

BlackRock Advantage Global Fund, Inc.

BlackRock Advantage U.S. Total Market Fund, Inc.

BlackRock Allocation Target Shares

BATS: Series A Portfolio
BATS: Series C Portfolio
BATS: Series E Portfolio
BATS: Series M Portfolio
BATS: Series P Portfolio
BATS: Series S Portfolio

BlackRock Asian Dragon Fund, Inc.

BlackRock Balanced Capital Fund, Inc.

BlackRock Basic Value Fund, Inc.

BlackRock Bond Fund, Inc.

BlackRock Total Return Fund

BlackRock California Municipal Series Trust

BlackRock California Municipal Opportunities Fund

BlackRock Capital Appreciation Fund, Inc.

BlackRock Emerging Markets Fund, Inc.

BlackRock Equity Dividend Fund

BlackRock EuroFund

BlackRock Financial Institutions Series Trust

BlackRock Summit Cash Reserves Fund

BlackRock Focus Growth Fund, Inc.

BlackRock FundsSM

BlackRock Advantage Emerging Markets Fund
BlackRock Advantage International Fund
BlackRock Advantage Large Cap Growth Fund
BlackRock Advantage Small Cap Core Fund
BlackRock Advantage Small Cap Growth Fund
BlackRock All-Cap Energy & Resources Portfolio
BlackRock China A Opportunities Fund
BlackRock Commodity Strategies Fund
BlackRock Emerging Markets Equity Strategies Fund
BlackRock Energy & Resources Portfolio
BlackRock Exchange Portfolio
BlackRock Global Long/Short Equity Fund

BlackRock Health Sciences Opportunities Portfolio

BlackRock High Equity Income Fund

BlackRock Impact U.S. Equity Fund

BlackRock International Dividend Fund

BlackRock Liquid Environmentally Aware Fund

BlackRock Mid-Cap Growth Equity Portfolio

BlackRock Money Market Portfolio

BlackRock Real Estate Securities Fund

BlackRock Short Obligations Fund

BlackRock Tactical Opportunities Fund

BlackRock Technology Opportunities Fund

BlackRock Total Emerging Markets Fund

BlackRock Total Factor Fund

iShares Developed Real Estate Index Fund

iShares Edge MSCI Min Vol EAFE Index Fund

iShares Edge MSCI Min Vol USA Index Fund

iShares Edge MSCI Multifactor Intl Index Fund

iShares Edge MSCI Multifactor USA Index Fund

iShares Municipal Bond Index Fund

iShares Russell Mid-Cap Index Fund

iShares Russell Small/Mid-Cap Index Fund

iShares Short-Term TIPS Bond Index Fund

iShares Total U.S. Stock Market Index Fund

BlackRock Funds II

BlackRock 20/80 Target Allocation Fund

BlackRock 40/60 Target Allocation Fund

BlackRock 60/40 Target Allocation Fund

BlackRock 80/20 Target Allocation Fund

BlackRock Dynamic High Income Portfolio

BlackRock Global Dividend Portfolio

BlackRock LifePath[®] Smart Beta Retirement Fund

BlackRock LifePath[®] Smart Beta 2020 Fund

BlackRock LifePath[®] Smart Beta 2025 Fund

BlackRock LifePath[®] Smart Beta 2030 Fund

BlackRock LifePath[®] Smart Beta 2035 Fund

BlackRock LifePath[®] Smart Beta 2040 Fund

BlackRock LifePath[®] Smart Beta 2045 Fund

BlackRock LifePath[®] Smart Beta 2050 Fund

BlackRock LifePath[®] Smart Beta 2055 Fund

BlackRock LifePath[®] Smart Beta 2060 Fund

BlackRock Managed Income Fund

BlackRock Multi-Asset Income Portfolio

BlackRock Funds III

BlackRock Cash Funds: Institutional

BlackRock Cash Funds: Treasury

BlackRock LifePath[®] Dynamic Retirement Fund

BlackRock LifePath[®] Dynamic 2020 Fund

BlackRock LifePath[®] Dynamic 2025 Fund

BlackRock LifePath® Dynamic 2030 Fund
BlackRock LifePath® Dynamic 2035 Fund
BlackRock LifePath® Dynamic 2040 Fund
BlackRock LifePath® Dynamic 2045 Fund
BlackRock LifePath® Dynamic 2050 Fund
BlackRock LifePath® Dynamic 2055 Fund
BlackRock LifePath® Dynamic 2060 Fund
BlackRock LifePath® Index Retirement Fund
BlackRock LifePath® Index 2020 Fund
BlackRock LifePath® Index 2025 Fund
BlackRock LifePath® Index 2030 Fund
BlackRock LifePath® Index 2035 Fund
BlackRock LifePath® Index 2040 Fund
BlackRock LifePath® Index 2045 Fund
BlackRock LifePath® Index 2050 Fund
BlackRock LifePath® Index 2055 Fund
BlackRock LifePath® Index 2060 Fund
iShares MSCI Total International Index Fund
iShares Russell 1000 Large-Cap Index Fund
iShares S&P 500 Index Fund
iShares U.S. Aggregate Bond Index Fund

BlackRock Funds IV

BlackRock Global Long/Short Credit Fund
BlackRock Impact Bond Fund
BlackRock Systematic Multi-Strategy Fund

BlackRock Funds V

BlackRock Core Bond Portfolio
BlackRock Credit Strategies Income Fund
BlackRock Emerging Markets Bond Fund
BlackRock Emerging Markets Flexible
Dynamic Bond Portfolio
BlackRock Floating Rate Income Portfolio
BlackRock GNMA Portfolio
BlackRock High Yield Bond Portfolio
BlackRock Inflation Protected Bond Portfolio
BlackRock Low Duration Bond Portfolio
BlackRock Strategic Income Opportunities
Portfolio
BlackRock U.S. Government Bond Portfolio

BlackRock Funds VI

BlackRock CoreAlpha Bond Fund

BlackRock Global Allocation Fund, Inc.

BlackRock Index Funds, Inc.

iShares MSCI EAFE International Index Fund
iShares Russell 2000 Small-Cap Index Fund

BlackRock Large Cap Series Funds, Inc.

BlackRock Advantage Large Cap Core Fund
BlackRock Advantage Large Cap Value Fund
BlackRock Event Driven Equity Fund
BlackRock Large Cap Focus Growth Fund

BlackRock Latin America Fund, Inc.

BlackRock Liquidity Funds

California Money Fund
Federal Trust Fund
FedFund
MuniCash
MuniFund
New York Money Fund
TempCash
TempFund
T-Fund
Treasury Trust Fund

BlackRock Long-Horizon Equity Fund

BlackRock Mid Cap Dividend Series, Inc.

BlackRock Mid Cap Dividend Fund

BlackRock Multi-State Municipal Series Trust

BlackRock New Jersey Municipal Bond Fund
BlackRock New York Municipal Opportunities
Fund
BlackRock Pennsylvania Municipal Bond Fund

BlackRock Municipal Bond Fund, Inc.

BlackRock High Yield Municipal Fund
BlackRock National Municipal Fund
BlackRock Short-Term Municipal Fund

BlackRock Municipal Series Trust

BlackRock Strategic Municipal Opportunities
Fund

BlackRock Natural Resources Trust

BlackRock Series Fund, Inc.

BlackRock Advantage Large Cap Core Portfolio
BlackRock Balanced Capital Portfolio
BlackRock Capital Appreciation Portfolio
BlackRock Global Allocation Portfolio
BlackRock Government Money Market
Portfolio

BlackRock Series Fund II, Inc.

BlackRock High Yield Portfolio
BlackRock U.S. Government Bond Portfolio

BlackRock Series, Inc.

BlackRock International Fund

BlackRock Strategic Global Bond Fund, Inc.

BlackRock Variable Series Funds, Inc.

BlackRock 60/40 Target Allocation ETF V.I. Fund
BlackRock Advantage Large Cap Core V.I. Fund
BlackRock Advantage Large Cap Value V.I. Fund
BlackRock Advantage U.S. Total Market V.I. Fund
BlackRock Basic Value V.I. Fund
BlackRock Capital Appreciation V.I. Fund
BlackRock Equity Dividend V.I. Fund
BlackRock Global Allocation V.I. Fund
BlackRock Government Money Market V.I. Fund
BlackRock International Index V.I. Fund
BlackRock International V.I. Fund
BlackRock Large Cap Focus Growth V.I. Fund
BlackRock Managed Volatility V.I. Fund
BlackRock S&P 500 Index V.I. Fund
BlackRock Small Cap Index V.I. Fund

BlackRock Variable Series Funds II, Inc.

BlackRock High Yield V.I. Fund
BlackRock Total Return V.I. Fund
BlackRock U.S. Government Bond V.I. Fund

Funds For Institutions Series

BlackRock Premier Government Institutional Fund
BlackRock Select Treasury Strategies Institutional Fund
BlackRock Treasury Strategies Institutional Fund
FFI Government Fund
FFI Treasury Fund

Managed Account Series

BlackRock GA Disciplined Volatility Equity Fund
BlackRock GA Dynamic Equity Fund

Managed Account Series II

BlackRock U.S. Mortgage Portfolio

Ready Assets Government Liquidity Fund

Ready Assets U.S. Treasury Money Fund

Retirement Series Trust

Retirement Reserves Money Fund

(each, a “Fund” and collectively, the “Funds”)

Supplement dated October 2, 2019 to the Statement of Additional Information of each Fund

Each Fund’s Statement of Additional Information is amended as follows:

The list in the section entitled “Purchase of Shares — Additional Payments by BlackRock — C. Service Organizations Receiving Additional Payments”, “Purchase of Shares — Additional Payments by BlackRock — D. Service Organizations Receiving Additional Payments”, “Miscellaneous — Additional Payments by BlackRock — D. Service Organizations Receiving Additional Payments”, “Investment Advisory Arrangements — Additional Payments by BlackRock — D. Service Organizations Receiving Additional Payments” or “Investment Adviser and Other Service Providers — Additional Payments by BlackRock — D. Service Organizations Receiving Additional Payments” in Part II, as applicable, of each Fund’s current Statement of Additional Information is deleted in its entirety and replaced with the following:

AccuTech Systems Corporation
ADP Broker-Dealer, Inc.
Advisor Group, Inc.
Alight Solutions LLC

Allianz Life Financial Services, LLC
Allianz Life Insurance Company of New York
Allianz Life Insurance Company of North America
American Enterprise Investment Services, Inc.

American Fidelity Assurance Company
 American Fidelity Securities, Inc.
 American General Life Insurance Company
 American United Life Insurance Company
 Annuity Investors Life Insurance Company
 Ascensus Broker Dealer Services, Inc.
 Ascensus, Inc.
 AXA Advisors, LLC
 AXA Equitable Life Insurance Company
 Bank of America, N.A.
 Bank of New York Mellon, The
 Barclays Capital Inc.
 BB&T Retirement & Institutional Services
 Benefit Plans Administrative Services, Inc.
 Benefit Trust Company
 BlackRock Advisors, LLC
 BMO Capital Markets Corp.
 BNP Paribas Investment Partners UK Limited
 BNY Mellon, N.A.
 BOKF, N.A.
 Brighthouse Life Insurance Company
 Brighthouse Life Insurance Company of NY
 Broadridge Business Process Outsourcing, LLC
 Brown Brothers Harriman & Co.
 Cetera Advisor Networks LLC
 Cetera Advisors LLC
 Cetera Financial Group
 Cetera Financial Specialists LLC
 Cetera Investment Services LLC
 Charles Schwab & Co., Inc.
 Charles Schwab Bank
 Chicago Mercantile Exchange Inc.
 CIM Investment Management, Inc.
 Citco Securities, LLC
 CitiBank, National Association
 Citigroup Global Markets, Inc.
 Citizens Bank
 Citizens Business Bank
 CME Shareholder Servicing LLC
 CMFG Life Insurance Company
 Comerica Bank
 Commonwealth Financial Network
 Computershare Trust Company
 Conduent HR Services, LLC
 Credit Suisse Securities (USA) LLC
 CSC Trust Company of Delaware
 Delaware Life Insurance Company
 Delaware Life Insurance Company of New York
 Deutsche Bank AG
 Deutsche Bank Trust Company Americas
 Digital Retirement Solutions, Inc.
 Edward D. Jones & Co., L.P.
 Empire Fidelity Investments Life Insurance
 Company
 E*trade Savings Bank
 Federal Deposit Insurance Corporation
 Fidelity Brokerage Services LLC
 Fidelity Investments Institutional Operations
 Company, Inc.
 Fidelity Investments Life Insurance Company
 Fifth Third Securities, Inc.
 First Allied Securities, Inc.
 First Command Financial Planning, Inc.
 First Hawaiian Bank
 First Mercantile Trust Company
 First Republic Bank
 First Security Benefit Life Insurance and Annuity
 Company of New York
 First Symetra National Life Insurance Company of
 New York
 FIS Brokerage & Securities Services LLC
 Forethought Life Insurance Company
 FSC Securities Corporation
 Genworth Life and Annuity Insurance Company
 Genworth Life Insurance Company of New York
 Global Atlantic Distributors, LLC
 Goldman Sachs & Co.
 Great-West Financial Retirement Plan Services, LLC
 Great-West Life & Annuity Insurance Company
 Great-West Life & Annuity Insurance Company of
 New York
 Guardian Insurance & Annuity Company, Inc., The
 GWFS Equities, Inc.
 Hancock Whitney Bank
 Hartford Funds Management Company
 Hartford Life Insurance Company
 Hartford Securities Distribution Company, Inc.
 Hazeltree Fund Services, Inc.
 Hightower Securities, Inc.
 Hilltop Securities Inc.
 HSBC Bank USA, N.A.
 Huntington Investment Company, The
 Institutional Cash Distributors, LLC
 Integrity Life Insurance Company
 J.P. Morgan Securities LLC
 Jefferies LLC
 Jefferson National Life Insurance Company
 Jefferson National Life Insurance Company of New
 York
 John Hancock Life Insurance Company (U.S.A.)
 John Hancock Life Insurance Company of New York
 John Hancock Trust Company
 JPMorgan Chase Bank, N.A.
 Kestra Investment Services, LLC

Lincoln Financial Advisors Corporation
 Lincoln Financial Distributors, Inc.
 Lincoln Financial Securities Corporation
 Lincoln Life & Annuity Company of New York
 Lincoln National Life Insurance Company
 Lincoln Retirement Services LLC
 Lombard International Life Assurance Company
 LPL Financial LLC
 M&T Securities Inc.
 Manufacturers and Traders Trust Company
 Massachusetts Mutual Life Insurance Company
 Members Life Insurance Company
 Merrill Lynch, Pierce, Fenner & Smith Incorporated
 Metavante Corporation
 Metropolitan Life Insurance Company
 Mid Atlantic Capital Corporation
 Midland Life Insurance Company
 Minnesota Life Insurance Company
 Mizuho Securities USA Inc.
 MML Distributors, LLC
 MML Investors Services, LLC
 Morgan Stanley & Co. LLC
 Morgan Stanley Distribution, Inc.
 Morgan Stanley Smith Barney LLC
 MUFG Union Bank, National Association
 National Financial Services LLC
 National Integrity Life Insurance Company
 National Life Insurance Company
 Nationwide Financial Services, Inc.
 Nationwide Fund Distributors LLC
 Nationwide Retirement Solutions
 NCB Federal Savings Bank
 New England Pension Plan Systems, LLC
 New York Life Insurance and Annuity Corporation
 Newport Retirement Services, Inc.
 NEX Treasury Limited
 Northbrook Bank & Trust Company
 Northern Trust Company, The
 Northwestern Mutual Investment Services, LLC
 NYLife Distributors LLC
 Oppenheimer & Co., Inc.
 Orion Advisor Services, LLC
 Pacific Life & Annuity Company
 Pacific Life Insurance Company
 Pacific Select Distributors, LLC
 Park Avenue Securities LLC
 Pershing LLC
 PFPC Inc.
 Piper Jaffray & Co.
 PNC Bank, National Association
 PNC Capital Markets LLC
 PNC Investments LLC
 Principal Life Insurance Company
 Pruco Life Insurance Company
 Pruco Life Insurance Company of New Jersey
 Prudential Annuities Distributors, Inc.
 Prudential Insurance Company of America
 Raymond James & Associates, Inc.
 Raymond James Financial Services, Inc.
 RBC Capital Markets, LLC
 Regions Bank
 Reliance Trust Company
 Reliastar Life Insurance Company
 Reliastar Life Insurance Company of New York
 RiverSource Distributors, Inc.
 RiverSource Life Insurance Co. of New York
 RiverSource Life Insurance Company
 Royal Alliance Associates, Inc.
 SagePoint Financial, Inc.
 Sammons Retirement Solutions, Inc.
 Santander Bank, N.A.
 Saturna Trust Company
 Security Benefit Life Insurance Company
 Security Financial Resources, Inc.
 Security Life of Denver Insurance Company
 SEI Private Trust Company
 SG Americas Securities, LLC
 Silicon Valley Bank
 Standard Insurance Company
 State Farm Life and Accident Assurance Company
 State Farm Life Insurance Company
 State Farm VP Management Corp.
 State Street Global Markets, LLC
 Stifel, Nicolaus & Company, Incorporated
 Summit Brokerage Services, Inc.
 SunTrust Bank
 SVB Asset Management
 Symetra Life Insurance Company
 Syntal Capital Partners, LLC
 T. Rowe Price Retirement Plan Services, Inc.
 Talcott Resolution Life and Annuity Insurance
 Company
 Talcott Resolution Life Insurance Company
 TD Ameritrade Clearing, Inc.
 TD Ameritrade Trust Company
 TD Ameritrade, Inc.
 TD Prime Services (US) LLC
 Teachers Insurance and Annuity Association of
 America
 Transamerica Advisors Life Insurance Company
 Transamerica Life Insurance Company
 Treasury Brokerage
 U.S. Bancorp Investments, Inc.
 U.S. Bank, National Association

UBATCO & Co.
UBS Financial Services, Inc.
UBS Securities LLC
UMB Bank, National Association
United States Life Insurance Company in the City of
New York, The
VALIC Retirement Services Company
Vanguard Group, Inc., The
Vanguard Marketing Corporation
Voya Financial Advisors, Inc.
Voya Financial Partners, LLC
Voya Insurance and Annuity Company

Voya Institutional Plan Services, LLC
Voya Investments Distributor, LLC
Voya Retirement Insurance and Annuity Company
Wells Fargo Advisors, LLC
Wells Fargo Advisors Financial Network, LLC
Wells Fargo Bank, N.A.
Wells Fargo Clearing Services, LLC
Wells Fargo Investments, LLC
Wells Fargo Securities, LLC
Wilmington Trust, National Association
Woodbury Financial Services, Inc.
ZB, National Association

Shareholders should retain this Supplement for future reference.

SAI-GLOBAL-1019SUP

BLACKROCK LARGE CAP SERIES FUNDS, INC.

BlackRock Large Cap Focus Growth Fund

(the “Fund”)

Supplement dated August 1, 2019 to the Summary Prospectuses, Prospectuses and Statement of Additional Information of the Fund, each dated October 26, 2018

The Board of Directors of BlackRock Large Cap Series Funds, Inc. (the “Corporation”) has approved an Agreement and Plan of Reorganization (the “Agreement and Plan”) between the Corporation, on behalf of the Fund, and BlackRock Focus Growth Fund, Inc. (the “Acquiring Fund”), pursuant to which the Fund will be reorganized into the Acquiring Fund (the “Reorganization”).

Each of the Fund and the Acquiring Fund is a “feeder” fund that invests all of its assets in a corresponding “master” portfolio as set out in the table below under the heading “Master Portfolios”, which has an investment objective, strategies and policies identical to those of the Fund or Acquiring Fund, as applicable.

Feeder Funds	Master Portfolios
Fund	Master Large Cap Focus Growth Portfolio (the “Master Portfolio”), a series of Master Large Cap Series LLC (the “Master LLC”), a Delaware limited liability company
Acquiring Fund	Master Focus Growth LLC (the “Acquiring Master Portfolio”), a Delaware limited liability company

The Board of Directors of the Master LLC has approved an Agreement and Plan of Reorganization between the Master LLC, on behalf of the Master Portfolio, and the Acquiring Master Portfolio, pursuant to which the Master Portfolio will be reorganized into the Acquiring Master Portfolio (the “Master Reorganization”). The Master Reorganization will occur prior to the Reorganization.

In the Master Reorganization, the Master Portfolio will transfer substantially all of its assets and liabilities to the Acquiring Master Portfolio in exchange for interests of the Acquiring Master Portfolio having equal value to the net assets transferred (the “Acquiring Master Portfolio Interests”). The Acquiring Master Portfolio Interests held by the Master Portfolio will then be exchanged for interests of the Master Portfolio held by the Fund.

In the Reorganization, the Fund will transfer substantially all of its assets to the Acquiring Fund in exchange for the assumption by the Acquiring Fund of certain stated liabilities of the Fund and shares of the Acquiring Fund.

The Agreement and Plan provides that shareholders of the Fund will receive shares, including fractional shares, if any, of the class of shares in the Acquiring Fund as set out in the table below with the same aggregate net asset value as the shares of the Fund held immediately prior to the Reorganization.

<i>If a shareholder owns the following Fund shares:</i>	<i>The shareholder will receive the following Acquiring Fund shares:</i>
Investor A	Investor A
Investor C	Investor C
Institutional	Institutional
Class R	Investor A
Service	Investor A
Class K	Class K

Effective upon the closing of the Reorganization, the Acquiring Fund will change its name from BlackRock Focus Growth Fund, Inc. to BlackRock Large Cap Focus Growth Fund, Inc.

Following the Reorganization and Master Reorganization, each of the Fund and the Master Portfolio will be terminated, dissolved and liquidated as a series of the Corporation or Master LLC, as applicable.

Neither the shareholders of the Fund nor the interestholders of the Master Portfolio are required to approve the Reorganization or the Master Reorganization, as applicable. It is expected that in October 2019 shareholders of the Fund will be sent a Combined Prospectus/Information Statement containing important information about the Acquiring Fund, outlining the differences between the Fund and the Acquiring Fund and containing information about the terms and conditions of the Reorganization.

The Reorganization and the Master Reorganization are expected to occur during the fourth quarter of 2019. Until the Reorganization is completed, the Fund will continue redemptions of its shares as described in its Prospectus.

Shareholders should retain this Supplement for future reference.

ALLPRO-LCFG-0819SUP

BlackRock Advantage Global Fund, Inc.

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BlackRock Basic Value Fund, Inc.

BlackRock Bond Fund, Inc.

BlackRock Total Return Fund

BlackRock California Municipal Series Trust
BlackRock California Municipal Opportunities Fund

BlackRock Capital Appreciation Fund, Inc.

BlackRock Emerging Markets Fund, Inc.

BlackRock Equity Dividend Fund

BlackRock EuroFund

BlackRock Focus Growth Fund, Inc.

BlackRock FundsSM

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BlackRock Advantage International Fund
BlackRock Advantage Large Cap Growth Fund
BlackRock Advantage Small Cap Core Fund
BlackRock Advantage Small Cap Growth Fund
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BlackRock Commodity Strategies Fund
BlackRock Emerging Markets Equity Strategies Fund
BlackRock Energy & Resources Portfolio
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BlackRock Tactical Opportunities Fund
BlackRock Technology Opportunities Fund
BlackRock Total Emerging Markets Fund
BlackRock Total Factor Fund
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iShares Edge MSCI Multifactor Intl Index Fund
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iShares S&P 500 Index Fund
iShares U.S. Aggregate Bond Index Fund

BlackRock Funds IV

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BlackRock Systematic Multi-Strategy Fund

BlackRock Funds V

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BlackRock Latin America Fund, Inc.

BlackRock Long-Horizon Equity Fund

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BlackRock Mid Cap Dividend Fund

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BlackRock Pennsylvania Municipal Bond Fund

BlackRock Municipal Bond Fund, Inc.

BlackRock High Yield Municipal Fund
BlackRock National Municipal Fund
BlackRock Short-Term Municipal Fund

BlackRock Municipal Series Trust

BlackRock Strategic Municipal Opportunities Fund

BlackRock Natural Resources Trust

BlackRock Series, Inc.

BlackRock International Fund

BlackRock Strategic Global Bond Fund, Inc.

FDP Series, Inc.

FDP BlackRock Capital Appreciation Fund
FDP BlackRock Equity Dividend Fund
FDP BlackRock International Fund

FDP Series II, Inc.

FDP BlackRock CoreAlpha Bond Fund

Managed Account Series

BlackRock GA Disciplined Volatility Equity Fund
BlackRock GA Dynamic Equity Fund

Managed Account Series II

BlackRock U.S. Mortgage Portfolio

(each, a “Fund” and collectively, the “Funds”)

Supplement dated July 29, 2019 to the Statement of Additional Information (“SAI”) of each Fund

Effective immediately, each SAI is amended as follows:

The subsections entitled “Right of Accumulation” and “Letter of Intent” in the section entitled “Purchase of Shares—Reduced Initial Sales Charges” in Part II of each Fund’s SAI are deleted in their entirety and replaced with the following:

Right of Accumulation. Investors have a “right of accumulation” under which any of the following may be combined with the amount of the current purchase in determining whether an investor qualifies for a breakpoint and a reduced front-end sales charge:(i) the current value of an investor’s existing Investor A, Investor A1, Investor C, Investor C1, Investor C2, Investor C3, Investor P, Institutional, Class K and Premier Shares in most BlackRock Funds, (ii) the current value of an investor’s existing shares of certain unlisted closed-end management investment companies sponsored and advised by BlackRock or its affiliates (“Eligible Unlisted

BlackRock Closed-End Funds”) and (iii) the investment in the BlackRock CollegeAdvantage 529 Program by the investor or by or on behalf of the investor’s spouse and children. Financial intermediaries may value current holdings of their customers differently for purposes of determining whether an investor qualifies for a breakpoint and a reduced front-end sales charge, although customers of the same financial intermediary will be treated similarly. In order to use this right, the investor must alert BlackRock to the existence of any previously purchased shares. Certain funds employ a “passive” management approach and attempt to match the performance of a target index as closely as possible before the deduction of Fund expenses (“Index Funds”). Although Investor A Shares of Index Funds and BlackRock Short Obligations Fund generally are not subject to a sales charge, an investor’s existing Investor A, Investor A1, Investor C, Investor C1, Investor C2, Investor C3, Investor P, Institutional, Class K and Premier Shares in the Index Funds and BlackRock Short Obligations Fund may be combined with the amount of an investor’s current purchase in determining whether an investor qualifies for a breakpoint and a reduced front-end sales charge.

Letter of Intent. An investor may qualify for a reduced front-end sales charge immediately by signing a “Letter of Intent” stating the investor’s intention to make one or more of the following investments within the next 13 months which would, if bought all at once, qualify the investor for a reduced sales charge: (i) buy a specified amount of Investor A, Investor C, Investor P, Institutional, Class K and/or Premier Shares, (ii) make an investment in one or more Eligible Unlisted BlackRock Closed-End Funds and/or (iii) make an investment through the BlackRock CollegeAdvantage 529 Program in one or more BlackRock Funds. The initial investment must meet the minimum initial purchase requirement. The 13-month Letter of Intent period commences on the day that the Letter of Intent is received by the Fund. The market value of current holdings in the BlackRock Funds (including Investor A, Investor C, Investor P, Institutional, Class K and Premier Shares, Eligible Unlisted BlackRock Closed-End Funds and the BlackRock CollegeAdvantage 529 Program Class A and Class C Units) as of the date of commencement that are eligible under the Right of Accumulation may be counted towards the sales charge reduction. The investor must notify the Fund of (i) any current holdings in the BlackRock Funds, Eligible Unlisted BlackRock Closed-End Funds and/or the BlackRock CollegeAdvantage 529 Program that should be counted towards the sales charge reduction and (ii) any subsequent purchases that should be counted towards the Letter of Intent. During the term of the Letter of Intent, the Fund will hold Investor A Shares and/or Investor P Shares, as applicable, representing up to 5% of the indicated amount in an escrow account for payment of a higher sales load if the full amount indicated in the Letter of Intent is not purchased. If the full amount indicated is not purchased within the 13-month period, and the investor does not pay the higher sales load within 20 days, the Fund will redeem enough of the Investor A Shares and/or Investor P Shares, as applicable, held in escrow to pay the difference.

Shareholders should retain this Supplement for future reference.

SAI-ROA-0719SUP

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BlackRock Advantage U.S. Total Market Fund, Inc.

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BlackRock China A Opportunities Fund
BlackRock Commodity Strategies Fund
BlackRock Emerging Markets Equity Strategies Fund
BlackRock Energy & Resources Portfolio

BlackRock Exchange Portfolio
BlackRock Global Long/Short Equity Fund
BlackRock Health Sciences Opportunities Portfolio
BlackRock High Equity Income Fund
BlackRock Impact U.S. Equity Fund
BlackRock International Dividend Fund
BlackRock Liquid Environmentally Aware Fund
BlackRock Mid-Cap Growth Equity Portfolio
BlackRock Money Market Portfolio
BlackRock Real Estate Securities Fund
BlackRock Short Obligations Fund
BlackRock Tactical Opportunities Fund
BlackRock Technology Opportunities Fund
BlackRock Total Emerging Markets Fund
BlackRock Total Factor Fund
iShares Developed Real Estate Index Fund
iShares Edge MSCI Min Vol EAFE Index Fund
iShares Edge MSCI Min Vol USA Index Fund
iShares Edge MSCI Multifactor Intl Index Fund
iShares Edge MSCI Multifactor USA Index Fund
iShares Municipal Bond Index Fund
iShares Russell Mid-Cap Index Fund
iShares Russell Small/Mid-Cap Index Fund
iShares Short-Term TIPS Bond Index Fund
iShares Total U.S. Stock Market Index Fund

BlackRock Funds II

BlackRock 20/80 Target Allocation Fund
BlackRock 40/60 Target Allocation Fund
BlackRock 60/40 Target Allocation Fund
BlackRock 80/20 Target Allocation Fund
BlackRock Dynamic High Income Portfolio
BlackRock Global Dividend Portfolio
BlackRock LifePath[®] Smart Beta Retirement Fund
BlackRock LifePath[®] Smart Beta 2020 Fund
BlackRock LifePath[®] Smart Beta 2025 Fund
BlackRock LifePath[®] Smart Beta 2030 Fund
BlackRock LifePath[®] Smart Beta 2035 Fund
BlackRock LifePath[®] Smart Beta 2040 Fund
BlackRock LifePath[®] Smart Beta 2045 Fund
BlackRock LifePath[®] Smart Beta 2050 Fund
BlackRock LifePath[®] Smart Beta 2055 Fund
BlackRock LifePath[®] Smart Beta 2060 Fund
BlackRock Managed Income Fund
BlackRock Multi-Asset Income Portfolio

BlackRock Funds III

BlackRock Cash Funds: Institutional
BlackRock Cash Funds: Treasury
BlackRock LifePath[®] Dynamic Retirement Fund
BlackRock LifePath[®] Dynamic 2020 Fund
BlackRock LifePath[®] Dynamic 2025 Fund
BlackRock LifePath[®] Dynamic 2030 Fund

BlackRock LifePath® Dynamic 2035 Fund
BlackRock LifePath® Dynamic 2040 Fund
BlackRock LifePath® Dynamic 2045 Fund
BlackRock LifePath® Dynamic 2050 Fund
BlackRock LifePath® Dynamic 2055 Fund
BlackRock LifePath® Dynamic 2060 Fund
BlackRock LifePath® Index Retirement Fund
BlackRock LifePath® Index 2020 Fund
BlackRock LifePath® Index 2025 Fund
BlackRock LifePath® Index 2030 Fund
BlackRock LifePath® Index 2035 Fund
BlackRock LifePath® Index 2040 Fund
BlackRock LifePath® Index 2045 Fund
BlackRock LifePath® Index 2050 Fund
BlackRock LifePath® Index 2055 Fund
BlackRock LifePath® Index 2060 Fund
iShares MSCI Total International Index Fund
iShares Russell 1000 Large-Cap Index Fund
iShares S&P 500 Index Fund
iShares U.S. Aggregate Bond Index Fund

BlackRock Funds IV

BlackRock Global Long/Short Credit Fund
BlackRock Impact Bond Fund
BlackRock Systematic Multi-Strategy Fund

BlackRock Funds V

BlackRock Core Bond Portfolio
BlackRock Credit Strategies Income Fund
BlackRock Emerging Markets Bond Fund
BlackRock Emerging Markets Flexible Dynamic Bond Portfolio
BlackRock Floating Rate Income Portfolio
BlackRock GNMA Portfolio
BlackRock High Yield Bond Portfolio
BlackRock Inflation Protected Bond Portfolio
BlackRock Low Duration Bond Portfolio
BlackRock Strategic Income Opportunities Portfolio
BlackRock U.S. Government Bond Portfolio

BlackRock Funds VI

BlackRock CoreAlpha Bond Fund

BlackRock Global Allocation Fund, Inc.

BlackRock Index Funds, Inc.

iShares MSCI EAFE International Index Fund
iShares Russell 2000 Small-Cap Index Fund

BlackRock Large Cap Series Funds, Inc.

BlackRock Advantage Large Cap Core Fund
BlackRock Advantage Large Cap Value Fund
BlackRock Event Driven Equity Fund
BlackRock Large Cap Focus Growth Fund

BlackRock Latin America Fund, Inc.

BlackRock Liquidity Funds

California Money Fund
Federal Trust Fund
FedFund
MuniCash
MuniFund
New York Money Fund
TempCash
TempFund
T-Fund
Treasury Trust Fund

BlackRock Long-Horizon Equity Fund

BlackRock Mid Cap Dividend Series, Inc.

BlackRock Mid Cap Dividend Fund

BlackRock Multi-State Municipal Series Trust

BlackRock New Jersey Municipal Bond Fund
BlackRock New York Municipal Opportunities Fund
BlackRock Pennsylvania Municipal Bond Fund

BlackRock Municipal Bond Fund, Inc.

BlackRock High Yield Municipal Fund
BlackRock National Municipal Fund
BlackRock Short-Term Municipal Fund

BlackRock Municipal Series Trust

BlackRock Strategic Municipal Opportunities Fund

BlackRock Natural Resources Trust

BlackRock Series Fund, Inc.

BlackRock Advantage Large Cap Core Portfolio
BlackRock Balanced Capital Portfolio
BlackRock Capital Appreciation Portfolio
BlackRock Global Allocation Portfolio
BlackRock Government Money Market Portfolio

BlackRock Series Fund II, Inc.

BlackRock High Yield Portfolio
BlackRock U.S. Government Bond Portfolio

BlackRock Series, Inc.

BlackRock International Fund

BlackRock Strategic Global Bond Fund, Inc.**BlackRock Variable Series Funds, Inc.**

BlackRock 60/40 Target Allocation ETF V.I. Fund
 BlackRock Advantage Large Cap Core V.I. Fund
 BlackRock Advantage Large Cap Value V.I. Fund
 BlackRock Advantage U.S. Total Market V.I. Fund
 BlackRock Basic Value V.I. Fund
 BlackRock Capital Appreciation V.I. Fund
 BlackRock Equity Dividend V.I. Fund
 BlackRock Global Allocation V.I. Fund
 BlackRock Government Money Market V.I. Fund
 BlackRock International Index V.I. Fund
 BlackRock International V.I. Fund
 BlackRock Large Cap Focus Growth V.I. Fund
 BlackRock Managed Volatility V.I. Fund
 BlackRock S&P 500 Index V.I. Fund
 BlackRock Small Cap Index V.I. Fund

BlackRock Variable Series Funds II, Inc.

BlackRock High Yield V.I. Fund
 BlackRock Total Return V.I. Fund
 BlackRock U.S. Government Bond V.I. Fund

FDP Series, Inc.

FDP BlackRock Capital Appreciation Fund
 FDP BlackRock Equity Dividend Fund
 FDP BlackRock International Fund

FDP Series II, Inc.

FDP BlackRock CoreAlpha Bond Fund

Funds For Institutions Series

BlackRock Premier Government Institutional Fund
 BlackRock Select Treasury Strategies Institutional Fund
 BlackRock Treasury Strategies Institutional Fund
 FFI Government Fund
 FFI Treasury Fund

Managed Account Series

BlackRock GA Disciplined Volatility Equity Fund
 BlackRock GA Dynamic Equity Fund

Managed Account Series II

BlackRock U.S. Mortgage Portfolio

Ready Assets Government Liquidity Fund**Ready Assets U.S. Treasury Money Fund****Retirement Series Trust**

Retirement Reserves Money Fund

(each, a “Fund” and collectively, the “Funds”)

Supplement dated July 1, 2019 to the Statement of Additional Information of each Fund

Each Fund’s Statement of Additional Information is amended as follows:

The list in the section entitled “Purchase of Shares — Additional Payments by BlackRock — C. Service Organizations Receiving Additional Payments”, “Purchase of Shares — Additional Payments by BlackRock — D. Service Organizations Receiving Additional Payments”, “Miscellaneous — Additional Payments by BlackRock — D. Service Organizations Receiving Additional Payments”, “Investment Advisory Arrangements — Additional Payments by BlackRock — D. Service Organizations Receiving Additional Payments” or “Investment Adviser and Other Service Providers — Additional Payments by BlackRock — D. Service Organizations Receiving Additional Payments” in Part II, as applicable, of each Fund’s current Statement of Additional Information is deleted in its entirety and replaced with the following:

AccuTech Systems Corporation
 ADP Broker-Dealer, Inc.
 Advisor Group, Inc.

Alight Solutions LLC
 Allianz Life Financial Services, LLC
 Allianz Life Insurance Company of New York

Allianz Life Insurance Company of North America
American Enterprise Investment Services, Inc.
American Fidelity Assurance Company
American Fidelity Securities, Inc.
American General Life Insurance Company
American United Life Insurance Company
Annuity Investors Life Insurance Company
Ascensus Broker Dealer Services, Inc.
Ascensus, Inc.
AXA Advisors, LLC
AXA Equitable Life Insurance Company
Bank of America, N.A.
Bank of New York Mellon, The
Barclays Capital Inc.
BB&T Retirement & Institutional Services
Benefit Plans Administrative Services, Inc.
Benefit Trust Company
BlackRock Advisors, LLC
BMO Capital Markets Corp.
BNP Paribas Investment Partners UK Limited
BNY Mellon, N.A.
BOKF, N.A.
Brighthouse Life Insurance Company
Brighthouse Life Insurance Company of NY
Broadridge Business Process Outsourcing, LLC
Brown Brothers Harriman & Co.
Cetera Advisor Networks LLC
Cetera Advisors LLC
Cetera Financial Group
Cetera Financial Specialists LLC
Cetera Investment Services LLC
Charles Schwab & Co., Inc.
Charles Schwab Bank
Chicago Mercantile Exchange Inc.
Citco Securities, LLC
CitiBank, National Association
Citigroup Global Markets, Inc.
Citizens Bank
Citizens Business Bank
CME Shareholder Servicing LLC
CMFG Life Insurance Company
Comerica Bank
Commonwealth Financial Network
Computershare Trust Company
Conduent HR Services, LLC
Credit Suisse Securities (USA) LLC
CSC Trust Company of Delaware
Delaware Life Insurance Company
Delaware Life Insurance Company of New York
Deutsche Bank AG
Deutsche Bank Trust Company Americas
Digital Retirement Solutions, Inc.

Edward D. Jones & Co., L.P.
Empire Fidelity Investments Life Insurance
Company
E*trade Savings Bank
Federal Deposit Insurance Corporation
Fidelity Brokerage Services LLC
Fidelity Investments Institutional Operations
Company, Inc.
Fidelity Investments Life Insurance Company
Fifth Third Securities, Inc.
First Allied Securities, Inc.
First Command Financial Planning, Inc.
First Hawaiian Bank
First Mercantile Trust Company
First Republic Bank
First Security Benefit Life Insurance and Annuity
Company of New York
First Symetra National Life Insurance Company of
New York
FIS Brokerage & Securities Services LLC
Forethought Life Insurance Company
FSC Securities Corporation
Genworth Life and Annuity Insurance Company
Genworth Life Insurance Company of New York
Global Atlantic Distributors, LLC
Goldman Sachs & Co.
Great-West Financial Retirement Plan Services, LLC
Great-West Life & Annuity Insurance Company
Great-West Life & Annuity Insurance Company of
New York
Guardian Insurance & Annuity Company, Inc., The
GWFS Equities, Inc.
Hancock Whitney Bank
Hartford Funds Management Company
Hartford Life Insurance Company
Hartford Securities Distribution Company, Inc.
Hazeltree Fund Services, Inc.
Hightower Securities, Inc.
Hilltop Securities Inc.
HSBC Bank USA, N.A.
Huntington Investment Company, The
Institutional Cash Distributors, LLC
Integrity Life Insurance Company
J.P. Morgan Securities LLC
Jefferies LLC
Jefferson National Life Insurance Company
Jefferson National Life Insurance Company of
New York
John Hancock Life Insurance Company (U.S.A.)
John Hancock Life Insurance Company of New York
John Hancock Trust Company
JPMorgan Chase Bank, N.A.

Kestra Investment Services, LLC
 Lincoln Financial Advisors Corporation
 Lincoln Financial Distributors, Inc.
 Lincoln Financial Securities Corporation
 Lincoln Life & Annuity Company of New York
 Lincoln National Life Insurance Company
 Lincoln Retirement Services LLC
 LPL Financial LLC
 M&T Securities Inc.
 Manufacturers and Traders Trust Company
 Massachusetts Mutual Life Insurance Company
 Members Life Insurance Company
 Mercer HR Services, LLC
 Merrill Lynch, Pierce, Fenner & Smith Incorporated
 Metavante Corporation
 Metropolitan Life Insurance Company
 Mid Atlantic Capital Corporation
 Midland Life Insurance Company
 Minnesota Life Insurance Company
 Mizuho Securities USA Inc.
 MML Distributors, LLC
 MML Investors Services, LLC
 Morgan Stanley & Co. LLC
 Morgan Stanley Distribution, Inc.
 Morgan Stanley Smith Barney LLC
 MUFG Union Bank, National Association
 National Financial Services LLC
 National Integrity Life Insurance Company
 National Life Insurance Company
 Nationwide Financial Services, Inc.
 Nationwide Fund Distributors LLC
 Nationwide Retirement Solutions
 NCB Federal Savings Bank
 New England Pension Plan Systems, LLC
 New York Life Insurance and Annuity Corporation
 Newport Retirement Services, Inc.
 NEX Treasury Limited
 Northbrook Bank & Trust Company
 Northern Trust Company, The
 Northwestern Mutual Investment Services, LLC
 NYLife Distributors LLC
 Oppenheimer & Co., Inc.
 Orion Advisor Services, LLC
 Pacific Life & Annuity Company
 Pacific Life Insurance Company
 Pacific Select Distributors, LLC
 Park Avenue Securities LLC
 Pershing LLC
 PFPC Inc.
 Piper Jaffray & Co.
 PNC Bank, National Association
 PNC Capital Markets LLC
 PNC Investments LLC
 Principal Life Insurance Company
 Pruco Life Insurance Company
 Pruco Life Insurance Company of New Jersey
 Prudential Annuities Distributors, Inc.
 Prudential Insurance Company of America
 Raymond James & Associates, Inc.
 Raymond James Financial Services, Inc.
 RBC Capital Markets, LLC
 Regions Bank
 Reliance Trust Company
 Reliastar Life Insurance Company
 Reliastar Life Insurance Company of New York
 RiverSource Distributors, Inc.
 RiverSource Life Insurance Co. of New York
 RiverSource Life Insurance Company
 Royal Alliance Associates, Inc.
 SagePoint Financial, Inc.
 Sammons Retirement Solutions, Inc.
 Santander Bank, N.A.
 Saturna Trust Company
 Security Benefit Life Insurance Company
 Security Financial Resources, Inc.
 Security Life of Denver Insurance Company
 SEI Private Trust Company
 SG Americas Securities, LLC
 Silicon Valley Bank
 Standard Insurance Company
 State Farm Life and Accident Assurance Company
 State Farm Life Insurance Company
 State Farm VP Management Corp.
 State Street Global Markets, LLC
 Stifel, Nicolaus & Company, Incorporated
 Summit Brokerage Services, Inc.
 SunTrust Bank
 SVB Asset Management
 Symetra Life Insurance Company
 Syntal Capital Partners, LLC
 T. Rowe Price Retirement Plan Services, Inc.
 Talcott Resolution Life and Annuity Insurance
 Company
 Talcott Resolution Life Insurance Company
 TD Ameritrade Clearing, Inc.
 TD Ameritrade Trust Company
 TD Ameritrade, Inc.
 TD Prime Services (US) LLC
 Teachers Insurance and Annuity Association of
 America
 Transamerica Advisors Life Insurance Company
 Transamerica Life Insurance Company
 Treasury Brokerage
 U.S. Bancorp Investments, Inc.

U.S. Bank, National Association
UBATCO & Co.
UBS Financial Services, Inc.
UBS Securities LLC
UMB Bank, National Association
United States Life Insurance Company in the City of
New York, The
VALIC Retirement Services Company
Vanguard Group, Inc., The
Vanguard Marketing Corporation
Voya Financial Advisors, Inc.
Voya Financial Partners, LLC
Voya Insurance and Annuity Company

Voya Institutional Plan Services, LLC
Voya Investments Distributor, LLC
Voya Retirement Insurance and Annuity Company
Wells Fargo Advisors, LLC
Wells Fargo Advisors Financial Network, LLC
Wells Fargo Bank, N.A.
Wells Fargo Clearing Services, LLC
Wells Fargo Investments, LLC
Wells Fargo Securities, LLC
Wilmington Trust, National Association
Woodbury Financial Services, Inc.
ZB, National Association

Shareholders should retain this Supplement for future reference.

SAI-GLOBAL-0719SUP

BLACKROCK LARGE CAP SERIES FUNDS, INC.
BlackRock Large Cap Focus Growth Fund
(the “Fund”)

Supplement dated May 23, 2019 to the Summary Prospectuses, Prospectuses and Statement of Additional Information (“SAI”) of the Fund, each dated October 26, 2018, as supplemented to date

Effective May 24, 2019, BlackRock (as defined below) has agreed to: (i) lower contractual total operating expense caps for each share class of the Fund; (ii) reduce administration fees for the Fund; and (iii) extend the Fund’s existing contractual fee waivers. To achieve the expense caps, BlackRock has agreed to waive and/or reimburse fees or expenses if the Fund’s annual fund operating expenses, excluding certain expenses described in the prospectus, exceed a certain limit for the Fund’s Investor A, Investor C, Institutional, Class R, Service and Class K Shares. In addition, BlackRock may recoup some of the waivers and reimbursements to the Fund in the following two fiscal years. Accordingly, effective May 24, 2019, the Fund’s Summary Prospectuses, Prospectuses and SAI are amended as follows:

The section of the Investor A, Investor C, Institutional and Class R Shares Summary Prospectus entitled “Key Facts About BlackRock Large Cap Focus Growth Fund—Fees and Expenses of the Fund” and the section of the Investor A, Investor C, Institutional and Class R Shares Prospectus entitled “Fund Overview—Key Facts About BlackRock Large Cap Focus Growth Fund—Fees and Expenses of the Fund” are deleted in their entirety and replaced with the following:

Fees and Expenses of the Fund

This table describes the fees and expenses that you may pay if you buy and hold shares of the Fund. You may qualify for sales charge discounts if you and your family invest, or agree to invest in the future, at least \$25,000 in the fund complex advised by BlackRock Advisors, LLC (“BlackRock”) or its affiliates. More information about these and other discounts is available from your financial professional or your selected securities dealer, broker, investment adviser, service provider or industry professional (including BlackRock and its affiliates) (each a “Financial Intermediary”) and in the “Details About the Share Classes” and the “Intermediary-Defined Sales Charge Waiver Policies” sections on pages 22 and A-1, respectively, of the Fund’s prospectus and in the “Purchase of Shares” section on page II-72 of Part II of the Fund’s Statement of Additional Information.

Shareholder Fees (fees paid directly from your investment)	Investor A Shares	Investor C Shares	Institutional Shares	Class R Shares
Maximum Sales Charge (Load) Imposed on Purchases (as a percentage of offering price)	5.25%	None	None	None
Maximum Deferred Sales Charge (Load) (as a percentage of offering price or redemption proceeds, whichever is lower)	None ¹	1.00% ²	None	None
Annual Fund Operating Expenses (expenses that you pay each year as a percentage of the value of your investment)³	Investor A Shares	Investor C Shares	Institutional Shares	Class R Shares
Management Fee ^{3,4}	0.50%	0.50%	0.50%	0.50%
Distribution and/or Service (12b-1) Fees	0.25%	1.00%	None	0.50%
Other Expenses ^{5,6}	0.34%	0.36%	0.31%	0.34%
Administration Fee ⁵	0.12%	0.12%	0.12%	0.12%
Miscellaneous Other Expenses ⁶	0.22%	0.24%	0.19%	0.22%
Total Annual Fund Operating Expenses ⁷	1.09%	1.86%	0.81%	1.34%
Fee Waivers and/or Expense Reimbursements ^{4,8}	(0.17)%	(0.19)%	(0.14)%	(0.17)%
Total Annual Fund Operating Expenses After Fee Waivers and/or Expense Reimbursements ^{4,8}	0.92%	1.67%	0.67%	1.17%

¹ A contingent deferred sales charge (“CDSC”) of 1.00% is assessed on certain redemptions of Investor A Shares made within 18 months after purchase where no initial sales charge was paid at time of purchase as part of an investment of \$1,000,000 or more.

² There is no CDSC on Investor C Shares after one year.

- ³ The fees and expenses shown in the table and the example that follows include both the expenses of the Fund and the Fund's share of the allocated expenses of Master Large Cap Focus Growth Portfolio (the "Master Portfolio"), a series of Master Large Cap Series LLC (the "Master LLC"). Management Fees are paid by the Master Portfolio.
- ⁴ As described in the "Management of the Fund" section of the Fund's prospectus beginning on page 37, BlackRock has contractually agreed to waive the management fee with respect to any portion of the Master Portfolio's assets estimated to be attributable to investments in other equity and fixed-income mutual funds and exchange-traded funds managed by BlackRock or its affiliates that have a contractual management fee, through October 31, 2020. The contractual agreement may be terminated upon 90 days' notice by a majority of the non-interested directors of the Master LLC or by a vote of a majority of the outstanding voting securities of the Master Portfolio.
- ⁵ The Administration Fee has been restated to reflect current fees.
- ⁶ Miscellaneous Other Expenses have been restated to reflect current fees.
- ⁷ Total Annual Fund Operating Expenses do not correlate to the ratios of expense to average net assets given in the Fund's most recent annual report, which do not include the restatement of the Administration Fee or Miscellaneous Other Expenses to reflect current fees.
- ⁸ As described in the "Management of the Fund" section of the Fund's prospectus beginning on page 37, BlackRock has contractually agreed to waive and/or reimburse fees or expenses in order to limit Total Annual Fund Operating Expenses After Fee Waivers and/or Expense Reimbursements (excluding Dividend Expense, Interest Expense, Acquired Fund Fees and Expenses and certain other Fund expenses) as a percentage of average daily net assets to 0.92% (for Investor A Shares), 1.67% (for Investor C Shares), 0.67% (for Institutional Shares) and 1.17% (for Class R Shares) through October 31, 2020. The contractual agreement may be terminated upon 90 days' notice by a majority of the non-interested directors of the Corporation or by a vote of a majority of the outstanding voting securities of the Fund.

Example:

This Example is intended to help you compare the cost of investing in the Fund with the cost of investing in other mutual funds. The Example assumes that you invest \$10,000 in the Fund for the time periods indicated and then redeem all of your shares at the end of those periods. The Example also assumes that your investment has a 5% return each year and that the Fund's operating expenses remain the same. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

	1 Year	3 Years	5 Years	10 Years
Investor A Shares	\$614	\$837	\$1,079	\$1,769
Investor C Shares	\$270	\$566	\$ 988	\$2,164
Institutional Shares	\$ 68	\$245	\$ 436	\$ 989
Class R Shares	\$119	\$408	\$ 718	\$1,598

You would pay the following expenses if you did not redeem your shares:

	1 Year	3 Years	5 Years	10 Years
Investor C Shares	\$170	\$566	\$988	\$2,164

Portfolio Turnover:

The Master Portfolio pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs and may result in higher taxes when shares are held in a taxable account. These costs, which are not reflected in annual fund operating expenses or in the Example, affect the Master Portfolio's performance. During the most recent fiscal year, the Master Portfolio's portfolio turnover rate was 49% of the average value of its portfolio.

The fourth paragraph of the section of the Investor A, Investor C, Institutional and Class R Shares Prospectus of the Fund entitled "Management of the Fund—BlackRock" is deleted in its entirety and replaced with the following:

BlackRock has contractually agreed to waive the management fee with respect to any portion of the Master Portfolio's assets estimated to be attributable to investments in other equity and fixed-income mutual funds and

exchange-traded funds managed by BlackRock or its affiliates that have a contractual management fee, through October 31, 2020. The contractual agreement may be terminated upon 90 days' notice by a majority of the non-interested directors of the Master LLC or by a vote of a majority of the outstanding voting securities of the Master Portfolio.

The first paragraph of the section of the Investor A, Investor C, Institutional and Class R Shares Prospectus of the Fund entitled “Management of the Fund—BlackRock—Administrator” is deleted in its entirety and replaced with the following:

BlackRock also acts as the administrator (in such capacity, the “Administrator”) to the Fund. The Fund pays the Administrator an administration fee at the annual rate of 0.12% of the average daily net assets of the Fund. Prior to May 24, 2019, the Administrator was eligible to receive from the Fund an administration fee at the annual rate of 0.25% of the average daily net assets of the Fund.

The third paragraph of the section of the Investor A, Investor C, Institutional and Class R Shares Prospectus of the Fund entitled “Management of the Fund—BlackRock—Administrator” is deleted in its entirety and replaced with the following:

With respect to the Fund, the Administrator has agreed contractually to waive and/or reimburse fees or expenses in order to limit Total Annual Fund Operating Expenses to the amounts noted in the table below.

	Contractual Caps¹ on Total Annual Fund Operating Expenses² (excluding Dividend Expense, Interest Expense, Acquired Fund Fees and Expenses and certain other Fund expenses)
Investor A Shares	0.92%
Investor C Shares	1.67%
Institutional Shares	0.67%
Class R Shares	1.17%

¹ The contractual caps are in effect through October 31, 2020. The contractual agreement may be terminated upon 90 days' notice by a majority of the non-interested directors of the Corporation or by a vote of a majority of the outstanding voting securities of the Fund.

² As a percentage of average daily net assets.

The section of the Service Shares Summary Prospectus entitled “Key Facts About BlackRock Large Cap Focus Growth Fund—Fees and Expenses of the Fund” and the section of the Service Shares Prospectus entitled “Fund Overview—Key Facts About BlackRock Large Cap Focus Growth Fund—Fees and Expenses of the Fund” are deleted in their entirety and replaced with the following:

Fees and Expenses of the Fund

This table describes the fees and expenses that you may pay if you buy and hold Service Shares of the Fund.

Annual Fund Operating Expenses (expenses that you pay each year as a percentage of the value of your investment)¹	Service Shares
Management Fee ^{1,2}	0.50%
Distribution and/or Service (12b-1) Fees	0.25%
Other Expenses ^{3,4}	0.35%
Administration Fee ³	0.12%
Miscellaneous Other Expenses ⁴	0.23%
Total Annual Fund Operating Expenses⁵	1.10%
Fee Waivers and/or Expense Reimbursements^{2,6}	(0.18)%
Total Annual Fund Operating Expenses After Fee Waivers and/or Expense Reimbursements^{2,6}	0.92%

¹ The fees and expenses shown in the table and the example that follows include both the expenses of the Fund and the Fund’s share of the allocated expenses of Master Large Cap Focus Growth Portfolio (the “Master Portfolio”), a series of Master Large Cap Series LLC (the “Master LLC”). Management Fees are paid by the Master Portfolio.

² As described in the “Management of the Fund” section of the Fund’s prospectus beginning on page 25, BlackRock Advisors, LLC (“BlackRock”) has contractually agreed to waive the management fee with respect to any portion of the Master Portfolio’s assets estimated to be attributable to investments in other equity and fixed-income mutual funds and exchange-traded funds managed by BlackRock or its affiliates that have a contractual management fee, through October 31, 2020. The contractual agreement may be terminated upon 90 days’ notice by a majority of the non-interested directors of the Master LLC or by a vote of a majority of the outstanding voting securities of the Master Portfolio.

³ The Administration Fee has been restated to reflect current fees.

⁴ Miscellaneous Other Expenses have been restated to reflect current fees.

⁵ Total Annual Fund Operating Expenses do not correlate to the ratios of expenses to average net assets given in the Fund’s most recent annual report, which do not include the restatement of the Administration Fee or Miscellaneous Other Expenses to reflect current fees.

⁶ As described in the “Management of the Fund” section of the Fund’s prospectus beginning on page 25, BlackRock has contractually agreed to waive and/or reimburse fees or expenses in order to limit Total Annual Fund Operating Expenses After Fee Waivers and/or Expense Reimbursements (excluding Dividend Expense, Interest Expense, Acquired Fund Fees and Expenses and certain other Fund expenses) to 0.92% of average daily net assets through October 31, 2020. The contractual agreement may be terminated upon 90 days’ notice by a majority of the non-interested directors of the Corporation or by a vote of a majority of the outstanding voting securities of the Fund.

Example:

This Example is intended to help you compare the cost of investing in the Fund with the cost of investing in other mutual funds. The Example assumes that you invest \$10,000 in the Fund for the time periods indicated and then redeem all of your shares at the end of those periods. The Example also assumes that your investment has a 5% return each year and that the Fund’s operating expenses remain the same. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

	1 Year	3 Years	5 Years	10 Years
Service Shares	\$94	\$332	\$589	\$1,324

Portfolio Turnover:

The Master Portfolio pays transaction costs, such as commissions, when it buys and sells securities (or “turns over” its portfolio). A higher portfolio turnover rate may indicate higher transaction costs and may result in higher taxes when shares are held in a taxable account. These costs, which are not reflected in annual fund operating expenses or in the Example, affect the Master Portfolio’s performance. During the most recent fiscal year, the Master Portfolio’s portfolio turnover rate was 49% of the average value of its portfolio.

The fourth paragraph of the section of the Service Shares Prospectus of the Fund entitled “Management of the Fund—BlackRock” is deleted in its entirety and replaced with the following:

BlackRock has contractually agreed to waive the management fee with respect to any portion of the Master Portfolio’s assets estimated to be attributable to investments in other equity and fixed-income mutual funds and exchange-traded funds managed by BlackRock or its affiliates that have a contractual management fee, through October 31, 2020. The contractual agreement may be terminated upon 90 days’ notice by a majority of the non-interested directors of the Master LLC or by a vote of a majority of the outstanding voting securities of the Master Portfolio.

The first paragraph of the section of the Service Shares Prospectus of the Fund entitled “Management of the Fund—BlackRock—Administrator” is deleted in its entirety and replaced with the following:

BlackRock also acts as the administrator (in such capacity, the “Administrator”) to the Fund. The Fund pays the Administrator an administration fee at the annual rate of 0.12% of the average daily net assets of the Fund. Prior to May 24, 2019, the Administrator was eligible to receive from the Fund an administration fee at the annual rate of 0.25% of the average daily net assets of the Fund.

The third paragraph of the section of the Service Shares Prospectus of the Fund entitled “Management of the Fund—BlackRock—Administrator” is deleted in its entirety and replaced with the following:

With respect to the Fund, the Administrator has agreed contractually to waive and/or reimburse fees or expenses in order to limit Total Annual Fund Operating Expenses to the amount noted in the table below.

	Contractual Cap¹ on Total Annual Fund Operating Expenses² (excluding Dividend Expense, Interest Expense, Acquired Fund Fees and Expenses and certain other Fund expenses)
Service Shares	0.92%

¹ The contractual cap is in effect through October 31, 2020. The contractual agreement may be terminated upon 90 days’ notice by a majority of the non-interested directors of the Corporation or by a vote of a majority of the outstanding voting securities of the Fund.

² As a percentage of average daily net assets.

The section of the Class K Shares Summary Prospectus entitled “Key Facts About BlackRock Large Cap Focus Growth Fund—Fees and Expenses of the Fund” and the section of the Class K Shares Prospectus entitled “Fund Overview—Key Facts About BlackRock Large Cap Focus Growth Fund—Fees and Expenses of the Fund” are deleted in their entirety and replaced with the following:

Fees and Expenses of the Fund

This table describes the fees and expenses that you may pay if you buy and hold Class K Shares of the Fund.

Annual Fund Operating Expenses (expenses that you pay each year as a percentage of the value of your investment)¹	Class K Shares
Management Fee ^{1,2}	0.50%
Distribution and/or Service (12b-1) Fees	None
Other Expenses ^{3,4}	0.18%
Administration Fee ³	0.12%
Miscellaneous Other Expenses ⁴	0.06%
Total Annual Fund Operating Expenses ⁵	0.68%
Fee Waivers and/or Expense Reimbursements ^{2,6}	(0.06)%
Total Annual Fund Operating Expenses After Fee Waivers and/or Expense Reimbursements ^{2,6}	0.62%

¹ The fees and expenses shown in the table and the example that follows include both the expenses of the Fund and the Fund’s share of the allocated expenses of Master Large Cap Focus Growth Portfolio (the “Master Portfolio”), a series of Master Large Cap Series LLC (the “Master LLC”). Management Fees are paid by the Master Portfolio.

² As described in the “Management of the Fund” section of the Fund’s prospectus beginning on page 26, BlackRock Advisors, LLC (“BlackRock”) has contractually agreed to waive the management fee with respect to any portion of the Master Portfolio’s assets estimated to be attributable to investments in other equity and fixed-income mutual funds and exchange-traded funds managed by BlackRock or its affiliates that have a contractual management fee, through October 31, 2020. The contractual agreement may be terminated upon 90 days’ notice by a majority of the non-interested directors of the Master LLC or by a vote of a majority of the outstanding voting securities of the Master Portfolio.

³ The Administration Fee has been restated to reflect current fees.

⁴ Miscellaneous Other Expenses are based on estimated amounts for the current year.

⁵ Total Annual Fund Operating Expenses do not correlate to the ratio of expenses to average net assets given in the Fund’s most recent annual report, which does not include the restatement of the Administration Fee to reflect current fees.

⁶ As described in the “Management of the Fund” section of the Fund’s prospectus beginning on page 26, BlackRock has contractually agreed to waive and/or reimburse fees or expenses in order to limit Total Annual Fund Operating Expenses After Fee Waivers and/or Expense Reimbursements (excluding Dividend Expense, Interest Expense, Acquired Fund Fees and Expenses and certain other Fund expenses) to 0.62% of average daily net assets through October 31, 2020. The contractual agreement may be terminated upon 90 days’ notice by a majority of the non-interested directors of the Corporation or by a vote of a majority of the outstanding voting securities of the Fund.

Example:

This Example is intended to help you compare the cost of investing in the Fund with the cost of investing in other mutual funds. The Example assumes that you invest \$10,000 in the Fund for the time periods indicated and then redeem all of your shares at the end of those periods. The Example also assumes that your investment has a 5% return each year and that the Fund’s operating expenses remain the same. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

	1 Year	3 Years	5 Years	10 Years
Class K Shares	\$63	\$212	\$373	\$841

Portfolio Turnover:

The Master Portfolio pays transaction costs, such as commissions, when it buys and sells securities (or “turns over” its portfolio). A higher portfolio turnover rate may indicate higher transaction costs and may result in higher taxes when shares are held in a taxable account. These costs, which are not reflected in annual fund operating expenses or in the Example, affect the Master Portfolio’s performance. During the most recent fiscal year, the Master Portfolio’s portfolio turnover rate was 49% of the average value of its portfolio.

The fourth paragraph of the section of the Class K Shares Prospectus of the Fund entitled “Management of the Fund—BlackRock” is deleted in its entirety and replaced with the following:

BlackRock has contractually agreed to waive the management fee with respect to any portion of the Master Portfolio’s assets estimated to be attributable to investments in other equity and fixed-income mutual funds and exchange-traded funds managed by BlackRock or its affiliates that have a contractual management fee, through October 31, 2020. The contractual agreement may be terminated upon 90 days’ notice by a majority of the non-interested directors of the Master LLC or by a vote of a majority of the outstanding voting securities of the Master Portfolio.

The first paragraph of the section of the Class K Shares Prospectus of the Fund entitled “Management of the Fund—BlackRock—Administrator” is deleted in its entirety and replaced with the following:

BlackRock also acts as the administrator (in such capacity, the “Administrator”) to the Fund. The Fund pays the Administrator an administration fee at the annual rate of 0.12% of the average daily net assets of the Fund. Prior to May 24, 2019, the Administrator was eligible to receive from the Fund an administration fee at the annual rate of 0.25% of the average daily net assets of the Fund.

The third paragraph of the section of the Class K Shares Prospectus of the Fund entitled “Management of the Fund—BlackRock—Administrator” is deleted in its entirety and replaced with the following:

With respect to the Fund, the Administrator has agreed contractually to waive and/or reimburse fees or expenses in order to limit Total Annual Fund Operating Expenses to the amount noted in the table below.

	Contractual Cap¹ on Total Annual Fund Operating Expenses² (excluding Dividend Expense, Interest Expense, Acquired Fund Fees and Expenses and certain other Fund expenses)
Service Shares	0.62%

¹ The contractual cap is in effect through October 31, 2020. The contractual agreement may be terminated upon 90 days’ notice by a majority of the non-interested directors of the Corporation or by a vote of a majority of the outstanding voting securities of the Fund.

² As a percentage of average daily net assets.

The third paragraph in the section of the SAI entitled “Management, Advisory and Other Service Arrangements—Management Agreement” is deleted in its entirety and replaced with the following:

BlackRock has contractually agreed to waive the management fee with respect to any portion of the Master Portfolio’s assets estimated to be attributable to investments in other equity and fixed-income mutual funds and exchange-traded funds managed by BlackRock or its affiliates that have a contractual management fee, through October 31, 2020. The contractual agreement may be terminated upon 90 days’ notice by a majority of the non-interested directors of the Master LLC or by a vote of a majority of the outstanding voting securities of the Master Portfolio.

The first paragraph in the section of the SAI entitled “Management, Advisory and Other Service Arrangements—Administration Arrangements” is deleted in its entirety and replaced with the following:

The Corporation, on behalf of itself and the Fund, has entered into an administration agreement (the “Administration Agreement”) with BlackRock as administrator (in such capacity, the “Administrator”). The

Administrator has agreed to maintain office facilities for the Fund; furnish the Fund with clerical, bookkeeping and administrative services; oversee the determination and publication of net asset value for the Fund; oversee the preparation and filing of Federal, state and local income tax returns; prepare certain reports required by regulatory authorities; calculate various contractual expenses; determine the amount of dividends and distributions available for payment by the Fund to its shareholders; prepare and arrange for the printing of dividend notices to shareholders; provide the service providers for the Fund with such information as is required to effect the payment of dividends and distributions; and serve as liaison with the Corporation's officers, independent accountants, legal counsel, custodian, accounting agent and transfer and dividend disbursing agent in establishing the accounting policies of the Fund and monitoring financial and shareholder accounting services. The Administrator receives for its services to the Corporation with respect to the Fund monthly compensation at the annual rate of 0.12% of the average daily net assets of the Fund. Prior to May 24, 2019, the Administrator received for its services to the Corporation with respect to the Fund monthly compensation at the annual rate of 0.25% of the average daily net assets of the Fund.

Shareholders should retain this Supplement for future reference.

PR2SAI-LCFG-0519SUP

BIF Money Fund

BlackRock Advantage Global Fund, Inc.

BlackRock Advantage U.S. Total Market Fund, Inc.

BlackRock Allocation Target Shares

BATS: Series A Portfolio
BATS: Series C Portfolio
BATS: Series E Portfolio
BATS: Series M Portfolio
BATS: Series P Portfolio
BATS: Series S Portfolio

BlackRock Asian Dragon Fund, Inc.

BlackRock Basic Value Fund, Inc.

BlackRock California Municipal Series Trust

BlackRock California Municipal Opportunities Fund

BlackRock Emerging Markets Fund, Inc.

BlackRock Equity Dividend Fund

BlackRock EuroFund

BlackRock Financial Institutions Series Trust

BlackRock Summit Cash Reserves Fund

BlackRock Focus Growth Fund, Inc.

BlackRock FundsSM

BlackRock Advantage Emerging Markets Fund
BlackRock Advantage Small Cap Core Fund
BlackRock China A Opportunities Fund
BlackRock Commodity Strategies Fund
BlackRock Emerging Markets Equity Strategies Fund
BlackRock Exchange Portfolio
BlackRock Global Long/Short Equity Fund
BlackRock Impact U.S. Equity Fund
BlackRock Money Market Portfolio
BlackRock Real Estate Securities Fund
BlackRock Short Obligations Fund
BlackRock Total Emerging Markets Fund
BlackRock Total Factor Fund
iShares Developed Real Estate Index Fund
iShares Edge MSCI Min Vol EAFE Index Fund
iShares Edge MSCI Min Vol USA Index Fund
iShares Edge MSCI Multifactor Intl Index Fund

iShares Edge MSCI Multifactor USA Index Fund
iShares MSCI Developed World Index Fund
iShares Municipal Bond Index Fund
iShares Russell Mid-Cap Index Fund
iShares Russell Small/Mid-Cap Index Fund
iShares Short-Term TIPS Bond Index Fund
iShares Total U.S. Stock Market Index Fund

BlackRock Funds II

BlackRock Dynamic High Income Portfolio
BlackRock Global Dividend Portfolio
BlackRock LifePath[®] Smart Beta 2020 Fund
BlackRock LifePath[®] Smart Beta 2025 Fund
BlackRock LifePath[®] Smart Beta 2030 Fund
BlackRock LifePath[®] Smart Beta 2035 Fund
BlackRock LifePath[®] Smart Beta 2040 Fund
BlackRock LifePath[®] Smart Beta 2045 Fund
BlackRock LifePath[®] Smart Beta 2050 Fund
BlackRock LifePath[®] Smart Beta 2055 Fund
BlackRock LifePath[®] Smart Beta 2060 Fund
BlackRock LifePath[®] Smart Beta Retirement Fund
BlackRock Managed Income Fund
BlackRock Multi-Asset Income Portfolio

BlackRock Funds III

BlackRock Cash Funds: Institutional
BlackRock Cash Funds: Treasury
BlackRock LifePath[®] Dynamic Retirement Fund
BlackRock LifePath[®] Dynamic 2020 Fund
BlackRock LifePath[®] Dynamic 2025 Fund
BlackRock LifePath[®] Dynamic 2030 Fund
BlackRock LifePath[®] Dynamic 2035 Fund
BlackRock LifePath[®] Dynamic 2040 Fund
BlackRock LifePath[®] Dynamic 2045 Fund
BlackRock LifePath[®] Dynamic 2050 Fund
BlackRock LifePath[®] Dynamic 2055 Fund
BlackRock LifePath[®] Dynamic 2060 Fund
BlackRock LifePath[®] Index Retirement Fund
BlackRock LifePath[®] Index 2020 Fund
BlackRock LifePath[®] Index 2025 Fund
BlackRock LifePath[®] Index 2030 Fund
BlackRock LifePath[®] Index 2035 Fund
BlackRock LifePath[®] Index 2040 Fund
BlackRock LifePath[®] Index 2045 Fund
BlackRock LifePath[®] Index 2050 Fund
BlackRock LifePath[®] Index 2055 Fund
BlackRock LifePath[®] Index 2060 Fund
iShares MSCI Total International Index Fund
iShares Russell 1000 Large-Cap Index Fund
iShares S&P 500 Index Fund
iShares U.S. Aggregate Bond Index Fund

BlackRock Funds IV

BlackRock Global Long/Short Credit Fund
BlackRock Impact Bond Fund
BlackRock Systematic Multi-Strategy Fund

BlackRock Funds V

BlackRock Emerging Markets Bond Fund
BlackRock Emerging Markets Flexible
Dynamic Bond Portfolio
BlackRock Emerging Markets Local Currency
Bond Fund
BlackRock Floating Rate Income Portfolio
BlackRock Inflation Protected Bond Portfolio
BlackRock Strategic Income Opportunities
Portfolio

BlackRock Funds VI

BlackRock CoreAlpha Bond Fund

BlackRock Global Allocation Fund, Inc.**BlackRock Index Funds, Inc.**

iShares MSCI EAFE International Index Fund
iShares Russell 2000 Small-Cap Index Fund

BlackRock Large Cap Series Funds, Inc.

BlackRock Large Cap Focus Growth Fund

BlackRock Latin America Fund, Inc.**BlackRock Liquidity Funds**

California Money Fund
Federal Trust Fund
FedFund
MuniCash
MuniFund
New York Money Fund
TempCash
TempFund
T-Fund
Treasury Trust Fund

BlackRock Long-Horizon Equity Fund**BlackRock Mid Cap Dividend Series, Inc.**

BlackRock Mid Cap Dividend Fund

BlackRock Multi-State Municipal Series Trust

BlackRock New Jersey Municipal Bond Fund
BlackRock New York Municipal Opportunities
Fund
BlackRock Pennsylvania Municipal Bond Fund

BlackRock Municipal Bond Fund, Inc.

BlackRock High Yield Municipal Fund
BlackRock National Municipal Fund
BlackRock Short-Term Municipal Fund

BlackRock Municipal Series Trust

BlackRock Strategic Municipal Opportunities
Fund

BlackRock Natural Resources Trust**BlackRock Series Fund, Inc.**

BlackRock Advantage Large Cap Core Portfolio
BlackRock Balanced Capital Portfolio
BlackRock Capital Appreciation Portfolio
BlackRock Global Allocation Portfolio
BlackRock Government Money Market Portfolio

BlackRock Series Fund II, Inc.

BlackRock High Yield Portfolio
BlackRock U.S. Government Bond Portfolio

BlackRock Series, Inc.

BlackRock International Fund

BlackRock Strategic Global Bond Fund, Inc.**BlackRock Variable Series Funds, Inc.**

BlackRock Advantage Large Cap Core V.I. Fund
BlackRock Advantage Large Cap Value V.I.
Fund
BlackRock Advantage U.S. Total Market V.I.
Fund
BlackRock Basic Value V.I. Fund
BlackRock Capital Appreciation V.I. Fund
BlackRock Equity Dividend V.I. Fund
BlackRock Global Allocation V.I. Fund
BlackRock Government Money Market V.I.
Fund
BlackRock International V.I. Fund
BlackRock International Index V.I. Fund
BlackRock iShares® Dynamic Allocation V.I.
Fund
BlackRock Large Cap Focus Growth V.I. Fund
BlackRock Managed Volatility V.I. Fund
BlackRock S&P 500 Index V.I. Fund
BlackRock Small Cap Index V.I. Fund

BlackRock Variable Series Funds II, Inc.

BlackRock High Yield V.I. Fund
BlackRock Total Return V.I. Fund
BlackRock U.S. Government Bond V.I. Fund

FDP Series, Inc.

FDP BlackRock Capital Appreciation Fund
 FDP BlackRock Equity Dividend Fund
 FDP BlackRock International Fund

FDP Series II, Inc.

FDP BlackRock CoreAlpha Bond Fund

Funds For Institutions Series

BlackRock Premier Government Institutional Fund
 BlackRock Select Treasury Strategies Institutional Fund
 BlackRock Treasury Strategies Institutional Fund
 FFI Government Fund
 FFI Treasury Fund

Managed Account Series

Advantage Global SmallCap Fund
 BlackRock GA Disciplined Volatility Equity Fund
 BlackRock GA Dynamic Equity Fund
 Mid Cap Dividend Fund

Managed Account Series II

BlackRock U.S. Mortgage Portfolio

Ready Assets Government Liquidity Fund**Ready Assets U.S. Treasury Money Fund****Retirement Series Trust**

Retirement Reserves Money Fund

(each, a “Fund” and collectively, the “Funds”)

Supplement dated February 4, 2019 to the Statement of Additional Information of each Fund

Each Fund’s Statement of Additional Information is amended as follows:

The list in the section entitled “Purchase of Shares — Additional Payments by BlackRock — C. Service Organizations Receiving Additional Payments”, “Purchase of Shares — Additional Payments by BlackRock — D. Service Organizations Receiving Additional Payments”, “Miscellaneous — Additional Payments by BlackRock — D. Service Organizations Receiving Additional Payments”, “Investment Advisory Arrangements — Additional Payments by BlackRock — D. Service Organizations Receiving Additional Payments” or “Investment Adviser and Other Service Providers — Additional Payments by BlackRock — D. Service Organizations Receiving Additional Payments” in Part II, as applicable, of each Fund’s current Statement of Additional Information is deleted in its entirety and replaced with the following:

AccuTech Systems Corporation
 ADP Broker-Dealer, Inc.
 Advisor Group, Inc.
 Alight Solutions LLC
 Allianz Life Financial Services, LLC
 Allianz Life Insurance Company of New York
 Allianz Life Insurance Company of North America
 American Enterprise Investment Services, Inc.
 American Fidelity Assurance Company
 American Fidelity Securities, Inc.
 American General Life Insurance Company
 American United Life Insurance Company
 Annuity Investors Life Insurance Company
 Ascensus Broker Dealer Services, Inc.
 Ascensus, Inc.
 AXA Advisors, LLC
 AXA Equitable Life Insurance Company
 Bank of America, N.A.

Bank of New York Mellon, The
 Barclays Capital Inc.
 BB&T Retirement & Institutional Services
 Benefit Plans Administrative Services, Inc.
 Benefit Trust Company
 BlackRock Advisors, LLC
 BMO Capital Markets Corp.
 BNP Paribas Investment Partners UK Limited
 BNY Mellon, N.A.
 BOKF, N.A.
 Broadridge Business Process Outsourcing, LLC
 Brown Brothers Harriman & Co.
 Capital One, N.A.
 Cetera Advisor Networks LLC
 Cetera Advisors LLC
 Cetera Financial Group
 Cetera Financial Specialists LLC
 Cetera Investment Services LLC

Charles Schwab & Co., Inc.
Charles Schwab Bank
Chicago Mercantile Exchange Inc.
Citco Securities, LLC
CitiBank, National Association
Citigroup Global Markets, Inc.
Citizens Business Bank
CME Shareholder Servicing LLC
CMFG Life Insurance Company
Comerica Bank
Commonwealth Financial Network
Computershare Trust Company
Conduent HR Services, LLC
Credit Suisse Securities (USA) LLC
CSC Trust Company of Delaware
Delaware Life Insurance Company
Delaware Life Insurance Company of New York
Deutsche Bank AG
Deutsche Bank Trust Company Americas
Digital Retirement Solutions, Inc.
Edward D. Jones & Co., L.P.
Empire Fidelity Investments Life Insurance Company
E*trade Savings Bank
Federal Deposit Insurance Corporation
Fidelity Brokerage Services LLC
Fidelity Investments Institutional Operations
Company, Inc.
Fidelity Investments Life Insurance Company
Fifth Third Securities, Inc.
First Allied Securities, Inc.
First Command Financial Planning, Inc.
First Hawaiian Bank
First Mercantile Trust Company
First MetLife Investors Insurance Company
First Republic Bank
First Security Benefit Life Insurance and Annuity
Company of New York
First Symetra National Life Insurance Company of
New York
FIS Brokerage & Securities Services LLC
Forethought Life Insurance Company
FSC Securities Corporation
Genworth Life and Annuity Insurance Company
Genworth Life Insurance Company of New York
Girard Securities, Inc.
Global Atlantic Distributors, LLC
Goldman Sachs & Co.
Great-West Financial Retirement Plan Services, LLC
Great-West Life & Annuity Insurance Company
Great-West Life & Annuity Insurance Company of
New York
Guardian Insurance & Annuity Company, Inc., The
GWFS Equities, Inc.

