Group, Series A, 5.50%,  $01/01/19^{(b)}$ 

#### Pennsylvania 0.8%

| Pennsylvania Turnpike Commission, RB, Sub-Series A, 5.50%, 12/01/42                     | 2,340 | 2,672,483    |
|---|-------|--------------|
| Rhode Island 0.5%   |       |              |
| Narragansett Bay Commission, Refunding RB, Wastewater System, Series A, 4.00%,          | 1 520 | 1 5 10 5 1 0 |
| 09/01/43  | 1,530 | 1,548,513    |
| South Carolina 1.6%   |       |              |
| South Carolina Public Service Authority, Refunding RB, Series A <sup>(b)(i)</sup> :     |       |              |
| 5.50%, 01/01/19   | 398   | 404,790      |
| 5.50%, 01/01/19   | 4,603 | 4,680,513    |
|   |       | 5,085,303    |
| Texas 3.3%  |       | , ,          |
| City of San Antonio Texas Electric and Gas Systems, RB, Junior Lien, 5.00%, 02/01/43    | 2,520 | 2,751,311    |
| County of Harris Texas Metropolitan Transit Authority, Refunding RB, Series A,          |       |              |
| 5.00%, 11/01/41   | 3,400 | 3,680,772    |
| Lower Colorado River Authority, Refunding RB, LCRA Transmission Services Corporation    |       |              |
| Project, 4.00%, 05/15/43  | 2,030 | 2,049,514    |
| University of Texas, Refunding RB, Financing System, Series B, 5.00%, 08/15/43          | 1,831 | 2,004,789    |
|   |       | 10,486,386   |
| Wisconsin 1.7%  |       | -, -,        |
| State of Wisconsin Health & Educational Facilities Authority, Refunding RB, The Medical |       |              |
| College of Wisconsin, Inc., 4.00%, 12/01/46   | 2,833 | 2,863,069    |

| Schedule of Investments (unaudited) (continued)   | BlackRock MuniVest Fund II, Inc. (MVT)      |   |  |
|---|---|---|--|
| July 31, 2018   | (Percentages shown are based on Net Assets) |   |  |
| Security<br>Wisconsin (continued)   | Par<br>(000)                                | Value   |  |
| Wisconsin Health & Educational Facilities Authority, Refunding RB, F<br>Community Health, Inc., Obligated Group, Series C, 5.25%, 04/01/19 <sup>(b)</sup>   |   | \$ 2,561,757  |  |
|   |   | 5,424,826   |  |
| Total Municipal Bonds Transferred to Tender Option<br>Bond Trusts 30.9%<br>(Cost \$94,316,485)  |   | 97,537,013  |  |
| Total Long-Term Investments 160.7%<br>(Cost \$481,900,126)  |   | 506,961,775   |  |
| Security  | Shares                                      | Value   |  |
| Short-Term Securities 1.1%<br>BlackRock Liquidity Funds, MuniCash, Institutional Class, 0.85% <sup>(j)(k)</sup>   | 3,618,182                                   | \$ 3,618,906  |  |
| Total Short-Term Securities 1.1%<br>(Cost \$3,618,182)  |   | 3,618,906   |  |
| Total Investments 161.8%<br>(Cost \$485,518,308)<br>Other Assets Less Liabilities 0.9%<br>Liability for TOB Trust Certificates, Including Interest Expense ar<br>VMTP Shares at Liquidation Value (44.4)% | nd Fees Payable (18.3)%                     | 510,580,681<br>2,603,622<br>(57,690,581)<br>(140,000,000) |  |
| Net Assets Applicable to Common Shares 100.0%   | S   | \$ 315,493,722  |  |

<sup>(a)</sup> Security exempt from registration pursuant to Rule 144A under the Securities Act of 1933, as amended. These securities may be resold in transactions exempt from registration to qualified institutional investors.

<sup>(b)</sup> U.S. Government securities, held in escrow, are used to pay interest on this security, as well as to retire the bond in full at the date indicated, typically at a premium to par.

<sup>(c)</sup> When-issued security.

<sup>(d)</sup> Zero-coupon bond.

<sup>(e)</sup> Variable or floating rate security, which interest rate adjusts periodically based on changes in current interest rates and prepayments on the underlying pool of assets. Rate shown is the rate in effect as of period end.

