

2016

Important Tax Information for Open-End Funds

This Booklet is a summary of useful tax information for certain Open-End mutual funds. It will assist you, as an investor, in the preparation of your 2016 Federal and state income tax returns.

We recommend that you consult your tax advisor for assistance with how this information will impact your specific tax situation.

Multi-State Municipal Funds

The information below summarizes the percentage of exempt interest income received by various BlackRock Open-End Funds on a state-by-state basis. These percentages may be useful in completing your state tax return. In addition, the percentage of income that represents a tax preference item (relating to tax-exempt interest income from certain private activity bonds) for Federal Alternative Minimum Tax purposes is included for each Fund. Your portion of the exempt interest income has been included on your Form 1099-DIV. Some states require a minimum percentage of home state bonds to permit the state tax exemption. **Shareholders are urged to consult with their tax advisor concerning the application of this information.**

Percentage of Exempt Interest Income Derived by State

State/Jurisdiction	BlackRock Allocation Target Shares-Series E Portfolio	BlackRock High Yield Municipal Fund	BlackRock Municipal Money Market Portfolio (1)	BlackRock National Municipal Fund	BlackRock Short-Term Municipal Fund	BlackRock Strategic Municipal Opportunities Fund	BIF Tax-Exempt Fund & BBIF Tax-Exempt Fund (2)
Alabama	1.89	1.99	0.40	1.76	0.02	1.10	1.94
Alaska	0.54	0.31	0.05	0.17	—	0.52	0.06
Arizona	1.23	1.28	1.69	1.88	2.15	2.85	0.62
Arkansas	0.51	0.20	—	0.06	—	0.02	0.08
California	12.68	8.75	4.71	18.50	11.88	15.93	1.24
Colorado	3.05	4.56	0.41	0.15	0.84	1.26	0.12
Connecticut	0.90	0.90	0.19	0.42	2.09	1.74	0.57
Delaware	0.44	0.76	0.09	0.78	0.12	0.36	—
District of Columbia	0.21	0.81	0.10	2.68	1.18	0.89	0.27
Florida	4.91	6.74	1.51	7.79	6.72	5.12	3.74
Georgia	0.56	0.44	0.06	1.92	0.96	1.49	0.47
Guam	—	0.95	0.05	—	—	0.07	—
Hawaii	0.23	0.18	—	—	—	0.50	—
Idaho	0.45	0.31	—	—	—	0.07	—
Illinois	5.90	5.36	5.92	9.53	4.21	2.05	4.19
Indiana	1.53	1.99	2.45	4.27	0.36	1.01	4.27
Iowa	1.04	2.79	10.13	1.75	0.98	1.50	5.10
Kansas	—	0.12	0.21	0.01	—	0.02	0.29
Kentucky	0.22	0.61	0.07	—	1.96	0.45	—
Louisiana	0.28	1.62	2.13	1.11	0.14	0.36	5.13
Maine	—	0.20	0.01	0.43	0.38	0.28	—
Maryland	1.02	1.05	1.83	0.41	0.06	1.96	1.74
Massachusetts	2.16	2.66	4.69	1.80	6.36	3.74	4.15
Michigan	2.39	1.23	3.03	1.77	1.02	1.26	3.53
Minnesota	1.69	0.87	0.26	0.54	—	2.14	0.50
Mississippi	—	—	1.10	0.04	—	—	2.06
Missouri	1.62	1.13	0.08	0.03	0.37	2.20	0.48
Montana	—	—	—	—	—	—	—
Nebraska	0.74	0.29	0.18	0.50	0.07	0.02	0.48
Nevada	—	0.14	0.24	2.38	3.31	1.11	0.20
New Hampshire	—	0.07	0.74	0.31	0.13	0.18	0.15
New Jersey	8.23	5.28	9.14	4.92	5.05	5.35	3.16
New Mexico	0.38	0.31	—	0.01	0.87	0.03	0.18
New York	16.26	15.54	15.08	12.14	20.11	17.73	20.54
North Carolina	1.51	1.20	3.52	0.35	1.11	2.13	2.62
North Dakota	—	—	0.03	—	—	0.02	0.04
Ohio	2.87	4.27	8.16	1.66	3.34	3.27	0.85
Oklahoma	0.59	0.25	0.12	—	0.63	0.85	1.08
Oregon	0.71	0.30	0.02	0.04	3.18	1.04	0.20
Pennsylvania	5.02	4.60	5.89	2.16	3.69	3.16	2.99
Puerto Rico	1.78	1.48	0.07	—	—	0.85	—
Rhode Island	1.72	2.12	0.46	—	0.78	0.19	0.38
South Carolina	2.17	1.72	0.04	1.35	—	1.12	0.51
South Dakota	—	—	0.02	—	—	0.01	—
Tennessee	0.24	0.07	0.30	—	2.26	0.36	0.86
Texas	5.13	6.81	6.78	11.01	7.70	6.52	15.48
Utah	1.13	0.78	5.07	1.20	0.90	0.59	3.30
Vermont	—	—	—	0.01	—	0.11	0.01
Virgin Islands	—	—	0.04	—	—	—	—
Virginia	1.89	3.33	2.23	1.21	0.95	2.11	2.43
Washington	2.41	1.77	0.05	2.40	3.69	2.63	2.17
West Virginia	—	—	0.01	—	—	0.09	0.67
Wisconsin	1.77	1.86	0.64	0.55	0.43	1.64	0.54
Wyoming	—	—	—	—	—	—	0.61
AMT Percentage	10.30%	10.30%	26.22%	7.45%	4.84%	12.78%	17.59%