Hartford Funds Management Company
Hartford Life Insurance Company
Hartford Securities Distribution Company, Inc.
Hazeltree Fund Services, Inc.
Hightower Securities, Inc.
Hilltop Securities Inc.
HSBC Bank USA, N.A.
Huntington Investment Company, The
Institutional Cash Distributors, LLC
Integrity Life Insurance Company
J.P. Morgan Securities LLC
Jefferies LLC
Jefferson National Life Insurance Company
Jefferson National Life Insurance Company of
New York
John Hancock Life Insurance Company (U.S.A.)
John Hancock Life Insurance Company of New York
John Hancock Trust Company
JPMorgan Chase Bank, N.A.
Kestra Investment Services, LLC
Ladenburg Thalmann Advisor Network LLC
Lincoln Financial Advisors Corporation
Lincoln Financial Distributors, Inc.
Lincoln Financial Securities Corporation
Lincoln Life & Annuity Company of New York
Lincoln National Life Insurance Company
Lincoln Retirement Services LLC
LPL Financial LLC
M&T Securities Inc.
Manufacturers and Traders Trust Company
Massachusetts Mutual Life Insurance Company
Members Life Insurance Company
Mercer HR Services, LLC
Merrill Lynch, Pierce, Fenner & Smith Incorporated
Metavante Corporation
MetLife Insurance Company USA
Metropolitan Life Insurance Company
Mid Atlantic Capital Corporation
Midland Life Insurance Company
Minnesota Life Insurance Company
Mizuho Securities USA Inc.
MML Distributors, LLC
MML Investors Services, LLC
Morgan Stanley & Co. LLC
Morgan Stanley Distribution, Inc.
Morgan Stanley Smith Barney LLC
MUFG Union Bank, National Association
National Financial Services LLC
National Integrity Life Insurance Company
National Life Insurance Company
Nationwide Financial Services, Inc.
Nationwide Fund Distributors LLC
Nationwide Retirement Solutions

NCB Federal Savings Bank
New England Pension Plan Systems, LLC
New York Life Insurance and Annuity Corporation
Newport Retirement Services, Inc.
NEX Treasury Limited
Northbrook Bank & Trust Company
Northern Trust Company, The
Northwestern Mutual Investment Services, LLC
NYLife Distributors LLC
Oppenheimer & Co., Inc.
Orion Advisor Services, LLC
Pacific Life & Annuity Company
Pacific Life Insurance Company
Pacific Select Distributors, LLC
Park Avenue Securities LLC
Pershing LLC
PFPC Inc.
PFS Investments Inc.
Piper Jaffray & Co.
PNC Bank, National Association
PNC Capital Markets LLC
PNC Investments LLC
Primerica Shareholder Services, Inc.
Principal Life Insurance Company
Pruco Life Insurance Company
Pruco Life Insurance Company of New Jersey
Prudential Annuities Distributors, Inc.
Prudential Insurance Company of America
Raymond James & Associates, Inc.
Raymond James Financial Services, Inc.
RBC Capital Markets, LLC
Regions Bank
Reliance Trust Company
Reliastar Life Insurance Company
Reliastar Life Insurance Company of New York
RiverSource Distributors, Inc.
RiverSource Life Insurance Co. of New York
RiverSource Life Insurance Company
Royal Alliance Associates, Inc.
SagePoint Financial, Inc.
Sammons Retirement Solutions, Inc.
Santander Bank, N.A.
Saturna Trust Company
Security Benefit Life Insurance Company
Security Financial Resources, Inc.
Security Life of Denver Insurance Company
SEI Private Trust Company
SG Americas Securities, LLC
Silicon Valley Bank

Standard Insurance Company
State Farm Life and Accident Assurance Company
State Farm Life Insurance Company
State Farm VP Management Corp.
State Street Global Markets, LLC
Stifel, Nicolaus & Company, Incorporated
Summit Brokerage Services, Inc.
SunTrust Bank
SVB Asset Management
Symetra Life Insurance Company
Syntal Capital Partners, LLC
T. Rowe Price Retirement Plan Services, Inc.
Talcott Resolution Life and Annuity Insurance Company
Talcott Resolution Life Insurance Company
TD Ameritrade Clearing, Inc.
TD Ameritrade Trust Company
TD Ameritrade, Inc.
Teachers Insurance and Annuity Association of America
Transamerica Advisors Life Insurance Company
Transamerica Financial Life Insurance Company
Treasury Brokerage
U.S. Bancorp Investments, Inc.
U.S. Bank, National Association
UBATCO & Co.
UBS Financial Services, Inc.
UBS Securities LLC
UMB Bank, National Association
United States Life Insurance Company in the City of New York, The
VALIC Retirement Services Company
Vanguard Group, Inc., The
Vanguard Marketing Corporation
Voya Financial Advisors, Inc.
Voya Financial Partners, LLC
Voya Insurance and Annuity Company
Voya Institutional Plan Services, LLC
Voya Investments Distributor, LLC
Voya Retirement Insurance and Annuity Company
Wells Fargo Advisors, LLC
Wells Fargo Advisors Financial Network, LLC
Wells Fargo Bank, N.A.
Wells Fargo Clearing Services, LLC
Wells Fargo Investments, LLC
Wells Fargo Securities, LLC
Wilmington Trust, National Association
Woodbury Financial Services, Inc.
ZB, National Association

Shareholders should retain this Supplement for future reference.

SAI-GLOBAL-0219SUP

BlackRock Advantage Global Fund, Inc.

BlackRock Advantage U.S. Total Market Fund, Inc.

BlackRock Asian Dragon Fund, Inc.

BlackRock Basic Value Fund, Inc.

BlackRock California Municipal Series Trust
BlackRock California Municipal Opportunities
Fund

BlackRock Emerging Markets Fund, Inc.

BlackRock Equity Dividend Fund

BlackRock EuroFund

BlackRock Focus Growth Fund, Inc.

BlackRock FundsSM

BlackRock Advantage Emerging Markets Fund
BlackRock Advantage Small Cap Core Fund
BlackRock China A Opportunities Fund
BlackRock Commodity Strategies Fund
BlackRock Emerging Markets Equity Strategies
Fund
BlackRock Global Long/Short Equity Fund
BlackRock Impact U.S. Equity Fund
BlackRock Real Estate Securities Fund
BlackRock Short Obligations Fund
BlackRock Total Emerging Markets Fund
BlackRock Total Factor Fund
iShares Developed Real Estate Index Fund
iShares Edge MSCI Min Vol EAFE Index Fund
iShares Edge MSCI Min Vol USA Index Fund
iShares Edge MSCI Multifactor Intl Index Fund
iShares Edge MSCI Multifactor USA Index Fund
iShares MSCI Developed World Index Fund
iShares Municipal Bond Index Fund
iShares Russell Mid-Cap Index Fund
iShares Russell Small/Mid-Cap Index Fund
iShares Short-Term TIPS Bond Index Fund
iShares Total U.S. Stock Market Index Fund

BlackRock Funds II

BlackRock Dynamic High Income Portfolio
BlackRock Global Dividend Portfolio
BlackRock LifePath[®] Smart Beta 2020 Fund
BlackRock LifePath[®] Smart Beta 2025 Fund
BlackRock LifePath[®] Smart Beta 2030 Fund
BlackRock LifePath[®] Smart Beta 2035 Fund
BlackRock LifePath[®] Smart Beta 2040 Fund
BlackRock LifePath[®] Smart Beta 2045 Fund

BlackRock LifePath[®] Smart Beta 2050 Fund
BlackRock LifePath[®] Smart Beta 2055 Fund
BlackRock LifePath[®] Smart Beta 2060 Fund
BlackRock LifePath[®] Smart Beta Retirement Fund
BlackRock Managed Income Fund
BlackRock Multi-Asset Income Portfolio

BlackRock Funds III

BlackRock LifePath[®] Dynamic Retirement Fund
BlackRock LifePath[®] Dynamic 2020 Fund
BlackRock LifePath[®] Dynamic 2025 Fund
BlackRock LifePath[®] Dynamic 2030 Fund
BlackRock LifePath[®] Dynamic 2035 Fund
BlackRock LifePath[®] Dynamic 2040 Fund
BlackRock LifePath[®] Dynamic 2045 Fund
BlackRock LifePath[®] Dynamic 2050 Fund
BlackRock LifePath[®] Dynamic 2055 Fund
BlackRock LifePath[®] Dynamic 2060 Fund
BlackRock LifePath[®] Index Retirement Fund
BlackRock LifePath[®] Index 2020 Fund
BlackRock LifePath[®] Index 2025 Fund
BlackRock LifePath[®] Index 2030 Fund
BlackRock LifePath[®] Index 2035 Fund
BlackRock LifePath[®] Index 2040 Fund
BlackRock LifePath[®] Index 2045 Fund
BlackRock LifePath[®] Index 2050 Fund
BlackRock LifePath[®] Index 2055 Fund
BlackRock LifePath[®] Index 2060 Fund
iShares MSCI Total International Index Fund
iShares Russell 1000 Large-Cap Index Fund
iShares S&P 500 Index Fund
iShares U.S. Aggregate Bond Index Fund

BlackRock Funds IV

BlackRock Global Long/Short Credit Fund
BlackRock Impact Bond Fund
BlackRock Systematic Multi-Strategy Fund

BlackRock Funds V

BlackRock Emerging Markets Bond Fund
BlackRock Emerging Markets Flexible Dynamic
Bond Portfolio
BlackRock Emerging Markets Local Currency
Bond Fund
BlackRock Floating Rate Income Portfolio
BlackRock Inflation Protected Bond Portfolio
BlackRock Strategic Income Opportunities
Portfolio

BlackRock Funds VI

BlackRock CoreAlpha Bond Fund

BlackRock Global Allocation Fund, Inc.

BlackRock Index Funds, Inc.

iShares MSCI EAFE International Index Fund
iShares Russell 2000 Small-Cap Index Fund

BlackRock Large Cap Series Funds, Inc.

BlackRock Large Cap Focus Growth Fund

BlackRock Latin America Fund, Inc.**BlackRock Long-Horizon Equity Fund****BlackRock Mid Cap Dividend Series, Inc.**

BlackRock Mid Cap Dividend Fund

BlackRock Multi-State Municipal Series Trust

BlackRock New Jersey Municipal Bond Fund
BlackRock New York Municipal Opportunities Fund
BlackRock Pennsylvania Municipal Bond Fund

BlackRock Municipal Bond Fund, Inc.

BlackRock High Yield Municipal Fund
BlackRock National Municipal Fund
BlackRock Short-Term Municipal Fund

BlackRock Municipal Series Trust

BlackRock Strategic Municipal Opportunities Fund

BlackRock Natural Resources Trust**BlackRock Series, Inc.**

BlackRock International Fund

BlackRock Strategic Global Bond Fund, Inc.**FDP Series, Inc.**

FDP BlackRock Capital Appreciation Fund
FDP BlackRock Equity Dividend Fund
FDP BlackRock International Fund

FDP Series II, Inc.

FDP BlackRock CoreAlpha Bond Fund

Managed Account Series

BlackRock GA Disciplined Volatility Equity Fund
BlackRock GA Dynamic Equity Fund

Managed Account Series II

BlackRock U.S. Mortgage Portfolio

(each, a “Fund” and collectively, the “Funds”)

Supplement dated January 30, 2019 to the Statement of Additional Information (“SAI”) of each Fund

Effective immediately, each SAI is amended as follows:

The subsections entitled “Rights of Accumulation” and “Letter of Intent” in the section entitled “Purchase of Shares—Reduced Initial Sales Charges” in Part II of each Fund’s SAI are deleted in their entirety and replaced with the following:

Right of Accumulation. Investors have a “right of accumulation” under which any of the following may be combined with the amount of the current purchase in determining whether an investor qualifies for a breakpoint and a reduced front-end sales charge: (i) the current value of an investor’s existing Investor A, Investor A1, Investor C, Investor C1, Investor C2, Investor C3, Investor P, Institutional and Class K Shares in most BlackRock Funds, (ii) the current value of an investor’s existing shares of certain unlisted closed-end management investment companies sponsored and advised by BlackRock or its affiliates (“Eligible Unlisted BlackRock Closed-End Funds”) and (iii) the investment in the BlackRock CollegeAdvantage 529 Program by the investor or by or on behalf of the investor’s spouse and children. Financial intermediaries may value current holdings of their customers differently for purposes of determining whether an investor qualifies for a breakpoint and a reduced front-end sales charge, although customers of the same financial intermediary will be treated similarly. In order to use this right, the investor must alert BlackRock to the existence of any previously purchased shares. Certain funds employ a “passive” management approach and attempt to match the performance of a target index as closely as possible before the deduction of Fund expenses (“Index Funds”). Although Investor A Shares of Index Funds and BlackRock Short Obligations Fund generally are not subject to a sales charge, an investor’s existing Investor A, Investor A1, Investor C, Investor C1, Investor C2, Investor C3, Investor P, Institutional and Class K Shares in the Index Funds and BlackRock Short Obligations Fund may be combined

with the amount of an investor's current purchase in determining whether an investor qualifies for a breakpoint and a reduced front-end sales charge.

Letter of Intent. An investor may qualify for a reduced front-end sales charge immediately by signing a "Letter of Intent" stating the investor's intention to make one or more of the following investments within the next 13 months which would, if bought all at once, qualify the investor for a reduced sales charge: (i) buy a specified amount of Investor A, Investor C, Investor P, Institutional and/or Class K Shares, (ii) make an investment in one or more Eligible Unlisted BlackRock Closed-End Funds and/or (iii) make an investment through the BlackRock CollegeAdvantage 529 Program in one or more BlackRock Funds. The initial investment must meet the minimum initial purchase requirement. The 13-month Letter of Intent period commences on the day that the Letter of Intent is received by the Fund. The market value of current holdings in the BlackRock Funds (including Investor A, Investor C, Investor P, Institutional and Class K Shares, Eligible Unlisted BlackRock Closed-End Funds and the BlackRock CollegeAdvantage 529 Program Class A and Class C Units) as of the date of commencement that are eligible under the Right of Accumulation may be counted towards the sales charge reduction. The investor must notify the Fund of (i) any current holdings in the BlackRock Funds, Eligible Unlisted BlackRock Closed-End Funds and/or the BlackRock CollegeAdvantage 529 Program that should be counted towards the sales charge reduction and (ii) any subsequent purchases that should be counted towards the Letter of Intent. During the term of the Letter of Intent, the Fund will hold Investor A Shares and/or Investor P Shares, as applicable, representing up to 5% of the indicated amount in an escrow account for payment of a higher sales load if the full amount indicated in the Letter of Intent is not purchased. If the full amount indicated is not purchased within the 13-month period, and the investor does not pay the higher sales load within 20 days, the Fund will redeem enough of the Investor A Shares and/or Investor P Shares, as applicable, held in escrow to pay the difference.

Shareholders should retain this Supplement for future reference.

SAI-GLBL-NMM-0119SUP

BlackRock Advantage Global Fund, Inc.
BlackRock Advantage U.S. Total Market Fund, Inc.

BlackRock Allocation Target Shares

BATS: Series A Portfolio
BATS: Series C Portfolio
BATS: Series E Portfolio
BATS: Series M Portfolio
BATS: Series P Portfolio
BATS: Series S Portfolio

BlackRock Asian Dragon Fund, Inc.

BlackRock Balanced Capital Fund, Inc.

BlackRock Basic Value Fund, Inc.

BlackRock Bond Fund, Inc.

BlackRock Total Return Fund

BlackRock California Municipal Series Trust

BlackRock California Municipal Opportunities Fund

BlackRock Capital Appreciation Fund, Inc.

BlackRock Emerging Markets Fund, Inc.

BlackRock EuroFund

BlackRock Focus Growth Fund, Inc.

BlackRock FundsSM

BlackRock Advantage International Fund
BlackRock Advantage Large Cap Growth Fund
BlackRock Advantage Small Cap Core Fund
BlackRock Advantage Small Cap Growth Fund
BlackRock All-Cap Energy & Resources Portfolio
BlackRock Emerging Markets Dividend Fund
BlackRock Emerging Markets Equity Strategies Fund

BlackRock Energy & Resources Portfolio

BlackRock Exchange Portfolio

BlackRock Health Sciences Opportunities Portfolio

BlackRock High Equity Income Fund

BlackRock Impact U.S. Equity Fund

BlackRock International Dividend Fund

BlackRock Mid-Cap Growth Equity Portfolio

BlackRock Real Estate Securities Fund

BlackRock Tactical Opportunities Fund

BlackRock Technology Opportunities Fund

BlackRock Total Emerging Markets Fund

iShares Developed Real Estate Index Fund

iShares Municipal Bond Index Fund

iShares Short-Term TIPS Bond Index Fund

BlackRock Funds II

BlackRock 20/80 Target Allocation Fund

BlackRock 40/60 Target Allocation Fund

BlackRock 60/40 Target Allocation Fund

BlackRock 80/20 Target Allocation Fund

BlackRock LifePath[®] Smart Beta 2020 Fund

BlackRock LifePath[®] Smart Beta 2025 Fund

BlackRock LifePath[®] Smart Beta 2030 Fund

BlackRock LifePath[®] Smart Beta 2035 Fund

BlackRock LifePath[®] Smart Beta 2040 Fund

BlackRock LifePath[®] Smart Beta 2045 Fund

BlackRock LifePath[®] Smart Beta 2050 Fund

BlackRock LifePath[®] Smart Beta 2055 Fund

BlackRock LifePath[®] Smart Beta 2060 Fund

BlackRock LifePath[®] Smart Beta Retirement Fund

BlackRock Managed Income Fund

BlackRock Funds III

BlackRock LifePath[®] Dynamic Retirement Fund

BlackRock LifePath[®] Dynamic 2020 Fund

BlackRock LifePath[®] Dynamic 2025 Fund

BlackRock LifePath[®] Dynamic 2030 Fund

BlackRock LifePath[®] Dynamic 2035 Fund

BlackRock LifePath[®] Dynamic 2040 Fund

BlackRock LifePath[®] Dynamic 2045 Fund

BlackRock LifePath[®] Dynamic 2050 Fund

BlackRock LifePath[®] Dynamic 2055 Fund

BlackRock LifePath[®] Dynamic 2060 Fund

BlackRock LifePath[®] Index Retirement Fund

BlackRock LifePath[®] Index 2020 Fund

BlackRock LifePath[®] Index 2025 Fund

BlackRock LifePath[®] Index 2030 Fund

BlackRock LifePath[®] Index 2035 Fund

BlackRock LifePath[®] Index 2040 Fund

BlackRock LifePath[®] Index 2045 Fund

BlackRock LifePath[®] Index 2050 Fund

BlackRock LifePath[®] Index 2055 Fund

BlackRock LifePath[®] Index 2060 Fund

iShares MSCI Total International Index Fund

iShares Russell 1000 Large-Cap Index Fund

iShares S&P 500 Index Fund

iShares U.S. Aggregate Bond Index Fund

BlackRock Funds IV

BlackRock Alternative Capital Strategies Fund

BlackRock Impact Bond Fund

BlackRock Funds V

BlackRock Core Bond Portfolio

BlackRock Credit Strategies Income Fund

BlackRock Emerging Markets Bond Fund

BlackRock Emerging Markets Flexible Dynamic

Bond Portfolio

BlackRock Emerging Markets Local Currency Bond Fund

BlackRock Floating Rate Income Portfolio

BlackRock GNMA Portfolio

BlackRock High Yield Bond Portfolio

BlackRock Inflation Protected Bond Portfolio

BlackRock Low Duration Bond Portfolio

BlackRock Strategic Income Opportunities Portfolio

BlackRock U.S. Government Bond Portfolio

BlackRock Funds VI

BlackRock CoreAlpha Bond Fund

BlackRock Global Allocation Fund, Inc.

BlackRock Index Funds, Inc.

iShares MSCI EAFE International Index Fund

iShares Russell 2000 Small-Cap Index Fund
BlackRock Large Cap Series Funds, Inc.
 BlackRock Advantage Large Cap Core Fund
 BlackRock Advantage Large Cap Value Fund
 BlackRock Event Driven Equity Fund
 BlackRock Large Cap Focus Growth Fund
BlackRock Latin America Fund, Inc.
BlackRock Long-Horizon Equity Fund
BlackRock Mid Cap Dividend Series, Inc.
 BlackRock Mid Cap Dividend Fund
BlackRock Multi-State Municipal Series Trust
 BlackRock New Jersey Municipal Bond Fund
 BlackRock New York Municipal Opportunities Fund
 BlackRock Pennsylvania Municipal Bond Fund
BlackRock Municipal Bond Fund, Inc.
 BlackRock High Yield Municipal Fund
 BlackRock National Municipal Fund
 BlackRock Short-Term Municipal Fund
BlackRock Municipal Series Trust
 BlackRock Strategic Municipal Opportunities Fund
BlackRock Series Fund, Inc.
 BlackRock Advantage Large Cap Core Portfolio
 BlackRock Balanced Capital Portfolio
 BlackRock Capital Appreciation Portfolio
 BlackRock Global Allocation Portfolio
BlackRock Series Fund II, Inc.
 BlackRock High Yield Portfolio
 BlackRock U.S. Government Bond Portfolio
BlackRock Series, Inc.
 BlackRock International Fund
BlackRock Strategic Global Bond Fund, Inc.

BlackRock Variable Series Funds, Inc.
 BlackRock Advantage Large Cap Core V.I. Fund
 BlackRock Advantage Large Cap Value V.I. Fund
 BlackRock Advantage U.S. Total Market V.I. Fund
 BlackRock Basic Value V.I. Fund
 BlackRock Capital Appreciation V.I. Fund
 BlackRock Equity Dividend V.I. Fund
 BlackRock Global Allocation V.I. Fund
 BlackRock International V.I. Fund
 BlackRock International Index V.I. Fund
 BlackRock iShares® Dynamic Allocation V.I. Fund
 BlackRock Large Cap Focus Growth V.I. Fund
 BlackRock Managed Volatility V.I. Fund
 BlackRock S&P 500 Index V.I. Fund
 BlackRock Small Cap Index V.I. Fund
BlackRock Variable Series Funds II, Inc.
 BlackRock High Yield V.I. Fund
 BlackRock Total Return V.I. Fund
 BlackRock U.S. Government Bond V.I. Fund
FDP Series, Inc.
 FDP BlackRock Capital Appreciation Fund
 FDP BlackRock Equity Dividend Fund
 FDP BlackRock International Fund
FDP Series II, Inc.
 FDP BlackRock CoreAlpha Bond Fund
Managed Account Series
 Advantage Global SmallCap Fund
 Mid Cap Dividend Fund
Managed Account Series II
 BlackRock U.S. Mortgage Portfolio

(each, a “Fund” and collectively, the “Funds”)

Supplement dated November 30, 2018 to the Statement of Additional Information of each Fund

Each Fund’s Statement of Additional Information is amended as follows:

The section entitled “Investment Risks and Considerations — Liquidity Management — Liquidity Risk Management Rule,” in Part II of each Fund’s current Statement of Additional Information is deleted in its entirety and replaced with the following:

Liquidity Risk Management Rule. In October 2016, the SEC adopted Rule 22e-4 under the Investment Company Act (the “Liquidity Rule”), which requires open-end funds, such as the Funds, to establish a liquidity risk management program and enhance disclosures regarding fund liquidity. Effective December 1, 2018, as required by the Liquidity Rule, the Funds have implemented the initial portions of the Funds’ liquidity risk management program (the “Liquidity Program”), and the boards of trustees/directors of the Funds, including a majority of the independent trustees/directors, have appointed the Manager as the liquidity risk program administrator of the Liquidity Program. Under the Liquidity Program, the Manager assesses, manages, and periodically reviews each Fund’s liquidity risk. The implementation of the remaining portions of the Liquidity Program will take effect on or before June 1, 2019.

The twelfth paragraph or thirteenth paragraph, as applicable, in the section entitled “Selective Disclosure of Portfolio Holdings — Potential Conflicts of Interest” in Part II of each Fund’s current Statement of Additional Information is deleted in its entirety and replaced with the following:

BlackRock may enter into transactions and invest in securities, instruments and currencies on behalf of a Fund in which clients of BlackRock or its Affiliates, or, to the extent permitted by the Commission and applicable law, BlackRock or another Affiliate, serves as the counterparty, principal or issuer. In such cases, such party’s interests in the transaction will be adverse to the interests of the Fund, and such party may have no incentive to assure that the Fund obtains the best possible prices or terms in connection with the transactions. In addition, the purchase, holding and sale of such investments by a Fund may enhance the profitability of BlackRock or its Affiliates.

One or more Affiliates may also create, write or issue derivatives for their clients, the underlying securities, currencies or instruments of which may be those in which a Fund invests or which may be based on the performance of the Fund. BlackRock has entered into an arrangement with Markit Indices Limited, the index provider for underlying fixed-income indexes used by certain iShares ETFs, related to derivative fixed-income products that are based on such iShares ETFs. BlackRock will receive certain payments for licensing intellectual property belonging to BlackRock and for facilitating provision of data in connection with such derivative products, which may include payments based on the trading volumes of, or revenues generated by, the derivative products. The Funds and other accounts managed by BlackRock may from time to time transact in such derivative products, which could contribute to the viability of such derivative products by making them more appealing to funds and accounts managed by third parties, and in turn lead to increased payments to BlackRock. Trading activity in such derivative products could also potentially lead to increased purchase activity with respect to these iShares ETFs and increased assets under management for BlackRock.

A Fund may, subject to applicable law, purchase investments that are the subject of an underwriting or other distribution by one or more Affiliates and may also enter into transactions with other clients of an Affiliate where such other clients have interests adverse to those of the Fund.

Shareholders should retain this Supplement for future reference.

SAI-GLOBAL-1118SUP

STATEMENT OF ADDITIONAL INFORMATION

**BLACKROCK LARGE CAP SERIES FUNDS, INC.
BLACKROCK LARGE CAP FOCUS GROWTH FUND**

100 Bellevue Parkway, Wilmington, DE 19809 • Phone No. (800) 441-7762

This Statement of Additional Information of BlackRock Large Cap Focus Growth Fund (the “Fund”), a series of BlackRock Large Cap Series Funds, Inc. (the “Corporation”), is not a prospectus and should be read in conjunction with the Prospectuses of the Fund, each dated October 26, 2018, as they may be amended or supplemented from time to time (each a “Prospectus” and together the “Prospectuses”), which have been filed with the Securities and Exchange Commission (the “Commission” or the “SEC”) and can be obtained, without charge, by calling (800) 441-7762 or by writing to the Fund at the above address. The Prospectuses are incorporated by reference into this Statement of Additional Information, and Part I of this Statement of Additional Information and the portions of Part II of this Statement of Additional Information that relate to the Fund have been incorporated by reference into the Prospectuses. The portions of Part II of this Statement of Additional Information that do not relate to the Fund do not form a part of the Fund’s Statement of Additional Information, have not been incorporated by reference into the Fund’s Prospectuses and should not be relied upon by investors in the Fund. The audited financial statements of the Fund and the corresponding master portfolio of Master Large Cap Series LLC are incorporated into this Statement of Additional Information by reference to the Corporation’s Annual Report to Shareholders for the fiscal year ended June 30, 2018 (the “Annual Report”). You may request a copy of the Annual Report at no charge by calling (800) 441-7762 between 8:00 a.m. and 6:00 p.m. Eastern time, on any business day.

References to the Investment Company Act of 1940, as amended (the “Investment Company Act”), or other applicable law, will include any rules promulgated thereunder and any guidance, interpretations or modifications by the Commission, Commission staff or other authority with appropriate jurisdiction, including court interpretations, and exemptive, no-action or other relief or permission from the Commission, Commission staff or other authority.

Class

Investor A Shares	MDLHX
Investor C Shares	MCLHX
Institutional Shares	MALHX
Class R Shares	MRLHX
Service Shares	MSLHX
Class K	MLHKX

BLACKROCK ADVISORS, LLC — MANAGER

BLACKROCK INVESTMENTS, LLC — DISTRIBUTOR

The date of this Statement of Additional Information is October 26, 2018.

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PART I: INFORMATION ABOUT BLACKROCK LARGE CAP FOCUS GROWTH FUND

Part I of this Statement of Additional Information (“SAI”) sets forth information about BlackRock Large Cap Focus Growth Fund (the “Fund”), a series of BlackRock Large Cap Series Funds, Inc. (the “Corporation”). This SAI includes information about the Corporation’s Board of Directors, the advisory and management services provided to and the management fees paid by the Fund and information about other fees applicable to and services provided to the Fund. This Part I of this SAI should be read in conjunction with the Prospectuses of the Fund and those portions of Part II of this SAI that pertain to the Fund.

On June 29, 2017, the Board of Directors of each of the Corporation and the Master LLC (as defined below) approved a change of the fiscal year of the Fund and the Master Portfolio (as defined below), respectively, from September 30 to June 30.

I. Investment Objective and Policies

The investment objective of the Fund is to seek long-term capital growth. This is a fundamental policy of the Fund. To change a fundamental policy requires the approval of a majority of the Fund’s shareholders, as defined in the Investment Company Act of 1940, as amended (the “Investment Company Act”).

The Fund is a “feeder” fund that invests all of its assets in a corresponding “master” portfolio (the “Master Portfolio”) of Master Large Cap Series LLC (the “Master LLC”) that has the same investment objective and strategies as the Fund. The Fund invests all of its assets in Master Large Cap Focus Growth Portfolio (the “Master Portfolio”). All investments for the Fund will be made at the Master LLC level. This structure is sometimes called a “master/feeder” structure. The Fund’s investment results will correspond directly to the investment results of the Master Portfolio in which it invests. For simplicity, however, this SAI, like the Prospectuses, uses the term “Fund,” as applicable, to include the underlying Master Portfolio in which the Fund invests. Reference is made to the discussion under “Details About the Fund — How the Fund Invests” and “Details About the Fund — Investment Risks,” as applicable, in the Prospectuses for information with respect to the Fund’s and Master Portfolio’s investment objective and policies.

The Fund is subject to Rule 35d-1 under the Investment Company Act and will not change its investment policies required by that Rule without giving shareholders 60 days’ prior written notice.

In implementing the Fund’s investment strategy, from time to time, BlackRock Advisors, LLC (“BlackRock” or the “Manager”), the Master Portfolio’s investment manager, may consider and employ techniques and strategies designed to minimize and defer the U.S. federal income taxes which may be incurred by shareholders in connection with their investment in the Fund.

Set forth below is a listing of some of the types of investments and investment strategies that the Fund may use, and the risks and considerations associated with those investments and investment strategies. Please see Part II of this SAI for further information on these investments and investment strategies.

Only information that is clearly identified as applicable to the Fund is considered to form a part of the Fund’s SAI.

144A Securities	X
Asset-Backed Securities	
Asset-Based Securities	X
Precious Metal-Related Securities	X
Bank Loans	
Borrowing and Leverage	X
Cash Flows; Expenses	
Cash Management	X

Collateralized Debt Obligations	
Collateralized Bond Obligations	
Collateralized Loan Obligations	
Commercial Paper	X
Commodity-Linked Derivative Instruments and Hybrid Instruments	X
Qualifying Hybrid Instruments	
Hybrid Instruments Without Principal Protection	
Limitations on Leverage	
Counterparty Risk	
Convertible Securities	X
Cyber Security Issues	X
Debt Securities	X
Depository Receipts (ADRs, EDRs and GDRs)	X
Derivatives	X
Hedging	X
Indexed and Inverse Securities	X
Swap Agreements	X
Credit Default Swap Agreements and Similar Instruments	
Contracts for Difference	X
Credit Linked Securities	X
Interest Rate Transactions and Swaptions	
Total Return Swap Agreements	X
Types of Options	X
Options on Securities and Securities Indices	X
Call Options	X
Put Options	X
Options on Government National Mortgage Association (“GNMA”) Certificates	
Risks Associated with Options	X
Futures	X
Risks Associated with Futures	X
Foreign Exchange Transactions	X
Forward Foreign Exchange Transactions	X
Currency Futures	X
Currency Options	X
Currency Swaps	X
Limitations on Currency Transactions	X
Risk Factors in Hedging Foreign Currency	X
Risk Factors in Derivatives	X
Credit Risk	X
Currency Risk	X
Leverage Risk	X
Liquidity Risk	X
Correlation Risk	X
Index Risk	X
Additional Risk Factors of OTC Transactions; Limitations on the Use of OTC Derivatives	X

Distressed Securities	X
Dollar Rolls	
Equity Securities	X
Exchange Traded Notes (“ETNs”)	
Foreign Investment Risks	X
Foreign Market Risk	X
Foreign Economy Risk	X
Currency Risk and Exchange Risk	X
Governmental Supervision and Regulation/Accounting Standards	X
Certain Risks of Holding Fund Assets Outside the United States	X
Publicly Available Information	X
Settlement Risk	X
Funding Agreements	
Guarantees	
Illiquid or Restricted Securities	X
Inflation-Indexed Bonds	
Inflation Risk	
Information Concerning the Indexes	
S&P 500® Index (“S&P 500”)	
Russell® Indexes	
MSCI Indexes	
FTSE (“Financial Times Stock Exchange”) Indexes	
Initial Public Offering (“IPO”) Risk	X
Interfund Lending Program	X
Borrowing, to the extent permitted by the Fund’s investment policies and restrictions	X
Lending, to the extent permitted by the Fund’s investment policies and restrictions	
Investment Grade Debt Obligations	X
Investment in Emerging Markets	X
Brady Bonds	
Investment in Other Investment Companies	X
Exchange Traded Funds	X
Junk Bonds	
Lease Obligations	
Liquidity Management	X
Master Limited Partnerships	X
Merger Transaction Risk	X
Mezzanine Investments	
Money Market Obligations of Domestic Banks, Foreign Banks and Foreign Branches of U.S. Banks	X
Mortgage-Related Securities	
Mortgage-Backed Securities	
Collateralized Mortgage Obligations (“CMOs”)	
Adjustable Rate Mortgage Securities	
CMO Residuals	
Stripped Mortgage-Backed Securities	
Tiered Index Bonds	

TBA Commitments	
Municipal Bonds	
Risk Factors and Special Considerations Relating to Municipal Bonds	
General Obligation Bonds	
Revenue Bonds	
PABs	
Tender Option Bonds	
Participation Notes	
Pay-in-Kind Bonds	
Portfolio Turnover Rates	X
Preferred Stock	X
Real Estate Related Securities	X
Real Estate Investment Trusts (“REITs”)	X
Repurchase Agreements and Purchase and Sale Contracts	X
Reverse Repurchase Agreements	X
Rights Offerings and Warrants to Purchase	X
Risks of Investing in China	
Securities Lending	X
Securities of Smaller or Emerging Growth Companies	X
Short Sales	See note 1 below.
Sovereign Debt	
Standby Commitment Agreements	X
Stripped Securities	
Structured Notes	
Supranational Entities	
Trust Preferred Securities	
U.S. Government Obligations	X
U.S. Treasury Obligations	X
Utility Industries	X
When-Issued Securities, Delayed Delivery Securities and Forward Commitments	X
Yields and Ratings	
Zero Coupon Securities	

¹ The Fund may only make short sales against the box.

Regulation Regarding Derivatives. The Commodity Futures Trading Commission (“CFTC”) subjects advisers to registered investment companies to regulation by the CFTC if the fund that is advised by the investment adviser either (i) invests, directly or indirectly, more than a prescribed level of its liquidation value in CFTC-regulated futures, options and swaps (“CFTC Derivatives”), or (ii) markets itself as providing investment exposure to such instruments. To the extent the Fund uses CFTC Derivatives, it intends to do so below such prescribed levels and will not market itself as a “commodity pool” or a vehicle for trading such instruments. Accordingly, BlackRock has claimed an exclusion from the definition of the term “commodity pool operator” under the Commodity Exchange Act (“CEA”) pursuant to Rule 4.5 under the CEA. BlackRock is not, therefore, subject to registration or regulation as a “commodity pool operator” under the CEA in respect of the Fund.

II. Investment Restrictions

The Corporation, on behalf of the Fund, has adopted restrictions and policies relating to investment of the Fund’s assets and its activities. Certain of the restrictions are fundamental policies of the Fund and may not be

changed without the approval of the holders of a majority of the Fund's outstanding voting securities (which for this purpose and under the Investment Company Act, means the lesser of (i) 67% of the shares represented at a meeting at which more than 50% of the outstanding shares are represented or (ii) more than 50% of the outstanding shares). The Corporation, on behalf of the Fund, has also adopted certain non-fundamental investment restrictions, which may be changed by the Board of Directors without shareholder approval. None of the following fundamental or non-fundamental investment restrictions shall prevent the Fund from investing all of its assets in shares of another registered investment company with the same investment objective and fundamental policies (in a master/feeder structure).

Set forth below are the Fund's fundamental and non-fundamental investment restrictions. The Master LLC has adopted investment restrictions substantially identical to those set forth below for the Fund, which are fundamental and non-fundamental policies of the Master LLC. Unless otherwise provided, all references below to the assets of the Fund are in terms of current market value.

Under its fundamental investment restrictions, the Fund may not:

- (1) Make any investment inconsistent with the Fund's classification as a diversified company under the Investment Company Act.
- (2) Invest more than 25% of its assets, taken at market value, in the securities of issuers in any particular industry (excluding the U.S. Government and its agencies and instrumentalities).
- (3) Make investments for the purpose of exercising control or management. Investments by the Fund in wholly owned investment entities created under the laws of certain countries will not be deemed the making of investments for the purpose of exercising control or management.
- (4) Purchase or sell real estate, except that, to the extent permitted by applicable law, the Fund may invest in securities directly or indirectly secured by real estate or interests therein or issued by companies that invest in real estate or interests therein.
- (5) Make loans to other persons, except that the acquisition of bonds, debentures or other corporate debt securities and investment in governmental obligations, commercial paper, pass-through instruments, certificates of deposit, bankers' acceptances, repurchase agreements or any similar instruments shall not be deemed to be the making of a loan, and except further that the Fund may lend its portfolio securities, provided that the lending of portfolio securities may be made only in accordance with applicable law and the guidelines set forth in the Fund's Prospectus and SAI, as they may be amended from time to time.
- (6) Issue senior securities to the extent such issuance would violate applicable law.
- (7) Borrow money, except that (i) the Fund may borrow from banks (as defined in the Investment Company Act) in amounts up to 33 $\frac{1}{3}$ % of its total assets (including the amount borrowed), (ii) the Fund may borrow up to an additional 5% of its total assets for temporary purposes, (iii) the Fund may obtain such short term credit as may be necessary for the clearance of purchases and sales of portfolio securities and (iv) the Fund may purchase securities on margin to the extent permitted by applicable law. The Fund may not pledge its assets other than to secure such borrowings or, to the extent permitted by the Fund's investment policies as set forth in the Fund's Prospectus and SAI, as they may be amended from time to time, in connection with hedging transactions, short sales, when issued and forward commitment transactions and similar investment strategies.
- (8) Underwrite securities of other issuers except insofar as the Fund technically may be deemed an underwriter under the Securities Act of 1933, as amended (the "Securities Act"), in selling portfolio securities.
- (9) Purchase or sell commodities or contracts on commodities, except to the extent that the Fund may do so in accordance with applicable law and the Fund's Prospectus and SAI, as they may be amended from time to time, and without registering as a commodity pool operator under the Commodity Exchange Act.

Under its non-fundamental investment restrictions, the Fund may not:

(a) Purchase securities of other investment companies, except to the extent permitted by the Investment Company Act. As a matter of policy, however, the Fund will not purchase shares of any registered open-end investment company or registered unit investment trust, in reliance on Section 12(d)(1)(F) or (G) (the “fund of funds” provisions) of the Investment Company Act, at any time the Fund has knowledge that its shares are purchased by another investment company investor in reliance on the provisions of subparagraph (G) of Section 12(d)(1).

(b) Make short sales of securities or maintain a short position, except to the extent permitted by the Fund’s Prospectus and Statement of Additional Information, as amended from time to time, and applicable law.

Except with respect to fundamental investment restriction (7), if a percentage restriction on the investment or use of assets set forth above is adhered to at the time a transaction is effected, later changes in percentages resulting from changing values will not be considered a violation.

For purposes of fundamental investment restriction (2) above, the Fund use the classifications and sub-classifications of MSCI Inc. as a guide to identify industries.

In addition, as a non-fundamental policy that may be changed by the Directors and to the extent required by the Commission or its staff, the Fund will, for purposes of fundamental investment restriction (1), treat securities issued or guaranteed by the government of any one foreign country as the obligations of a single issuer.

III. Information on Directors and Officers

The Board of Directors (the “Board”) of the Corporation consists of thirteen individuals (each a “Director”), eleven of whom are not “interested persons” of the Corporation as defined in the Investment Company Act (the “Independent Directors”). The same individuals serve on the Board of Directors of the Master LLC. The registered investment companies advised by BlackRock or its affiliates (the “BlackRock-advised Funds”) are organized into one complex of closed-end funds (the “Closed-End Complex”), two complexes of open-end funds (the “Equity-Liquidity Complex” and the “Equity-Bond Complex”), and one complex of exchange-traded funds (each a “BlackRock Fund Complex”). The Corporation and the Master LLC are included in the BlackRock Fund Complex referred to as the Equity-Liquidity Complex. The Directors also oversee as board members the operations of the other open-end registered investment companies included in the Equity-Liquidity Complex.

The Board has overall responsibility for the oversight of the Corporation and the Fund. Each of the Chair and the Chair Elect of the Board is an Independent Director, and the Chair of each Board committee (each, a “Committee”) is an Independent Director. The Board has five standing Committees: an Audit Committee, a Governance and Nominating Committee, a Compliance Committee, a Performance Oversight and Contract Committee and an Executive Committee. The role of the Chair of the Board is to preside at all meetings of the Board and to act as a liaison with service providers, officers, attorneys and other Directors generally between meetings. The Chair of each Committee performs a similar role with respect to the Committee. The Chair of the Board or the Chair of a Committee may also perform such other functions as may be delegated by the Board or the Committee from time to time. The Independent Directors meet regularly outside the presence of Fund management, in executive session or with other service providers to the Fund. The Board has regular meetings five times a year and may hold special meetings if required before its next regular meeting. Each Committee meets regularly to conduct the oversight functions delegated to that Committee by the Board and reports its findings to the Board. The Board and each standing Committee conduct annual assessments of their oversight function and structure. The Board has determined that the Board’s leadership structure is appropriate because it allows the Board to exercise independent judgment over management and to allocate areas of responsibility among Committees and the full Board to enhance effective oversight.

The Board has engaged the Manager to manage the Fund on a day-to-day basis. The Board is responsible for overseeing the Manager, other service providers, the operations of the Fund and associated risks in accordance with the provisions of the Investment Company Act, state law, other applicable laws, the Corporation’s charter and the Fund’s investment objective and strategies. The Board reviews, on an ongoing basis, the

Fund's performance, operations and investment strategies and techniques. The Board also conducts reviews of the Manager and its role in running the operations of the Fund.

Day-to-day risk management with respect to the Fund is the responsibility of the Manager or of sub-advisers or other service providers (depending on the nature of the risk), subject to the supervision of the Manager. The Fund is subject to a number of risks, including investment, compliance, operational and valuation risks, among others. While there are a number of risk management functions performed by the Manager and the sub-advisers or other service providers, as applicable, it is not possible to eliminate all of the risks applicable to the Fund. Risk oversight forms part of the Board's general oversight of the Fund and is addressed as part of various Board and Committee activities. The Board, directly or through a Committee, also reviews reports from, among others, management, the independent registered public accounting firm for the Fund, sub-advisers and internal auditors for the Manager or its affiliates, as appropriate, regarding risks faced by the Fund and management's or the service provider's risk functions. The Committee system facilitates the timely and efficient consideration of matters by the Directors and facilitates effective oversight of compliance with legal and regulatory requirements and of the Fund's activities and associated risks. The Board has appointed a Chief Compliance Officer, who oversees the implementation and testing of the Corporation's compliance program and reports to the Board regarding compliance matters for the Fund and its service providers. The Independent Directors have engaged independent legal counsel to assist them in performing their oversight responsibilities.

The members of the Audit Committee (the "Audit Committee") are Kenneth L. Urish (Chair), Neil A. Cotty, Claire A. Walton and Frederick W. Winter, all of whom are Independent Directors. The principal responsibilities of the Audit Committee are to approve, and recommend to the full Board for approval, the selection, retention, termination and compensation of the Corporation's independent registered public accounting firm (the "Independent Registered Public Accounting Firm") and to oversee the Independent Registered Public Accounting Firm's work. The Audit Committee's responsibilities include, without limitation, to (1) evaluate the qualifications and independence of the Fund's Independent Registered Public Accounting Firm; (2) approve all audit engagement terms and fees for the Corporation; (3) review the conduct and results of each independent audit of the Corporation's annual financial statements; (4) review any issues raised by the Independent Registered Public Accounting Firm or Fund management regarding the accounting or financial reporting policies and practices of the Fund and the internal controls of the Fund and certain service providers; (5) oversee the performance of the Independent Registered Public Accounting Firm; (6) review and discuss with management and the Fund's Independent Registered Public Accounting Firm the performance and findings of the Fund's internal auditors; (7) discuss with Fund management its policies regarding risk assessment and risk management as such matters relate to the Fund's financial reporting and controls; (8) resolve any disagreements between Fund management and the Independent Registered Public Accounting Firm regarding financial reporting; and (9) undertake such other duties and responsibilities as may from time to time be delegated by the Board to the Audit Committee. The Board has adopted a written charter for the Audit Committee. During the fiscal year ended June 30, 2018, the Audit Committee met four times.

The members of the Governance and Nominating Committee (the "Governance Committee") are Cynthia A. Montgomery (Chair), Susan J. Carter, Collette Chilton and Robert C. Robb, Jr., all of whom are Independent Directors. The principal responsibilities of the Governance Committee are to (1) identify individuals qualified to serve as Independent Directors of the Corporation and recommend Independent Director nominees for election by shareholders or appointment by the Board; (2) advise the Board with respect to Board composition, procedures and committees (other than the Audit Committee); (3) oversee periodic self-assessments of the Board and committees of the Board (other than the Audit Committee); (4) review and make recommendations regarding Independent Director compensation; (5) monitor corporate governance matters and develop appropriate recommendations to the Board; (6) act as the administrative committee with respect to Board policies and procedures, committee policies and procedures (other than the Audit Committee) and codes of ethics as they relate to Independent Directors; and (7) undertake such other duties and responsibilities as may from time to time be delegated by the Board to the Governance Committee. The Governance Committee may consider nominations for the office of Director made by Fund shareholders as it deems appropriate. Fund shareholders who wish to recommend a nominee should send nominations to the Secretary of the Corporation that include biographical information and set forth the qualifications of the

proposed nominee. The Board has adopted a written charter for the Governance Committee. During the fiscal year ended June 30, 2018, the Governance Committee met five times.

The members of the Compliance Committee (the “Compliance Committee”) are Joseph P. Platt (Chair), Neil A. Cotty, Robert C. Robb, Jr. and Claire A. Walton, all of whom are Independent Directors. The Compliance Committee’s purpose is to assist the Board in fulfilling its responsibility to oversee regulatory and fiduciary compliance matters involving the Corporation, the fund-related activities of BlackRock and any sub-adviser and the Corporation’s third-party service providers. The Compliance Committee’s responsibilities include, without limitation, to (1) oversee the compliance policies and procedures of the Corporation and its service providers and recommend changes or additions to such policies and procedures; (2) review information on and, where appropriate, recommend policies concerning the Corporation’s compliance with applicable law; (3) review reports from, oversee the annual performance review of, and make certain recommendations and determinations regarding the Corporation’s Chief Compliance Officer (the “CCO”), including determining the amount and structure of the CCO’s compensation and recommending such amount and structure to the full Board for approval and ratification; and (4) undertake such other duties and responsibilities as may from time to time be delegated by the Board to the Compliance Committee. The Board has adopted a written charter for the Compliance Committee. During the fiscal year ended June 30, 2018, the Compliance Committee met four times.

The members of the Performance Oversight and Contract Committee (the “Performance Oversight Committee”) are Mark Stalnecker (Chair), Susan J. Carter, Collette Chilton and Frederick W. Winter, all of whom are Independent Directors. The Performance Oversight Committee’s purpose is to assist the Board in fulfilling its responsibility to oversee the Fund’s investment performance relative to its agreed-upon performance objectives and to assist the Independent Directors in their consideration of investment advisory agreements. The Performance Oversight Committee’s responsibilities include, without limitation, to (1) review information on, and make recommendations to the full Board in respect of, the Fund’s investment objectives, policies and practices; (2) review information on the Fund’s investment performance; (3) review information on appropriate benchmarks and competitive universes and unusual or exceptional investment matters; (4) review personnel and other resources devoted to management of the Fund and evaluate the nature and quality of information furnished to the Performance Oversight Committee; (5) recommend any required action regarding changes in fundamental and non-fundamental investment policies and restrictions, fund mergers or liquidations; (6) request and review information on the nature, extent and quality of services provided to the shareholders; (7) make recommendations to the Board concerning the approval or renewal of investment advisory agreements; and (8) undertake such other duties and responsibilities as may from time to time be delegated by the Board to the Performance Oversight Committee. The Board has adopted a written charter for the Performance Oversight Committee. During the fiscal year ended June 30, 2018, the Performance Oversight Committee met four times.

The members of the Executive Committee (the “Executive Committee”) are Rodney D. Johnson (Chair) and Collette Chilton, both of whom are Independent Directors, and Robert Fairbairn, who serves as an interested Director. The principal responsibilities of the Executive Committee are to (1) act on routine matters between meetings of the Board; (2) act on such matters as may require urgent action between meetings of the Board; and (3) exercise such other authority as may from time to time be delegated to the Executive Committee by the Board. The Board has adopted a written charter for the Executive Committee. During the fiscal year ended June 30, 2018, the Executive Committee held no formal meetings. The Executive Committee met informally numerous times throughout the fiscal year.

The Governance Committee has adopted a statement of policy that describes the experience, qualifications, skills and attributes that are necessary and desirable for potential Independent Director candidates (the “Statement of Policy”). The Board believes that each Independent Director satisfied, at the time he or she was initially elected or appointed a Director, and continues to satisfy, the standards contemplated by the Statement of Policy. Furthermore, in determining that a particular Independent Director was and continues to be qualified to serve as a Director, the Board has considered a variety of criteria, none of which, in isolation, was controlling. The Board believes that, collectively, the Independent Directors have balanced and diverse experience, skills, attributes and qualifications, which allow the Board to operate effectively in governing the Corporation and protecting the interests of shareholders. Among the attributes common to all Independent

Directors are their ability to review critically, evaluate, question and discuss information provided to them, to interact effectively with the Fund’s investment adviser, sub-advisers, other service providers, counsel and the Independent Registered Public Accounting Firm, and to exercise effective business judgment in the performance of their duties as Directors.

Each Director’s ability to perform his or her duties effectively is evidenced by his or her educational background or professional training; business, consulting, public service or academic positions; experience from service as a board member of the Corporation and the other funds in the BlackRock Fund Complexes (and any predecessor funds), other investment funds, public companies, non-profit entities or other organizations; ongoing commitment to and participation in Board and Committee meetings, as well as his or her leadership of standing and *ad hoc* committees throughout the years; or other relevant life experiences.

The table below discusses some of the experiences, qualifications and skills of each of the Directors that support the conclusion that each Director should serve (or continue to serve) on the Board.

<u>Directors</u>	<u>Experience, Qualifications and Skills</u>
<i>Independent Directors</i>	
Susan J. Carter	Susan J. Carter has over 35 years of experience in investment management. She has served as President & Chief Executive Officer of Commonfund Capital, Inc. (“CCI”), a registered investment adviser focused on non-profit investors, from 1997 to 2013, Chief Executive Officer of CCI from 2013 to 2014 and Senior Advisor to CCI in 2015. Ms. Carter also served as trustee to the Pacific Pension Institute from 2014 to 2018. She currently serves as trustee to the Financial Accounting Foundation, Advisory Board Member for the Center for Private Equity and Entrepreneurship at Tuck School of Business, Board Member for Girls Who Invest, Advisory Board Member for Bridges Fund Management and Practitioner Advisory Board Member for Private Capital Research Institute (“PCRI”). These positions have provided her with insight and perspective on the markets and the economy.
Collette Chilton	Collette Chilton has over 20 years of experience in investment management. She has held the position of Chief Investment Officer of Williams College since October 2006. Prior to that she was President and Chief Investment Officer of Lucent Asset Management Corporation, where she oversaw approximately \$40 billion in pension and retirement savings assets for the company. These positions have provided her with insight and perspective on the markets and the economy.
Neil A. Cotty	Neil A. Cotty has more than 30 years of experience in the financial services industry, including 19 years at Bank of America Corporation and its affiliates, where he served, at different times, as the Chief Financial Officer of various businesses including Investment Banking, Global Markets, Wealth Management and Consumer and also served ten years as the Chief Accounting Officer for Bank of America Corporation.
Rodney D. Johnson	Rodney D. Johnson has served for over 20 years on the boards of registered investment companies, most recently as a member of the boards of the funds in the Equity-Liquidity Complex and its predecessor funds, including the legacy BlackRock funds. He has over 25 years of experience as a financial advisor covering a range of engagements, which has broadened his knowledge of and experience with the investment management business. Prior to founding Fairmount Capital Advisors, Inc., Mr. Johnson served as Chief Financial Officer of Temple University for four years. He served as Director of Finance and Managing Director, in addition to a variety of other roles, for the City of Philadelphia, and has extensive experience in municipal finance. Mr. Johnson was also a tenured associate professor of finance at Temple University and a research economist with the Federal Reserve Bank of Philadelphia.
Cynthia A. Montgomery	Cynthia A. Montgomery has served for over 20 years on the boards of registered investment companies, most recently as a member of the boards of the funds in the Equity-Liquidity Complex and its predecessor funds, including the legacy Merrill Lynch Investment Managers, L.P. (“MLIM”) funds. The Board benefits from Ms. Montgomery’s more than 20 years of academic experience as a professor at Harvard Business School where she taught courses on corporate strategy and corporate governance. Ms. Montgomery also has business management and corporate governance experience through her service on the corporate boards of a variety of public companies. She has also authored numerous articles and books on these topics.
Joseph P. Platt	Joseph P. Platt has served for over 15 years on the boards of registered investment companies, most recently as a member of the boards of the funds in the Equity-Liquidity Complex and its predecessor funds, including the legacy BlackRock funds. Mr. Platt currently serves as general partner at Thorn Partners, LP, a private investment company. Prior to his joining Thorn Partners, LP, he was an owner, director and executive vice president with Johnson and Higgins, an insurance broker and employee benefits consultant. He has over 25 years of experience in the areas of insurance, compensation and benefits. Mr. Platt also serves on the boards of public, private and non-profit companies.
Robert C. Robb, Jr.	Robert C. Robb, Jr. has served for over 15 years on the boards of registered investment companies, most recently as a member of the boards of the funds in the Equity-Liquidity Complex and its predecessor funds, including the legacy BlackRock funds. Mr. Robb has over 30 years of experience in management consulting and has worked with many companies and business associations located throughout the United States, including being a former director of PNC Bank Board and a former director of Brinks, Inc. Mr. Robb brings to the Board a wealth of practical business experience across a range of industries.
Mark Stalnecker	Mark Stalnecker has gained a wealth of experience in investing and asset management from his over 13 years of service as the Chief Investment Officer of the University of Delaware as well as from his various positions with First Union Corporation, including Senior Vice President and State Investment Director of First Investment Advisors. The Board benefits from his experience and perspective as the Chief Investment Officer of a university endowment and from the oversight experience he gained from service on various private and non-profit boards.

<u>Directors</u>	<u>Experience, Qualifications and Skills</u>
Kenneth L. Urish	Kenneth L. Urish has served for over 15 years on the boards of registered investment companies, most recently as a member of the boards of the funds in the Equity-Liquidity Complex and its predecessor funds, including the legacy BlackRock funds. He has over 30 years of experience in public accounting. Mr. Urish has served as a managing member of an accounting and consulting firm. Mr. Urish has been determined by the Audit Committee to be an audit committee financial expert, as such term is defined in the applicable Commission rules.
Claire A. Walton	Claire A. Walton has over 25 years of experience in investment management. She has served as the Chief Operating Officer and Chief Financial Officer of Liberty Square Asset Management, LP from 1998 to 2015, an investment manager that specialized in long/short non-U.S. equity investments, and has been an owner and General Partner of Neon Liberty Capital Management, LLC since 2003, a firm focusing on long/short equities in global emerging and frontier markets. These positions have provided her with insight and perspective on the markets and the economy.
Frederick W. Winter	Frederick W. Winter has served for over 15 years on the boards of registered investment companies, most recently as a member of the boards of the funds in the Equity-Liquidity Complex and its predecessor funds, including the legacy BlackRock funds. The Board benefits from Mr. Winter's years of academic experience, having served as a professor and dean emeritus of the Joseph M. Katz Graduate School of Business at the University of Pittsburgh since 2005, and dean thereof from 1997 to 2005. He is widely regarded as a specialist in marketing strategy, marketing management, business-to-business marketing and services marketing. He has also served as a consultant to more than 50 different firms.

Interested Directors

Robert Fairbairn	Robert Fairbairn has more than 20 years of experience with BlackRock, Inc. and over 28 years of experience in finance and asset management. In particular, Mr. Fairbairn's positions as Senior Managing Director of BlackRock, Inc. with oversight over BlackRock's Strategic Partner Program and Strategic Product Management Group, Member of BlackRock's Global Executive and Global Operating Committees and Co-Chair of BlackRock's Human Capital Committee provide the Board with a wealth of practical business knowledge and leadership. In addition, Mr. Fairbairn has global investment management and oversight experience through his former positions as Global Head of BlackRock's Retail and iShares® businesses, Head of BlackRock's Global Client Group and Chairman of BlackRock's international businesses. Mr. Fairbairn also serves as a board member for the funds in the Equity-Bond Complex and the Closed-End Complex.
John M. Perowski	John M. Perowski's experience as Managing Director of BlackRock, Inc. since 2009, as the Head of BlackRock Global Accounting and Product Services since 2009, and as President and Chief Executive Officer of the BlackRock-advised Funds provides him with a strong understanding of the BlackRock-advised Funds, their operations, and the business and regulatory issues facing the BlackRock-advised Funds. Mr. Perowski's prior position as Managing Director and Chief Operating Officer of the Global Product Group at Goldman Sachs Asset Management, and his former service as Treasurer and Senior Vice President of the Goldman Sachs Mutual Funds and as Director of the Goldman Sachs Offshore Funds provides the Board with the benefit of his experience with the management practices of other financial companies. Mr. Perowski also serves as a board member for the funds in the Equity-Bond Complex and the Closed-End Complex.

Biographical Information

Certain biographical and other information relating to the Directors of the Corporation is set forth below, including their address and year of birth, principal occupations for at least the last five years, length of time served, total number of registered investment companies and investment portfolios overseen in the BlackRock-advised Funds and any currently held public company and other investment company directorships.

<u>Name and Year of Birth^{1,2}</u>	<u>Position(s) Held (Length of Service)³</u>	<u>Principal Occupation(s) During Past Five Years</u>	<u>Number of BlackRock-Advised Registered Investment Companies ("RICs") Consisting of Investment Portfolios ("Portfolios") Overseen</u>	<u>Public Company and Other Investment Company Directorships Held During Past Five Years</u>
<i>Independent Directors</i>				
Rodney D. Johnson 1941	Chair of the Board ⁴ and Director (Since 2007)	President, Fairmount Capital Advisors, Inc. from 1987 to 2013; Member of the Archdiocesan Investment Committee of the Archdiocese of Philadelphia from 2004 to 2012; Director, The Committee of Seventy (civic) from 2006 to 2012; Director, Fox Chase Cancer Center from 2004 to 2011; Director, The Mainstay (non-profit) since 2016.	28 RICs consisting of 141 Portfolios	None

Name and Year of Birth ^{1,2}	Position(s) Held (Length of Service) ³	Principal Occupation(s) During Past Five Years	Number of BlackRock-Advised Registered Investment Companies (“RICs”) Consisting of Investment Portfolios (“Portfolios”) Overseen	Public Company and Other Investment Company Directorships Held During Past Five Years
Mark Stalneckner 1951	Chair Elect of the Board (Since 2018) ⁴ and Director (Since 2015)	Chief Investment Officer, University of Delaware from 1999 to 2013; Trustee and Chair of the Finance and Investment Committees, Winterthur Museum and Country Estate from 2005 to 2016; Member of the Investment Committee, Delaware Public Employees’ Retirement System since 2002; Member of the Investment Committee, Christiana Care Health System from 2009 to 2017; Member of the Investment Committee, Delaware Community Foundation from 2013 to 2014; Director and Chair of the Audit Committee, SEI Private Trust Co. from 2001 to 2014.	28 RICs consisting of 141 Portfolios	None
Susan J. Carter 1956	Director (Since 2016)	Director, Pacific Pension Institute from 2014 to 2018; Advisory Board Member, Center for Private Equity and Entrepreneurship at Tuck School of Business since 1997; Senior Advisor, CCI (investment adviser) in 2015; Chief Executive Officer, CCI from 2013 to 2014; President & Chief Executive Officer, CCI from 1997 to 2013; Advisory Board Member, Girls Who Invest from 2015 to 2018 and Board Member thereof since 2018; Advisory Board Member, Bridges Fund Management since 2016; Trustee, Financial Accounting Foundation since 2017; Practitioner Advisory Board Member, PCRI since 2017.	28 RICs consisting of 141 Portfolios	None
Collette Chilton 1958	Director (Since 2015)	Chief Investment Officer, Williams College since 2006; Chief Investment Officer, Lucent Asset Management Corporation from 1998 to 2006.	28 RICs consisting of 141 Portfolios	None
Neil A. Cotty 1954	Director (Since 2016)	Bank of America Corporation from 1996 to 2015, serving in various senior finance leadership roles, including Chief Accounting Officer from 2009 to 2015, Chief Financial Officer of Global Banking, Markets and Wealth Management from 2008 to 2009, Chief Accounting Officer from 2004 to 2008, Chief Financial Officer of Consumer Bank from 2003 to 2004, Chief Financial Officer of Global Corporate Investment Bank from 1999 to 2002.	28 RICs consisting of 141 Portfolios	None
Cynthia A. Montgomery 1952	Director (Since 2007)	Professor, Harvard Business School since 1989; Director, McLean Hospital from 2005 to 2012.	28 RICs consisting of 141 Portfolios	Newell Rubbermaid, Inc. (manufacturing)
Joseph P. Platt 1947	Director (Since 2007)	General Partner, Thorn Partners, LP (private investments) since 1998; Director, WQED Multi-Media (public broadcasting not-for-profit) since 2001; Chair, Basic Health International (non-profit) since 2015.	28 RICs consisting of 141 Portfolios	Greenlight Capital Re, Ltd. (reinsurance company); Consol Energy Inc.
Robert C. Robb, Jr. 1945	Director (Since 2007)	Partner, Lewis, Eckert, Robb and Company (management and financial consulting firm) since 1981 and Principal since 2010.	28 RICs consisting of 141 Portfolios	None
Kenneth L. Urish 1951	Director (Since 2007)	Managing Partner, Urish Popeck & Co., LLC (certified public accountants and consultants) since 1976; Past-Chairman of the Professional Ethics Committee of the Pennsylvania Institute of Certified Public Accountants and Committee Member thereof since 2007; Member of External Advisory Board, The Pennsylvania State University Accounting Department since founding in 2001; Principal, UP Strategic Wealth Investment Advisors, LLC since 2013; Trustee, The Holy Family Institute from 2001 to 2010; President and Trustee, Pittsburgh Catholic Publishing Associates from 2003 to 2008; Director, Inter-Tel from 2006 to 2007.	28 RICs consisting of 141 Portfolios	None

Name and Year of Birth ^{1,2}	Position(s) Held (Length of Service) ³	Principal Occupation(s) During Past Five Years	Number of BlackRock-Advised Registered Investment Companies (“RICs”) Consisting of Investment Portfolios (“Portfolios”) Overseen	Public Company and Other Investment Company Directorships Held During Past Five Years
Claire A. Walton 1957	Director (Since 2016)	Chief Operating Officer and Chief Financial Officer of Liberty Square Asset Management, LP from 1998 to 2015; General Partner of Neon Liberty Capital Management, LLC since 2003; Director, Boston Hedge Fund Group from 2009 to 2018; Director, Woodstock Ski Runners since 2013; Director, Massachusetts Council on Economic Education from 2013 to 2015.	28 RICs consisting of 141 Portfolios	None
Frederick W. Winter 1945	Director (Since 2007)	Director, Alkon Corporation since 1992; Dean Emeritus of the Joseph M. Katz School of Business, University of Pittsburgh, Dean and Professor from 1997 to 2005, Professor until 2013.	28 RICs consisting of 141 Portfolios	None
<i>Interested Directors⁵</i>				
Robert Fairbairn 1965	Director (Since 2018)	Senior Managing Director of BlackRock, Inc. since 2010; oversees BlackRock’s Strategic Partner Program and Strategic Product Management Group; Member of BlackRock’s Global Executive and Global Operating Committees; Co-Chair of BlackRock’s Human Capital Committee; Member of the Board of Managers of BlackRock Investments, LLC (“BRIL” or the “Distributor”) (principal underwriter) since 2011; Global Head of BlackRock’s Retail and iShares® businesses from 2012 to 2016.	133 RICs consisting of 309 Portfolios	None
John M. Perlowski 1964	Director (Since 2015) and President and Chief Executive Officer (Since 2010)	Managing Director of BlackRock, Inc. since 2009; Head of BlackRock Global Accounting and Product Services since 2009; Advisory Director of Family Resource Network (charitable foundation) since 2009.	133 RICs consisting of 309 Portfolios	None

¹ The address of each Director is c/o BlackRock, Inc., 55 East 52nd Street, New York, NY 10055.

² Independent Directors serve until their resignation, retirement, removal or death, or until December 31 of the year in which they turn 75. The Board may determine to extend the terms of Independent Directors on a case-by-case basis, as appropriate. The Board has approved extending the mandatory retirement age for Rodney D. Johnson until December 31, 2018.

³ Following the combination of MLIM and BlackRock, Inc. in September 2006, the various legacy MLIM and legacy BlackRock fund boards were realigned and consolidated into three new fund boards in 2007. As a result, although the chart shows certain Independent Directors as joining the Board in 2007, those Independent Directors first became members of the boards of other legacy MLIM or legacy BlackRock funds as follows: Rodney D. Johnson, 1995; Cynthia A. Montgomery, 1994; Joseph P. Platt, 1999; Robert C. Robb, Jr., 1999; Kenneth L. Urish, 1999; and Frederick W. Winter, 1999.

⁴ Mr. Stalnecker was approved as Chair Elect of the Board effective January 1, 2018. It is expected that, effective January 1, 2019, Mr. Stalnecker will assume the position of Chair of the Board and Mr. Johnson will retire as Chair of the Board.

⁵ Mr. Fairbairn and Mr. Perlowski are both “interested persons,” as defined in the Investment Company Act, of the Corporation and the Master LLC based on their positions with BlackRock, Inc. and its affiliates. Mr. Fairbairn and Mr. Perlowski are also board members of the Equity-Bond Complex and the Closed-End Complex.

Certain biographical and other information relating to the officers of the Corporation is set forth below, including their address and year of birth, principal occupations for at least the last five years and length of time served.

Name and Year of Birth ^{1,2}	Position(s) Held (Length of Service)	Principal Occupation(s) During Past Five Years
<i>Officers Who Are Not Directors</i>		
Jennifer McGovern 1977	Vice President (Since 2014)	Managing Director of BlackRock, Inc. since 2016; Director of BlackRock, Inc. from 2011 to 2015; Head of Product Structure and Oversight for BlackRock’s U.S. Wealth Advisory Group since 2013.
Neal J. Andrews 1966	Chief Financial Officer (Since 2007)	Managing Director of BlackRock, Inc. since 2006.
Jay M. Fife 1970	Treasurer (Since 2007)	Managing Director of BlackRock, Inc. since 2007.

<u>Name and Year of Birth^{1,2}</u>	<u>Position(s) Held (Length of Service)</u>	<u>Principal Occupation(s) During Past Five Years</u>
Charles Park 1967	Chief Compliance Officer (Since 2014)	Anti-Money Laundering Compliance Officer for the BlackRock-advised Funds in the Equity-Bond Complex, the Equity-Liquidity Complex and the Closed-End Complex from 2014 to 2015; Chief Compliance Officer of BlackRock Advisors, LLC and the BlackRock-advised Funds in the Equity-Bond Complex, the Equity-Liquidity Complex and the Closed-End Complex since 2014; Principal of and Chief Compliance Officer for iShares® Delaware Trust Sponsor LLC since 2012 and BlackRock Fund Advisors (“BFA”) since 2006; Chief Compliance Officer for the BFA-advised iShares® exchange traded funds since 2006; Chief Compliance Officer for BlackRock Asset Management International Inc. since 2012.
John MacKessy 1972	Anti-Money Laundering Compliance Officer (Since 2018)	Director of BlackRock, Inc. since 2017; Global Head of Anti-Money Laundering at BlackRock, Inc. since 2017; Director of AML Monitoring and Investigations Group of Citibank from 2015 to 2017; Global Anti-Money Laundering and Economic Sanctions Officer for MasterCard from 2011 to 2015.
Benjamin Archibald 1975	Secretary (Since 2012)	Managing Director of BlackRock, Inc. since 2014; Director of BlackRock, Inc. from 2010 to 2013; Secretary of the iShares® exchange traded funds since 2015; Secretary of the BlackRock-advised mutual funds since 2012.

¹ The address of each Officer is c/o BlackRock, Inc., 55 East 52nd Street, New York, NY 10055.

² Officers of the Corporation serve at the pleasure of the Board.

Share Ownership

Information relating to each Director’s share ownership in the Fund and in all BlackRock-advised Funds that are overseen by the respective Director (“Supervised Funds”) as of December 31, 2017 is set forth in the chart below.

<u>Name of Director</u>	<u>Aggregate Dollar Range of Securities in the Fund</u>	<u>Aggregate Dollar Range Securities in Supervised Funds</u>
<i>Interested Directors:</i>		
Robert Fairbairn ¹	None	Over \$100,000
John M. Perlowski	None	Over \$100,000
<i>Independent Directors:</i>		
Susan J. Carter	None	Over \$100,000
Collette Chilton	None	Over \$100,000
Neil A. Cotty	Over \$100,000	Over \$100,000
Rodney D. Johnson	None	Over \$100,000
Cynthia A. Montgomery	None	Over \$100,000
Joseph P. Platt	None	Over \$100,000
Robert C. Robb, Jr.	None	Over \$100,000
Mark Stalnecker	None	Over \$100,000
Kenneth L. Urish	None	Over \$100,000
Claire A. Walton	None	Over \$100,000
Frederick W. Winter	\$50,001-\$100,000	Over \$100,000

¹ Mr. Fairbairn was appointed to serve as a Director of the Corporation and the Master LLC effective February 22, 2018.

As of October 8, 2018, the Directors and officers of the Corporation as a group owned an aggregate of less than 1% of any class of the outstanding shares of the Corporation. As of December 31, 2017, none of the Independent Directors of the Corporation or their immediate family members owned beneficially or of record any securities of the Fund’s investment adviser, principal underwriter, or any person directly or indirectly controlling, controlled by, or under common control with such entities.

Compensation of Directors

Each Director who is an Independent Director is paid as compensation an annual retainer of \$275,000 per year for his or her services as a board member of the BlackRock-advised Funds in the Equity-Liquidity

Complex, including the Corporation, and a \$15,000 board meeting fee to be paid for each in-person board meeting attended (and may receive a \$5,000 board meeting fee for telephonic attendance at board meetings), for up to five board meetings held in a calendar year (compensation for meetings in excess of this number to be determined on a case-by-case basis), together with out-of-pocket expenses in accordance with a board policy on travel and other business expenses relating to attendance at meetings. Each Independent Director receives \$10,000 per year for each standing Committee on which he or she serves for up to two standing Committee assignments but is not paid this amount for serving on a Committee which he or she chairs. The Chair of the Boards is paid an additional annual retainer of \$120,000 and the Chair Elect of the Boards is paid an additional annual retainer of \$30,000. The Chair of the Audit Committees is paid an additional annual retainer of \$40,000 and the Chairs of the Compliance Committees, Governance Committees and Performance Oversight Committees are each paid an additional annual retainer of \$30,000. In addition, each Independent Director was paid \$10,000 for in-person attendance or \$2,000 for telephonic attendance at each of three sessions related to a proposed realignment and consolidation of the boards of the BlackRock Fund Complexes.

The following table sets forth the compensation paid to the Directors on behalf of the Fund for the fiscal year ended June 30, 2018 and the aggregate compensation paid to them by all BlackRock-advised Funds for the calendar year ended December 31, 2017. With respect to the Fund, the compensation is paid by the Master Portfolio as shown below.

<u>Name</u>	<u>Compensation from the Master Portfolio</u>	<u>Estimated Annual Benefits Upon Retirement</u>	<u>Aggregate Compensation from the Corporation and Other BlackRock-Advised Funds¹</u>
<i>Independent Directors</i>			
Susan J. Carter	\$2,265	None	\$370,000
Collette Chilton ³	\$2,208	None	\$390,000
Neil A. Cotty	\$2,265	None	\$370,000
Dr. Matina S. Horner ^{2,3}	None	None	\$20,000
Rodney D. Johnson ⁴	\$2,820	None	\$470,000
Cynthia A. Montgomery ^{3,5}	\$2,311	None	\$400,000
Joseph P. Platt ⁶	\$2,234	None	\$365,000
Robert C. Robb, Jr. ³	\$2,361	None	\$390,000
Mark Stalnecker ⁷	\$2,357	None	\$380,000
Kenneth L. Urish ⁸	\$2,357	None	\$390,000
Claire A. Walton	\$2,265	None	\$370,000
Frederick W. Winter	\$2,284	None	\$370,000
<i>Interested Directors</i>			
Robert Fairbairn ⁹	None	None	None
Barbara G. Novick ¹⁰	None	None	None
John M. Perlowski	None	None	None

¹ For the number of BlackRock-advised Funds from which each Director receives compensation, see the Biographical Information chart beginning on page I-11.

² Dr. Horner retired as a Director of the Corporation and the Master LLC effective December 31, 2016. Dr. Horner also retired as a director or trustee of all other BlackRock-advised Funds effective December 31, 2016.

³ Dr. Horner, Mses. Chilton and Montgomery and Mr. Robb each received an additional special payment of \$20,000 in April 2017 for additional services provided to the BlackRock-advised Funds in 2016.

⁴ Chair of the Board.

⁵ Chair of the Governance Committee.

⁶ Chair of the Compliance Committee.

⁷ Chair Elect of the Board and Chair of the Performance Oversight Committee.

⁸ Chair of the Audit Committee.

⁹ Mr. Fairbairn was appointed to serve as a Director of the Corporation and the Master LLC effective February 22, 2018.

¹⁰ Ms. Novick resigned as a Director of the Corporation and the Master LLC effective February 22, 2018. Ms. Novick also resigned as a director or trustee of all other BlackRock-advised Funds effective February 22, 2018.

IV. Management, Advisory and Other Service Arrangements

Management Agreement

The Fund invest all of its assets in shares of the Master Portfolio of the Master LLC. Accordingly, the Fund does not invest directly in portfolio securities and does not require investment advisory services. All portfolio management occurs at the Master LLC level. The Master LLC, on behalf of the Master Portfolio, has entered into an investment management agreement with BlackRock, as manager (the “Management Agreement”).

The Master Portfolio pays the Manager a management fee at the annual rates of 0.50% of the Master Portfolio’s average daily net assets not exceeding \$5 billion and 0.45% of the Master Portfolio’s average daily net assets in excess of \$5 billion.

BlackRock has contractually agreed to waive the management fee with respect to any portion of the Master Portfolio’s assets estimated to be attributable to investments in other equity and fixed-income mutual funds and exchange-traded funds managed by BlackRock or its affiliates that have a contractual management fee, through October 31, 2019. The contractual agreement may be terminated upon 90 days’ notice by a majority of the non-interested directors of the Master LLC or by a vote of a majority of the outstanding voting securities of the Master Portfolio.

Pursuant to the Management Agreement, the Manager may from time to time, in its sole discretion to the extent permitted by applicable law, appoint one or more sub-advisers, including, without limitation, affiliates of the Manager, to perform management services with respect to the Fund. In addition, the Manager may delegate certain of its management functions under the Management Agreement to one or more of its affiliates to the extent permitted by applicable law. The Manager may terminate any or all sub-advisers or such delegation arrangements in its sole discretion at any time to the extent permitted by applicable law.

The table below sets forth information about the management fees paid by the Master Portfolio to the Manager, and the amounts waived and/or reimbursed, for the periods shown.

	<u>Fees Paid to BlackRock</u>	<u>Fees Waived by BlackRock¹</u>
Fiscal Year Ended June 30, 2018	\$4,435,081	\$8,903
Period October 1, 2016 to June 30, 2017 ²	\$4,363,066	\$15,990
Fiscal Year Ended September 30, 2016	\$5,728,009	\$28,594
Fiscal Year Ended September 30, 2015	\$6,137,544	\$37,522

¹ BlackRock has voluntarily agreed to waive a portion of its management fee in connection with the Master Portfolio’s investment in an affiliated money market fund.

² The Fund’s and the Master Portfolio’s fiscal year end changed from September 30 to June 30.

Administration Arrangements

The Corporation, on behalf of itself and the Fund, has entered into an administration agreement (the “Administration Agreement”) with BlackRock as administrator (in such capacity, the “Administrator”). The Administrator has agreed to maintain office facilities for the Fund; furnish the Fund with clerical, bookkeeping and administrative services; oversee the determination and publication of net asset value for the Fund; oversee the preparation and filing of Federal, state and local income tax returns; prepare certain reports required by regulatory authorities; calculate various contractual expenses; determine the amount of dividends and distributions available for payment by the Fund to its shareholders; prepare and arrange for the printing of dividend notices to shareholders; provide the service providers for the Fund with such information as is required to effect the payment of dividends and distributions; and serve as liaison with the Corporation’s officers, independent accountants, legal counsel, custodian, accounting agent and transfer and dividend disbursing agent in establishing the accounting policies of the Fund and monitoring financial and shareholder accounting services. The Administrator receives for its services to the Corporation with respect to the Fund monthly compensation at the annual rate of 0.25% of the average daily net assets of the Fund.

The table below sets forth information about the total administration fees paid by the Corporation to the Administrator (and reimbursed by the Administrator) for the periods shown.

	<u>Fees Paid to the Administrator</u>	<u>Fees Reimbursed by the Administrator</u>
Fiscal Year Ended June 30, 2018	\$2,215,876	\$153,283
Period October 1, 2016 to June 30, 2017 ¹	\$2,175,559	\$49,184
Fiscal Year Ended September 30, 2016	\$2,823,185	\$0
Fiscal Year Ended September 30, 2015	\$2,963,889	\$0

¹ The Fund's and the Master Portfolio's fiscal year end changed from September 30 to June 30.

Information Regarding the Portfolio Manager

Lawrence Kemp, CFA, is the portfolio manager and is primarily responsible for the day-to-day management of the Fund's portfolio.

Other Funds and Accounts Managed

The following table sets forth information about fund and accounts other than the Fund, for which the portfolio manager is primarily responsible for the day-to-day portfolio management as of June 30, 2018.

<u>Name of Portfolio Manager</u>	<u>Number of Other Accounts Managed and Assets by Account Type</u>			<u>Number of Other Accounts and Assets for Which Advisory Fee is Performance-Based</u>		
	<u>Other Registered Investment Companies</u>	<u>Other Pooled Investment Vehicles</u>	<u>Other Accounts</u>	<u>Other Registered Investment Companies</u>	<u>Other Pooled Investment Vehicles</u>	<u>Other Accounts</u>
Lawrence Kemp, CFA	18	2	1	0	0	0
	\$16.72 Billion	\$1.69 Billion	\$925.3 Million	\$0	\$0	\$0

Portfolio Manager Compensation Overview

The discussion below describes the portfolio manager's compensation as of June 30, 2018.

BlackRock's financial arrangements with its portfolio managers, its competitive compensation and its career path emphasis at all levels reflect the value senior management places on key resources. Compensation may include a variety of components and may vary from year to year based on a number of factors. The principal components of compensation include a base salary, a performance-based discretionary bonus, participation in various benefits programs and one or more of the incentive compensation programs established by BlackRock.

Base Compensation. Generally, portfolio managers receive base compensation based on their position with the firm.

Discretionary Incentive Compensation. Generally, discretionary incentive compensation for Active Equity portfolio managers is based on a formulaic compensation program. BlackRock's formulaic portfolio manager compensation program is based on team revenue and pre-tax investment performance relative to appropriate competitors or benchmarks over 1-, 3- and 5-year performance periods, as applicable. In most cases, these benchmarks are the same as the benchmark or benchmarks against which the performance of the Fund or other accounts managed by the portfolio managers are measured. BlackRock's Chief Investment Officers determine the benchmarks or rankings against which the performance of the Fund and other accounts managed by the portfolio management team is compared and the period of time over which performance is evaluated. With respect to the portfolio manager, such benchmarks for the Fund and other accounts are: Russell 1000 Growth Index; Russell 1000 Growth Index in EUR; S&P 500 Index; Russell 1000 Growth Custom Index; Morningstar US Large-Cap Growth Equity; Morningstar Large Growth and Morningstar Large Blend; Morningstar Mid-Cap Growth.