<sup>(f)</sup> Step-up bond that pays an initial coupon rate for the first period and then a higher coupon rate for the following periods. Rate as of period end.

<sup>(g)</sup> Security is collateralized by municipal bonds or U.S. Treasury obligations.

(h)

Represent bonds transferred to a TOB Trust in exchange of cash and residual certificates received by the Fund. These bonds serve as collateral in a secured borrowing.

- (i) All or a portion of security is subject to a recourse agreement. The aggregate maximum potential amount the Fund could ultimately be required to pay under the agreements, which expire between October 1, 2018 to January 1, 2038, is \$15,744,274.
- <sup>(j)</sup> Annualized 7-day yield as of period end.
- (k) During the period ended July 31, 2018, investments in issuers considered to be an affiliate of the Fund for purposes of Section 2(a)(3) of the Investment Company Act of 1940, as amended, were as follows:

|                               |          |           |           |             | Change                    | 2 |
|-------------------------------|----------|-----------|-----------|-------------|---------------------------|---|
|                               |          |           |           |             | Net ir                    | ı |
|                               | Shares   |           | Shares    |             | RealizedUnrealized        | l |
|                               | Held at  | Net       | Held at   | Value at    | Gamppreciation            | ı |
| Affiliate                     | 04/30/18 | Activity  | 07/31/18  | 07/31/18    | Income(Loss()Depreciation | ) |
| BlackRock Liquidity Funds,    |          |           |           |             |                           |   |
| MuniCash, Institutional Class | 986,303  | 2,631,879 | 3,618,182 | \$3,618,906 | \$28,129 \$ 725 \$ 724    | 1 |

<sup>(a)</sup> Includes net capital gain distributions, if applicable.

## BlackRock MuniVest Fund II, Inc. (MVT)

July 31, 2018

#### **Portfolio Abbreviations**

| ACC          | Assumed Cuementes Com                         |
|--------------|---|
| AGC          | Assured Guarantee Corp.                       |
| AGM          | Assured Guaranty Municipal Corp.              |
| AMBAC        | American Municipal Bond Assurance Corp.       |
| AMT          | Alternative Minimum Tax (subject to)          |
| ARB          | Airport Revenue Bonds                         |
| CAB          | Capital Appreciation Bonds                    |
| EDA          | Economic Development Authority                |
| EDC          | Economic Development Corp.                    |
| GARB         | General Airport Revenue Bonds                 |
| GO           | General Obligation Bonds                      |
| GTD          | Guaranteed                                    |
| HFA          | Housing Finance Agency                        |
| IDA          | Industrial Development Authority              |
| LRB          | Lease Revenue Bonds                           |
| NPFGC        | National Public Finance Guarantee Corp.       |
| RB           | Revenue Bonds                                 |
| S/F          | Single-Family                                 |
| Derivative F | inancial Instruments Outstanding as of Period |

#### Derivative Financial Instruments Outstanding as of Period End

#### **Futures Contracts**

| Description   | Number of<br>Contracts | Expiration<br>Date   | Notional<br>unt (000) | App | Value /<br>Inrealized<br>preciation<br>reciation) |
|---|------------------------|----------------------|-----------------------|-----|---|
| Short Contracts:<br>10-Year U.S. Treasury Note<br>Long U.S. Treasury Bond | 32<br>93               | 09/19/18<br>09/19/18 | \$<br>3,822<br>13,296 | \$  | 7,281<br>(38,256)                                 |
| 5-Year U.S. Treasury Note   | 29                     | 09/28/18             | 3,281                 |     | 2,214   |

(28,761)

\$

11

BlackRock MuniVest Fund II, Inc. (MVT)

July 31, 2018

#### Fair Value Hierarchy as of Period End

Various inputs are used in determining the fair value of investments and derivative financial instruments. These inputs to valuation techniques are categorized into a fair value hierarchy consisting of three broad levels for financial reporting purposes as follows:

Level 1 Unadjusted quoted prices in active markets/exchanges for identical assets or liabilities that Fund has the ability to access

Level 2 Other observable inputs (including, but not limited to, quoted prices for similar assets or liabilities in markets that are active, quoted prices for identical or similar assets or liabilities in markets that are not active, inputs other than quoted prices that are observable for the assets or liabilities (such as interest rates, yield curves, volatilities, prepayment speeds, loss severities, credit risks and default rates) or other market-corroborated inputs)

