

BLACKROCK MUNIVEST FUND INC

Form NSAR-A/A

April 29, 2011

PAGE 1  
000 A000000 02/28/2011  
000 C000000 0000835948  
000 D000000 N  
000 E000000 NF  
000 F000000 Y  
000 G000000 Y  
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000 I000000 6.1  
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001 A000000 BLACKROCK MUNIVEST FUND, INC.  
001 B000000 811-05611  
001 C000000 8004417762  
002 A000000 100 BELLEVUE PARKWAY  
002 B000000 WILMINGTON  
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008 A000001 BLACKROCK ADVISORS, LLC  
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008 D010001 WILMINGTON  
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008 A000002 BLACKROCK INVESTMENT MANAGEMENT, LLC  
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008 C000002 801-56972  
008 D010002 PLAINSBORO  
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008 D030002 08536  
012 A000001 BNY MELLON SHAREOWNER SERVICES (COMMON)  
012 B000001 85-05006  
012 C010001 JERSEY CITY  
012 C020001 NJ  
012 C030001 07310  
012 A000002 THE BANK OF NEW YORK MELLON (PREFERRED)  
012 B000002 85-05006  
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012 C010002 NEW YORK  
012 C020002 NY  
012 C030002 10286  
013 A000001 DELOITTE & TOUCHE LLP  
013 B010001 PRINCETON  
013 B020001 NJ

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013 B030001 08540  
014 A000001 BLACKROCK CAPITAL MARKETS, LLC  
014 B000001 8-67827  
014 A000002 BLACKROCK EXECUTION SERVICES  
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014 A000003 BLACKROCK FUND DISTRIBUTION COMPANY  
014 B000003 8-67795  
014 A000004 BLACKROCK INVESTMENTS, LLC  
014 B000004 8-48436  
014 A000005 HARRIS WILLIAMS LLC  
014 B000005 8-53380  
014 A000006 PNC CAPITAL MARKETS, INC.  
014 B000006 8-32493  
014 A000007 PNC INVESTMENTS LLC  
014 B000007 8-66195  
015 A000001 THE BANK OF NEW YORK MELLON  
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015 A000002 J.P. MORGAN CHASE BANK  
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022 A000002 CITIGROUP GLOBAL MARKETS, INC.  
022 B000002 11-2418191  
022 C000002 16379  
022 D000002 28634  
022 A000003 J.P. MORGAN SECURITIES INC.  
022 B000003 13-3299429  
022 C000003 21965  
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022 A000004 BARCLAYS CAPITAL INC.  
022 C000004 15412  
022 D000004 1391

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022 A000005 GOLDMAN, SACHS & CO.  
 022 B000005 13-5108880  
 022 C000005 3533  
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 022 A000006 WELLS FARGO ADVISORS, LLC  
 022 B000006 54-0796506  
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 022 A000007 MORGAN STANLEY & CO. INCORPORATED  
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 022 A000009 JEFFERIES & COMPANY, INC.  
 022 B000009 95-2622990  
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 022 A000010 MERRILL LYNCH, PIERCE, FENNER & SMITH INC.  
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087 A020000 09253R105  
087 A030000 MVF  
087 B010000 PREFERRED STOCK  
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088 B000000 N  
088 C000000 N  
088 D000000 Y  
SIGNATURE NEAL J. ANDREWS  
TITLE CFO