A smaller element of portfolio manager discretionary compensation may include consideration of: financial results, expense control, profit margins, strategic planning and implementation, quality of client service, market share, corporate reputation, capital allocation, compliance and risk control, leadership, technology and innovation. These factors are considered collectively by BlackRock management and the relevant Chief Investment Officers.

Distribution of Discretionary Incentive Compensation. Discretionary incentive compensation is distributed to portfolio managers in a combination of cash, deferred BlackRock, Inc. stock awards, and/or deferred cash awards that notionally track the return of certain BlackRock investment products.

Portfolio managers receive their annual discretionary incentive compensation in the form of cash. Portfolio managers whose total compensation is above a specified threshold also receive deferred BlackRock, Inc. stock awards annually as part of their discretionary incentive compensation. Paying a portion of discretionary incentive compensation in the form of deferred BlackRock, Inc. stock puts compensation earned by a portfolio manager for a given year “at risk” based on BlackRock’s ability to sustain and improve its performance over future periods. In some cases, additional deferred BlackRock, Inc. stock may be granted to certain key employees as part of a long-term incentive award to aid in retention, align interests with long-term shareholders and motivate performance. Deferred BlackRock, Inc. stock awards are generally granted in the form of BlackRock, Inc. restricted stock units that vest pursuant to the terms of the applicable plan and, once vested, settle in BlackRock, Inc. common stock. The portfolio manager of this Fund has deferred BlackRock, Inc. stock awards.

Other Compensation Benefits. In addition to base salary and discretionary incentive compensation, portfolio managers may be eligible to receive or participate in one or more of the following:

Incentive Savings Plans — BlackRock, Inc. has created a variety of incentive savings plans in which BlackRock employees are eligible to participate, including a 401(k) plan, the BlackRock Retirement Savings Plan (RSP), and the BlackRock Employee Stock Purchase Plan (ESPP). The employer contribution components of the RSP include a company match equal to 50% of the first 8% of eligible pay contributed to the plan capped at \$5,000 per year, and a company retirement contribution equal to 3-5% of eligible compensation up to the Internal Revenue Service limit (\$275,000 for 2018). The RSP offers a range of investment options, including registered investment companies and collective investment funds managed by the firm. BlackRock contributions follow the investment direction set by participants for their own contributions or, absent participant investment direction, are invested into an index target date fund that corresponds to, or is closest to, the year in which the participant attains age 65. The ESPP allows for investment in BlackRock common stock at a 5% discount on the fair market value of the stock on the purchase date. Annual participation in the ESPP is limited to the purchase of 1,000 shares of common stock or a dollar value of \$25,000 based on its fair market value on the purchase date. All of the eligible portfolio managers are eligible to participate in these plans.

Portfolio Manager Beneficial Holdings

The following table sets forth the dollar range of securities beneficially owned by the portfolio manager in the Fund as of June 30, 2018.

<u>Portfolio Manager</u>	<u>Dollar Range</u>
Lawerence Kemp	None

Portfolio Manager Potential Material Conflicts of Interest

BlackRock has built a professional working environment, firm-wide compliance culture and compliance procedures and systems designed to protect against potential incentives that may favor one account over another. BlackRock has adopted policies and procedures that address the allocation of investment opportunities, execution of portfolio transactions, personal trading by employees and other potential conflicts of interest that are designed to ensure that all client accounts are treated equitably over time. Nevertheless, BlackRock furnishes investment management and advisory services to numerous clients in addition to the Fund, and BlackRock may, consistent with applicable law, make investment recommendations to other clients or accounts (including accounts which are hedge funds or have performance or higher fees paid to BlackRock, or in which portfolio managers have a personal interest in the receipt of such fees), which may be the same as or different from those made to the Fund. In addition, BlackRock, its affiliates and significant shareholders and any officer, director, shareholder or employee may or may not have an interest in the securities whose purchase and sale BlackRock recommends to the Fund. BlackRock, or any of its affiliates or significant shareholders, or any officer, director, shareholder, employee or any member of their families may take different actions than those recommended to the Fund by BlackRock with respect to the same securities. Moreover, BlackRock may refrain from rendering any advice or services concerning securities of companies of which any of BlackRock's (or its affiliates' or significant shareholders') officers, directors or employees are directors or officers, or companies as to which BlackRock or any of its affiliates or significant shareholders or the officers, directors and employees of any of them has any substantial economic interest or possesses material non-public information. Certain portfolio managers also may manage accounts whose investment strategies may at times be opposed to the strategy utilized for the Fund. It should also be noted that a portfolio manager may be managing hedge fund and/or long only accounts, or may be part of a team managing hedge fund and/or long only accounts, subject to incentive fees. Such portfolio managers may therefore be entitled to receive a portion of any incentive fees earned on such accounts. Currently, the portfolio manager of the Fund is not entitled to receive a portion of incentive fees of other accounts.

As a fiduciary, BlackRock owes a duty of loyalty to its clients and must treat each client fairly. When BlackRock purchases or sells securities for more than one account, the trades must be allocated in a manner consistent with its fiduciary duties. BlackRock attempts to allocate investments in a fair and equitable manner among client accounts, with no account receiving preferential treatment. To this end, BlackRock has adopted policies that are intended to ensure reasonable efficiency in client transactions and provide BlackRock with sufficient flexibility to allocate investments in a manner that is consistent with the particular investment discipline and client base, as appropriate.

Custodian

Brown Brothers Harriman & Co., which has its principal offices at 40 Water Street, Boston, Massachusetts 02109, serves as the custodian for the Fund (the "Custodian"). The Custodian, among other responsibilities, maintains a custody account or accounts in the name of the Fund, receives and delivers all assets for the Fund upon purchase and upon sale or maturity, and collects and receives all income and other payments and distributions on account of the assets of the Fund. On a monthly basis, the Custodian nets the Fund's daily positive and negative cash balances and calculates a credit ("custody credit") or a charge based on that net amount. The custodian fees, including the amount of any overdraft charges, may be reduced by that amount of such custody credits, and any unused credits at the end of a given month may be carried forward to a

subsequent month. Any such credits unused by the end of the Fund’s fiscal year will not expire. Net debits at the end of a given month are added to the Fund’s custody bill and paid by the Fund.

Transfer Agent

BNY Mellon Investment Servicing (US) Inc. (“BNY MIS”), which has its principal offices at 301 Bellevue Parkway, Wilmington, Delaware 19809, serves as the transfer agent and dividend disbursement agent for the Fund.

Accounting Services

BNY MIS serves as the accounting services provider for the Master Portfolio. BNY MIS records investment, capital share and income and expense activities; verifies and transmits trade tickets; maintains accounting ledgers for investment securities; maintains tax lots; reconciles cash with the Master Portfolio’s custodian; reports cash balances to the Manager; prepares certain financial statements; calculates expenses, gains, losses and income; controls disbursements; works with independent pricing sources; and computes and reports net asset value. In connection with its accounting services, BNY MIS also provides certain administration services.

The table below shows the amounts paid by the Master Portfolio to BNY MIS and the Manager for accounting services for the periods shown.

	Fiscal Year Ended June 30, 2018	Period October 1, 2016 to June 30, 2017 ¹	Fiscal Year Ended September 30,	
			2016	2015
Paid to BNY MIS ²	\$106,809	\$161,544	\$205,534	\$232,924
Paid to the Manager	\$10,896	\$9,429	\$13,140	\$12,608

¹ The Fund’s and the Master Portfolio’s fiscal year end changed from September 30 to June 30.

² For providing services to the Master Portfolio and the feeder fund which invests its assets in the Master Portfolio.

Credit Agreement

The Master LLC, on behalf of the Master Portfolio, along with certain other funds managed by the Manager and its affiliates (“Participating Funds”), is a party to a 364-day \$2.25 billion credit agreement with a group of lenders, which facility terminates on April 18, 2019, unless otherwise extended or renewed (the “Credit Agreement”). Excluding commitments designated for certain funds, other Participating Funds, including the Master Portfolio, can borrow up to an aggregate commitment amount of \$1.75 billion at any time outstanding, subject to asset coverage and other limitations as specified in the Credit Agreement. The Master Portfolio may borrow under the Credit Agreement to meet shareholder redemptions and for other lawful purposes. The Master Portfolio may not borrow under the Credit Agreement for leverage. The Master Portfolio may borrow up to the maximum amount allowable under its current Prospectus and SAI, subject to various other legal, regulatory or contractual limits. Borrowing results in interest expense and other fees and expenses, which may impact the net expenses borne by remaining shareholders of the Master Portfolio. The costs of borrowing may reduce the borrower’s return. The Master Portfolio is charged its pro rata share of upfront fees and commitment fees on the aggregate commitment amount based on its net assets. If the Master Portfolio borrows pursuant to the Credit Agreement, such borrower is charged interest at a variable rate.

V. Information on Sales Charges and Distribution Related Expenses

Set forth below is information on sales charges (including any contingent deferred sales charges (“CDSCs”)) received by the Fund, including the amounts paid to affiliates of BlackRock (“affiliates”) for the periods indicated. BlackRock Investments, LLC (previously defined as “BRIL” or the “Distributor”), an affiliate of BlackRock, acts as the distributor to the Fund.

Investor A and Institutional Sales Charge Information

	Investor A Shares			
	Gross Sales Charges Collected	Sales Charges Retained by BRIL	Sales Charges Paid to Affiliates	CDSCs Received in Redemptions of load-waived Shares
Fiscal Year Ended June 30, 2018	\$456,123	\$33,592	\$33,592	\$2,474
Period October 1, 2016 to June 30, 2017 ¹	\$235,468	\$17,741	\$17,741	\$2,281
Fiscal Year Ended September 30, 2016	\$599,896	\$42,048	\$42,048	\$7,358
Fiscal Year Ended September 30, 2015	\$1,137,538	\$82,959	\$82,959	\$11,745

	Investor C Shares	
	CDSCs Received by BRIL	CDSCs paid to Affiliates
Fiscal Year Ended June 30, 2018	\$9,292	\$9,292
Period October 1, 2016 to June 30, 2017 ¹	\$8,207	\$8,207
Fiscal Year Ended September 30, 2016	\$21,843	\$21,843
Fiscal Year Ended September 30, 2015	\$21,937	\$21,937

¹ The Fund's and the Master Portfolio's fiscal year end changed from September 30 to June 30.

The tables below sets forth the 12b-1 fees that were paid by the Fund for the periods shown pursuant to the Fund's 12b-1 plan. A portion of the fees collected by BRIL was paid to affiliates for providing shareholder servicing activities for Investor A and Service Shares and for providing shareholder servicing and distribution related activities and services for Investor C and Class R Shares.

For the fiscal year ended June 30, 2018, the Fund's share classes bore the following distribution and shareholder servicing fees under the Plan:

Class Name	Paid to BRIL
Investor A Shares	\$1,171,103
Investor C Shares	\$1,152,713
Investor R Shares	\$129,192
Service Shares	\$4,995

VI. Computation of Offering Price Per Share

An illustration of the computation of the public offering price of the Investor A Shares of the Fund based on the value of the Fund's Investor A Shares' net assets and the number of Investor A Shares outstanding on June 30, 2018 is set forth below.

	Investor A Shares
Net Assets	\$414,460,437
Number of Shares Outstanding	29,290,125
Net Asset Value Per Share (net assets divided by number of shares outstanding)	\$14.15
Sales Charge (for Investor A shares: 5.25% of offering price; 5.54% of net asset value per share) ¹	0.78
Offering Price	\$14.93

¹ Rounded to the nearest one-hundredth percent; assumes maximum sales charge is applicable.

The offering price for the other share classes of the Fund is equal to the share class' net asset value computed as set forth above for Investor A Shares. Though not subject to a sales charge, certain share classes may be subject to a CDSC on redemption. For more information on the purchasing and valuation of shares, please see "Purchase of Shares" and "Pricing of Shares" in Part II of this SAI.

VII. Portfolio Transactions and Brokerage

See “Portfolio Transactions and Brokerage” in Part II of this SAI for more information.

Information about the brokerage commissions paid by the Master Portfolio for the periods shown is set forth below.

	<u>Aggregate Brokerage Commissions Paid</u>
Fiscal Year Ended June 30, 2018 ¹	\$553,645
Period October 1, 2016 to June 30, 2017 ²	\$280,062
Fiscal Year Ended September 30, 2016	\$275,409
Fiscal Year Ended September 30, 2015	\$319,056

¹ The increase in brokerage commissions from the fiscal period ended June 30, 2017 to the fiscal year ended June 30, 2018 was due to changes in the Fund’s investment strategies.

² The Fund’s and the Master Portfolio’s fiscal year end changed from September 30 to June 30.

No brokerage commissions were paid to affiliates during the fiscal years ended September 30, 2015 and September 30, 2016, the period October 1, 2016 to June 30, 2017 or the year ended June 30, 2018 by the Master Portfolio.

The following table shows the dollar amount of brokerage commissions paid to brokers for providing Section 28(e) research/brokerage services under Section 28(e) of the Securities Exchange Act of 1934, as amended, and the approximate dollar amount of the transactions involved for the fiscal year ended June 30, 2018. The provision of Section 28(e) research/brokerage services was not necessarily a factor in the placement of all brokerage business with such brokers.

<u>Amount of Commissions Paid to Brokers for Providing 28(e) Eligible Research Services</u>	<u>Amount of Brokerage Transactions Involved</u>
\$0	\$0

The Master Portfolio held no securities of its regular brokers or dealers (as defined in Rule 10b-1 under the Investment Company Act) or their parents as of June 30, 2018 whose shares were purchased during the fiscal year ended June 30, 2018.

Securities Lending

The Master Portfolio conducts its securities lending pursuant to an exemptive order from the Commission permitting it to lend portfolio securities to borrowers affiliated with the Master Portfolio and to retain an affiliate of the Master Portfolio as lending agent. To the extent that the Master Portfolio engages in securities lending, BlackRock Investment Management, LLC (“BIM”), an affiliate of the Manager, acts as securities lending agent for the Master Portfolio, subject to the overall supervision of the Manager. BIM administers the lending program in accordance with guidelines approved by the Corporation’s Board.

The Master Portfolio retains a portion of securities lending income and remits a remaining portion to BIM as compensation for its services as securities lending agent. Securities lending income is equal to the total of income earned from the reinvestment of cash collateral (and excludes collateral investment expenses as defined below), and any fees or other payments to and from borrowers of securities. As securities lending agent, BIM bears all operational costs directly related to securities lending. The Master Portfolio is responsible for expenses in connection with the investment of cash collateral received for securities on loan (the “collateral investment expenses”). The cash collateral is invested in a private investment company managed by the Manager or its affiliates. However, BIM has agreed to cap the collateral investment expenses of the private investment company to an annual rate of 0.04%. In addition, in accordance with the exemptive order, the investment adviser to the private investment company will not charge any advisory fees with respect to shares

purchased by the Master Portfolio. Such shares also will not be subject to a sales load, distribution fee or service fee. If the private investment company's weekly liquid assets fall below 30% of its total assets, BIM, as managing member of the private investment company, is permitted at any time, if it determines it to be in the best interests of the private investment company, to impose a liquidity fee of up to 2% of the value of units withdrawn or impose a redemption gate that temporarily suspends the right of withdrawal out of the private investment company. In addition, if the private investment company's weekly liquid assets fall below 10% of its total assets at the end of any business day, the private investment company will impose a liquidity fee in the default amount of 1% of the amount withdrawn, generally effective as of the next business day, unless BIM determines that a higher (not to exceed 2%) or lower fee level or not imposing a liquidity fee is in the best interests of the private investment company. The shares of the private investment company purchased by the Master Portfolio would be subject to any such liquidity fee or redemption gate imposed.

Pursuant to the current securities lending agreement: (i) the Master Portfolio retains 71.5% of securities lending income (which excludes collateral investment expenses); and (ii) this amount can never be less than 65% of the sum of securities lending income plus collateral investment expenses.

Under the securities lending program, the Master Portfolio is categorized into a specific asset class. The determination of the Master Portfolio's asset class category (fixed-income, domestic equity, international equity or fund of funds), each of which may be subject to a different fee arrangement, is based on a methodology agreed to between the Corporation and BIM.

In addition, commencing the business day following the date that the aggregate securities lending income earned across certain funds in the Equity-Liquidity Complex in a calendar year exceeds a specified threshold, the Master Portfolio, pursuant to the current securities lending agreement, will receive for the remainder of that calendar year securities lending income as follows: (i) 75% of securities lending income; and (ii) this amount can never be less than 65% of the sum of securities lending income plus collateral investment expenses.

Prior to February 26, 2018, the Master Portfolio had a different securities lending arrangement.

The services provided to the Master Portfolio by BIM, in the most recent fiscal year ended June 30, 2018, primarily included the following:

- (1) selecting borrowers from an approved list of borrowers and executing a securities lending agreement as agent on behalf of the Master Portfolio with each such borrower;
- (2) negotiating the terms of securities loans, including the amount of fees;
- (3) directing the delivery of loaned securities;
- (4) monitoring the daily value of the loaned securities and directing the payment of additional collateral or the return of excess collateral, as necessary;
- (5) investing cash collateral received in connection with any loaned securities;
- (6) monitoring distributions on loaned securities (for example, interest and dividend activity);
- (7) in the event of default by a borrower with respect to any securities loan, using the collateral or the proceeds of the liquidation of collateral to purchase replacement securities of the same issue, type, class and series as that of the loaned securities; and
- (8) terminating securities loans and arranging for the return of loaned securities to the Master Portfolio at loan termination.

The following table shows the dollar amounts of income and fees/compensation related to the securities lending activities of the Master Portfolio during its most recent fiscal year ended June 30, 2018.

	<u>BlackRock Large Cap Focus Growth Master Portfolio</u>
Gross income from securities lending activities	\$224,592
<i>Fees and/or compensation for securities lending activities and related services</i>	
Securities lending income paid to BIM for services as securities lending agent	\$43,499
Cash collateral management expenses not included in securities lending income paid to BIM	\$11,788
Administrative fees not included in securities lending income paid to BIM	\$0
Indemnification fees not included in securities lending income paid to BIM	\$0
Rebates (paid to borrowers)	\$23,049
Other fees not included in securities lending income paid to BIM	\$0
Aggregate fees/compensation for securities lending activities	\$67,726
Net income from securities lending activities	\$156,866

VIII. Additional Information

Independent Registered Public Accounting Firm

Deloitte & Touche LLP, with offices at 200 Berkeley Street, Boston, Massachusetts, 02116, serves as the Fund's and Master Portfolio's independent registered public accounting firm.

Description of Shares

The Corporation is a Maryland corporation incorporated on October 20, 1999 as Merrill Lynch Large Cap Series Funds, Inc. and is registered under the Investment Company Act as an open-end management investment company. The Fund is diversified. Effective September 29, 2006, the Corporation changed its name to BlackRock Large Cap Series Funds, Inc. Currently, the Corporation is comprised of four series: BlackRock Large Cap Focus Growth Fund (formerly known as BlackRock Large Cap Growth Fund), BlackRock Advantage Large Cap Value Fund (formerly known as BlackRock Large Cap Value Fund), BlackRock Advantage Large Cap Core Fund (formerly known as BlackRock Large Cap Core Fund) and BlackRock Event Driven Equity Fund (formerly known as BlackRock Large Cap Core Plus Fund). The Corporation has an authorized capital of 11,650,000,000 shares of Common Stock, par value \$0.10 per share.

<u>Common Stock</u>	<u>BlackRock Large Cap Focus Growth Fund</u>	<u>BlackRock Advantage Large Cap Value Fund</u>	<u>BlackRock Advantage Large Cap Core Fund</u>
Investor A	100,000,000	400,000,000	300,000,000
Investor B	200,000,000	200,000,000	200,000,000
Investor C	100,000,000	400,000,000	400,000,000
Institutional	100,000,000	400,000,000	400,000,000
Class R	200,000,000	200,000,000	200,000,000
Class K	2,000,000,000	2,000,000,000	2,000,000,000
Service	50,000,000	50,000,000	50,000,000

<u>Common Stock</u>	<u>BlackRock Event Driven Equity Fund</u>
Investor A	300,000,000
Investor C	400,000,000
Institutional	400,000,000

Effective December 27, 2017, all of the issued and outstanding Investor B Shares of the Fund were converted into Investor A Shares of the Fund.

Principal Shareholders

To the knowledge of the Fund, the following entities owned of record or beneficially 5% or more of a class of the Fund's shares as of October 3, 2018.

<u>Name</u>	<u>Address</u>	<u>%</u>	<u>Class</u>
Merrill Lynch, Pierce, Fenner & Smith Incorporated	4800 East Deer Lake Drive 3rd Floor Jacksonville, FL 32246-6484	59.46%	Investor A Shares
National Financial Services LLC	499 Washington Boulevard 5th Floor Jersey City, NJ 07310-2010	8.10%	Investor A Shares
Merrill Lynch, Pierce, Fenner & Smith Incorporated	4800 East Deer Lake Drive 3rd Floor Jacksonville, FL 32246-6484	54.39%	Investor C Shares
Pershing LLC	1 Pershing Plaza Jersey City, NJ 07399-0001	5.06%	Investor C Shares
Merrill Lynch, Pierce, Fenner & Smith Incorporated	4800 East Deer Lake Drive 3rd Floor Jacksonville, FL 32246-6484	49.99%	Institutional Shares
American Enterprise Investment Services, Inc.	707 2nd Avenue South Minneapolis, MN 55402-2405	10.83%	Institutional Shares
LPL Financial	4707 Executive Drive San Diego, CA 92121-3091	8.48%	Institutional Shares
Morgan Stanley & Co.	Harborside Financial Center Plaza II, 3rd Floor Jersey City, NJ 07311	5.03%	Institutional Shares
National Financial Services LLC	499 Washington Boulevard 5th Floor Jersey City, NJ 07310-2010	8.83%	Institutional Shares
TD Ameritrade	P.O. Box 2226 Omaha, NE 68103-2226	11.04%	Service Shares
State Street Bank and Trust Company	One Lincoln Street Boston, MA 02111	7.60%	Service Shares
National Financial Services LLC	499 Washington Boulevard 5th Floor Jersey City, NJ 07310-2010	31.50%	Service Shares
Merrill Lynch, Pierce, Fenner & Smith Incorporated	4800 East Deer Lake Drive 3rd Floor Jacksonville, FL 32246-6484	65.12%	Class R Shares
Edward D. Jones & Co.	12555 Manchester Road St. Louis, MO 63131-3710	95.68%	Class K Shares

IX. Financial Statements

The audited financial statements and notes thereto in the Fund's and Master Portfolio's Annual Report to Shareholders for the fiscal year ended June 30, 2018 (the "2018 Annual Report") are incorporated in this SAI by reference. No other part of the 2018 Annual Report is incorporated by reference herein. The financial statements included in the 2018 Annual Report have been audited by Deloitte & Touche LLP. The reports of Deloitte & Touche LLP are incorporated herein by reference. Such financial statements have been incorporated herein in reliance upon such reports given upon Deloitte & Touche LLP's authority as experts in accounting and auditing. Additional copies of the 2018 Annual Report may be obtained at no charge by telephoning the Distributor at the telephone number appearing on the front page of this SAI.

PART II

Throughout this Statement of Additional Information (“SAI”), each BlackRock-advised fund may be referred to as a “Fund” or collectively with others as the “Funds.”

Each Fund is organized either as a Maryland corporation, a Massachusetts business trust or a Delaware statutory trust. In each jurisdiction, nomenclature varies. For ease and clarity of presentation, shares of common stock and shares of beneficial interest are referred to herein as “shares” or “Common Stock,” holders of shares of Common Stock are referred to as “shareholders,” the trustees or directors of each Fund are referred to as “Directors,” BlackRock Advisors, LLC, BlackRock Fund Advisors or their respective affiliates is the investment adviser or manager of each Fund and is referred to herein as the “Manager” or “BlackRock,” and the investment advisory agreement or management agreement applicable to each Fund is referred to as the “Management Agreement.” Each Fund’s Articles of Incorporation or Declaration of Trust, together with all amendments thereto, is referred to as its “charter.” The Investment Company Act of 1940, as amended, is referred to herein as the “Investment Company Act.” The Securities Act of 1933, as amended, is referred to herein as the “Securities Act.” The Securities and Exchange Commission is referred to herein as the “Commission” or the “SEC.”

Certain Funds are “feeder” funds (each, a “Feeder Fund”) that invest all or a portion of their assets in a corresponding “master” portfolio (each, a “Master Portfolio”) of a master limited liability company (each, a “Master LLC”), a mutual fund that has the same objective and strategies as the Feeder Fund. All investments are generally made at the level of the Master Portfolio. This structure is sometimes called a “master/feeder” structure. A Feeder Fund’s investment results will correspond directly to the investment results of the underlying Master Portfolio in which it invests. For simplicity, this SAI uses the term “Fund” to include both a Feeder Fund and its Master Portfolio.

In addition to containing information about the Fund, Part II of this SAI contains general information about all funds in the BlackRock-advised fund complex. Certain information contained herein may not be relevant to a particular Fund.

INVESTMENT RISKS AND CONSIDERATIONS

Set forth below are descriptions of some of the types of investments and investment strategies that one or more of the Funds may use, and the risks and considerations associated with those investments and investment strategies. Please see each Fund’s Prospectus and the “Investment Objectives and Policies” section of Part I of this SAI for further information on each Fund’s investment policies and risks. Information contained in this section about the risks and considerations associated with a Fund’s investments and/or investment strategies applies only to those Funds specifically identified in Part I of this SAI as making each type of investment or using each investment strategy (each, a “Covered Fund”). Information that does not apply to a Covered Fund does not form a part of that Covered Fund’s Statement of Additional Information and should not be relied on by investors in that Covered Fund.

Only information that is clearly identified as applicable to a Covered Fund is considered to form a part of that Covered Fund’s Statement of Additional Information.

144A Securities. A Fund may purchase securities that can be offered and sold only to “qualified institutional buyers” under Rule 144A under the Securities Act. The Directors have determined to treat as liquid Rule 144A securities that are either freely tradable in their primary markets offshore or have been determined to be liquid in accordance with the policies and procedures adopted by the Fund’s Directors. The Directors have adopted guidelines and delegated to the Manager the daily function of determining and monitoring liquidity of 144A securities. The Directors, however, will retain sufficient oversight and will ultimately be responsible for the determinations. Since it is not possible to predict with assurance exactly how the market for securities sold and offered under Rule 144A will continue to develop, the Directors will carefully monitor a Fund’s investments in these securities. This investment practice could have the effect of increasing the level of illiquidity in a Fund to the extent that qualified institutional buyers become for a time uninterested in purchasing these securities.

Asset-Backed Securities. Asset-backed securities are securities backed by home equity loans, installment sale contracts, credit card receivables or other assets. Asset-backed securities are “pass-through” securities, meaning that principal and interest payments — net of expenses — made by the borrower on the underlying assets (such as credit card receivables) are passed through to a Fund. The value of asset-backed securities, like that of traditional fixed-income securities, typically increases when interest rates fall and decreases when interest rates rise. However, asset-backed securities differ from traditional fixed-income securities because of their potential for prepayment. The price paid by a Fund for its asset-backed securities, the yield the Fund expects to receive from such

securities and the average life of the securities are based on a number of factors, including the anticipated rate of prepayment of the underlying assets. In a period of declining interest rates, borrowers may prepay the underlying assets more quickly than anticipated, thereby reducing the yield to maturity and the average life of the asset-backed securities. Moreover, when a Fund reinvests the proceeds of a prepayment in these circumstances, it will likely receive a rate of interest that is lower than the rate on the security that was prepaid. To the extent that a Fund purchases asset-backed securities at a premium, prepayments may result in a loss to the extent of the premium paid. If a Fund buys such securities at a discount, both scheduled payments and unscheduled prepayments will increase current and total returns and unscheduled prepayments will also accelerate the recognition of income which, when distributed to shareholders, will be taxable as ordinary income. In a period of rising interest rates, prepayments of the underlying assets may occur at a slower than expected rate, creating maturity extension risk. This particular risk may effectively change a security that was considered short- or intermediate-term at the time of purchase into a longer term security. Since the value of longer-term securities generally fluctuates more widely in response to changes in interest rates than does the value of shorter term securities, maturity extension risk could increase the volatility of the Fund. When interest rates decline, the value of an asset-backed security with prepayment features may not increase as much as that of other fixed-income securities, and, as noted above, changes in market rates of interest may accelerate or retard prepayments and thus affect maturities.

Asset-Based Securities. Certain Funds may invest in debt, preferred or convertible securities, the principal amount, redemption terms or conversion terms of which are related to the market price of some natural resource asset such as gold bullion. These securities are referred to as “asset-based securities.” A Fund will purchase only asset-based securities that are rated, or are issued by issuers that have outstanding debt obligations rated, investment grade (for example, AAA, AA, A or BBB by S&P Global Ratings (“S&P”) or Fitch Ratings (“Fitch”), or Baa by Moody’s Investors Service, Inc. (“Moody’s”) or commercial paper rated A-1 by S&P or Prime-1 by Moody’s) or by issuers that the Manager has determined to be of similar creditworthiness. Obligations ranked in the fourth highest rating category, while considered “investment grade,” may have certain speculative characteristics and may be more likely to be downgraded than securities rated in the three highest rating categories. If an asset-based security is backed by a bank letter of credit or other similar facility, the Manager may take such backing into account in determining the creditworthiness of the issuer. While the market prices for an asset-based security and the related natural resource asset generally are expected to move in the same direction, there may not be perfect correlation in the two price movements. Asset-based securities may not be secured by a security interest in or claim on the underlying natural resource asset. The asset-based securities in which a Fund may invest may bear interest or pay preferred dividends at below market (or even relatively nominal) rates. Certain asset-based securities may be payable at maturity in cash at the stated principal amount or, at the option of the holder, directly in a stated amount of the asset to which it is related. In such instance, because no Fund presently intends to invest directly in natural resource assets, a Fund would sell the asset-based security in the secondary market, to the extent one exists, prior to maturity if the value of the stated amount of the asset exceeds the stated principal amount and thereby realize the appreciation in the underlying asset.

Precious Metal-Related Securities. A Fund may invest in the equity securities of companies that explore for, extract, process or deal in precious metals (e.g., gold, silver and platinum), and in asset-based securities indexed to the value of such metals. Such securities may be purchased when they are believed to be attractively priced in relation to the value of a company’s precious metal-related assets or when the values of precious metals are expected to benefit from inflationary pressure or other economic, political or financial uncertainty or instability. Based on historical experience, during periods of economic or financial instability the securities of companies involved in precious metals may be subject to extreme price fluctuations, reflecting the high volatility of precious metal prices during such periods. In addition, the instability of precious metal prices may result in volatile earnings of precious metal-related companies, which may, in turn, adversely affect the financial condition of such companies.

The major producers of gold include the Republic of South Africa, Russia, Canada, the United States, Brazil and Australia. Sales of gold by Russia are largely unpredictable and often relate to political and economic considerations rather than to market forces. Economic, financial, social and political factors within South Africa may significantly affect South African gold production.

Bank Loans. Certain Funds may invest in bank loans. Bank loans are generally non-investment grade floating rate instruments. Usually, they are freely callable at the issuer’s option. Certain Funds may invest in fixed and floating rate loans (“Loans”) arranged through private negotiations between a corporate borrower or a foreign sovereign entity and one or more financial institutions (“Lenders”). A Fund may invest in such Loans in the form of participations in Loans (“Participations”) and assignments of all or a portion of Loans from third parties (“Assignments”). A Fund considers these investments to be investments in debt securities for purposes of its investment policies. Participations typically will result in the Fund having a contractual relationship only with the Lender, not with the borrower. The Fund will have the right to receive payments of principal, interest and any fees to which it is

entitled only from the Lender selling the Participation and only upon receipt by the Lender of the payments from the borrower. In connection with purchasing Participations, the Fund generally will have no right to enforce compliance by the borrower with the terms of the loan agreement relating to the Loans, nor any rights of set-off against the borrower, and the Fund may not benefit directly from any collateral supporting the Loan in which it has purchased the Participation. As a result, the Fund will assume the credit risk of both the borrower and the Lender that is selling the Participation. In the event of the insolvency of the Lender selling the Participation, the Fund may be treated as a general creditor of the Lender and may not benefit from any set-off between the Lender and the borrower. The Fund will acquire Participations only if the Lender interpositioned between the Fund and the borrower is determined by the Fund's manager to be creditworthy. When the Fund purchases Assignments from Lenders, the Fund will acquire direct rights against the borrower on the Loan, and will not have exposure to a counterparty's credit risk. The Funds may enter into Participations and Assignments on a forward commitment or "when-issued" basis, whereby a Fund would agree to purchase a Participation or Assignment at set terms in the future. For more information on forward commitments and when-issued securities, see "When-Issued Securities, Delayed Delivery Securities and Forward Commitments" below.

A Fund may have difficulty disposing of Assignments and Participations. In certain cases, the market for such instruments is not highly liquid, and therefore the Fund anticipates that in such cases such instruments could be sold only to a limited number of institutional investors. The lack of a highly liquid secondary market may have an adverse impact on the value of such instruments and on the Fund's ability to dispose of particular Assignments or Participations in response to a specific economic event, such as deterioration in the creditworthiness of the borrower. Assignments and Participations will not be considered illiquid so long as it is determined by the Funds' manager that an adequate trading market exists for these securities. To the extent that liquid Assignments and Participations that a Fund holds become illiquid, due to the lack of sufficient buyers or market or other conditions, the percentage of the Fund's assets invested in illiquid assets would increase.

Leading financial institutions often act as agent for a broader group of lenders, generally referred to as a syndicate. The syndicate's agent arranges the loans, holds collateral and accepts payments of principal and interest. If the agent develops financial problems, a Fund may not recover its investment or recovery may be delayed.

The Loans in which the Fund may invest are subject to the risk of loss of principal and income. Although borrowers frequently provide collateral to secure repayment of these obligations they do not always do so. If they do provide collateral, the value of the collateral may not completely cover the borrower's obligations at the time of a default. If a borrower files for protection from its creditors under the U.S. bankruptcy laws, these laws may limit a Fund's rights to its collateral. In addition, the value of collateral may erode during a bankruptcy case. In the event of a bankruptcy, the holder of a Loan may not recover its principal, may experience a long delay in recovering its investment and may not receive interest during the delay.

In certain circumstances, Loans may not be deemed to be securities under certain federal securities laws. Therefore, in the event of fraud or misrepresentation by a borrower or an arranger, Lenders and purchasers of interests in Loans, such as the Fund, may not have the protection of the anti-fraud provisions of the federal securities laws as would otherwise be available for bonds or stocks. Instead, in such cases, parties generally would rely on the contractual provisions in the Loan agreement itself and common-law fraud protections under applicable state law.

Borrowing and Leverage. Each Fund may borrow as a temporary measure for extraordinary or emergency purposes, including to meet redemptions or to settle securities transactions. Certain Funds will not purchase securities at any time when borrowings exceed 5% of their total assets, except (a) to honor prior commitments or (b) to exercise subscription rights when outstanding borrowings have been obtained exclusively for settlements of other securities transactions.

Certain Funds may also borrow in order to make investments, to the extent disclosed in such Fund's Prospectus. The purchase of securities while borrowings are outstanding will have the effect of leveraging the Fund. Such leveraging increases the Fund's exposure to capital risk, and borrowed funds are subject to interest costs that will reduce net income. The use of leverage by a Fund creates an opportunity for greater total return, but, at the same time, creates special risks. For example, leveraging may exaggerate changes in the net asset value of Fund shares and in the yield on the Fund's portfolio. Although the principal of such borrowings will be fixed, the Fund's assets may change in value during the time the borrowings are outstanding. Borrowings will create interest expenses for the Fund that can exceed the income from the assets purchased with the borrowings. To the extent the income or capital appreciation derived from securities purchased with borrowed funds exceeds the interest the Fund will have to pay on the borrowings, the Fund's return will be greater than if leverage had not been used. Conversely, if the income or capital appreciation from the securities purchased with such borrowed funds is not sufficient to cover the cost of borrowing, the return to the Fund will be less than if leverage had not been used and, therefore, the amount available for distribution to shareholders as

dividends will be reduced. In the latter case, the Manager in its best judgment nevertheless may determine to maintain the Fund's leveraged position if it expects that the benefits to the Fund's shareholders of maintaining the leveraged position will outweigh the current reduced return.

Certain types of borrowings by a Fund may result in the Fund being subject to covenants in credit agreements relating to asset coverage, portfolio composition requirements and other matters. It is not anticipated that observance of such covenants would impede the Manager from managing a Fund's portfolio in accordance with the Fund's investment objectives and policies. However, a breach of any such covenants not cured within the specified cure period may result in acceleration of outstanding indebtedness and require the Fund to dispose of portfolio investments at a time when it may be disadvantageous to do so.

Each Fund may at times borrow from affiliates of the Manager, provided that the terms of such borrowings are no less favorable than those available from comparable sources of funds in the marketplace.

To the extent permitted by a Fund's investment policies and restrictions and subject to the conditions of an exemptive order issued by the SEC, as described below under "Investment Risks and Considerations — Interfund Lending Program," such Fund may borrow for temporary purposes through the Interfund Lending Program (as defined below).

Cash Flows; Expenses. The ability of each Fund to satisfy its investment objective depends to some extent on the Manager's ability to manage cash flow (primarily from purchases and redemptions and distributions from the Fund's investments). The Manager will make investment changes to a Fund's portfolio to accommodate cash flow while continuing to seek to replicate the total return of the Fund's target index. Investors should also be aware that the investment performance of each index is a hypothetical number which does not take into account brokerage commissions and other transaction costs, custody and other costs of investing, and any incremental operating costs (e.g., transfer agency and accounting costs) that will be borne by the Funds. Finally, since each Fund seeks to replicate the total return of its target index, the Manager generally will not attempt to judge the merits of any particular security as an investment.

Cash Management. Generally, the Manager will employ futures and options on futures to provide liquidity necessary to meet anticipated redemptions or for day-to-day operating purposes. However, if considered appropriate in the opinion of the Manager, a portion of a Fund's assets may be invested in certain types of instruments with remaining maturities of 397 days or less for liquidity purposes. Such instruments would consist of: (i) obligations of the U.S. Government, its agencies, instrumentalities, authorities or political subdivisions ("U.S. Government Securities"); (ii) other fixed-income securities rated Aa or higher by Moody's or AA or higher by S&P or, if unrated, of comparable quality in the opinion of the Manager; (iii) commercial paper; (iv) bank obligations, including negotiable certificates of deposit, time deposits and bankers' acceptances; and (v) repurchase agreements. At the time the Fund invests in commercial paper, bank obligations or repurchase agreements, the issuer or the issuer's parent must have outstanding debt rated Aa or higher by Moody's or AA or higher by S&P or outstanding commercial paper, bank obligations or other short-term obligations rated Prime-1 by Moody's or A-1 by S&P; or, if no such ratings are available, the instrument must be of comparable quality in the opinion of the Manager.

Collateralized Debt Obligations. Certain Funds may invest in collateralized debt obligations ("CDOs"), which include collateralized bond obligations ("CBOs"), collateralized loan obligations ("CLOs") and other similarly structured securities. CDOs are types of asset-backed securities. A CBO is ordinarily issued by a trust or other special purpose entity ("SPE") and is typically backed by a diversified pool of fixed-income securities (which may include high risk, below investment grade securities) held by such issuer. A CLO is ordinarily issued by a trust or other SPE and is typically collateralized by a pool of loans, which may include, among others, domestic and non-U.S. senior secured loans, senior unsecured loans, and subordinate corporate loans, including loans that may be rated below investment grade or equivalent unrated loans, held by such issuer. Investments in a CLO organized outside of the United States may not be deemed to be foreign securities if the CLO is collateralized by a pool of loans, a substantial portion of which are U.S. loans. Although certain CDOs may benefit from credit enhancement in the form of a senior-subordinate structure, overcollateralization or bond insurance, such enhancement may not always be present, and may fail to protect a Fund against the risk of loss on default of the collateral. Certain CDO issuers may use derivatives contracts to create "synthetic" exposure to assets rather than holding such assets directly, which entails the risks of derivative instruments described elsewhere in this SAI. CDOs may charge management fees and administrative expenses, which are in addition to those of a Fund.

For both CBOs and CLOs, the cash flows from the SPE are split into two or more portions, called tranches, varying in risk and yield. The riskiest portion is the "equity" tranche, which bears the first loss from defaults from the bonds or loans in the SPE and serves to protect the other, more senior tranches from default (though such protection is not complete). Since it is partially protected from defaults, a senior tranche from a CBO or CLO typically has higher ratings and lower yields than its underlying

securities, and may be rated investment grade. Despite the protection from the equity tranche, CBO or CLO tranches can experience substantial losses due to actual defaults, downgrades of the underlying collateral by rating agencies, forced liquidation of the collateral pool due to a failure of coverage tests, increased sensitivity to defaults due to collateral default and disappearance of protecting tranches, market anticipation of defaults as well as investor aversion to CBO or CLO securities as a class. Interest on certain tranches of a CDO may be paid in kind or deferred and capitalized (paid in the form of obligations of the same type rather than cash), which involves continued exposure to default risk with respect to such payments.

The risks of an investment in a CDO depend largely on the type of the collateral securities and the class of the CDO in which a Fund invests. Normally, CBOs, CLOs and other CDOs are privately offered and sold, and thus are not registered under the securities laws. As a result, investments in CDOs may be characterized by a Fund as illiquid securities. However, an active dealer market may exist for CDOs, allowing a CDO to qualify for Rule 144A transactions. In addition to the normal risks associated with fixed-income securities and asset-backed securities generally discussed elsewhere in this SAI, CDOs carry additional risks including, but not limited to: (i) the possibility that distributions from collateral securities will not be adequate to make interest or other payments; (ii) the risk that the collateral may default or decline in value or be downgraded, if rated by a nationally recognized statistical rating organization (“NRSRO”); (iii) a Fund may invest in tranches of CDOs that are subordinate to other tranches; (iv) the structure and complexity of the transaction and the legal documents could lead to disputes among investors regarding the characterization of proceeds; (v) the investment return achieved by the Fund could be significantly different than those predicted by financial models; (vi) the lack of a readily available secondary market for CDOs; (vii) the risk of forced “fire sale” liquidation due to technical defaults such as coverage test failures; and (viii) the CDO’s manager may perform poorly.

Commercial Paper. Certain Funds may purchase commercial paper. Commercial paper purchasable by each Fund includes “Section 4(2) paper,” a term that includes debt obligations issued in reliance on the “private placement” exemption from registration afforded by Section 4(a)(2) of the Securities Act. Section 4(2) paper is restricted as to disposition under the Federal securities laws, and is frequently sold (and resold) to institutional investors such as the Fund through or with the assistance of investment dealers who make a market in the Section 4(2) paper, thereby providing liquidity. Certain transactions in Section 4(2) paper may qualify for the registration exemption provided in Rule 144A under the Securities Act. Most Funds can purchase commercial paper rated (at the time of purchase) “A-1” by S&P or “Prime-1” by Moody’s or when deemed advisable by a Fund’s Manager or sub-adviser, “high quality” issues rated “A-2”, “Prime-2” or “F-2” by S&P, Moody’s or Fitch, respectively.

Commodity-Linked Derivative Instruments and Hybrid Instruments. Certain Funds seek to gain exposure to the commodities markets primarily through investments in hybrid instruments. Hybrid instruments are either equity or debt derivative securities with one or more commodity-dependent components that have payment features similar to a commodity futures contract, a commodity option contract, or a combination of both. Therefore, these instruments are “commodity-linked.” They are considered “hybrid” instruments because they have both commodity-like and security-like characteristics. Hybrid instruments are derivative instruments because at least part of their value is derived from the value of an underlying commodity, futures contract, index or other readily measurable economic variable.

The prices of commodity-linked derivative instruments may move in different directions than investments in traditional equity and debt securities when the value of those traditional securities is declining due to adverse economic conditions. As an example, during periods of rising inflation, debt securities have historically tended to decline in value due to the general increase in prevailing interest rates. Conversely, during those same periods of rising inflation, the prices of certain commodities, such as oil and metals, have historically tended to increase. Of course, there cannot be any guarantee that these investments will perform in that manner in the future, and at certain times the price movements of commodity-linked instruments have been parallel to those of debt and equity securities. Commodities have historically tended to increase and decrease in value during different parts of the business cycle than financial assets. Nevertheless, at various times, commodities prices may move in tandem with the prices of financial assets and thus may not provide overall portfolio diversification benefits. Under favorable economic conditions, the Fund’s investments may be expected to under-perform an investment in traditional securities. Over the long term, the returns on the Fund’s investments are expected to exhibit low or negative correlation with stocks and bonds.

Qualifying Hybrid Instruments. Certain Funds may invest in hybrid instruments that qualify for exclusion from regulation under the Commodity Exchange Act and the regulations adopted thereunder. A hybrid instrument that qualifies for this exclusion from regulation must be “predominantly a security.” A hybrid instrument is considered to be predominantly a security if (a) the issuer of the hybrid instrument receives payment in full of the purchase price of the hybrid instrument, substantially contemporaneously with delivery of the hybrid instrument; (b) the purchaser or holder of the hybrid instrument is not required to make any payment to the issuer in addition to the purchase price paid under subparagraph (a), whether as margin, settlement payment, or otherwise,

during the life of the hybrid instrument or at maturity; (c) the issuer of the hybrid instrument is not subject by the terms of the instrument to mark-to-market margining requirements; and (d) the hybrid instrument is not marketed as a contract of sale of a commodity for future delivery (or option on such a contract) subject to applicable provisions of the Commodity Exchange Act. Hybrid instruments may be principal protected, partially protected, or offer no principal protection. A principal protected hybrid instrument means that the issuer will pay, at a minimum, the par value of the note at maturity. Therefore, if the commodity value to which the hybrid instrument is linked declines over the life of the note, the Fund will receive at maturity the face or stated value of the note. With a principal protected hybrid instrument, the Fund will receive at maturity the greater of the par value of the note or the increase in its value based on the underlying commodity or index. This protection is, in effect, an option whose value is subject to the volatility and price level of the underlying commodity. The Manager's decision whether to use principal protection depends in part on the cost of the protection. In addition, the protection feature depends upon the ability of the issuer to meet its obligation to buy back the security, and, therefore, depends on the creditworthiness of the issuer. With full principal protection, the Fund will receive at maturity of the hybrid instrument either the stated par value of the hybrid instrument, or potentially, an amount greater than the stated par value if the underlying commodity, index, futures contract or economic variable to which the hybrid instrument is linked has increased in value. Partially protected hybrid instruments may suffer some loss of principal if the underlying commodity, index, futures contract or economic variable to which the hybrid instrument is linked declines in value during the term of the hybrid instrument. However, partially protected hybrid instruments have a specified limit as to the amount of principal that they may lose.

Hybrid Instruments Without Principal Protection. Certain Funds may invest in hybrid instruments that offer no principal protection. At maturity, there is a risk that the underlying commodity price, futures contract, index or other economic variable may have declined sufficiently in value such that some or all of the face value of the hybrid instrument might not be returned. The Manager, at its discretion, may invest in a partially protected principal structured note or a note without principal protection. In deciding to purchase a note without principal protection, the Manager may consider, among other things, the expected performance of the underlying commodity futures contract, index or other economic variable over the term of the note, the cost of the note, and any other economic factors that the Manager believes are relevant.

Limitations on Leverage. Some of the hybrid instruments in which a Fund may invest may involve leverage. To avoid being subject to undue leverage risk, a Fund will seek to limit the amount of economic leverage it has under any one hybrid instrument that it buys and the leverage of the Fund's overall portfolio. A Fund will not invest in a hybrid instrument if, at the time of purchase: (i) that instrument's "leverage ratio" exceeds 300% of the price increase in the underlying commodity, futures contract, index or other economic variable or (ii) the Fund's "portfolio leverage ratio" exceeds 150%, measured at the time of purchase. "Leverage ratio" is the expected increase in the value of a hybrid instrument, assuming a one percent price increase in the underlying commodity, futures contract, index or other economic factor. In other words, for a hybrid instrument with a leverage factor of 150%, a 1% gain in the underlying economic variable would be expected to result in a 1.5% gain in value for the hybrid instrument. Conversely, a hybrid instrument with a leverage factor of 150% would suffer a 1.5% loss if the underlying economic variable lost 1% of its value. "Portfolio leverage ratio" is defined as the average (mean) leverage ratio of all instruments in a Fund's portfolio, weighted by the market values of such instruments or, in the case of futures contracts, their notional values. To the extent that the policy on a Fund's use of leverage stated above conflicts with the Investment Company Act or the rules and regulations thereunder, the Fund will comply with the applicable provisions of the Investment Company Act. A Fund may at times or from time to time decide not to use leverage in its investments or use less leverage than may otherwise be allowable.

Counterparty Risk. A significant risk of hybrid instruments is counterparty risk. Unlike exchange-traded futures and options, which are standard contracts, hybrid instruments are customized securities, tailor-made by a specific issuer. With a listed futures or options contract, an investor's counterparty is the exchange clearinghouse. Exchange clearinghouses are capitalized by the exchange members and typically have high investment grade ratings (e.g., ratings of AAA or AA by S&P). Therefore, the risk is small that an exchange clearinghouse might be unable to meet its obligations at maturity. However, with a hybrid instrument, a Fund will take on the counterparty credit risk of the issuer. That is, at maturity of the hybrid instrument, there is a risk that the issuer may be unable to perform its obligations under the structured note.

Convertible Securities. A convertible security is a bond, debenture, note, preferred stock or other security that may be converted into or exchanged for a prescribed amount of common stock or other equity security of the same or a different issuer within a particular period of time at a specified price or formula. A convertible security entitles the holder to receive interest paid or accrued on debt or the dividend paid on preferred stock until the convertible security matures or is redeemed, converted or exchanged. Before conversion, convertible securities have characteristics similar to nonconvertible income securities in that they

ordinarily provide a stable stream of income with generally higher yields than those of common stocks of the same or similar issuers, but lower yields than comparable nonconvertible securities. The value of a convertible security is influenced by changes in interest rates, with investment value declining as interest rates increase and increasing as interest rates decline. The credit standing of the issuer and other factors also may have an effect on the convertible security's investment value. Convertible securities rank senior to common stock in a corporation's capital structure but are usually subordinated to comparable nonconvertible securities. Convertible securities may be subject to redemption at the option of the issuer at a price established in the convertible security's governing instrument.

The characteristics of convertible securities make them potentially attractive investments for an investment company seeking a high total return from capital appreciation and investment income. These characteristics include the potential for capital appreciation as the value of the underlying common stock increases, the relatively high yield received from dividend or interest payments as compared to common stock dividends and decreased risks of decline in value relative to the underlying common stock due to their fixed-income nature. As a result of the conversion feature, however, the interest rate or dividend preference on a convertible security is generally less than would be the case if the securities were issued in nonconvertible form.

In analyzing convertible securities, the Manager will consider both the yield on the convertible security relative to its credit quality and the potential capital appreciation that is offered by the underlying common stock, among other things.

Convertible securities are issued and traded in a number of securities markets. Even in cases where a substantial portion of the convertible securities held by a Fund are denominated in U.S. dollars, the underlying equity securities may be quoted in the currency of the country where the issuer is domiciled. As a result, fluctuations in the exchange rate between the currency in which the debt security is denominated and the currency in which the share price is quoted will affect the value of the convertible security. With respect to convertible securities denominated in a currency different from that of the underlying equity securities, the conversion price may be based on a fixed exchange rate established at the time the security is issued, which may increase the effects of currency risk. As described below, a Fund is authorized to enter into foreign currency hedging transactions in which it may seek to reduce the effect of exchange rate fluctuations.

Apart from currency considerations, the value of convertible securities is influenced by both the yield on nonconvertible securities of comparable issuers and by the value of the underlying common stock. The value of a convertible security viewed without regard to its conversion feature (*i.e.*, strictly on the basis of its yield) is sometimes referred to as its "investment value." To the extent interest rates change, the investment value of the convertible security typically will fluctuate. At the same time, however, the value of the convertible security will be influenced by its "conversion value," which is the market value of the underlying common stock that would be obtained if the convertible security were converted. Conversion value fluctuates directly with the price of the underlying common stock. If the conversion value of a convertible security is substantially below its investment value, the price of the convertible security is governed principally by its investment value. To the extent the conversion value of a convertible security increases to a point that approximates or exceeds its investment value, the price of the convertible security will be influenced principally by its conversion value. A convertible security will sell at a premium over the conversion value to the extent investors place value on the right to acquire the underlying common stock while holding a fixed-income security. The yield and conversion premium of convertible securities issued in Japan and the Euromarket are frequently determined at levels that cause the conversion value to affect their market value more than the securities' investment value.

Holders of convertible securities generally have a claim on the assets of the issuer prior to the common stockholders but may be subordinated to other debt securities of the same issuer. A convertible security may be subject to redemption at the option of the issuer at a price established in a charter provision, indenture or other governing instrument pursuant to which the convertible security was issued. If a convertible security held by a Fund is called for redemption, the Fund will be required to redeem the security, convert it into the underlying common stock or sell it to a third party. Certain convertible debt securities may provide a put option to the holder, which entitles the holder to cause the security to be redeemed by the issuer at a premium over the stated principal amount of the debt security under certain circumstances.

A Fund may also invest in synthetic convertible securities. Synthetic convertible securities may include either Cash-Settled Convertibles or Manufactured Convertibles. Cash-Settled Convertibles are instruments that are created by the issuer and have the economic characteristics of traditional convertible securities but may not actually permit conversion into the underlying equity securities in all circumstances. As an example, a private company may issue a Cash-Settled Convertible that is convertible into common stock only if the company successfully completes a public offering of its common stock prior to maturity and otherwise pays a cash amount to reflect any equity appreciation. Manufactured Convertibles are created by the Manager or another party by

combining separate securities that possess one of the two principal characteristics of a convertible security, *i.e.*, fixed-income (“fixed-income component”) or a right to acquire equity securities (“convertibility component”). The fixed-income component is achieved by investing in nonconvertible fixed-income securities, such as nonconvertible bonds, preferred stocks and money market instruments. The convertibility component is achieved by investing in call options, warrants, or other securities with equity conversion features (“equity features”) granting the holder the right to purchase a specified quantity of the underlying stocks within a specified period of time at a specified price or, in the case of a stock index option, the right to receive a cash payment based on the value of the underlying stock index.

A Manufactured Convertible differs from traditional convertible securities in several respects. Unlike a traditional convertible security, which is a single security that has a unitary market value, a Manufactured Convertible is comprised of two or more separate securities, each with its own market value. Therefore, the total “market value” of such a Manufactured Convertible is the sum of the values of its fixed-income component and its convertibility component.

More flexibility is possible in the creation of a Manufactured Convertible than in the purchase of a traditional convertible security. Because many corporations have not issued convertible securities, the Manager may combine a fixed-income instrument and an equity feature with respect to the stock of the issuer of the fixed-income instrument to create a synthetic convertible security otherwise unavailable in the market. The Manager may also combine a fixed-income instrument of an issuer with an equity feature with respect to the stock of a different issuer when the Manager believes such a Manufactured Convertible would better promote a Fund’s objective than alternative investments. For example, the Manager may combine an equity feature with respect to an issuer’s stock with a fixed-income security of a different issuer in the same industry to diversify the Fund’s credit exposure, or with a U.S. Treasury instrument to create a Manufactured Convertible with a higher credit profile than a traditional convertible security issued by that issuer. A Manufactured Convertible also is a more flexible investment in that its two components may be purchased separately and, upon purchasing the separate securities, “combined” to create a Manufactured Convertible. For example, the Fund may purchase a warrant for eventual inclusion in a Manufactured Convertible while postponing the purchase of a suitable bond to pair with the warrant pending development of more favorable market conditions.

The value of a Manufactured Convertible may respond to certain market fluctuations differently from a traditional convertible security with similar characteristics. For example, in the event a Fund created a Manufactured Convertible by combining a short-term U.S. Treasury instrument and a call option on a stock, the Manufactured Convertible would be expected to outperform a traditional convertible of similar maturity that is convertible into that stock during periods when Treasury instruments outperform corporate fixed-income securities and underperform during periods when corporate fixed-income securities outperform Treasury instruments.

Cyber Security Issues. With the increased use of technologies such as the Internet to conduct business, each Fund is susceptible to operational, information security and related risks. In general, cyber incidents can result from deliberate attacks or unintentional events. Cyber attacks include, but are not limited to, gaining unauthorized access to digital systems (*e.g.*, through “hacking” or malicious software coding) for purposes of misappropriating assets or sensitive information, corrupting data, or causing operational disruption. Cyber attacks may also be carried out in a manner that does not require gaining unauthorized access, such as causing denial-of-service attacks on websites (*i.e.*, efforts to make network services unavailable to intended users). Cyber security failures or breaches by a Fund’s adviser, sub-adviser(s) and other service providers (including, but not limited to, Fund accountants, custodians, transfer agents and administrators), and the issuers of securities in which the Funds invest, have the ability to cause disruptions and impact business operations, potentially resulting in financial losses, interference with a Fund’s ability to calculate its net asset value, impediments to trading, the inability of Fund shareholders to transact business, violations of applicable privacy and other laws, regulatory fines, penalties, reputational damage, reimbursement or other compensation costs, or additional compliance costs. In addition, substantial costs may be incurred in order to prevent any cyber incidents in the future. While the Funds have established business continuity plans in the event of, and risk management systems to prevent, such cyber attacks, there are inherent limitations in such plans and systems including the possibility that certain risks have not been identified. Furthermore, the Funds cannot control the cyber security plans and systems put in place by service providers to the Funds and issuers in which the Funds invest. The Funds and their shareholders could be negatively impacted as a result.

Debt Securities. Debt securities, such as bonds, involve credit risk. This is the risk that the issuer will not make timely payments of principal and interest. The degree of credit risk depends on the issuer’s financial condition and on the terms of the debt securities. Changes in an issuer’s credit rating or the market’s perception of an issuer’s creditworthiness may also affect the value of a Fund’s investment in that issuer. Credit risk is reduced to the extent a Fund limits its debt investments to U.S. Government securities.

All debt securities, however, are subject to interest rate risk. This is the risk that the value of the security may fall when interest rates rise. If interest rates move sharply in a manner not anticipated by Fund management, a Fund's investments in debt securities could be adversely affected and the Fund could lose money. In general, the market price of debt securities with longer maturities will go up or down more in response to changes in interest rates than will the market price of shorter-term debt securities.

During periods of rising interest rates, the average life of certain fixed-income securities is extended because of slower than expected principal payments. This may lock in a below-market interest rate and extend the duration of these fixed-income securities, especially mortgage-related securities, making them more sensitive to changes in interest rates. As a result, in a period of rising interest rates, these securities may exhibit additional volatility and lose value. This is known as extension risk.

The value of fixed-income securities in the Funds can be expected to vary inversely with changes in prevailing interest rates. Fixed-income securities with longer maturities, which tend to produce higher yields, are subject to potentially greater capital appreciation and depreciation than securities with shorter maturities. The Funds are not restricted to any maximum or minimum time to maturity in purchasing individual portfolio securities, and the average maturity of a Fund's assets will vary.

Depository Receipts (ADRs, EDRs and GDRs). Certain Funds may invest in the securities of foreign issuers in the form of Depository Receipts or other securities convertible into securities of foreign issuers. Depository Receipts may not necessarily be denominated in the same currency as the underlying securities into which they may be converted. The Fund may invest in both sponsored and unsponsored American Depository Receipts ("ADRs"), European Depository Receipts ("EDRs"), Global Depository Receipts ("GDRs") and other similar global instruments. ADRs typically are issued by an American bank or trust company and evidence ownership of underlying securities issued by a foreign corporation. EDRs, which are sometimes referred to as Continental Depository Receipts, are receipts issued in Europe, typically by foreign banks and trust companies, that evidence ownership of either foreign or domestic underlying securities. GDRs are depository receipts structured like global debt issues to facilitate trading on an international basis. In addition to investment risks associated with the underlying issuer, Depository Receipts expose a Fund to additional risks associated with the non-uniform terms that apply to Depository Receipt programs, credit exposure to the depository bank and to the sponsors and other parties with whom the depository bank establishes the programs, currency risk and liquidity risk. Unsponsored ADR, EDR and GDR programs are organized independently and without the cooperation of the issuer of the underlying securities. Unsponsored programs generally expose investors to greater risks than sponsored programs and do not provide holders with many of the shareholder benefits that come from investing in a sponsored Depository Receipt. Available information concerning the issuer may not be as current as for sponsored ADRs, EDRs and GDRs, and the prices of unsponsored ADRs, EDRs and GDRs may be more volatile than if such instruments were sponsored by the issuer. Depository Receipts are generally subject to the same risks as the foreign securities that they evidence or into which they may be converted. Investments in ADRs, EDRs and GDRs present additional investment considerations as described under "Foreign Investment Risks."

Derivatives. Each Fund may use instruments referred to as derivative securities. Derivatives are financial instruments the value of which is derived from another security, a commodity (such as gold or oil), a currency or an index (a measure of value or rates, such as the S&P 500 Index or the prime lending rate). Derivatives allow a Fund to increase or decrease the level of risk to which the Fund is exposed more quickly and efficiently than transactions in other types of instruments. Each Fund may use derivatives for hedging purposes. Certain Funds may also use derivatives for speculative purposes to seek to enhance returns. The use of a derivative is speculative if the Fund is primarily seeking to achieve gains, rather than offset the risk of other positions. When a Fund invests in a derivative for speculative purposes, the Fund will be fully exposed to the risks of loss of that derivative, which may sometimes be greater than the derivative's cost. Certain Funds may utilize derivative instruments to maintain a portion of their portfolio long and short positions. Unless otherwise permitted, no Fund may use any derivative to gain exposure to an asset or class of assets that it would be prohibited by its investment restrictions from purchasing directly.

Hedging. Hedging is a strategy in which a derivative is used to offset the risks associated with other Fund holdings. Losses on the other investment may be substantially reduced by gains on a derivative that reacts in an opposite manner to market movements. While hedging can reduce losses, it can also reduce or eliminate gains or cause losses if the market moves in a manner different from that anticipated by the Fund or if the cost of the derivative outweighs the benefit of the hedge. Hedging also involves correlation risk, *i.e.* the risk that changes in the value of the derivative will not match those of the holdings being hedged as expected by a Fund, in which case any losses on the holdings being hedged may not be reduced or may be increased. The inability to close options and futures positions also could have an adverse impact on a Fund's ability to hedge effectively its portfolio. There is also a risk of loss by the Fund of margin deposits or collateral in the event of bankruptcy of a broker with whom the Fund has an open position in an option, a futures contract or a related option. There can be no assurance that a Fund's hedging strategies will be effective. No Fund is required to engage in hedging transactions and each Fund may choose not to do so.

A Fund may use derivative instruments and trading strategies, including the following:

Indexed and Inverse Securities. A Fund may invest in securities the potential return of which is based on an index or interest rate. As an illustration, a Fund may invest in a debt security that pays interest based on the current value of an interest rate index, such as the prime rate. A Fund may also invest in a debt security that returns principal at maturity based on the level of a securities index or a basket of securities, or based on the relative changes of two indices. In addition, certain Funds may invest in securities the potential return of which is based inversely on the change in an index or interest rate (that is, a security the value of which will move in the opposite direction of changes to an index or interest rate). For example, a Fund may invest in securities that pay a higher rate of interest when a particular index decreases and pay a lower rate of interest (or do not fully return principal) when the value of the index increases. If a Fund invests in such securities, it may be subject to reduced or eliminated interest payments or loss of principal in the event of an adverse movement in the relevant interest rate, index or indices. Indexed and inverse securities involve credit risk, and certain indexed and inverse securities may involve leverage risk, liquidity risk and currency risk. When used for hedging purposes, indexed and inverse securities involve correlation risk. (Furthermore, where such a security includes a contingent liability, in the event of an adverse movement in the underlying index or interest rate, a Fund may be required to pay substantial additional margin to maintain the position.)

Swap Agreements. Swap agreements are two-party contracts entered into primarily by institutional investors for periods ranging from a few weeks to more than one year. In a standard “swap” transaction, two parties agree to exchange the returns (or differentials in rates of return) earned or realized on particular predetermined investments or instruments, which can be adjusted for an interest factor. The gross returns to be exchanged or “swapped” between the parties are generally calculated with respect to a “notional amount,” *i.e.*, the return on or increase in value of a particular dollar amount invested at a particular interest rate or in a “basket” of securities representing a particular index.

Whether a Fund’s use of swap agreements or options on swap agreements (“swaptions”) will be successful in furthering its investment objectives will depend on the Manager’s or sub-adviser’s ability to predict correctly whether certain types of investments are likely to produce greater returns than other investments. Because they are two-party contracts and because they may have terms of greater than seven days, swap agreements may be considered to be illiquid. Moreover, a Fund bears the risk of loss of the amount expected to be received under a swap agreement in the event of the default or bankruptcy of a swap agreement counterparty. A Fund will enter into swap agreements only with counterparties that meet certain standards of creditworthiness. If there is a default by the other party to such a transaction, a Fund will have contractual remedies pursuant to the agreements related to the transaction. Swap agreements are also subject to the risk that a Fund will not be able to meet its obligations to the counterparty. The Fund, however, will segregate liquid assets permitted to be so segregated by the Commission in an amount equal to or greater than the market value of the liabilities under the swap agreement or the amount it would cost the Fund initially to make an equivalent direct investment, plus or minus any amount the Fund is obligated to pay or is to receive under the swap agreement. The swap market has grown substantially in recent years with a large number of banks and investment banking firms acting both as principals and as agents utilizing standardized swap documentation. As a result, the swap market has become relatively liquid.

Credit Default Swap Agreements and Similar Instruments. Certain Funds may enter into credit default swap agreements and similar agreements, and may also buy credit-linked securities. The credit default swap agreement or similar instrument may have as reference obligations one or more securities that are not currently held by a Fund. The protection “buyer” in a credit default contract may be obligated to pay the protection “seller” an up-front payment or a periodic stream of payments over the term of the contract, provided generally that no credit event on a reference obligation has occurred. If a credit event occurs, the seller generally must pay the buyer the “par value” (full notional value) of the swap in exchange for an equal face amount of deliverable obligations of the reference entity described in the swap, or the seller may be required to deliver the related net cash amount, if the swap is cash settled. A Fund may be either the buyer or seller in the transaction. If a Fund is a buyer and no credit event occurs, the Fund recovers nothing if the swap is held through its termination date. However, if a credit event occurs, the Fund may elect to receive the full notional value of the swap in exchange for an equal face amount of deliverable obligations of the reference entity that may have little or no value. As a seller, a Fund generally receives an up-front payment or a fixed rate of income throughout the term of the swap, which typically is between six months and three years, provided that there is no credit event. If a credit event occurs, generally the seller must pay the buyer the full notional value of the swap in exchange for an equal face amount of deliverable obligations of the reference entity that may have little or no value.

Credit default swaps and similar instruments involve greater risks than if a Fund had invested in the reference obligation directly, since, in addition to general market risks, they are subject to illiquidity risk, counterparty risk and credit risk. A Fund will enter

into credit default swap agreements and similar instruments only with counterparties who are rated investment grade quality by at least one nationally recognized statistical rating organization at the time of entering into such transaction or whose creditworthiness is believed by the Manager to be equivalent to such rating. A buyer also will lose its investment and recover nothing should no credit event occur and the swap is held to its termination date. If a credit event were to occur, the value of any deliverable obligation received by the seller, coupled with the up front or periodic payments previously received, may be less than the full notional value it pays to the buyer, resulting in a loss of value to the Fund. When a Fund acts as a seller of a credit default swap or a similar instrument, it is exposed to many of the same risks of leverage since, if a credit event occurs, the seller may be required to pay the buyer the full notional value of the contract net of any amounts owed by the buyer related to its delivery of deliverable obligations.

Contracts for Difference. Certain Funds may enter into contracts for difference. Contracts for difference are subject to liquidity risk because the liquidity of contracts for difference is based on the liquidity of the underlying instrument, and are subject to counterparty risk, *i.e.*, the risk that the counterparty to the contracts for difference transaction may be unable or unwilling to make payments or to otherwise honor its financial obligations under the terms of the contract. To the extent that there is an imperfect correlation between the return on a Fund's obligation to its counterparty under the contract for difference and the return on related assets in its portfolio, the contracts for difference transaction may increase the Fund's financial risk. Contracts for difference, like many other derivative instruments, involve the risk that, if the derivative security declines in value, additional margin would be required to maintain the margin level. The seller may require a Fund to deposit additional sums to cover this, and this may be at short notice. If additional margin is not provided in time, the seller may liquidate the positions at a loss for which the Fund is liable. Contracts for difference are not registered with the SEC or any U.S. regulator, and are not subject to U.S. regulation.

Credit Linked Securities. Among the income producing securities in which a Fund may invest are credit linked securities, which are issued by a limited purpose trust or other vehicle that, in turn, invests in a derivative instrument or basket of derivative instruments, such as credit default swaps, interest rate swaps and other securities, in order to provide exposure to certain fixed-income markets. For instance, a Fund may invest in credit linked securities as a cash management tool in order to gain exposure to a certain market and/or to remain fully invested when more traditional income producing securities are not available.

Like an investment in a bond, investments in these credit linked securities represent the right to receive periodic income payments (in the form of distributions) and payment of principal at the end of the term of the security. However, these payments are conditioned on the issuer's receipt of payments from, and the issuer's potential obligations to, the counterparties to the derivative instruments and other securities in which the issuer invests. For instance, the issuer may sell one or more credit default swaps, under which the issuer would receive a stream of payments over the term of the swap agreements provided that no event of default has occurred with respect to the referenced debt obligation upon which the swap is based. If a default occurs, the stream of payments may stop and the issuer would be obligated to pay the counterparty the par (or other agreed upon value) of the referenced debt obligation. This, in turn, would reduce the amount of income and principal that a Fund would receive. A Fund's investments in these instruments are indirectly subject to the risks associated with derivative instruments, including, among others, credit risk, default or similar event risk, counterparty risk, interest rate risk, leverage risk and management risk. It is also expected that the securities will be exempt from registration under the Securities Act. Accordingly, there may be no established trading market for the securities and they may constitute illiquid investments.

Interest Rate Transactions and Swaptions. Certain Funds, to the extent permitted under applicable law, may enter into forms of swap agreements including interest rate caps, under which, in return for a premium, one party agrees to make payments to the other to the extent that interest rates exceed a specified rate, or "cap"; and interest rate floors, under which, in return for a premium, one party agrees to make payments to the other to the extent that interest rates fall below a specified rate, or "floor". Caps and floors are less liquid than swaps. A swaption is a contract that gives a counterparty the right (but not the obligation) to enter into a new swap agreement or to shorten, extend, cancel or otherwise modify an existing swap agreement, at some designated future time on specified terms. A Fund may write (sell) and purchase put and call swaptions. Certain Funds may also enter into swaptions on either an asset-based or liability-based basis, depending on whether a Fund is hedging its assets or its liabilities. A Fund may enter into these transactions primarily to preserve a return or spread on a particular investment or portion of their holdings, as a duration management technique or to protect against an increase in the price of securities a Fund anticipates purchasing at a later date. They may also be used for speculation to increase returns.

A Fund will usually enter into interest rate swaps on a net basis, *i.e.*, the two payment streams are netted out, with the Fund receiving or paying, as the case may be, only the net amount of the two payments.

Depending on the terms of the particular option agreement, a Fund will generally incur a greater degree of risk when it writes a swaption than it will incur when it purchases a swaption. When a Fund purchases a swaption, it risks losing only the amount of the premium it has paid should it decide to let the option expire unexercised. However, when a Fund writes a swaption, upon exercise of the option the Fund will become obligated according to the terms of the underlying agreement.

A Fund will accrue the net amount of the excess, if any, of its obligations over its entitlements with respect to each interest rate or currency swap or swaption on a daily basis and its Manager or sub-adviser will designate liquid assets on its books and records in an amount having an aggregate net asset value at least equal to the accrued excess to the extent required by SEC guidelines. If the other party to an interest rate swap defaults, a Fund's risk of loss consists of the net amount of interest payments that the Fund is contractually entitled to receive.

Total Return Swap Agreements. Total return swap agreements are contracts in which one party agrees to make periodic payments to another party based on the change in market value of the assets underlying the contract, which may include a specified security, basket of securities or securities indices during the specified period, in return for periodic payments based on a fixed or variable interest rate or the total return from other underlying assets. Total return swap agreements may be used to obtain exposure to a security or market without owning or taking physical custody of such security or investing directly in such market. Total return swap agreements may effectively add leverage to the Fund's portfolio because, in addition to its total net assets, the Fund would be subject to investment exposure on the notional amount of the swap.

Total return swap agreements are subject to the risk that a counterparty will default on its payment obligations to the Fund thereunder. Swap agreements also bear the risk that the Fund will not be able to meet its obligation to the counterparty. Generally, the Fund will enter into total return swaps on a net basis (*i.e.*, the two payment streams are netted against one another with the Fund receiving or paying, as the case may be, only the net amount of the two payments). The net amount of the excess, if any, of the Fund's obligations over its entitlements with respect to each total return swap will be accrued on a daily basis, and an amount of liquid assets having an aggregate net asset value at least equal to the accrued excess will be segregated by the Fund. If the total return swap transaction is entered into on other than a net basis, the full amount of the Fund's obligations will be accrued on a daily basis, and the full amount of the Fund's obligations will be segregated by the Fund in an amount equal to or greater than the market value of the liabilities under the total return swap agreement or the amount it would have cost the Fund initially to make an equivalent direct investment, plus or minus any amount the Fund is obligated to pay or is to receive under the total return swap agreement.

Types of Options

Options on Securities and Securities Indices. A Fund may engage in transactions in options on individual securities, baskets of securities or securities indices, or particular measurements of value or rates (an "index"), such as an index of the price of treasury securities or an index representative of short-term interest rates. Such investments may be made on exchanges and in the OTC markets. In general, exchange-traded options have standardized exercise prices and expiration dates and require the parties to post margin against their obligations, and the performance of the parties' obligations in connection with such options is guaranteed by the exchange or a related clearing corporation. OTC options have more flexible terms negotiated between the buyer and the seller, but generally do not require the parties to post margin and are subject to greater credit risk. OTC options also involve greater liquidity risk. See "Additional Risk Factors of OTC Transactions; Limitations on the Use of OTC Derivatives" below.

Call Options. A Fund may purchase call options on any of the types of securities or instruments in which it may invest. A purchased call option gives a Fund the right to buy, and obligates the seller to sell, the underlying security at the exercise price at any time during the option period. A Fund also may purchase and sell call options on indices. Index options are similar to options on securities except that, rather than taking or making delivery of securities underlying the option at a specified price upon exercise, an index option gives the holder the right to receive cash upon exercise of the option if the level of the index upon which the option is based is greater than the exercise price of the option.

A Fund also is authorized to write (*i.e.*, sell) covered call options on the securities or instruments in which it may invest and to enter into closing purchase transactions with respect to certain of such options. A covered call option is an option in which a Fund, in return for a premium, gives another party a right to buy specified securities owned by the Fund at a specified future date and price set at the time of the contract. The principal reason for writing call options is the attempt to realize, through the receipt of premiums, a greater return than would be realized on the securities alone. By writing covered call options, a Fund gives up the opportunity, while the option is in effect, to profit from any price increase in the underlying security above the option exercise price. In addition, a Fund's ability to sell the underlying security will be limited while the option is in effect unless the Fund enters into a closing purchase transaction. A closing purchase transaction cancels out a Fund's position as the writer of an option by

means of an offsetting purchase of an identical option prior to the expiration of the option it has written. Covered call options also serve as a partial hedge to the extent of the premium received against the price of the underlying security declining.

A call option is considered to be covered if a Fund holds a call on the same security or index as the call written where the exercise price of the call held is (i) equal to or less than the exercise price of the call written, or (ii) greater than the exercise price of the call written provided the difference is maintained by the Fund in liquid assets designated on the Manager's or sub-adviser's books and records to the extent required by SEC guidelines.

A Fund also is authorized to write (*i.e.*, sell) uncovered call options on securities or instruments in which it may invest but that are not currently held by the Fund. The principal reason for writing uncovered call options is to realize income without committing capital to the ownership of the underlying securities or instruments. When writing uncovered call options, a Fund must deposit and maintain sufficient margin with the broker-dealer through which it made the uncovered call option as collateral to ensure that the securities can be purchased for delivery if and when the option is exercised. In addition, in connection with each such transaction a Fund will segregate unencumbered liquid securities or cash with a value at least equal to the Fund's exposure (the difference between the unpaid amounts owed by the Fund on such transaction minus any collateral deposited with the broker-dealer), on a marked-to-market basis (as calculated pursuant to requirements of the Commission). Such segregation will ensure that the Fund has assets available to satisfy its obligations with respect to the transaction and will avoid any potential leveraging of the Fund's portfolio. Such segregation will not limit the Fund's exposure to loss. During periods of declining securities prices or when prices are stable, writing uncovered calls can be a profitable strategy to increase a Fund's income with minimal capital risk. Uncovered calls are riskier than covered calls because there is no underlying security held by a Fund that can act as a partial hedge. Uncovered calls have speculative characteristics and the potential for loss is unlimited. When an uncovered call is exercised, a Fund must purchase the underlying security to meet its call obligation. There is also a risk, especially with less liquid preferred and debt securities, that the securities may not be available for purchase. If the purchase price exceeds the exercise price, a Fund will lose the difference.

Put Options. A Fund is authorized to purchase put options to seek to hedge against a decline in the value of its securities or to enhance its return. By buying a put option, a Fund acquires a right to sell the underlying securities or instruments at the exercise price, thus limiting the Fund's risk of loss through a decline in the market value of the securities or instruments until the put option expires. The amount of any appreciation in the value of the underlying securities or instruments will be partially offset by the amount of the premium paid for the put option and any related transaction costs. Prior to its expiration, a put option may be sold in a closing sale transaction and profit or loss from the sale will depend on whether the amount received is more or less than the premium paid for the put option plus the related transaction costs. A closing sale transaction cancels out a Fund's position as the purchaser of an option by means of an offsetting sale of an identical option prior to the expiration of the option it has purchased. A Fund also may purchase uncovered put options.

A Fund also has authority to write (*i.e.*, sell) put options on the types of securities or instruments that may be held by the Fund, provided that such put options are covered, meaning that such options are secured by segregated, liquid assets. A Fund will receive a premium for writing a put option, which increases the Fund's return. A Fund will not sell puts if, as a result, more than 50% of the Fund's assets would be required to cover its potential obligations under its hedging and other investment transactions.

A Fund is also authorized to write (*i.e.*, sell) uncovered put options on securities or instruments in which it may invest but with respect to which the Fund does not currently have a corresponding short position or has not deposited as collateral cash equal to the exercise value of the put option with the broker-dealer through which it made the uncovered put option. The principal reason for writing uncovered put options is to receive premium income and to acquire such securities or instruments at a net cost below the current market value. A Fund has the obligation to buy the securities or instruments at an agreed upon price if the price of the securities or instruments decreases below the exercise price. If the price of the securities or instruments increases during the option period, the option will expire worthless and a Fund will retain the premium and will not have to purchase the securities or instruments at the exercise price. In connection with such a transaction, a Fund will segregate unencumbered liquid assets with a value at least equal to the Fund's exposure, on a marked-to-market basis (as calculated pursuant to requirements of the Commission). Such segregation will ensure that a Fund has assets available to satisfy its obligations with respect to the transaction and will avoid any potential leveraging of the Fund's portfolio. Such segregation will not limit the Fund's exposure to loss.

Options on Government National Mortgage Association ("GNMA") Certificates. The following information relates to the unique characteristics of options on GNMA Certificates. Since the remaining principal balance of GNMA Certificates declines each month as a result of mortgage payments, a Fund, as a writer of a GNMA call holding GNMA Certificates as "cover" to satisfy its delivery obligation in the event of exercise, may find that the GNMA Certificates it holds no longer have a sufficient remaining

principal balance for this purpose. Should this occur, a Fund will purchase additional GNMA Certificates from the same pool (if obtainable) or other GNMA Certificates in the cash market in order to maintain its “cover.”

A GNMA Certificate held by a Fund to cover an option position in any but the nearest expiration month may cease to represent cover for the option in the event of a decline in the GNMA coupon rate at which new pools are originated under the FHA/VA loan ceiling in effect at any given time. If this should occur, a Fund will no longer be covered, and the Fund will either enter into a closing purchase transaction or replace such Certificate with a certificate that represents cover. When a Fund closes its position or replaces such Certificate, it may realize an unanticipated loss and incur transaction costs.