(1) Fund liquidated on April 29, 2016

(2) Fund liquidated on July 15, 2016

Federal Obligations Table

Certain BlackRock Open-End Funds invest in obligations of the United States and obligations guaranteed by the United States or an agency or instrumentality of the United States ("Federal Obligations"). The information below summarizes the percentage of income received by various BlackRock Funds from Federal Obligations. State law varies as to what percentage of dividend income attributable to Federal Obligations is exempt from State income tax. **We recommend that you consult your tax advisor to determine if any portion of the dividends you received is exempt from State income tax.**

Fund Name	Percentage of Ordinary Income Derived from Federal Obligations ⁽¹⁾
BlackRock Allocation Target Shares: Series C Portfolio	2.59
BlackRock Allocation Target Shares: Series M Portfolio	1.58
BlackRock Allocation Target Shares: Series S Portfolio	0.41
BlackRock Alternative Capital Strategies Fund	0.04
BlackRock Balanced Capital Fund	4.81
BlackRock California Municipal Opportunities Fund	1.90
BlackRock CoreAlpha Bond Fund	0.84
BlackRock Core Bond Portfolio	19.88
BlackRock CoRI 2015 Fund ⁽²⁾	48.43
BlackRock CoRI 2017 Fund ⁽²⁾	48.48
BlackRock CoRI 2019 Fund ⁽²⁾	50.41
BlackRock CoRI 2021 Fund ⁽²⁾	43.66
BlackRock CoRI 2023 Fund ⁽²⁾	45.42
BlackRock Emerging Markets Flexible Dynamic Bond Portfolio	0.30
BlackRock Global Allocation Fund	7.41
BlackRock GNMA Portfolio	0.84
BlackRock LifePath® Dynamic Retirement Fund ⁽³⁾	7.49
BlackRock LifePath® Dynamic 2020 Fund ⁽³⁾	5.89
BlackRock LifePath® Dynamic 2025 Fund ⁽³⁾	4.35
BlackRock LifePath® Dynamic 2030 Fund ⁽³⁾	1.79
BlackRock LifePath® Dynamic 2035 Fund ⁽³⁾	1.09
BlackRock LifePath® Dynamic 2040 Fund ⁽³⁾	0.42
BlackRock LifePath® Dynamic 2045 Fund ⁽³⁾	0.16
BlackRock LifePath® Dynamic 2050 Fund ⁽³⁾	0.03
BlackRock LifePath® Dynamic 2055 Fund ⁽³⁾	0.03
BlackRock LifePath® Index Retirement Fund	21.62
BlackRock LifePath® Index 2020 Fund	18.05
BlackRock LifePath® Index 2025 Fund	15.57
BlackRock LifePath® Index 2030 Fund	10.60
BlackRock LifePath® Index 2035 Fund	7.17
BlackRock LifePath® Index 2040 Fund	3.17
BlackRock LifePath® Index 2045 Fund	1.07
BlackRock LifePath® Index 2050 Fund	0.37
BlackRock LifePath® Index 2055 Fund	0.43
BlackRock LifePath® Index 2060 Fund	0.48
BlackRock LifePath® Smart Beta Retirement Fund ⁽⁴⁾	7.58
BlackRock LifePath® Smart Beta 2020 Portfolio ⁽⁴⁾	7.01
BlackRock LifePath® Smart Beta 2025 Portfolio ⁽⁴⁾	6.38
BlackRock LifePath® Smart Beta 2030 Portfolio ⁽⁴⁾	4.73
BlackRock LifePath® Smart Beta 2035 Portfolio ⁽⁴⁾	2.58
BlackRock LifePath® Smart Beta 2040 Portfolio ⁽⁴⁾	0.81
BlackRock LifePath® Smart Beta 2045 Portfolio ⁽⁴⁾	0.24
BlackRock LifePath® Smart Beta 2050 Portfolio ⁽⁴⁾	0.03
BlackRock LifePath® Smart Beta 2055 Portfolio ⁽⁴⁾	0.03
BlackRock Managed Income Fund ⁽⁵⁾	4.83
BlackRock Low Duration Bond Portfolio	7.17
BlackRock Money Market Portfolio	0.76
BlackRock New York Municipal Opportunities Fund	4.08
BlackRock Short-Term Inflation-Protected Securities Index Fund ⁽²⁾⁽⁶⁾	1.00
BlackRock Short Obligations Fund	2.00
BlackRock Strategic Global Bond Fund	7.14
BlackRock Strategic Income Opportunities Portfolio	9.60
BlackRock Strategic Municipal Opportunities Fund	0.27
BlackRock Strategic Risk Allocation Fund	3.65
BlackRock Summit Cash Reserves Fund	32.39
BlackRock Tactical Opportunities Fund ⁽⁷⁾	6.82
BlackRock Total Return Fund	13.37
BlackRock U.S. Government Bond Portfolio	28.88
BlackRock U.S. Mortgage Portfolio of Managed Account Series	0.22
BlackRock U.S. Total Bond Index Fund	24.80
BlackRock U.S. Treasury Money Market Portfolio ⁽⁸⁾	0.51
BlackRock 20/80 Target Allocation Fund	14.06
BlackRock 40/60 Target Allocation Fund	8.19
BlackRock 60/40 Target Allocation Fund	5.46
BlackRock 80/20 Target Allocation Fund	3.34
BBIF Government Securities Fund ⁽⁹⁾	0.08
BBIF Money Fund	19.64
BBIF Treasury Fund ⁽²⁾⁽⁶⁾	8.65
BIF Government Securities Fund ⁽⁹⁾	0.04
BIF Money Fund	25.41
BIF Treasury Fund ⁽²⁾⁽⁶⁾	9.91
FDP BlackRock Franklin Templeton Total Return Fund ⁽¹⁰⁾	5.32
Ready Assets Government Liquidity Fund	3.84
Ready Assets U.S. Treasury Money Fund ⁽²⁾⁽⁶⁾	60.20
Ready Assets U.S.A. Government Money Fund	0.81
Retirement Reserves Money Fund	2.65

