

**BlackRock Funds**  
**Estimated Distributions**  
**11/3/2023**

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Fund	Record Date	Ex-Date	Payable Date	Estimated Income Distribution <sup>1</sup>	Estimated Short-Term Capital Gain Distribution	Estimated Long-Term Capital Gain Distribution
BlackRock 20/80 Target Allocation Fund	12/21/23	12/22/23	12/26/23	2.5% - 3.0%	-	-
BlackRock 40/60 Target Allocation Fund	12/21/23	12/22/23	12/26/23	2.0% - 2.5%	-	-
BlackRock 60/40 Target Allocation Fund	12/21/23	12/22/23	12/26/23	1.5% - 2.0%	-	0.5% - 1.0%
BlackRock 80/20 Target Allocation Fund	12/21/23	12/22/23	12/26/23	1.0% - 1.5%	-	2.5% - 3.0%
BlackRock Advantage CoreAlpha Bond Fund	12/13/23	12/14/23	12/15/23	*	-	-
BlackRock Advantage Emerging Markets Fund	12/07/23	12/08/23	12/11/23	1.5% - 2.0%	-	-
BlackRock Advantage Global Fund	12/07/23	12/08/23	12/11/23	1.0% - 1.5%	-	-
BlackRock Advantage International Fund	12/06/23	12/07/23	12/08/23	0.5% - 1.0%	-	-
BlackRock Advantage Large Cap Core Fund	12/06/23	12/07/23	12/08/23	0.0% - 0.5%	-	-
BlackRock Advantage Large Cap Growth Fund	12/06/23	12/07/23	12/08/23	0.0% - 0.5%	-	0.5% - 1.0%
BlackRock Advantage Large Cap Value Fund	12/06/23	12/07/23	12/08/23	0.5% - 1.0%	-	1.0% - 1.5%
BlackRock Advantage Small Cap Core Fund	12/06/23	12/07/23	12/08/23	0.5% - 1.0%	-	-
BlackRock Advantage Small Cap Growth Fund	12/07/23	12/08/23	12/11/23	0.0% - 0.5%	-	-
BlackRock Advantage SMID Cap Fund	12/07/23	12/08/23	12/11/23	0.5% - 1.0%	-	-
BlackRock Allocation Target Shares - A Portfolio	12/27/23	12/28/23	12/29/23	*	-	-
BlackRock Allocation Target Shares - C Portfolio	12/20/23	12/21/23	12/22/23	***	-	-
BlackRock Allocation Target Shares - E Portfolio	12/11/23	12/12/23	12/13/23	***	-	-
BlackRock Allocation Target Shares - M Portfolio	12/20/23	12/21/23	12/22/23	*	-	-
BlackRock Allocation Target Shares - P Portfolio	12/27/23	12/28/23	12/29/23	3.5% - 4.0%	-	-
BlackRock Allocation Target Shares - S Portfolio	12/20/23	12/21/23	12/22/23	***	-	-
BlackRock Allocation Target Shares - V Portfolio	12/11/23	12/12/23	12/13/23	***	-	-
BlackRock California Municipal Opportunities Fund	12/11/23	12/12/23	12/13/23	***	-	-
BlackRock Capital Appreciation Fund	12/05/23	12/06/23	12/07/23	-	0.0% - 0.5%	1.5% - 2.0%
BlackRock China A Opportunities Fund	12/11/23	12/12/23	12/13/23	2.0% - 2.5%	-	-
BlackRock Commodity Strategies Fund	12/06/23	12/07/23	12/08/23	2.0% - 2.5%	-	-
BlackRock Core Bond Portfolio	12/19/23	12/20/23	12/21/23	*	-	-
BlackRock Credit Strategies Fund	12/20/23	12/21/23	12/22/23	**	-	-
BlackRock Defensive Advantage Emerging Markets Fund	12/07/23	12/08/23	12/11/23	1.5% - 2.0%	-	-
BlackRock Defensive Advantage International Fund	12/07/23	12/08/23	12/11/23	-	-	-
BlackRock Defensive Advantage U.S. Fund	12/07/23	12/08/23	12/11/23	-	-	-
BlackRock Dynamic High Income Portfolio	12/19/23	12/20/23	12/21/23	*	-	-
BlackRock Emerging Markets ex-China Fund	12/11/23	12/12/23	12/13/23	2.0% - 2.5%	3.0% - 3.5%	-
BlackRock Emerging Markets Fund	12/07/23	12/08/23	12/11/23	0.5% - 1.0%	-	-
BlackRock Energy Opportunities Fund	12/06/23	12/07/23	12/08/23	1.0% - 1.5%	-	-