Risks Associated with Options. There are several risks associated with transactions in options on securities and indexes. For example, there are significant differences between the securities and options markets that could result in an imperfect correlation between these markets, causing a given transaction not to achieve its objectives. In addition, a liquid secondary market for particular options, whether traded over-the-counter or on a national securities exchange may be absent for reasons which include the following: there may be insufficient trading interest in certain options; restrictions may be imposed by a national securities exchange on opening transactions or closing transactions or both; trading halts, suspensions or other restrictions may be imposed with respect to particular classes or series of options or underlying securities; unusual or unforeseen circumstances may interrupt normal operations on a national securities exchange; the facilities of a national securities exchange or the Options Clearing Corporation may not at all times be adequate to handle current trading volume; or one or more national securities exchanges could, for economic or other reasons, decide or be compelled at some future date to discontinue the trading of options (or a particular class or series of options), in which event the secondary market on that national securities exchange (or in that class or series of options) would cease to exist, although outstanding options that had been issued by the Options Clearing Corporation as a result of trades on that national securities exchange would continue to be exercisable in accordance with their terms.

Futures. A Fund may engage in transactions in futures and options on futures. Futures are standardized, exchange-traded contracts that obligate a purchaser to take delivery, and a seller to make delivery, of a specific amount of an asset at a specified future date at a specified price. No price is paid upon entering into a futures contract. Rather, upon purchasing or selling a futures contract a Fund is required to deposit collateral (“margin”) equal to a percentage (generally less than 10%) of the contract value. Each day thereafter until the futures position is closed, the Fund will pay additional margin representing any loss experienced as a result of the futures position the prior day or be entitled to a payment representing any profit experienced as a result of the futures position the prior day. Futures involve substantial leverage risk.

The sale of a futures contract limits a Fund’s risk of loss from a decline in the market value of portfolio holdings correlated with the futures contract prior to the futures contract’s expiration date. In the event the market value of the portfolio holdings correlated with the futures contract increases rather than decreases, however, a Fund will realize a loss on the futures position and a lower return on the portfolio holdings than would have been realized without the purchase of the futures contract.

The purchase of a futures contract may protect a Fund from having to pay more for securities as a consequence of increases in the market value for such securities during a period when the Fund was attempting to identify specific securities in which to invest in a market the Fund believes to be attractive. In the event that such securities decline in value or a Fund determines not to complete an anticipatory hedge transaction relating to a futures contract, however, the Fund may realize a loss relating to the futures position.

A Fund is also authorized to purchase or sell call and put options on futures contracts including financial futures and stock indices. Generally, these strategies would be used under the same market and market sector conditions (*i.e.*, conditions relating to specific types of investments) in which the Fund entered into futures transactions. A Fund may purchase put options or write call options on futures contracts and stock indices in lieu of selling the underlying futures contract in anticipation of a decrease in the market value of its securities. Similarly, a Fund can purchase call options, or write put options on futures contracts and stock indices, as a substitute for the purchase of such futures to hedge against the increased cost resulting from an increase in the market value of securities which the Fund intends to purchase.

To maintain greater flexibility, a Fund may invest in instruments which have characteristics similar to futures contracts. These instruments may take a variety of forms, such as debt securities with interest or principal payments determined by reference to the value of a security, an index of securities or a commodity at a future point in time. The risks of such investments could reflect the risks of investing in futures and securities, including volatility and illiquidity.

Risks Associated with Futures. The primary risks associated with the use of futures contracts and options are (a) the imperfect correlation between the change in market value of the instruments held by a Fund and the price of the futures contract or option;

(b) possible lack of a liquid secondary market for a futures contract and the resulting inability to close a futures contract when desired; (c) losses caused by unanticipated market movements, which are potentially unlimited; (d) the Manager's or sub-adviser's inability to predict correctly the direction of securities prices, interest rates, currency exchange rates and other economic factors; and (e) the possibility that the counterparty will default in the performance of its obligations.

Foreign Exchange Transactions. A Fund may engage in spot and forward foreign exchange transactions and currency swaps, purchase and sell options on currencies and purchase and sell currency futures and related options thereon (collectively, "Currency Instruments") for purposes of hedging against the decline in the value of currencies in which its portfolio holdings are denominated against the U.S. dollar or, with respect to certain Funds, to seek to enhance returns. Such transactions could be effected with respect to hedges on foreign dollar denominated securities owned by a Fund, sold by a Fund but not yet delivered, or committed or anticipated to be purchased by a Fund. As an illustration, a Fund may use such techniques to hedge the stated value in U.S. dollars of an investment in a yen-denominated security. In such circumstances, for example, the Fund may purchase a foreign currency put option enabling it to sell a specified amount of yen for dollars at a specified price by a future date. To the extent the hedge is successful, a loss in the value of the yen relative to the dollar will tend to be offset by an increase in the value of the put option. To offset, in whole or in part, the cost of acquiring such a put option, the Fund may also sell a call option which, if exercised, requires it to sell a specified amount of yen for dollars at a specified price by a future date (a technique called a "straddle"). By selling such a call option in this illustration, the Fund gives up the opportunity to profit without limit from increases in the relative value of the yen to the dollar. "Straddles" of the type that may be used by a Fund are considered to constitute hedging transactions. Certain Funds have a fundamental investment restriction that restricts currency option strategies. No Fund will attempt to hedge all of its foreign portfolio positions.

Forward Foreign Exchange Transactions. Forward foreign exchange transactions are OTC contracts to purchase or sell a specified amount of a specified currency or multinational currency unit at a price and future date set at the time of the contract. Spot foreign exchange transactions are similar but require current, rather than future, settlement. A Fund will enter into foreign exchange transactions for purposes of hedging either a specific transaction or a portfolio position, or, with respect to certain Funds, to seek to enhance returns. A Fund may enter into a foreign exchange transaction for purposes of hedging a specific transaction by, for example, purchasing a currency needed to settle a security transaction or selling a currency in which the Fund has received or anticipates receiving a dividend or distribution. A Fund may enter into a foreign exchange transaction for purposes of hedging a portfolio position by selling forward a currency in which a portfolio position of the Fund is denominated or by purchasing a currency in which the Fund anticipates acquiring a portfolio position in the near future. A Fund may also hedge portfolio positions through currency swaps, which are transactions in which one currency is simultaneously bought for a second currency on a spot basis and sold for the second currency on a forward basis. A Fund may also engage in proxy hedging transactions to reduce the effect of currency fluctuations on the value of existing or anticipated holdings of portfolio securities. Proxy hedging is often used when the currency to which the Fund is exposed is difficult to hedge or to hedge against the dollar. Proxy hedging entails entering into a forward contract to sell a currency whose changes in value are generally considered to be linked to a currency or currencies in which some or all of the Fund's securities are, or are expected to be, denominated, and to buy U.S. dollars. Proxy hedging involves some of the same risks and considerations as other transactions with similar instruments. Currency transactions can result in losses to the Fund if the currency being hedged fluctuates in value to a degree or in a direction that is not anticipated. In addition, there is the risk that the perceived linkage between various currencies may not be present or may not be present during the particular time that a Fund is engaged in proxy hedging. A Fund may also cross-hedge currencies by entering into forward contracts to sell one or more currencies that are expected to decline in value relative to other currencies to which the Fund has or in which the Fund expects to have portfolio exposure. For example, a Fund may hold both Canadian government bonds and Japanese government bonds, and the Manager or sub-adviser may believe that Canadian dollars will deteriorate against Japanese yen. This strategy would be a hedge against a decline in the value of Canadian dollars, although it would expose the Fund to declines in the value of the Japanese yen relative to the US dollar. Forward foreign exchange transactions involve substantial currency risk, and also involve credit and liquidity risk. A Fund may also hedge a currency by entering into a transaction in a Currency Instrument denominated in a currency other than the currency being hedged (a "cross-hedge"). A Fund will only enter into a cross-hedge if the Manager believes that (i) there is a demonstrably high correlation between the currency in which the cross-hedge is denominated and the currency being hedged, and (ii) executing a cross-hedge through the currency in which the cross-hedge is denominated will be significantly more cost-effective or provide substantially greater liquidity than executing a similar hedging transaction by means of the currency being hedged.

Some of the forward foreign currency contracts entered into by the Funds are classified as non-deliverable forwards ("NDF"). NDFs are cash-settled, short-term forward contracts that may be thinly traded or are denominated in non-convertible foreign

currency, where the profit or loss at the time at the settlement date is calculated by taking the difference between the agreed upon exchange rate and the spot rate at the time of settlement, for an agreed upon notional amount of funds. All NDFs have a fixing date and a settlement date. The fixing date is the date at which the difference between the prevailing market exchange rate and the agreed upon exchange rate is calculated. The settlement date is the date by which the payment of the difference is due to the party receiving payment. NDFs are commonly quoted for time periods of one month up to two years, and are normally quoted and settled in U.S. dollars. They are often used to gain exposure to and/or hedge exposure to foreign currencies that are not internationally traded.

Currency Futures. A Fund may also seek to enhance returns or hedge against the decline in the value of a currency through use of currency futures or options thereon. Currency futures are similar to forward foreign exchange transactions except that futures are standardized, exchange-traded contracts while forward foreign exchange transactions are traded in the OTC market. Currency futures involve substantial currency risk, and also involve leverage risk.

Currency Options. A Fund may also seek to enhance returns or hedge against the decline in the value of a currency through the use of currency options. Certain Funds have fundamental investment restrictions that permit the purchase of currency options, but prohibit the writing of currency options. Currency options are similar to options on securities. For example, in consideration for an option premium the writer of a currency option is obligated to sell (in the case of a call option) or purchase (in the case of a put option) a specified amount of a specified currency on or before the expiration date for a specified amount of another currency. A Fund may engage in transactions in options on currencies either on exchanges or OTC markets. Where a Fund is permitted to write currency options, it may write covered call options on up to 100% of the currencies in its portfolio. See “Types of Options” above and “Additional Risk Factors of OTC Transactions; Limitations on the Use of OTC Derivatives” below. Currency options involve substantial currency risk, and may also involve credit, leverage or liquidity risk.

Currency Swaps. In order to protect against currency fluctuations, a Fund may enter into currency swaps. A Fund may also hedge portfolio positions through currency swaps, which are transactions in which one currency is simultaneously bought for a second currency on a spot basis and sold for the second currency on a forward basis. Currency swaps involve the exchange of the rights of a Fund and another party to make or receive payments in specified currencies. Currency swaps usually involve the delivery of the entire principal value of one designated currency in exchange for the other designated currency. Because currency swaps usually involve the delivery of the entire principal value of one designated currency in exchange for the other designated currency, the entire principal value of a currency swap is subject to the risk that the other party to the swap will default on its contractual delivery obligations.

Limitations on Currency Transactions. A Fund will not hedge a currency in excess of the aggregate market value of the securities that it owns (including receivables for unsettled securities sales), or has committed to purchase or anticipates purchasing, which are denominated in such currency. Open positions in forward foreign exchange transactions used for non-hedging purposes will be covered by the segregation of liquid assets and are marked to market daily. A Fund’s exposure to futures or options on currencies will be covered as described below under “Risk Factors in Derivatives.”

Risk Factors in Hedging Foreign Currency. Hedging transactions involving Currency Instruments involve substantial risks, including correlation risk. While a Fund’s use of Currency Instruments to effect hedging strategies is intended to reduce the volatility of the net asset value of the Fund’s shares, the net asset value of the Fund’s shares will fluctuate. Moreover, although Currency Instruments will be used with the intention of hedging against adverse currency movements, transactions in Currency Instruments involve the risk that anticipated currency movements will not be accurately predicted and that the Fund’s hedging strategies will be ineffective. To the extent that a Fund hedges against anticipated currency movements that do not occur, the Fund may realize losses and decrease its total return as the result of its hedging transactions. Furthermore, a Fund will only engage in hedging activities from time to time and may not be engaging in hedging activities when movements in currency exchange rates occur.

In connection with its trading in forward foreign currency contracts, a Fund will contract with a foreign or domestic bank, or foreign or domestic securities dealer, to make or take future delivery of a specified amount of a particular currency. There are no limitations on daily price moves in such forward contracts, and banks and dealers are not required to continue to make markets in such contracts. There have been periods during which certain banks or dealers have refused to quote prices for such forward contracts or have quoted prices with an unusually wide spread between the price at which the bank or dealer is prepared to buy and that at which it is prepared to sell. Governmental imposition of credit controls might limit any such forward contract trading. With respect to its trading of forward contracts, if any, a Fund will be subject to the risk of bank or dealer failure and the inability of, or refusal by, a bank or dealer to perform with respect to such contracts. Any such default would deprive the Fund of any

profit potential or force the Fund to cover its commitments for resale, if any, at the then market price and could result in a loss to the Fund.

It may not be possible for a Fund to hedge against currency exchange rate movements, even if correctly anticipated, in the event that (i) the currency exchange rate movement is so generally anticipated that the Fund is not able to enter into a hedging transaction at an effective price, or (ii) the currency exchange rate movement relates to a market with respect to which Currency Instruments are not available and it is not possible to engage in effective foreign currency hedging. The cost to a Fund of engaging in foreign currency transactions varies with such factors as the currencies involved, the length of the contract period and the market conditions then prevailing. Since transactions in foreign currency exchange usually are conducted on a principal basis, no fees or commissions are involved.

Risk Factors in Derivatives

Derivatives are volatile and involve significant risks, including:

Credit Risk — the risk that the counterparty in a derivative transaction will be unable to honor its financial obligation to a Fund, or the risk that the reference entity in a credit default swap or similar derivative will not be able to honor its financial obligations.

Currency Risk — the risk that changes in the exchange rate between two currencies will adversely affect the value (in U.S. dollar terms) of an investment.

Leverage Risk — the risk associated with certain types of investments or trading strategies (such as, for example, borrowing money to increase the amount of investments) that relatively small market movements may result in large changes in the value of an investment. Certain investments or trading strategies that involve leverage can result in losses that greatly exceed the amount originally invested.

Liquidity Risk — the risk that certain securities may be difficult or impossible to sell at the time that the seller would like or at the price that the seller believes the security is currently worth.

Correlation Risk — the risk that changes in the value of a derivative will not match the changes in the value of the portfolio holdings that are being hedged or of the particular market or security to which the Fund seeks exposure.

Index Risk — If the derivative is linked to the performance of an index, it will be subject to the risks associated with changes in that index. If the index changes, a Fund could receive lower interest payments or experience a reduction in the value of the derivative to below what that Fund paid. Certain indexed securities, including inverse securities (which move in an opposite direction to the index), may create leverage, to the extent that they increase or decrease in value at a rate that is a multiple of the changes in the applicable index.

A Fund intends to enter into transactions involving derivatives only if there appears to be a liquid secondary market for such instruments or, in the case of illiquid instruments traded in OTC transactions, such instruments satisfy the criteria set forth below under “Additional Risk Factors of OTC Transactions; Limitations on the Use of OTC Derivatives.” However, there can be no assurance that, at any specific time, either a liquid secondary market will exist for a derivative or the Fund will otherwise be able to sell such instrument at an acceptable price. It may, therefore, not be possible to close a position in a derivative without incurring substantial losses, if at all.

Certain transactions in derivatives (such as futures transactions or sales of put options) involve substantial leverage risk and may expose a Fund to potential losses that exceed the amount originally invested by the Fund. When a Fund engages in such a transaction, the Fund will segregate liquid assets with a value at least equal to the Fund’s exposure, on a mark-to-market basis, to the transaction (as calculated pursuant to requirements of the Commission).

Additional Risk Factors of OTC Transactions; Limitations on the Use of OTC Derivatives. Certain derivatives traded in OTC markets, including indexed securities, swaps and OTC options, involve substantial liquidity risk. The absence of liquidity may make it difficult or impossible for a Fund to sell such instruments promptly at an acceptable price. The absence of liquidity may also make it more difficult for a Fund to ascertain a market value for such instruments. A Fund will, therefore, acquire illiquid OTC instruments (i) if the agreement pursuant to which the instrument is purchased contains a formula price at which the instrument may be terminated or sold, or (ii) for which the Manager anticipates the Fund can receive on each business day at least two independent bids or offers, unless a quotation from only one dealer is available, in which case that dealer’s quotation may be used.

Because derivatives traded in OTC markets are not guaranteed by an exchange or clearing corporation and may not require payment of margin, to the extent that a Fund has unrealized gains in such instruments or has deposited collateral with its counterparty the Fund is at risk that its counterparty will become bankrupt or otherwise fail to honor its obligations. A Fund will attempt to minimize these risks by engaging in transactions in derivatives traded in OTC markets only with financial institutions that have substantial capital or that have provided the Fund with a third-party guaranty or other credit enhancement.

Under the Dodd-Frank Wall Street Reform and Consumer Protection Act, regulations are now in effect that require swap dealers to post and collect variation margin (comprised of specified liquid instruments and subject to a required haircut) in connection with trading of OTC swaps with a Fund. Shares of investment companies (other than certain money market funds) may not be posted as collateral under these regulations. Requirements for posting of initial margin in connection with OTC swaps will be phased-in through 2020. In addition, regulations adopted by prudential regulators that will begin to take effect in 2019 will require certain bank-regulated counterparties and certain of their affiliates to include in certain financial contracts, including many derivatives contracts, terms that delay or restrict the rights of counterparties, such as a Fund, to terminate such contracts, foreclose upon collateral, exercise other default rights or restrict transfers of credit support in the event that the counterparty and/or its affiliates are subject to certain types of resolution or insolvency proceedings. It is possible that these new requirements, as well as potential additional government regulation and other developments in the market, could adversely affect a Fund's ability to terminate existing derivatives agreements or to realize amounts to be received under such agreements.

Distressed Securities. A Fund may invest in securities, including loans purchased in the secondary market, that are the subject of bankruptcy proceedings or otherwise in default or in risk of being in default as to the repayment of principal and/or interest at the time of acquisition by the Fund or that are rated in the lower rating categories by one or more nationally recognized statistical rating organizations (for example, Ca or lower by Moody's and CC or lower by S&P or Fitch or, if unrated, are in the judgment of the Manager of equivalent quality ("Distressed Securities"). Investment in Distressed Securities is speculative and involves significant risks.

A Fund will generally make such investments only when the Manager believes it is reasonably likely that the issuer of the Distressed Securities will make an exchange offer or will be the subject of a plan of reorganization pursuant to which the Fund will receive new securities in return for the Distressed Securities. However, there can be no assurance that such an exchange offer will be made or that such a plan of reorganization will be adopted. In addition, a significant period of time may pass between the time at which a Fund makes its investment in Distressed Securities and the time that any such exchange offer or plan of reorganization is completed. During this period, it is unlikely that a Fund will receive any interest payments on the Distressed Securities, the Fund will be subject to significant uncertainty as to whether or not the exchange offer or plan of reorganization will be completed and the Fund may be required to bear certain extraordinary expenses to protect and recover its investment. Therefore, to the extent the Fund seeks capital appreciation through investment in distressed securities, the Fund's ability to achieve current income for its shareholders may be diminished. The Fund also will be subject to significant uncertainty as to when and in what manner and for what value the obligations evidenced by the distressed securities will eventually be satisfied (e.g., through a liquidation of the obligor's assets, an exchange offer or plan of reorganization involving the distressed securities or a payment of some amount in satisfaction of the obligation). Even if an exchange offer is made or plan of reorganization is adopted with respect to Distressed Securities held by a Fund, there can be no assurance that the securities or other assets received by a Fund in connection with such exchange offer or plan of reorganization will not have a lower value or income potential than may have been anticipated when the investment was made or no value. Moreover, any securities received by a Fund upon completion of an exchange offer or plan of reorganization may be restricted as to resale. Similarly, if a Fund participates in negotiations with respect to any exchange offer or plan of reorganization with respect to an issuer of Distressed Securities, the Fund may be restricted from disposing of such securities. To the extent that a Fund becomes involved in such proceedings, the Fund may have a more active participation in the affairs of the issuer than that assumed generally by an investor. The Fund, however, will not make investments for the purpose of exercising day-to-day management of any issuer's affairs.

Dollar Rolls. A dollar roll transaction involves a sale by the Fund of a mortgage-backed or other security concurrently with an agreement by the Fund to repurchase a similar security at a later date at an agreed-upon price. The securities that are repurchased will bear the same interest rate and a similar maturity as those sold, but pools of mortgages collateralizing those securities may have different prepayment histories than those sold. During the period between the sale and repurchase, a Fund will not be entitled to receive interest and principal payments on the securities sold. Proceeds of the sale will be invested in additional instruments for the Fund, and the income from these investments will generate income for the Fund. If such income does not exceed the income, capital appreciation and gain or loss that would have been realized on the securities sold as part of the dollar roll, the use of this technique will diminish the investment performance of a Fund compared with what the performance would have been without the

use of dollar rolls. At the time a Fund enters into a dollar roll transaction, the Manager or sub-adviser will designate assets on its books and records in an amount equal to the amount of the Fund's commitments and will subsequently monitor the account to ensure that its value is maintained.

Dollar rolls involve the risk that the market value of the securities subject to a Fund's forward purchase commitment may decline below, or the market value of the securities subject to a Fund's forward sale commitment may increase above, the exercise price of the forward commitment. In the event the buyer of the securities files for bankruptcy or becomes insolvent, a Fund's use of the proceeds of the current sale portion of the transaction may be restricted pending a determination by the other party, or its trustee or receiver, whether to enforce the Fund's obligation to purchase the similar securities in the forward transaction. Dollar rolls are speculative techniques that can be deemed to involve leverage. At the time a Fund sells securities and agrees to repurchase securities at a future date, the Fund will segregate liquid assets with a value equal to the repurchase price. A Fund may engage in dollar roll transactions to enhance return. Each dollar roll transaction is accounted for as a sale or purchase of a portfolio security and a subsequent purchase or sale of a substantially similar security in the forward market. Successful use of mortgage dollar rolls may depend upon the Manager's ability to correctly predict interest rates and prepayments. There is no assurance that dollar rolls can be successfully employed.

Equity Securities. Certain Funds may invest in equity securities, which include common stock and, for certain Funds, preferred stock (including convertible preferred stock); bonds, notes and debentures convertible into common or preferred stock; stock purchase warrants and rights; equity interests in trusts; general and limited partnerships and limited liability companies; and depositary receipts. For a discussion of the types of equity securities in which your Fund may invest and the risks associated with investing in such equity securities, see your Fund's Prospectus.

Exchange Traded Notes ("ETNs"). Certain Funds may invest in ETNs. ETNs are generally notes representing debt of the issuer, usually a financial institution. ETNs combine both aspects of bonds and ETFs. An ETN's returns are based on the performance of one or more underlying assets, reference rates or indexes, minus fees and expenses. Similar to ETFs, ETNs are listed on an exchange and traded in the secondary market. However, unlike an ETF, an ETN can be held until the ETN's maturity, at which time the issuer will pay a return linked to the performance of the specific asset, index or rate ("reference instrument") to which the ETN is linked minus certain fees. Unlike regular bonds, ETNs do not make periodic interest payments, and principal is not protected.

The value of an ETN may be influenced by, among other things, time to maturity, level of supply and demand for the ETN, volatility and lack of liquidity in underlying markets, changes in the applicable interest rates, the performance of the reference instrument, changes in the issuer's credit rating and economic, legal, political or geographic events that affect the reference instrument. An ETN that is tied to a reference instrument may not replicate the performance of the reference instrument. ETNs also incur certain expenses not incurred by their applicable reference instrument. Some ETNs that use leverage can, at times, be relatively illiquid and, thus, they may be difficult to purchase or sell at a fair price. Levered ETNs are subject to the same risk as other instruments that use leverage in any form. While leverage allows for greater potential return, the potential for loss is also greater. Finally, additional losses may be incurred if the investment loses value because, in addition to the money lost on the investment, the loan still needs to be repaid.

Because the return on the ETN is dependent on the issuer's ability or willingness to meet its obligations, the value of the ETN may change due to a change in the issuer's credit rating, despite no change in the underlying reference instrument. The market value of ETN shares may differ from the value of the reference instrument. This difference in price may be due to the fact that the supply and demand in the market for ETN shares at any point in time is not always identical to the supply and demand in the market for the assets underlying the reference instrument that the ETN seeks to track.

There may be restrictions on the Fund's right to redeem its investment in an ETN, which are generally meant to be held until maturity. The Fund's decision to sell its ETN holdings may be limited by the availability of a secondary market. An investor in an ETN could lose some or all of the amount invested.

Foreign Investment Risks. Certain Funds may invest in foreign securities, including securities from issuers located in emerging market countries. These securities may be denominated in U.S. dollars or in a foreign currency. Investing in foreign securities involves risks not typically associated with investing in securities of companies organized and operated in the United States that can increase the chances that a Fund will lose money.

Securities issued by certain companies organized outside the United States may not be deemed to be foreign securities (but rather deemed to be U.S. securities) if (i) the company's principal operations are conducted from the U.S., (ii) the company's equity

securities trade principally on a U.S. stock exchange, (iii) the company does a substantial amount of business in the U.S. or (iv) the issuer of securities is included in the Fund's primary U.S. benchmark index.

In addition to equity securities, foreign investments of the Funds may include: (a) debt obligations issued or guaranteed by foreign sovereign governments or their agencies, authorities, instrumentalities or political subdivisions, including a foreign state, province or municipality; (b) debt obligations of supranational organizations; (c) debt obligations of foreign banks and bank holding companies; (d) debt obligations of domestic banks and corporations issued in foreign currencies; (e) debt obligations denominated in the Euro; and (f) foreign corporate debt securities and commercial paper. Such securities may include loan participations and assignments, convertible securities and zero-coupon securities.

Dividends or interest on, or proceeds from the sale of, foreign securities may be subject to foreign withholding taxes.

Foreign Market Risk. Funds that may invest in foreign securities offer the potential for more diversification than a Fund that invests only in the United States because securities traded on foreign markets have often (though not always) performed differently from securities traded in the United States. However, such investments often involve risks not present in U.S. investments that can increase the chances that a Fund will lose money. In particular, a Fund is subject to the risk that, because there are generally fewer investors on foreign exchanges and a smaller number of shares traded each day, it may be difficult for the Fund to buy and sell securities on those exchanges. In addition, prices of foreign securities may fluctuate more than prices of securities traded in the United States. Investments in foreign markets may also be adversely affected by governmental actions such as the imposition of punitive taxes. In addition, the governments of certain countries may prohibit or impose substantial restrictions on foreign investing in their capital markets or in certain industries. Any of these actions could severely affect security prices, impair a Fund's ability to purchase or sell foreign securities or transfer the Fund's assets or income back into the United States, or otherwise adversely affect a Fund's operations. Other potential foreign market risks include exchange controls, difficulties in pricing securities, defaults on foreign government securities, difficulties in enforcing favorable legal judgments in foreign courts, and political and social conditions, such as diplomatic relations, confiscatory taxation, expropriation, limitation on the removal of funds or assets, or imposition of (or change in) exchange control regulations. Legal remedies available to investors in certain foreign countries may be less extensive than those available to investors in the United States or other foreign countries. In addition, changes in government administrations or economic or monetary policies in the U.S. or abroad could result in appreciation or depreciation of portfolio securities and could favorably or adversely affect a Fund's operations. Also, brokerage commissions and other costs of buying or selling securities often are higher in foreign countries than they are in the United States. This reduces the amount the Fund can earn on its investments.

Foreign Economy Risk. The economies of certain foreign markets often do not compare favorably with that of the United States with respect to such issues as growth of gross national product, reinvestment of capital, resources, and balance of payments position. Certain such economies may rely heavily on particular industries or foreign capital and are more vulnerable to diplomatic developments, the imposition of economic sanctions against a particular country or countries, changes in international trading patterns, trade barriers, and other protectionist or retaliatory measures.

Currency Risk and Exchange Risk. Because foreign securities generally are denominated and pay dividends or interest in foreign currencies, the value of a Fund that invests in foreign securities as measured in U.S. dollars will be affected favorably or unfavorably by changes in exchange rates. Generally, when the U.S. dollar rises in value against a foreign currency, a security denominated in that currency loses value because the currency is worth fewer U.S. dollars. Conversely, when the U.S. dollar decreases in value against a foreign currency, a security denominated in that currency gains value because the currency is worth more U.S. dollars. This risk, generally known as "currency risk," means that a stronger U.S. dollar will reduce returns for U.S. investors while a weak U.S. dollar will increase those returns.

Governmental Supervision and Regulation/Accounting Standards. Many foreign governments supervise and regulate stock exchanges, brokers and the sale of securities less than does the United States. Some countries may not have laws to protect investors comparable to the U.S. securities laws. For example, some foreign countries may have no laws or rules against insider trading. Insider trading occurs when a person buys or sells a company's securities based on nonpublic information about that company. Accounting standards in other countries are not necessarily the same as in the United States. If the accounting standards in another country do not require as much detail as U.S. accounting standards, it may be harder for Fund management to completely and accurately determine a company's financial condition. In addition, the U.S. Government has from time to time in the past imposed restrictions, through penalties and otherwise, on foreign investments by U.S. investors such as the Fund. If such restrictions should be reinstated, it might become necessary for the Fund to invest all or substantially all of its assets in U.S. securities.

Certain Risks of Holding Fund Assets Outside the United States. A Fund generally holds its foreign securities and cash in foreign banks and securities depositories. Some foreign banks and securities depositories may be recently organized or new to the foreign custody business. In addition, there may be limited or no regulatory oversight over their operations. Also, the laws of certain countries may put limits on a Fund's ability to recover its assets if a foreign bank or depository or issuer of a security or any of their agents goes bankrupt. In addition, it is often more expensive for a Fund to buy, sell and hold securities in certain foreign markets than in the United States. The increased expense of investing in foreign markets reduces the amount a Fund can earn on its investments and typically results in a higher operating expense ratio for the Fund as compared to investment companies that invest only in the United States.

Publicly Available Information. In general, less information is publicly available with respect to foreign issuers than is available with respect to U.S. companies. Most foreign companies are also not subject to the uniform accounting and financial reporting requirements applicable to issuers in the United States. While the volume of transactions effected on foreign stock exchanges has increased in recent years, it remains appreciably below that of the New York Stock Exchange. Accordingly, a Fund's foreign investments may be less liquid and their prices may be more volatile than comparable investments in securities in U.S. companies. In addition, there is generally less government supervision and regulation of securities exchanges, brokers and issuers in foreign countries than in the United States.

Settlement Risk. Settlement and clearance procedures in certain foreign markets differ significantly from those in the United States. Foreign settlement procedures and trade regulations also may involve certain risks (such as delays in payment for or delivery of securities) not typically generated by the settlement of U.S. investments. Communications between the United States and emerging market countries may be unreliable, increasing the risk of delayed settlements or losses of security certificates in markets that still rely on physical settlement. Settlements in certain foreign countries at times have not kept pace with the number of securities transactions; these problems may make it difficult for a Fund to carry out transactions. If a Fund cannot settle or is delayed in settling a purchase of securities, it may miss attractive investment opportunities and certain of its assets may be uninvested with no return earned thereon for some period. If a Fund cannot settle or is delayed in settling a sale of securities, it may lose money if the value of the security then declines or, if it has contracted to sell the security to another party, the Fund could be liable to that party for any losses incurred.

Funding Agreements. Certain Funds may invest in Guaranteed Investment Contracts and similar funding agreements. In connection with these investments, a Fund makes cash contributions to a deposit fund of an insurance company's general account. The insurance company then credits to the Fund on a monthly basis guaranteed interest, which is based on an index (such as LIBOR). The funding agreements provide that this guaranteed interest will not be less than a certain minimum rate. The purchase price paid for a funding agreement becomes part of the general assets of the insurance company, and the contract is paid from the general assets of the insurance company. Generally, funding agreements are not assignable or transferable without the permission of the issuing insurance companies, and an active secondary market in some funding agreements does not currently exist.

Guarantees. A Fund may purchase securities which contain guarantees issued by an entity separate from the issuer of the security. Generally, the guarantor of a security (often an affiliate of the issuer) will fulfill an issuer's payment obligations under a security if the issuer is unable to do so.

Illiquid or Restricted Securities. Each Fund may invest up to 15% of its net assets in securities that lack an established secondary trading market or otherwise are considered illiquid. Liquidity of a security relates to the ability to dispose easily of the security and the price to be obtained upon disposition of the security, which may be less than would be obtained for a comparable more liquid security. Illiquid securities may trade at a discount from comparable, more liquid investments. Investment of a Fund's assets in illiquid securities may restrict the ability of the Fund to dispose of its investments in a timely fashion and for a fair price as well as its ability to take advantage of market opportunities. The risks associated with illiquidity will be particularly acute where a Fund's operations require cash, such as when the Fund redeems shares or pays dividends, and could result in the Fund borrowing to meet short-term cash requirements or incurring capital losses on the sale of illiquid investments.

A Fund may invest in securities that are not registered under the Securities Act ("restricted securities"). Restricted securities may be sold in private placement transactions between issuers and their purchasers and may be neither listed on an exchange nor traded in other established markets. In many cases, privately placed securities may not be freely transferable under the laws of the applicable jurisdiction or due to contractual restrictions on resale. As a result of the absence of a public trading market, privately placed securities may be less liquid and more difficult to value than publicly traded securities. To the extent that privately placed securities may be resold in privately negotiated transactions, the prices realized from the sales, due to illiquidity, could be less than those

originally paid by the Fund or less than their fair market value. In addition, issuers whose securities are not publicly traded may not be subject to the disclosure and other investor protection requirements that may be applicable if their securities were publicly traded. If any privately placed securities held by a Fund are required to be registered under the securities laws of one or more jurisdictions before being resold, the Fund may be required to bear the expenses of registration. Certain of the Fund's investments in private placements may consist of direct investments and may include investments in smaller, less seasoned issuers, which may involve greater risks. These issuers may have limited product lines, markets or financial resources, or they may be dependent on a limited management group. In making investments in such securities, a Fund may obtain access to material nonpublic information, which may restrict the Fund's ability to conduct portfolio transactions in such securities.

Some of these securities are new and complex, and trade only among institutions; the markets for these securities are still developing, and may not function as efficiently as established markets. Owning a large percentage of restricted or illiquid securities could hamper the Fund's ability to raise cash to meet redemptions. Also, because there may not be an established market price for these securities, the Fund may have to estimate their value, which means that their valuation (and, to a much smaller extent, the valuation of the Fund) may have a subjective element. Transactions in restricted or illiquid securities may entail registration expense and other transaction costs that are higher than those for transactions in unrestricted or liquid securities. Where registration is required for restricted or illiquid securities a considerable time period may elapse between the time the Fund decides to sell the security and the time it is actually permitted to sell the security under an effective registration statement. If during such period, adverse market conditions were to develop, the Fund might obtain less favorable pricing terms than when it decided to sell the security.

Inflation-Indexed Bonds. Certain Funds may invest in inflation-indexed bonds, which are fixed-income securities or other instruments whose principal value is periodically adjusted according to the rate of inflation. Two structures are common. The U.S. Treasury and some other issuers use a structure that accrues inflation into the principal value of the bond. Most other issuers pay out the Consumer Price Index ("CPI") accruals as part of a semi-annual coupon.

Inflation-indexed securities issued by the U.S. Treasury have maturities of five, ten or thirty years, although it is possible that securities with other maturities will be issued in the future. The U.S. Treasury securities pay interest on a semi-annual basis, equal to a fixed percentage of the inflation-adjusted principal amount. For example, if a Fund purchased an inflation-indexed bond with a par value of \$1,000 and a 3% real rate of return coupon (payable 1.5% semi-annually), and inflation over the first six months was 1%, the mid-year par value of the bond would be \$1,010 and the first semi-annual interest payment would be \$15.15 (\$1,010 times 1.5%). If inflation during the second half of the year resulted in the whole year's inflation equaling 3%, the end-of-year par value of the bond would be \$1,030 and the second semi-annual interest payment would be \$15.45 (\$1,030 times 1.5%).

If the periodic adjustment rate measuring inflation falls, the principal value of inflation-indexed bonds will be adjusted downward, and, consequently, the interest payable on these securities (calculated with respect to a smaller principal amount) will be reduced. Repayment of the original bond principal upon maturity (as adjusted for inflation) is guaranteed in the case of U.S. Treasury inflation-indexed bonds, even during a period of deflation. However, the current market value of the bonds is not guaranteed, and will fluctuate. Certain Funds may also invest in other inflation related bonds which may or may not provide a similar guarantee. If a guarantee of principal is not provided, the adjusted principal value of the bond repaid at maturity may be less than the original principal. In addition, if the Fund purchases inflation-indexed bonds offered by foreign issuers, the rate of inflation measured by the foreign inflation index may not be correlated to the rate of inflation in the United States.

The value of inflation-indexed bonds is expected to change in response to changes in real interest rates. Real interest rates, in turn, are tied to the relationship between nominal interest rates and the rate of inflation. Therefore, if inflation were to rise at a faster rate than nominal interest rates, real interest rates might decline, leading to an increase in value of inflation-indexed bonds. In contrast, if nominal interest rates increased at a faster rate than inflation, real interest rates might rise, leading to a decrease in value of inflation-indexed bonds. There can be no assurance, however, that the value of inflation-indexed bonds will be directly correlated to changes in interest rates.

While these securities are expected to be protected from long-term inflationary trends, short-term increases in inflation may lead to a decline in value. If interest rates rise due to reasons other than inflation (for example, due to changes in currency exchange rates), investors in these securities may not be protected to the extent that the increase is not reflected in the bond's inflation measure.

In general, the measure used to determine the periodic adjustment of U.S. inflation-indexed bonds is the Consumer Price Index for Urban Consumers ("CPI-U"), which is calculated monthly by the U.S. Bureau of Labor Statistics. The CPI-U is a measurement of changes in the cost of living, made up of components such as housing, food, transportation and energy. Inflation-indexed bonds

issued by a foreign government are generally adjusted to reflect a comparable inflation index, calculated by that government. There can be no assurance that the CPI-U or any foreign inflation index will accurately measure the real rate of inflation in the prices of goods and services. Moreover, there can be no assurance that the rate of inflation in a foreign country will be correlated to the rate of inflation in the United States.

Any increase in the principal amount of an inflation-indexed bond will be considered taxable ordinary income, even though investors do not receive their principal until maturity.

Inflation Risk. Like all mutual funds, the Funds are subject to inflation risk. Inflation risk is the risk that the present value of assets or income from investments will be less in the future as inflation decreases the value of money. As inflation increases, the present value of a Fund's assets can decline as can the value of a Fund's distributions.

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Initial Public Offering ("IPO") Risk. The volume of initial public offerings and the levels at which the newly issued stocks trade in the secondary market are affected by the performance of the stock market overall. If initial public offerings are brought to the market, availability may be limited and a Fund may not be able to buy any shares at the offering price, or if it is able to buy shares, it may not be able to buy as many shares at the offering price as it would like. In addition, the prices of securities involved in initial public offerings are often subject to greater and more unpredictable price changes than more established stocks. IPOs have the potential to produce substantial gains. There is no assurance that any Fund will have access to profitable IPOs and therefore investors should not rely on any past gains from IPOs as an indication of future performance. The investment performance of a Fund during periods when it is unable to invest significantly or at all in IPOs may be lower than during periods when it is able to do so. In addition, as a Fund increases in size, the impact of IPOs on its performance will generally decrease. Securities issued in IPOs are subject to many of the same risks as investing in companies with smaller market capitalizations. Securities issued in IPOs have no trading history, and information about the companies may be available for very limited periods.

Interfund Lending Program. Pursuant to an exemptive order granted by the SEC (the "IFL Order"), a Fund, to the extent permitted by its investment policies and restrictions and subject to meeting the conditions of the IFL Order, has the ability to lend money to, and borrow money from, another Fund pursuant to a master interfund lending agreement (the "Interfund Lending Program"). Under the Interfund Lending Program, the Funds may lend or borrow money for temporary purposes directly to or from other Funds (an "Interfund Loan"). All Interfund Loans would consist only of uninvested cash reserves that the lending Fund otherwise would invest in short-term repurchase agreements or other short-term instruments. Although Funds that are money market funds may, to the extent permitted by their investment policies, participate in the Interfund Lending Program as borrowers or lenders, they typically will not need to participate as borrowers because they are required to comply with the liquidity provisions of Rule 2a-7 under the Investment Company Act.

If a Fund has outstanding bank borrowings, any Interfund Loans to the Fund would: (a) be at an interest rate equal to or lower than that of any outstanding bank loan, (b) be secured at least on an equal priority basis with at least an equivalent percentage of collateral to loan value as any outstanding bank loan that requires collateral, (c) have a maturity no longer than any outstanding bank loan (and in any event not over seven days), and (d) provide that, if an event of default occurs under any agreement evidencing an outstanding bank loan to the Fund, that event of default will automatically (without need for action or notice by the lending Fund) constitute an immediate event of default under the interfund lending agreement, entitling the lending Fund to call the Interfund Loan immediately (and exercise all rights with respect to any collateral), and cause such call to be made if the lending bank exercises its right to call its loan under its agreement with the borrowing Fund.

A Fund may borrow on an unsecured basis through the Interfund Lending Program only if its outstanding borrowings from all sources immediately after the borrowing total 10% or less of its total assets, provided that if the Fund has a secured loan outstanding from any other lender, including but not limited to another Fund, the Fund's borrowing will be secured on at least an equal priority basis with at least an equivalent percentage of collateral to loan value as any outstanding loan that requires collateral. If a borrowing Fund's total outstanding borrowings immediately after an Interfund Loan under the Interfund Lending Program exceed 10% of its total assets, the Fund may borrow through the Interfund Lending Program on a secured basis only. A Fund may not borrow under the Interfund Lending Program or from any other source if its total outstanding borrowings immediately after the borrowing would be more than 33 1/3% of its total assets or any lower threshold provided for by the Fund's investment restrictions.

No Fund may lend to another Fund through the Interfund Lending Program if the loan would cause the lending Fund's aggregate outstanding loans through the Interfund Lending Program to exceed 15% of its current net assets at the time of the loan. A Fund's Interfund Loans to any one Fund shall not exceed 5% of the lending Fund's net assets. The duration of Interfund Loans will be limited to the time required to receive payment for securities sold, but in no event more than seven days, and for purposes of this condition, loans effected within seven days of each other will be treated as separate loan transactions. Each Interfund Loan may be called on one business day's notice by a lending Fund and may be repaid on any day by a borrowing Fund.

The limitations described above and the other conditions of the IFL Order permitting interfund lending are designed to minimize the risks associated with interfund lending for both the lending Fund and the borrowing Fund. However, no borrowing or lending activity is without risk. When a Fund borrows money from another Fund under the Interfund Lending Program, there is a risk that the Interfund Loan could be called on one day's notice, in which case the borrowing Fund may have to seek to borrow from a bank, which would likely involve higher rates, seek an Interfund Loan from another Fund, or liquidate portfolio securities if no lending sources are available to meet its liquidity needs. Interfund Loans are subject to the risk that the borrowing Fund could be unable to repay the loan when due, and a delay in repayment could result in a lost opportunity by the lending Fund or force the lending Fund to borrow or liquidate securities to meet its liquidity needs. No Fund may borrow more than the amount permitted by its investment restrictions.

Investment Grade Debt Obligations. Certain Funds may invest in "investment grade securities," which are securities rated in the four highest rating categories of a nationally recognized statistical rating organization ("NRSRO") or deemed to be of equivalent quality by a Fund's Manager. Certain Funds may invest in debt securities rated Aaa by Moody's or AAA by S&P. It should be noted that debt obligations rated in the lowest of the top four ratings (*i.e.*, "Baa" by Moody's or "BBB" by S&P) are considered to have some speculative characteristics and are more sensitive to economic change than higher rated securities. If an investment grade security of a Fund is subsequently downgraded below investment grade, the Fund's Manager will consider such an event in determining whether the Fund should continue to hold the security. Subject to its investment strategies, there is no limit on the amount of such downgraded securities a Fund may hold, although under normal market conditions the manager does not expect to hold these securities to a material extent.

See Appendix A to this SAI for a description of applicable securities ratings.

Investment in Emerging Markets. Certain Funds may invest in the securities of issuers domiciled in various countries with emerging capital markets. Unless otherwise provided in a Fund's prospectus, a country with an emerging capital market is any country that is (i) generally recognized to be an emerging market country by the international financial community, such as the International Finance Corporation, or determined by the World Bank to have a low, middle or middle upper income economy; (ii) classified by the United Nations or its authorities to be developing; and/or (iii) included in a broad-based index that is generally representative of emerging markets. Countries with emerging markets can be found in regions such as Asia, Latin America, Eastern Europe and Africa.

Investments in the securities of issuers domiciled in countries with emerging capital markets involve certain additional risks that do not generally apply to investments in securities of issuers in more developed capital markets, such as (i) low or non-existent trading volume, resulting in a lack of liquidity and increased volatility in prices for such securities, as compared to securities of comparable issuers in more developed capital markets; (ii) uncertain national policies and social, political and economic instability, increasing the potential for expropriation of assets, confiscatory taxation, high rates of inflation or unfavorable diplomatic developments; (iii) possible fluctuations in exchange rates, differing legal systems and the existence or possible imposition of exchange controls, custodial restrictions or other foreign or U.S. governmental laws or restrictions applicable to such investments; (iv) national policies that may limit a Fund's investment opportunities such as restrictions on investment in issuers or industries deemed

sensitive to national interests; and (v) the lack or relatively early development of legal structures governing private and foreign investments and private property. In addition to withholding taxes on investment income, some countries with emerging markets may impose differential capital gains taxes on foreign investors.

Political and economic structures in emerging market countries may be undergoing significant evolution and rapid development, and these countries may lack the social, political and economic stability characteristic of more developed countries. In such a dynamic environment, there can be no assurance that any or all of these capital markets will continue to present viable investment opportunities for a Fund. In the past, governments of such nations have expropriated substantial amounts of private property, and most claims of the property owners have never been fully settled. There is no assurance that such expropriations will not reoccur. In such an event, it is possible that a Fund could lose the entire value of its investments in the affected market. As a result the risks described above, including the risks of nationalization or expropriation of assets, may be heightened. In addition, unanticipated political or social developments may affect the value of investments in these countries and the availability to a Fund of additional investments. The small size and inexperience of the securities markets in certain of these countries and the limited volume of trading in securities in these countries may make investments in the countries illiquid and more volatile than investments in Japan or most Western European countries.

Also, there may be less publicly available information about issuers in emerging markets than would be available about issuers in more developed capital markets, and such issuers may not be subject to accounting, auditing and financial reporting standards and requirements comparable to those to which U.S. companies are subject. In certain countries with emerging capital markets, reporting standards vary widely. As a result, traditional investment measurements used in the United States, such as price/earnings ratios, may not be applicable. Emerging market securities may be substantially less liquid and more volatile than those of mature markets, and company shares may be held by a limited number of persons. This may adversely affect the timing and pricing of the Fund's acquisition or disposal of securities.

Practices in relation to settlement of securities transactions in emerging markets involve higher risks than those in developed markets, in part because a Fund will need to use brokers and counterparties that are less well capitalized, and custody and registration of assets in some countries may be unreliable. The possibility of fraud, negligence, undue influence being exerted by the issuer or refusal to recognize ownership exists in some emerging markets, and, along with other factors, could result in ownership registration being completely lost. A Fund would absorb any loss resulting from such registration problems and may have no successful claim for compensation.

Investment in non-dollar denominated securities including securities from issuers located in emerging market countries may be on either a currency hedged or unhedged basis, and the Funds may hold from time to time various foreign currencies pending investment or conversion into U.S. dollars. Some of these instruments may have the characteristics of futures contracts. In addition, certain Funds may engage in foreign currency exchange transactions to seek to protect against changes in the level of future exchange rates which would adversely affect the Fund's performance. These investments and transactions involving foreign securities, currencies, options (including options that relate to foreign currencies), futures, hedging and cross-hedging are described below and under "Derivatives — Futures" and "Foreign Exchange Transactions."

Risks of Investing in Asia-Pacific Countries. In addition to the risks of foreign investing and the risks of investing in developing markets, the developing market Asia-Pacific countries in which a Fund may invest are subject to certain additional or specific risks. Certain Funds may make substantial investments in Asia-Pacific countries. In many of these markets, there is a high concentration of market capitalization and trading volume in a small number of issuers representing a limited number of industries, as well as a high concentration of investors and financial intermediaries. Many of these markets also may be affected by developments with respect to more established markets in the region such as in Japan and Hong Kong. Brokers in developing market Asia-Pacific countries typically are fewer in number and less well capitalized than brokers in the United States. These factors, combined with the U.S. regulatory requirements for open-end investment companies and the restrictions on foreign investment discussed below, result in potentially fewer investment opportunities for a Fund and may have an adverse impact on the investment performance of the Fund.

Many of the developing market Asia-Pacific countries may be subject to a greater degree of economic, political and social instability than is the case in the United States and Western European countries. Such instability may result from, among other things: (i) authoritarian governments or military involvement in political and economic decision-making, including changes in government through extra-constitutional means; (ii) popular unrest associated with demands for improved political, economic and social conditions; (iii) internal insurgencies; (iv) hostile relations with neighboring countries; and (v) ethnic, religious and racial

disaffection. In addition, the governments of many of such countries, such as Indonesia, have a substantial role in regulating and supervising the economy. Another risk common to most such countries is that the economy is heavily export oriented and, accordingly, is dependent upon international trade. The existence of overburdened infrastructure and obsolete financial systems also presents risks in certain countries, as do environmental problems. Certain economies also depend to a significant degree upon exports of primary commodities and, therefore, are vulnerable to changes in commodity prices that, in turn, may be affected by a variety of factors.

The legal systems in certain developing market Asia-Pacific countries also may have an adverse impact on the Fund. For example, while the potential liability of a shareholder in a U.S. corporation with respect to acts of the corporation is generally limited to the amount of the shareholder's investment, the notion of limited liability is less clear in certain emerging market Asia-Pacific countries. Similarly, the rights of investors in developing market Asia-Pacific companies may be more limited than those of shareholders of U.S. corporations. It may be difficult or impossible to obtain and/or enforce a judgment in a developing market Asia-Pacific country.

Governments of many developing market Asia-Pacific countries have exercised and continue to exercise substantial influence over many aspects of the private sector. In certain cases, the government owns or controls many companies, including the largest in the country. Accordingly, government actions in the future could have a significant effect on economic conditions in developing market Asia-Pacific countries, which could affect private sector companies and a Fund itself, as well as the value of securities in the Fund's portfolio. In addition, economic statistics of developing market Asia-Pacific countries may be less reliable than economic statistics of more developed nations.

In addition to the relative lack of publicly available information about developing market Asia-Pacific issuers and the possibility that such issuers may not be subject to the same accounting, auditing and financial reporting standards as U.S. companies, inflation accounting rules in some developing market Asia-Pacific countries require companies that keep accounting records in the local currency, for both tax and accounting purposes, to restate certain assets and liabilities on the company's balance sheet in order to express items in terms of currency of constant purchasing power. Inflation accounting may indirectly generate losses or profits for certain developing market Asia-Pacific companies.

Satisfactory custodial services for investment securities may not be available in some developing Asia-Pacific countries, which may result in the Fund incurring additional costs and delays in providing transportation and custody services for such securities outside such countries.

Certain developing Asia-Pacific countries, such as the Philippines, India and Turkey, are especially large debtors to commercial banks and foreign governments.

On March 11, 2011, a powerful earthquake and resulting tsunami struck northeastern Japan causing major damage along the coast, including damage to nuclear power plants in the region. This disaster, and the resulting damage, could have a severe and negative impact on a Fund's investment portfolio and, in the longer term, could impair the ability of issuers in which the Fund invests to conduct their businesses in the manner normally conducted.

Fund management may determine that, notwithstanding otherwise favorable investment criteria, it may not be practicable or appropriate to invest in a particular developing Asia-Pacific country. A Fund may invest in countries in which foreign investors, including management of the Fund, have had no or limited prior experience.

Restrictions on Foreign Investments in Asia-Pacific Countries. Some developing Asia-Pacific countries prohibit or impose substantial restrictions on investments in their capital markets, particularly their equity markets, by foreign entities such as a Fund. As illustrations, certain countries may require governmental approval prior to investments by foreign persons or limit the amount of investment by foreign persons in a particular company or limit the investment by foreign persons to only a specific class of securities of a company which may have less advantageous terms (including price and shareholder rights) than securities of the company available for purchase by nationals. There can be no assurance that a Fund will be able to obtain required governmental approvals in a timely manner. In addition, changes to restrictions on foreign ownership of securities subsequent to a Fund's purchase of such securities may have an adverse effect on the value of such shares. Certain countries may restrict investment opportunities in issuers or industries deemed important to national interests.

The manner in which foreign investors may invest in companies in certain developing Asia-Pacific countries, as well as limitations on such investments, also may have an adverse impact on the operations of a Fund. For example, a Fund may be required in certain of such countries to invest initially through a local broker or other entity and then have the shares purchased re-registered

in the name of the Fund. Re-registration may in some instances not be able to occur on a timely basis, resulting in a delay during which a Fund may be denied certain of its rights as an investor, including rights as to dividends or to be made aware of certain corporate actions. There also may be instances where a Fund places a purchase order but is subsequently informed, at the time of re-registration, that the permissible allocation of the investment to foreign investors has been filled, depriving the Fund of the ability to make its desired investment at that time.

Substantial limitations may exist in certain countries with respect to a Fund's ability to repatriate investment income, capital or the proceeds of sales of securities by foreign investors. A Fund could be adversely affected by delays in, or a refusal to grant, any required governmental approval for repatriation of capital, as well as by the application to the Fund of any restrictions on investments. It is possible that certain countries may impose currency controls or other restrictions relating to their currencies or to securities of issuers in those countries. To the extent that such restrictions have the effect of making certain investments illiquid, securities may not be available for sale to meet redemptions. Depending on a variety of financial factors, the percentage of a Fund's portfolio subject to currency controls may increase. In the event other countries impose similar controls, the portion of the Fund's assets that may be used to meet redemptions may be further decreased. Even where there is no outright restriction on repatriation of capital, the mechanics of repatriation may affect certain aspects of the operations of a Fund (for example, if funds may be withdrawn only in certain currencies and/or only at an exchange rate established by the government).

In certain countries, banks or other financial institutions may be among the leading companies or have actively traded securities available for investment. The Investment Company Act restricts a Fund's investments in any equity securities of an issuer that, in its most recent fiscal year, derived more than 15% of its revenues from "securities related activities," as defined by the rules thereunder. These provisions may restrict a Fund's investments in certain foreign banks and other financial institutions.

Political and economic structures in emerging market countries may be undergoing significant evolution and rapid development, and these countries may lack the social, political and economic stability characteristic of more developed countries. Some of these countries may have in the past failed to recognize private property rights and have at times nationalized or expropriated the assets of private companies. As a result the risks described above, including the risks of nationalization or expropriation of assets, may be heightened. In addition, unanticipated political or social developments may affect the value of investments in these countries and the availability to a Fund of additional investments in emerging market countries. The small size and inexperience of the securities markets in certain of these countries and the limited volume of trading in securities in these countries may make investments in the countries illiquid and more volatile than investments in Japan or most Western European countries. There may be little financial or accounting information available with respect to issuers located in certain emerging market countries, and it may be difficult to assess the value or prospects of an investment in such issuers.

The expense ratios of the Funds investing significantly in foreign securities can be expected to be higher than those of Funds investing primarily in domestic securities. The costs attributable to investing abroad are usually higher for several reasons, such as the higher cost of custody of foreign securities, higher commissions paid on comparable transactions on foreign markets and additional costs arising from delays in settlements of transactions involving foreign securities.

Risks of Investments in Russia. A Fund may invest a portion of its assets in securities issued by companies located in Russia. The Russian securities market suffers from a variety of problems described above in "Investment in Emerging Markets" not encountered in more developed markets. The Russian securities market is relatively new, and a substantial portion of securities transactions are privately negotiated outside of stock exchanges. The inexperience of the Russian securities market and the limited volume of trading in securities in the market may make obtaining accurate prices on portfolio securities from independent sources more difficult than in more developed markets.

Because of the recent formation of the Russian securities markets, the underdeveloped state of Russia's banking and telecommunication system and the legal and regulatory framework in Russia, settlement, clearing and registration of securities transactions are subject to additional risks. Prior to 2013, there was no central registration system for equity share registration in Russia and registration was carried out either by the issuers themselves or by registrars located throughout Russia. These registrars may not have been subject to effective state supervision or licensed with any governmental entity. In 2013, Russia established the National Settlement Depository ("NSD") as a recognized central securities depository, and title to Russian equities is now based on the records of the NSD and not on the records of the local registrars. The implementation of the NSD is generally expected to decrease the risk of loss in connection with recording and transferring title to securities; however, loss may still occur. Additionally, issuers and registrars remain prominent in the validation and approval of documentation requirements for corporate action processing in Russia, and there remain inconsistent market standards in the Russian market with respect to the completion

and submission of corporate action elections. To the extent that a Fund suffers a loss relating to title or corporate actions relating to its portfolio securities, it may be difficult for the Fund to enforce its rights or otherwise remedy the loss. In addition, Russia also may attempt to assert its influence in the region through economic or even military measures, as it did with Georgia in the summer of 2008 and the Ukraine in 2014. Such measures may have an adverse effect on the Russian economy, which may, in turn, negatively impact the Fund.

The United States and the Monetary Union of the European Union, along with the regulatory bodies of a number of countries including Japan, Australia, Norway, Switzerland and Canada (collectively, the “Sanctioning Bodies”), have imposed economic sanctions, which can consist of prohibiting certain securities trades, certain private transactions in the energy sector, asset freezes and prohibition of all business, against certain Russian individuals and Russian corporate entities. The Sanctioning Bodies could also institute broader sanctions on Russia. These sanctions, or even the threat of further sanctions, may result in the decline of the value and liquidity of Russian securities, a weakening of the ruble or other adverse consequences to the Russian economy. These sanctions could also result in the immediate freeze of Russian securities and/or funds invested in prohibited assets, impairing the ability of a Fund to buy, sell, receive or deliver those securities and/or assets. Sanctions could also result in Russia taking counter measures or retaliatory actions which may further impair the value and liquidity of Russian securities.

Brady Bonds. Certain Funds may invest in Brady Bonds. A Fund’s emerging market debt securities may include emerging market governmental debt obligations commonly referred to as Brady Bonds. Brady Bonds are securities created through the exchange of existing commercial bank loans to sovereign entities for new obligations in connection with debt restructurings under a debt restructuring plan introduced by former U.S. Secretary of the Treasury, Nicholas F. Brady (the “Brady Plan”). Brady Plan debt restructurings have been implemented in a number of countries, including: Argentina, Bolivia, Brazil, Bulgaria, Costa Rica, the Dominican Republic, Ecuador, Jordan, Mexico, Niger, Nigeria, Panama, Peru, the Philippines, Poland, Uruguay and Venezuela.

Brady Bonds may be collateralized or uncollateralized, are issued in various currencies (primarily the U.S. dollar) and are actively traded in the OTC secondary market. Brady Bonds are not considered to be U.S. Government securities. U.S. dollar-denominated, collateralized Brady Bonds, which may be fixed rate par bonds or floating rate discount bonds, are generally collateralized in full as to principal by U.S. Treasury zero-coupon bonds having the same maturity as the Brady Bonds. Interest payments on these Brady Bonds generally are collateralized on a one-year or longer rolling-forward basis by cash or securities in an amount that, in the case of fixed rate bonds, is equal to at least one year of interest payments or, in the case of floating rate bonds, initially is equal to at least one year’s interest payments based on the applicable interest rate at that time and is adjusted at regular intervals thereafter. Certain Brady Bonds are entitled to “value recovery payments” in certain circumstances, which in effect constitute supplemental interest payments but generally are not collateralized. For example, some Mexican and Venezuelan Brady Bonds include attached value recovery options, which increase interest payments if oil revenues rise. Brady Bonds are often viewed as having three or four valuation components: (i) the collateralized repayment of principal at final maturity; (ii) the collateralized interest payments; (iii) the uncollateralized interest payments; and (iv) any uncollateralized repayment of principal at maturity (the uncollateralized amounts constitute the “residual risk”).

Most Mexican Brady Bonds issued to date have principal repayments at final maturity fully collateralized by U.S. Treasury zero-coupon bonds (or comparable collateral denominated in other currencies) and interest coupon payments collateralized on an 18-month rolling-forward basis by funds held in escrow by an agent for the bondholders. A significant portion of the Venezuelan Brady Bonds and the Argentine Brady Bonds issued to date have repayments at final maturity collateralized by U.S. Treasury zero-coupon bonds (or comparable collateral denominated in other currencies) and/or interest coupon payments collateralized on a 14-month (for Venezuela) or 12-month (for Argentina) rolling-forward basis by securities held by the Federal Reserve Bank of New York as collateral agent.

Brady Bonds involve various risk factors described above associated with investing in foreign securities, including the history of defaults with respect to commercial bank loans by public and private entities of countries issuing Brady Bonds. In light of the residual risk of Brady Bonds and, among other factors, the history of defaults, investments in Brady Bonds are considered speculative. There can be no assurance that Brady Bonds in which the Funds may invest will not be subject to restructuring arrangements or to requests for new credit, which may cause the Funds to suffer a loss of interest or principal on any of its holdings.

Investment in Other Investment Companies. Each Fund may, subject to applicable law, invest in other investment companies (including investment companies managed by BlackRock and its affiliates), including money market funds and exchange traded funds (“ETFs”), which are typically open-end funds or unit investment trusts listed on a stock exchange. In accordance with the

Investment Company Act, a Fund may invest up to 10% of its total assets in securities of other investment companies (measured at the time of such investment). In addition, under the Investment Company Act a Fund may not acquire securities of an investment company if such acquisition would cause the Fund to own more than 3% of the total outstanding voting stock of such investment company and a Fund may not invest in another investment company if such investment would cause more than 5% of the value of the Fund's total assets to be invested in securities of such investment company. (These limits do not restrict a Feeder Fund from investing all of its assets in shares of its Master Portfolio.) In addition to the restrictions on investing in other investment companies discussed above, a Fund may not invest in a registered closed-end investment company if such investment would cause the Fund and other BlackRock-advised investment companies to own more than 10% of the total outstanding voting stock of such closed-end investment company. Pursuant to the Investment Company Act (or alternatively, pursuant to exemptive orders received from the Commission) these percentage limitations do not apply to investments in affiliated money market funds, and under certain circumstances, do not apply to investments in affiliated investment companies, including ETFs. In addition, many third-party ETFs have obtained exemptive relief from the Commission to permit unaffiliated funds (such as the Funds) to invest in their shares beyond the statutory limits, subject to certain conditions and pursuant to contractual arrangements between the ETFs and the investing funds. A Fund may rely on these exemptive orders in investing in ETFs. Further, under certain circumstances a Fund may be able to rely on certain provisions of the Investment Company Act to invest in shares of unaffiliated investment companies beyond the statutory limits noted above, but subject to certain other statutory restrictions.

As with other investments, investments in other investment companies are subject to market and selection risk.

Shares of investment companies, such as closed-end fund investment companies, that trade on an exchange may at times be acquired at market prices representing premiums to their net asset values. In addition, investment companies held by a Fund that trade on an exchange could trade at a discount from net asset value, and such discount could increase while the Fund holds the shares. If the market price of shares of an exchange-traded investment company decreases below the price that the Fund paid for the shares and the Fund were to sell its shares of such investment company at a time when the market price is lower than the price at which it purchased the shares, the Fund would experience a loss.

In addition, if a Fund acquires shares in investment companies, including affiliated investment companies, shareholders would bear both their proportionate share of expenses in the Fund and, indirectly, the expenses of such investment companies. Such expenses, both at the Fund level and acquired investment company level, would include management and advisory fees, unless such fees have been waived by BlackRock. Please see the relevant Fund's Prospectus to determine whether any such management and advisory fees have been waived by BlackRock. Investments by a Fund in wholly owned investment entities created under the laws of certain countries will not be deemed an investment in other investment companies. Pursuant to guidance issued by the staff of the Commission, fees and expenses of money market funds used for the investment of cash collateral received in connection with loans of Fund securities are not treated as "acquired fund fees and expenses," which are fees and expenses charged by other investment companies and pooled investment vehicles in which a Fund invests a portion of its assets.

To the extent shares of a Fund are held by an affiliated fund, the ability of the Fund itself to purchase other affiliated investment companies may be limited. In addition, a fund-of-funds (*e.g.*, an investment company that seeks to meet its investment objective by investing significantly in other investment companies) may be limited in its ability to purchase affiliated underlying funds if such affiliated underlying funds themselves own shares of affiliated funds.

A number of publicly traded closed-end investment companies have been organized to facilitate indirect foreign investment in developing countries, and certain of such countries, such as Thailand, South Korea, Chile and Brazil, have specifically authorized such funds. There also are investment opportunities in certain of such countries in pooled vehicles that resemble open-end investment companies. The restrictions on investments in securities of investment companies set forth above may limit opportunities for a Fund to invest indirectly in certain developing countries.

Junk Bonds. Non-investment grade or "high yield" fixed-income or convertible securities commonly known to investors as "junk bonds" are debt securities that are rated below investment grade by the major rating agencies or are securities that Fund management believes are of comparable quality. While generally providing greater income and opportunity for gain, non-investment grade debt securities may be subject to greater risks than securities which have higher credit ratings, including a high risk of default, and their yields will fluctuate over time. High yield securities will generally be in the lower rating categories of recognized rating agencies (rated "Ba" or lower by Moody's or "BB" or lower by S&P) or will be non-rated. The credit rating of a high yield security does not necessarily address its market value risk, and ratings may from time to time change, positively or negatively, to reflect developments regarding the issuer's financial condition. High yield securities are considered to be speculative

with respect to the capacity of the issuer to timely repay principal and pay interest or dividends in accordance with the terms of the obligation and may have more credit risk than higher rated securities.

The major risks in junk bond investments include the following:

- Junk bonds may be issued by less creditworthy companies. These securities are vulnerable to adverse changes in the issuer's industry and to general economic conditions. Issuers of junk bonds may be unable to meet their interest or principal payment obligations because of an economic downturn, specific issuer developments or the unavailability of additional financing.
- The issuers of junk bonds may have a larger amount of outstanding debt relative to their assets than issuers of investment grade bonds. If the issuer experiences financial stress, it may be unable to meet its debt obligations. The issuer's ability to pay its debt obligations also may be lessened by specific issuer developments, or the unavailability of additional financing. Issuers of high yield securities are often in the growth stage of their development and/or involved in a reorganization or takeover.
- Junk bonds are frequently ranked junior to claims by other creditors. If the issuer cannot meet its obligations, the senior obligations are generally paid off before the junior obligations, which will potentially limit a Fund's ability to fully recover principal or to receive interest payments when senior securities are in default. Thus, investors in high yield securities have a lower degree of protection with respect to principal and interest payments than do investors in higher rated securities.
- Junk bonds frequently have redemption features that permit an issuer to repurchase the security from a Fund before it matures. If an issuer redeems the junk bonds, a Fund may have to invest the proceeds in bonds with lower yields and may lose income.
- Prices of junk bonds are subject to extreme price fluctuations. Negative economic developments may have a greater impact on the prices of junk bonds than on those of other higher rated fixed-income securities.
- Junk bonds may be less liquid than higher rated fixed-income securities even under normal economic conditions. Under certain economic and/or market conditions, a Fund may have difficulty disposing of certain high yield securities due to the limited number of investors in that sector of the market. There are fewer dealers in the junk bond market, and there may be significant differences in the prices quoted for junk bonds by the dealers, and such quotations may not be the actual prices available for a purchase or sale. Because junk bonds are less liquid, judgment may play a greater role in valuing certain of a Fund's portfolio securities than in the case of securities trading in a more liquid market.
- The secondary markets for high yield securities are not as liquid as the secondary markets for higher rated securities. The secondary markets for high yield securities are concentrated in relatively few market makers and participants in the markets are mostly institutional investors, including insurance companies, banks, other financial institutions and mutual funds. In addition, the trading volume for high yield securities is generally lower than that for higher rated securities and the secondary markets could contract under adverse market or economic conditions independent of any specific adverse changes in the condition of a particular issuer. Under certain economic and/or market conditions, a Fund may have difficulty disposing of certain high yield securities due to the limited number of investors in that sector of the market. An illiquid secondary market may adversely affect the market price of the high yield security, which may result in increased difficulty selling the particular issue and obtaining accurate market quotations on the issue when valuing a Fund's assets. Market quotations on high yield securities are available only from a limited number of dealers, and such quotations may not be the actual prices available for a purchase or sale. When the secondary market for high yield securities becomes more illiquid, or in the absence of readily available market quotations for such securities, the relative lack of reliable objective data makes it more difficult to value a Fund's securities, and judgment plays a more important role in determining such valuations.
- A Fund may incur expenses to the extent necessary to seek recovery upon default or to negotiate new terms with a defaulting issuer.
- The junk bond markets may react strongly to adverse news about an issuer or the economy, or to the perception or expectation of adverse news, whether or not it is based on fundamental analysis. Additionally, prices for high yield

securities may be affected by legislative and regulatory developments. These developments could adversely affect a Fund's net asset value and investment practices, the secondary market for high yield securities, the financial condition of issuers of these securities and the value and liquidity of outstanding high yield securities, especially in a thinly traded market. For example, federal legislation requiring the divestiture by federally insured savings and loan associations of their investments in high yield bonds and limiting the deductibility of interest by certain corporate issuers of high yield bonds adversely affected the market in the past.

- The rating assigned by a rating agency evaluates the issuing agency's assessment of the safety of a non-investment grade security's principal and interest payments, but does not address market value risk. Because such ratings of the ratings agencies may not always reflect current conditions and events, in addition to using recognized rating agencies and other sources, the sub-adviser performs its own analysis of the issuers whose non-investment grade securities a Fund holds. Because of this, the Fund's performance may depend more on the sub-adviser's own credit analysis than in the case of mutual funds investing in higher-rated securities.

In selecting non-investment grade securities, the adviser or sub-adviser considers factors such as those relating to the creditworthiness of issuers, the ratings and performance of the securities, the protections afforded the securities and the diversity of the Fund. The sub-adviser continuously monitors the issuers of non-investment grade securities held by the Fund for their ability to make required principal and interest payments, as well as in an effort to control the liquidity of the Fund so that it can meet redemption requests. If a security's rating is reduced below the minimum credit rating that is permitted for a Fund, the Fund's sub-adviser will consider whether the Fund should continue to hold the security.

In the event that a Fund investing in high yield securities experiences an unexpected level of net redemptions, the Fund could be forced to sell its holdings without regard to the investment merits, thereby decreasing the assets upon which the Fund's rate of return is based.

The costs attributable to investing in the junk bond markets are usually higher for several reasons, such as higher investment research costs and higher commission costs.

Lease Obligations. A Fund may hold participation certificates in a lease, an installment purchase contract, or a conditional sales contract ("lease obligations").

The Manager will monitor the credit standing of each borrower and each entity providing credit support and/or a put option relating to lease obligations. In determining whether a lease obligation is liquid, the Manager will consider, among other factors, the following: (i) whether the lease can be cancelled; (ii) the degree of assurance that assets represented by the lease could be sold; (iii) the strength of the lessee's general credit (*e.g.*, its debt, administrative, economic and financial characteristics); (iv) in the case of a municipal lease, the likelihood that the municipality would discontinue appropriating funding for the leased property because the property is no longer deemed essential to the operations of the municipality (*e.g.*, the potential for an "event of nonappropriation"); (v) legal recourse in the event of failure to appropriate; (vi) whether the security is backed by a credit enhancement such as insurance; and (vii) any limitations which are imposed on the lease obligor's ability to utilize substitute property or services other than those covered by the lease obligation.

Municipal leases, like other municipal debt obligations, are subject to the risk of non-payment. The ability of issuers of municipal leases to make timely lease payments may be adversely impacted in general economic downturns and as relative governmental cost burdens are allocated and reallocated among Federal, state and local governmental units. Such non-payment would result in a reduction of income to a Fund, and could result in a reduction in the value of the municipal lease experiencing non-payment and a potential decrease in the net asset value of a Fund. Issuers of municipal securities might seek protection under the bankruptcy laws. In the event of bankruptcy of such an issuer, a Fund could experience delays and limitations with respect to the collection of principal and interest on such municipal leases and a Fund may not, in all circumstances, be able to collect all principal and interest to which it is entitled. To enforce its rights in the event of a default in lease payments, a Fund might take possession of and manage the assets securing the issuer's obligations on such securities, which may increase the Fund's operating expenses and adversely affect the net asset value of the Fund. When the lease contains a non-appropriation clause, however, the failure to pay would not be a default and a Fund would not have the right to take possession of the assets. Any income derived from a Fund's ownership or operation of such assets may not be tax-exempt. In addition, a Fund's intention to qualify as a "regulated investment company" under the Internal Revenue Code of 1986, as amended (the "Code"), may limit the extent to which a Fund may exercise its rights by taking possession of such assets, because as a regulated investment company a Fund is subject to certain limitations on its investments and on the nature of its income.

Liquidity Management. As a temporary defensive measure, if its Manager determines that market conditions warrant, certain Funds may invest without limitation in high quality money market instruments. Certain Funds may also invest in high quality money market instruments pending investment or to meet anticipated redemption requests. High quality money market instruments include U.S. government obligations, U.S. government agency obligations, dollar denominated obligations of foreign issuers, bank obligations, including U.S. subsidiaries and branches of foreign banks, corporate obligations, commercial paper, repurchase agreements and obligations of supranational organizations. Generally, such obligations will mature within one year from the date of settlement, but may mature within two years from the date of settlement.

Liquidity Risk Management Rule. In October 2016, the SEC adopted a new liquidity risk management rule requiring open-end funds, such as the Funds, to establish a liquidity risk management program and enhance disclosures regarding fund liquidity. The Funds will be required to comply with the classification and classification-related elements of the rule by June 1, 2019 and the other requirements of the rule by December 1, 2018. The effect the new rule will have on the Funds is not yet known, but the rule may impact a Fund's performance and ability to achieve its investment objective.

Master Limited Partnerships. Certain Funds may invest in publicly traded master limited partnerships ("MLPs") which are limited partnerships or limited liability companies taxable as partnerships. MLPs may derive income and gains from the exploration, development, mining or production, processing, refining, transportation (including pipelines transporting gas, oil, or products thereof), or the marketing of any mineral or natural resources. MLPs generally have two classes of owners, the general partner and limited partners. When investing in an MLP, a Fund intends to purchase publicly traded common units issued to limited partners of the MLP. The general partner is typically owned by a major energy company, an investment fund, the direct management of the MLP or is an entity owned by one or more of such parties. The general partner may be structured as a private or publicly traded corporation or other entity. The general partner typically controls the operations and management of the MLP through an up to 2% equity interest in the MLP plus, in many cases, ownership of common units and subordinated units. Limited partners own the remainder of the partnership, through ownership of common units, and have a limited role in the partnership's operations and management.

MLPs are typically structured such that common units and general partner interests have first priority to receive quarterly cash distributions up to an established minimum amount ("minimum quarterly distributions" or "MQD"). Common and general partner interests also accrue arrearages in distributions to the extent the MQD is not paid. Once common and general partner interests have been paid, subordinated units receive distributions of up to the MQD; however, subordinated units do not accrue arrearages. Distributable cash in excess of the MQD paid to both common and subordinated units is distributed to both common and subordinated units generally on a pro rata basis. The general partner is also eligible to receive incentive distributions if the general partner operates the business in a manner which results in distributions paid per common unit surpassing specified target levels. As the general partner increases cash distributions to the limited partners, the general partner receives an increasingly higher percentage of the incremental cash distributions. A common arrangement provides that the general partner can reach a tier where it receives 50% of every incremental dollar paid to common and subordinated unit holders. These incentive distributions encourage the general partner to streamline costs, increase capital expenditures and acquire assets in order to increase the partnership's cash flow and raise the quarterly cash distribution in order to reach higher tiers. Such results benefit all security holders of the MLP.

MLP common units represent a limited partnership interest in the MLP. Common units are listed and traded on U.S. securities exchanges, with their value fluctuating predominantly based on prevailing market conditions and the success of the MLP. Certain Funds intend to purchase common units in market transactions. Unlike owners of common stock of a corporation, owners of common units have limited voting rights and have no ability to annually elect directors. In the event of liquidation, common units have preference over subordinated units, but not over debt or preferred units, to the remaining assets of the MLP.

Merger Transaction Risk. In replicating its target index, a Fund may buy stock of the target company in an announced merger transaction prior to the consummation of such transaction. In that circumstance, a Fund would expect to receive an amount (whether in cash, stock of the acquiring company or a combination of both) in excess of the purchase price paid by the Fund for the target company's stock. However, a Fund is subject to the risk that the merger transaction may be canceled, delayed or restructured, in which case a Fund's holding of the target company's stock may not result in any profit for the Fund and may lose significant value.

Mezzanine Investments. Certain Funds, consistent with restrictions on investing in securities of a specific credit quality, may invest in certain high yield securities known as mezzanine investments, which are subordinated debt securities which are generally issued

in private placements in connection with an equity security (e.g., with attached warrants). Such mezzanine investments may be issued with or without registration rights. Similar to other high yield securities, maturities of mezzanine investments are typically seven to ten years, but the expected average life is significantly shorter at three to five years. Mezzanine investments are usually unsecured and subordinate to other obligations of the issuer.

Money Market Obligations of Domestic Banks, Foreign Banks and Foreign Branches of U.S. Banks. Certain Funds may invest in a broad range of short-term, high quality, U.S. dollar-denominated instruments, such as government, bank, commercial and other obligations that are available in the money markets. Bank obligations include certificates of deposit (“CDs”), notes, bankers’ acceptances (“BAs”) and time deposits, including instruments issued or supported by the credit of U.S. or foreign banks or savings institutions, domestic branches of foreign banks, and also foreign branches of domestic banks having total assets at the time of purchase in excess of \$1 billion. These obligations may be general obligations of the parent bank or may be limited to the issuing branch or subsidiary by the terms of a specific obligation or by government regulation. In particular, the Funds may invest in:

- (a) U.S. dollar-denominated obligations issued or supported by the credit of U.S. or foreign banks or savings institutions with total assets in excess of \$1 billion (including assets of domestic and foreign branches of such banks);
- (b) high quality commercial paper and other obligations issued or guaranteed by U.S. and foreign corporations and other issuers rated (at the time of purchase) A-2 or higher by S&P, Prime-2 or higher by Moody’s or F-2 or higher by Fitch, as well as high quality corporate bonds rated (at the time of purchase) A or higher by those rating agencies;
- (c) unrated notes, paper and other instruments that are of comparable quality to the instruments described in (b) above as determined by the Fund’s Manager;
- (d) asset-backed securities (including interests in pools of assets such as mortgages, installment purchase obligations and credit card receivables);
- (e) securities issued or guaranteed as to principal and interest by the U.S. Government or by its agencies or authorities and related custodial receipts;
- (f) dollar-denominated securities issued or guaranteed by foreign governments or their political subdivisions, agencies or authorities;
- (g) funding agreements issued by highly-rated U.S. insurance companies;
- (h) securities issued or guaranteed by state or local governmental bodies;
- (i) repurchase agreements relating to the above instruments;
- (j) municipal bonds and notes whose principal and interest payments are guaranteed by the U.S. Government or one of its agencies or instrumentalities or which otherwise depend directly or indirectly on the credit of the United States;
- (k) fixed and variable rate notes and similar debt instruments rated MIG-2, VMIG-2 or Prime-2 or higher by Moody’s, SP-2 or A-2 or higher by S&P, or F-2 or higher by Fitch;
- (l) tax-exempt commercial paper and similar debt instruments rated Prime-2 or higher by Moody’s, A-2 or higher by S&P, or F-2 or higher by Fitch;
- (m) municipal bonds rated A or higher by Moody’s, S&P or Fitch;
- (n) unrated notes, paper or other instruments that are of comparable quality to the instruments described above, as determined by the Fund’s Manager under guidelines established by the Board; and
- (o) municipal bonds and notes which are guaranteed as to principal and interest by the U.S. Government or an agency or instrumentality thereof or which otherwise depend directly or indirectly on the credit of the United States.

To the extent consistent with their investment objectives, a Fund may invest in debt obligations of domestic or foreign corporations and banks, and may acquire commercial obligations issued by Canadian corporations and Canadian counterparts of U.S. corporations, as well as Europaper, which is U.S. dollar-denominated commercial paper of a foreign issuer.

Mortgage-Related Securities

Mortgage-Backed Securities. Mortgage-backed securities represent interests in pools of mortgages in which payments of both principal and interest on the securities are generally made monthly, in effect “passing through” monthly payments made by borrowers on the residential or commercial mortgage loans that underlie the securities (net of any fees paid to the issuer or guarantor of the securities). Mortgage-backed securities differ from other forms of debt securities, which normally provide for periodic payment of interest in fixed amounts with principal payments at maturity or specified call dates.