(1) Includes U.S. Treasury Bills, U.S. Treasury Notes, and U.S. Treasury Bonds, obligations issued by the Federal Home Loan Bank and Federal Credit Banks and the Tennessee Valley Authority.

(2) At least 50% of the assets of the fund were invested in Federal Obligations at the end of each quarter of the fiscal year.

(3) Effective November 7, 2016, BlackRock LifePath® Funds changed their names to BlackRock LifePath® Dynamic Funds

(4) Effective November 18, 2016, BlackRock LifePath® Active Portfolios changed their names to BlackRock LifePath® Smart Beta Portfolios

(5) Effective October 3, 2016, the Fund changed its name from BlackRock Investment Grade Bond Portfolio

(6) The fund meets the requirements for a New Jersey "qualified investment fund"

(7) Effective July 15, 2016, the Fund changed its name from BlackRock Managed Volatility Portfolio

(8) Fund liquidated on September 19, 2016

(9) Fund liquidated on July 15, 2016

(10) Effective January 19, 2016, the Fund changed its name from Franklin Templeton Total Return FDP Fund

Foreign Source Income

The information below summarizes the percentage of income that was derived from foreign sources with regard to certain BlackRock Open-End Funds. The foreign source income may have taxes associated with it that were paid by BlackRock Open-End Funds to various foreign jurisdictions. The Funds listed below have qualified to “pass-through” the foreign taxes and foreign source income to their shareholders. Accordingly, you may either deduct your portion of the taxes in computing your taxable income or take a credit for such taxes against your tax liability. These deductions or credits may be subject to limitations under the tax law. Your portion of the foreign taxes have been included on your Form 1099-DIV. The information below is provided to assist you in computing your foreign tax credit. **Please consult your tax advisor regarding the appropriate treatment of foreign source income and foreign taxes.**