BlackRock Equity Dividend Fund	12/07/23	12/08/23	12/11/23	0.0% - 0.5%	0.5% - 1.0%	2.5% - 3.0%
BlackRock EuroFund	12/07/23	12/08/23	12/11/23	1.0% - 1.5%	-	-
BlackRock Event Driven Equity Fund	12/20/23	12/21/23	12/22/23	1.5% - 2.0%	-	-
BlackRock Exchange Portfolio	12/27/23	12/28/23	12/29/23	0.5% - 1.0%	-	-
BlackRock Floating Rate Income Portfolio	12/19/23	12/20/23	12/21/23	***	-	-
BlackRock GA Disciplined Volatility Equity Fund	12/18/23	12/19/23	12/20/23	2.0% - 2.5%	-	-
BlackRock GA Dynamic Equity Fund	12/18/23	12/19/23	12/20/23	0.5% - 1.0%	-	-
BlackRock Global Allocation Fund	12/18/23	12/19/23	12/20/23	0.5% - 1.0%	-	0.0% - 0.5%
BlackRock Global Dividend Portfolio	12/06/23	12/07/23	12/08/23	0.0% - 0.5%	-	-
BlackRock Global Equity Absolute Return Fund	12/07/23	12/08/23	12/11/23	1.0% - 1.5%	-	-
BlackRock Global Equity Market Neutral Fund	12/07/23	12/08/23	12/11/23	6.0% - 6.5%	-	-
BlackRock Global Impact Fund	12/11/23	12/12/23	12/13/23	-	-	-
BlackRock Global Long/Short Credit Fund	12/19/23	12/20/23	12/21/23	3.0% - 3.5%	-	-
BlackRock GNMA Portfolio	12/19/23	12/20/23	12/21/23	***	-	-
BlackRock Health Sciences Opportunities Portfolio	12/06/23	12/07/23	12/08/23	0.0% - 0.5%	-	1.5% - 2.0%
BlackRock High Equity Income Fund	12/06/23	12/07/23	12/08/23	***	-	-

<sup>1</sup> Includes net investment income, foreign currency gains and/or certain gains from swaps

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BlackRock High Yield Bond Portfolio	12/19/23	12/20/23	12/21/23	***	-	-
BlackRock High Yield Municipal Fund	12/11/23	12/12/23	12/13/23	***	-	-
BlackRock Impact Mortgage Fund	12/19/23	12/20/23	12/21/23	***	-	-
BlackRock Impact Municipal Fund	12/11/23	12/12/23	12/13/23	***	-	-
BlackRock Income Fund	12/19/23	12/20/23	12/21/23	***	-	-
BlackRock Inflation Protected Bond Portfolio	12/19/23	12/20/23	12/21/23	***	-	-
BlackRock Infrastructure Sustainable Opportunities Fund	12/06/23	12/07/23	12/08/23	1.0% - 1.5%	-	-
BlackRock International Dividend Fund	12/06/23	12/07/23	12/08/23	0.0% - 0.5%	-	-
BlackRock International Fund	12/06/23	12/07/23	12/08/23	0.0% - 0.5%	-	-
BlackRock Large Cap Focus Growth Fund	12/05/23	12/06/23	12/07/23	-	-	2.5% - 3.0%
BlackRock Large Cap Focus Value Fund	12/07/23	12/08/23	12/11/23	2.0% - 2.5%	1.5% - 2.0%	0.5% - 1.0%
BlackRock LifePath Dynamic 2025 Fund	12/21/23	12/22/23	12/26/23	0.5% - 1.0%	-	-
BlackRock LifePath Dynamic 2030 Fund	12/21/23	12/22/23	12/26/23	0.5% - 1.0%	-	-
BlackRock LifePath Dynamic 2035 Fund	12/21/23	12/22/23	12/26/23	0.5% - 1.0%	-	-
BlackRock LifePath Dynamic 2040 Fund	12/21/23	12/22/23	12/26/23	0.5% - 1.0%	2.5% - 3.0%	0.5% - 1.0%
BlackRock LifePath Dynamic 2045 Fund	12/21/23	12/22/23	12/26/23	0.5% - 1.0%	-	-
BlackRock LifePath Dynamic 2050 Fund	12/21/23	12/22/23	12/26/23	0.5% - 1.0%	-	0.0% - 0.5%
BlackRock LifePath Dynamic 2055 Fund	12/21/23	12/22/23	12/26/23	0.5% - 1.0%	-	-
BlackRock LifePath Dynamic 2060 Fund	12/21/23	12/22/23	12/26/23	0.5% - 1.0%	-	-
BlackRock LifePath Dynamic 2065 Fund	12/21/23	12/22/23	12/26/23	0.5% - 1.0%	-	-