Mortgage-backed securities are subject to the general risks associated with investing in real estate securities; that is, they may lose value if the value of the underlying real estate to which a pool of mortgages relates declines. In addition, investments in mortgage-backed securities involve certain specific risks. These risks include the failure of a party to meet its commitments under the related operative documents, adverse interest rate changes and the effects of prepayments on mortgage cash flows. Mortgage-backed securities are “pass-through” securities, meaning that principal and interest payments made by the borrower on the underlying mortgages are passed through to a Fund. The value of mortgage-backed securities, like that of traditional fixed-income securities, typically increases when interest rates fall and decreases when interest rates rise. However, mortgage-backed securities differ from traditional fixed-income securities because of their potential for prepayment without penalty. The price paid by a Fund for its mortgage-backed securities, the yield the Fund expects to receive from such securities and the weighted average life of the securities are based on a number of factors, including the anticipated rate of prepayment of the underlying mortgages. In a period of declining interest rates, borrowers may prepay the underlying mortgages more quickly than anticipated, thereby reducing the yield to maturity and the average life of the mortgage-backed securities. Moreover, when a Fund reinvests the proceeds of a prepayment in these circumstances, it will likely receive a rate of interest that is lower than the rate on the security that was prepaid.

To the extent that a Fund purchases mortgage-backed securities at a premium, mortgage foreclosures and principal prepayments may result in a loss to the extent of the premium paid. If a Fund buys such securities at a discount, both scheduled payments of principal and unscheduled prepayments will increase current and total returns and will accelerate the recognition of income, which, when distributed to shareholders, will be taxable as ordinary income. In a period of rising interest rates, prepayments of the underlying mortgages may occur at a slower than expected rate, creating maturity extension risk. This particular risk may effectively change a security that was considered short- or intermediate-term at the time of purchase into a long-term security. Since the value of long-term securities generally fluctuates more widely in response to changes in interest rates than that of shorter-term securities, maturity extension risk could increase the inherent volatility of the Fund. Under certain interest rate and prepayment scenarios, a Fund may fail to recoup fully its investment in mortgage-backed securities notwithstanding any direct or indirect governmental or agency guarantee.

There are currently three types of mortgage pass-through securities: (1) those issued by the U.S. government or one of its agencies or instrumentalities, such as the Government National Mortgage Association (“Ginnie Mae”), the Federal National Mortgage Association (“Fannie Mae”) and the Federal Home Loan Mortgage Corporation (“Freddie Mac”); (2) those issued by private issuers that represent an interest in or are collateralized by pass-through securities issued or guaranteed by the U.S. government or one of its agencies or instrumentalities; and (3) those issued by private issuers that represent an interest in or are collateralized by whole mortgage loans or pass-through securities without a government guarantee but that usually have some form of private credit enhancement.

Ginnie Mae is a wholly owned U.S. government corporation within the Department of Housing and Urban Development. Ginnie Mae is authorized to guarantee, with the full faith and credit of the U.S. government, the timely payment of principal and interest on securities issued by the institutions approved by Ginnie Mae (such as savings and loan institutions, commercial banks and mortgage banks), and backed by pools of Federal Housing Administration (“FHA”)-insured or Veterans’ Administration (“VA”)-guaranteed mortgages. Pass-through certificates guaranteed by Ginnie Mae (such certificates are also known as “Ginnie Maes”) are guaranteed as to the timely payment of principal and interest by Ginnie Mae, whose guarantee is backed by the full faith and credit of the United States. Ginnie Mae is a wholly-owned U.S. Government corporation within the Department of Housing and Urban Development. Ginnie Mae certificates also are supported by the authority of Ginnie Mae to borrow funds from the U.S. Treasury Department to make payments under its guarantee. Mortgage-related securities issued by Fannie Mae include Fannie Mae guaranteed Mortgage Pass-Through Certificates (also known as “Fannie Maes”), which are guaranteed as to timely payment of principal and interest by Fannie Mae. They are not backed by or entitled to the full faith and credit of the United States, but are supported by the right of Fannie Mae to borrow from the U.S. Treasury Department. Fannie Mae was established as a federal agency in 1938 and in 1968 was chartered by Congress as a private shareholder-owned company. Mortgage-related securities issued by the Freddie Mac include Freddie Mac Mortgage Participation Certificates (also known as “Freddie Macs” or “PCs”).

Freddie Mac is a stockholder-owned corporation chartered by Congress in 1970. Freddie Macs are not guaranteed by the United States or by any Federal Home Loan Banks and do not constitute a debt or obligation of the United States or of any Federal Home Loan Bank. Freddie Macs entitle the holder to timely payment of interest, which is guaranteed by Freddie Mac. Freddie Mac guarantees either ultimate collection or timely payment of all principal payments on the underlying mortgage loans. While Freddie Mac generally does not guarantee timely payment of principal, Freddie Mac may remit the amount due on account of its guarantee of ultimate payment of principal at any time after default on an underlying mortgage, but in no event later than one year after it becomes payable. On September 6, 2008, Director James Lockhart of the Federal Housing Finance Agency (“FHFA”) appointed FHFA as conservator of both Fannie Mae and Freddie Mac. In addition the U.S. Treasury Department agreed to provide Fannie Mae and Freddie Mac up to \$100 billion of capital each on an as needed basis to insure that they continue to provide liquidity to the housing and mortgage markets.

Private mortgage pass-through securities are structured similarly to Ginnie Mae, Fannie Mae, and Freddie Mac mortgage pass-through securities and are issued by originators of and investors in mortgage loans, including depository institutions, mortgage banks, investment banks and special purpose subsidiaries of the foregoing.

Pools created by private mortgage pass-through issuers generally offer a higher rate of interest than government and government-related pools because there are no direct or indirect government or agency guarantees of payments in the private pools. However, timely payment of interest and principal of these pools may be supported by various forms of insurance or guarantees, including individual loan, title, pool and hazard insurance and letters of credit. The insurance and guarantees are issued by governmental entities, private insurers and the mortgage poolers. The insurance and guarantees and the creditworthiness of the issuers thereof will be considered in determining whether a mortgage-related security meets a Fund’s investment quality standards. There can be no assurance that the private insurers or guarantors can meet their obligations under the insurance policies or guarantee arrangements. Private mortgage pass-through securities may be bought without insurance or guarantees if, through an examination of the loan experience and practices of the originator/servicers and poolers, the Manager determines that the securities meet a Fund’s quality standards. Any mortgage-related securities that are issued by private issuers have some exposure to subprime loans as well as to the mortgage and credit markets generally.

In addition, mortgage-related securities that are issued by private issuers are not subject to the underwriting requirements for the underlying mortgages that are applicable to those mortgage-related securities that have a government or government-sponsored entity guarantee. As a result, the mortgage loans underlying private mortgage-related securities may, and frequently do, have less favorable collateral, credit risk or other underwriting characteristics than government or government-sponsored mortgage-related securities and have wider variances in a number of terms including interest rate, term, size, purpose and borrower characteristics. Privately issued pools more frequently include second mortgages, high loan-to-value mortgages and manufactured housing loans. The coupon rates and maturities of the underlying mortgage loans in a private-label mortgage-related securities pool may vary to a greater extent than those included in a government guaranteed pool, and the pool may include subprime mortgage loans. Subprime loans refer to loans made to borrowers with weakened credit histories or with a lower capacity to make timely payments on their loans. For these reasons, the loans underlying these securities have had in many cases higher default rates than those loans that meet government underwriting requirements.

The risk of non-payment is greater for mortgage-related securities that are backed by mortgage pools that contain subprime loans, but a level of risk exists for all loans. Market factors adversely affecting mortgage loan repayments may include a general economic downturn, high unemployment, a general slowdown in the real estate market, a drop in the market prices of real estate, or an increase in interest rates resulting in higher mortgage payments by holders of adjustable rate mortgages.

Privately issued mortgage-related securities are not traded on an exchange and there may be a limited market for the securities, especially when there is a perceived weakness in the mortgage and real estate market sectors. Without an active trading market, mortgage-related securities held in a fund’s portfolio may be particularly difficult to value because of the complexities involved in assessing the value of the underlying mortgage loans.

A Fund from time to time may purchase in the secondary market (i) certain mortgage pass-through securities packaged and master serviced by PNC Mortgage Securities Corp. (“PNC Mortgage”) or Midland Loan Services, Inc. (“Midland”), or (ii) mortgage-related securities containing loans or mortgages originated by PNC Bank, National Association (“PNC Bank”) or its affiliates. It is possible that under some circumstances, PNC Mortgage, Midland or other affiliates could have interests that are in conflict with the holders of these mortgage-backed securities, and such holders could have rights against PNC Mortgage, Midland or their affiliates. For example, if PNC Mortgage, Midland or their affiliates engaged in negligence or willful misconduct in carrying out its

duties as a master servicer, then any holder of the mortgage-backed security could seek recourse against PNC Mortgage, Midland or their affiliates, as applicable. Also, as a master servicer, PNC Mortgage, Midland or their affiliates may make certain representations and warranties regarding the quality of the mortgages and properties underlying a mortgage-backed security. If one or more of those representations or warranties is false, then the holders of the mortgage-backed securities could trigger an obligation of PNC Mortgage, Midland or their affiliates, as applicable, to repurchase the mortgages from the issuing trust. Finally, PNC Mortgage, Midland or their affiliates may own securities that are subordinate to the senior mortgage-backed securities owned by a Fund.

Collateralized Mortgage Obligations (“CMOs”). CMOs are debt obligations collateralized by residential or commercial mortgage loans or residential or commercial mortgage pass-through securities. Interest and prepaid principal are generally paid monthly. CMOs may be collateralized by whole mortgage loans or private mortgage pass-through securities but are more typically collateralized by portfolios of mortgage pass-through securities guaranteed by Ginnie Mae, Freddie Mac, or Fannie Mae. The issuer of a series of CMOs may elect to be treated as a Real Estate Mortgage Investment Conduit (“REMIC”). All future references to CMOs also include REMICs.

CMOs are structured into multiple classes, often referred to as a “tranche,” each issued at a specific adjustable or fixed interest rate, and bearing a different stated maturity date and each must be fully retired no later than its final distribution date. Actual maturity and average life will depend upon the prepayment experience of the collateral, which is ordinarily unrelated to the stated maturity date. CMOs often provide for a modified form of call protection through a de facto breakdown of the underlying pool of mortgages according to how quickly the loans are repaid. Monthly payment of principal received from the pool of underlying mortgages, including prepayments, is first returned to investors holding the shortest maturity class. Investors holding the longer maturity classes usually receive principal only after the first class has been retired. An investor may be partially protected against a sooner than desired return of principal because of the sequential payments.

Certain issuers of CMOs are not considered investment companies pursuant to a rule adopted by the Commission, and a Fund may invest in the securities of such issuers without the limitations imposed by the Investment Company Act on investments by a Fund in other investment companies. In addition, in reliance on an earlier Commission interpretation, a Fund’s investments in certain other qualifying CMOs, which cannot or do not rely on the rule, are also not subject to the limitation of the Investment Company Act on acquiring interests in other investment companies. In order to be able to rely on the Commission’s interpretation, these CMOs must be unmanaged, fixed asset issuers, that: (1) invest primarily in mortgage-backed securities; (2) do not issue redeemable securities; (3) operate under general exemptive orders exempting them from all provisions of the Investment Company Act; and (4) are not registered or regulated under the Investment Company Act as investment companies. To the extent that a Fund selects CMOs that cannot rely on the rule or do not meet the above requirements, the Fund may not invest more than 10% of its assets in all such entities and may not acquire more than 3% of the voting securities of any single such entity.

A Fund may also invest in, among other things, parallel pay CMOs, Planned Amortization Class CMOs (“PAC bonds”), sequential pay CMOs, and floating rate CMOs. Parallel pay CMOs are structured to provide payments of principal on each payment date to more than one class. PAC bonds generally require payments of a specified amount of principal on each payment date. Sequential pay CMOs generally pay principal to only one class at a time while paying interest to several classes. Floating rate CMOs are securities whose coupon rate fluctuates according to some formula related to an existing market index or rate. Typical indices would include the eleventh district cost-of-funds index (“COFI”), LIBOR, one-year Treasury yields, and ten-year Treasury yields.

Classes of CMOs also include planned amortization classes (“PACs”) and targeted amortization classes (“TACs”). PAC bonds generally require payments of a specified amount of principal on each payment date. The scheduled principal payments for PAC Certificates generally have the highest priority on each payment date after interest due has been paid to all classes entitled to receive interest currently. Shortfalls, if any, are added to the amount payable on the next payment date. The PAC Certificate payment schedule is taken into account in calculating the final distribution date of each class of PAC. In order to create PAC tranches, one or more tranches generally must be created that absorb most of the volatility in the underlying mortgage assets. These tranches (often called “supports” or “companion” tranches) tend to have market prices and yields that are more volatile than the PAC classes.

TACs are similar to PACs in that they require that specified amounts of principal be applied on each payment date to one or more classes of REMIC Certificates. A PAC’s payment schedule, however, remains in effect as long as prepayment rates on the underlying mortgages do not exceed certain ranges. In contrast, a TAC provides investors with protection, to a certain level,

against either faster than expected or slower than expected prepayment rates, but not both. TACs thus provide more cash flow stability than a regular sequential paying class, but less than a PAC. TACs also tend to have market prices and yields that are more volatile than PACs.

Adjustable Rate Mortgage Securities. Adjustable rate mortgage securities (“ARMs”) are pass-through securities collateralized by mortgages with adjustable rather than fixed rates. ARMs eligible for inclusion in a mortgage pool generally provide for a fixed initial mortgage interest rate for a set number of scheduled monthly payments. After that schedule of payments has been completed, the interest rates are subject to periodic adjustment based on changes to a designated benchmark index.

ARMs contain maximum and minimum rates beyond which the mortgage interest rate may not vary over the lifetime of the security. In addition, certain ARMs provide for additional limitations on the maximum amount by which the mortgage interest rate may adjust for any single adjustment period. In the event that market rates of interest rise more rapidly to levels above that of the ARM’s maximum rate, the ARM’s coupon may represent a below market rate of interest. In these circumstances, the market value of the ARM security will likely have fallen.

Certain ARMs contain limitations on changes in the required monthly payment. In the event that a monthly payment is not sufficient to pay the interest accruing on an ARM, any such excess interest is added to the principal balance of the mortgage loan, which is repaid through future monthly payments. If the monthly payment for such an instrument exceeds the sum of the interest accrued at the applicable mortgage interest rate and the principal payment required at such point to amortize the outstanding principal balance over the remaining term of the loan, the excess is then used to reduce the outstanding principal balance of the ARM.

CMO Residuals. CMO residuals are derivative mortgage securities issued by agencies or instrumentalities of the U.S. government or by private originators of, or investors in, mortgage loans, including savings and loan associations, homebuilders, mortgage banks, commercial banks, investment banks, and special purpose entities of the foregoing. The cash flow generated by the mortgage assets underlying a series of CMOs is applied first to make required payments of principal and interest on the CMOs and second to pay the related administrative expenses of the issuer. The residual in a CMO structure generally represents the interest in any excess cash flow remaining after making the foregoing payments. Each payment of such excess cash flow to a holder of the related CMO residual represents income and/or a return of capital. The amount of residual cash flow resulting from a CMO will depend on, among other things, the characteristics of the mortgage assets, the coupon rate of each class of CMO, prevailing interest rates, the amount of administrative expenses and the prepayment experience on the mortgage assets. In part, the yield to maturity on the CMO residuals is extremely sensitive to prepayments on the related underlying mortgage assets, in the same manner as an interest-only (“IO”) class of stripped mortgage-related securities. In addition, if a series of a CMO includes a class that bears interest at an adjustable rate, the yield to maturity on the related CMO residual will also be extremely sensitive to changes in the level of the index upon which interest rate adjustments are based. In certain circumstances, a Fund may fail to recoup fully its initial investment in a CMO residual.

CMO residuals are generally purchased and sold by institutional investors through one or more investment banking firms acting as brokers or dealers. The CMO residual market has developed relatively recently and CMO residuals may not have the liquidity of other more established securities trading in other markets. Transactions in CMO residuals are generally completed only after careful review of the characteristics of the securities in question. In addition, CMO residuals may or, pursuant to an exemption therefrom, may not have been registered under the Securities Act. Residual interests generally are junior to, and may be significantly more volatile than, “regular” CMO and REMIC interests.

Stripped Mortgage-Backed Securities. A Fund may invest in stripped mortgage-backed securities (“SMBSs”) issued by agencies or instrumentalities of the United States. SMBSs are derivative multi-class mortgage-backed securities. SMBS arrangements commonly involve two classes of securities that receive different proportions of the interest and principal distributions on a pool of mortgage assets. A common variety of SMBS is where one class (the principal only or PO class) receives some of the interest and most of the principal from the underlying assets, while the other class (the interest only or IO class) receives most of the interest and the remainder of the principal. In the most extreme case, the IO class receives all of the interest, while the PO class receives all of the principal. While a Fund may purchase securities of a PO class, a Fund is more likely to purchase the securities of an IO class. The yield to maturity of an IO class is extremely sensitive to the rate of principal payments (including prepayments) on the related underlying assets, and a rapid rate of principal payments in excess of that considered in pricing the securities will have a material adverse effect on an IO security’s yield to maturity. If the underlying mortgage assets experience greater than anticipated payments of principal, a Fund may fail to recoup fully its initial investment in IOs. In addition, there are certain types of IOs that

represent the interest portion of a particular class as opposed to the interest portion of the entire pool. The sensitivity of this type of IO to interest rate fluctuations may be increased because of the characteristics of the principal portion to which they relate. As a result of the above factors, a Fund generally will purchase IOs only as a component of so called “synthetic” securities. This means that purchases of IOs will be matched with certain purchases of other securities, such as POs, inverse floating rate CMOs or fixed rate securities; as interest rates fall, presenting a greater risk of unanticipated prepayments of principal, the negative effect on a Fund because of its holdings of IOs should be diminished somewhat because of the increased yield on the inverse floating rate CMOs or the increased appreciation on the POs or fixed rate securities.

Tiered Index Bonds. Tiered index bonds are relatively new forms of mortgage-related securities. The interest rate on a tiered index bond is tied to a specified index or market rate. So long as this index or market rate is below a predetermined “strike” rate, the interest rate on the tiered index bond remains fixed. If, however, the specified index or market rate rises above the “strike” rate, the interest rate of the tiered index bond will decrease. Thus, under these circumstances, the interest rate on a tiered index bond, like an inverse floater, will move in the opposite direction of prevailing interest rates, with the result that the price of the tiered index bond may be considerably more volatile than that of a fixed-rate bond.

TBA Commitments. Certain Funds may enter into “to be announced” or “TBA” commitments. TBA commitments are forward agreements for the purchase or sale of securities, including mortgage-backed securities for a fixed price, with payment and delivery on an agreed upon future settlement date. The specific securities to be delivered are not identified at the trade date. However, delivered securities must meet specified terms, including issuer, rate and mortgage terms. See “When-Issued Securities, Delayed Delivery Securities and Forward Commitments” below.

Municipal Bonds. Certain Funds may invest in obligations issued by or on behalf of states, territories and possessions of the United States and the District of Columbia and their political subdivisions, agencies and instrumentalities, the payments from which, in the opinion of bond counsel to the issuer, are excludable from gross income for U.S. federal income tax purposes (“Municipal Bonds”). Municipal Bonds include debt obligations issued to obtain funds for various public purposes, including the construction of a wide range of public facilities, refunding of outstanding obligations and obtaining funds for general operating expenses and loans to other public institutions and facilities. In addition, certain types of bonds are issued by or on behalf of public authorities to finance various privately owned or operated facilities, including certain facilities for the local furnishing of electric energy or gas, sewage facilities, solid waste disposal facilities and other specialized facilities. Such obligations are included within the term Municipal Bonds if the interest paid thereon is excluded from gross income for U.S. federal income tax purposes and any applicable state and local taxes. Other types of private activity bonds, the proceeds of which are used for the construction, equipment or improvement of privately operated industrial or commercial facilities, may constitute Municipal Bonds, although the current U.S. federal tax laws place substantial limitations on the size of such issues. The interest on Municipal Bonds may bear a fixed rate or be payable at a variable or floating rate. The two principal classifications of Municipal Bonds are “general obligation” and “revenue” or “special obligation” bonds, which latter category includes private activity bonds (“PABs”) (or “industrial development bonds” under pre-1986 law).

Risk Factors and Special Considerations Relating to Municipal Bonds. The risks and special considerations involved in investment in Municipal Bonds vary with the types of instruments being acquired. Investments in Non-Municipal Tax-Exempt Securities may present similar risks, depending on the particular product. Certain instruments in which a Fund may invest may be characterized as derivatives.

The value of Municipal Bonds generally may be affected by uncertainties in the municipal markets as a result of legislation or litigation, including legislation or litigation that changes the taxation of Municipal Bonds or the rights of Municipal Bond holders in the event of a bankruptcy. Municipal bankruptcies are rare and certain provisions of the U.S. Bankruptcy Code governing such bankruptcies are unclear. Further, the application of state law to Municipal Bond issuers could produce varying results among the states or among Municipal Bond issuers within a state. These uncertainties could have a significant impact on the prices of the Municipal Bonds in which a Fund invests.

General Obligation Bonds. General obligation bonds are secured by the issuer’s pledge of its full faith, credit and taxing power for the payment of principal and interest. The taxing power of any governmental entity may be limited, however, by provisions of its state constitution or laws, and an entity’s creditworthiness will depend on many factors, including potential erosion of its tax base due to population declines, natural disasters, declines in the state’s industrial base or inability to attract new industries, economic limits on the ability to tax without eroding the tax base, state legislative proposals or voter initiatives to limit ad valorem real property taxes and the extent to which the entity relies on federal or state aid, access to capital markets or other factors beyond the

state's or entity's control. Accordingly, the capacity of the issuer of a general obligation bond as to the timely payment of interest and the repayment of principal when due is affected by the issuer's maintenance of its tax base.

Revenue Bonds. Revenue bonds are payable only from the revenues derived from a particular facility or class of facilities or, in some cases, from the proceeds of a special excise tax or other specific revenue source such as payments from the user of the facility being financed; accordingly, the timely payment of interest and the repayment of principal in accordance with the terms of the revenue or special obligation bond is a function of the economic viability of such facility or such revenue source.

Revenue bonds issued by state or local agencies to finance the development of low-income, multi-family housing involve special risks in addition to those associated with municipal bonds generally, including that the underlying properties may not generate sufficient income to pay expenses and interest costs. Such bonds are generally non-recourse against the property owner, may be junior to the rights of others with an interest in the properties, may pay interest that changes based in part on the financial performance of the property, may be prepayable without penalty and may be used to finance the construction of housing developments which, until completed and rented, do not generate income to pay interest. Increases in interest rates payable on senior obligations may make it more difficult for issuers to meet payment obligations on subordinated bonds.

PABs. PABs are, in most cases, tax-exempt securities issued by states, municipalities or public authorities to provide funds, usually through a loan or lease arrangement, to a private entity for the purpose of financing construction or improvement of a facility to be used by the entity. Such bonds are secured primarily by revenues derived from loan repayments or lease payments due from the entity, which may or may not be guaranteed by a parent company or otherwise secured. PABs generally are not secured by a pledge of the taxing power of the issuer of such bonds. Therefore, an investor should understand that repayment of such bonds generally depends on the revenues of a private entity and be aware of the risks that such an investment may entail. The continued ability of an entity to generate sufficient revenues for the payment of principal and interest on such bonds will be affected by many factors including the size of the entity, its capital structure, demand for its products or services, competition, general economic conditions, government regulation and the entity's dependence on revenues for the operation of the particular facility being financed.

Tender Option Bonds. Certain Funds may invest in residual inverse floating rate interest tender option bonds ("TOB Residuals"), which are derivative interests in Municipal Bonds. The TOB Residuals in which the Funds will invest pay interest or income that, in the opinion of counsel to the issuer, is exempt from regular U.S. federal income tax. BlackRock will not conduct its own analysis of the tax status of the interest or income paid by TOB Residuals held by the Funds, but will rely on the opinion of counsel to the issuer. Although volatile, TOB Residuals typically offer the potential for yields exceeding the yields available on fixed rate Municipal Bonds with comparable credit quality. The Funds may invest in TOB Residuals for the purpose of using economic leverage.

TOB Residuals represent beneficial interests in a special purpose trust formed for the purpose of holding Municipal Bonds contributed by one or more funds (a "TOB Trust"). A TOB Trust typically issues two classes of beneficial interests: short-term floating rate interests ("TOB Floaters"), which are sold to third party investors, and TOB Residuals, which are generally issued to the fund(s) that transferred Municipal Bonds to the TOB Trust. The Funds may invest in both TOB Floaters and TOB Residuals. TOB Floaters may have first priority on the cash flow from the Municipal Bonds held by the TOB Trust and are enhanced with a liquidity support arrangement from a third party Liquidity Provider (defined below) which allows holders to tender their position at par (plus accrued interest). A Fund, as a holder of TOB Residuals, is paid the residual cash flow from the TOB Trust. A Fund that contributes the Municipal Bonds to the TOB Trust is paid the cash received by the TOB Trust from the sale of the TOB Floaters, less certain transaction costs, and typically will invest the cash to purchase additional Municipal Bonds or other investments permitted by its investment policies. If a Fund ever purchases all or a portion of the TOB Floaters sold by the TOB Trust, it may surrender those TOB Floaters together with a proportionate amount of TOB Residuals to the TOB Trust in exchange for a proportionate amount of the Municipal Bonds owned by the TOB Trust.

Other BlackRock-advised funds may contribute Municipal Bonds to a TOB Trust into which a Fund has contributed Municipal Bonds. If multiple BlackRock-advised funds participate in the same TOB Trust, the economic rights and obligations under the TOB Residual will generally be shared among the funds ratably in proportion to their participation in the TOB Trust.

The Municipal Bonds transferred to a TOB Trust typically are high grade Municipal Bonds. In certain cases, when Municipal Bonds transferred are lower grade Municipal Bonds, the TOB Trust transaction includes a credit enhancement feature that provides for the timely payment of principal and interest on the bonds to the TOB Trust by a credit enhancement provider. The TOB Trust would be responsible for the payment of the credit enhancement fee and a Fund, as a TOB Residual holder, would be responsible for reimbursement of any payments of principal and interest made by the credit enhancement provider.

The TOB Residuals held by a Fund generally provide the Fund with the right to cause the holders of a proportional share of the TOB Floaters to tender their notes to the TOB Trust at par plus accrued interest. Thereafter, the Fund may withdraw a corresponding share of the Municipal Bonds from the TOB Trust. This transaction, in effect, creates exposure for the Fund to the entire return of the Municipal Bonds in the TOB Trust, with a net cash investment by the Fund that is less than the value of the Municipal Bonds in the TOB Trust. This multiplies the positive or negative impact of the Municipal Bonds' return within the Fund (thereby creating leverage). The leverage within a TOB Trust depends on the value of the Municipal Bonds deposited in the TOB Trust relative to the value of the TOB Floaters it issues.

A Fund may invest in highly leveraged TOB Residuals. A TOB Residual generally is considered highly leveraged if the principal amount of the TOB Floaters issued by the related TOB Trust exceeds 75% of the principal amount of the Municipal Bonds owned by the TOB Trust.

The TOB Trust may be collapsed without the consent of a Fund upon the occurrence of tender option termination events ("TOTEs") and mandatory termination events ("MTEs"), as defined in the TOB Trust agreements. TOTEs include the bankruptcy or default of the issuer of the Municipal Bonds held in the TOB Trust, a substantial downgrade in the credit quality of the issuer of the Municipal Bonds held in the TOB Trust, failure of any scheduled payment of principal or interest on the Municipal Bonds, and a judgment or ruling that interest on the Municipal Bonds is subject to U.S. federal income taxation. MTEs may include, among other things, a failed remarketing of the TOB Floaters, the inability of the TOB Trust to obtain renewal of the liquidity support agreement, and a substantial decline in the market value of the Municipal Bonds held in the TOB Trust. Upon the occurrence of a TOTE or an MTE, a TOB Trust would be liquidated with the proceeds applied first to any accrued fees owed to the trustee of the TOB Trust, the remarketing agent of the TOB Floaters and the Liquidity Provider (defined below). In the case of an MTE, after the payment of fees, the holders of the TOB Floaters would be paid senior to the TOB Residual holders (i.e., the Fund). In contrast, in the case of a TOTE, after payment of fees, the holders of TOB Floaters and the TOB Residual holders would be paid pro rata in proportion to the respective face values of their certificates.

A Fund may invest in a TOB Trust on either a non-recourse and recourse basis. TOB Trusts are typically supported by a liquidity facility provided by a third-party bank or other financial institution (the "Liquidity Provider") that allows the holders of the TOB Floaters to tender their TOB Floaters in exchange for payment of par plus accrued interest on any business day (subject to the non-occurrence of a TOTE described above). Depending on the structure of the TOB Trust, the Liquidity Provider may purchase the tendered TOB Floaters, or the TOB Trust may draw upon a loan from the Liquidity Provider to purchase the tendered TOB Floaters.

When a Fund invests in TOB Trusts on a non-recourse basis, and the Liquidity Provider is required to make a payment under the liquidity facility, the Liquidity Provider will typically liquidate all or a portion of the Municipal Bonds held in the TOB Trust and then fund the balance, if any, of the amount owed under the liquidity facility over the liquidation proceeds (the "Liquidation Shortfall"). If a Fund invests in a TOB Trust on a recourse basis, it will typically enter into a reimbursement agreement with the Liquidity Provider pursuant to which the Fund is required to reimburse the Liquidity Provider the amount of any Liquidation Shortfall. As a result, if the Fund invests in a recourse TOB Trust, the Fund will bear the risk of loss with respect to any Liquidation Shortfall. If multiple BlackRock-advised funds participate in any such TOB Trust, these losses will be shared ratably, in proportion to their participation in the TOB Trust.

Under accounting rules, Municipal Bonds of a Fund that are deposited into a TOB Trust are investments of the Fund and are presented on the Fund's Schedule of Investments and outstanding TOB Floaters issued by a TOB Trust are presented as liabilities in the Fund's Statement of Assets and Liabilities. Interest income from the underlying Municipal Bonds is recorded by a Fund on an accrual basis. Interest expense incurred on the TOB Floaters and other expenses related to remarketing, administration, trustee and other services to a TOB Trust are reported as expenses of a Fund. In addition, under accounting rules, loans made to a TOB Trust sponsored by a Fund may be presented as loans of the Fund in the Fund's financial statements even if there is no recourse to the Fund's assets.

For TOB Floaters, generally, the interest rate earned will be based upon the market rates for Municipal Bonds with maturities or remarketing provisions that are comparable in duration to the periodic interval of the tender option. Since the tender option feature has a shorter term than the final maturity or first call date of the underlying Municipal Bonds deposited in the TOB Trust, the holder of the TOB Floaters relies upon the terms of the agreement with the financial institution furnishing the liquidity facility as well as the credit strength of that institution. The risk associated with TOB Floaters, however, may be increased in the current market environment as a result of recent downgrades to the credit ratings, and thus the perceived reliability and creditworthiness,

of many major financial institutions, some of which sponsor and/or provide liquidity support to TOB Trusts. This in turn may reduce the desirability of TOB Floaters as investments, which could impair the viability or availability of TOB Trusts.

The use of TOB Residuals will require the Fund to earmark or segregate liquid assets in an amount equal to any TOB Floaters, plus any accrued but unpaid interest due on the TOB Floaters, issued by TOB Trusts sponsored by, or on behalf of, the Fund that are not owned by the Fund. The use of TOB Residuals may also require the Fund to earmark or segregate liquid assets in an amount equal to loans provided by the Liquidity Provider to the TOB Trust to purchase tendered TOB Floaters. The Fund reserves the right to modify its asset segregation policies in the future to the extent that such changes are in accordance with applicable regulations or interpretations. Future regulatory requirements or SEC guidance may necessitate more onerous contractual or regulatory requirements, which may increase the costs or reduce the degree of potential economic benefits of TOB Trust transactions or limit the Fund's ability to enter into or manage TOB Trust transactions.

Recent Developments in the TOB Trust Market. On December 10, 2013, regulators published final rules implementing section 619 of the Dodd-Frank Wall Street Reform and Consumer Protection Act (the "Volcker Rule"), which prohibit banking entities from engaging in proprietary trading of certain instruments and limit such entities' investments in, and relationships with, "covered funds", as defined in the Volcker Rule. The Volcker Rule precludes banking entities and their affiliates from sponsoring TOB Trusts as such Trusts have been structured prior to the effective date of the Volcker Rule. Banking entities subject to the Volcker Rule are required to fully comply by July 21, 2015, with respect to investments in and relationships with TOB Trusts that were not in place prior to December 31, 2013, and by July 21, 2017, with respect to investments in and relationships with TOB Trusts that were in place prior to December 31, 2013. As a result, TOB Trusts may need to be restructured or unwound.

In response to the restrictions imposed by the Volcker Rule, market participants have developed a new structure for TOB Trusts designed to ensure that no banking entity is sponsoring the TOB Trust for purposes of the Volcker Rule. Specifically, a Fund will establish, structure and "sponsor" the TOB Trusts in which it holds TOB Residuals. In such a structure, certain responsibilities that previously belonged to the sponsor bank will be performed by, or on behalf of, a Fund. A Fund may utilize service providers in meeting these responsibilities. This structure remains untested. It is possible that regulators could take positions that could limit the market for such newly structured TOB Trust transactions or a Fund's ability to hold TOB Residuals. Under the new TOB Trust structure, a Fund will have certain additional duties and responsibilities, which may give rise to certain additional risks including, but not limited to, compliance, securities law and operational risks.

Service providers to a TOB Trust, such as administrators, liquidity providers, trustees, and remarketing agents, would be acting at the direction of, and as agent of, the Fund as the TOB Residual holder. Similar to the current tender option bond structure, a Fund would deposit Municipal Bonds into the TOB Trust in exchange for TOB Residuals, the TOB Trust would then issue and sell TOB Floaters to third party investors, and the proceeds of the sale of the TOB Floaters would be distributed to such TOB Residual holders (i.e., the Fund). Tendered TOB Floaters would continue to be supported by a remarketing agent and a liquidity facility. However, the remarketing agent is not anticipated to purchase tendered TOB Floaters for its own account in the event of a failed remarketing, which may increase the likelihood that a TOB Trust will need to be collapsed and liquidated in order to purchase the tendered TOB Floaters. In the event of a failed remarketing of TOB Floaters, the Liquidity Provider, at its option, may advance a loan to the TOB Trust the proceeds of which would be used by the TOB Trust to purchase the tendered TOB Floaters. The Liquidity Provider is not obligated to advance such a loan. The TOB Trust would be the borrower with respect to any such loan. Any loans made by a Liquidity Provider will be secured by the purchased TOB Floaters held by the TOB Trust.

Similar to the current structure for TOB Trusts, a Fund may hold either non-recourse TOB Residuals or recourse TOB Residuals under the new structure. In the event of a Liquidation Shortfall, there would generally be no contractual recourse to the Fund's assets if the Fund holds a non-recourse TOB Residual. However, as described above, a Fund would bear the risk of loss with respect to any Liquidation Shortfall if it holds a recourse TOB Residual.

The SEC and various federal banking and housing agencies recently adopted credit risk retention rules for securitizations (the "Risk Retention Rules"), which take effect in December 2016. The Risk Retention Rules would require the sponsor of a TOB Trust to retain at least 5% of the credit risk of the underlying assets supporting the TOB Trust's Municipal Bonds. The Risk Retention Rules may adversely affect the Fund's ability to engage in TOB Trust transactions or increase the costs of such transactions in certain circumstances.

There can be no assurance that a Fund can successfully enter into restructured TOB Trust transactions in order to refinance its existing TOB Residual holdings prior to the compliance date for the Volcker Rule, which may require that the Fund unwinds existing TOB Trusts.

TOB Trust transactions constitute an important component of the municipal bond market. Accordingly, implementation of the Volcker Rule may adversely impact the municipal market, including through reduced demand for and liquidity of municipal bonds and increased financing costs for municipal issuers. Any such developments could adversely affect the Funds. The ultimate impact of these rules on the TOB market and the overall municipal market is not yet certain.

Participation Notes. A Fund may buy participation notes from a bank or broker-dealer (“issuer”) that entitle the Fund to a return measured by the change in value of an identified underlying security or basket of securities (collectively, the “underlying security”). Participation notes are typically used when a direct investment in the underlying security is restricted due to country-specific regulations.

The Fund is subject to counterparty risk associated with each issuer. Investment in a participation note is not the same as investment in the constituent shares of the company. A participation note represents only an obligation of the issuer to provide the Fund the economic performance equivalent to holding shares of an underlying security. A participation note does not provide any beneficial or equitable entitlement or interest in the relevant underlying security. In other words, shares of the underlying security are not in any way owned by the Fund. However each participation note synthetically replicates the economic benefit of holding shares in the underlying security. Because a participation note is an obligation of the issuer, rather than a direct investment in shares of the underlying security, the Fund may suffer losses potentially equal to the full value of the participation note if the issuer fails to perform its obligations. A Fund attempts to mitigate that risk by purchasing only from issuers which BlackRock deems to be creditworthy.

The counterparty may, but is not required to, purchase the shares of the underlying security to hedge its obligation. The fund may, but is not required to, purchase credit protection against the default of the issuer. When the participation note expires or a Fund exercises the participation note and closes its position, that Fund receives a payment that is based upon the then-current value of the underlying security converted into U.S. dollars (less transaction costs). The price, performance and liquidity of the participation note are all linked directly to the underlying security. A Fund’s ability to redeem or exercise a participation note generally is dependent on the liquidity in the local trading market for the security underlying the participation note.

Pay-in-kind Bonds. Certain Funds may invest in Pay-in-kind, or PIK, bonds. PIK bonds are bonds which pay interest through the issuance of additional debt or equity securities. Similar to zero coupon obligations, pay-in-kind bonds also carry additional risk as holders of these types of securities realize no cash until the cash payment date unless a portion of such securities is sold and, if the issuer defaults, a Fund may obtain no return at all on its investment. The market price of pay-in-kind bonds is affected by interest rate changes to a greater extent, and therefore tends to be more volatile, than that of securities which pay interest in cash. Additionally, current U.S. federal tax law requires the holder of pay-in-kind bonds to accrue income with respect to these securities prior to the receipt of cash payments. To maintain its qualification as a regulated investment company and avoid liability for U.S. federal income and excise taxes, each Fund may be required to distribute income accrued with respect to these securities and may have to dispose of portfolio securities under disadvantageous circumstances in order to generate cash to satisfy these distribution requirements.

Portfolio Turnover Rates. A Fund’s annual portfolio turnover rate will not be a factor preventing a sale or purchase when the Manager believes investment considerations warrant such sale or purchase. Although certain Funds will use an approach to investing that is largely a passive, indexing approach, such Funds may engage in a substantial number of portfolio transactions. With respect to these Funds, the rate of portfolio turnover will be a limiting factor when the Manager considers whether to purchase or sell securities for a Fund only to the extent that the Manager will consider the impact of transaction costs on a Fund’s tracking error. Portfolio turnover may vary greatly from year to year as well as within a particular year. High portfolio turnover (*i.e.*, 100% or more) may result in increased transaction costs to a Fund, including brokerage commissions, dealer mark-ups and other transaction costs on the sale of the securities and reinvestment in other securities. The sale of a Fund’s securities may result in the recognition of capital gain or loss. Given the frequency of sales, such gain or loss will likely be short-term capital gain or loss. These effects of higher than normal portfolio turnover may adversely affect a Fund’s performance.

Preferred Stock. Certain of the Funds may invest in preferred stocks. Preferred stock has a preference over common stock in liquidation (and generally dividends as well) but is subordinated to the liabilities of the issuer in all respects. As a general rule, the market value of preferred stock with a fixed dividend rate and no conversion element varies inversely with interest rates and perceived credit risk, while the market price of convertible preferred stock generally also reflects some element of conversion value. Because preferred stock is junior to debt securities and other obligations of the issuer, deterioration in the credit quality of the issuer will cause greater changes in the value of a preferred stock than in a more senior debt security with similar stated yield

characteristics. Unlike interest payments on debt securities, preferred stock dividends are payable only if declared by the issuer's board of directors. Preferred stock also may be subject to optional or mandatory redemption provisions.

Real Estate Related Securities. Although no Fund may invest directly in real estate, certain Funds may invest in equity securities of issuers that are principally engaged in the real estate industry. Such investments are subject to certain risks associated with the ownership of real estate and with the real estate industry in general. These risks include, among others: possible declines in the value of real estate; risks related to general and local economic conditions; possible lack of availability of mortgage funds or other limitations on access to capital; overbuilding; risks associated with leverage; market illiquidity; extended vacancies of properties; increase in competition, property taxes, capital expenditures and operating expenses; changes in zoning laws or other governmental regulation; costs resulting from the clean-up of, and liability to third parties for damages resulting from, environmental problems; tenant bankruptcies or other credit problems; casualty or condemnation losses; uninsured damages from floods, earthquakes or other natural disasters; limitations on and variations in rents, including decreases in market rates for rents; investment in developments that are not completed or that are subject to delays in completion; and changes in interest rates. To the extent that assets underlying a Fund's investments are concentrated geographically, by property type or in certain other respects, the Fund may be subject to certain of the foregoing risks to a greater extent. Investments by a Fund in securities of companies providing mortgage servicing will be subject to the risks associated with refinancings and their impact on servicing rights.

In addition, if a Fund receives rental income or income from the disposition of real property acquired as a result of a default on securities the Fund owns, the receipt of such income may adversely affect the Fund's ability to retain its tax status as a regulated investment company because of certain income source requirements applicable to regulated investment companies under the Code.

Real Estate Investment Trusts ("REITs"). In pursuing its investment strategy, a Fund may invest in shares of REITs. REITs possess certain risks which differ from an investment in common stocks. REITs are financial vehicles that pool investor's capital to purchase or finance real estate. REITs may concentrate their investments in specific geographic areas or in specific property types, *i.e.*, hotels, shopping malls, residential complexes and office buildings.

REITs are subject to management fees and other expenses, and so a Fund that invests in REITs will bear its proportionate share of the costs of the REITs' operations. There are three general categories of REITs: Equity REITs, Mortgage REITs and Hybrid REITs. Equity REITs invest primarily in direct fee ownership or leasehold ownership of real property; they derive most of their income from rents. Mortgage REITs invest mostly in mortgages on real estate, which may secure construction, development or long-term loans; the main source of their income is mortgage interest payments. Hybrid REITs hold both ownership and mortgage interests in real estate.

Investing in REITs involves certain unique risks in addition to those risks associated with investing in the real estate industry in general. The market value of REIT shares and the ability of the REITs to distribute income may be adversely affected by several factors, including rising interest rates, changes in the national, state and local economic climate and real estate conditions, perceptions of prospective tenants of the safety, convenience and attractiveness of the properties, the ability of the owners to provide adequate management, maintenance and insurance, the cost of complying with the Americans with Disabilities Act, increased competition from new properties, the impact of present or future environmental legislation and compliance with environmental laws, failing to maintain their exemptions from registration under the Investment Company Act, changes in real estate taxes and other operating expenses, adverse changes in governmental rules and fiscal policies, adverse changes in zoning laws and other factors beyond the control of the issuers of the REITs. In addition, distributions received by a Fund from REITs may consist of dividends, capital gains and/or return of capital. As REITs generally pay a higher rate of dividends (on a pre-tax basis) than operating companies, to the extent application of the Fund's investment strategy results in the Fund investing in REIT shares, the percentage of the Fund's dividend income received from REIT shares will likely exceed the percentage of the Fund's portfolio which is comprised of REIT shares. Recently enacted tax legislation permits a direct REIT shareholder to claim a 20% "qualified business income" deduction for ordinary REIT dividends, but does not permit regulated investment companies such as the Fund to pass through to its shareholders the special character of this income. Ordinary REIT dividends received by a Fund and distributed to the Fund's shareholders also will not constitute "qualified dividend income." Therefore, the tax rate applicable to that portion of the dividend income attributable to ordinary REIT dividends received by the Fund will be taxed at a higher rate than dividends eligible for special treatment. REITs (especially mortgage REITs) are also subject to interest rate risk. Rising interest rates may cause REIT investors to demand a higher annual yield, which may, in turn, cause a decline in the market price of the equity securities issued by a REIT. Rising interest rates also generally increase the costs of obtaining financing, which could cause the value of a Fund's REIT investments to decline. During periods when interest rates are declining, mortgages are often

refinanced. Refinancing may reduce the yield on investments in mortgage REITs. In addition, since REITs depend on payment under their mortgage loans and leases to generate cash to make distributions to their shareholders, investments in REITs may be adversely affected by defaults on such mortgage loans or leases.

Investing in certain REITs, which often have small market capitalizations, may also involve the same risks as investing in other small capitalization companies. REITs may have limited financial resources and their securities may trade less frequently and in limited volume and may be subject to more abrupt or erratic price movements than larger company securities. Historically, small capitalization stocks, such as REITs, have been more volatile in price than the larger capitalization stocks such as those included in the S&P 500 Index. The management of a REIT may be subject to conflicts of interest with respect to the operation of the business of the REIT and may be involved in real estate activities competitive with the REIT. REITs may own properties through joint ventures or in other circumstances in which the REIT may not have control over its investments. REITs may incur significant amounts of leverage.

Repurchase Agreements and Purchase and Sale Contracts. Under repurchase agreements and purchase and sale contracts, the other party agrees, upon entering into the contract with a Fund, to repurchase a security sold to the Fund at a mutually agreed-upon time and price in a specified currency, thereby determining the yield during the term of the agreement.

A purchase and sale contract differs from a repurchase agreement in that the contract arrangements stipulate that securities are owned by the Fund and the purchaser receives any interest on the security paid during the period. In the case of repurchase agreements, the prices at which the trades are conducted do not reflect accrued interest on the underlying obligation; whereas, in the case of purchase and sale contracts, the prices take into account accrued interest. A Fund may enter into “tri-party” repurchase agreements. In “tri-party” repurchase agreements, an unaffiliated third-party custodian maintains accounts to hold collateral for the Fund and its counterparties and, therefore, the Fund may be subject to the credit risk of those custodians.

Some repurchase agreements and purchase and sale contracts are structured to result in a fixed rate of return insulated from market fluctuations during the term of the agreement, although such return may be affected by currency fluctuations. However, in the event of a default under a repurchase agreement or under a purchase and sale contract, instead of the contractual fixed rate, the rate of return to the Fund would be dependent upon intervening fluctuations of the market values of the securities underlying the contract and the accrued interest on those securities. In such event, the Fund would have rights against the seller for breach of contract with respect to any losses arising from market fluctuations following the default.

Both types of agreement usually cover short periods, such as less than one week, although they may have longer terms, and may be construed to be collateralized loans by the purchaser to the seller secured by the securities transferred to the purchaser. In the case of a repurchase agreement, as a purchaser, a Fund’s Manager or sub-adviser will monitor the creditworthiness of the seller, and a Fund will require the seller to provide additional collateral if the market value of the securities falls below the repurchase price at any time during the term of the repurchase agreement. The Fund does not have this right to seek additional collateral as a purchaser in the case of purchase and sale contracts. The Fund’s Manager or sub-adviser will mark-to-market daily the value of the securities. Securities subject to repurchase agreements (other than tri-party repurchase agreements) and purchase and sale contracts will be held by the Fund’s custodian (or sub-custodian) in the Federal Reserve/Treasury book-entry system or by another authorized securities depository.

In the event of default by the seller under a repurchase agreement construed to be a collateralized loan, the underlying securities are not owned by the Fund but only constitute collateral for the seller’s obligation to pay the repurchase price. Therefore, the Fund may suffer time delays and incur costs or possible losses in connection with disposition of the collateral. If the seller becomes insolvent and subject to liquidation or reorganization under applicable bankruptcy or other laws, a Fund’s ability to dispose of the underlying securities may be restricted. Finally, it is possible that a Fund may not be able to substantiate its interest in the underlying securities. To minimize this risk, the securities underlying the repurchase agreement will be held by the applicable custodian at all times in an amount at least equal to the repurchase price, including accrued interest. If the seller fails to repurchase the securities, a Fund may suffer a loss to the extent proceeds from the sale of the underlying securities are less than the repurchase price.

In any repurchase transaction to which a Fund is a party, collateral for a repurchase agreement may include cash items and obligations issued by the U.S. Government or its agencies or instrumentalities. For certain Funds, however, collateral may include instruments other than cash items and obligations issued by the U.S. Government or its agencies or instrumentalities, including securities that the Fund could not hold directly under its investment strategies without the repurchase obligation.

The type of collateral underlying repurchase agreements may also pose certain risks for a Fund. Lower quality collateral and collateral with longer maturities may be subject to greater price fluctuations than higher quality collateral and collateral with

shorter maturities. If the repurchase agreement counterparty were to default, lower quality collateral may be more difficult to liquidate than higher quality collateral. Should the counterparty default and the amount of collateral not be sufficient to cover the counterparty's repurchase obligation, a Fund would retain the status of an unsecured creditor of the counterparty (*i.e.*, the position the Fund would normally be in if it were to hold, pursuant to its investment policies, other unsecured debt securities of the defaulting counterparty) with respect to the amount of the shortfall. As an unsecured creditor, a Fund would be at risk of losing some or all of the principal and income involved in the transaction.

A Fund may not invest in repurchase agreements or purchase and sale contracts maturing in more than seven days if such investments, together with the Fund's other illiquid investments, would exceed 15% of the Fund's net assets. Repurchase agreements and purchase and sale contracts may be entered into only with financial institutions that have capital of at least \$50 million or whose obligations are guaranteed by an entity that has capital of at least \$50 million.

Regulations adopted by prudential regulators that will begin to take effect in 2019 will require certain bank-regulated counterparties and certain of their affiliates to include in certain financial contracts, including many repurchase agreements and purchase and sale contracts, terms that delay or restrict the rights of counterparties, such as a Fund, to terminate such agreements, take foreclosure action, exercise other default rights or restrict transfers of credit support in the event that the counterparty and/or its affiliates are subject to certain types of resolution or insolvency proceedings. It is possible that these new requirements, as well as potential additional government regulation and other developments in the market, could adversely affect a Fund's ability to terminate existing repurchase agreements and purchase and sale contracts or to realize amounts to be received under such agreements.

Reverse Repurchase Agreements. A Fund may enter into reverse repurchase agreements with the same parties with whom it may enter into repurchase agreements. Under a reverse repurchase agreement, a Fund sells securities to another party and agrees to repurchase them at a particular date and price. A Fund may enter into a reverse repurchase agreement when it is anticipated that the interest income to be earned from the investment of the proceeds of the transaction is greater than the interest expense of the transaction.

At the time a Fund enters into a reverse repurchase agreement, it will segregate liquid assets with a value not less than the repurchase price (including accrued interest). The use of reverse repurchase agreements may be regarded as leveraging and, therefore, speculative. Furthermore, reverse repurchase agreements involve the risks that (i) the interest income earned in the investment of the proceeds will be less than the interest expense, (ii) the market value of the securities retained in lieu of sale by a Fund may decline below the price of the securities the Fund has sold but is obligated to repurchase, (iii) the market value of the securities sold will decline below the price at which the Fund is required to repurchase them and (iv) the securities will not be returned to the Fund.

In addition, if the buyer of securities under a reverse repurchase agreement files for bankruptcy or becomes insolvent, such buyer or its trustee or receiver may receive an extension of time to determine whether to enforce a Fund's obligations to repurchase the securities and the Fund's use of the proceeds of the reverse repurchase agreement may effectively be restricted pending such decision.

Additionally, regulations adopted by prudential regulators that will begin to take effect in 2019 will require certain bank-regulated counterparties and certain of their affiliates to include in certain financial contracts, including many reverse repurchase agreements, terms that delay or restrict the rights of counterparties, such as a Fund, to terminate such agreements, take foreclosure action, exercise other default rights or restrict transfers of credit support in the event that the counterparty and/or its affiliates are subject to certain types of resolution or insolvency proceedings. It is possible that these new requirements, as well as potential additional government regulation and other developments in the market, could adversely affect a Fund's ability to terminate existing reverse repurchase agreements or to realize amounts to be received under such agreements.

Rights Offerings and Warrants to Purchase. Certain Funds may participate in rights offerings and may purchase warrants, which are privileges issued by corporations enabling the owners to subscribe to and purchase a specified number of shares of the corporation at a specified price during a specified period of time. Subscription rights normally have a short life span to expiration. The purchase of rights or warrants involves the risk that a Fund could lose the purchase value of a right or warrant if the right to subscribe to additional shares is not exercised prior to the rights' and warrants' expiration. Also, the purchase of rights and/or warrants involves the risk that the effective price paid for the right and/or warrant added to the subscription price of the related security may exceed the value of the subscribed security's market price such as when there is no movement in the level of the underlying security. Buying a warrant does not make the Fund a shareholder of the underlying stock. The warrant holder has no

voting or dividend rights with respect to the underlying stock. A warrant does not carry any right to assets of the issuer, and for this reason investment in warrants may be more speculative than other equity-based investments.

Risks of Investing in China. Investments in securities of companies domiciled in the People’s Republic of China (“China” or the “PRC”) involve a high degree of risk and special considerations not typically associated with investing in the U.S. securities markets. Such heightened risks include, among others, an authoritarian government, popular unrest associated with demands for improved political, economic and social conditions, the impact of regional conflict on the economy and hostile relations with neighboring countries.

Military conflicts, either in response to internal social unrest or conflicts with other countries, could disrupt economic development. The Chinese economy is vulnerable to the long-running disagreements with Hong Kong related to integration. China has a complex territorial dispute regarding the sovereignty of Taiwan; Taiwan-based companies and individuals are significant investors in China. Potential military conflict between China and Taiwan may adversely affect securities of Chinese issuers. In addition, China has strained international relations with Japan, India, Russia and other neighbors due to territorial disputes, historical animosities and other defense concerns. China could be affected by military events on the Korean peninsula or internal instability within North Korea. These situations may cause uncertainty in the Chinese market and may adversely affect the performance of the Chinese economy.

The Chinese government has implemented significant economic reforms in order to liberalize trade policy, promote foreign investment in the economy, reduce government control of the economy and develop market mechanisms. But there can be no assurance that these reforms will continue or that they will be effective. Despite reforms and privatizations of companies in certain sectors, the Chinese government still exercises substantial influence over many aspects of the private sector and may own or control many companies. The Chinese government continues to maintain a major role in economic policy making and investing in China involves risks of losses due to expropriation, nationalization, confiscation of assets and property, and the imposition of restrictions on foreign investments and on repatriation of capital invested.

The Chinese government may intervene in the Chinese financial markets, such as by the imposition of trading restrictions, a ban on “naked” short selling or the suspension of short selling for certain stocks. This may affect market price and liquidity of these stocks, and may have an unpredictable impact on the investment activities of the Funds. Furthermore, such market interventions may have a negative impact on market sentiment which may in turn affect the performance of the securities markets and as a result the performance of the Funds.

In addition, there is less regulation and monitoring of the securities markets and the activities of investors, brokers and other participants in China than in the United States. Accordingly, issuers of securities in China are not subject to the same degree of regulation as those in the United States with respect to such matters as insider trading rules, tender offer regulation, stockholder proxy requirements and the requirements mandating timely and accurate disclosure of information. Stock markets in China are in the process of change and further development. This may lead to trading volatility, and difficulties in the settlement and recording of transactions and interpretation and application the relevant regulations. Custodians may not be able to offer the level of service and safe-keeping in relation to the settlement and administration of securities in China that is customary in more developed markets. In particular, there is a risk that a Fund may not be recognized as the owner of securities that are held on behalf of the Fund by a sub-custodian.

The Renminbi (“RMB”) is currently not a freely convertible currency and is subject to foreign exchange control policies and repatriation restrictions imposed by the Chinese government. The imposition of currency controls may negatively impact performance and liquidity of the Funds as capital may become trapped in the PRC. The Funds could be adversely affected by delays in, or a refusal to grant, any required governmental approval for repatriation of capital, as well as by the application to the Funds of any restrictions on investments. Investing in entities either in, or which have a substantial portion of their operations in, the PRC may require the Funds to adopt special procedures, seek local government approvals or take other actions, each of which may involve additional costs and delays to the Funds.

While the Chinese economy has grown rapidly in recent years, there is no assurance that this growth rate will be maintained. China may experience substantial rates of inflation or economic recessions, causing a negative effect on the economy and securities market. China’s economy is heavily dependent on export growth. Reduction in spending on Chinese products and services, institution of tariffs or other trade barriers or a downturn in any of the economies of China’s key trading partners may have an adverse impact on the securities of Chinese issuers. The tax laws and regulations in the PRC are subject to change, including the issuance of authoritative guidance or enforcement, possibly with retroactive effect. The interpretation, applicability and

enforcement of such laws by the PRC tax authorities are not as consistent and transparent as those of more developed nations, and may vary over time and from region to region. The application and enforcement of the PRC tax rules could have a significant adverse effect on a Fund and its investors, particularly in relation to capital gains withholding tax imposed upon non-residents. In addition, the accounting, auditing and financial reporting standards and practices applicable to Chinese companies may be less rigorous, and may result in significant differences between financial statements prepared in accordance with PRC accounting standards and practices and those prepared in accordance with international accounting standards.

Risk of Investing through Stock Connect. China A-shares are equity securities of companies based in China that trade on Chinese stock exchanges such as the Shanghai Stock Exchange (“SSE”) and the Shenzhen Stock Exchange (“SZSE”) (“A-shares”). Foreign investment in A-shares on the SSE and SZSE has historically not been permitted, other than through a license granted under regulations in the PRC known as the Qualified Foreign Institutional Investor and Renminbi Qualified Foreign Institutional Investor systems. Each license permits investment in A-shares only up to a specified quota.

Investment in eligible A-shares listed and traded on the SSE or SZSE is also permitted through the Shanghai-Hong Kong Stock Connect program or the Shenzhen-Hong Kong Stock Connect program, as applicable (each, a “Stock Connect” and collectively, “Stock Connects”). Each Stock Connect is a securities trading and clearing links program established by The Stock Exchange of Hong Kong Limited (“SEHK”), the Hong Kong Securities Clearing Company Limited (“HKSCC”), the SSE or SZSE, as applicable, and China Securities Depository and Clearing Corporation Limited (“CSDCC”) that aims to provide mutual stock market access between the PRC and Hong Kong by permitting investors to trade and settle shares on each market through their local securities brokers. Under Stock Connects, a Fund’s trading of eligible A-shares listed on the SSE or SZSE, as applicable, would be effectuated through its Hong Kong broker and a securities trading service company established by SEHK.

Although no individual investment quotas or licensing requirements apply to investors in Stock Connects, trading through a Stock Connect’s Northbound Trading Link is subject to daily investment quota limitations which require that buy orders for A-shares be rejected once the daily quota is exceeded (although a Fund will be permitted to sell A-shares regardless of the quota). These limitations may restrict a Fund from investing in A-shares on a timely basis, which could affect the Fund’s ability to effectively pursue its investment strategy. Investment quotas are also subject to change. Investment in eligible A-shares through a Stock Connect is subject to trading, clearance and settlement procedures that could pose risks to a Fund. A-shares purchased through Stock Connects generally may not be sold or otherwise transferred other than through Stock Connects in accordance with applicable rules. For example, the PRC regulations require that in order for an investor to sell any A-share on a certain trading day, there must be sufficient A-shares in the investor’s account before the market opens on that day. If there are insufficient A-shares in the investor’s account, the sell order will be rejected by the SSE or SZSE, as applicable. SEHK carries out pre-trade checking on sell orders of certain stocks listed on the SSE market (“SSE Securities”) or SZSE market (“SZSE Securities”) of its participants (i.e., stock brokers) to ensure that this requirement is satisfied. While shares must be designated as eligible to be traded under a Stock Connect, those shares may also lose such designation, and if this occurs, such shares may be sold but cannot be purchased through a Stock Connect. In addition, Stock Connects will only operate on days when both the Chinese and Hong Kong markets are open for trading, and banking services are available in both markets on the corresponding settlement days. Therefore, an investment in A-shares through a Stock Connect may subject a Fund to a risk of price fluctuations on days when the Chinese market is open, but a Stock Connect is not trading. Moreover, day (turnaround) trading is not permitted on the A-shares market. If an investor buys A-shares on day “T,” the investor will only be able to sell the A-shares on or after day T+1. Further, since all trades of eligible A-shares must be settled in RMB, investors must have timely access to a reliable supply of offshore RMB, which cannot be guaranteed. There is also no assurance that RMB will not be subject to devaluation. Any devaluation of RMB could adversely affect a Fund’s investments. If a Fund holds a class of shares denominated in a local currency other than RMB, the Fund will be exposed to currency exchange risk if the Fund converts the local currency into RMB for investments in A-shares. A Fund may also incur conversion costs.

A-shares held through the nominee structure under a Stock Connect will be held through HKSCC as nominee on behalf of investors. The precise nature and rights of a Fund as the beneficial owner of the SSE Securities or SZSE Securities through HKSCC as nominee is not well defined under the PRC laws. There is a lack of a clear definition of, and distinction between, legal ownership and beneficial ownership under the PRC laws and there have been few cases involving a nominee account structure in the PRC courts. The exact nature and methods of enforcement of the rights and interests of a Fund under the PRC laws is also uncertain. In the unlikely event that HKSCC becomes subject to winding up proceedings in Hong Kong, there is a risk that the SSE Securities or SZSE Securities may not be regarded as held for the beneficial ownership of a Fund or as part of the general assets of HKSCC available for general distribution to its creditors. Notwithstanding the fact that HKSCC does not claim proprietary

interests in the SSE Securities or SZSE Securities held in its omnibus stock account in the CSDCC, the CSDCC as the share registrar for SSE- or SZSE-listed companies will still treat HKSCC as one of the shareholders when it handles corporate actions in respect of such SSE Securities or SZSE Securities. HKSCC monitors the corporate actions affecting SSE Securities and SZSE Securities and keeps participants of Central Clearing and Settlement System (“CCASS”) informed of all such corporate actions that require CCASS participants to take steps in order to participate in them. Investors may only exercise their voting rights by providing their voting instructions to HKSCC through participants of CCASS. All voting instructions from CCASS participants will be consolidated by HKSCC, who will then submit a combined single voting instruction to the relevant SSE- or SZSE-listed company.

A Fund’s investments through a Stock Connect’s Northbound Trading Link are not covered by Hong Kong’s Investor Compensation Fund. Hong Kong’s Investor Compensation Fund is established to pay compensation to investors of any nationality who suffer pecuniary losses as a result of default of a licensed intermediary or authorized financial institution in relation to exchange-traded products in Hong Kong. In addition, since a Fund carries out Northbound Trading through securities brokers in Hong Kong but not PRC brokers, it is not protected by the China Securities Investor Protection Fund in the PRC.

Market participants are able to participate in Stock Connects subject to meeting certain information technology capability, risk management and other requirements as may be specified by the relevant exchange and/or clearing house. Further, the “connectivity” in Stock Connects requires routing of orders across the border of Hong Kong and the PRC. This requires the development of new information technology systems on the part of SEHK and exchange participants. There is no assurance that the systems of SEHK and market participants will function properly or will continue to be adapted to changes and developments in both markets. In the event that the relevant systems fail to function properly, trading in A-shares through Stock Connects could be disrupted.

The Shanghai-Hong Kong Stock Connect program launched in November 2014 and the Shenzhen-Hong Kong Stock Connect program launched in December 2016 are both in their initial stages. The current regulations are relatively untested and there is no certainty as to how they will be applied or interpreted going forward. In addition, the current regulations are subject to change and there can be no assurance that a Stock Connect will not be discontinued. New regulations may be issued from time to time by the regulators and stock exchanges in China and Hong Kong in connection with operations, legal enforcement and cross-border trades under Stock Connects. A Fund may be adversely affected as a result of such changes. Furthermore, the securities regimes and legal systems of China and Hong Kong differ significantly and issues may arise from the differences on an on-going basis. In the event that the relevant systems fail to function properly, trading in both markets through Stock Connects could be disrupted and a Fund’s ability to achieve its investment objective may be adversely affected. In addition, a Fund’s investments in A-shares through Stock Connects are generally subject to Chinese securities regulations and listing rules, among other restrictions. Further, different fees, costs and taxes are imposed on foreign investors acquiring A-shares through Stock Connects, and these fees, costs and taxes may be higher than comparable fees, costs and taxes imposed on owners of other securities providing similar investment exposure.

A-Share Market Suspension Risk. A-shares may only be bought from, or sold to, a Fund at times when the relevant A-shares may be sold or purchased on the relevant Chinese stock exchange. The A-shares market has a higher propensity for trading suspensions than many other global equity markets. Trading suspensions in certain stocks could lead to greater market execution risk and costs for a Fund. The SSE and SZSE currently apply a daily price limit, generally set at 10%, of the amount of fluctuation permitted in the prices of A-shares during a single trading day. The daily price limit refers to price movements only and does not restrict trading within the relevant limit. There can be no assurance that a liquid market on an exchange will exist for any particular A-share or for any particular time.

Securities Lending. Each Fund may lend portfolio securities to certain borrowers determined to be creditworthy by BlackRock, including to borrowers affiliated with BlackRock. The borrowers provide collateral that is maintained in an amount at least equal to the current market value of the securities loaned. No securities loan shall be made on behalf of a Fund if, as a result, the aggregate value of all securities loans of the particular Fund exceeds one-third of the value of such Fund’s total assets (including the value of the collateral received). A Fund may terminate a loan at any time and obtain the return of the securities loaned. Each Fund is paid the value of any interest or cash or non-cash distributions paid on the loaned securities that it would have otherwise received if the securities were not on loan.

With respect to loans that are collateralized by cash, the borrower may be entitled to receive a fee based on the amount of cash collateral. The Funds are compensated by the difference between the amount earned on the reinvestment of cash collateral and the fee paid to the borrower. In the case of collateral other than cash, a Fund is compensated by a fee paid by the borrower equal to a percentage of the market value of the loaned securities. Any cash collateral received by the Fund for such loans, and uninvested cash, may be invested, among other things, in a private investment company managed by an affiliate of the Manager or in registered money market funds advised by the Manager or its affiliates; such investments are subject to investment risk.

Securities lending involves exposure to certain risks, including operational risk (*i.e.*, the risk of losses resulting from problems in the settlement and accounting process), “gap” risk (*i.e.*, the risk of a mismatch between the return on cash collateral reinvestments and the fees each Fund has agreed to pay a borrower), and credit, legal, counterparty and market risk. If a securities lending counterparty were to default, a Fund would be subject to the risk of a possible delay in receiving collateral or in recovering the loaned securities, or to a possible loss of rights in the collateral. In the event a borrower does not return a Fund’s securities as agreed, the Fund may experience losses if the proceeds received from liquidating the collateral do not at least equal the value of the loaned security at the time the collateral is liquidated, plus the transaction costs incurred in purchasing replacement securities. This event could trigger adverse tax consequences for a Fund. A Fund could lose money if its short-term investment of the collateral declines in value over the period of the loan. Substitute payments for dividends received by a Fund for securities loaned out by the Fund will not be considered qualified dividend income. The securities lending agent will take the tax effects on shareholders of this difference into account in connection with the Fund’s securities lending program. Substitute payments received on tax-exempt securities loaned out will not be tax-exempt income.

Regulations adopted by prudential regulators that will begin to take effect in 2019 will require certain bank-regulated counterparties and certain of their affiliates to include in certain financial contracts, including many securities lending agreements, terms that delay or restrict the rights of counterparties, such as a Fund, to terminate such agreements, foreclose upon collateral, exercise other default rights or restrict transfers of credit support in the event that the counterparty and/or its affiliates are subject to certain types of resolution or insolvency proceedings. It is possible that these new requirements, as well as potential additional government regulation and other developments in the market, could adversely affect a Fund’s ability to terminate existing securities lending agreements or to realize amounts to be received under such agreements.

Securities of Smaller or Emerging Growth Companies. Investment in smaller or emerging growth companies involves greater risk than is customarily associated with investments in more established companies. The securities of smaller or emerging growth companies may be subject to more abrupt or erratic market movements than larger, more established companies or the market average in general. These companies may have limited product lines, markets or financial resources, or they may be dependent on a limited management group.

While smaller or emerging growth company issuers may offer greater opportunities for capital appreciation than large cap issuers, investments in smaller or emerging growth companies may involve greater risks and thus may be considered speculative. Fund management believes that properly selected companies of this type have the potential to increase their earnings or market valuation at a rate substantially in excess of the general growth of the economy. Full development of these companies and trends frequently takes time.

Small cap and emerging growth securities will often be traded only in the OTC market or on a regional securities exchange and may not be traded every day or in the volume typical of trading on a national securities exchange. As a result, the disposition by a Fund of portfolio securities to meet redemptions or otherwise may require the Fund to make many small sales over a lengthy period of time, or to sell these securities at a discount from market prices or during periods when, in Fund management’s judgment, such disposition is not desirable.

The process of selection and continuous supervision by Fund management does not, of course, guarantee successful investment results; however, it does provide access to an asset class not available to the average individual due to the time and cost involved. Careful initial selection is particularly important in this area as many new enterprises have promise but lack certain of the fundamental factors necessary to prosper. Investing in small cap and emerging growth companies requires specialized research and analysis. In addition, many investors cannot invest sufficient assets in such companies to provide wide diversification.

Small companies are generally little known to most individual investors although some may be dominant in their respective industries. Fund management believes that relatively small companies will continue to have the opportunity to develop into significant business enterprises. A Fund may invest in securities of small issuers in the relatively early stages of business development that have a new technology, a unique or proprietary product or service, or a favorable market position. Such companies may not be counted upon to develop into major industrial companies, but Fund management believes that eventual recognition of their special value characteristics by the investment community can provide above-average long-term growth to the portfolio.

Equity securities of specific small cap issuers may present different opportunities for long-term capital appreciation during varying portions of economic or securities market cycles, as well as during varying stages of their business development. The market valuation of small cap issuers tends to fluctuate during economic or market cycles, presenting attractive investment opportunities at various points during these cycles.

Smaller companies, due to the size and kinds of markets that they serve, may be less susceptible than large companies to intervention from the Federal government by means of price controls, regulations or litigation.

Short Sales. Certain Funds may make short sales of securities, either as a hedge against potential declines in value of a portfolio security or to realize appreciation when a security that the Fund does not own declines in value. Certain Funds have a fundamental investment restriction prohibiting short sales of securities other than short sales against-the-box. In a short sale against-the-box, at the time of the sale, the Fund owns or has the immediate and unconditional right to acquire the identical security at no additional cost. When a Fund makes a short sale, it borrows the security sold short and delivers it to the broker-dealer through which it made the short sale. A Fund may have to pay a fee to borrow particular securities and is often obligated to turn over any payments received on such borrowed securities to the lender of the securities.

A Fund secures its obligation to replace the borrowed security by depositing collateral with the broker-dealer, usually in cash, U.S. Government securities or other liquid securities similar to those borrowed. With respect to uncovered short positions, a Fund is required to deposit similar collateral with its custodian, if necessary, to the extent that the value of both collateral deposits in the aggregate is at all times equal to at least 100% of the current market value of the security sold short. Depending on arrangements made with the broker-dealer from which the Fund borrowed the security, regarding payment received by the Fund on such security, a Fund may not receive any payments (including interest) on its collateral deposited with such broker-dealer.

Because making short sales in securities that it does not own exposes a Fund to the risks associated with those securities, such short sales involve speculative exposure risk. A Fund will incur a loss as a result of a short sale if the price of the security increases between the date of the short sale and the date on which the Fund replaces the borrowed security. As a result, if a Fund makes short sales in securities that increase in value, it will likely underperform similar mutual funds that do not make short sales in securities. A Fund will realize a gain on a short sale if the security declines in price between those dates. There can be no assurance that a Fund will be able to close out a short sale position at any particular time or at an acceptable price. Although a Fund's gain is limited to the price at which it sold the security short, its potential loss is limited only by the maximum attainable price of the security, less the price at which the security was sold and may, theoretically, be unlimited.

Sovereign Debt. Investment in sovereign debt can involve a high degree of risk. The governmental entity that controls the repayment of sovereign debt may not be able or willing to repay the principal and/or interest when due in accordance with the terms of such debt. A governmental entity's willingness or ability to repay principal and interest due in a timely manner may be affected by, among other factors, its cash flow situation, the extent of its foreign reserves, the availability of sufficient foreign exchange on the date a payment is due, the relative size of the debt service burden to the economy as a whole, the governmental entity's policy towards the International Monetary Fund and the political constraints to which a governmental entity may be subject. Governmental entities may also be dependent on expected disbursements from foreign governments, multilateral agencies and others abroad to reduce principal and interest arrearages on their debt. The commitment on the part of these governments, agencies and others to make such disbursements may be conditioned on the implementation of economic reforms and/or economic performance and the timely service of such debtor's obligations. Failure to implement such reforms, achieve such levels of economic performance or repay principal or interest when due may result in the cancellation of such third parties' commitments to lend funds to the governmental entity, which may further impair such debtor's ability or willingness to timely service its debts. Consequently, governmental entities may default on their sovereign debt.

Holders of sovereign debt may be requested to participate in the rescheduling of such debt and to extend further loans to governmental entities. In the event of a default by a governmental entity, there may be few or no effective legal remedies for collecting on such debt.

Standby Commitment Agreements. Standby commitment agreements commit a Fund, for a stated period of time, to purchase a stated amount of securities that may be issued and sold to that Fund at the option of the issuer. The price of the security is fixed at the time of the commitment. At the time of entering into the agreement, the Fund is paid a commitment fee, regardless of whether or not the security is ultimately issued. A Fund will enter into such agreements for the purpose of investing in the security underlying the commitment at a price that is considered advantageous to the Fund. A Fund will limit its investment in such commitments so that the aggregate purchase price of securities subject to such commitments, together with the value of the Fund's other illiquid investments, will not exceed 15% of its net assets taken at the time of the commitment. A Fund segregates liquid assets in an aggregate amount equal to the purchase price of the securities underlying the commitment.

There can be no assurance that the securities subject to a standby commitment will be issued, and the value of the security, if issued, on the delivery date may be more or less than its purchase price. Since the issuance of the security underlying the

commitment is at the option of the issuer, the Fund may bear the risk of a decline in the value of such security and may not benefit from an appreciation in the value of the security during the commitment period.

The purchase of a security pursuant to a standby commitment agreement and the related commitment fee will be recorded on the date on which the security can reasonably be expected to be issued, and the value of the security thereafter will be reflected in the calculation of a Fund's net asset value. The cost basis of the security will be adjusted by the amount of the commitment fee. In the event the security is not issued, the commitment fee will be recorded as income on the expiration date of the standby commitment.

Stand-by commitments will only be entered into with dealers, banks and broker-dealers which, in the Manager's or sub-adviser's opinion, present minimal credit risks. A Fund will acquire stand-by commitments solely to facilitate portfolio liquidity and not to exercise its rights thereunder for trading purposes. Stand-by commitments will be valued at zero in determining net asset value. Accordingly, where a Fund pays directly or indirectly for a stand-by commitment, its cost will be reflected as an unrealized loss for the period during which the commitment is held by such Fund and will be reflected as a realized gain or loss when the commitment is exercised or expires.

Stripped Securities. Stripped securities are created when the issuer separates the interest and principal components of an instrument and sells them as separate securities. In general, one security is entitled to receive the interest payments on the underlying assets (the interest only or "IO" security) and the other to receive the principal payments (the principal only or "PO" security). Some stripped securities may receive a combination of interest and principal payments. The yields to maturity on IOs and POs are sensitive to the expected or anticipated rate of principal payments (including prepayments) on the related underlying assets, and principal payments may have a material effect on yield to maturity. If the underlying assets experience greater than anticipated prepayments of principal, a Fund may not fully recoup its initial investment in IOs. Conversely, if the underlying assets experience less than anticipated prepayments of principal, the yield on POs could be adversely affected. Stripped securities may be highly sensitive to changes in interest rates and rates of prepayment.

Structured Notes. Structured notes and other related instruments purchased by a Fund are generally privately negotiated debt obligations where the principal and/or interest is determined by reference to the performance of a specific asset, benchmark asset, market or interest rate ("reference measure"). Issuers of structured notes include corporations and banks. The interest rate or the principal amount payable upon maturity or redemption may increase or decrease, depending upon changes in the value of the reference measure. The terms of a structured note may provide that, in certain circumstances, no principal is due at maturity and, therefore, may result in a loss of invested capital by a Fund. The interest and/or principal payments that may be made on a structured product may vary widely, depending on a variety of factors, including the volatility of the reference measure.

Structured notes may be positively or negatively indexed, so the appreciation of the reference measure may produce an increase or a decrease in the interest rate or the value of the principal at maturity. The rate of return on structured notes may be determined by applying a multiplier to the performance or differential performance of reference measures. Application of a multiplier involves leverage that will serve to magnify the potential for gain and the risk of loss.

The purchase of structured notes exposes a Fund to the credit risk of the issuer of the structured product. Structured notes may also be more volatile, less liquid, and more difficult to price accurately than less complex securities and instruments or more traditional debt securities. The secondary market for structured notes could be illiquid making them difficult to sell when the Fund determines to sell them. The possible lack of a liquid secondary market for structured notes and the resulting inability of the Fund to sell a structured note could expose the Fund to losses and could make structured notes more difficult for the Fund to value accurately.

Supranational Entities. A Fund may invest in debt securities of supranational entities. Examples of such entities include the International Bank for Reconstruction and Development (the World Bank), the European Steel and Coal Community, the Asian Development Bank and the Inter-American Development Bank. The government members, or "stockholders," usually make initial capital contributions to the supranational entity and in many cases are committed to make additional capital contributions if the supranational entity is unable to repay its borrowings. There is no guarantee that one or more stockholders of a supranational entity will continue to make any necessary additional capital contributions. If such contributions are not made, the entity may be unable to pay interest or repay principal on its debt securities, and a Fund may lose money on such investments.

Trust Preferred Securities. Certain of the Funds may invest in trust preferred securities. Trust preferred securities are typically issued by corporations, generally in the form of interest bearing notes with preferred securities characteristics, or by an affiliated business trust of a corporation, generally in the form of beneficial interests in subordinated debentures or similarly structured

securities. The trust preferred securities market consists of both fixed and adjustable coupon rate securities that are either perpetual in nature or have stated maturity dates.

Trust preferred securities are typically junior and fully subordinated liabilities of an issuer and benefit from a guarantee that is junior and fully subordinated to the other liabilities of the guarantor. In addition, trust preferred securities typically permit an issuer to defer the payment of income for five years or more without triggering an event of default. Because of their subordinated position in the capital structure of an issuer, the ability to defer payments for extended periods of time without default consequences to the issuer, and certain other features (such as restrictions on common dividend payments by the issuer or ultimate guarantor when full cumulative payments on the trust preferred securities have not been made), these trust preferred securities are often treated as close substitutes for traditional preferred securities, both by issuers and investors.

Trust preferred securities include but are not limited to trust originated preferred securities (“TOPRS®”); monthly income preferred securities (“MIPS®”); quarterly income bond securities (“QUIBS®”); quarterly income debt securities (“QUIDS®”); quarterly income preferred securities (“QUIPSSM”); corporate trust securities (“CORTS®”); public income notes (“PINES®”); and other trust preferred securities.

Trust preferred securities are typically issued with a final maturity date, although some are perpetual in nature. In certain instances, a final maturity date may be extended and/or the final payment of principal may be deferred at the issuer’s option for a specified time without default. No redemption can typically take place unless all cumulative payment obligations have been met, although issuers may be able to engage in open-market repurchases without regard to whether all payments have been paid.

Many trust preferred securities are issued by trusts or other special purpose entities established by operating companies and are not a direct obligation of an operating company. At the time the trust or special purpose entity sells such preferred securities to investors, it purchases debt of the operating company (with terms comparable to those of the trust or special purpose entity securities), which enables the operating company to deduct for tax purposes the interest paid on the debt held by the trust or special purpose entity. The trust or special purpose entity is generally required to be treated as transparent for U.S. federal income tax purposes such that the holders of the trust preferred securities are treated as owning beneficial interests in the underlying debt of the operating company. Accordingly, payments on the trust preferred securities are treated as interest rather than dividends for U.S. federal income tax purposes. The trust or special purpose entity in turn would be a holder of the operating company’s debt and would have priority with respect to the operating company’s earnings and profits over the operating company’s common shareholders, but would typically be subordinated to other classes of the operating company’s debt. Typically a preferred share has a rating that is slightly below that of its corresponding operating company’s senior debt securities.