Level 3 Unobservable inputs based on the best information available in the circumstances, to the extent observable inputs are not available (including Fund s own assumptions used in determining the fair value of investments and derivative financial instruments)

The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1 measurements) and the lowest priority to unobservable inputs (Level 3 measurements). Accordingly, the degree of judgment exercised in determining fair value is greatest for instruments categorized in Level 3. The inputs used to measure fair value may fall into different levels of the fair value hierarchy. In such cases, for disclosure purposes, the fair value hierarchy classification is determined based on the lowest level input that is significant to the fair value measurement in its entirety. Investments classified within Level 3 have significant unobservable inputs used by the BlackRock Global Valuation Methodologies Committee (the Global Valuation Committee ) in determining the price for Fair Valued Investments. Level 3 investments include equity or debt issued by privately held companies or funds. There may not be a secondary market, and/or there are a limited number of investors. Level 3 investments may also be adjusted to reflect illiquidity and/or non-transferability, with the amount of such discount estimated by the Global Valuation Committee in the absence of market information.

Changes in valuation techniques may result in transfers into or out of an assigned level within the hierarchy. In accordance with each Fund s policy, transfers between different levels of the fair value hierarchy are deemed to have occurred as of the beginning of the reporting period. The categorization of a value determined for investments and derivative financial instruments is based on the pricing transparency of the investments and derivative financial instruments and is not necessarily an indication of the risks associated with investing in those securities. For information about the Fund s policy regarding valuation of investments and derivative financial instruments, refer to the Fund s most recent financial statements as contained in its annual report.

The following tables summarize the Fund s investments and derivative financial instruments categorized in the disclosure hierarchy:

|   |     | Level 1   | Level 2        | Level 3 |        | Total     |
|---|-----|-----------|----------------|---------|--------|-----------|
| Assets:   |     |           |                |         |        |           |
| Investments:                                    |     |           |                |         |        |           |
| Long-Term Investments <sup>(a)</sup>            | \$  |           | \$506,961,775  | \$      | \$ 500 | 5,961,775 |
| Short-Term Securities                           | 3   | ,618,906  |                |         | -      | 3,618,906 |
|   | \$3 | ,618,906  | \$ 506,961,775 | \$      | \$510  | 0,580,681 |
| Derivative Financial Instruments <sup>(b)</sup> |     |           |                |         |        |           |
| Assets:   | ¢   | 0.405     | ¢              | ¢       | ¢      | 0.405     |
| Interest rate contracts                         | \$  | 9,495     | \$             | \$      | \$     | 9,495     |
| Liabilities:                                    |     | (20.25()) |                |         |        | (20.25()) |
| Interest rate contracts                         |     | (38,256)  |                |         |        | (38,256)  |
|   | \$  | (28,761)  | \$             | \$      | \$     | (28,761)  |

<sup>(a)</sup> See above Schedule of Investments for values in each state or political subdivision.

<sup>(b)</sup> Derivative financial instruments are futures contracts which are valued at the unrealized appreciation (depreciation) on the instrument.

The Fund may hold assets and/or liabilities in which the fair value approximates the carrying amount for financial statement purposes. As of year end, such assets and/or liabilities are categorized within the disclosure hierarchy as follows:

|  | Level 1 | Level 2                          | Level 3 | Total                            |
|--|---------|----------------------------------|---------|----------------------------------|
| Liabilities:<br>TOB Trust Certificates<br>VMTP Shares at Liquidation Value | \$      | \$ (57,546,388)<br>(140,000,000) | \$      | \$ (57,546,388)<br>(140,000,000) |
| VIVITI Shares at Elquidation Value   | ¢       |                                  | ¢       |                                  |
|  | \$      | \$ (197,546,388)                 | Ф       | \$ (197,546,388)                 |

During the period ended July 31, 2018, there were no transfers between levels.

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 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/ John M. Perlowski

John M. Perlowski

Chief Executive Officer (principal executive officer) of

BlackRock MuniVest Fund II, Inc.

Date: September 20, 2018

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/ John M. Perlowski

John M. Perlowski

Chief Executive Officer (principal executive officer) of

BlackRock MuniVest Fund II, Inc.

Date: September 20, 2018

By: <u>/s/ Neal J. Andrews</u>

Neal J. Andrews

Chief Financial Officer (principal financial officer) of

BlackRock MuniVest Fund II, Inc.

Date: September 20, 2018