BlackRock LifePath Dynamic Retirement Fund	12/21/23	12/22/23	12/26/23	1.0% - 1.5%	-	5.0% - 5.5%
BlackRock LifePath ESG Index 2025 Fund	12/21/23	12/22/23	12/26/23	0.5% - 1.0%	-	-
BlackRock LifePath ESG Index 2030 Fund	12/21/23	12/22/23	12/26/23	0.5% - 1.0%	-	-
BlackRock LifePath ESG Index 2035 Fund	12/21/23	12/22/23	12/26/23	0.5% - 1.0%	0.0% - 0.5%	0.0% - 0.5%
BlackRock LifePath ESG Index 2040 Fund	12/21/23	12/22/23	12/26/23	0.5% - 1.0%	-	-
BlackRock LifePath ESG Index 2045 Fund	12/21/23	12/22/23	12/26/23	0.5% - 1.0%	-	-
BlackRock LifePath ESG Index 2050 Fund	12/21/23	12/22/23	12/26/23	0.5% - 1.0%	-	-
BlackRock LifePath ESG Index 2055 Fund	12/21/23	12/22/23	12/26/23	0.5% - 1.0%	-	0.0% - 0.5%
BlackRock LifePath ESG Index 2060 Fund	12/21/23	12/22/23	12/26/23	0.5% - 1.0%	-	-
BlackRock LifePath ESG Index 2065 Fund	12/21/23	12/22/23	12/26/23	0.5% - 1.0%	-	0.0% - 0.5%
BlackRock LifePath ESG Index Retirement Fund	12/21/23	12/22/23	12/26/23	0.5% - 1.0%	-	-
BlackRock LifePath Index 2025 Fund	12/21/23	12/22/23	12/26/23	0.5% - 1.0%	-	-
BlackRock LifePath Index 2030 Fund	12/21/23	12/22/23	12/26/23	0.5% - 1.0%	-	-
BlackRock LifePath Index 2035 Fund	12/21/23	12/22/23	12/26/23	0.5% - 1.0%	-	-
BlackRock LifePath Index 2040 Fund	12/21/23	12/22/23	12/26/23	0.5% - 1.0%	-	-
BlackRock LifePath Index 2045 Fund	12/21/23	12/22/23	12/26/23	0.5% - 1.0%	-	-
BlackRock LifePath Index 2050 Fund	12/21/23	12/22/23	12/26/23	0.5% - 1.0%	-	-
BlackRock LifePath Index 2055 Fund	12/21/23	12/22/23	12/26/23	0.5% - 1.0%	-	-
BlackRock LifePath Index 2060 Fund	12/21/23	12/22/23	12/26/23	0.5% - 1.0%	-	-
BlackRock LifePath Index 2065 Fund	12/21/23	12/22/23	12/26/23	0.5% - 1.0%	-	-
BlackRock LifePath Index Retirement Fund	12/21/23	12/22/23	12/26/23	0.5% - 1.0%	-	-
BlackRock Low Duration Bond Portfolio	12/19/23	12/20/23	12/21/23	***	-	-
BlackRock Managed Income Fund	12/27/23	12/28/23	12/29/23	**	-	-
BlackRock Mid-Cap Growth Equity Portfolio	12/06/23	12/07/23	12/08/23	-	-	-
BlackRock Mid-Cap Value Fund	12/07/23	12/08/23	12/11/23	1.0% - 1.5%	0.0% - 0.5%	1.5% - 2.0%
BlackRock Multi-Asset Income Portfolio	12/19/23	12/20/23	12/21/23	*	-	-
BlackRock National Municipal Fund	12/11/23	12/12/23	12/13/23	***	-	-
BlackRock Natural Resources Trust	12/07/23	12/08/23	12/11/23	2.0% - 2.5%	-	-
BlackRock New Jersey Municipal Bond Fund	12/11/23	12/12/23	12/13/23	***	-	-
BlackRock New York Municipal Opportunities Fund	12/11/23	12/12/23	12/13/23	***	-	-

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BlackRock Pennsylvania Municipal Bond Fund	12/11/23	12/12/23	12/13/23	***	-	-
BlackRock Real Estate Securities Fund	12/07/23	12/08/23	12/11/23	0.5% - 1.0%	-	-
BlackRock Retirement Income 2030 Fund	12/27/23	12/28/23	12/29/23	***	-	-
BlackRock Retirement Income 2040 Fund	12/27/23	12/28/23	12/29/23	***	-	-
BlackRock Short Obligations Fund	12/19/23	12/20/23	12/21/23	***	-	-
BlackRock Short-Term Municipal Fund	12/11/23	12/12/23	12/13/23	***	-	-
BlackRock SMID-Cap Growth Equity Fund	12/06/23	12/07/23	12/08/23	-	-	-
BlackRock Strategic Global Bond Fund	12/20/23	12/21/23	12/22/23	***	-	-