U.S. Government Obligations. A Fund may purchase obligations issued or guaranteed by the U.S. Government and U.S. Government agencies and instrumentalities. Obligations of certain agencies and instrumentalities of the U.S. Government are supported by the full faith and credit of the U.S. Treasury. Others are supported by the right of the issuer to borrow from the U.S. Treasury; and still others are supported only by the credit of the agency or instrumentality issuing the obligation. No assurance can be given that the U.S. Government will provide financial support to U.S. Government-sponsored instrumentalities if it is not obligated to do so by law. Certain U.S. Treasury and agency securities may be held by trusts that issue participation certificates (such as Treasury income growth receipts (“TIGRs”) and certificates of accrual on Treasury certificates (“CATs”)). These certificates, as well as Treasury receipts and other stripped securities, represent beneficial ownership interests in either future interest payments or the future principal payments on U.S. Government obligations. These instruments are issued at a discount to their “face value” and may (particularly in the case of stripped mortgage-backed securities) exhibit greater price volatility than ordinary debt securities because of the manner in which their principal and interest are returned to investors.

Examples of the types of U.S. Government obligations that may be held by the Funds include U.S. Treasury Bills, Treasury Notes and Treasury Bonds and the obligations of the Federal Housing Administration, Farmers Home Administration, Export-Import Bank of the United States, Small Business Administration, Ginnie Mae, Fannie Mae, Federal Financing Bank, General Services Administration, Student Loan Marketing Association, Central Bank for Cooperatives, Federal Home Loan Banks, Freddie Mac, Federal Intermediate Credit Banks, Federal Land Banks, Farm Credit Banks System, Maritime Administration, Tennessee Valley Authority and Washington D.C. Armory Board. The Funds may also invest in mortgage-related securities issued or guaranteed by U.S. Government agencies and instrumentalities, including such instruments as obligations of the Ginnie Mae, Fannie Mae and Freddie Mac. See “Mortgage-Backed Securities” above.

U.S. Treasury Obligations. Treasury obligations may differ in their interest rates, maturities, times of issuance and other characteristics. Obligations of U.S. Government agencies and authorities are supported by varying degrees of credit but generally

are not backed by the full faith and credit of the U.S. Government. No assurance can be given that the U.S. Government will provide financial support to its agencies and authorities if it is not obligated by law to do so.

Utility Industries. Risks that are intrinsic to the utility industries include difficulty in obtaining an adequate return on invested capital, difficulty in financing large construction programs during an inflationary period, restrictions on operations and increased cost and delays attributable to environmental considerations and regulation, difficulty in raising capital in adequate amounts on reasonable terms in periods of high inflation and unsettled capital markets, technological innovations that may render existing plants, equipment or products obsolete, the potential impact of natural or man-made disasters, increased costs and reduced availability of certain types of fuel, occasional reduced availability and high costs of natural gas for resale, the effects of energy conservation, the effects of a national energy policy and lengthy delays and greatly increased costs and other problems associated with the design, construction, licensing, regulation and operation of nuclear facilities for electric generation, including, among other considerations, the problems associated with the use of radioactive materials and the disposal of radioactive wastes. There are substantial differences among the regulatory practices and policies of various jurisdictions, and any given regulatory agency may make major shifts in policy from time to time. There is no assurance that regulatory authorities will, in the future, grant rate increases or that such increases will be adequate to permit the payment of dividends on common stocks issued by a utility company. Additionally, existing and possible future regulatory legislation may make it even more difficult for utilities to obtain adequate relief. Certain of the issuers of securities held in the Fund's portfolio may own or operate nuclear generating facilities. Governmental authorities may from time to time review existing policies and impose additional requirements governing the licensing, construction and operation of nuclear power plants. Prolonged changes in climatic conditions can also have a significant impact on both the revenues of an electric and gas utility as well as the expenses of a utility, particularly a hydro-based electric utility.

Utility companies in the United States and in foreign countries are generally subject to regulation. In the United States, most utility companies are regulated by state and/or federal authorities. Such regulation is intended to ensure appropriate standards of service and adequate capacity to meet public demand. Generally, prices are also regulated in the United States and in foreign countries with the intention of protecting the public while ensuring that the rate of return earned by utility companies is sufficient to allow them to attract capital in order to grow and continue to provide appropriate services. There can be no assurance that such pricing policies or rates of return will continue in the future.

The nature of regulation of the utility industries continues to evolve both in the United States and in foreign countries. In recent years, changes in regulation in the United States increasingly have allowed utility companies to provide services and products outside their traditional geographic areas and lines of business, creating new areas of competition within the industries. In some instances, utility companies are operating on an unregulated basis. Because of trends toward deregulation and the evolution of independent power producers as well as new entrants to the field of telecommunications, non-regulated providers of utility services have become a significant part of their respective industries. The Manager believes that the emergence of competition and deregulation will result in certain utility companies being able to earn more than their traditional regulated rates of return, while others may be forced to defend their core business from increased competition and may be less profitable. Reduced profitability, as well as new uses of funds (such as for expansion, operations or stock buybacks) could result in cuts in dividend payout rates. The Manager seeks to take advantage of favorable investment opportunities that may arise from these structural changes. Of course, there can be no assurance that favorable developments will occur in the future.

Foreign utility companies are also subject to regulation, although such regulations may or may not be comparable to those in the United States. Foreign utility companies may be more heavily regulated by their respective governments than utilities in the United States and, as in the United States, generally are required to seek government approval for rate increases. In addition, many foreign utilities use fuels that may cause more pollution than those used in the United States, which may require such utilities to invest in pollution control equipment to meet any proposed pollution restrictions. Foreign regulatory systems vary from country to country and may evolve in ways different from regulation in the United States.

A Fund's investment policies are designed to enable it to capitalize on evolving investment opportunities throughout the world. For example, the rapid growth of certain foreign economies will necessitate expansion of capacity in the utility industries in those countries. Although many foreign utility companies currently are government-owned, thereby limiting current investment opportunities for a Fund, the Manager believes that, in order to attract significant capital for growth, foreign governments are likely to seek global investors through the privatization of their utility industries. Privatization, which refers to the trend toward investor ownership of assets rather than government ownership, is expected to occur in newer, faster-growing economies and in mature economies. Of course, there is no assurance that such favorable developments will occur or that investment opportunities in foreign markets will increase.

The revenues of domestic and foreign utility companies generally reflect the economic growth and development in the geographic areas in which they do business. The Manager will take into account anticipated economic growth rates and other economic developments when selecting securities of utility companies.

Electric. The electric utility industry consists of companies that are engaged principally in the generation, transmission and sale of electric energy, although many also provide other energy-related services. In the past, electric utility companies, in general, have been favorably affected by lower fuel and financing costs and the full or near completion of major construction programs. In addition, many of these companies have generated cash flows in excess of current operating expenses and construction expenditures, permitting some degree of diversification into unregulated businesses. Some electric utilities have also taken advantage of the right to sell power outside of their traditional geographic areas. Electric utility companies have historically been subject to the risks associated with increases in fuel and other operating costs, high interest costs on borrowings needed for capital construction programs, costs associated with compliance with environmental and safety regulations and changes in the regulatory climate. As interest rates declined, many utilities refinanced high cost debt and in doing so improved their fixed charges coverage. Regulators, however, lowered allowed rates of return as interest rates declined and thereby caused the benefits of the rate declines to be shared wholly or in part with customers. In a period of rising interest rates, the allowed rates of return may not keep pace with the utilities' increased costs. The construction and operation of nuclear power facilities are subject to strict scrutiny by, and evolving regulations of, the Nuclear Regulatory Commission and state agencies which have comparable jurisdiction. Strict scrutiny might result in higher operating costs and higher capital expenditures, with the risk that the regulators may disallow inclusion of these costs in rate authorizations or the risk that a company may not be permitted to operate or complete construction of a facility. In addition, operators of nuclear power plants may be subject to significant costs for disposal of nuclear fuel and for decommissioning such plants.

The rating agencies look closely at the business profile of utilities. Ratings for companies are expected to be impacted to a greater extent in the future by the division of their asset base. Electric utility companies that focus more on the generation of electricity may be assigned less favorable ratings as this business is expected to be competitive and the least regulated. On the other hand, companies that focus on transmission and distribution, which is expected to be the least competitive and the more regulated part of the business, may see higher ratings given the greater predictability of cash flow.

A number of states are considering or have enacted deregulation proposals. The introduction of competition into the industry as a result of such deregulation has at times resulted in lower revenue, lower credit ratings, increased default risk, and lower electric utility security prices. Such increased competition may also cause long-term contracts, which electric utilities previously entered into to buy power, to become "stranded assets" which have no economic value. Any loss associated with such contracts must be absorbed by ratepayers and investors. In addition, some electric utilities have acquired electric utilities overseas to diversify, enhance earnings and gain experience in operating in a deregulated environment. In some instances, such acquisitions have involved significant borrowings, which have burdened the acquirer's balance sheet. There is no assurance that current deregulation proposals will be adopted. However, deregulation in any form could significantly impact the electric utilities industry.

Telecommunications. The telecommunications industry today includes both traditional telephone companies, with a history of broad market coverage and highly regulated businesses, and cable companies, which began as small, lightly regulated businesses focused on limited markets. Today these two historically different businesses are converging in an industry that is trending toward larger, competitive national and international markets with an emphasis on deregulation. Companies that distribute telephone services and provide access to the telephone networks still comprise the greatest portion of this segment, but non-regulated activities such as wireless telephone services, paging, data transmission and processing, equipment retailing, computer software and hardware and internet services are becoming increasingly significant components as well. In particular, wireless and internet telephone services continue to gain market share at the expense of traditional telephone companies. The presence of unregulated companies in this industry and the entry of traditional telephone companies into unregulated or less regulated businesses provide significant investment opportunities with companies that may increase their earnings at faster rates than had been allowed in traditional regulated businesses. Still, increasing competition, technological innovations and other structural changes could adversely affect the profitability of such utilities and the growth rate of their dividends. Given mergers and proposed legislation and enforcement changes, it is likely that both traditional telephone companies and cable companies will continue to provide an expanding range of utility services to both residential, corporate and governmental customers.

Gas. Gas transmission companies and gas distribution companies are undergoing significant changes. In the United States, interstate transmission companies are regulated by the Federal Energy Regulatory Commission, which is reducing its regulation of the industry. Many companies have diversified into oil and gas exploration and development, making returns more sensitive to

energy prices. In the recent decade, gas utility companies have been adversely affected by disruptions in the oil industry and have also been affected by increased concentration and competition. In the opinion of the Manager, however, environmental considerations could improve the gas industry outlook in the future. For example, natural gas is the cleanest of the hydrocarbon fuels, and this may result in incremental shifts in fuel consumption toward natural gas and away from oil and coal, even for electricity generation. However, technological or regulatory changes within the industry may delay or prevent this result.

Water. Water supply utilities are companies that collect, purify, distribute and sell water. In the United States and around the world the industry is highly fragmented because most of the supplies are owned by local authorities. Companies in this industry are generally mature and are experiencing little or no per capita volume growth. In the opinion of the Manager, there may be opportunities for certain companies to acquire other water utility companies and for foreign acquisition of domestic companies. The Manager believes that favorable investment opportunities may result from consolidation of this segment. As with other utilities, however, increased regulation, increased costs and potential disruptions in supply may adversely affect investments in water supply utilities.

Utility Industries Generally. There can be no assurance that the positive developments noted above, including those relating to privatization and changing regulation, will occur or that risk factors other than those noted above will not develop in the future.

When-Issued Securities, Delayed Delivery Securities and Forward Commitments. A Fund may purchase or sell securities that it is entitled to receive on a when issued basis. A Fund may also purchase or sell securities on a delayed delivery basis or through a forward commitment (including on a “TBA” (to be announced) basis). These transactions involve the purchase or sale of securities by a Fund at an established price with payment and delivery taking place in the future. The Fund enters into these transactions to obtain what is considered an advantageous price to the Fund at the time of entering into the transaction. When a Fund purchases securities in these transactions, the Fund segregates liquid securities in an amount equal to the amount of its purchase commitments.

Pursuant to recommendations of the Treasury Market Practices Group, which is sponsored by the Federal Reserve Bank of New York, beginning January 1, 2014, a Fund or its counterparty generally will be required to post collateral when entering into certain forward-settling transactions, including without limitation TBA transactions.

There can be no assurance that a security purchased on a when issued basis will be issued or that a security purchased or sold on a delayed delivery basis or through a forward commitment will be delivered. Also, the value of securities in these transactions on the delivery date may be more or less than the price paid by the Fund to purchase the securities. The Fund will lose money if the value of the security in such a transaction declines below the purchase price and will not benefit if the value of the security appreciates above the sale price during the commitment period.

If deemed advisable as a matter of investment strategy, a Fund may dispose of or renegotiate a commitment after it has been entered into, and may sell securities it has committed to purchase before those securities are delivered to the Fund on the settlement date. In these cases the Fund may realize a taxable capital gain or loss.

When a Fund engages in when-issued, TBA or forward commitment transactions, it relies on the other party to consummate the trade. Failure of such party to do so may result in the Fund’s incurring a loss or missing an opportunity to obtain a price considered to be advantageous.

The market value of the securities underlying a commitment to purchase securities, and any subsequent fluctuations in their market value, is taken into account when determining the market value of a Fund starting on the day the Fund agrees to purchase the securities. The Fund does not earn interest on the securities it has committed to purchase until they are paid for and delivered on the settlement date.

Regulations adopted by prudential regulators that will begin to take effect in 2019 will require certain bank-regulated counterparties and certain of their affiliates to include in certain financial contracts, including many agreements with respect to when issued, TBA and forward commitment transactions, terms that delay or restrict the rights of counterparties, such as a Fund, to terminate such agreements, foreclose upon collateral, exercise other default rights or restrict transfers of credit support in the event that the counterparty and/or its affiliates are subject to certain types of resolution or insolvency proceedings. It is possible that these new requirements, as well as potential additional government regulation and other developments in the market, could adversely affect a Fund’s ability to terminate existing agreements with respect to these transactions or to realize amounts to be received under such agreements.

Yields and Ratings. The yields on certain obligations are dependent on a variety of factors, including general market conditions, conditions in the particular market for the obligation, the financial condition of the issuer, the size of the offering, the maturity of the obligation and the ratings of the issue. The ratings of Moody's, Fitch and S&P represent their respective opinions as to the quality of the obligations they undertake to rate. Ratings, however, are general and are not absolute standards of quality. Consequently, obligations with the same rating, maturity and interest rate may have different market prices. Subsequent to its purchase by a Fund, a rated security may cease to be rated. A Fund's Manager or sub-adviser will consider such an event in determining whether the Fund should continue to hold the security.

Zero Coupon Securities. Zero coupon securities are securities that are sold at a discount to par value and do not pay interest during the life of the security. The discount approximates the total amount of interest the security will accrue and compound over the period until maturity at a rate of interest reflecting the market rate of the security at the time of issuance. Upon maturity, the holder of a zero coupon security is entitled to receive the par value of the security.

While interest payments are not made on such securities, holders of such securities are deemed to have received income ("phantom income") annually, notwithstanding that cash may not be received currently. The effect of owning instruments that do not make current interest payments is that a fixed yield is earned not only on the original investment but also, in effect, on all discount accretion during the life of the obligations. This implicit reinvestment of earnings at a fixed rate eliminates the risk of being unable to invest distributions at a rate as high as the implicit yield on the zero coupon bond, but at the same time eliminates the holder's ability to reinvest at higher rates in the future. For this reason, some of these securities may be subject to substantially greater price fluctuations during periods of changing market interest rates than are comparable securities that pay interest currently. Longer term zero coupon bonds are more exposed to interest rate risk than shorter term zero coupon bonds. These investments benefit the issuer by mitigating its need for cash to meet debt service, but also require a higher rate of return to attract investors who are willing to defer receipt of cash.

A Fund accrues income with respect to these securities for U.S. federal income tax and accounting purposes prior to the receipt of cash payments. Zero coupon securities may be subject to greater fluctuation in value and less liquidity in the event of adverse market conditions than comparably rated securities that pay cash interest at regular intervals.

Further, to maintain its qualification for pass-through treatment under the U.S. federal tax laws, a Fund is required to distribute income to its shareholders and, consequently, may have to dispose of other, more liquid portfolio securities under disadvantageous circumstances or may have to leverage itself by borrowing in order to generate the cash to satisfy these distributions. The required distributions may result in an increase in a Fund's exposure to zero coupon securities.

In addition to the above-described risks, there are certain other risks related to investing in zero coupon securities. During a period of severe market conditions, the market for such securities may become even less liquid. In addition, as these securities do not pay cash interest, a Fund's investment exposure to these securities and their risks, including credit risk, will increase during the time these securities are held in the Fund's portfolio.

Suitability (All Funds)

The economic benefit of an investment in any Fund depends upon many factors beyond the control of the Fund, the Manager and its affiliates. Each Fund should be considered a vehicle for diversification and not as a balanced investment program. The suitability for any particular investor of a purchase of shares in a Fund will depend upon, among other things, such investor's investment objectives and such investor's ability to accept the risks associated with investing in securities, including the risk of loss of principal.

Investment Restrictions (All Funds)

See "Investment Restrictions" in Part I of each Fund's SAI for the specific fundamental and non-fundamental investment restrictions adopted by each Fund. In addition to those investment restrictions, each Fund is also subject to the restrictions discussed below.

The staff of the Commission has taken the position that purchased OTC options and the assets used as cover for written OTC options are illiquid securities. For these purposes, "cover" refers to the method selected from time to time by a Fund to cover its obligations under the OTC options written by it. Therefore, each Fund will not purchase or sell OTC options (including OTC options on futures contracts) if, as a result of any such transaction, the sum of the market value of OTC options currently

outstanding that are held by the Fund and the market value of the assets used as cover for OTC options currently outstanding that were sold by the Fund would exceed 15% of the net assets of the Fund, taken at market value, together with all other assets of the Fund that are determined to be illiquid.

However, if an OTC option is sold by a Fund to a primary U.S. Government securities dealer recognized by the Federal Reserve Bank of New York and if the Fund has the unconditional contractual right to repurchase such OTC option from the dealer at a predetermined price, then the Fund will only treat as illiquid that portion of the assets used as cover equal to the repurchase price of the option less the amount by which the option is “in-the-money” (*i.e.*, current market value of the underlying securities minus the option’s strike price). The repurchase price with the primary dealers is typically a formula price that is generally based on a multiple of the premium received for the option, plus the amount by which the option is “in-the-money.”

Each Fund’s investments will be limited in order to allow the Fund to qualify as a “regulated investment company” for purposes of the Code. See “Dividends and Taxes — Taxes.” To qualify, among other requirements, each Fund will limit its investments so that, at the close of each quarter of the taxable year, (i) at least 50% of the market value of each Fund’s assets is represented by cash, securities of other regulated investment companies, U.S. government securities and other securities, with such other securities limited, in respect of any one issuer, to an amount not greater in value than 5% of the Fund’s assets and not greater than 10% of the outstanding voting securities of such issuer and (ii) not more than 25% of the value of its assets is invested in the securities (other than U.S. government securities or securities of other regulated investment companies) of any one issuer, any two or more issuers that the Fund controls and that are determined to be engaged in the same or similar trades or businesses or related trades or businesses or in the securities of one or more qualified publicly traded partnerships (*i.e.*, partnerships that are traded on an established securities market or tradable on a secondary market, other than partnerships that derive 90% of their income from interest, dividends, capital gains, and other traditionally permitted mutual fund income).

Foreign government securities (unlike U.S. government securities) are not exempt from the 5%, 10% and 25% diversification requirements of the Code discussed above and the securities of each foreign government issuer are considered to be obligations of a single issuer. These tax-related limitations may be changed by the Directors of a Fund to the extent necessary to comply with changes to the U.S. federal tax requirements. A Fund that is “diversified” under the Investment Company Act must satisfy the foregoing 5% and 10% requirements with respect to 75% of its total assets.

MANAGEMENT AND OTHER SERVICE ARRANGEMENTS

Directors and Officers

See “Information on Directors and Officers, ‘— Biographical Information,’ ‘— Share Ownership’ and ‘— Compensation of Directors’” in Part I of each Fund’s SAI for biographical and certain other information relating to the Directors and officers of your Fund, including Directors’ compensation.

Management Arrangements

Management Services. The Manager provides each Fund with investment advisory and management services. Subject to the oversight of the Board of Directors, the Manager is responsible for the actual management of a Fund’s portfolio and reviews the Fund’s holdings in light of its own research analysis and that from other relevant sources.

The responsibility for making decisions to buy, sell or hold a particular security rests with the Manager. The Manager performs certain of the other administrative services and provides all the office space, facilities, equipment and necessary personnel for management of each Fund.

Each Feeder Fund invests all or a portion of its assets in shares of a Master Portfolio. To the extent a Feeder Fund invests all of its assets in a Master Portfolio, it does not invest directly in portfolio securities and does not require management services. For such Feeder Funds, portfolio management occurs at the Master Portfolio level.

Management Fee. Each Fund has entered into a Management Agreement with the Manager pursuant to which the Manager receives for its services to the Fund monthly compensation at an annual rate based on the average daily net assets of the Fund. For information regarding specific fee rates for your Fund and the fees paid by your Fund to the Manager for the Fund’s last three fiscal years or other applicable periods, see “Management and Advisory Arrangements” in Part I of each Fund’s SAI.

For Funds that do not have an administrator, each Management Agreement obligates the Manager to provide management services and to pay all compensation of and furnish office space for officers and employees of a Fund in connection with investment and economic research, trading and investment management of the Fund, as well as the fees of all Directors of the Fund who are interested persons of the Fund. Each Fund pays all other expenses incurred in the operation of that Fund, including among other things: taxes; expenses for legal and auditing services; costs of preparing, printing and mailing proxies, shareholder reports, prospectuses and statements of additional information, except to the extent paid by BlackRock Investments, LLC (“BRIL” or the “Distributor”); charges of the custodian and sub-custodian, and the transfer agent; expenses of redemption of shares; Commission fees; expenses of registering the shares under Federal, state or foreign laws; fees and expenses of Directors who are not interested persons of a Fund as defined in the Investment Company Act; accounting and pricing costs (including the daily calculations of net asset value); insurance; interest; brokerage costs; litigation and other extraordinary or non-recurring expenses; and other expenses properly payable by the Fund. Certain accounting services are provided to each Fund by State Street Bank and Trust Company (“State Street”), BNY Mellon Investment Servicing (US) Inc. (“BNY Mellon”) or JPMorgan Chase Bank, N.A. (“JPM”) pursuant to an agreement between State Street, BNY Mellon or JPM and each Fund. Each Fund pays a fee for these services. In addition, the Manager provides certain accounting services to each Fund and the Fund pays the Manager a fee for such services. The Distributor pays certain promotional expenses of the Funds incurred in connection with the offering of shares of the Funds. Certain expenses are financed by each Fund pursuant to distribution plans in compliance with Rule 12b-1 under the Investment Company Act. See “Purchase of Shares — Distribution and/or Shareholder Servicing Plans.”

Sub-Advisory Fee. The Manager of certain Funds has entered into one or more sub-advisory agreements (the “Sub-Advisory Agreements”) with the sub-adviser or sub-advisers identified in each such Fund’s Prospectus (the “Sub-Adviser”) pursuant to which the Sub-Adviser provides sub-advisory services to the Manager with respect to the Fund. For information relating to the fees, if any, paid by the Manager to the Sub-Adviser pursuant to the Sub-Advisory Agreement for the Fund’s last three fiscal years or other applicable periods, see “Management and Advisory Arrangements” in Part I of each Fund’s SAI.

Organization of the Manager. BlackRock Advisors, LLC is a Delaware limited liability company and BlackRock Fund Advisors is a California corporation. Each Manager is an indirect, wholly owned subsidiary of BlackRock, Inc. BlackRock, Inc., through its subsidiaries and divisions, provides (i) investment management services to individuals and institutional investors through separate account management, non-discretionary advisory programs and commingled investment vehicles; (ii) risk management services, investment accounting and trade processing tools; (iii) transition management services, and (iv) securities lending services.

Duration and Termination. Unless earlier terminated as described below, each Management Agreement and each Sub-Advisory Agreement will remain in effect for an initial two year period and from year to year thereafter if approved annually (a) by the Board of Directors or by a vote of a majority of the outstanding voting securities of a Fund and (b) by a majority of the Directors of the Fund who are not parties to such agreement or interested persons (as defined in the Investment Company Act) of any such party. Each Agreement automatically terminates on assignment and may be terminated without penalty on 60 days’ written notice at the option of either party thereto or by the vote of the shareholders of the applicable Fund.

Other Service Arrangements

Administrative Services and Administrative Fee. Certain Funds have entered into an administration agreement (the “Administration Agreement”) with an administrator identified in the Fund’s Prospectus and Part I of the Fund’s SAI (each an “Administrator”). For its services to a Fund, the Administrator receives monthly compensation at the annual rate set forth in each applicable Fund’s Prospectus. For information regarding any administrative fees paid by your Fund to the Administrator for the periods indicated, see “Management and Advisory Arrangements” in Part I of that Fund’s SAI.

For Funds that have an Administrator, the Administration Agreement obligates the Administrator to provide certain administrative services to the Fund and to pay, or cause its affiliates to pay, for maintaining its staff and personnel and to provide office space, facilities and necessary personnel for the Fund. Each Administrator is also obligated to pay, or cause its affiliates to pay, the fees of those officers and Directors of the Fund who are affiliated persons of the Administrator or any of its affiliates.

Duration and Termination of Administration Agreement. Unless earlier terminated as described below, each Administration Agreement will continue for an initial two year period and from year to year if approved annually (a) by the Board of Directors of each applicable Fund or by a vote of a majority of the outstanding voting securities of such Fund and (b) by a majority of the Directors of the Fund who are not parties to such contract or interested persons (as defined in the Investment Company Act) of any such party. Such contract is not assignable and may be terminated without penalty on written notice at the option of either party thereto or by the vote of the shareholders of the Fund.

Transfer Agency Services. BNY Mellon Investment Servicing (US) Inc. (in this capacity, the “Transfer Agent”), a subsidiary of The Bank of New York Mellon Corporation, acts as each Fund’s Transfer Agent pursuant to a Transfer Agency, Dividend Disbursing Agency and Shareholder Servicing Agency Agreement (the “Transfer Agency Agreement”) with the Funds. Pursuant to the Transfer Agency Agreement, the Transfer Agent is responsible for the issuance, transfer and redemption of shares and the opening and maintenance of shareholder accounts. Each Fund pays the Transfer Agent a fee for the services it receives based on the type of account and the level of services required. Each Fund reimburses the Transfer Agent’s reasonable out-of-pocket expenses and pays a fee of 0.10% of account assets for certain accounts that participate in certain fee-based programs sponsored by the Manager or its affiliates. For purposes of each Transfer Agency Agreement, the term “account” includes a shareholder account maintained directly by the Transfer Agent and any other account representing the beneficial interest of a person in the relevant share class on a recordkeeping system. Effective July 1, 2010, the Transfer Agent ceased to be an affiliate of the Funds.

Independent Registered Public Accounting Firm. The Audit Committee of each Fund, the members of which are non-interested Directors of the Fund, has selected an independent registered public accounting firm for that Fund that audits the Fund’s financial statements. Please see the inside back cover page of your Fund’s Prospectus and Part I of this SAI for information on your Fund’s independent registered public accounting firm.

Custodian Services. The name and address of the custodian (the “Custodian”) of each Fund are provided on the inside back cover page of the Fund’s Prospectus. The Custodian is responsible for safeguarding and controlling the Fund’s cash and securities, handling the receipt and delivery of securities and collecting interest and dividends on the Fund’s investments. The Custodian is authorized to establish separate accounts in foreign currencies and to cause foreign securities owned by the Fund to be held in its offices outside the United States and with certain foreign banks and securities depositories.

For certain Feeder Funds, the Custodian also acts as the custodian of the Master Portfolio’s assets.

With respect to certain Funds, under an arrangement effective January 1, 2010, on a monthly basis, the Custodian nets the Fund’s daily positive and negative cash balances and calculates a credit (“custody credit”) or a charge based on that net amount. The custodian fees, including the amount of any overdraft charges, may be reduced by the amount of such custody credits, and any unused credits at the end of a given month may be carried forward to a subsequent month. Any such credits unused by the end of a Fund’s fiscal year will not expire. Net debits at the end of a given month are added to the Fund’s custody bill and paid by the Fund.

Accounting Services. Each Fund has entered into an agreement with State Street, BNY Mellon or JPM, pursuant to which State Street, BNY Mellon or JPM provides certain accounting and administrative services to the Fund. Each Fund pays a fee for these services. State Street, BNY Mellon or JPM provides similar accounting services to the Master LLCs. The Manager or the Administrator also provides certain accounting services to each Fund and each Fund reimburses the Manager or the Administrator for these services.

See “Management and Advisory Arrangements — Accounting Services” in Part I of each Fund’s SAI for information on the amounts paid by your Fund and, if applicable, Master LLC to State Street, BNY Mellon or JPM and the Manager or, if applicable, the Administrator for the periods indicated.

Distribution Expenses. Each Fund has entered into a distribution agreement with the Distributor in connection with the continuous offering of each class of shares of the Fund (the “Distribution Agreement”). The Distribution Agreement obligates the Distributor to pay certain expenses in connection with the offering of each class of shares of the Funds. After the prospectuses, statements of additional information and periodic reports have been prepared, set in type and mailed to shareholders, the Distributor pays for the printing and distribution of these documents used in connection with the offering to dealers and investors. The Distributor also pays for other supplementary sales literature and advertising costs. The Distribution Agreement is subject to the same renewal requirements and termination provisions as the Management Agreement described above.

Code of Ethics

Each Fund, the Manager, each Sub-Adviser and the Distributor has adopted a Code of Ethics pursuant to Rule 17j-1 under the Investment Company Act. The Codes of Ethics establish procedures for personal investing and restrict certain transactions. Employees subject to the Code of Ethics may invest in securities for their personal investment accounts, including securities that may be purchased or held by a Fund.

SELECTIVE DISCLOSURE OF PORTFOLIO HOLDINGS

The Board of Directors of each Fund and the Board of Directors of the Manager have each approved Portfolio Information Distribution Guidelines (the “Policy”) regarding the disclosure of each Fund’s portfolio securities, as applicable, and other portfolio information. The purpose of the Policy is to ensure that (i) shareholders and prospective shareholders of the Funds have equal access to portfolio holdings and characteristics and (ii) third parties (such as consultants, intermediaries and third-party data providers) have access to such information no more frequently than shareholders and prospective shareholders.

Pursuant to the Policy, each Fund and the Manager may, under certain circumstances as set forth below, make selective disclosure with respect to a Fund’s Portfolio Characteristics (as defined below) and Portfolio Holdings (as defined below). Each Board of Directors has approved the adoption by the Fund of the Policy, and employees of the Manager are responsible for adherence to the Policy. The Board of Directors provides ongoing oversight of the Fund’s and Manager’s compliance with the Policy.

Disclosure of material non-public information (“Confidential Information”) about a Fund’s Portfolio Holdings and/or Portfolio Characteristics is prohibited, except as provided in the Policy.

Confidential Information relating to a Fund may not be distributed to persons not employed by BlackRock unless the Fund has a legitimate business purpose for doing so and appropriate confidentiality obligations are in effect.

- *Portfolio Holdings*: “Portfolio Holdings” are a Fund’s portfolio securities and other instruments, and include, but are not limited to:
 - for equity securities, information such as issuer name, CUSIP, ticker symbol, total shares and market value;
 - for fixed income securities, information such as issuer name, CUSIP, ticker symbol, coupon, maturity, current face value and market value;
 - for all securities, information such as quantity, SEDOL, market price, yield, WAL, duration and convexity as of a specific date;
 - for derivatives, indicative data including, but not limited to, pay leg, receive leg, notional amount, reset frequency and trade counterparty; and
 - trading strategies, specific portfolio holdings, including the number of shares held, weightings of particular holdings, trading details, pending or recent transactions and portfolio management plans to purchase or sell particular securities or allocation within particular sectors.
- *Portfolio Characteristics*: “Portfolio Characteristics” include, but are not limited to, sector allocation, credit quality breakdown, maturity distribution, duration and convexity measures, average credit quality, average maturity, average coupon, top 10 holdings with percent of the fund held, average market capitalization, capitalization range, risk related information (*e.g.*, value at risk, standard deviation), ROE, P/E, P/B, P/CF, P/S and EPS.
 - Additional characteristics specific to money market funds include, but are not limited to, historical daily and weekly liquid assets (as defined under Rule 2a-7) and historical fund net inflows and outflows.

Information that is non-material or that may be obtained from public sources (*i.e.*, information that has been publicly disclosed via a filing with the Commission (*e.g.*, a fund annual report), through a press release or placement on a publicly-available internet website), or information derived or calculated from such public sources shall not be deemed Confidential Information.

Portfolio Holdings and Portfolio Characteristics may be disclosed in accordance with the below schedule.

Open-End Mutual Funds (Excluding Money Market Funds)

	Time Periods (Calendar Days)		
	Prior to 5 Calendar Days After Month-End	5-20 Calendar Days After Month-End	20 Calendar Days After Month-End To Date of Public Filing
Portfolio Holdings	Cannot disclose without non-disclosure or confidentiality agreement and Chief Compliance Officer (“CCO”) approval.		May disclose to shareholders, prospective shareholders, intermediaries, consultants and third-party data providers (e.g., Lipper, Morningstar and Bloomberg), except with respect to Global Allocation funds* (whose holdings may be disclosed 40 calendar days after quarter-end based on the applicable fund’s fiscal year end) and BlackRock Core Bond Portfolio and BlackRock Strategic Income Opportunities Portfolio of BlackRock Funds V, BlackRock Strategic Global Bond Fund, Inc., Master Total Return Portfolio of Master Bond LLC and BlackRock Total Return V.I. Fund of BlackRock Variable Series Funds II, Inc. (each of whose portfolio holdings may be disclosed 60 calendar days after month-end). If Portfolio Holdings are disclosed to one party, they must also be disclosed to all other parties requesting the same information.
Portfolio Characteristics	Cannot disclose without non-disclosure or confidentiality agreement and CCO approval*,**	May disclose to shareholders, prospective shareholders, intermediaries, consultants and third-party data providers (e.g., Lipper, Morningstar and Bloomberg). If Portfolio Characteristics are disclosed to one party, they must also be disclosed to all other parties requesting the same information.	
<p>* Global Allocation: For purposes of portfolio holdings, Global Allocation funds include BlackRock Global Allocation Fund, Inc., BlackRock Global Allocation Portfolio of BlackRock Series Fund, Inc. and BlackRock Global Allocation V.I. Fund of BlackRock Variable Series Funds, Inc. Information on certain Portfolio Characteristics of BlackRock Global Allocation Portfolio and BlackRock Global Allocation V.I. Fund is available, upon request, to insurance companies that use these funds as underlying investments (and to advisers and sub-advisers of funds invested in BlackRock Global Allocation Portfolio and BlackRock Global Allocation V.I. Fund) in their variable annuity contracts and variable life insurance policies on a weekly basis (or such other period as may be determined to be appropriate). Disclosure of such characteristics of these two funds constitutes a disclosure of Confidential Information and is being made for reasons deemed appropriate by BlackRock and in accordance with the requirements set forth in these guidelines. If Portfolio Characteristics are disclosed to one party, they must also be disclosed to all other parties requesting the same information.</p> <p>** Strategic Income Opportunities: Information on certain Portfolio Characteristics of BlackRock Strategic Income Opportunities Portfolio of BlackRock Funds II may be made available to shareholders, prospective shareholders, intermediaries, consultants and third party data providers, upon request on a more frequent basis as may be deemed appropriate by BlackRock from time-to-time.</p>			

Money Market Funds

	Time Periods (Calendar Days)	
	Prior to 5 Calendar Days After Month-End	5 Calendar Days After Month-End to Date of Public Filing
Portfolio Holdings	<p>Cannot disclose without non-disclosure or confidentiality agreement and CCO approval except the following portfolio holdings information may be released as follows:</p> <ul style="list-style-type: none"> • Weekly portfolio holdings information released on the website at least one business day after week-end. • Other information as may be required under Rule 2a-7 (<i>e.g.</i>, name of issuer, category of investment, principal amount, maturity dates, yields). 	<p>May disclose to shareholders, prospective shareholders, intermediaries, consultants and third-party data providers. If portfolio holdings are disclosed to one party, they must also be disclosed to all other parties requesting the same information.</p>
Portfolio Characteristics	<p>Cannot disclose without non-disclosure or confidentiality agreement and CCO approval except the following information may be released on the Fund’s website daily:</p> <ul style="list-style-type: none"> • Historical net asset values per share (“NAVs”) calculated based on market factors (<i>e.g.</i>, marked to market) • Percentage of fund assets invested in daily and weekly liquid assets (as defined under Rule 2a-7) • Daily net inflows and outflows • Yields, SEC yields, WAM, WAL, current assets • Other information as may be required by Rule 2a-7 	<p>May disclose to shareholders, prospective shareholders, intermediaries, consultants and third-party data providers. If Portfolio Characteristics are disclosed to one party, they must also be disclosed to all other parties requesting the same information.</p>

Guidelines for Confidential and Non-Material Information. Confidential Information may be disclosed to the Fund’s Board of Directors and its counsel, outside counsel for the Fund, the Fund’s auditors and to certain third-party service providers (*i.e.*, fund administrator, custodian, proxy voting service) for which a non-disclosure or confidentiality agreement is in place with such service providers. With respect to Confidential Information, the Fund’s CCO or his or her designee may authorize the following, subject in the case of (ii) and (iii) to a confidentiality or non-disclosure arrangement:

- (i) the preparation and posting of the Fund’s Portfolio Holdings and/or Portfolio Characteristics to its website on a more frequent basis than authorized above;
- (ii) the disclosure of the Fund’s Portfolio Holdings to third-party service providers not noted above; and
- (iii) the disclosure of the Fund’s Portfolio Holdings and/or Portfolio Characteristics to other parties for legitimate business purposes.

Fact Sheets and Reports

- Fund Fact Sheets are available to shareholders, prospective shareholders, intermediaries and consultants on a monthly or quarterly basis no earlier than the fifth calendar day after the end of a month or quarter.

- Money Market Performance Reports are typically available to shareholders, prospective shareholders, intermediaries and consultants by the tenth calendar day of the month (and on a one day lag for certain institutional funds). They contain monthly money market Fund performance, rolling 12-month average and benchmark performance.

Other Information. The Policy shall also apply to other Confidential Information of a Fund such as performance attribution analyses or security-specific information (e.g., information about Fund holdings where an issuer has been downgraded, been acquired or declared bankruptcy).

Data on NAVs, asset levels (by total Fund and share class), accruals, yields, capital gains, dividends and fund returns (net of fees by share class) are generally available to shareholders, prospective shareholders, consultants, and third-party data providers upon request, as soon as such data is available.

Contact Information. For information about portfolio holdings and characteristics, BlackRock fund shareholders and prospective investors should call the number set out on the back cover of the Prospectus.

Compensation. Neither a Fund, a service provider nor any of their affiliated persons (as that term is defined in the Investment Company Act) shall receive compensation in any form in connection with the disclosure of information about such Fund's Portfolio Holdings or Portfolio Characteristics.

Ongoing Arrangements. The Manager has entered into ongoing agreements to provide selective disclosure of Fund Portfolio Holdings to the following persons or entities:

1. Fund's Board of Directors and, if necessary, Independent Directors' counsel and Fund counsel.
2. Fund's Transfer Agent.
3. Fund's Custodian.
4. Fund's Administrator, if applicable.
5. Fund's independent registered public accounting firm.
6. Fund's accounting services provider.
7. Independent rating agencies — Morningstar, Inc., Lipper Inc., S&P, Moody's, Fitch.
8. Information aggregators — Markit on Demand, Thomson Financial and Bloomberg, eVestments Alliance, Informa/PSN Investment Solutions, Crane Data and iMoneyNet.
9. Sponsors of 401(k) plans that include BlackRock-advised funds — E.I. Dupont de Nemours and Company, Inc.
10. Sponsors and consultants for pension and retirement plans that invest in BlackRock-advised funds — Rocaton Investment Advisors, LLC, Mercer Investment Consulting, Callan Associates, Brockhouse & Cooper, Cambridge Associates, Morningstar/Investorforce, Russell Investments (Mellon Analytical Solutions), Wilshire Associates and JPMorgan Chase Bank, N.A.
11. Pricing Vendors — Reuters Pricing Service, Bloomberg, FT Interactive Data (FT IDC), ITG, Telekurs Financial, FactSet Research Systems, Inc., JP Morgan Pricing Direct (formerly Bear Stearns Pricing Service), Standard and Poor's Security Evaluations Service, Lehman Index Pricing, Bank of America High Yield Index, Loan Pricing Corporation (LPC), LoanX, Super Derivatives, IBoxx Index, Barclays Euro Gov't Inflation-Linked Bond Index, JPMorgan Emerging & Developed Market Index, Reuters/WM Company, Nomura BPI Index, Japan Securities Dealers Association, Valuation Research Corporation and Murray, Devine & Co., Inc.
12. Portfolio Compliance Consultants — Oracle/i-Flex Solutions, Inc.
13. Third-party feeder funds — Alight Money Market Fund, Alight Series Trust, Alight Financial Solutions LLC, Homestead, Inc., Transamerica, State Farm Mutual Fund and Sterling Capital Funds and their respective boards, sponsors, administrators and other service providers.
14. Affiliated feeder funds — Treasury Money Market Fund (Cayman) and its board, sponsor, administrator and other service providers.

15. Other — Investment Company Institute, Mizuho Asset Management Co., Ltd., Nationwide Fund Advisors and State Street Bank and Trust Company.

With respect to each such arrangement, a Fund has a legitimate business purpose for the release of information. The release of the information is subject to confidential treatment to prohibit the entity from sharing with an unauthorized source or trading upon the information provided. The Funds, BlackRock and their affiliates do not receive any compensation or other consideration in connection with such arrangements.

The Funds and the Manager monitor, to the extent possible, the use of Confidential Information by the individuals or firms to which it has been disclosed. To do so, in addition to the requirements of any applicable confidentiality agreement and/or the terms and conditions of the Fund's and Manager's Codes of Ethics — all of which require persons or entities in possession of Confidential Information to keep such information confidential and not to trade on such information for their own benefit — the Manager's compliance personnel under the supervision of the Fund's CCO, monitor the Manager's securities trading desks to determine whether individuals or firms who have received Confidential Information have made any trades on the basis of that information. In addition, the Manager maintains an internal restricted list to prevent trading by the personnel of the Manager or its affiliates in securities — including securities held by a Fund — about which the Manager has Confidential Information. There can be no assurance, however, that the Fund's policies and procedures with respect to the selective disclosure of Portfolio Holdings will prevent the misuse of such information by individuals or firms that receive such information.

Potential Conflicts of Interest

The PNC Financial Services Group, Inc. ("PNC") has a significant economic interest in BlackRock, Inc., the parent of BlackRock Advisors, LLC and BlackRock Fund Advisors, each of which is the investment adviser to certain Funds. BlackRock, Inc. and PNC are considered to be affiliated persons of one another under the Investment Company Act. Certain activities of BlackRock Advisors, LLC, BlackRock Fund Advisors, BlackRock, Inc. and their affiliates (collectively referred to in this section as "BlackRock") and PNC and its affiliates (collectively, "PNC" and together with BlackRock, "Affiliates"), with respect to the Funds and/or other accounts managed by BlackRock or PNC, may give rise to actual or perceived conflicts of interest such as those described below.

BlackRock is one of the world's largest asset management firms. PNC is a diversified financial services organization spanning the retail, business and corporate markets. BlackRock, PNC and their respective affiliates (including, for these purposes, their directors, partners, trustees, managing members, officers and employees), including the entities and personnel who may be involved in the investment activities and business operations of a Fund, are engaged worldwide in businesses, including managing equities, fixed income securities, cash and alternative investments, and banking and other financial services, and have interests other than that of managing the Funds. These are considerations of which investors in a Fund should be aware, and which may cause conflicts of interest that could disadvantage a Fund and its shareholders. These businesses and interests include potential multiple advisory, transactional, financial and other relationships with, or interests in companies and interests in securities or other instruments that may be purchased or sold by a Fund.

BlackRock and its Affiliates have proprietary interests in, and may manage or advise with respect to, accounts or funds (including separate accounts and other funds and collective investment vehicles) that have investment objectives similar to those of a Fund and/or that engage in transactions in the same types of securities, currencies and instruments as the Fund. One or more Affiliates are also major participants in the global currency, equities, swap and fixed income markets, in each case, for the accounts of clients and, in some cases, on a proprietary basis. As such, one or more Affiliates are or may be actively engaged in transactions in the same securities, currencies, and instruments in which a Fund invests. Such activities could affect the prices and availability of the securities, currencies, and instruments in which a Fund invests, which could have an adverse impact on a Fund's performance. Such transactions, particularly in respect of most proprietary accounts or client accounts, will be executed independently of a Fund's transactions and thus at prices or rates that may be more or less favorable than those obtained by the Fund.

When BlackRock and its Affiliates seek to purchase or sell the same assets for their managed accounts, including a Fund, the assets actually purchased or sold may be allocated among the accounts on a basis determined in their good faith discretion to be equitable. In some cases, this system may adversely affect the size or price of the assets purchased or sold for a Fund. In addition, transactions in investments by one or more other accounts managed by BlackRock or its Affiliates may have the effect of diluting or otherwise disadvantaging the values, prices or investment strategies of a Fund, particularly, but not limited to, with respect to small capitalization, emerging market or less liquid strategies. This may occur when investment decisions regarding a Fund are

based on research or other information that is also used to support decisions for other accounts. When BlackRock or its Affiliates implement a portfolio decision or strategy on behalf of another account ahead of, or contemporaneously with, similar decisions or strategies for a Fund, market impact, liquidity constraints, or other factors could result in the Fund receiving less favorable trading results and the costs of implementing such decisions or strategies could be increased or the Fund could otherwise be disadvantaged. BlackRock or its Affiliates may, in certain cases, elect to implement internal policies and procedures designed to limit such consequences, which may cause a Fund to be unable to engage in certain activities, including purchasing or disposing of securities, when it might otherwise be desirable for it to do so.

Conflicts may also arise because portfolio decisions regarding a Fund may benefit other accounts managed by BlackRock or its Affiliates. For example, the sale of a long position or establishment of a short position by a Fund may impair the price of the same security sold short by (and therefore benefit) one or more Affiliates or their other accounts or funds, and the purchase of a security or covering of a short position in a security by a Fund may increase the price of the same security held by (and therefore benefit) one or more Affiliates or their other accounts or funds.

In certain circumstances, BlackRock, on behalf of the Funds, may seek to buy from or sell securities to another fund or account advised by BlackRock or an Affiliate. BlackRock may (but is not required to) effect purchases and sales between BlackRock clients or clients of Affiliates (“cross trades”), including the Funds, if BlackRock believes such transactions are appropriate based on each party’s investment objectives and guidelines, subject to applicable law and regulation. There may be potential conflicts of interest or regulatory issues relating to these transactions which could limit BlackRock’s decision to engage in these transactions for the Funds. BlackRock may have a potentially conflicting division of loyalties and responsibilities to the parties in such transactions.

BlackRock and its Affiliates and their clients may pursue or enforce rights with respect to an issuer in which a Fund has invested, and those activities may have an adverse effect on the Fund. As a result, prices, availability, liquidity and terms of the Fund’s investments may be negatively impacted by the activities of BlackRock or its Affiliates or their clients, and transactions for the Fund may be impaired or effected at prices or terms that may be less favorable than would otherwise have been the case.

The results of a Fund’s investment activities may differ significantly from the results achieved by BlackRock and its Affiliates for their proprietary accounts or other accounts (including investment companies or collective investment vehicles) managed or advised by them. It is possible that one or more Affiliate-managed accounts and such other accounts will achieve investment results that are substantially more or less favorable than the results achieved by a Fund. Moreover, it is possible that a Fund will sustain losses during periods in which one or more Affiliates or Affiliate-managed accounts achieve significant profits on their trading for proprietary or other accounts. The opposite result is also possible.

From time to time, a Fund may be restricted from purchasing or selling securities, or from engaging in other investment activities because of regulatory, legal or contractual requirements applicable to BlackRock or one or more Affiliates or other accounts managed or advised by BlackRock or its Affiliates for clients worldwide, and/or the internal policies of BlackRock and its Affiliates designed to comply with such requirements. As a result, there may be periods, for example, when BlackRock and/or one or more Affiliates will not initiate or recommend certain types of transactions in certain securities or instruments with respect to which BlackRock and/or one or more Affiliates are performing services or when position limits have been reached. For example, the investment activities of one or more Affiliates for their proprietary accounts and accounts under their management may limit the investment opportunities for a Fund in certain emerging and other markets in which limitations are imposed upon the amount of investment, in the aggregate or in individual issuers, by affiliated foreign investors.

In connection with its management of a Fund, BlackRock may have access to certain fundamental analysis and proprietary technical models developed by one or more Affiliates. BlackRock will not be under any obligation, however, to effect transactions on behalf of a Fund in accordance with such analysis and models. In addition, neither BlackRock nor any of its Affiliates will have any obligation to make available any information regarding their proprietary activities or strategies, or the activities or strategies used for other accounts managed by them, for the benefit of the management of a Fund and it is not anticipated that BlackRock will have access to such information for the purpose of managing the Fund. The proprietary activities or portfolio strategies of BlackRock and its Affiliates, or the activities or strategies used for accounts managed by them or other client accounts could conflict with the transactions and strategies employed by BlackRock in managing a Fund.

The Funds may be included in investment models developed by BlackRock for use by clients and financial advisors. To the extent clients invest in these investment models and increase the assets under management of the Funds, the investment management fee amounts paid by the Funds to BlackRock may also increase. The liquidity of a Fund may be impacted by redemptions of the Fund by model-driven investment portfolios.

In addition, certain principals and certain employees of BlackRock are also principals or employees of Affiliates. As a result, these principals and employees may have obligations to such other entities or their clients and such obligations to other entities or clients may be a consideration of which investors in a Fund should be aware.

BlackRock may enter into transactions and invest in securities, instruments and currencies on behalf of a Fund in which clients of BlackRock or its Affiliates, or, to the extent permitted by the Commission and applicable law, BlackRock or another Affiliate, serves as the counterparty, principal or issuer. In such cases, such party's interests in the transaction will be adverse to the interests of the Fund, and such party may have no incentive to assure that the Fund obtains the best possible prices or terms in connection with the transactions. In addition, the purchase, holding and sale of such investments by a Fund may enhance the profitability of BlackRock or its Affiliates. One or more Affiliates may also create, write or issue derivatives for their clients, the underlying securities, currencies or instruments of which may be those in which a Fund invests or which may be based on the performance of the Fund. A Fund may, subject to applicable law, purchase investments that are the subject of an underwriting or other distribution by one or more Affiliates and may also enter into transactions with other clients of an Affiliate where such other clients have interests adverse to those of the Fund.

At times, these activities may cause departments of BlackRock or its Affiliates to give advice to clients that may cause these clients to take actions adverse to the interests of the Fund. To the extent affiliated transactions are permitted, a Fund will deal with Affiliates on an arms-length basis.

To the extent authorized by applicable law, one or more Affiliates may act as broker, dealer, agent, lender or adviser or in other commercial capacities for a Fund. It is anticipated that the commissions, mark-ups, mark-downs, financial advisory fees, underwriting and placement fees, sales fees, financing and commitment fees, brokerage fees, other fees, compensation or profits, rates, terms and conditions charged by an Affiliate will be in its view commercially reasonable, although each Affiliate, including its sales personnel, will have an interest in obtaining fees and other amounts that are favorable to the Affiliate and such sales personnel, which may have an adverse effect on the Funds.

Subject to applicable law, the Affiliates (and their personnel and other distributors) will be entitled to retain fees and other amounts that they receive in connection with their service to the Funds as broker, dealer, agent, lender, adviser or in other commercial capacities. No accounting to the Funds or their shareholders will be required, and no fees or other compensation payable by the Funds or their shareholders will be reduced by reason of receipt by an Affiliate of any such fees or other amounts.

When an Affiliate acts as broker, dealer, agent, adviser or in other commercial capacities in relation to the Funds, the Affiliate may take commercial steps in its own interests, which may have an adverse effect on the Funds. A Fund will be required to establish business relationships with its counterparties based on the Fund's own credit standing. Neither BlackRock nor any of the Affiliates will have any obligation to allow their credit to be used in connection with a Fund's establishment of its business relationships, nor is it expected that the Fund's counterparties will rely on the credit of BlackRock or any of the Affiliates in evaluating the Fund's creditworthiness.

Lending on behalf of the Funds is done by BlackRock Investment Management, LLC ("BIM") or BlackRock Institutional Trust Company, N.A. ("BTC"), each an affiliate of BlackRock, pursuant to SEC exemptive relief, enabling BIM or BTC, as applicable, to act as securities lending agent to, and receive a share of securities lending revenues from, the Funds. An Affiliate will receive compensation for managing the reinvestment of the cash collateral from securities lending. There are potential conflicts of interests in managing a securities lending program, including but not limited to: (i) BlackRock as lending agent may have an incentive to increase or decrease the amount of securities on loan or to lend particular securities in order to generate additional risk-adjusted revenue for BlackRock and its affiliates; and (ii) BlackRock as lending agent may have an incentive to allocate loans to clients that would provide more revenue to BlackRock. As described further below, BlackRock seeks to mitigate this conflict by providing its securities lending clients with equal lending opportunities over time in order to approximate pro-rata allocation.

As part of its securities lending program, BlackRock indemnifies certain clients and/or funds against a shortfall in collateral in the event of borrower default. BlackRock's Risk and Quantitative Analytics Group ("RQA") calculates, on a regular basis, BlackRock's potential dollar exposure to the risk of collateral shortfall upon counterparty default ("shortfall risk") under the securities lending program for both indemnified and non-indemnified clients. On a periodic basis, RQA also determines the maximum amount of potential indemnified shortfall risk arising from securities lending activities ("indemnification exposure limit") and the maximum amount of counterparty-specific credit exposure ("credit limits") BlackRock is willing to assume as well as the program's operational complexity. RQA oversees the risk model that calculates projected shortfall values using loan-level factors such as loan and collateral type and market value as well as specific borrower counterparty credit characteristics. When

necessary, RQA may further adjust other securities lending program attributes by restricting eligible collateral or reducing counterparty credit limits. As a result, the management of the indemnification exposure limit may affect the amount of securities lending activity BlackRock may conduct at any given point in time and impact indemnified and non-indemnified clients by reducing the volume of lending opportunities for certain loans (including by asset type, collateral type and/or revenue profile).

BlackRock uses a predetermined systematic process in order to approximate pro-rata allocation over time. In order to allocate a loan to a portfolio: (i) BlackRock as a whole must have sufficient lending capacity pursuant to the various program limits (i.e. indemnification exposure limit and counterparty credit limits); (ii) the lending portfolio must hold the asset at the time a loan opportunity arrives; and (iii) the lending portfolio must also have enough inventory, either on its own or when aggregated with other portfolios into one single market delivery, to satisfy the loan request. In doing so, BlackRock seeks to provide equal lending opportunities for all portfolios, independent of whether BlackRock indemnifies the portfolio. Equal opportunities for lending portfolios does not guarantee equal outcomes. Specifically, short and long-term outcomes for individual clients may vary due to asset mix, asset/liability spreads on different securities, and the overall limits imposed by the firm.

Purchases and sales of securities for a Fund may be bunched or aggregated with orders for other BlackRock client accounts, including with accounts that pay different transaction costs solely due to the fact they have different research payment arrangements. BlackRock, however, is not required to bunch or aggregate orders if portfolio management decisions for different accounts are made separately, or if they determine that bunching or aggregating is not practicable or required, or in cases involving client direction.

Prevailing trading activity frequently may make impossible the receipt of the same price or execution on the entire volume of securities purchased or sold. When this occurs, the various prices may be averaged, and the Funds will be charged or credited with the average price. Thus, the effect of the aggregation may operate on some occasions to the disadvantage of the Funds.

As discussed in the section below entitled “Portfolio Transactions and Brokerage — Transactions in Portfolio Securities,” BlackRock, unless prohibited by applicable law, may cause a Fund or account to pay a broker or dealer a commission for effecting a transaction that exceeds the amount another broker or dealer would have charged for effecting the same transaction in recognition of the value of brokerage and research services provided by that broker or dealer. Under the European Union’s (the “EU”) Markets in Financial Instruments Directive (“MiFID II”), effective January 3, 2018, EU investment managers, including BlackRock International Limited (“BIL”) which acts as a sub-adviser to certain Funds, will pay for research from brokers and dealers directly out of their own resources, rather than through client commissions.

Subject to applicable law, BlackRock may select brokers (including, without limitation, Affiliates, to the extent permitted by applicable law) that furnish BlackRock, the Funds, other BlackRock client accounts or other Affiliates or personnel, directly or through correspondent relationships, with research or other appropriate services which provide, in BlackRock’s view, appropriate assistance to BlackRock in the investment decision-making process (including with respect to futures, fixed-price offerings and OTC transactions). Such research or other services may include, to the extent permitted by law, research reports on companies, industries and securities; economic and financial data; financial publications; proxy analysis; trade industry seminars; computer data bases; research-oriented software and other services and products.

Research or other services obtained in this manner may be used in servicing any or all of the Funds and other BlackRock client accounts, including in connection with BlackRock client accounts other than those that pay commissions to the broker relating to the research or other service arrangements. Such products and services may disproportionately benefit other BlackRock client accounts relative to the Funds based on the amount of brokerage commissions paid by the Funds and such other BlackRock client accounts. For example, research or other services that are paid for through one client’s commissions may not be used in managing that client’s account. In addition, other BlackRock client accounts may receive the benefit, including disproportionate benefits, of economies of scale or price discounts in connection with products and services that may be provided to the Funds and to such other BlackRock client accounts. To the extent that BlackRock uses soft dollars, it will not have to pay for those products and services itself.

BlackRock, unless prohibited by applicable law, may endeavor to execute trades through brokers who, pursuant to such arrangements, provide research or other services in order to ensure the continued receipt of research or other services BlackRock believes are useful in its investment decision-making process. BlackRock may from time to time choose not to engage in the above described arrangements to varying degrees. BlackRock, unless prohibited by applicable law, may also enter into commission sharing arrangements under which BlackRock may execute transactions through a broker-dealer, including, where permitted, an Affiliate, and request that the broker-dealer allocate a portion of the commissions or commission credits to another firm that

provides research to BlackRock. To the extent that BlackRock engages in commission sharing arrangements, many of the same conflicts related to traditional soft dollars may exist.

BlackRock may utilize certain electronic crossing networks (“ECNs”) (including, without limitation, ECNs in which BlackRock or its Affiliates has an investment or other interest, to the extent permitted by applicable law) in executing client securities transactions for certain types of securities. These ECNs may charge fees for their services, including access fees and transaction fees. The transaction fees, which are similar to commissions or markups/markdowns, will generally be charged to clients and, like commissions and markups/markdowns, would generally be included in the cost of the securities purchased. Access fees may be paid by BlackRock even though incurred in connection with executing transactions on behalf of clients, including the Funds. In certain circumstances, ECNs may offer volume discounts that will reduce the access fees typically paid by BlackRock. BlackRock will only utilize ECNs consistent with its obligation to seek to obtain best execution in client transactions.

BlackRock has adopted policies and procedures designed to prevent conflicts of interest from influencing proxy voting decisions that it makes on behalf of advisory clients, including the Funds, and to help ensure that such decisions are made in accordance with BlackRock’s fiduciary obligations to its clients. Nevertheless, notwithstanding such proxy voting policies and procedures, actual proxy voting decisions of BlackRock may have the effect of favoring the interests of other clients or businesses of other divisions or units of BlackRock and/or its Affiliates, provided that BlackRock believes such voting decisions to be in accordance with its fiduciary obligations. For a more detailed discussion of these policies and procedures, see “Proxy Voting Policies and Procedures.”

It is also possible that, from time to time, BlackRock or its Affiliates may, subject to compliance with applicable law, purchase and hold shares of a Fund. Increasing a Fund’s assets may enhance investment flexibility and diversification and may contribute to economies of scale that tend to reduce the Fund’s expense ratio. BlackRock and its Affiliates reserve the right, subject to compliance with applicable law, to redeem at any time some or all of the shares of a Fund acquired for their own accounts. A large redemption of shares of a Fund by BlackRock or its Affiliates could significantly reduce the asset size of the Fund, which might have an adverse effect on the Fund’s investment flexibility, portfolio diversification and expense ratio. BlackRock seeks to consider the effect of redemptions on a Fund and other shareholders in deciding whether to redeem its shares.

It is possible that a Fund may invest in securities of, or engage in transactions with, companies with which an Affiliate has developed or is trying to develop investment banking relationships as well as securities of entities in which BlackRock or its Affiliates has significant debt or equity investments or other interests or in which an Affiliate makes a market. A Fund may also invest in issuances (such as structured notes) by entities for which an Affiliate provides and is compensated for cash management services relating to the proceeds from the sale of such issuances. A Fund also may invest in securities of, or engage in transactions with, companies to which an Affiliate provides or may in the future provide research coverage. Such investments or transactions could cause conflicts between the interests of a Fund and the interests of BlackRock, other clients of BlackRock or its Affiliates. In making investment decisions for a Fund, BlackRock is not permitted to obtain or use material non-public information acquired by any division, department or Affiliate of BlackRock in the course of these activities. In addition, from time to time, the activities of an Affiliate may limit a Fund’s flexibility in purchases and sales of securities. When an Affiliate is engaged in an underwriting or other distribution of securities of an entity, BlackRock may be prohibited from purchasing or recommending the purchase of certain securities of that entity for a Fund. As indicated below, BlackRock or its Affiliates may engage in transactions with companies in which BlackRock-advised funds or other clients of BlackRock or of an Affiliate have an investment.

BlackRock and Chubb Limited (“Chubb”), a public company whose securities are held by BlackRock-advised funds and other accounts, partially funded the creation of a re-insurance company (“Re Co”) pursuant to which each has approximately a 9.9% ownership interest and each has representation on the board of directors. Certain employees and executives of BlackRock have a less than 1/2 of 1% ownership interest in Re Co. BlackRock manages the investment portfolio of Re Co, which is held in a wholly-owned subsidiary. Re Co participates as a reinsurer with reinsurance contracts underwritten by subsidiaries of Chubb. An independent director of certain BlackRock-advised funds also serves as an independent director of Chubb and has no interest or involvement in the Re Co transaction.

BlackRock and its Affiliates, their personnel and other financial service providers may have interests in promoting sales of the Funds. With respect to BlackRock and its Affiliates and their personnel, the remuneration and profitability relating to services to and sales of the Funds or other products may be greater than remuneration and profitability relating to services to and sales of certain funds or other products that might be provided or offered. BlackRock and its Affiliates and their sales personnel may directly or indirectly receive a portion of the fees and commissions charged to the Funds or their shareholders. BlackRock and its advisory or other personnel may also benefit from increased amounts of assets under management. Fees and commissions may

also be higher than for other products or services, and the remuneration and profitability to BlackRock or its Affiliates and such personnel resulting from transactions on behalf of or management of the Funds may be greater than the remuneration and profitability resulting from other funds or products.

BlackRock and its Affiliates and their personnel may receive greater compensation or greater profit in connection with an account for which BlackRock serves as an adviser than with an account advised by an unaffiliated investment adviser. Differentials in compensation may be related to the fact that BlackRock may pay a portion of its advisory fee to its Affiliate, or relate to compensation arrangements, including for portfolio management, brokerage transactions or account servicing. Any differential in compensation may create a financial incentive on the part of BlackRock or its Affiliates and their personnel to recommend BlackRock over unaffiliated investment advisers or to effect transactions differently in one account over another.

BlackRock and its Affiliates may provide valuation assistance to certain clients with respect to certain securities or other investments and the valuation recommendations made for their clients' accounts may differ from the valuations for the same securities or investments assigned by a Fund's pricing vendors, especially if such valuations are based on broker-dealer quotes or other data sources unavailable to the Fund's pricing vendors. While BlackRock will generally communicate its valuation information or determinations to a Fund's pricing vendors and/or fund accountants, there may be instances where the Fund's pricing vendors or fund accountants assign a different valuation to a security or other investment than the valuation for such security or investment determined or recommended by BlackRock.

As disclosed in more detail in "Pricing of Shares — Determination of Net Asset Value" in this SAI, when market quotations are not readily available or are believed by BlackRock to be unreliable, a Fund's investments are valued at fair value by BlackRock, in accordance with procedures adopted by the Funds' Board of Directors. When determining a "fair value price," BlackRock seeks to determine the price that a Fund might reasonably expect to receive from the current sale of that asset or liability in an arm's-length transaction. The price generally may not be determined based on what a Fund might reasonably expect to receive for selling an asset or liability at a later time or if it holds the asset or liability to maturity. While fair value determinations will be based upon all available factors that BlackRock deems relevant at the time of the determination, and may be based on analytical values determined by BlackRock using proprietary or third party valuation models, fair value represents only a good faith approximation of the value of an asset or liability. The fair value of one or more assets or liabilities may not, in retrospect, be the price at which those assets or liabilities could have been sold during the period in which the particular fair values were used in determining a Fund's net asset value. As a result, a Fund's sale or redemption of its shares at net asset value, at a time when a holding or holdings are valued by BlackRock (pursuant to Board-adopted procedures) at fair value, may have the effect of diluting or increasing the economic interest of existing shareholders and may affect the amount of revenue received by BlackRock with respect to services for which it receives an asset-based fee.

To the extent permitted by applicable law, a Fund may invest all or some of its short term cash investments in any money market fund or similarly-managed private fund advised or managed by BlackRock. In connection with any such investments, a Fund, to the extent permitted by the Investment Company Act, may pay its share of expenses of a money market fund or other similarly-managed private fund in which it invests, which may result in a Fund bearing some additional expenses.

BlackRock and its Affiliates and their directors, officers and employees, may buy and sell securities or other investments for their own accounts and may have conflicts of interest with respect to investments made on behalf of a Fund. As a result of differing trading and investment strategies or constraints, positions may be taken by directors, officers, employees and Affiliates of BlackRock that are the same, different from or made at different times than positions taken for the Fund. To lessen the possibility that a Fund will be adversely affected by this personal trading, the Fund, BRIL and BlackRock each have adopted a Code of Ethics in compliance with Section 17(j) of the Investment Company Act that restricts securities trading in the personal accounts of investment professionals and others who normally come into possession of information regarding the Fund's portfolio transactions. Each Code of Ethics is also available on the EDGAR Database on the Commission's Internet site at <http://www.sec.gov>, and copies may be obtained, after paying a duplicating fee, by e-mail at publicinfo@sec.gov or by writing the Commission's Public Reference Section, Washington, DC 20549-0102. Information about accessing documents on the Commission's website may be obtained by calling the Commission at (800) SEC-0330.

BlackRock and its Affiliates will not purchase securities or other property from, or sell securities or other property to, a Fund, except that the Fund may in accordance with rules or guidance adopted under the Investment Company Act engage in transactions with accounts that are affiliated with the Fund as a result of common officers, directors, or investment advisers or pursuant to exemptive orders granted to the Funds and/or BlackRock by the Commission. These transactions would be effected in

circumstances in which BlackRock determined that it would be appropriate for the Fund to purchase and another client of BlackRock to sell, or the Fund to sell and another client of BlackRock to purchase, the same security or instrument on the same day. From time to time, the activities of a Fund may be restricted because of regulatory requirements applicable to BlackRock or its Affiliates and/or BlackRock's internal policies designed to comply with, limit the applicability of, or otherwise relate to such requirements. A client not advised by BlackRock would not be subject to some of those considerations. There may be periods when BlackRock may not initiate or recommend certain types of transactions, or may otherwise restrict or limit their advice in certain securities or instruments issued by or related to companies for which an Affiliate is performing investment banking, market making, advisory or other services or has proprietary positions. For example, when an Affiliate is engaged in an underwriting or other distribution of securities of, or advisory services for, a company, the Funds may be prohibited from or limited in purchasing or selling securities of that company. In addition, when BlackRock is engaged to provide advisory or risk management services for a company, BlackRock may be prohibited from or limited in purchasing or selling securities of that company on behalf of a Fund, particularly where such services result in BlackRock obtaining material non-public information about the company (e.g., in connection with participation in a creditors' committee). Similar situations could arise if personnel of BlackRock or its Affiliates serve as directors of companies the securities of which the Funds wish to purchase or sell. However, if permitted by applicable law, and where consistent with BlackRock's policies and procedures (including the necessary implementation of appropriate information barriers), the Funds may purchase securities or instruments that are issued by such companies, are the subject of an underwriting, distribution, or advisory assignment by an Affiliate or are the subject of an advisory or risk management assignment by BlackRock, or where personnel of BlackRock or its Affiliates are directors or officers of the issuer.

The investment activities of one or more Affiliates for their proprietary accounts and for client accounts may also limit the investment strategies and rights of the Funds. For example, in certain circumstances where the Funds invest in securities issued by companies that operate in certain regulated industries, in certain emerging or international markets, or are subject to corporate or regulatory ownership definitions, or invest in certain futures and derivative transactions, there may be limits on the aggregate amount invested by Affiliates (including BlackRock) for their proprietary accounts and for client accounts (including the Funds) that may not be exceeded without the grant of a license or other regulatory or corporate consent, or, if exceeded, may cause BlackRock, the Funds or other client accounts to suffer disadvantages or business restrictions. If certain aggregate ownership thresholds are reached or certain transactions undertaken, the ability of BlackRock on behalf of clients (including the Funds) to purchase or dispose of investments, or exercise rights or undertake business transactions, may be restricted by regulation or otherwise impaired. As a result, BlackRock on behalf of its clients (including the Funds) may limit purchases, sell existing investments, or otherwise restrict, forgo or limit the exercise of rights (including transferring, outsourcing or limiting voting rights or forgoing the right to receive dividends) when BlackRock, in its sole discretion, deems it appropriate in light of potential regulatory or other restrictions on ownership or other consequences resulting from reaching investment thresholds.

In those circumstances where ownership thresholds or limitations must be observed, BlackRock seeks to allocate limited investment opportunities equitably among clients (including the Funds), taking into consideration benchmark weight and investment strategy. When ownership in certain securities nears an applicable threshold, BlackRock may limit purchases in such securities to the issuer's weighting in the applicable benchmark used by BlackRock to manage the Fund. If client (including Fund) holdings of an issuer exceed an applicable threshold and BlackRock is unable to obtain relief to enable the continued holding of such investments, it may be necessary to sell down these positions to meet the applicable limitations. In these cases, benchmark overweight positions will be sold prior to benchmark positions being reduced to meet applicable limitations.

In addition to the foregoing, other ownership thresholds may trigger reporting requirements to governmental and regulatory authorities, and such reports may entail the disclosure of the identity of a client or BlackRock's intended strategy with respect to such security or asset.

To the extent permitted by applicable laws, BlackRock and its Affiliates may maintain securities indices as part of their product offerings. Index based funds seek to track the performance of securities indices and may use the name of the index in the fund name. Index providers, including BlackRock and its Affiliates may be paid licensing fees for use of their index or index name. BlackRock and its Affiliates will not be obligated to license their indices to BlackRock, and BlackRock cannot be assured that the terms of any index licensing agreement with BlackRock and its Affiliates will be as favorable as those terms offered to other index licensees.

BlackRock and its Affiliates may not serve as Authorized Participants in the creation and redemption of iShares exchange-traded funds, but may serve as Authorized Participants of third-party ETFs.

The custody arrangement described in “Management and Other Service Arrangements” may lead to potential conflicts of interest with BlackRock where BlackRock has agreed to waive fees and/or reimburse ordinary operating expenses in order to cap expenses of the Funds. This is because the custody arrangements with certain Funds’ custodian may have the effect of reducing custody fees when the Funds leave cash balances uninvested. When a Fund’s actual operating expense ratio exceeds a stated cap, a reduction in custody fees reduces the amount of waivers and/or reimbursements BlackRock would be required to make to the Fund. This could be viewed as having the potential to provide BlackRock an incentive to keep high positive cash balances for Funds with expense caps in order to offset fund custody fees that BlackRock might otherwise reimburse. However, BlackRock’s portfolio managers do not intentionally keep uninvested balances high, but rather make investment decisions that they anticipate will be beneficial to fund performance.

BlackRock may enter into contractual arrangements with third-party service providers to the Fund (e.g., custodians and administrators) pursuant to which BlackRock receives fee discounts or concessions in recognition of BlackRock’s overall relationship with such service providers. To the extent that BlackRock is responsible for paying these service providers out of its management fee, the benefits of any such fee discounts or concessions may accrue, in whole or in part, to BlackRock.

BlackRock or its Affiliates own or have an ownership interest in certain trading, portfolio management, operations and/or information systems used by Fund service providers. These systems are, or will be, used by a Fund service provider in connection with the provision of services to accounts managed by BlackRock and funds managed and sponsored by BlackRock, including the Funds, that engage the service provider (typically the custodian). A Fund’s service provider remunerates BlackRock or its Affiliates for the use of the systems. A Fund service provider’s payments to BlackRock or its Affiliates for the use of these systems may enhance the profitability of BlackRock and its Affiliates.

BlackRock’s or its Affiliates’ receipt of fees from a service provider in connection with the use of systems provided by BlackRock or its Affiliates may create an incentive for BlackRock to recommend that a Fund enter into or renew an arrangement with the service provider.

Present and future activities of BlackRock and its Affiliates, including BlackRock Advisors, LLC and BlackRock Fund Advisors, in addition to those described in this section, may give rise to additional conflicts of interest.

PURCHASE OF SHARES

Most BlackRock-advised open-end funds offer multiple classes of shares under a plan adopted under Rule 18f-3 under the Investment Company Act. Investor A Shares are sold to investors choosing the initial sales charge alternative, except that Investor A Shares of Index Funds (defined below) are generally not subject to an initial sales charge, and Investor C Shares are sold to investors choosing the deferred sales charge alternative. Investor P Shares are available only to certain investors purchasing shares of Funds through registered representatives of an insurance company’s broker-dealer that has entered into an agreement with the Distributor to offer such shares. Institutional Shares are sold to certain eligible investors without a sales charge. Certain Funds offer Class R Shares, which are available only to certain employer-sponsored retirement plans and are sold without a sales charge. In addition, certain Funds offer Service Shares, BlackRock Shares and/or Class K Shares that are available only to certain eligible investors. Please see the appropriate Prospectus for your Fund to determine which classes are offered by your Fund and under what circumstances. Each class has different exchange privileges. See “Shareholder Services — Exchange Privilege.”

The applicable offering price for purchase orders is based on the net asset value of a Fund next determined after receipt of the purchase order by a dealer or other financial intermediary (“Selling Dealer”) that has been authorized by the Distributor by contract to accept such orders. In addition, with respect to the affiliated underlying funds in which target date funds advised by BlackRock or its affiliates (“BlackRock Target Date Funds”) invest, the applicable offering price of each affiliated underlying fund is based on the net asset value of such affiliated underlying fund next determined after a purchase order is received, or deemed to be received upon receipt by a Selling Dealer, by the BlackRock Target Date Funds that allocate a portion of such purchase order to such affiliated underlying fund. As to purchase orders received by Selling Dealers or BlackRock Target Date Funds prior to the close of business on the New York Stock Exchange (“NYSE”) (generally, the NYSE closes at 4:00 p.m. Eastern time), on the day the order is placed, including orders received after the close of business on the previous day, the applicable offering price is based on the net asset value determined as of the close of business on the NYSE on that day. If the purchase orders are not received by the Selling Dealer or a BlackRock Target Date Fund before the close of business on the NYSE, such orders are deemed received on the next business day. It is the responsibility of brokers to transmit purchase orders and payment on a timely basis. Generally, if payment is not received within the period described in the Prospectuses, the order will be canceled, notice thereof will be given,

and the broker and its customers will be responsible for any loss to the Fund or its shareholders. Orders of less than \$500 may be mailed by a broker to the Transfer Agent.

The minimum investment for the initial purchase of shares is set forth in the Prospectus for each Fund. Each Fund has lower investment minimums for other categories of shareholders eligible to purchase Institutional Shares, including selected fee-based programs. Each Fund may permit a lower initial investment for certain investors if their purchase, combined with purchases by other investors received together by the Fund, meets the minimum investment requirement. Each Fund may, in its discretion, reject any purchase order, modify or waive the minimum initial or subsequent investment requirements, reject any order for any class of shares and suspend and resume the sale of any share class of any Fund at any time. The minimum initial investment for employees of a Fund, a Fund's Manager, Sub-Advisers or BRIL, or employees of their affiliates, is \$100, unless payment is made through a payroll deduction program, in which case the minimum investment is \$25.

Financial intermediaries may, in connection with a change in account type or otherwise in accordance with a financial intermediary's policies and procedures, exchange shares of a Fund from one class of shares to another class of shares of the same Fund, provided that the exchanged shares are not subject to a contingent deferred sales charge and that shareholders meet eligibility requirements of the new share class.

Each Fund or the Distributor may suspend the continuous offering of the Fund's shares of any class at any time in response to conditions in the securities markets or otherwise and may resume offering the shares from time to time. Any order may be rejected by a Fund or the Distributor. Neither the Distributor, the securities dealers nor other financial intermediaries are permitted to withhold placing orders to benefit themselves by a price change.

The term "purchase," as used in the Prospectus and this SAI, refers to (i) a single purchase by an individual, (ii) concurrent purchases by an individual, his or her spouse and their children purchasing shares for his, her or their own account, and (iii) single purchases by a trustee or other fiduciary purchasing shares for a single trust estate or single fiduciary account although more than one beneficiary may be involved. The term "purchase" also includes purchases by any "company," as that term is defined in the Investment Company Act, but does not include purchases by (i) any company that has not been in existence for at least six months, (ii) a company that has no purpose other than the purchase of shares of a Fund or shares of other registered investment companies at a discount, or (iii) any group of individuals whose sole organizational nexus is that its participants are credit cardholders of a company, policyholders of an insurance company, customers of either a bank or broker-dealer or clients of an investment adviser.

With certain limited exceptions, the Funds are generally available only to investors residing in the United States and may not be distributed by a foreign financial intermediary. Under this policy, in order to accept new accounts or additional investments (including by way of exchange from another Fund) into existing accounts, a Fund generally requires that (i) a shareholder that is a natural person be a U.S. citizen or resident alien, in each case residing within the United States or a U.S. territory (including APO/FPO/DPO addresses), and have a valid U.S. taxpayer identification number, and (ii) a financial intermediary or a shareholder that is an entity be domiciled in the United States and have a valid U.S. taxpayer identification number or be domiciled in a U.S. territory and have a valid U.S. taxpayer identification number or IRS Form W-8. Any existing account that is updated to reflect a non-U.S. address will also be restricted from making additional investments.

In-Kind Purchases. Payment for shares of a Fund may, at the discretion of BlackRock, be made in the form of securities that are permissible investments for the Fund and that meet the investment objective, policies and limitations of the Fund as described herein. In connection with an in-kind securities payment, the Fund may require, among other things, that the securities: (i) be valued on the day of purchase in accordance with the pricing methods used by the Fund; (ii) be accompanied by satisfactory assurance that the Fund will have good and marketable title to such securities; (iii) not be subject to any restrictions upon resale by the Fund; (iv) be in proper form for transfer to the Fund; and (v) be accompanied by adequate information concerning the basis and other tax matters relating to the securities. All dividends, interest, subscription or other rights pertaining to such securities shall become the property of the Fund engaged in the in-kind purchase transaction and must be delivered to the Fund by the investor upon receipt from the issuer. Shares purchased in exchange for securities generally cannot be redeemed until the transfer has settled.

Institutional Shares

Institutional Shares may be purchased at net asset value without a sales charge. Only certain investors are eligible to purchase Institutional Shares. Investors who are eligible to purchase Institutional Shares should purchase Institutional Shares because they

are not subject to any sales charge and have lower ongoing expenses than Investor A, Investor C, Investor P, Class R or Service Shares.

Eligible Institutional Share Investors

Institutional Shares of the Funds may be purchased by customers of broker-dealers and agents that have established a servicing relationship with the Fund on behalf of their customers. These broker-dealers and agents may impose additional or different conditions on the purchase or redemption of Fund shares by their customers and may charge their customers transaction, account or other fees on the purchase and redemption of Fund shares. Each broker-dealer or agent is responsible for transmitting to its customers a schedule of any such fees and information regarding any additional or different conditions regarding purchases and redemptions. Shareholders who are customers of such broker-dealers or agents should consult them for information regarding these fees and conditions.

Payment for Institutional Shares must normally be made in Federal funds or other funds immediately available by 4 p.m. (Eastern time) on the first business day following receipt of the order. If payment for a purchase order is not received by the prescribed time, an investor may be liable for any resulting losses or expenses incurred by the Fund.