Fund Name	Percentage of Income from Foreign Source Qualified Dividends ⁽¹⁾⁽²⁾	Percentage of Income from Other Foreign Sources ⁽¹⁾	Percentage of Income from Foreign Sources ⁽¹⁾
BlackRock Disciplined International Fund	88.32	—	88.32
BlackRock Emerging Markets Equity Strategies Fund	14.80	—	14.80
BlackRock Emerging Markets Dividend Fund	100	—	100
BlackRock Emerging Markets Fund	83.67	—	83.67
BlackRock EuroFund	99.87	—	99.87
BlackRock Global Dividend Portfolio	54.11	—	54.11
BlackRock International Fund	94.59	—	94.59
BlackRock International Index Fund	90.76	—	90.76
BlackRock International Opportunities Portfolio	100	—	100
BlackRock Latin America Fund	100	—	100
BlackRock LifePath® Smart Beta Retirement Fund ⁽³⁾	2.06	—	2.06
BlackRock LifePath® Smart Beta 2020 Fund ⁽³⁾	7.16	—	7.16
BlackRock LifePath® Smart Beta 2025 Fund ⁽³⁾	11.20	—	11.20
BlackRock LifePath® Smart Beta 2030 Fund ⁽³⁾	18.03	—	18.03
BlackRock LifePath® Smart Beta 2035 Fund ⁽³⁾	22.76	—	22.76
BlackRock LifePath® Smart Beta 2040 Fund ⁽³⁾	20.16	—	20.16
BlackRock LifePath® Smart Beta 2045 Fund ⁽³⁾	12.40	—	12.40
BlackRock LifePath® Smart Beta 2050 Fund ⁽³⁾	19.35	—	19.35
BlackRock LifePath® Smart Beta 2055 Fund ⁽³⁾	25.12	—	25.12
BlackRock MSCI Asia ex Japan Index Fund	100	—	100
BlackRock Pacific Fund	80.60	—	80.60
BlackRock Total International ex U.S. Index Fund	72.25	—	72.25
BlackRock 20/80 Target Allocation Fund	4.15	—	4.15
BlackRock 40/60 Target Allocation Fund	10.52	—	10.52
BlackRock 60/40 Target Allocation Fund	17.53	—	17.53
BlackRock 80/20 Target Allocation Fund	26.26	—	26.26
FDP BlackRock MFS Research International Fund ⁽⁴⁾	100	—	100

(1) To determine your portion of foreign source qualified dividends, other foreign source income and total foreign source income, multiply the dollar amount of your ordinary dividend by the percentage indicated.

(2) Represents the portion of your qualified dividends that was derived from foreign sources. As a result of the lower tax rates on qualified dividends, these amounts may be subject to certain adjustments before they are taken into account for purposes of computing your foreign tax credit. Please refer to the instructions for Form 1116 or consult your tax advisor for additional information.

(3) Effective November 18, 2016, BlackRock LifePath® Active Portfolios changed their names to BlackRock LifePath® Smart Beta Portfolios

(4) Effective January 29, 2016, the Fund changed its name from MFS Research International FDP Fund

Single State Municipal Funds

The information below summarizes the percentage of exempt interest income received by various BlackRock Open-End Funds on a state-by-state basis. These percentages may be useful in completing your state tax return. In addition, the percentage of income that represents a tax preference item (relating to tax-exempt interest income from private activity bonds) for Federal Alternative Minimum Tax purposes is included for each Fund. Your portion of the exempt interest income has been included on your Form 1099-DIV. **Shareholders are urged to consult their tax advisor concerning the application of this information.**

Exempt Interest Income Derived by State

Fund Name	Specified State	Percentage of Income from Obligations of Specified State	Percentage of Income from U.S. Territories and Possessions	Percentage of Income Subject to Alternative Minimum Tax (AMT)
BlackRock California Municipal Opportunities Fund ⁽¹⁾	California	98.28	1.72	1.62
BlackRock New Jersey Municipal Bond Fund ⁽²⁾	New Jersey	98.84	1.16	14.98
BlackRock New York Municipal Opportunities Fund	New York	98.18	1.82	6.20
BlackRock Ohio Municipal Money Market Portfolio	Ohio	100.00	—	14.69
BlackRock Pennsylvania Municipal Bond Fund	Pennsylvania	99.05	0.95	10.19
BlackRock Pennsylvania Municipal Money Market Portfolio ⁽³⁾	Pennsylvania	100.00	—	32.30
BIF California Municipal Money Fund ⁽⁴⁾	California	100.00	—	17.65
BIF Connecticut Municipal Money Fund ⁽⁴⁾	Connecticut	100.00	—	41.82
BIF Massachusetts Municipal Money Fund ⁽⁴⁾	Massachusetts	100.00	—	8.36
BIF New York Municipal Money Fund ⁽⁴⁾	New York	100.00	—	23.16
BIF Ohio Municipal Money Fund ⁽⁴⁾	Ohio	100.00	—	28.66

(1) At least 50% of the fund's assets at the end of each quarter consist of California obligations.

(2) Fund meets the requirements for a New Jersey “qualified investment fund.”

(3) Fund liquidated on April 29, 2016

(4) Fund liquidated on July 15, 2016