BlackRock Strategic Income Opportunities Portfolio	12/19/23	12/20/23	12/21/23	***	-	-
BlackRock Strategic Municipal Opportunities Fund	12/11/23	12/12/23	12/13/23	***	-	-
BlackRock Sustainable Advantage CoreAlpha Bond Fund	12/20/23	12/21/23	12/22/23	***	-	-
BlackRock Sustainable Advantage Emerging Markets Equity Fund	12/11/23	12/12/23	12/13/23	1.5% - 2.0%	-	-
BlackRock Sustainable Advantage Global Equity Fund	12/11/23	12/12/23	12/13/23	0.5% - 1.0%	-	-
BlackRock Sustainable Advantage International Equity Fund	12/11/23	12/12/23	12/13/23	1.5% - 2.0%	-	-
BlackRock Sustainable Advantage Large Cap Core Fund	12/07/23	12/08/23	12/11/23	0.5% - 1.0%	-	-
BlackRock Sustainable Balanced Fund	12/18/23	12/19/23	12/20/23	0.5% - 1.0%	-	-
BlackRock Sustainable Emerging Markets Bond Fund	12/20/23	12/21/23	12/22/23	***	-	-
BlackRock Sustainable Emerging Markets Equity Fund	12/07/23	12/08/23	12/11/23	0.5% - 1.0%	-	-
BlackRock Sustainable Emerging Markets Flexible Bond Fund	12/19/23	12/20/23	12/21/23	***	-	-
BlackRock Sustainable High Yield Bond Fund	12/19/23	12/20/23	12/21/23	***	-	-
BlackRock Sustainable International Equity Fund	12/07/23	12/08/23	12/11/23	1.0% - 1.5%	-	-
BlackRock Sustainable Low Duration Bond Fund	12/19/23	12/20/23	12/21/23	***	-	-
BlackRock Sustainable Total Return Fund	12/19/23	12/20/23	12/21/23	***	-	-
BlackRock Sustainable U.S. Growth Equity Fund	12/07/23	12/08/23	12/11/23	-	-	-
BlackRock Sustainable U.S. Value Equity Fund	12/07/23	12/08/23	12/11/23	1.0% - 1.5%	-	-
BlackRock Systematic Multi-Strategy Fund	12/27/23	12/28/23	12/29/23	3.5% - 4.0%	-	-
BlackRock Tactical Opportunities Fund	12/19/23	12/20/23	12/21/23	6.0% - 6.5%	-	-
BlackRock Technology Opportunities Fund	12/06/23	12/07/23	12/08/23	-	-	-
BlackRock Total Return Fund	12/20/23	12/21/23	12/22/23	*	-	-
BlackRock U.S. Insights Long/Short Equity Fund	12/06/23	12/07/23	12/08/23	7.5% - 8.0%	-	-
BlackRock U.S. Mortgage Portfolio	12/19/23	12/20/23	12/21/23	*	-	-
BlackRock Unconstrained Equity Fund	12/07/23	12/08/23	12/11/23	-	-	-
iShares Developed Real Estate Index Fund	12/13/23	12/14/23	12/15/23	0.0% - 0.5%	-	-
iShares MSCI EAFE International Index Fund	12/13/23	12/14/23	12/15/23	2.5% - 3.0%	-	-
iShares MSCI Total International Index Fund	12/13/23	12/14/23	12/15/23	0.5% - 1.0%	-	-
iShares Municipal Bond Index Fund	12/11/23	12/12/23	12/13/23	***	-	-
iShares Russell 1000 Large-Cap Index Fund	12/13/23	12/14/23	12/15/23	0.0% - 0.5%	-	-
iShares Russell 2000 Small-Cap Index Fund	12/13/23	12/14/23	12/15/23	1.5% - 2.0%	-	1.5% - 2.0%
iShares Russell Mid-Cap Index Fund	12/13/23	12/14/23	12/15/23	0.0% - 0.5%	-	1.5% - 2.0%
iShares Russell Small/Mid-Cap Index Fund	12/13/23	12/14/23	12/15/23	0.5% - 1.0%	-	-
iShares S&P 500 Index Fund	12/13/23	12/14/23	12/15/23	0.0% - 0.5%	0.0% - 0.5%	-
iShares Short-Term TIPS Bond Index Fund	12/20/23	12/21/23	12/22/23	***	-	-
iShares Total U.S. Stock Market Index Fund	12/13/23	12/14/23	12/15/23	0.0% - 0.5%	-	-
iShares U.S. Aggregate Bond Index Fund	12/13/23	12/14/23	12/15/23	***	-	-

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