Certain of the Funds offer Institutional Shares as described in each such Fund's Prospectus. In addition, the following investors may purchase Institutional Shares: employees, officers and directors/trustees of BlackRock, Inc., BlackRock Funds, Bank of America Corporation ("BofA Corp."), The PNC Financial Services Group Inc., Barclays PLC or their respective affiliates and immediate family members of such persons, if they open an account directly with BlackRock; individuals and "Institutional Investors" with a minimum initial investment of \$2 million who may purchase shares of a Fund through a financial intermediary that has entered into an agreement with the Distributor to purchase such shares ("Institutional Investors" include, but are not limited to, endowments, foundations, family offices, local, city, and state governmental institutions, corporations, and insurance company separate accounts); employer-sponsored retirement plans (which, for this purpose, do not include SEP IRAs, SIMPLE IRAs or SARSEPs), state sponsored 529 college savings plans, collective trust funds, investment companies or other pooled investment vehicles, unaffiliated thrifts and unaffiliated banks and trust companies, each of which may purchase shares of the Fund through a financial intermediary that has entered into an agreement with the Distributor to purchase such shares; clients of financial intermediaries that: (i) charge such clients a fee for advisory, investment consulting, or similar services or (ii) have entered into an agreement with the Distributor to offer Institutional Shares through a no-load program or investment platform, in each case, with no minimum initial investment; clients investing through financial intermediaries that have entered into an agreement with the Distributor to offer such shares on a platform that charges a transaction based sales commission outside of the Fund, with a minimum initial investment of \$1,000; tax-qualified accounts for insurance agents that are registered representatives of an insurance company's broker-dealer that has entered into an agreement with the Distributor to offer Institutional Shares, and the family members of such persons, with a minimum initial investment of \$1,000; clients of the trust departments of PNC Bank and Bank of America, N.A. and their affiliates for whom they (i) act in a fiduciary capacity (excluding participant directed employee benefit plans), (ii) otherwise have investment discretion, or (iii) act as custodian for at least \$2 million in assets; and holders of certain BofA Corp. sponsored unit investment trusts (UITs) who reinvest dividends received from such UITs in shares of a Fund.

Purchase Privileges of Certain Persons. Employees, officers, directors/trustees of BlackRock, Inc., BlackRock Funds, BofA Corp., The PNC Financial Services Group Inc., or their respective affiliates; and any trust, pension, profit-sharing or other benefit plan for such persons may purchase Institutional Shares at lower minimums as stated in each Fund's Prospectus. In addition, employees, officers, directors/trustees previously associated with PNC Global Investment Servicing (U.S.) Inc. in its capacity as the Funds' former Transfer Agent and/or accounting agent, and who, prior to July 1, 2010, acquired Investor A Shares in a Fund without paying a sales charge based on a waiver for such persons previously in effect, may continue to buy Investor A Shares in such Fund without paying a sales charge. A Fund realizes economies of scale and reduction of sales-related expenses by virtue of the familiarity of these persons with the Fund. Employees, directors, and board members of other funds wishing to purchase shares of a Fund must satisfy the Fund's suitability standards.

Initial Sales Charge Alternative — Investor A Shares

Investors who prefer an initial sales charge alternative may elect to purchase Investor A Shares. Investor A1 Shares are offered only (i) for purchase by certain employer-sponsored retirement plans and fee-based programs that have been previously approved by certain Funds, and (ii) to certain investors who currently hold Investor A1 Shares for dividend and capital gain reinvestment only. The Investor A1 initial sales charge does not apply to the transactions described in (i) and (ii). For ease of reference, Investor A,

Investor A1 and Investor P (discussed below) Shares are sometimes referred to herein as “front-end load shares.” Investor A Shares of Index Funds (defined below) generally are not subject to an initial sales charge or front-end load.

Investors qualifying for significantly reduced initial sales charges may find the initial sales charge alternative particularly attractive because similar sales charge reductions are not available with respect to the deferred sales charges imposed in connection with investments in Investor C, Investor C1, Investor C2 and Investor C3 Shares (sometimes referred to herein as “CDSC shares”). Investors who do not qualify for reduced initial sales charges and who expect to maintain their investment for an extended period of time also may elect to purchase Investor A Shares, because over time the accumulated ongoing service and distribution fees on CDSC shares may exceed the front-end sales charge shares’ initial sales charge and service fee. Although some investors who previously purchased Institutional Shares may no longer be eligible to purchase Institutional Shares of other Funds, those previously purchased Institutional Shares, together with all BlackRock front-end load and CDSC share holdings, will count toward a right of accumulation that may qualify the investor for a reduced initial sales charge on new initial sales charge purchases. In addition, the ongoing CDSC shares service and distribution fees will cause CDSC shares to have higher expense ratios, pay lower dividends and have lower total returns than the initial sales charge shares. The ongoing front-end load shares’ service fees will cause Investor A, Investor A1, Investor P and Service Shares to have a higher expense ratio, pay lower dividends and have a lower total return than Institutional Shares.

See “Information on Sales Charges and Distribution Related Expenses — Investor A Sales Charge Information” in Part I of each Fund’s SAI for information about amounts paid to the Distributor in connection with Investor A and Investor A1 Shares for the periods indicated.

The Distributor may reallow discounts to selected securities dealers and other financial intermediaries and retain the balance over such discounts. At times a Distributor may reallow the entire sales charge to such dealers. Since securities dealers and other financial intermediaries selling front-end load shares of a Fund will receive a concession equal to most of the sales charge, they may be deemed to be underwriters under the Securities Act.

Initial Sales Charge — Investor P Shares

Certain Funds offer Investor P Shares as described in each such Fund’s Prospectus. Investor P Shares are available for purchase only through registered representatives of an insurance company’s broker-dealer that has entered into an agreement with the Distributor to offer such shares and are subject to an initial sales charge. The ongoing front-end load shares’ service fees will cause Investor P Shares to have a higher expense ratio, pay lower dividends and have a lower total return than Investor A Shares of the same Fund.

See “Information on Sales Charges and Distribution Related Expenses” in Part I of each Fund’s SAI for information about amounts paid to the Distributor in connection with Investor P Shares for the periods indicated.

The Distributor may reallow discounts to selected securities dealers and other financial intermediaries and retain the balance over such discounts. At times a Distributor may reallow the entire sales charge to such dealers. Since securities dealers and other financial intermediaries selling front-end load shares of a Fund will receive a concession equal to most of the sales charge, they may be deemed to be underwriters under the Securities Act.

Reduced Initial Sales Charges

Certain investors may be eligible for a reduction in or waiver of a sales load due to the nature of the investors and/or the reduced sales efforts necessary to obtain their investments. Financial intermediaries may, in connection with a change in account type or otherwise in accordance with a financial intermediary’s policies and procedures, exchange shares of a Fund from one class of shares to another class of shares of the same Fund provided that the exchanged shares are not subject to a contingent deferred sales charge and that shareholders meet the eligibility requirements of the new share class. Certain sales load reductions and waivers may be available to customers of certain financial intermediaries, as described under “Intermediary-Defined Sales Charge Waiver Policies” in the Fund’s prospectus.

Reinvested Dividends. No sales charges are imposed upon shares issued as a result of the automatic reinvestment of dividends.

Rights of Accumulation. Investors have a “right of accumulation” under which the current value of an investor’s existing Investor A, Investor A1, Investor B, Investor C, Investor C1, Investor C2, Investor C3, Investor P, Institutional and Class K Shares in most BlackRock Funds and the investment in the BlackRock CollegeAdvantage 529 Program by the investor or by or on behalf of the investor’s spouse and children may be combined with the amount of the current purchase in determining whether an

investor qualifies for a breakpoint and a reduced front-end sales charge. Financial intermediaries may value current holdings of their customers differently for purposes of determining whether an investor qualifies for a breakpoint and a reduced front-end sales charge, although customers of the same financial intermediary will be treated similarly. In order to use this right, the investor must alert BlackRock to the existence of any previously purchased shares. Certain Funds employ a “passive” management approach and attempt to match the performance of a target index as closely as possible before the deduction of Fund expenses (“Index Funds”). Although Investor A Shares of Index Funds generally are not subject to a sales charge, an investor’s existing Investor A, Investor A1, Investor C, Investor C1, Investor C2, Investor C3, Investor P, Institutional and Class K Shares in the Index Funds may be combined with the amount of an investor’s current purchase in determining whether an investor qualifies for a breakpoint and a reduced front-end sales charge.

Letter of Intent. An investor may qualify for a reduced front-end sales charge immediately by signing a “Letter of Intent” stating the investor’s intention to buy a specified amount of Investor A, Investor C, Investor P, Institutional and/or Class K Shares and/or make an investment through the BlackRock CollegeAdvantage 529 Program in one or more BlackRock Funds within the next 13 months that would, if bought all at once, qualify the investor for a reduced sales charge. The initial investment must meet the minimum initial purchase requirement. The 13-month Letter of Intent period commences on the day that the Letter of Intent is received by the Fund. The market value of current holdings in the BlackRock Funds (including Investor A, Investor B, Investor C, Investor P, Institutional and Class K Shares and the BlackRock CollegeAdvantage 529 Program Class A and Class C Units) as of the date of commencement that are eligible under the Right of Accumulation may be counted towards the sales charge reduction. The investor must notify the Fund of (i) any current holdings in the BlackRock Funds and/or the BlackRock CollegeAdvantage 529 Program that should be counted towards the sales charge reduction and (ii) any subsequent purchases that should be counted towards the Letter of Intent. During the term of the Letter of Intent, the Fund will hold Investor A Shares and/or Investor P Shares, as applicable, representing up to 5% of the indicated amount in an escrow account for payment of a higher sales load if the full amount indicated in the Letter of Intent is not purchased. If the full amount indicated is not purchased within the 13-month period, and the investor does not pay the higher sales load within 20 days, the Fund will redeem enough of the Investor A Shares and/or Investor P Shares, as applicable, held in escrow to pay the difference.

Other. The following persons may also buy Investor A or Investor P Shares without paying a sales charge: (a) certain employer-sponsored retirement plans (for purposes of this waiver, employer-sponsored retirement plans do not include SEP IRAs, SIMPLE IRAs or SARSEPs); (b) rollovers of current investments through certain employer-sponsored retirement plans provided the shares are transferred to the same BlackRock Fund as either a direct rollover, or subsequent to distribution, the rolled-over proceeds are contributed to a BlackRock IRA through an account directly with the Fund; or purchases by IRA programs that are sponsored by financial intermediary firms provided the financial intermediary firm has entered into a Class A or Investor P Net Asset Value agreement, as applicable, with respect to such program with the Distributor; (c) insurance company separate accounts; (d) registered investment advisers, trust companies and bank trust departments exercising discretionary investment authority with respect to amounts to be invested in a Fund; (e) persons participating in a fee-based program (such as a wrap account) under which they pay advisory fees to a broker-dealer or other financial institution; (f) financial intermediaries who have entered into an agreement with the Distributor and have been approved by the Distributor to offer Fund shares to self-directed investment brokerage accounts that may or may not charge a transaction fee; (g) state sponsored 529 college savings plans; and (h) persons involuntarily liquidated from a Fund, who within 60 days of liquidation buy new shares of another BlackRock Fund (but only up to the amount that was liquidated). The following persons associated with the Funds, the Fund’s Manager, Sub-Advisers, Transfer Agent, Distributor, fund accounting agents, Barclays PLC and their affiliates may buy Investor A or Investor P Shares of each of the Funds without paying a sales charge to the extent permitted by these firms including: (a) officers, directors and partners; (b) employees and retirees; (c) employees or registered representatives of firms who have entered into selling agreements to distribute shares of BlackRock-advised funds; (d) immediate family members of such persons (“immediate family members” shall be defined as the investor, the investor’s spouse or domestic partner, children, parents and siblings); and (e) any trust, pension, profit-sharing or other benefit plan for any of the persons set forth in (a) through (d). Investors who qualify for any of these exemptions from the sales charge should purchase Investor A or Investor P Shares. In addition, a sales charge waiver may be available for investors exchanging Investor A Shares of one BlackRock Fund for Investor P Shares of another BlackRock Fund, or exchanging Investor P Shares of one BlackRock Fund for Investor A Shares of another BlackRock Fund, through an intermediary-processed exchange, provided that the investor had previously paid a sales charge with respect to such shares. The availability of Investor A or Investor P Shares sales charge waivers may depend upon the policies, procedures and trading platforms of your financial intermediary; consult your financial adviser.

If you invest \$1,000,000 (\$250,000 for BlackRock Event Driven Equity Fund of BlackRock Large Cap Series, Inc. and BlackRock Global Allocation Fund, Inc.) or more in Investor A or Investor P Shares, as applicable, you may not pay an initial sales charge.

However, if you redeem your Investor A or Investor P Shares, as applicable, within eighteen months after purchase, you may be charged a deferred sales charge. The deferred sales charge on Investor A or Investor P Shares, as applicable, is not charged in connection with: (a) redemptions of Investor A or Investor P Shares purchased through certain employer-sponsored retirement plans and rollovers of current investments in a Fund through such plans; (b) exchanges described in “Exchange Privilege” below; (c) redemptions made in connection with minimum required distributions due to the shareholder reaching age 70 ½ from IRA and 403(b)(7) accounts; (d) certain post-retirement withdrawals from an IRA or other retirement plan if you are over 59 ½ years old and you purchased your shares prior to October 2, 2006; (e) redemptions made with respect to certain retirement plans sponsored by a Fund, BlackRock or its affiliates; (f) redemptions (i) within one year of a shareholder’s death or, if later, the receipt of a certified probate settlement (including in connection with the distribution of account assets to a beneficiary of the decedent) or (ii) in connection with a shareholder’s disability (as defined in the Code) subsequent to the purchase of Investor A or Investor P Shares; (g) involuntary redemptions of Investor A or Investor P Shares in accounts with low balances; (h) certain redemptions made pursuant to the Systematic Withdrawal Plan (described below); (i) redemptions related to the payment of BNY Mellon Investment Servicing Trust Company custodial IRA fees; and (j) redemptions when a shareholder can demonstrate hardship, in the absolute discretion of a Fund.

With respect to certain employer-sponsored retirement plans, if a dealer waives its right to receive a placement fee, the Fund may, at its own discretion, waive the CDSC (as defined below) related to purchases of \$1,000,000 (\$250,000 for BlackRock Event Driven Equity Fund of BlackRock Large Cap Series Funds, Inc. and BlackRock Global Allocation Fund, Inc.) or more of Investor A or Investor P Shares. This may depend upon the policies, procedures and trading platforms of your financial intermediary; consult your financial adviser.

Investor A and Investor P Shares are also available at net asset value to investors that, for regulatory reasons, are required to transfer investment positions from a foreign registered investment company advised by BlackRock or its affiliates to a U.S. registered BlackRock-advised fund.

Placement Fees.

BlackRock may pay placement fees to dealers, up to the following amounts, on purchases of Investor A Shares of all Funds.

Except as noted below these placement fees may be up to the following amounts:

\$1 million but less than \$3 million	1.00%
\$3 million but less than \$15 million	0.50%
\$15 million and above	0.25%

With respect to BlackRock Event Driven Equity Fund of BlackRock Large Cap Series Funds, Inc. and BlackRock Global Allocation Fund, Inc., the placement fees may be up to the following amounts:

\$250,000 but less than \$3 million	1.00%
\$3 million but less than \$15 million	0.50%
\$15 million and above	0.25%

There are no placement fees for Investor P Shares of iShares MSCI EAFE International Index Fund and iShares Russell 2000 Small-Cap Index Fund, each a series of BlackRock Index Funds, Inc., and iShares S&P 500 Index Fund, a series of BlackRock Funds III.

For the tables above, the placement fees indicated will apply up to the indicated breakpoint (so that, for example, a sale of \$4 million worth of Investor A Shares of BlackRock Global Allocation Fund, Inc. will result in no placement fee for the first \$250,000, a placement fee of up to 1.00% for the next \$2.75 million and a placement fee of up to 0.50% on the final \$1 million).

Acquisition of Certain Investment Companies. Investor A and Investor P Shares may be offered at net asset value in connection with the acquisition of the assets of, or merger or consolidation with, a personal holding company or a public or private investment company.

Purchases Through Certain Financial Intermediaries. Reduced sales charges may be applicable for purchases of Investor A, Investor A1 or Investor P Shares of a Fund through certain financial advisers, selected securities dealers and other financial intermediaries that meet and adhere to standards established by the Manager from time to time.

Deferred Sales Charge Alternative — Investor C Shares

Investors choosing the deferred sales charge alternative should consider Investor C Shares if they are uncertain as to the length of time they intend to hold their assets in a Fund. If you select Investor C Shares, you do not pay an initial sales charge at the time of

purchase. A Fund will not accept a purchase order of \$500,000 or more for Investor C Shares (may be lower on funds that have set a lower breakpoint for NAV). Your financial intermediary may set a lower maximum for Investor C Shares.

If you select Investor C, Investor C1, Investor C2 or Investor C3 Shares, you do not pay an initial sales charge at the time of purchase. Investor C1, Investor C2 and Investor C3 Shares are offered only (i) for purchase by certain employer-sponsored retirement plans and fee-based programs previously approved by certain Funds, and (ii) to certain investors who currently hold Investor C1, Investor C2 or Investor C3 Shares for dividend and capital gain reinvestment.

The deferred sales charge alternatives may be particularly appealing to investors who do not qualify for the reduction in initial sales charges. CDSC shares are subject to ongoing service fees and distribution fees; however, these fees potentially may be offset to the extent any return is realized on the additional funds initially invested in CDSC shares.

BlackRock compensates financial advisers and other financial intermediaries for selling CDSC shares at the time of purchase from its own funds. Proceeds from the CDSC (as defined below) and the distribution fee are paid to the Distributor and are used by the Distributor to defray the expenses of securities dealers or other financial intermediaries related to providing distribution-related services to each Fund in connection with the sale of the CDSC shares. The combination of the CDSC and the ongoing distribution fee facilitates the ability of each Fund to sell the CDSC shares without a sales charge being deducted at the time of purchase. See “Distribution and/or Shareholder Servicing Plans” below. Imposition of the CDSC and the distribution fee on CDSC shares is limited by the NASD asset-based sales charge rule. See “Limitations on the Payment of Deferred Sales Charges” below.

Dealers will generally immediately receive commissions equal to 1.00% of the Investor C Shares sold by them plus ongoing fees under the Fund’s Distribution and Service Plan. Dealers may not receive a commission in connection with sales of Investor C, Investor C1, Investor C2 or Investor C3 Shares to certain employer-sponsored retirement plans sponsored by the Fund, BlackRock or its affiliates, but may receive fees under the Amended and Restated Distribution and Service Plan. These commissions and payments may be different than the reallowances, placement fees and commissions paid to dealers in connection with sales of Investor A, Investor A1 and Investor P Shares. These may depend upon the policies, procedures and trading platforms of your financial intermediary; consult your financial adviser.

Prior to November 8, 2018, Investor C, C1, C2 and C3 Shares do not offer a conversion privilege. Effective November 8, 2018, each Fund will adopt an automatic conversion feature for Investor C, C1, C2 and C3 Shares. Investor C, C1, C2 and C3 Shares will be converted into Investor A Shares, as set forth in each Fund’s prospectus, of a Fund after a conversion period of approximately ten years, and, thereafter, investors will be subject to lower ongoing fees.

Conversion of Investor C Shares to Investor A Shares

Effective November 8, 2018 (the “Effective Date”), approximately ten years after purchase, Investor C, C1, C2 and C3 Shares, as applicable, of each Fund will convert automatically into Investor A Shares of that Fund (the “Investor C Conversion”). Certain funds (the “Predecessor Funds”) were reorganized into new Funds (the “Successor Funds”) pursuant to reorganizations which occurred in September 2018. The holding period for Investor C Shares of Successor Funds includes the period such shares were held in the respective Predecessor Fund. It is the Financial Intermediary’s responsibility to ensure that the shareholder is credited with the proper holding period. As of the Effective Date, certain Financial Intermediaries, including group retirement recordkeeping platforms, may not have been tracking such holding periods and therefore may not be able to process such conversions. In such instances, Investor C Shares held as of the Effective Date will automatically convert to Investor A Shares ten years after the Effective Date. If, as of November 8, 2028 (ten years after the Effective Date), a Financial Intermediary has not implemented systems or procedures to track holding periods commencing from the Effective Date, shareholders holding Investor C, C1, C2 or C3 Shares, as applicable, through such Financial Intermediary will no longer be eligible to hold Investor C, C1, C2 or C3 Shares, as applicable, and any such shares will convert to Investor A Shares on such date.

The Investor C Conversion will occur at least once each month (on the “Investor C Conversion Date”) on the basis of the relative net asset value of the shares of the two applicable classes on the Investor C Conversion Date, without the imposition of any sales load, fee or other charge. The Investor C Conversion will not be deemed a purchase or sale of the shares for Federal income tax purposes. Shares acquired through reinvestment of dividends on Investor C Shares will also convert automatically to Investor A Shares, as set forth in each Fund’s prospectus. The Investor C Conversion Date for dividend reinvestment shares will be calculated taking into account the length of time the shares underlying the dividend reinvestment shares were outstanding.

Contingent Deferred Sales Charge — Investor C Shares

Investor C, Investor C1, Investor C2 and Investor C3 Shares that are redeemed within one year of purchase may be subject to a 1.00% CDSC charged as a percentage of the dollar amount subject thereto. The CDSC does not apply to redemptions of Investor C1, Investor C2 and Investor C3 Shares by certain employer-sponsored retirement plans and to redemptions of Investor C1, Investor C2 and Investor C3 Shares acquired through the reinvestment of dividends and capital gains by existing shareholders. In determining whether an Investor C Shares CDSC is applicable to a redemption, the calculation will be determined in the manner that results in the lowest possible rate being charged. The charge will be assessed on an amount equal to the lesser of the proceeds of redemption or the cost of the shares being redeemed. Accordingly, no CDSC will be imposed on increases in net asset value above the initial purchase price of Investor C Shares. In addition, no CDSC will be assessed on Investor C Shares acquired through reinvestment of dividends. It will be assumed that the redemption is first of shares held for over one year or shares acquired pursuant to reinvestment of dividends and then of shares held longest during the one-year period. A transfer of shares from a shareholder's account to another account will be assumed to be made in the same order as a redemption.

See “Information on Sales Charges and Distribution Related Expenses — Investor C Sales Charge Information” in Part I of each Fund's SAI for information about amounts paid to the Distributor in connection with CDSC shares for the periods indicated.

Investor C Shares — Contingent Deferred Sales Charge Waivers and Reductions

The CDSC on Investor C, Investor C1, Investor C2 and Investor C3 Shares is not charged in connection with: (1) redemptions of Investor C, Investor C1, Investor C2 and Investor C3 Shares purchased through certain employer-sponsored retirement plans and fee-based programs previously approved by certain Funds and rollovers of current investments in the Fund through such plans; (2) exchanges described in “Exchange Privilege” below; (3) redemptions made in connection with minimum required distributions due to the shareholder reaching age 70 ½ from IRA and 403(b)(7) accounts; (4) certain post-retirement withdrawals from an IRA or other retirement plan if you are over 59 ½ years old and you purchased your shares prior to October 2, 2006; (5) redemptions made with respect to certain retirement plans sponsored by the Fund, BlackRock or its affiliates; (6) redemptions in connection with a shareholder's death as long as the waiver request is made within one year of death or, if later, reasonably promptly following completion of probate (including in connection with the distribution of account assets to a beneficiary of the decedent) or disability (as defined in the Code) subsequent to the purchase of Investor C, Investor C1, Investor C2 or Investor C3 Shares; (7) withdrawals resulting from shareholder disability (as defined in the Code) as long as the disability arose subsequent to the purchase of the shares; (8) involuntary redemptions of Investor C, Investor C1, Investor C2 or Investor C3 Shares in accounts with low balances as described in “Redemption of Shares” below; (9) redemptions made pursuant to a systematic withdrawal plan, subject to the limitations set forth under “Systematic Withdrawal Plan” below; (10) redemptions related to the payment of BNY Mellon Investment Servicing Trust Company custodial IRA fees; and (11) redemptions when a shareholder can demonstrate hardship, in the absolute discretion of the Fund. In addition, no CDSC is charged on Investor C, Investor C1, Investor C2 or Investor C3 Shares acquired through the reinvestment of dividends or distributions.

Certain CDSC waivers and reductions on Investor C Shares may be available to customers of certain financial intermediaries, as described under “Intermediary-Defined Sales Charge Waiver Policies” in the Fund's prospectus.

Class R Shares

Certain of the Funds offer Class R Shares as described in each such Fund's Prospectus. Class R Shares are available only to certain employer-sponsored retirement plans. Class R Shares are not subject to an initial sales charge or a CDSC but are subject to an ongoing distribution fee of 0.25% per year and an ongoing service fee of 0.25% per year. Distribution fees are used to support the Fund's marketing and distribution efforts, such as compensating financial advisers and other financial intermediaries, advertising and promotion. Service fees are used to compensate securities dealers and other financial intermediaries for service activities. If Class R Shares are held over time, these fees may exceed the maximum sales charge that an investor would have paid as a shareholder of one of the other share classes.

Class K Shares

Class K Shares of the Fund are available only to (i) certain employee benefit plans, such as health savings accounts, and certain employer-sponsored retirement plans (not including SEP IRAs, SIMPLE IRAs and SARSEPs) (collectively, “Employer-Sponsored Retirement Plans”), (ii) collective trust funds, investment companies and other pooled investment vehicles, each of which may

purchase shares of the Fund through a financial intermediary that has entered into an agreement with the Fund's Distributor to purchase such shares, (iii) "Institutional Investors," which include but are not limited to, endowments, foundations, family offices, banks and bank trusts, local, city, and state governmental institutions, corporations and insurance company separate accounts, each of which may purchase shares of the Fund through a financial intermediary that has entered into an agreement with the Fund's Distributor to purchase such shares, (iv) fee-based advisory platforms of a Financial Intermediary that (a) has specifically acknowledged in a written agreement with the Fund's Distributor and/or its affiliate(s) that the Financial Intermediary shall offer such shares to fee-based advisory clients through an omnibus account held at the Fund or (b) transacts in the Fund's shares through another intermediary that has executed such an agreement and (v) any other investors who met the eligibility criteria for BlackRock Shares or Class K Shares prior to August 15, 2016 and have continually held Class K Shares of the Fund in the same account since August 15, 2016. The agreement referenced in (iv) above shall appear in a supplemental agreement to any selling, sub-transfer agent, or distribution and marketing agreement.

Class K Shares of the Fund are also available to employees, officers and directors/trustees of BlackRock, Inc. and BlackRock Funds and immediate family members of such persons, if they open an account directly with BlackRock. Eligible individuals who would like to convert existing holdings to Class K Shares must contact BlackRock.

Service Shares

Certain Funds offer Service Shares, which are available only to certain investors, including: (i) certain financial institutions, such as banks and brokerage firms, acting on behalf of their customers; (ii) certain persons who were shareholders of the Compass Capital Group of Funds at the time of its combination with The PNC® Fund in 1996; and (iii) participants in the Capital DirectionsSM asset allocation program. Service Shares are not subject to an initial sales charge or a CDSC but are subject to an ongoing service fee as set forth in the applicable Fund's Prospectus.

BlackRock Shares

Certain Funds offer BlackRock Shares, which are available only to certain investors. BlackRock Shares are offered without a sales charge to institutional and individual investors, registered investment advisers and certain fee-based programs.

Distribution and/or Shareholder Servicing Plans

Each Fund has adopted a plan (each, a "Plan") pursuant to Rule 12b-1 under the Investment Company Act with respect to certain share classes that allows the Fund to pay distribution fees for the sale of its shares and shareholder servicing fees for certain services provided to its shareholders.

Pursuant to the Plans, a Fund may pay BRIL and/or BlackRock, or any other affiliate or significant shareholder of BlackRock, fees for distribution and sales support services with respect to Investor A, Investor A1, Investor C, Investor C1, Investor C2, Investor C3, Investor P, Service and Class R Shares. Currently, as described further below, only Investor C, Investor C1, Investor C2, Investor C3 and Class R Shares bear the expense of distribution fees under a Plan.

Each Fund has entered into a distribution agreement with BRIL under which BRIL, as agent, offers shares of each Fund on a continuous basis. BRIL has agreed to use appropriate efforts to effect sales of the shares, but it is not obligated to sell any particular amount of shares. BRIL's principal business address is 40 East 52nd Street, New York, NY 10022. BRIL is an affiliate of BlackRock.

Pursuant to the Plans, each Fund may also pay shareholder servicing fees (also referred to as general shareholder liaison services fees) to affiliated and unaffiliated brokers, dealers, financial institutions, insurance companies, retirement plan record-keepers and other financial intermediaries (including BlackRock, BRIL, PNC and their affiliates) (collectively, "Service Organizations") for certain support services rendered by Service Organizations to their customers ("Customers") who are the beneficial owners of Investor A, Investor A1, Investor C, Investor C1, Investor C2, Investor C3, Investor P, Service and Class R Shares of a Fund. Such services are intended to supplement the services provided by the Fund's Administrators and Transfer Agent to the Fund's shareholders of record.

The support services provided by Service Organizations are general shareholder liaison services, which include, but are not limited to: (i) answering Customer inquiries regarding account status and history, the manner in which purchases, exchanges and redemptions or repurchases of shares may be effected and certain other matters pertaining to the Customers' investments; and

(ii) assisting Customers in designating and changing dividend options, account designations and addresses. The shareholder servicing fees payable pursuant to the Plans are paid to compensate Service Organizations for the administration and servicing of shareholder accounts and are not costs which are primarily intended to result in the sale of the Fund's shares.

Payments under the Plans are based on a percentage of average daily net assets attributable to the shares in the applicable share class regardless of the amount of expenses incurred. As a result, payments under the Plans may be more or less than expenses incurred in connection with providing distribution and/or shareholder services with respect to the related class. Information with respect to the payments under the Plans and expenses incurred in providing services with respect to the related class is presented to the Directors for their consideration quarterly. Payments under the Plans consist of the shareholder servicing fees and the distribution fees. Expenses with respect to providing distribution and/or shareholder services with respect to a class may consist of Service Organization financial adviser compensation, branch office and regional operation center selling and transaction processing expenses, advertising, sales promotion and marketing expenses. Payments under the Plans with respect to one class will not be used to finance the expenditures of another class. Sales personnel may receive different compensation for selling different classes of shares.

Each Plan is subject to the provisions of Rule 12b-1 under the Investment Company Act. In their consideration of a Plan, the Directors must consider all factors they deem relevant, including information as to the benefits of the Plan to the Fund and the related class of shareholders. In approving a Plan in accordance with Rule 12b-1, the non-interested Directors concluded that there is reasonable likelihood that the Plan will benefit the Fund and its related class of shareholders. The Plan provides, among other things, that: (i) the Board of Directors shall receive quarterly reports regarding the amounts expended under the Plan and the purposes for which such expenditures were made; (ii) the Plan will continue in effect for so long as its continuance is approved at least annually by the Board of Directors, including the directors who are not "interested persons" of the Fund (as defined in the Investment Company Act) and who have no direct or indirect financial interest in the operation of the Plan or any agreement entered into in connection with the Plan (the "12b-1 Directors"), acting in person at a meeting called for said purpose in accordance with Rule 12b-1 under the Investment Company Act; (iii) any material amendment thereto must be approved by the Board of Directors, including the 12b-1 Directors, acting in person at a meeting called for said purpose; (iv) any amendment to increase materially the costs which any class of shares may bear for distribution services pursuant to the Plan shall be effective only upon approval by a vote of a majority of the outstanding shares of such class and by a majority of the Board of Directors, including the 12b-1 Directors, acting in person at a meeting called for said purpose; and (v) while the Plan remains in effect, the selection and nomination of the Fund's Directors who are not "interested persons" of the Fund shall be committed to the discretion of the Fund's non-interested Directors. Rule 12b-1 further requires that each Fund preserve copies of each Plan and any report made pursuant to such Plan for a period of not less than six years from the date of the Plan or such report, the first two years in an easily accessible place.

Each Plan is terminable as to any class of shares without penalty at any time by a vote of a majority of the 12b-1 Directors, or by vote of the holders of a majority of the shares of such class.

See "Distribution Related Expenses" in Part I of each Fund's SAI for information relating to the fees paid by your Fund to the Distributor under each Plan during the Fund's most recent fiscal year.

Limitations on the Payment of Deferred Sales Charges

The maximum sales charge rule in the Conduct Rules of the Financial Industry Regulatory Authority ("FINRA") imposes a limitation on certain asset-based sales charges such as the distribution fee borne by Class R Shares, and the distribution fee and the CDSC borne by the Investor C Shares. This limitation does not apply to the shareholder servicing fee. The maximum sales charge rule is applied separately to each class and limits the aggregate of distribution fee payments and CDSCs payable by a Fund to (1) 6.25% of eligible gross sales of Investor C and Class R Shares, computed separately (excluding shares issued pursuant to dividend reinvestments and exchanges), plus (2) interest on the unpaid balance for the respective class, computed separately, at the prime rate plus 1% (the unpaid balance being the maximum amount payable minus amounts received from the payment of the distribution fee and the CDSC). See Part I, Section V "Information on Sales Charges and Distribution Related Expenses" of each Fund's SAI for comparative information as of your Fund's most recent fiscal year end with respect to, if applicable, the Investor C and Class R Shares of your Fund.

Other Payments by the Fund

In addition to shareholder servicing fees that a Fund may pay to a Service Organization pursuant to the Plan and fees the Fund pays to its Transfer Agent, BlackRock, on behalf of a Fund, may enter into non-Plan agreements with Service Organizations

pursuant to which the Fund will pay a Service Organization for administrative, networking, recordkeeping, sub-transfer agency, sub-accounting and/or shareholder services. These non-Plan payments are generally based on either (1) a percentage of the average daily net assets of Fund shareholders serviced by a Service Organization or (2) a fixed dollar amount for each account serviced by a Service Organization. The aggregate amount of these payments may be substantial.

Additional Payments by BlackRock

From time to time, BlackRock, BRIL and/or their affiliates (referred to in this section collectively as “BlackRock”) may compensate Service Organizations for the sale and distribution of shares of a Fund, for services to a Fund and its shareholders and/or for data provision or technology support. A Service Organization may perform these obligations itself or may arrange for a third party to perform them. These payments, which are not made pursuant to a Plan or otherwise paid by a Fund, are referred to as “Additional Payments” herein.

Additional Payments are made from BlackRock’s own assets (which may come directly or indirectly from fees paid by a Fund to BlackRock for various services, such as investment advisory services). These payments are not an additional charge to a Fund or its shareholders and do not change the price paid by shareholders for the purchase of a Fund’s shares or the amount a Fund receives as proceeds from such purchases. Additional Payments made to Service Organizations are in addition to any distribution or shareholder servicing fees paid under any Plan of any Fund, any sales charges, commissions or other concessions described in the Prospectuses or this SAL, and any administrative, networking, recordkeeping, sub-transfer agency or sub-accounting fees payable by a Fund. Pursuant to applicable FINRA regulations, the details of certain of these payments, including the Service Organizations receiving such payments in connection with the sale and distribution of Fund shares, are required to be disclosed. While FINRA regulations limit the sales charges that shareholders may bear, there are no limits with regard to the amounts that BlackRock may pay out of its own assets.

Additional Payments may be made as a fixed dollar amount, may be based on the number of Customer accounts maintained by a Service Organization, may be based on a percentage of the value of shares sold to, or held by, Customers of the Service Organization involved, or may be calculated on another basis.

BlackRock negotiates Additional Payments with each Service Organization on an individual basis. Additional Payments may be different for different Service Organizations, and some Service Organizations may be paid pursuant to more than one of the calculations described above. Not all Service Organizations receive Additional Payments. Sales-based payments primarily create incentives to make new sales of shares of the Fund, and asset-based payments primarily create incentives to retain previously sold shares of the Fund. The level of payments made to these Service Organizations in any year will vary and may be limited to specific Funds or share classes. In certain cases, these payments may be subject to certain minimum payment levels.

The aggregate amount of Additional Payments made by BlackRock may be substantial and may be significant to certain Service Organizations. The categories of Additional Payments listed below are not mutually exclusive. The same Service Organization, or one or more of its affiliates, may receive payments under more than one category of Additional Payments. Such payments may be different for different Service Organizations and for different types of Funds.

A. Distribution and Marketing Support

Additional Payments may be made by BlackRock for distribution and marketing support activities. These payments may take the form of, among other things, “due diligence” payments for a Service Organization’s examination of a Fund; payments for providing extra employee training and information relating to a Fund; fees for access (in some cases on a preferential basis) to the Service Organization’s registered representatives, salespersons or other personnel, including at sales meetings and conferences; “shelf space” payments for placing the Fund on the Service Organization’s platform(s); “listing” fees for the placing of the Fund on a dealer’s list (which may be a preferred or recommended list) of mutual funds available for purchase by its Customers or in certain sales programs from time to time; fees for providing assistance in promoting the sale of the Fund’s shares (which may include promotions in communications with the Service Organization’s Customers, registered representatives, salespersons and/or other personnel); payments for the sale of shares and/or the maintenance of share balances; transaction fees (also referred to as “ticket charges”); and payments for infrastructure support. These payments normally will not exceed the sum of (a) 0.25% of such year’s Fund sales by that Service Organization, and (b) 0.21% of the assets attributable to that Service Organization invested in a Fund.

B. Shareholder Services

Many Fund shares are owned or held by Service Organizations for the benefit of their Customers. In these situations, a Fund may not maintain accounts in the name of the Customers and Service Organizations may perform some of the functions for these Customers' accounts that the Transfer Agent would have performed if the accounts had been in the Customers' names on the Fund's books. Such services include sub-accounting services, shareholder servicing and transaction processing services and are sometimes referred to as "recordkeeping," "sub-transfer agency," "sub-accounting," "networking" and/or "administrative" services. Additional Payments may exceed amounts that would be earned on these assets by the Transfer Agent for the performance of these or similar services. These Additional Payments made by BlackRock are in addition to any transfer agent, shareholder servicing and transaction processing fees paid by a Fund, as applicable.

BlackRock has entered into an arrangement with PNC Bank whereby PNC Bank provides administration services to certain Funds for the assets it holds in such Funds, and BlackRock and/or the Funds in return pays monthly fees to PNC Bank. These fees, which are subject to negotiation, will not exceed 0.07% for assets in certain money market funds, 0.20% for assets in certain fixed income funds, 0.25% for assets in certain equity funds and 0.05% for assets in certain index funds.

C. Data Provision and Technology Support

BlackRock may make Additional Payments to Service Organizations for the provision of certain analytical or other data services relating to the Funds, such as statistical information regarding sales of the Funds, or technology support. Such Additional Payments are generally made as a fixed dollar amount, and not based on assets or sales.

D. Service Organizations Receiving Additional Payments

As of the date of this SAI, the Service Organizations listed below, and, in some cases, certain of the Service Organization's affiliates, may be receiving one or more types of Additional Payments. This list may change over time, and BlackRock may pay Service Organizations or their affiliates additional types of Additional Payments in the future. Please contact your Service Organization to determine whether it or its affiliate currently may be receiving such payments and to obtain further information regarding any such payments.

AccuTech Systems Corporation	BMO Capital Markets Corp.
ADP Broker-Dealer, Inc.	BNP Paribas Investment Partners UK Limited
Advisor Group, Inc.	BNY Mellon, N.A.
Alight Solutions LLC	BOKF, N.A.
Allianz Life Financial Services, LLC	Broadridge Business Process Outsourcing, LLC
Allianz Life Insurance Company of New York	Brown Brothers Harriman & Co.
Allianz Life Insurance Company of North America	Capital One, N.A.
American Enterprise Investment Services, Inc.	Cetera Advisor Networks LLC
American Fidelity Assurance Company	Cetera Advisors LLC
American Fidelity Securities, Inc.	Cetera Financial Group
American General Life Insurance Company	Cetera Financial Specialists LLC
American United Life Insurance Company	Cetera Investment Services LLC
Annuity Investors Life Insurance Company	Charles Schwab & Co., Inc.
Ascensus Broker Dealer Services, Inc.	Charles Schwab Bank
Ascensus, Inc.	Chicago Mercantile Exchange Inc.
AXA Advisors, LLC	Citco Securities, LLC
AXA Equitable Life Insurance Company	CitiBank, National Association
Bank of America, N.A.	Citigroup Global Markets, Inc.
Bank of New York Mellon, The	Citizens Business Bank
Barclays Capital Inc.	CME Shareholder Servicing LLC
BB&T Retirement & Institutional Services	CMFG Life Insurance Company
Benefit Plans Administrative Services, Inc.	Comerica Bank
Benefit Trust Company	Commonwealth Financial Network
BlackRock Advisors, LLC	Computershare Trust Company

Conduent HR Services, LLC
Credit Suisse Securities (USA) LLC
CSC Trust Company of Delaware
Delaware Life Insurance Company
Delaware Life Insurance Company of New York
Deutsche Bank AG
Deutsche Bank Trust Company Americas
Digital Retirement Solutions, Inc.
Edward D. Jones & Co., L.P.
Empire Fidelity Investments Life Insurance Company
E*trade Savings Bank
Federal Deposit Insurance Corporation
Fidelity Brokerage Services LLC
Fidelity Investments Institutional Operations Company, Inc.
Fidelity Investments Life Insurance Company
Fifth Third Securities, Inc.
First Allied Securities, Inc.
First Hawaiian Bank
First Mercantile Trust Company
First MetLife Investors Insurance Company
First Republic Bank
First Security Benefit Life Insurance and Annuity Company of New York
First Symetra National Life Insurance Company of New York
FIS Brokerage & Securities Services LLC
Forethought Life Insurance Company
FSC Securities Corporation
Genworth Life and Annuity Insurance Company
Genworth Life Insurance Company of New York
Girard Securities, Inc.
Global Atlantic Distributors, LLC
Goldman Sachs & Co.
Great-West Financial Retirement Plan Services, LLC
Great-West Life & Annuity Insurance Company
Great-West Life & Annuity Insurance Company of New York
Guardian Insurance & Annuity Company, Inc., The
GWFS Equities, Inc.
Hartford Funds Management Company
Hartford Life Insurance Company
Hartford Securities Distribution Company, Inc.
Hazeltree Fund Services, Inc.
Hightower Securities, Inc.
Hilltop Securities Inc.
HSBC Bank USA, N.A.
Huntington Investment Company, The
Institutional Cash Distributors, LLC
Integrity Life Insurance Company
J.P. Morgan Securities LLC
Jefferies LLC
Jefferson National Life Insurance Company
Jefferson National Life Insurance Company of New York
John Hancock Life Insurance Company (U.S.A.)

John Hancock Life Insurance Company of New York
John Hancock Trust Company
JPMorgan Chase Bank, N.A.
Kestra Investment Services, LLC
Ladenburg Thalmann Advisor Network LLC
Lincoln Financial Advisors Corporation
Lincoln Financial Distributors, Inc.
Lincoln Financial Securities Corporation
Lincoln Life & Annuity Company of New York
Lincoln National Life Insurance Company
Lincoln Retirement Services LLC
LPL Financial LLC
M&T Securities Inc.
Manufacturers and Traders Trust Company
Massachusetts Mutual Life Insurance Company
Members Life Insurance Company
Mercer HR Services, LLC
Merrill Lynch, Pierce, Fenner & Smith Incorporated
Metavante Corporation
MetLife Insurance Company USA
Metropolitan Life Insurance Company
Mid Atlantic Capital Corporation
Midland Life Insurance Company
Minnesota Life Insurance Company
Mizuho Securities USA Inc.
MML Distributors, LLC
MML Investors Services, LLC
Morgan Stanley & Co. LLC
Morgan Stanley Distribution, Inc.
Morgan Stanley Smith Barney LLC
MUFG Union Bank, National Association
National Financial Services LLC
National Integrity Life Insurance Company
National Life Insurance Company
Nationwide Financial Services, Inc.
Nationwide Fund Distributors LLC
Nationwide Retirement Solutions
NCB Federal Savings Bank
New England Pension Plan Systems, LLC
New York Life Insurance and Annuity Corporation
Newport Retirement Services, Inc.
NEX Treasury Limited
Northbrook Bank & Trust Company
Northwestern Mutual Investment Services, LLC
NYLife Distributors LLC
Oppenheimer & Co., Inc.
Orion Advisor Services, LLC
Pacific Life & Annuity Company
Pacific Life Insurance Company
Pacific Select Distributors, LLC
Park Avenue Securities LLC
Pershing LLC

PFPC Inc.
PFS Investments Inc.
Piper Jaffray & Co.
PNC Bank, National Association
PNC Capital Markets LLC
PNC Investments LLC
Primerica Shareholder Services, Inc.
Principal Life Insurance Company
Pruco Life Insurance Company
Pruco Life Insurance Company of New Jersey
Prudential Annuities Distributors, Inc.
Prudential Insurance Company of America
Raymond James & Associates, Inc.
Raymond James Financial Services, Inc.
RBC Capital Markets, LLC
Regions Bank
Reliance Trust Company
Reliastar Life Insurance Company
Reliastar Life Insurance Company of New York
RiverSource Distributors, Inc.
RiverSource Life Insurance Co. of New York
RiverSource Life Insurance Company
Robert W Baird & Co Incorporated
Royal Alliance Associates, Inc.
SagePoint Financial, Inc.
Sammons Retirement Solutions, Inc.
Saturna Trust Company
Security Benefit Life Insurance Company
Security Financial Resources, Inc.
Security Life of Denver Insurance Company
SEI Private Trust Company
SG Americas Securities, LLC
Silicon Valley Bank
Standard Insurance Company
State Farm VP Management Corp.
State Street Global Markets, LLC
Stifel, Nicolaus & Company, Incorporated
Summit Brokerage Services, Inc.
SunTrust Bank

SVB Asset Management
Symetra Life Insurance Company
Syntal Capital Partners, LLC
T. Rowe Price Retirement Plan Services, Inc.
Talcott Resolution Life and Annuity Insurance Company
Talcott Resolution Life Insurance Company
TD Ameritrade Clearing, Inc.
TD Ameritrade Trust Company
TD Ameritrade, Inc.
Teachers Insurance and Annuity Association of America
Transamerica Advisors Life Insurance Company
Transamerica Financial Life Insurance Company
Treasury Brokerage
U.S. Bancorp Investments, Inc.
U.S. Bank, National Association
UBATCO & Co.
UBS Financial Services, Inc.
UBS Securities LLC
UMB Bank, National Association
United States Life Insurance Company in the City of New York, The
VALIC Retirement Services Company
Vanguard Group, Inc., The
Vanguard Marketing Corporation
Voya Financial Advisors, Inc.
Voya Financial Partners, LLC
Voya Insurance and Annuity Company
Voya Institutional Plan Services, LLC
Voya Investments Distributor, LLC
Voya Retirement Insurance and Annuity Company
Wells Fargo Advisors, LLC
Wells Fargo Advisors Financial Network, LLC
Wells Fargo Bank, N.A.
Wells Fargo Clearing Services, LLC
Wells Fargo Investments, LLC
Wells Fargo Securities, LLC
Wilmington Trust, National Association
Woodbury Financial Services, Inc.
ZB, National Association

E. Sponsorship and Other Incentive Payments and Services

In addition to the Additional Payments described above, BlackRock may contribute to various other incentive arrangements to promote the sale of shares, including hosting proprietary and financially sponsoring Service Organizations' training and educational seminars, conferences, meetings or events. BlackRock may also pay for the travel, meal, lodging and other expenses of Service Organizations and their salespersons or other personnel in connection with educational and sales promotional programs. This compensation is not included in, and is made in addition to, the Additional Payments described above. These payments may be made directly to the Service Organizations or their affiliates, or to a third party vendor, and may vary depending upon the nature of the event or the relationship and are subject to applicable laws and regulations, including the rules of applicable self-regulatory organizations, such as FINRA. BlackRock may pay Service Organizations additional types of incentive compensation in the future to the extent not prohibited by applicable laws or regulations.

Separately, BlackRock has developed proprietary tools, calculators and related interactive or digital content that is made available through the www.BlackRock.com website at no additional cost to Service Organizations. BlackRock configures these tools and

calculators and localizes the content for Service Organizations as part of its customary digital marketing support and promotion of the Funds or other BlackRock funds, iShares exchange traded funds and other exchange traded products.

F. Conflicts

Additional Payments made by BlackRock to a Service Organization or its affiliates or other incentive arrangements may be an important factor in the Service Organization's willingness to support the sale of a Fund and/or particular share class through its distribution system or to perform services with respect to such Fund. Additional Payments and other incentive arrangements may also be important factors in the Service Organization's willingness to recommend the BlackRock Fund complex in general.

BlackRock may be motivated to pay Additional Payments and other incentive compensation to promote the sale of Fund shares to Customers of Service Organizations and the retention of those investments by such Customers. To the extent Service Organizations sell more shares of a Fund or retain shares of a Fund in their Customers' accounts, BlackRock benefits from the incremental management and other fees paid by the Fund with respect to those assets.

Service Organizations may have financial incentives for recommending a particular Fund, share class or fund complex over another. Service Organizations may charge their Customers additional fees in connection with the purchase or redemption of Fund shares or for account-related services which are in addition to the sales and other charges described in the Fund's Prospectus and this SAI. Such charges may vary among Service Organizations but in all cases will be retained by the Service Organization and will not be remitted to a Fund or BlackRock.

Shareholders should consider whether such incentives exist when evaluating any recommendations from a Service Organization to purchase or sell shares of a Fund and when considering which share class is most appropriate. **You should consult with your Service Organization, and review carefully any disclosure by the Service Organization, as to compensation received by it or its affiliates and for more information about the payments described above.**

REDEMPTION OF SHARES

Shares normally will be redeemed for cash upon receipt of a request in proper form, although each Fund retains the right to redeem some or all of its shares in-kind under unusual circumstances (valued in the same way as they would be valued for purposes of computing a Fund's NAV), in order to protect the interests of remaining shareholders, or to accommodate a request by a particular shareholder that does not adversely affect the interest of the remaining shareholders, by delivery of securities and other assets selected from the Fund's portfolio holdings at its discretion. In-kind payment means payment will be made in portfolio securities and other assets rather than cash. If this occurs, the redeeming shareholder might incur brokerage or other transaction costs to convert the securities and other assets to cash. In an in-kind redemption, a pro-rata portion of a Fund's portfolio holdings will generally be distributed to the redeeming shareholder, but an Index Fund may, under certain circumstances, deviate from pro-rata redemption if the securities and other assets to be distributed are deemed to be a fair representation of portfolio holdings and the interests of the remaining shareholders in the Index Fund are not diluted. Each Fund has elected, however, to be governed by Rule 18f-1 under the Investment Company Act so that the Fund is obligated to redeem its shares solely in cash up to the lesser of \$250,000 or 1% of its net asset value during any 90-day period for any shareholder of the Fund. The redemption price is the net asset value per share next determined after the initial receipt of proper notice of redemption. The value of shares of each Fund at the time of redemption may be more or less than your cost at the time of purchase, depending in part on the market value of the securities held by the Fund at such time. Except for any CDSC or redemption fee that may be applicable, there will be no redemption charge if your redemption request is sent directly to the Transfer Agent. If you are liquidating your holdings you will receive all dividends reinvested through the date of redemption.

The right to redeem shares may be suspended or payment upon redemption may be delayed for more than seven days only (i) for any period during which trading on the NYSE is restricted as determined by the Commission or during which the NYSE is closed (other than customary weekend and holiday closings), (ii) for any period during which an emergency exists, as defined by the Commission, as a result of which disposal of portfolio securities or determination of the net asset value of a Fund is not reasonably practicable, and (iii) for such other periods as the Commission may by order permit for the protection of shareholders of the Fund. (A Fund may also suspend or postpone the recordation of the transfer of its shares upon the occurrence of any of the foregoing conditions.)

Each Fund, with other investment companies advised by the Manager, has entered into a joint committed line of credit with a syndicate of banks that is intended to provide the Fund with a temporary source of cash to be used to meet redemption requests

from shareholders in extraordinary or emergency circumstances. Each Fund may also borrow from another Fund pursuant to the Interfund Lending Program in order to meet redemption requests, to the extent permitted by the Fund's investment policies and restrictions, as set forth in Part I of the Fund's SAI, and subject to the conditions of the IFL Order, as described above under "Investment Risks and Considerations — Interfund Lending Program."

Each Fund may redeem shares involuntarily to reimburse the Fund for any loss sustained by reason of the failure of a shareholder to make full payment for shares purchased by the shareholder or to collect any charge relating to a transaction effected for the benefit of a shareholder. Each Fund reserves the express right to redeem shares of the Fund involuntarily at any time if the Fund's Board determines, in its sole discretion, that failure to do so may have adverse consequences to the holders of shares in the Fund. Upon such redemption the holders of shares so redeemed shall have no further right with respect thereto other than to receive payment of the redemption price.

Redemption

Investor A, Investor A1, Investor C, Investor C1, Investor C2, Investor C3, Institutional and Class R Shares

Redeem by Telephone: You may sell Investor class shares, excluding Investor P Shares, held at BlackRock by telephone request if certain conditions are met and if the amount being sold is less than (i) \$100,000 for payments by check or (ii) \$250,000 for payments through the Automated Clearing House Network ("ACH") or wire transfer. Certain redemption requests, such as those in excess of these amounts, and those where (i) the Fund does not have verified banking information on file; or (ii) the proceeds are not paid to the record owner at the record address, must be in writing with a medallion signature guarantee provided by any "eligible guarantor institution" as defined in Rule 17Ad-15 under the Securities Exchange Act of 1934 (the "Exchange Act"), whose existence and validity may be verified by the Transfer Agent through the use of industry publications. For Institutional Shares, certain redemption requests may require written instructions with a medallion signature guarantee. Call (800) 441-7762 for details. You can obtain a medallion signature guarantee stamp from a bank, securities dealer, securities broker, credit union, savings and loan association, national securities exchange or registered securities association. The three recognized medallion programs are Securities Transfer Agent Medallion Program, Stock Exchanges Medallion Program and New York Stock Exchange, Inc. Medallion Signature Program. Signature guarantees which are not a part of these programs will not be accepted. A notary public seal will not be acceptable. Generally, a properly signed written request with any required signature guarantee is all that is required for a redemption. In some cases, however, other documents may be necessary. Additional documentary evidence of authority is required by the Transfer Agent in the event redemption is requested by a corporation, partnership, trust, fiduciary, executor or administrator.

If you make a redemption request before a Fund has collected payment for the purchase of shares, the Fund may delay mailing your proceeds. This delay will usually not exceed ten days. A Fund, its Administrators and the Distributor will employ reasonable procedures to confirm that instructions communicated by telephone are genuine. Telephone redemption requests will not be honored if: (i) the accountholder is deceased, (ii) the proceeds are to be sent to someone other than the shareholder of record, (iii) a Fund does not have verified information on file, (iv) the request is by an individual other than the accountholder of record, (v) the account is held by joint tenants who are divorced, (vi) the address on the account has changed within the last 30 days or share certificates have been issued on the account, or (vii) to protect against fraud, if the caller is unable to provide the account number, the name and address registered on the account and the social security number registered on the account. The Fund and its service providers will not be liable for any loss, liability, cost or expense for acting upon telephone instructions that are reasonably believed to be genuine in accordance with such procedures. Before telephone requests will be honored, signature approval from all shareholders of record on the account must be obtained. The Fund may refuse a telephone redemption request if it believes it is advisable to do so. During periods of substantial economic or market change, telephone redemptions may be difficult to complete. Please find below alternative redemption methods.

The Funds or the Transfer Agent may temporarily suspend telephone transactions at any time.

Redeem by VRU: Investor class shares, excluding Investor P Shares, may also be redeemed by use of the Fund's automated voice response unit service ("VRU"). Payment for Investor class shares redeemed by VRU may be made for non-retirement accounts in amounts up to \$25,000, either through check, ACH or wire.

Redeem by Internet: Investor class shares, excluding Investor P Shares, may also be redeemed by logging onto the BlackRock website at www.blackrock.com. Proceeds from Internet redemptions may be sent via check, ACH or wire to the bank account of

record. Payment for Investor class shares redeemed by Internet may be made for non-retirement accounts in amounts up to \$25,000, either through check, ACH or wire. Different maximums may apply to investors in Institutional Shares.

Redeem in Writing: If you hold shares with the Transfer Agent you may redeem such shares without charge by writing to the Fund's Transfer Agent, BNY Mellon Investment Servicing (US) Inc., P.O. Box 9819, Providence, Rhode Island 02940-8019. Redemption requests delivered other than by mail should be sent to the Fund's Transfer Agent, BNY Mellon Investment Servicing (US) Inc., 4400 Computer Drive, Westborough, Massachusetts 01588. If you hold share certificates issued by your Fund, the letter must be accompanied by certificates for the shares. All shareholders on the account must sign the letter. A medallion signature guarantee may be required but may be waived in certain circumstances. You can obtain a medallion signature guarantee stamp from a bank, securities dealer, securities broker, credit union, savings and loan association, national securities exchange or registered securities association. A notary public seal will not be acceptable. If you hold stock certificates, return the certificates with the letter. Proceeds from redemptions may be sent via check, ACH or wire to the bank account of record.

Redemptions of Investor P Shares, Service Shares, Class K Shares and BlackRock Shares may be made in the manner and amounts described in the Prospectuses.

If you redeem shares directly with the Transfer Agent, payments will generally be mailed within seven days of receipt of the proper notice of redemption. A Fund may delay the mailing of a redemption check until good payment (that is, cash, Federal funds or certified check drawn on a U.S. bank) has been collected for the purchase of Fund shares, which delay will usually not exceed 10 days. If your account is held directly with the Transfer Agent and contains a fractional share balance following a redemption, the fractional share balance will be automatically redeemed by the Fund.

Note on Low Balance Accounts. Because of the high cost of maintaining smaller shareholder accounts, BlackRock has set a minimum balance of \$500 in each Fund position you hold within your account ("Fund Minimum"), and may redeem the shares in your account if the net asset value of those shares in your account falls below \$500 for any reason, including market fluctuation.

You will be notified that the value of your account is less than the Fund Minimum before the Fund makes any involuntary redemption. This notification will provide you with a 90 calendar day period to make an additional investment in order to bring the value of your account to at least \$500 before the Fund makes an involuntary redemption. This involuntary redemption will not charge any deferred sales charge, and may not apply to accounts of certain employer-sponsored retirement plans (not including IRAs), qualified state tuition plan (529 Plan) accounts, and select fee-based programs at your financial intermediary.

Repurchase

A Fund normally will accept orders to repurchase shares from Selling Dealers for their customers. Shares will be priced at the net asset value of the Fund next determined after receipt of the repurchase order by a Selling Dealer that has been authorized by the Distributor by contract to accept such orders. As to repurchase orders received by Selling Dealers prior to the close of business on the NYSE (generally, the NYSE closes at 4:00 p.m. Eastern time), on the day the order is placed, which includes orders received after the close of business on the previous day, the repurchase price is the net asset value determined as of the close of business on the NYSE on that day. If the orders for repurchase are not received by the Selling Dealer before the close of business on the NYSE, such orders are deemed received on the next business day.

These repurchase arrangements are for your convenience and do not involve a charge by the Fund (other than any applicable CDSC or redemption fee). However, Selling Dealers may charge a processing fee in connection with such transactions. In addition, securities firms that do not have selected dealer agreements with the Distributor may impose a transaction charge for transmitting the notice of repurchase to the Fund. Each Fund reserves the right to reject any order for repurchase. A shareholder whose order for repurchase is rejected by a Fund, however, may redeem shares as set forth above.

Reinstatement Privilege — Investor A and Investor P Shares

Upon redemption of Investor A, Investor A1, Investor P or Institutional Shares, as applicable, shareholders may reinvest all or a portion of their redemption proceeds (after paying any applicable CDSC) in Investor A or Investor P Shares of the same or another BlackRock fund without paying a front-end sales charge. This right may be exercised within 90 days of the redemption, provided that the Investor A or Investor P Shares, as applicable, of that fund is currently open to new investors or the shareholder has a current account in that closed fund. Shares will be purchased at the NAV calculated at the close of trading on the day the request is received in good order. To exercise this privilege, the Transfer Agent must receive written notification from the shareholder of

record or the registered representative of record, at the time of purchase. Investors should consult a tax advisor concerning the tax consequences of exercising this reinstatement privilege.

SHAREHOLDER SERVICES

Each Fund offers one or more of the shareholder services described below that are designed to facilitate investment in its shares. You can obtain more information about these services from each Fund by calling the telephone number on the cover page, or from the Distributor, your financial adviser, your selected securities dealer or other financial intermediary. Certain of these services are available only to U.S. investors.

Investment Account

If your account is maintained at the Transfer Agent (an "Investment Account") you will receive statements, at least quarterly, from the Transfer Agent. These statements will serve as confirmations for automatic investment purchases and the reinvestment of dividends. The statements also will show any other activity in your Investment Account since the last statement. You also will receive separate confirmations for each purchase or sale transaction other than automatic investment purchases and the reinvestment of dividends. If your Investment Account is held at the Transfer Agent you may make additions to it at any time by mailing a check directly to the Transfer Agent. You may also maintain an account through a selected securities dealer or other financial intermediary. If you transfer shares out of an account maintained with a selected securities dealer or other financial intermediary, an Investment Account in your name may be opened automatically at the Transfer Agent.

You may transfer Fund shares from a selected securities dealer or other financial intermediary to another securities dealer or other financial intermediary that has entered into an agreement with the Distributor. Certain shareholder services may not be available for the transferred shares. All future trading of these assets must be coordinated by the new firm. If you wish to transfer your shares to a securities dealer or other financial intermediary that has not entered into an agreement with the Distributor, you must either (i) redeem your shares, paying any applicable CDSC or (ii) continue to maintain an Investment Account at the Transfer Agent for those shares. You also may request that the new securities dealer or other financial intermediary maintain the shares in an account at the Transfer Agent registered in the name of the securities dealer or other financial intermediary for your benefit whether the securities dealer or other financial intermediary has entered into a selected dealer agreement or not. In the interest of economy and convenience and because of the operating procedures of each Fund, share certificates will not be issued physically. Shares are maintained by each Fund on its register maintained by the Transfer Agent and the holders thereof will have the same rights and ownership with respect to such shares as if certificates had been issued.

If you are considering transferring a tax-deferred retirement account, such as an individual retirement account, from one selected securities dealer to another securities dealer or other financial intermediary, you should be aware that if the new firm will not take delivery of shares of the Fund, you must either redeem the shares (paying any applicable CDSC) so that the cash proceeds can be transferred to the account at the new firm, or you must continue to maintain a retirement account at the original selected securities dealer for those shares.

Exchange Privilege

U.S. shareholders of Investor A, Investor A1, Investor C, Investor C1, Investor C2, Investor C3, Investor P, Class K and Institutional Shares of each Fund have an exchange privilege with certain other Funds. However, Investor A1, Investor C1, Investor C2 and Investor C3 Shares may only exchange out. The minimum amount for exchanges of Investor class shares is \$1,000, although you may exchange less than \$1,000 if you already have an account in the Fund into which you are exchanging. You may only exchange into a share class and a Fund that are open to new investors or in which you have a current account if the class or fund is closed to new investors. Before effecting an exchange, you should obtain a currently effective prospectus of the fund into which you wish to make the exchange. Exercise of the exchange privilege is treated as a sale of the exchanged shares and a purchase of the acquired shares for U.S. federal income tax purposes.

Exchanges of Investor A, Investor A1, Investor P, Class K and Institutional Shares. Institutional Shares are exchangeable with Institutional Shares of other Funds. Investor A and Investor A1 Shares are exchangeable for Investor A Shares of other Funds to the extent such shares are offered by your Financial Intermediary. Investor P Shares are exchangeable for Investor P Shares of other Funds, to the extent such shares are offered by your Financial Intermediary. Class K Shares are exchangeable for Class K Shares of other Funds.

Exchanges of Institutional Shares outstanding for Institutional Shares of a second fund or for shares of a money market fund are effected on the basis of relative net asset value per Institutional Share. Exchanges of Investor A or Investor A1 Shares outstanding (“outstanding Investor A Shares”) for Investor A Shares of a second fund, or for shares of a money market fund (“new Investor A Shares”) are effected on the basis of relative net asset value per share. Exchanges of Investor P Shares outstanding for Investor P Shares of a second fund are effected on the basis of relative net asset value per share. Exchanges of Class K Shares outstanding for Class K Shares of a second fund, or for shares of a money market fund are effected on the basis of relative net asset value per share.

Exchanges of Investor C, Investor C1, Investor C2 and Investor C3 Shares. Shareholders of certain Funds with Investor C, Investor C1, Investor C2 and Investor C3 Shares outstanding (“outstanding Investor C Shares”) may exchange their shares for Investor C Shares of a second Fund (“new Investor C Shares”) or for shares of a money market fund (“new money market fund Shares”) on the basis of relative net asset value per share, without the payment of any CDSC. Certain Funds impose different CDSC schedules. For purposes of computing the CDSC upon redemption of new Investor C Shares or new money market fund Shares, as applicable, the time you held both the exchanged Investor C Shares and the new Investor C Shares or new money market fund Shares will count towards the holding period of the new Investor C Shares or new money market fund Shares.

Exchanges of Service Shares. Service Shares can be exchanged for Service Shares of Funds that are covered by selected dealer agreements with the Distributor.

Exchanges for Shares of a Money Market Fund. You may exchange any class of Investor class shares, excluding Investor P Shares, for shares of an affiliated money market fund. If you exchange into BlackRock Summit Cash Reserves Fund (“Summit”), a series of BlackRock Financial Institutions Series Trust, you will receive one of two classes of shares: exchanges of Investor A, Investor A1 and Institutional Shares of a Fund will receive Investor A Shares of Summit and exchanges of Investor C, Investor C1, Investor C2 and Investor C3 Shares of a Fund will receive Investor B Shares of Summit. You may exchange Investor A Shares of Summit back into Investor A or Institutional Shares of a Fund, if you are eligible to hold such shares. You may exchange Investor B Shares of Summit back into Investor C Shares of a Fund and, in the event of such an exchange, the period of time that you held Investor B Shares of Summit will count toward satisfaction of the holding period requirement for purposes of reducing any CDSC. Investor B Shares of Summit are subject to a distribution fee at an annual rate of 0.75% of average daily net assets of such Investor B Shares. Exchanges of Investor C Shares of a money market fund other than Summit for Investor C Shares of a Fund will be exercised at net asset value. However, a CDSC may be charged in connection with any subsequent redemption of the Investor C Shares of the Fund received in the exchange. In determining the holding period for calculating the CDSC payable on redemption of Investor C Shares of the Fund received in exchange, the holding period of the money market fund Investor C Shares originally held will be added to the holding period of the Investor C Shares acquired through exchange.

Exchanges by Participants in Certain Programs. The exchange privilege may be modified with respect to certain participants in mutual fund advisory programs and other fee-based programs sponsored by the Manager, an affiliate of the Manager, or selected securities dealers or other financial intermediaries that have an agreement with the Distributor. See “Fee-Based Programs” below.

Exercise of the Exchange Privilege. To exercise the exchange privilege, you should contact your financial adviser or the Transfer Agent, who will advise each Fund of the exchange. If you do not hold share certificates, you may exercise the exchange privilege by wire through your securities dealer or other financial intermediary. Each Fund reserves the right to require a properly completed exchange application.

A shareholder who wishes to make an exchange may do so by sending a written request to the Fund c/o the Transfer Agent at the following address: P.O. Box 9819, Providence, Rhode Island 02940-8019. Shareholders are automatically provided with telephone exchange privileges when opening an account, unless they indicate on the Application that they do not wish to use this privilege. To add this feature to an existing account that previously did not provide this option, a Telephone Exchange Authorization Form must be filed with the Transfer Agent. This form is available from the Transfer Agent. Once this election has been made, the shareholder may simply contact the Fund by telephone at (800) 441-7762 to request the exchange. During periods of substantial economic or market change, telephone exchanges may be difficult to complete and shareholders may have to submit exchange requests to the Transfer Agent in writing.

If the exchanging shareholder does not currently own shares of the investment portfolio whose shares are being acquired, a new account will be established with the same registration, dividend and capital gain options and broker of record as the account from which shares are exchanged, unless otherwise specified in writing by the shareholder with all signatures guaranteed by an eligible guarantor institution as defined below. In order to participate in the Automatic Investment Program or establish a Systematic Withdrawal Plan for the new account, however, an exchanging shareholder must file a specific written request.

Any share exchange must satisfy the requirements relating to the minimum initial investment requirement, and must be legally available for sale in the state of the investor's residence. For U.S. federal income tax purposes, a share exchange is a taxable event and, accordingly, a capital gain or loss may be realized. Before making an exchange request, shareholders should consult a tax or other financial adviser and should consider the investment objective, policies and restrictions of the investment portfolio into which the shareholder is making an exchange. Brokers may charge a fee for handling exchanges.

The Fund reserves the right to suspend, modify or terminate the exchange privilege at any time. Notice will be given to shareholders of any material modification or termination except where notice is not required. The Fund reserves the right to reject any telephone exchange request. Telephone exchanges may be subject to limitations as to amount or frequency, and to other restrictions that may be established from time to time to ensure that exchanges do not operate to the disadvantage of any portfolio or its shareholders.

The Fund, the administrators and BRIL will employ reasonable procedures to confirm that instructions communicated by telephone are genuine. The Fund, the administrators and BRIL will not be liable for any loss, liability, cost or expense for acting upon telephone instructions reasonably believed to be genuine in accordance with such procedures. By use of the exchange privilege, the investor authorizes the Fund's Transfer Agent to act on telephonic or written exchange instructions from any person representing himself to be the investor and believed by the Fund's Transfer Agent to be genuine. The records of the Fund's Transfer Agent pertaining to such instructions are binding. The exchange privilege may be modified or terminated at any time upon 60 days' notice to affected shareholders. The exchange privilege is only available in states where the exchange may legally be made.

Each Fund reserves the right to limit the number of times an investor may exercise the exchange privilege. Certain Funds may suspend the continuous offering of their shares to the general public at any time and may resume such offering from time to time. The exchange privilege is available only to U.S. shareholders in states where the exchange legally may be made. The exchange privilege may be applicable to other new mutual funds whose shares may be distributed by the Distributor.

Fee-Based Programs

If you participate in certain fee-based programs offered by BlackRock or an affiliate of BlackRock, or selected securities dealers or other financial intermediaries that have agreements with the Distributor or in certain fee-based programs in which BlackRock participates, you may be able to buy Institutional Shares, including by exchanges from other share classes. Sales charges on the shares being exchanged may be reduced or waived under certain circumstances. You generally cannot transfer shares held through a fee-based program into another account. Instead, you will have to redeem your shares held through the program and purchase shares of another class, which may be subject to distribution and service fees. This may be a taxable event and you will pay any applicable sales charges or redemption fee.

Shareholders that participate in a fee-based program generally have two options at termination. The program can be terminated and the shares liquidated or the program can be terminated and the shares held in an account. In general, when a shareholder chooses to continue to hold the shares, whatever share class was held in the program can be held after termination. Shares that have been held for less than specified periods within the program may be subject to a fee upon redemption. Shareholders that held Investor A or Institutional Shares in the program are eligible to purchase additional shares of the respective share class of a Fund, but may be subject to upfront sales charges with respect to Investor A Shares. Additional purchases of Institutional Shares are available only if you have an existing position at the time of purchase or are otherwise eligible to purchase Institutional Shares.

Details about these features and the relevant charges are included in the client agreement for each fee-based program and are available from your financial professional, selected securities dealer or other financial intermediary.

Retirement and Education Savings Plans

Individual retirement accounts and other retirement and education savings plans are available from your financial intermediary. Under these plans, investments may be made in a Fund and certain of the other mutual funds sponsored by the Manager or its affiliates as well as in other securities. There may be fees associated with investing through these plans. Information with respect to these plans is available on request from your financial intermediary.

Dividends received in each of the plans referred to above are exempt from U.S. federal taxation until distributed from the plans and, in the case of Roth IRAs and education savings plans, may be exempt from taxation when distributed as well. Investors

considering participation in any retirement or education savings plan should review specific tax laws relating to the plan and should consult their attorneys or tax advisors with respect to the establishment and maintenance of any such plan.

Automatic Investment Plans

Investor class shareholders and certain Service Share shareholders who were shareholders of the Compass Capital Group of Funds at the time of its combination with The PNC® Fund in 1996 may arrange for periodic investments in that Fund through automatic deductions from a checking or savings account. The minimum pre-authorized investment amount is \$50. If you buy shares of a Fund through certain accounts, no minimum charge to your bank account is required. Contact your financial adviser or other financial intermediary for more information.

Automatic Dividend Reinvestment Plan

Each Fund will distribute substantially all of its net investment income and net realized capital gains, if any, to shareholders. All distributions are reinvested at net asset value in the form of additional full and fractional shares of the same class of shares of the relevant Fund unless a shareholder elects otherwise. Such election, or any revocation thereof, must be made in writing to the Transfer Agent, and will become effective with respect to dividends paid after its receipt by the Transfer Agent.

Systematic Withdrawal Plans

Shareholders may receive regular distributions from their accounts via a Systematic Withdrawal Plan (“SWP”). Upon commencement of the SWP, the account must have a current value of \$10,000 or more in a Fund. Shareholders may elect to receive automatic cash payments of \$50 or more at any interval. You may choose any day for the withdrawal. If no day is specified, the withdrawals will be processed on the 25th day of the month or, if such day is not a business day, on the prior business day and are paid promptly thereafter. An investor may utilize the SWP by completing the Systematic Withdrawal Plan Application Form which may be obtained by visiting our website at www.blackrock.com.

Shareholders should realize that if withdrawals exceed income dividends their invested principal in the account will be depleted. To participate in the SWP, shareholders must have their dividends automatically reinvested. Shareholders may change or cancel the SWP at any time, upon written notice to the Fund, or by calling the Fund at (800) 441-7762. Purchases of additional Investor A or Investor P Shares of the Fund concurrently with withdrawals may be disadvantageous to investors because of the sales charges involved and, therefore, are discouraged. No CDSC will be assessed on redemptions of Investor C, Investor C1, Investor C2 or Investor C3 Shares made through the SWP that do not exceed 12% of the original investment on an annualized basis. For example, monthly, quarterly and semi-annual SWP redemptions of Investor C, Investor C1, Investor C2 or Investor C3 Shares will not be subject to the CDSC if they do not exceed 1% (monthly), 3% (quarterly) and 6% (semi-annually), respectively, of an account’s net asset value on the redemption date. SWP redemptions of Investor C, Investor C1, Investor C2 or Investor C3 Shares in excess of this limit are still subject to the applicable CDSC.

For this reason, a shareholder may not participate in the Automatic Investment Plan described above (see “How to Buy, Sell, Transfer and Exchange Shares” in the Fund’s Prospectus) and the SWP at the same time.

Dividend Allocation Plan

The Dividend Allocation Plan allows shareholders to elect to have all their dividends and any other distributions from any Eligible Fund (which means funds so designated by the Distributor from time to time) automatically invested at net asset value in one other such Eligible Fund designated by the shareholder, provided the account into which the dividends and distributions are directed is initially funded with the requisite minimum amount.

PRICING OF SHARES

Determination of Net Asset Value

Valuation of Shares. The net asset value for each class of shares of each Fund is generally calculated as of the close of regular trading hours on the NYSE (currently 4:00 p.m. Eastern Time) on each business day the NYSE is open.

Valuation of securities held by each Fund is as follows:

Equity Investments. Equity securities traded on a recognized securities exchange (e.g., NYSE), separate trading boards of a securities exchange or through a market system that provides contemporaneous transaction pricing information (an “Exchange”) are valued via independent pricing services generally at the Exchange closing price or if an Exchange closing price is not available, the last traded price on that Exchange prior to the time as of which the assets or liabilities are valued. However, under certain circumstances other means of determining current market value may be used. If an equity security is traded on more than one Exchange, the current market value of the security where it is primarily traded generally will be used. In the event that there are no sales involving an equity security held by a Fund on a day on which the Fund values such security, the last bid (long positions) or ask (short positions) price, if available, will be used as the value of such security. If a Fund holds both long and short positions in the same security, the last bid price will be applied to securities held long and the last ask price will be applied to securities sold short. If no bid or ask price is available on a day on which a Fund values such security, the prior day’s price will be used, unless BlackRock determines that such prior day’s price no longer reflects the fair value of the security, in which case such asset would be treated as a fair value asset.

Fixed-Income Investments. Fixed-income securities for which market quotations are readily available are generally valued using such securities’ current market value. Each Fund values fixed-income portfolio securities and non-exchange traded derivatives using the last available bid prices or current market quotations provided by dealers or prices (including evaluated prices) supplied by the Fund’s approved independent third-party pricing services, each in accordance with valuation procedures approved by the Board. The pricing services may use matrix pricing or valuation models that utilize certain inputs and assumptions to derive values, including transaction data (e.g., recent representative bids and offers), credit quality information, perceived market movements, news, and other relevant information and by other methods, which may include consideration of: yields or prices of securities of comparable quality, coupon, maturity and type; indications as to values from dealers; general market conditions; and other factors and assumptions. Pricing services generally value fixed-income securities assuming orderly transactions of an institutional round lot size, but the Fund may hold or transact in such securities in smaller, odd lot sizes. Odd lots may trade at lower prices than institutional round lots. The amortized cost method of valuation may be used with respect to debt obligations with sixty days or less remaining to maturity unless the Manager and/or Sub-Adviser determine such method does not represent fair value. Loan participation notes are generally valued at the mean of the last available bid prices from one or more brokers or dealers as obtained from independent third-party pricing services. Certain fixed-income investments including asset-backed and mortgage related securities may be valued based on valuation models that consider the estimated cash flows of each tranche of the entity, establish a benchmark yield and develop an estimated tranche specific spread to the benchmark yield based on the unique attributes of the tranche.

Options, Futures, Swaps and Other Derivatives. Exchange-traded equity options for which market quotations are readily available are valued at the mean of the last bid and ask prices as quoted on the Exchange or the board of trade on which such options are traded. In the event that there is no mean price available for an exchange traded equity option held by a Fund on a day on which the Fund values such option, the last bid (long positions) or ask (short positions) price, if available, will be used as the value of such option. If no bid or ask price is available on a day on which a Fund values such option, the prior day’s price will be used, unless BlackRock determines that such prior day’s price no longer reflects the fair value of the option in which case such option will be treated as a fair value asset. OTC derivatives may be valued using a mathematical model which may incorporate a number of market data factors. Financial futures contracts and options thereon, which are traded on exchanges, are valued at their last sale price or settle price as of the close of such exchanges. Swap agreements and other derivatives are generally valued daily based upon quotations from market makers or by a pricing service in accordance with the valuation procedures approved by the Board.

Underlying Funds. Shares of underlying open-end funds are valued at net asset value. Shares of underlying exchange-traded closed-end funds or other exchange-traded funds will be valued at their most recent closing price.

General Valuation Information

In determining the market value of portfolio investments, the Fund may employ independent third-party pricing services, which may use, without limitation, a matrix or formula method that takes into consideration market indexes, matrices, yield curves and other specified inputs and assumptions. This may result in the securities being valued at a price different from the price that would have been determined had the matrix or formula method not been used. The price the Fund could receive upon the sale of any

particular portfolio investment may differ from the Fund's valuation of the investment, particularly for securities that trade in thin or volatile markets or that are valued using a fair valuation methodology or a price provided by an independent pricing service. As a result, the price received upon the sale of an investment may be less than the value ascribed by the Fund, and the Fund could realize a greater than expected loss or lesser than expected gain upon the sale of the investment. The Fund's ability to value its investment may also be impacted by technological issues and/or errors by pricing services or other third-party service providers.

All cash, receivables and current payables are carried on each Fund's books at their face value.

Prices obtained from independent third-party pricing services, broker-dealers or market makers to value each Fund's securities and other assets and liabilities are based on information available at the time the Fund values its assets and liabilities. In the event that a pricing service quotation is revised or updated subsequent to the day on which the Fund valued such security, the revised pricing service quotation generally will be applied prospectively. Such determination shall be made considering pertinent facts and circumstances surrounding such revision.

In the event that application of the methods of valuation discussed above result in a price for a security which is deemed not to be representative of the fair market value of such security, the security will be valued by, under the direction of or in accordance with a method approved by the Fund's Board as reflecting fair value. All other assets and liabilities (including securities for which market quotations are not readily available) held by a Fund (including restricted securities) are valued at fair value as determined in good faith by the Fund's Board or by BlackRock (its delegate). Any assets and liabilities which are denominated in a foreign currency are translated into U.S. dollars at the prevailing rates of exchange.

Certain of the securities acquired by the Funds may be traded on foreign exchanges or OTC markets on days on which a Fund's net asset value is not calculated. In such cases, the net asset value of a Fund's shares may be significantly affected on days when investors can neither purchase nor redeem shares of the Fund.

Fair Value. When market quotations are not readily available or are believed by BlackRock to be unreliable, a Fund's investments are valued at fair value ("Fair Value Assets"). Fair Value Assets are valued by BlackRock in accordance with procedures approved by the Fund's Board. BlackRock may conclude that a market quotation is not readily available or is unreliable if a security or other asset or liability does not have a price source due to its complete lack of trading, if BlackRock believes a market quotation from a broker-dealer or other source is unreliable (e.g., where it varies significantly from a recent trade, or no longer reflects the fair value of the security or other asset or liability subsequent to the most recent market quotation), or where the security or other asset or liability is only thinly traded or due to the occurrence of a significant event subsequent to the most recent market quotation. For this purpose, a "significant event" is deemed to occur if BlackRock determines, in its business judgment prior to or at the time of pricing a Fund's assets or liabilities, that it is likely that the event will cause a material change to the last exchange closing price or closing market price of one or more assets or liabilities held by the Fund. On any date the NYSE is open and the primary exchange on which a foreign asset or liability is traded is closed, such asset or liability will be valued using the prior day's price, provided that BlackRock is not aware of any significant event or other information that would cause such price to no longer reflect the fair value of the asset or liability, in which case such asset or liability would be treated as a Fair Value Asset. For certain foreign securities, a third-party vendor supplies evaluated, systematic fair value pricing based upon the movement of a proprietary multi-factor model after the relevant foreign markets have closed. This systematic fair value pricing methodology is designed to correlate the prices of foreign securities following the close of the local markets to the price that might have prevailed as of a Fund's pricing time.

BlackRock, with input from the BlackRock Portfolio Management Group, will submit its recommendations regarding the valuation and/or valuation methodologies for Fair Value Assets to BlackRock's Valuation Committee. The Valuation Committee may accept, modify or reject any recommendations. In addition, the Funds' accounting agent periodically endeavors to confirm the prices it receives from all third-party pricing services, index providers and broker-dealers, and, with the assistance of BlackRock, to regularly evaluate the values assigned to the securities and other assets and liabilities of the Funds. The pricing of all Fair Value Assets is subsequently reported to the Board or a Committee thereof.

When determining the price for a Fair Value Asset, the BlackRock Valuation Committee (or the Pricing Group) will seek to determine the price that a Fund might reasonably expect to receive from the current sale of that asset or liability in an arm's-length transaction. The price generally may not be determined based on what a Fund might reasonably expect to receive for selling an asset or liability at a later time or if it holds the asset or liability to maturity. Fair value determinations shall be based upon all available factors that the Valuation Committee (or Pricing Group) deems relevant at the time of the determination, and may be based on analytical values determined by BlackRock using proprietary or third-party valuation models.

Fair value represents a good faith approximation of the value of an asset or liability. The fair value of one or more assets or liabilities may not, in retrospect, be the price at which those assets or liabilities could have been sold during the period in which the particular fair values were used in determining a Fund's net asset value. As a result, a Fund's sale or redemption of its shares at net asset value, at a time when a holding or holdings are valued at fair value, may have the effect of diluting or increasing the economic interest of existing shareholders.

Each Fund's annual audited financial statements, which are prepared in accordance with accounting principles generally accepted in the United States of America ("US GAAP"), follow the requirements for valuation set forth in Financial Accounting Standards Board Accounting Standards Codification Topic 820, "Fair Value Measurements and Disclosures" ("ASC 820"), which defines and establishes a framework for measuring fair value under US GAAP and expands financial statement disclosure requirements relating to fair value measurements.

Generally, ASC 820 and other accounting rules applicable to mutual funds and various assets in which they invest are evolving. Such changes may adversely affect a Fund. For example, the evolution of rules governing the determination of the fair market value of assets or liabilities, to the extent such rules become more stringent, would tend to increase the cost and/or reduce the availability of third-party determinations of fair market value.

Computation of Offering Price Per Share

See Part I, Section VI "Computation of Offering Price" of each Fund's SAI for an illustration of the computation of the offering price for shares of your Fund.

PORTFOLIO TRANSACTIONS AND BROKERAGE

Transactions in Portfolio Securities

Subject to policies established by the Board of Directors, BlackRock is primarily responsible for the execution of a Fund's portfolio transactions and the allocation of brokerage. BlackRock does not execute transactions through any particular broker or dealer, but seeks to obtain the best net results for the Fund, taking into account such factors as price (including the applicable brokerage commission or dealer spread), size of order, difficulty of execution, operational facilities of the firm and the firm's risk and skill in positioning blocks of securities.

While BlackRock generally seeks reasonable trade execution costs, a Fund does not necessarily pay the lowest spread or commission available, and payment of the lowest commission or spread is not necessarily consistent with obtaining the best price and execution in particular transactions. Subject to applicable legal requirements, BlackRock may select a broker based partly upon brokerage or research services provided to BlackRock and its clients, including a Fund. In return for such services, BlackRock may cause a Fund to pay a higher commission than other brokers would charge if BlackRock determines in good faith that the commission is reasonable in relation to the services provided.

In the case of Feeder Funds, because each Feeder Fund generally invests exclusively in beneficial interests of a Master Portfolio, it is expected that all transactions in portfolio securities will be entered into by the Master Portfolio.

In selecting brokers or dealers to execute portfolio transactions, the Manager and Sub-Adviser seek to obtain the best price and most favorable execution for a Fund, taking into account a variety of factors including: (i) the size, nature and character of the security or instrument being traded and the markets in which it is purchased or sold; (ii) the desired timing of the transaction; (iii) BlackRock's knowledge of the expected commission rates and spreads currently available; (iv) the activity existing and expected in the market for the particular security or instrument, including any anticipated execution difficulties; (v) the full range of brokerage services provided; (vi) the broker's or dealer's capital; (vii) the quality of research and research services provided; (viii) the reasonableness of the commission, dealer spread or its equivalent for the specific transaction; and (ix) BlackRock's knowledge of any actual or apparent operational problems of a broker or dealer.

Section 28(e) of the Exchange Act ("Section 28(e)") permits an investment adviser, under certain circumstances and, if applicable, subject to the restrictions of MiFID II as described further below, to cause an account to pay a broker or dealer a commission for effecting a transaction that exceeds the amount another broker or dealer would have charged for effecting the same transaction in recognition of the value of brokerage and research services provided by that broker or dealer. This includes commissions paid on riskless principal transactions under certain conditions. Brokerage and research services include: (1) furnishing advice as to the

value of securities, including pricing and appraisal advice, credit analysis, risk measurement analysis, performance and other analysis, as well as the advisability of investing in, purchasing or selling securities, and the availability of securities or purchasers or sellers of securities; (2) furnishing analyses and reports concerning issuers, industries, securities, economic factors and trends, portfolio strategy, and the performance of accounts; and (3) effecting securities transactions and performing functions incidental to securities transactions (such as clearance, settlement, and custody). BlackRock believes that access to independent investment research is beneficial to its investment decision-making processes and, therefore, to the Funds.

BlackRock, unless prohibited by applicable law, may participate in client commission arrangements under which BlackRock may execute transactions through a broker-dealer and request that the broker-dealer allocate a portion of the commissions or commission credits to another firm that provides research to BlackRock. BlackRock believes that research services obtained through soft dollar or commission sharing arrangements enhance its investment decision-making capabilities, thereby increasing the prospects for higher investment returns. BlackRock will engage only in soft dollar or commission sharing transactions that comply with the requirements of Section 28(e) and MiFID II. Under MiFID II, EU investment managers, including BIL, will pay for any research out of their own resources and not through soft dollars or commission sharing arrangements. BlackRock regularly evaluates the soft dollar products and services utilized, as well as the overall soft dollar and commission sharing arrangements to ensure that trades are executed by firms that are regarded as best able to execute trades for client accounts, while at the same time providing access to the research and other services BlackRock views as impactful to its trading results.

BlackRock, unless prohibited by applicable law, may utilize soft dollars and related services, including research (whether prepared by the broker-dealer or prepared by a third-party and provided to BlackRock by the broker-dealer) and execution or brokerage services within applicable rules and BlackRock's policies to the extent that such permitted services do not compromise BlackRock's ability to seek to obtain best execution. In this regard, the portfolio management investment and/or trading teams may consider a variety of factors, including the degree to which the broker-dealer: (a) provides access to company management; (b) provides access to their analysts; (c) provides meaningful/insightful research notes on companies or other potential investments; (d) facilitates calls on which meaningful or insightful ideas about companies or potential investments are discussed; (e) facilitates conferences at which meaningful or insightful ideas about companies or potential investments are discussed; or (f) provides research tools such as market data, financial analysis, and other third-party related research and brokerage tools that aid in the investment process.

Research-oriented services for which BlackRock, unless prohibited by applicable law, might pay with Fund commissions may be in written form or through direct contact with individuals and may include information as to particular companies or industries and securities or groups of securities, as well as market, economic, or institutional advice and statistical information, political developments and technical market information that assists in the valuation of investments. Except as noted immediately below, research services furnished by brokers may be used in servicing some or all client accounts and not all services may be used in connection with the Fund or account that paid commissions to the broker providing such services. In some cases, research information received from brokers by mutual fund management personnel, or personnel principally responsible for BlackRock's individually managed portfolios, is not necessarily shared by and between such personnel. Any investment advisory or other fees paid by a Fund to BlackRock are not reduced as a result of BlackRock's receipt of research services. In some cases, BlackRock may receive a service from a broker that has both a "research" and a "non-research" use. When this occurs BlackRock makes a good faith allocation, under all the circumstances, between the research and non-research uses of the service. The percentage of the service that is used for research purposes may be paid for with client commissions, while BlackRock will use its own funds to pay for the percentage of the service that is used for non-research purposes. In making this good faith allocation, BlackRock faces a potential conflict of interest, but BlackRock believes that its allocation procedures are reasonably designed to ensure that it appropriately allocates the anticipated use of such services to their research and non-research uses.

Effective January 3, 2018 under MiFID II, investment managers in the EU, including BIL, will no longer be able to use soft dollars to pay for research from brokers. Investment managers in the EU will be required to either pay for research out of their own profit and loss or agree with clients to have research costs paid by clients through research payment accounts that are funded out of execution commissions or by a specific client research charge, provided that the payments for research are unbundled from the payments for execution. MiFID II will restrict the use of soft dollars by sub-advisers to the Funds located in the EU, such as BIL, if applicable. BIL will pay for any research out of its own resources and not through soft dollars or commission sharing arrangements.

Payments of commissions to brokers who are affiliated persons of the Fund, or the Master Portfolio with respect to the Feeder Fund (or affiliated persons of such persons), will be made in accordance with Rule 17e-1 under the Investment Company Act.

Subject to policies established by the Board of Directors of the Master Portfolio, BlackRock is primarily responsible for the execution of the Master Portfolio's portfolio transactions and the allocation of brokerage.

From time to time, a Fund may purchase new issues of securities in a fixed price offering. In these situations, the broker may be a member of the selling group that will, in addition to selling securities, provide BlackRock with research services. FINRA has adopted rules expressly permitting these types of arrangements under certain circumstances. Generally, the broker will provide research "credits" in these situations at a rate that is higher than that available for typical secondary market transactions. These arrangements may not fall within the safe harbor of Section 28(e).

BlackRock does not consider sales of shares of the mutual funds it advises as a factor in the selection of brokers or dealers to execute portfolio transactions for a Fund; however, whether or not a particular broker or dealer sells shares of the mutual funds advised by BlackRock neither qualifies nor disqualifies such broker or dealer to execute transactions for those mutual funds.

Each Fund anticipates that its brokerage transactions involving foreign securities generally will be conducted primarily on the principal stock exchanges of the applicable country. Foreign equity securities may be held by a Fund in the form of depositary receipts, or other securities convertible into foreign equity securities. Depositary receipts may be listed on stock exchanges, or traded in OTC markets in the United States or Europe, as the case may be. American Depositary Receipts, like other securities traded in the United States, will be subject to negotiated commission rates. Because the shares of each Fund are redeemable on a daily basis in U.S. dollars, each Fund intends to manage its portfolio so as to give reasonable assurance that it will be able to obtain U.S. dollars to the extent necessary to meet anticipated redemptions. Under present conditions, it is not believed that these considerations will have a significant effect on a Fund's portfolio strategies.

See "Portfolio Transactions and Brokerage" in the SAI for information about the brokerage commissions paid by your Fund, including commissions paid to affiliates, if any, for the periods indicated.

Each Fund may invest in certain securities traded in the OTC market and intends to deal directly with the dealers who make a market in the particular securities, except in those circumstances in which better prices and execution are available elsewhere. Under the Investment Company Act, persons affiliated with a Fund and persons who are affiliated with such affiliated persons are prohibited from dealing with the Fund as principal in the purchase and sale of securities unless a permissive order allowing such transactions is obtained from the Commission. Since transactions in the OTC market usually involve transactions with the dealers acting as principal for their own accounts, the Funds will not deal with affiliated persons, including PNC and its affiliates, in connection with such transactions. However, an affiliated person of a Fund may serve as its broker in OTC transactions conducted on an agency basis provided that, among other things, the fee or commission received by such affiliated broker is reasonable and fair compared to the fee or commission received by non-affiliated brokers in connection with comparable transactions. In addition, a Fund may not purchase securities during the existence of any underwriting syndicate for such securities of which PNC is a member or in a private placement in which PNC serves as placement agent except pursuant to procedures approved by the Board of Directors that either comply with rules adopted by the Commission or with interpretations of the Commission staff.

OTC issues, including most fixed-income securities such as corporate debt and U.S. Government securities, are normally traded on a "net" basis without a stated commission, through dealers acting for their own account and not as brokers. The Funds will primarily engage in transactions with these dealers or deal directly with the issuer unless a better price or execution could be obtained by using a broker. Prices paid to a dealer with respect to both foreign and domestic securities will generally include a "spread," which is the difference between the prices at which the dealer is willing to purchase and sell the specific security at the time, and includes the dealer's normal profit.

Purchases of money market instruments by a Fund are made from dealers, underwriters and issuers. The Funds do not currently expect to incur any brokerage commission expense on such transactions because money market instruments are generally traded on a "net" basis with dealers acting as principal for their own accounts without a stated commission. The price of the security, however, usually includes a profit to the dealer. Each money market fund intends to purchase only securities with remaining maturities of 13 months or less as determined in accordance with the rules of the SEC. As a result, the portfolio turnover rates of a money market fund will be relatively high. However, because brokerage commissions will not normally be paid with respect to investments made by a money market fund, the turnover rates should not adversely affect the Fund's net asset values or net income.

Securities purchased in underwritten offerings include a fixed amount of compensation to the underwriter, generally referred to as the underwriter's concession or discount. When securities are purchased or sold directly from or to an issuer, no commissions or discounts are paid.

The Manager or Sub-Advisers may seek to obtain an undertaking from issuers of commercial paper or dealers selling commercial paper to consider the repurchase of such securities from a Fund prior to maturity at their original cost plus interest (sometimes adjusted to reflect the actual maturity of the securities), if it believes that a Fund's anticipated need for liquidity makes such action desirable. Any such repurchase prior to maturity reduces the possibility that a Fund would incur a capital loss in liquidating commercial paper, especially if interest rates have risen since acquisition of such commercial paper.

Investment decisions for each Fund and for other investment accounts managed by the Manager or Sub-Advisers are made independently of each other in light of differing conditions. BlackRock allocates investments among client accounts in a fair and equitable manner. A variety of factors will be considered in making such allocations. These factors include: (i) investment objectives or strategies for particular accounts, including sector, industry, country or region and capitalization weightings, (ii) tax considerations of an account, (iii) risk or investment concentration parameters for an account, (iv) supply or demand for a security at a given price level, (v) size of available investment, (vi) cash availability and liquidity requirements for accounts, (vii) regulatory restrictions, (viii) minimum investment size of an account, (ix) relative size of account, and (x) such other factors as may be approved by BlackRock's general counsel. Moreover, investments may not be allocated to one client account over another based on any of the following considerations: (i) to favor one client account at the expense of another, (ii) to generate higher fees paid by one client account over another or to produce greater performance compensation to BlackRock, (iii) to develop or enhance a relationship with a client or prospective client, (iv) to compensate a client for past services or benefits rendered to BlackRock or to induce future services or benefits to be rendered to BlackRock, or (v) to manage or equalize investment performance among different client accounts.

Equity securities will generally be allocated among client accounts within the same investment mandate on a pro rata basis. This pro rata allocation may result in a Fund receiving less of a particular security than if pro-ration had not occurred. All allocations of equity securities will be subject, where relevant, to share minimums established for accounts and compliance constraints.

Initial public offerings of securities may be over-subscribed and subsequently trade at a premium in the secondary market. When BlackRock is given an opportunity to invest in such an initial offering or "new" or "hot" issue, the supply of securities available for client accounts is often less than the amount of securities the accounts would otherwise take. In order to allocate these investments fairly and equitably among client accounts over time, each portfolio manager or a member of his or her respective investment team will indicate to BlackRock's trading desk their level of interest in a particular offering with respect to eligible client accounts for which that team is responsible. Initial public offerings of U.S. equity securities will be identified as eligible for particular client accounts that are managed by portfolio teams who have indicated interest in the offering based on market capitalization of the issuer of the security and the investment mandate of the client account and in the case of international equity securities, the country where the offering is taking place and the investment mandate of the client account. Generally, shares received during the initial public offering will be allocated among participating client accounts within each investment mandate on a pro rata basis. In situations where supply is too limited to be allocated among all accounts for which the investment is eligible, portfolio managers may rotate such investment opportunities among one or more accounts so long as the rotation system provides for fair access for all client accounts over time. Other allocation methodologies that are considered by BlackRock to be fair and equitable to clients may be used as well.

Because different accounts may have differing investment objectives and policies, BlackRock may buy and sell the same securities at the same time for different clients based on the particular investment objective, guidelines and strategies of those accounts. For example, BlackRock may decide that it may be entirely appropriate for a growth fund to sell a security at the same time a value fund is buying that security. To the extent that transactions on behalf of more than one client of BlackRock or its affiliates during the same period may increase the demand for securities being purchased or the supply of securities being sold, there may be an adverse effect on price. For example, sales of a security by BlackRock on behalf of one or more of its clients may decrease the market price of such security, adversely impacting other BlackRock clients that still hold the security. If purchases or sales of securities arise for consideration at or about the same time that would involve a Fund or other clients or funds for which BlackRock or an affiliate act as investment manager, transactions in such securities will be made, insofar as feasible, for the respective funds and clients in a manner deemed equitable to all.

In certain instances, BlackRock may find it efficient for purposes of seeking to obtain best execution, to aggregate or "bunch" certain contemporaneous purchases or sale orders of its advisory accounts. In general, all contemporaneous trades for client accounts under management by the same portfolio manager or investment team will be bunched in a single order if the trader believes the bunched trade would provide each client with an opportunity to achieve a more favorable execution at a potentially lower execution cost. The costs associated with a bunched order will be shared pro rata among the clients in the bunched order.

Generally, if an order for a particular portfolio manager or management team is filled at several different prices through multiple trades, all accounts participating in the order will receive the average price except in the case of certain international markets where average pricing is not permitted. While in some cases this practice could have a detrimental effect upon the price or value of the security as far as a Fund is concerned, in other cases it could be beneficial to the Fund. Transactions effected by BlackRock on behalf of more than one of its clients during the same period may increase the demand for securities being purchased or the supply of securities being sold, causing an adverse effect on price. The trader will give the bunched order to the broker dealer that the trader has identified as being able to provide the best execution of the order. Orders for purchase or sale of securities will be placed within a reasonable amount of time of the order receipt and bunched orders will be kept bunched only long enough to execute the order.

A Fund will not purchase securities during the existence of any underwriting or selling group relating to such securities of which BlackRock, PNC, BRIL or any affiliated person (as defined in the Investment Company Act) thereof is a member except pursuant to procedures adopted by the Board of Directors in accordance with Rule 10f-3 under the Investment Company Act. In no instance will portfolio securities be purchased from or sold to BlackRock, PNC, BRIL or any affiliated person of the foregoing entities except as permitted by Commission exemptive order or by applicable law.

Portfolio Turnover

While a Fund generally does not expect to engage in trading for short-term gains, it will effect portfolio transactions without regard to any holding period if, in Fund management's judgment, such transactions are advisable in light of a change in circumstances of a particular company or within a particular industry or in general market, economic or financial conditions. The portfolio turnover rate is calculated by dividing the lesser of a Fund's annual sales or purchases of portfolio securities (exclusive of purchases or sales of U.S. government securities and all other securities whose maturities at the time of acquisition were one year or less) by the monthly average value of the securities in the portfolio during the year. A high rate of portfolio turnover results in certain tax consequences, such as increased capital gain dividends and/or ordinary income dividends, and in correspondingly greater transaction costs in the form of dealer spreads and brokerage commissions, which are borne directly by a Fund.

DIVIDENDS AND TAXES

Dividends

Each Fund intends to distribute substantially all of its net investment income, if any. Dividends from such net investment income are paid as set forth in each Fund's Prospectus. Each Fund also intends to distribute all net realized capital gains, if any, as set forth in such Fund's Prospectus. From time to time, a Fund may declare a special distribution at or about the end of the calendar year in order to comply with U.S. federal tax requirements that certain percentages of its ordinary income and capital gains be distributed during the year. If, in any fiscal year, a Fund has net income from certain foreign currency transactions, such income will be distributed at least annually.

For information concerning the manner in which dividends may be reinvested automatically in shares of each Fund, see "Shareholder Services — Automatic Dividend Reinvestment Plan." Shareholders may also elect in writing to receive any such dividends in cash. Dividends are taxable to shareholders, as discussed below, whether they are reinvested in shares of the Fund or received in cash. The per share dividends on front-end load shares, CDSC shares and Service Shares will be lower than the per share dividends on Institutional Shares as a result of the service, distribution and higher transfer agency fees applicable to CDSC shares, the service fees applicable to front-end load shares and Service Shares, and the service and distribution fees applicable to Class R Shares. Similarly, the per share dividends on CDSC shares and Class R Shares will be lower than the per share dividends on front-end load shares and Service Shares as a result of the distribution fees and higher transfer agency fees applicable to CDSC shares and the distribution fees applicable to Class R Shares, and the per share dividends on CDSC shares will be lower than the per share dividends on Class R Shares as a result of the higher distribution fees and higher transfer agency fees applicable to CDSC shares.

Taxes

Each Fund intends to continue to qualify for the special tax treatment afforded to regulated investment companies ("RICs") under the Code. As long as a Fund so qualifies, the Fund (but not its shareholders) will not be subject to U.S. federal income tax on the part of its investment company taxable income and net realized capital gains that it distributes to its shareholders in years in which it distributes at least 90% of its investment company taxable income and at least 90% of its net tax-exempt interest income, if any,

for the year. To qualify as a RIC, a Fund must meet certain requirements regarding the source of its income and the composition and diversification of its assets. See Part II, “Investment Risks and Considerations — Investment Restrictions (All Funds)” for a discussion of the asset diversification requirements. In the case of a Feeder Fund, such Fund may look to the underlying assets of the Master Portfolio in which it has invested for purposes of satisfying the asset diversification requirement and various other requirements of the Code applicable to RICs.

A Fund may be able to cure a failure to derive at least 90% of its income from the sources specified above or a failure to diversify its holdings in the manner described above by paying a tax, by disposing of certain assets, or by paying a tax and disposing of assets. If, in any taxable year, a Fund fails one of these tests and does not timely cure the failure, the Fund will be taxed in the same manner as an ordinary corporation and distributions to its shareholders will not be deductible by the Fund in computing its taxable income. Although in general the passive loss rules of the Code do not apply to RICs, such rules do apply to a RIC with respect to items attributable to an interest in a qualified publicly-traded partnership. A Fund’s investments in partnerships, including in qualified publicly-traded partnerships, may result in the Fund being subject to state, local, or non-U.S. income, franchise or withholding tax liabilities.

Each Fund intends to distribute substantially all of such income and gains. If, in any taxable year, a Fund fails to qualify as a RIC under the Code, notwithstanding the availability of certain relief provisions, such Fund would be taxed in the same manner as an ordinary corporation and all distributions from earnings and profits (as determined under U.S. federal income tax principles) to its shareholders would be taxable as ordinary dividend income eligible for taxation at a reduced tax rate for non-corporate shareholders and the dividends-received deduction for corporate shareholders. Each Fund that is a series of a RIC that consists of multiple series is treated as a separate corporation for U.S. federal income tax purposes, and therefore is considered to be a separate entity in determining its treatment under the rules for RICs. Losses in one series of a RIC do not offset gains in another, and the requirements (other than certain organizational requirements) for qualifying for RIC status will be determined at the level of the individual series. In the following discussion, the term “Fund” means each individual series, if applicable.

The Code requires a RIC to pay a nondeductible 4% excise tax to the extent the RIC does not distribute, during each calendar year, at least 98% of its ordinary income, determined on a calendar year basis, and at least 98.2% of its capital gain net income, determined, in general, as if the RIC’s taxable year ended on October 31, plus certain undistributed amounts from the previous years. While each Fund intends to distribute its income and capital gains in the manner necessary to avoid imposition of the 4% excise tax, there can be no assurance that a sufficient amount of the Fund’s taxable income and capital gains will be distributed to avoid entirely the imposition of the tax. In such event, a Fund will be liable for the tax only on the amount by which it does not meet the foregoing distribution requirements.

Net capital loss carryforwards may be applied against realized capital gains in each succeeding year, until they have been reduced to zero. In the event that the Fund were to experience an ownership change as defined under the Code, the Fund’s loss carryforwards and other favorable tax attributes of the Fund, if any, may be subject to limitation.

Dividends paid by a Fund from its ordinary income or from an excess of net short-term capital gain over net long-term capital loss (together referred to as “ordinary income dividends”) are taxable to shareholders as ordinary income. Distributions made from an excess of net long-term capital gain over net short-term capital loss (including gains or losses from certain transactions in futures and options) (“capital gain dividends”) are taxable to shareholders as long-term capital gains, regardless of the length of time the shareholder has owned Fund shares. Distributions paid by a Fund that are reported as exempt-interest dividends will not be subject to regular U.S. federal income tax. Certain dividend income and long-term capital gains are eligible for taxation at a reduced rate that applies to non-corporate shareholders. Under these rules, the portion of ordinary income dividends constituting “qualified dividend income” when paid by a RIC to a non-corporate shareholder may be taxable to such shareholder at long-term capital gain rates provided the shareholder has held the shares on which the dividend was paid for at least 61 days during the 121-day period that begins on the date that is 60 days before the date on which the shares become ex-dividend with respect to such dividend (or, in the case of certain accumulated dividends with respect to preferred stocks, the shareholder has held the shares on which the dividend was paid for at least 91 days during the 181-day period that begins on the date that is 90 days before the date on which the shares become ex-dividend with respect to such dividend). However, to the extent a Fund’s distributions are derived from income on debt securities, certain types of preferred stock treated as debt for U.S. federal income tax purposes and short-term capital gains, such distributions will not constitute “qualified dividend income.” In addition, distributions that are derived from securities lending income, such as substitute dividend payments, will not constitute “qualified dividend income.”

A 3.8% Medicare tax is imposed on the net investment income (which includes taxable dividends and redemption proceeds) of certain individuals, trusts and estates.

A Fund's net capital gain (the excess of net long-term capital gains over net short-term capital losses) is not subject to the 90% distribution requirement for taxation as a RIC, described above. If a Fund retains net capital gain, it is subject to tax on that gain, and may designate the retained amount as undistributed capital gain in a written statement furnished to its shareholders, who will be required to include in income, as long-term capital gain, their proportionate shares of such undistributed net capital gain, will be deemed to have paid and may claim as a credit against their U.S. federal income tax liability (and as a refund to the extent it exceeds that liability) their proportionate shares of the tax paid by the Fund on that gain, and shall increase the tax basis of their shares in the Fund by the excess of the amount included in income over the amount allowed as a credit against their taxes.

Distributions in excess of a Fund's current and accumulated earnings and profits will first reduce the adjusted tax basis of a holder's shares and after such adjusted tax basis is reduced to zero, will constitute capital gains to such holder (assuming the shares are held as a capital asset). Distributions in excess of a Fund's minimum distribution requirements (or taxable income) but not in excess of a Fund's earnings and profits will be taxable to shareholders and will not constitute nontaxable returns of capital. A Fund's capital loss carryovers, if any, carried from taxable years beginning before 2011 do not reduce current earnings and profits even if such carryforwards reduce current year realized gains. In the case of a Fund with a non-calendar taxable year, a Fund's earnings and profits are allocated first to distributions made on or before December 31 of the taxable year, and then to distributions made after December 31 of the taxable year. Any loss upon the sale or exchange of Fund shares held for six months or less will be treated as long-term capital loss to the extent of any capital gain dividends received by the shareholder.

Ordinary income and capital gain dividends are taxable to shareholders even if they are reinvested in additional shares of a Fund. Distributions by a Fund, whether from ordinary income or capital gains, generally will not be eligible for the dividends received deduction allowed to corporations under the Code. If a Fund pays a dividend in January that was declared in the previous October, November or December to shareholders of record on a specified date in one of such months, then such dividend will be treated for tax purposes as being paid by the Fund and received by its shareholders on December 31 of the year in which the dividend was declared. In the case of a Fund with a non-calendar taxable year, if the Fund reports more capital gain dividends than it earns in such taxable year, then the Fund will reduce the amounts reported as capital gains. Where possible, such reduction will first be allocated to dividends made after December 31 of such taxable year. A Fund may elect to defer recognizing, until the following taxable year, certain net capital losses arising after October 31 of the current taxable year, and certain net ordinary losses arising after October 31 and/or December 31 of the current taxable year. This may have the effect of increasing the amount of dividends otherwise includible in the shareholder's income with respect to the current taxable year.

No gain or loss will be recognized by Investor C, C1, C2 or C3 shareholders on the conversion to Investor A Shares. A shareholder's tax basis in the Investor A Shares acquired upon conversion will be the same as the shareholder's tax basis in the converted Investor C, C1, C2 or C3 Shares, as applicable, and the holding period of the acquired Investor A Shares will include the holding period for the converted Investor C, C1, C2 or C3 Shares, as applicable.

If a shareholder of a Fund exercises an exchange privilege within 90 days of acquiring the shares of a Fund, but on or before January 31 of the following year, then the loss that the shareholder recognizes on the exchange will be reduced (or the gain increased) to the extent any sales charge paid on the exchanged shares reduces any sales charge the shareholder would have owed upon the purchase of the new shares in the absence of the exchange privilege. Instead, such sales charge will be treated as an amount paid for the new shares.

A loss realized on a sale or exchange of shares of a Fund will be disallowed if other substantially identical shares are acquired (whether through the automatic reinvestment of dividends or otherwise) within a 61-day period beginning 30 days before and ending 30 days after the date on which the shares are sold or exchanged. In such case, the basis of the shares acquired will be adjusted to reflect the disallowed loss.

A Fund is also generally required by law to report to each shareholder and to the Internal Revenue Service (the "IRS") cost basis information for shares of the Fund acquired on or after January 1, 2012, and sold or redeemed after that date. This information includes the adjusted cost basis of the shares, the gross proceeds from disposition, and whether the gain or loss is long-term or short-term. The adjusted cost basis of shares will be based on the default cost basis reporting method selected by the Fund, unless a shareholder, before the sale or redemption, informs the Fund that it has selected a different IRS-accepted method offered by the Fund. These requirements, however, will not apply for investments through an IRA or other tax-advantaged account. Shareholders should consult their tax advisors to determine the best cost basis method for their tax situation, and to obtain more information about how these new cost basis reporting requirements apply to them. For shares of a Fund acquired before January 1, 2012, these new requirements will not apply, but the Fund will continue to report to the IRS the gross proceeds received by a shareholder from the sale or redemption of such shares.

Certain Funds may invest in derivative contracts such as options, futures contracts, forward contracts and swap agreements. The U.S. federal income tax treatment of a derivative contract may not be as favorable as a direct investment in the underlying security and may adversely affect the timing, character and amount of income the Fund realizes from its investments. As a result, a larger portion of the Fund's distributions may be treated as ordinary income rather than capital gains. In addition, section 1256 contracts held by a Fund at the end of each taxable year (and, for purposes of the 4% excise tax, certain other dates as prescribed under the Code) are generally "marked-to-market," and unrealized gains or losses are treated as though they were realized, which may increase the amount that must be distributed to meet distribution requirements and avoid the excise tax. In addition, the tax treatment of certain derivative contracts, such as swap agreements, is unsettled and may be subject to future legislation, regulation or administrative pronouncements issued by the IRS. If such future guidance limits the Fund's ability to use derivatives, the Fund may have to find other ways of achieving its investment objectives.

A provision added to the Code by the Dodd-Frank Wall Street Reform and Consumer Protection Act clarifies that certain swap agreements, including exchange-traded swap agreements, are treated as notional principal contracts rather than as section 1256 contracts. This can affect the type of income earned by such swap agreements. Although all of the income on a notional principal contract is ordinary income, only some of the income on a section 1256 contract is short-term capital gain, which is generally taxable at ordinary income rates. The rest is long-term capital gain, which may be taxable at more favorable rates than ordinary income. Recently proposed regulations interpret what types of swap agreements are to be treated as notional principal contracts rather than as section 1256 contracts. When finalized, these regulations could result in the Fund having to treat more of its income on swap agreements and more of the distributions made to shareholders as ordinary income and less as long-term capital gains.

Certain Funds may invest in zero coupon U.S. Treasury bonds and other debt securities that are issued at a discount or provide for deferred interest. Even though a Fund receives no actual interest payments on these securities, it will be deemed to receive income equal, generally, to a portion of the excess of the stated redemption price of the securities over their issue price ("original issue discount") each year that the securities are held. Since the original issue discount income earned by a Fund in a taxable year may not be represented by cash income, the Fund may have to dispose of securities, which it might otherwise have continued to hold, or borrow to generate cash in order to satisfy its distribution requirements. In addition, a Fund's investment in foreign currencies or foreign currency denominated or referenced debt securities, certain asset-backed securities and contingent payment and inflation-indexed debt instruments also may increase or accelerate the Fund's recognition of income, including the recognition of taxable income in excess of cash generated by such investments.

Ordinary income dividends paid to shareholders who are nonresident aliens or foreign entities (other than pass-through entities to the extent owned by U.S. persons) generally will be subject to a 30% U.S. withholding tax under existing provisions of the Code applicable to foreign individuals and entities unless a reduced rate of withholding or a withholding exemption is provided under applicable treaty law. Capital gain dividends paid to shareholders that are nonresident aliens or foreign entities, if and to the extent properly reported as capital gain dividends, generally will not be subject to a 30% withholding tax, unless certain exceptions apply. Dividends derived by a RIC from short-term capital gains and qualified net interest income (including income from original issue discount and market discount) and paid to shareholders who are nonresident aliens or foreign entities, if and to the extent properly reported as "short-term capital gain dividends" or "interest-related dividends", respectively, generally will not be subject to U.S. withholding tax. Where possible, the Funds intend to report such dividends as interest-related dividends or short-term capital gain dividends. However, depending on its circumstances, a Fund may report all, some or none of its potentially eligible dividends as interest-related or as short-term capital gain dividends, and/or treat such dividends, in whole or in part, as ineligible for this exemption from withholding. In order to qualify for this exemption from withholding, a foreign shareholder must comply with applicable certification requirements relating to its foreign status (including, in general, furnishing an IRS Form W-8BEN, IRS Form W-8BEN-E or substitute Form). In the case of shares held through an intermediary, the intermediary may withhold even if the Fund reports the payment as an interest-related or short-term capital gain dividend. Foreign shareholders should contact their intermediaries with respect to the application of these rules to their accounts. It is not possible to predict what portion, if any, of a Fund's distributions will be reported as interest-related dividends or short-term capital gain dividends under these rules.

Distributions to certain foreign shareholders by a Fund at least 50% of the assets of which are "U.S. real property interests" (as defined in the Code and Treasury regulations) at any time during the five-year period ending on the date of the distributions, to the extent the distributions are attributable to gains from sales or exchanges of U.S. real property interests (including shares in certain "U.S. real property holding corporations" such as certain REITs, although exceptions may apply if any class of stock of such a corporation is regularly traded on an established securities market and the Fund has held no more than 5% of such class of stock at any time during the five-year period ending on the date of the distributions), generally must be treated by such foreign

shareholders as income effectively connected to a trade or business within the United States, which is generally subject to tax at the graduated rates applicable to U.S. shareholders, except for distributions to foreign shareholders that held no more than 5% of any class of stock of the Fund at any time during the previous one-year period ending on the date of the distributions. Such distributions may be subject to U.S. withholding tax and may require a foreign shareholder to file a U.S. federal income tax return. In addition, sales or redemptions of shares held by certain foreign shareholders in such a Fund generally will be subject to U.S. withholding tax and generally will require the foreign shareholder to file a U.S. federal income tax return, although exceptions may apply if more than 50% of the value of the Fund's shares are held by U.S. shareholders or the foreign shareholder selling or redeeming the shares has held no more than 5% of any class of stock of the Fund at any time during the five-year period ending on the date of the sale or redemption.

Provided that more than 50% of the value of a Fund's stock is held by U.S. shareholders, redemptions and other distributions made in the form of U.S. real property interests (including shares in certain "U.S. real property holding corporations", although exceptions may apply if any class of stock of such a corporation is regularly traded on an established securities market and the Fund has held no more than 5% of such class of stock at any time during the five-year period ending on the date of the distribution) generally will cause the Fund to recognize a portion of any unrecognized gain in the U.S. real property interests equal to the product of (i) the excess of fair market value of such U.S. real property interests over the Fund's adjusted bases in such interests and (ii) the greatest foreign ownership percentage of the Fund during the five-year period ending on the date of distribution.

Shareholders that are nonresident aliens or foreign entities are urged to consult their own tax advisors concerning the particular tax consequences to them of an investment in a Fund.

Separately, a 30% withholding tax is currently imposed on U.S.-source dividends, interest and other income items and will be imposed on proceeds from the sale, redemption or disposition of property producing U.S.-source dividends and interest paid after December 31, 2018, to (i) certain foreign financial institutions and investment funds, and (ii) certain other foreign entities. To avoid withholding, foreign financial institutions and investment funds will generally either need to (a) collect and report to the IRS detailed information identifying their U.S. accounts and U.S. account holders, comply with due diligence procedures for identifying U.S. accounts and withhold tax on certain payments made to noncomplying foreign entities and account holders or (b) if an intergovernmental agreement is entered into and implementing legislation is adopted, comply with the agreement and legislation. Other foreign entities will generally either need to provide detailed information identifying each substantial U.S. owner or certify there are no such owners.

Under certain provisions of the Code, some shareholders may be subject to a 24% withholding tax on ordinary income dividends, capital gain dividends and redemption payments ("backup withholding"). Generally, shareholders subject to backup withholding will be non-corporate shareholders for whom no certified taxpayer identification number is on file with the Fund or who, to the Fund's knowledge, have furnished an incorrect number. When establishing an account, an investor must certify under penalty of perjury that such number is correct and that such investor is not otherwise subject to backup withholding. Backup withholding is not an additional tax. Any amount withheld generally may be allowed as a refund or a credit against a shareholder's U.S. federal income tax liability, provided that the required information is timely forwarded to the IRS.

If a shareholder recognizes a loss with respect to a Fund's shares of \$2 million or more for an individual shareholder or \$10 million or more for a corporate shareholder in any single taxable year (or a greater amount in any combination of taxable years), the shareholder must file a disclosure statement on IRS Form 8886 with the IRS. Direct shareholders of portfolio securities are in many cases exempted. That a loss is reportable under these regulations does not affect the legal determination of whether the taxpayer's treatment of the loss is proper. Shareholders should consult their tax advisors to determine the applicability of these regulations in light of their individual circumstances.

Dividends and interest received and capital gains realized by a Fund may give rise to withholding and other taxes imposed by foreign countries. Tax conventions between certain foreign countries and the United States may reduce or eliminate such taxes. Shareholders of a Fund more than 50% by value of the assets of which at the close of a taxable year are foreign securities may be able to claim U.S. foreign tax credits with respect to such foreign taxes paid by the Fund, subject to certain requirements and limitations contained in the Code. For example, certain retirement accounts and certain tax-exempt organizations cannot claim foreign tax credits on investments in foreign securities held in a Fund. In addition, a foreign tax credit may be claimed with respect to withholding tax on payments with respect to a security only if the holder of the security meets certain holding period requirements. Both the shareholder and the Fund must meet these holding period requirements, and if a Fund fails to do so, it will not be able to "pass through" to shareholders the ability to claim a credit or a deduction for the related foreign taxes paid by the

Fund. Further, to the extent that a Fund engages in securities lending with respect to a security paying income subject to foreign taxes, it may not be able to pass through to its shareholders the ability to take a foreign tax credit for those taxes. If a Fund satisfies the applicable requirements, such Fund will be eligible to file an election with the IRS pursuant to which shareholders of the Fund will be required to include their proportionate shares of such foreign taxes in their U.S. income tax returns as gross income, treat such proportionate shares as taxes paid by them, and deduct such proportionate shares in computing their taxable incomes or, alternatively, use them as foreign tax credits against their U.S. income taxes. No deductions for foreign taxes, however, may be claimed by noncorporate shareholders who do not itemize deductions. A shareholder that is a nonresident alien individual or a foreign corporation may be subject to U.S. withholding tax on the income resulting from a Fund's election described in this paragraph but may not be able to claim a credit or deduction against such U.S. tax for the foreign taxes treated as having been paid by such shareholder. A Fund will report annually to its shareholders the amount per share of such foreign taxes and other information needed to claim the foreign tax credit.

Certain transactions entered into by the Funds are subject to special tax rules of the Code that may, among other things, (a) affect the character of gains and losses realized, (b) disallow, suspend or otherwise limit the allowance of certain losses or deductions, and (c) accelerate the recognition of income without a corresponding receipt of cash (with which to make the necessary distributions to satisfy distribution requirements applicable to RICs). Operation of these rules could, therefore, affect the character, amount and timing of distributions to shareholders. Special tax rules also may require a Fund to mark-to-market certain types of positions in its portfolio (*i.e.*, treat them as sold on the last day of the taxable year), and may result in the recognition of income without a corresponding receipt of cash. Funds engaging in transactions affected by these provisions intend to monitor their transactions, make appropriate tax elections and make appropriate entries in their books and records to lessen the effect of these tax rules and avoid any possible disqualification from the special treatment afforded RICs under the Code.

A Fund may take certain positions through a wholly-owned (or majority-owned), foreign subsidiary (the "Subsidiary"). It is expected that the Subsidiary will be a "controlled foreign corporation" and that all of its net income will be "subpart F income" for U.S. federal income tax purposes. If that is the case, the Fund will be required to report all of the Subsidiary's net income as ordinary income regardless of whether that income would be treated differently (for example, as capital gain) at the Subsidiary level and regardless of whether that income is distributed to the Fund. (Previously taxed income will not, however, be taxable again when distributed.) In order to qualify as a RIC, at least 90% of the Fund's gross income for the taxable year must be qualifying income. The IRS has proposed regulations that if finalized in current form would specify that a subpart F income inclusion for U.S. federal income tax purposes will be treated as qualifying income only to the extent that the Subsidiary makes distributions out of its earnings and profits in the same taxable year. If a net loss is realized by the Subsidiary in any taxable year, the loss will generally not be available to offset the Fund's other income. It is not expected that the Subsidiary will be subject to an entity-level federal tax.

If a Fund purchases shares of an investment company (or similar investment entity) organized under foreign law, the Fund will generally be treated as owning shares in a passive foreign investment company ("PFIC") for U.S. federal income tax purposes. A Fund may be subject to U.S. federal income tax, and interest charges (at the rate applicable to tax underpayments) on tax liability treated as having been deferred with respect to certain distributions from such a company and on gain from the disposition of the shares of such a company (collectively referred to as "excess distributions"), even if such excess distributions are paid by the Fund as a dividend to its shareholders. However, a Fund may elect to "mark-to-market" at the end of each taxable year shares that it holds in PFICs. The election is made separately for each PFIC held and, once made, would be effective for all subsequent taxable years, unless revoked with consent from the IRS. Under this election, a Fund would recognize as ordinary income any increase in the value of its shares as of the close of the taxable year over their adjusted tax basis and as ordinary loss any decrease in such value, but only to the extent of previously recognized "mark-to-market" gains. By making the mark-to-market election, a Fund could avoid imposition of the interest charge with respect to excess distributions from PFICs, but in any particular year might be required to recognize income in excess of the distributions it received from PFICs.

If a Fund were to invest in a PFIC and elect to treat the PFIC as a "qualified electing fund" under the Code, in lieu of the foregoing requirements, the Fund would be required to include in income each year a portion of the ordinary earnings and net capital gains of the qualified electing fund, even if not distributed to the Fund, and such amounts would be subject to the 90% and excise tax distribution requirements described above. In order to make this election, the Fund would be required to obtain certain annual information from the PFICs in which it invests, which may be difficult or impossible to obtain.

In certain situations, a Fund may, for a taxable year, defer all or a portion of its net capital loss (or if there is no net capital loss, any net long-term or short-term capital loss) realized after October and its late-year ordinary loss (defined as the sum of the excess

of post-October foreign currency and PFIC losses over post-October foreign currency and PFIC gains plus the excess of post-December ordinary losses over post-December ordinary income) until the next taxable year in computing its investment company taxable income and net capital gain, which will defer the recognition of such realized losses. Such deferrals and other rules regarding gains and losses realized after October (or December) may affect the tax character of shareholder distributions.

In the case of a Feeder Fund, such Fund is entitled to look to the underlying assets of the Master Portfolio in which it has invested for purposes of satisfying various qualification requirements of the Code applicable to RICs. Each Master Portfolio is classified either as a partnership or a separate disregarded entity (depending on the particular Master Portfolio) for U.S. federal income tax purposes. If applicable tax provisions were to change the classification of a Master Portfolio, then the Board of Directors of a Feeder Fund would determine, in its discretion, the appropriate course of action for the Feeder Fund. One possible course of action would be to withdraw the Feeder Fund's investments from the Master Portfolio and to retain an investment manager to manage the Feeder Fund's assets in accordance with the investment policies applicable to the Feeder Fund.

Ordinary income and capital gain dividends may also be subject to state and local taxes. Certain states exempt from state income taxation dividends paid by RICs that are derived from interest on U.S. government obligations. State law varies as to whether dividend income attributable to U.S. government obligations is exempt from state income tax.

Shareholders of each Fund are urged to consult their tax advisers regarding specific questions as to federal, foreign, state or local taxes with respect to their Fund. Foreign investors should consider applicable foreign taxes in their evaluation of an investment in a Fund.

The foregoing general discussion of U.S. federal income tax consequences is based on the Code and the regulations issued thereunder as in effect on the date of this SAI. Future legislative or administrative changes or court decisions may significantly change the conclusions expressed in this discussion, and any such changes or decisions may have a retroactive effect.

PERFORMANCE DATA

From time to time a Fund may include its average annual total return and other total return data, and, if applicable, yield and tax-equivalent yield in advertisements or information furnished to present or prospective shareholders. Total return, yield and tax-equivalent yield each is based on a Fund's historical performance and is not intended to indicate future performance. Average annual total return is determined separately for each class of shares in accordance with a formula specified by the Commission.

Quotations of average annual total return, before tax, for the specified periods are computed by finding the average annual compounded rates of return (based on net investment income and any realized and unrealized capital gains or losses on portfolio investments over such periods) that would equate the initial amount invested to the redeemable value of such investment at the end of each period. Average annual total return before taxes is computed assuming all dividends are reinvested and taking into account all applicable recurring and nonrecurring expenses, including the maximum sales charge, in the case of front-end load shares, and the CDSC that would be applicable to a complete redemption of the investment at the end of the specified period in the case of Investor C Shares, but does not take into account taxes payable on dividends or on redemption.

Quotations of average annual total return after taxes on distributions for the specified periods are computed by finding the average annual compounded rates of return that would equate the initial amount invested to the ending value of such investment at the end of each period assuming payment of taxes on distributions received during such period. Average annual total return after taxes on distributions is computed assuming all distributions, less the taxes due on such distributions, are reinvested and taking into account all applicable recurring and nonrecurring expenses, including the maximum sales charge, in the case of Investor A Shares and the CDSC that would be applicable to a complete redemption of the investment at the end of the specified period in the case of Investor C Shares. The taxes due on distributions are calculated by applying to each distribution the highest applicable marginal U.S. federal individual income tax rates in effect on the reinvestment date for that distribution. The rates used correspond to the tax character (including eligibility for the maximum 20% tax rate applicable to qualified dividend income) of each distribution. The taxable amount and tax character of each distribution are specified by each Fund on the distribution declaration date, but may be adjusted to reflect subsequent recharacterizations of distributions. The applicable tax rates may vary over the measurement period. The effects of state and local taxes are not reflected. Applicable tax credits, such as foreign credits, are taken into account according to U.S. federal tax law. The ending value is determined assuming complete redemption at the end of the applicable periods with no tax consequences associated with such redemption.

Quotations of average annual total return after taxes on distributions and sale of Fund shares for the specified periods are computed by finding the average annual compounded rates of return that would equate the initial amount invested to the ending

value of such investment at the end of each period assuming payment of taxes on distributions received during such period as well as on complete redemption. Average annual total return after taxes on distributions and sale of Fund shares is computed assuming all distributions, less the taxes due on such distributions, are reinvested and taking into account all applicable recurring and nonrecurring expenses, including the maximum sales charge in the case of Investor A Shares and the CDSC that would be applicable to a complete redemption of the investment at the end of the specified period in the case of Investor C Shares and assuming, for all classes of shares, complete redemption and payment of taxes due on such redemption. The ending value is determined assuming complete redemption at the end of the applicable periods, subtracting capital gains taxes resulting from the redemption and adding the presumed tax benefit from capital losses resulting from redemption. The taxes due on distributions and on the deemed redemption are calculated by applying the highest applicable marginal U.S. federal individual income tax rates in effect on the reinvestment and/or the redemption date. The rates used correspond to the tax character (including eligibility for the maximum 20% tax rate applicable to qualified dividend income) of each component of each dividend and/or the redemption payment. The applicable tax rates may vary over the measurement period. The effects of state and local taxes are not reflected. Applicable tax credits, such as foreign tax credits, are taken into account according to U.S. federal tax law.

A Fund also may quote annual, average annual and annualized total return and aggregate total return performance data, both as a percentage and as a dollar amount based on a hypothetical investment of \$1,000 or some other amount, for various periods other than those noted in Part I, Section VII “Fund Performance” of each Fund’s SAI. Such data will be computed as described above, except that (1) as required by the periods of the quotations, actual annual, annualized or aggregate data, rather than average annual data, may be quoted and (2) the maximum applicable sales charges will not be included with respect to annual or annualized rates of return calculations. Aside from the impact on the performance data calculations of including or excluding the maximum applicable sales charges, actual annual or annualized total return data generally will be lower than average annual total return data since the average rates of return reflect compounding of return; aggregate total return data generally will be higher than average annual total return data since the aggregate rates of return reflect compounding over a longer period of time.

Yield quotations will be computed based on a 30-day period by dividing (a) the net income based on the yield of each security earned during the period by (b) the average daily number of shares outstanding during the period that were entitled to receive dividends multiplied by the maximum offering price per share on the last day of the period. Tax equivalent yield quotations will be computed by dividing (a) the part of a Fund’s yield that is tax-exempt by (b) one minus a stated tax rate and adding the result to that part, if any, of the Fund’s yield that is not tax-exempt.

A Fund’s total return will vary depending on market conditions, the securities comprising a Fund’s portfolio, a Fund’s operating expenses and the amount of realized and unrealized net capital gains or losses during the period. The value of an investment in a Fund will fluctuate and an investor’s shares, when redeemed, may be worth more or less than their original cost.

In order to reflect the reduced sales charges in the case of front-end load shares or the waiver of the CDSC in the case of CDSC shares applicable to certain investors, as described under “Purchase of Shares” and “Redemption of Shares,” respectively, the total return data quoted by a Fund in advertisements directed to such investors may take into account the reduced, and not the maximum, sales charge or may take into account the CDSC waiver and, therefore, may reflect greater total return since, due to the reduced sales charges or the waiver of sales charges, a lower amount of expenses is deducted.

On occasion, a Fund may compare its performance to, among other things, the Fund’s benchmark index indicated in the Prospectus, the Value Line Composite Index, the Dow Jones Industrial Average, or to other published indices, or to performance data published by Lipper Inc., Morningstar, Inc. (“Morningstar”), *Money Magazine*, *U.S. News & World Report*, *BusinessWeek*, *Forbes Magazine*, *Fortune Magazine* or other industry publications. When comparing its performance to a market index, a Fund may refer to various statistical measures derived from the historical performance of a Fund and the index, such as standard deviation and beta. As with other performance data, performance comparisons should not be considered indicative of a Fund’s relative performance for any future period. In addition, from time to time a Fund may include the Fund’s Morningstar risk-adjusted performance ratings assigned by Morningstar in advertising or supplemental sales literature. From time to time a Fund may quote in advertisements or other materials other applicable measures of Fund performance and may also make reference to awards that may be given to the Manager. Certain Funds may also compare their performance to composite indices developed by Fund management. A Fund may provide information designed to help investors understand how the Fund is seeking to achieve its investment objectives. This may include information about past, current or possible economic, market, political or other conditions, descriptive information or general principles of investing such as asset allocation, diversification and risk tolerance, discussion of a Fund’s portfolio composition, investment philosophy, strategy or investment techniques, comparisons of the Fund’s performance or portfolio composition to that of other funds or types of investments, indices relevant to the comparison being

made, or to a hypothetical or model portfolio. A Fund may also quote various measures of volatility and benchmark correlation in advertising and other materials, and may compare these measures to those of other funds or types of investments.

PROXY VOTING POLICIES AND PROCEDURES

The Board of Directors of the Funds has delegated the voting of proxies for the Funds' securities to the Manager pursuant to the Manager's proxy voting guidelines and procedures (the "BlackRock Proxy Voting Guidelines"). Under the BlackRock Proxy Voting Guidelines, the Manager will vote proxies related to Fund securities in the best interests of the Fund and its stockholders. From time to time, a vote may present a conflict between the interests of the Fund's stockholders, on the one hand, and those of the Manager, or any affiliated person of the Fund or the Manager, on the other. In such event, provided that the Manager's Equity Investment Policy Oversight Committee, or a sub-committee thereof (the "Committee") is aware of the real or potential conflict or material non-routine matter and if the Committee does not reasonably believe it is able to follow its general voting guidelines (or if the particular proxy matter is not addressed in the guidelines) and vote impartially, the Committee may retain an independent fiduciary to advise the Committee on how to vote or to cast votes on behalf of the Manager's clients. If the Manager determines not to retain an independent fiduciary, or does not desire to follow the advice of such independent fiduciary, the Committee shall determine how to vote the proxy after consulting with the Manager's Portfolio Management Group and/or the Manager's Legal and Compliance Department and concluding that the vote cast is in its client's best interest notwithstanding the conflict. Copies of both the Funds' Proxy Voting Policy and the BlackRock Proxy Voting Guidelines are attached as Appendix B.

Information on how each Fund voted proxies relating to portfolio securities during the most recent 12-month period ended June 30 is available without charge, (i) at www.blackrock.com and (ii) on the Commission's website at <http://www.sec.gov>.

GENERAL INFORMATION

Description of Shares

Shareholders of a Fund are entitled to one vote for each full share held and fractional votes for fractional shares held in the election of Directors and generally on other matters submitted to the vote of shareholders of the Fund. Shareholders of a class that bears distribution and/or shareholder servicing expenses have exclusive voting rights with respect to matters relating to such distribution and shareholder servicing expenditures. Voting rights are not cumulative, so that the holders of more than 50% of the shares voting in the election of Directors can, if they choose to do so, elect all the Directors of a Fund, in which event the holders of the remaining shares would be unable to elect any person as a Director.

No Fund intends to hold annual meetings of shareholders in any year in which the Investment Company Act does not require shareholders to act upon any of the following matters: (i) election of Directors; (ii) approval of a management agreement; (iii) approval of a distribution agreement; and (iv) ratification of selection of independent accountants. Shares issued are fully paid and non-assessable and have no preemptive rights. Redemption and conversion rights are discussed elsewhere herein and in each Fund's Prospectus. Each share of each class of Common Stock is entitled to participate equally in dividends and distributions declared by a Fund and in the net assets of the Fund upon liquidation or dissolution after satisfaction of outstanding liabilities.

For Funds organized as Maryland corporations, the by-laws of the Fund require that a special meeting of shareholders be held upon the written request of a minimum percentage of the outstanding shares of the Fund entitled to vote at such meeting, if they comply with applicable Maryland law.

Certain of the Funds are organized as "Massachusetts business trusts." Under Massachusetts law, shareholders of such a trust may, under certain circumstances, be held personally liable as partners for its obligations. However, the Declaration of Trust establishing a trust, a copy of which for each applicable Fund, together with all amendments thereto (the "Declaration of Trust"), is on file in the office of the Secretary of the Commonwealth of Massachusetts, contains an express disclaimer of shareholder liability for acts or obligations of the trust and provides for indemnification and reimbursement of expenses out of the trust property for any shareholder held personally liable for the obligations of the trust. The Declaration of Trust also provides that a trust may maintain appropriate insurance (for example, fidelity bond and errors and omissions insurance) for the protection of the trust, its shareholders, Trustees, officers, employees and agents covering possible tort and other liabilities. Thus, the risk of a shareholder incurring financial loss on account of shareholder liability is limited to circumstances in which both inadequate insurance existed and the trust itself was unable to meet its obligations.

Certain Funds are organized as Delaware statutory trusts.

Additional Information

Under a separate agreement, BlackRock has granted certain Funds the right to use the “BlackRock” name and has reserved the right to (i) withdraw its consent to the use of such name by a Fund if the Fund ceases to retain BlackRock Advisors, LLC or BlackRock Fund Advisors, as applicable, as investment adviser and (ii) to grant the use of such name to any other company.

See Part I, Section VIII “Additional Information — Principal Shareholders” section of each Fund’s SAI for information on the holders of 5% or more of any class of shares of your Fund.

APPENDIX A

Description of Bond Ratings

A Description of Moody's Investors Service, Inc.'s ("Moody's") Global Rating Scales

Ratings assigned on Moody's global long-term and short-term rating scales are forward-looking opinions of the relative credit risks of financial obligations issued by non-financial corporates, financial institutions, structured finance vehicles, project finance vehicles, and public sector entities. Long-term ratings are assigned to issuers or obligations with an original maturity of one year or more and reflect both on the likelihood of a default on contractually promised payments and the expected financial loss suffered in the event of default. Short-term ratings are assigned to obligations with an original maturity of thirteen months or less and reflect both on the likelihood of a default on contractually promised payments and the expected financial loss suffered in the event of default.

Description of Moody's Long-Term Obligation Ratings

Aaa	Obligations rated Aaa are judged to be of the highest quality, subject to the lowest level of credit risk.
Aa	Obligations rated Aa are judged to be of high quality and are subject to very low credit risk.
A	Obligations rated A are judged to be upper-medium grade and are subject to low credit risk.
Baa	Obligations rated Baa are judged to be medium-grade and subject to moderate credit risk and as such may possess certain speculative characteristics.
Ba	Obligations rated Ba are judged to be speculative and are subject to substantial credit risk.
B	Obligations rated B are considered speculative and are subject to high credit risk.
Caa	Obligations rated Caa are judged to be speculative of poor standing and are subject to very high credit risk.
Ca	Obligations rated Ca are highly speculative and are likely in, or very near, default, with some prospect of recovery of principal and interest.
C	Obligations rated C are the lowest rated and are typically in default, with little prospect for recovery of principal or interest.

Note: Moody's appends numerical modifiers 1, 2, and 3 to each generic rating classification from Aa through Caa. The modifier 1 indicates that the obligation ranks in the higher end of its generic rating category; the modifier 2 indicates a mid-range ranking; and the modifier 3 indicates a ranking in the lower end of that generic rating category.

Hybrid Indicator (hyb)

The hybrid indicator (hyb) is appended to all ratings of hybrid securities issued by banks, insurers, finance companies, and securities firms. By their terms, hybrid securities allow for the omission of scheduled dividends, interest, or principal payments, which can potentially result in impairment if such an omission occurs. Hybrid securities may also be subject to contractually allowable write-downs of principal that could result in impairment. Together with the hybrid indicator, the long-term obligation rating assigned to a hybrid security is an expression of the relative credit risk associated with that security.

Description of Short-Term Obligation Ratings

Moody's employs the following designations to indicate the relative repayment ability of rated issuers:

P-1	Issuers (or supporting institutions) rated Prime-1 have a superior ability to repay short-term debt obligations.
P-2	Issuers (or supporting institutions) rated Prime-2 have a strong ability to repay short-term debt obligations.
P-3	Issuers (or supporting institutions) rated Prime-3 have an acceptable ability to repay short-term obligations.
NP	Issuers (or supporting institutions) rated Not Prime do not fall within any of the Prime rating categories.

Description of Moody's US Municipal Short-Term Obligation Ratings

The Municipal Investment Grade (“MIG”) scale is used to rate US municipal bond anticipation notes of up to three years maturity. Municipal notes rated on the MIG scale may be secured by either pledged revenues or proceeds of a take-out financing received prior to note maturity. MIG ratings expire at the maturity of the obligation, and the issuer’s long-term rating is only one consideration in assigning the MIG rating. MIG ratings are divided into three levels — MIG 1 through MIG 3 — while speculative grade short-term obligations are designated SG.

MIG 1	This designation denotes superior credit quality. Excellent protection is afforded by established cash flows, highly reliable liquidity support, or demonstrated broad-based access to the market for refinancing.
MIG 2	This designation denotes strong credit quality. Margins of protection are ample, although not as large as in the preceding group.
MIG 3	This designation denotes acceptable credit quality. Liquidity and cash-flow protection may be narrow, and market access for refinancing is likely to be less well-established.
SG	This designation denotes speculative-grade credit quality. Debt instruments in this category may lack sufficient margins of protection.

Description of Moody's Demand Obligation Ratings

In the case of variable rate demand obligations (“VRDOs”), a two-component rating is assigned: a long or short-term debt rating and a demand obligation rating. The first element represents Moody’s evaluation of risk associated with scheduled principal and interest payments. The second element represents Moody’s evaluation of risk associated with the ability to receive purchase price upon demand (“demand feature”). The second element uses a rating from a variation of the MIG scale called the Variable Municipal Investment Grade (“VMIG”) scale.

VMIG 1	This designation denotes superior credit quality. Excellent protection is afforded by the superior short-term credit strength of the liquidity provider and structural and legal protections that ensure the timely payment of purchase price upon demand.
VMIG 2	This designation denotes strong credit quality. Good protection is afforded by the strong short-term credit strength of the liquidity provider and structural and legal protections that ensure the timely payment of purchase price upon demand.
VMIG 3	This designation denotes acceptable credit quality. Adequate protection is afforded by the satisfactory short-term credit strength of the liquidity provider and structural and legal protections that ensure the timely payment of purchase price upon demand.
SG	This designation denotes speculative-grade credit quality. Demand features rated in this category may be supported by a liquidity provider that does not have an investment grade short-term rating or may lack the structural and/or legal protections necessary to ensure the timely payment of purchase price upon demand.

Description of S&P Global Ratings (“S&P”), a Division of S&P Global Inc., Issue Credit Ratings

A S&P issue credit rating is a forward-looking opinion about the creditworthiness of an obligor with respect to a specific financial obligation, a specific class of financial obligations, or a specific financial program (including ratings on medium-term note programs and commercial paper programs). It takes into consideration the creditworthiness of guarantors, insurers, or other forms of credit enhancement on the obligation and takes into account the currency in which the obligation is denominated. The opinion reflects S&P’s view of the obligor’s capacity and willingness to meet its financial commitments as they come due, and may assess terms, such as collateral security and subordination, which could affect ultimate payment in the event of default.

Issue credit ratings can be either long-term or short-term. Short-term ratings are generally assigned to those obligations considered short-term in the relevant market. In the U.S., for example, that means obligations with an original maturity of no more than 365 days — including commercial paper. Short-term ratings are also used to indicate the creditworthiness of an obligor with respect to put features on long-term obligations. Medium-term notes are assigned long-term ratings.

Issue credit ratings are based, in varying degrees, on S&P's analysis of the following considerations:

- Likelihood of payment — capacity and willingness of the obligor to meet its financial commitment on an obligation in accordance with the terms of the obligation;
- Nature of and provisions of the obligation and the promise we impute;
- Protection afforded by, and relative position of, the obligation in the event of bankruptcy, reorganization, or other arrangement under the laws of bankruptcy and other laws affecting creditors' rights.

Long-Term Issue Credit Ratings*

AAA	An obligation rated 'AAA' has the highest rating assigned by S&P. The obligor's capacity to meet its financial commitment on the obligation is extremely strong.
AA	An obligation rated 'AA' differs from the highest-rated obligations only to a small degree. The obligor's capacity to meet its financial commitment on the obligation is very strong.
A	An obligation rated 'A' is somewhat more susceptible to the adverse effects of changes in circumstances and economic conditions than obligations in higher-rated categories. However, the obligor's capacity to meet its financial commitment on the obligation is still strong.
BBB	An obligation rated 'BBB' exhibits adequate protection parameters. However, adverse economic conditions or changing circumstances are more likely to lead to a weakened capacity of the obligor to meet its financial commitment on the obligation.
BB; B; CCC; CC; and C	Obligations rated 'BB', 'B', 'CCC', 'CC', and 'C' are regarded as having significant speculative characteristics. 'BB' indicates the least degree of speculation and 'C' the highest. While such obligations will likely have some quality and protective characteristics, these may be outweighed by large uncertainties or major exposures to adverse conditions.
BB	An obligation rated 'BB' is less vulnerable to nonpayment than other speculative issues. However, it faces major ongoing uncertainties or exposure to adverse business, financial, or economic conditions, which could lead to the obligor's inadequate capacity to meet its financial commitment on the obligation.
B	An obligation rated 'B' is more vulnerable to nonpayment than obligations rated 'BB', but the obligor currently has the capacity to meet its financial commitment on the obligation. Adverse business, financial, or economic conditions will likely impair the obligor's capacity or willingness to meet its financial commitment on the obligation.
CCC	An obligation rated 'CCC' is currently vulnerable to nonpayment, and is dependent upon favorable business, financial, and economic conditions for the obligor to meet its financial commitment on the obligation. In the event of adverse business, financial, or economic conditions, the obligor is not likely to have the capacity to meet its financial commitment on the obligation.
CC	An obligation rated 'CC' is currently highly vulnerable to nonpayment. The 'CC' rating is used when a default has not yet occurred, but S&P expects default to be a virtual certainty, regardless of the anticipated time to default.
C	An obligation rated 'C' is currently highly vulnerable to nonpayment, and the obligation is expected to have lower relative seniority or lower ultimate recovery compared to obligations that are rated higher.
D	An obligation rated 'D' is in default or in breach of an imputed promise. For non-hybrid capital instruments, the 'D' rating category is used when payments on an obligation are not made on the date due, unless S&P believes that such payments will be made within five business days in the absence of a stated grace period or within the earlier of the stated grace period or 30 calendar days. The 'D' rating also will be used upon the filing of a bankruptcy petition or the taking of similar action and where default on an obligation is a virtual certainty, for example due to automatic stay provisions. An obligation's rating is lowered to 'D' if it is subject to a distressed exchange offer.
NR	This indicates that no rating has been requested, or that there is insufficient information on which to base a rating, or that S&P does not rate a particular obligation as a matter of policy.

* The ratings from 'AA' to 'CCC' may be modified by the addition of a plus (+) or minus (-) sign to show relative standing within the major rating categories.

Short-Term Issue Credit Ratings

A-1	A short-term obligation rated 'A-1' is rated in the highest category by S&P. The obligor's capacity to meet its financial commitment on the obligation is strong. Within this category, certain obligations are designated with a plus sign (+). This indicates that the obligor's capacity to meet its financial commitment on these obligations is extremely strong.
A-2	A short-term obligation rated 'A-2' is somewhat more susceptible to the adverse effects of changes in circumstances and economic conditions than obligations in higher rating categories. However, the obligor's capacity to meet its financial commitment on the obligation is satisfactory.
A-3	A short-term obligation rated 'A-3' exhibits adequate protection parameters. However, adverse economic conditions or changing circumstances are more likely to lead to a weakened capacity of the obligor to meet its financial commitment on the obligation.
B	A short-term obligation rated 'B' is regarded as vulnerable and has significant speculative characteristics. The obligor currently has the capacity to meet its financial commitments; however, it faces major ongoing uncertainties which could lead to the obligor's inadequate capacity to meet its financial commitments.
C	A short-term obligation rated 'C' is currently vulnerable to nonpayment and is dependent upon favorable business, financial, and economic conditions for the obligor to meet its financial commitment on the obligation.
D	A short-term obligation rated 'D' is in default or in breach of an imputed promise. For non-hybrid capital instruments, the 'D' rating category is used when payments on an obligation are not made on the date due, unless S&P believes that such payments will be made within any stated grace period. However, any stated grace period longer than five business days will be treated as five business days. The 'D' rating also will be used upon the filing of a bankruptcy petition or the taking of a similar action and where default on an obligation is a virtual certainty, for example due to automatic stay provisions. An obligation's rating is lowered to 'D' if it is subject to a distressed exchange offer.

Description of S&P's Municipal Short-Term Note Ratings

A S&P U.S. municipal note rating reflects S&P's opinion about the liquidity factors and market access risks unique to the notes. Notes due in three years or less will likely receive a note rating. Notes with an original maturity of more than three years will most likely receive a long-term debt rating. In determining which type of rating, if any, to assign, S&P's analysis will review the following considerations:

- Amortization schedule — the larger the final maturity relative to other maturities, the more likely it will be treated as a note; and
- Source of payment — the more dependent the issue is on the market for its refinancing, the more likely it will be treated as a note.

S&P's municipal short-term note rating symbols are as follows:

SP-1	Strong capacity to pay principal and interest. An issue determined to possess a very strong capacity to pay debt service is given a plus (+) designation.
SP-2	Satisfactory capacity to pay principal and interest, with some vulnerability to adverse financial and economic changes over the term of the notes.
SP-3	Speculative capacity to pay principal and interest.

Description of Fitch Ratings' ("Fitch's") Credit Ratings Scales

Fitch's credit ratings provide an opinion on the relative ability of an entity to meet financial commitments, such as interest, preferred dividends, repayment of principal, insurance claims or counterparty obligations. Credit ratings are used by investors as indications of the likelihood of receiving the money owed to them in accordance with the terms on which they invested.

Fitch's credit ratings do not directly address any risk other than credit risk. In particular, ratings do not deal with the risk of a market value loss on a rated security due to changes in interest rates, liquidity and other market considerations. However, in terms

of payment obligation on the rated liability, market risk may be considered to the extent that it influences the *ability* of an issuer to pay upon a commitment. Ratings nonetheless do not reflect market risk to the extent that they influence the size or other conditionality of the *obligation* to pay upon a commitment (for example, in the case of index-linked bonds).

In the default components of ratings assigned to individual obligations or instruments, the agency typically rates to the likelihood of non-payment or default in accordance with the terms of that instrument's documentation. In limited cases, Fitch may include additional considerations (*i.e.*, rate to a higher or lower standard than that implied in the obligation's documentation). In such cases, the agency will make clear the assumptions underlying the agency's opinion in the accompanying rating commentary.

The terms "investment grade" and "speculative grade" have established themselves over time as shorthand to describe the categories 'AAA' to 'BBB' (investment grade) and 'BB' to 'D' (speculative grade). The terms "investment grade" and "speculative grade" are market conventions, and do not imply any recommendation or endorsement of a specific security for investment purposes. "Investment grade" categories indicate relatively low to moderate credit risk, while ratings in the "speculative" categories either signal a higher level of credit risk or that a default has already occurred.

A designation of Not Rated or NR is used to denote securities not rated by Fitch where Fitch has rated some, but not all, securities comprising an issuance capital structure.

Description of Fitch's Long-Term Corporate Finance Obligations Rating Scales

Fitch long-term obligations rating scales are as follows:

AAA	Highest credit quality. 'AAA' ratings denote the lowest expectation of credit risk. They are assigned only in cases of exceptionally strong capacity for payment of financial commitments. This capacity is highly unlikely to be adversely affected by foreseeable events.
AA	Very high credit quality. 'AA' ratings denote expectations of very low credit risk. They indicate very strong capacity for payment of financial commitments. This capacity is not significantly vulnerable to foreseeable events.
A	High credit quality. 'A' ratings denote expectations of low credit risk. The capacity for payment of financial commitments is considered strong. This capacity may, nevertheless, be more vulnerable to adverse business or economic conditions than is the case for higher ratings.
BBB	Good credit quality. 'BBB' ratings indicate that expectations of credit risk are currently low. The capacity for payment of financial commitments is considered adequate but adverse business or economic conditions are more likely to impair this capacity.
BB	Speculative. 'BB' ratings indicate an elevated vulnerability to credit risk, particularly in the event of adverse changes in business or economic conditions over time; however, business or financial alternatives may be available to allow financial commitments to be met.
B	Highly speculative. 'B' ratings indicate that material credit risk is present.
CCC	Substantial credit risk. 'CCC' ratings indicate that substantial credit risk is present.
CC	Very high levels of credit risk. 'CC' ratings indicate very high levels of credit risk.
C	Exceptionally high levels of credit risk. 'C' indicates exceptionally high levels of credit risk.

Defaulted obligations typically are not assigned 'RD' or 'D' ratings, but are instead rated in the 'B' to 'C' rating categories, depending upon their recovery prospects and other relevant characteristics. This approach better aligns obligations that have comparable overall expected loss but varying vulnerability to default and loss.

Notes: The modifiers "+" or "-" may be appended to a rating to denote relative status within major rating categories. Such suffixes are not added to the 'AAA' obligation rating category, or to corporate finance obligation ratings in the categories below 'CCC'.

The subscript 'emr' is appended to a rating to denote embedded market risk which is beyond the scope of the rating. The designation is intended to make clear that the rating solely addresses the counterparty risk of the issuing bank. It is not meant to indicate any limitation in the analysis of the counterparty risk, which in all other respects follows published Fitch criteria for analyzing the issuing financial institution. Fitch does not rate these instruments where the principal is to any degree subject to market risk.

Description of Fitch's Short-Term Ratings

A short-term issuer or obligation rating is based in all cases on the short-term vulnerability to default of the rated entity or security stream and relates to the capacity to meet financial obligations in accordance with the documentation governing the relevant obligation. Short-Term Ratings are assigned to obligations whose initial maturity is viewed as “short term” based on market convention. Typically, this means up to 13 months for corporate, sovereign, and structured obligations and up to 36 months for obligations in U.S. public finance markets.

Fitch short-term ratings are as follows:

F1	Highest short-term credit quality. Indicates the strongest intrinsic capacity for timely payment of financial commitments; may have an added “+” to denote any exceptionally strong credit feature.
F2	Good short-term credit quality. Good intrinsic capacity for timely payment of financial commitments.
F3	Fair short-term credit quality. The intrinsic capacity for timely payment of financial commitments is adequate.
B	Speculative short-term credit quality. Minimal capacity for timely payment of financial commitments, plus heightened vulnerability to near term adverse changes in financial and economic conditions.
C	High short-term default risk. Default is a real possibility.
RD	Restricted default. Indicates an entity that has defaulted on one or more of its financial commitments, although it continues to meet other financial obligations. Typically applicable to entity ratings only.
D	Default. Indicates a broad-based default event for an entity, or the default of a short-term obligation.

APPENDIX B

**BlackRock U.S. Registered Funds
iShares by BlackRock**

Open-End Fund Proxy Voting Policy
Procedures Governing Delegation of Proxy Voting to Fund Adviser
December 29, 2017

The Boards of Trustees/Directors (“Directors”) of open-end funds advised by BlackRock Fund Advisors or BlackRock Advisors, LLC (“BlackRock”) (the “Funds”), have the responsibility for the oversight of voting proxies relating to portfolio securities of the Funds, and have determined that it is in the best interests of the Funds and their shareholders to delegate the responsibility to vote proxies to BlackRock, subject to the principles outlined in this Policy, as part of BlackRock’s authority to manage, acquire and dispose of account assets, all as contemplated by the Funds’ respective investment management agreements.

BlackRock has adopted guidelines and procedures (together and as from time to time amended, the “BlackRock Proxy Voting Guidelines”) governing proxy voting by accounts managed by BlackRock.

BlackRock will cast votes on behalf of each of the Funds on specific proxy issues in respect of securities held by each such Fund (or may refrain from voting) in accordance with the BlackRock Proxy Voting Guidelines.

BlackRock will report on an annual basis to the Directors on (1) all proxy votes that BlackRock has made on behalf of the Funds in the preceding year together with a representation that all votes were in accordance with the BlackRock Proxy Voting Guidelines¹, and (2) any changes to the BlackRock Proxy Voting Guidelines that have not previously been reported.

¹ iShares MSCI Peru ETF and the Social Index Funds, as defined in Appendix A of the Proxy Voting Policy for Social Index Funds have separate Fund Proxy Voting Policies.

Global corporate governance & engagement principles
June 2014

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INTRODUCTION TO BLACKROCK

BlackRock is the world's preeminent asset management firm and a premier provider of global investment management, risk management and advisory services to institutional and individual clients around the world. BlackRock offers a wide range of investment strategies and product structures to meet clients' needs, including individual and institutional separate accounts, mutual funds, closed-end funds, and other pooled investment vehicles and the industry-leading iShares exchange traded funds. Through BlackRock Solutions[®], we offer risk management, strategic advisory and enterprise investment system services to a broad base of clients.

PHILOSOPHY ON CORPORATE GOVERNANCE

BlackRock's corporate governance program is focused on protecting and enhancing the economic value of the companies in which it invests on behalf of clients. We do this through engagement with boards and management of investee companies and, for those clients who have given us authority, through voting at shareholder meetings.

We believe that there are certain fundamental rights attached to share ownership. Companies and their boards should be accountable to shareholders and structured with appropriate checks and balances to ensure that they operate in shareholders' interests. Effective voting rights are central to the rights of ownership and there should be one vote for one share. Shareholders should have the right to elect, remove and nominate directors, approve the appointment of the auditor and to amend the corporate charter or by-laws. Shareholders should be able to vote on matters that are material to the protection of their investment including but not limited to changes to the purpose of the business, dilution levels and pre-emptive rights, the distribution of income and the capital structure. In order to exercise these rights effectively, we believe shareholders have the right to sufficient and timely information to be able to take an informed view of the proposals, and of the performance of the company and management.

Our focus is on the board of directors, as the agent of shareholders, which should set the company's strategic aims within a framework of prudent and effective controls which enables risk to be assessed and managed. The board should provide direction and leadership to the management and oversee management's performance. Our starting position is to be supportive of boards in their oversight efforts on our behalf and we would generally expect to support the items of business they put to a vote at shareholder meetings. Votes cast against or withheld from resolutions proposed by the board are a signal that we are concerned that the directors or management have either not acted in the interests of shareholders or have not responded adequately to shareholder concerns regarding strategy or performance.

These principles set out our approach to engaging with companies, provide guidance on our position on corporate governance and outline how our views might be reflected in our voting decisions. Corporate governance practices vary internationally and our expectations in relation to individual companies are based on the legal and regulatory framework of each market. However, as noted above, we do believe that there are some overarching principles of corporate governance that apply globally. We assess voting matters on a case-by-case basis and in light of each company's unique circumstances. We are interested to understand from the company's reporting its approach to corporate governance, particularly where it is different from the usual market practice, and how it benefits shareholders.

BlackRock also believes that shareholders have responsibilities in relation to monitoring and providing feedback to companies, sometimes known as stewardship. These ownership responsibilities include, in our view, engaging with management or board members on corporate governance matters, voting proxies in the best long-term economic interests of shareholders and engaging with regulatory bodies to ensure a sound policy framework consistent with promoting long-term shareholder value creation. Institutional shareholders also have responsibilities to their clients to have appropriate resources and oversight structures. Our own approach to oversight in relation to our corporate governance activities is set out in the section below titled "BlackRock's oversight of its corporate governance activities".

CORPORATE GOVERNANCE, ENGAGEMENT AND VOTING

We recognize that accepted standards of corporate governance differ between markets but we believe that there are sufficient common threads globally to identify an overarching set of principles. The primary objective of our corporate governance activities is the protection and enhancement of the value of our clients' investments in public corporations. Thus, these principles focus on practices and structures that we consider to be supportive of long-term value creation. We discuss below the principles under six

key themes. In our regional and market-specific voting guidelines we explain how these principles inform our voting decisions in relation to specific resolutions that may appear on the agenda of a shareholder meeting in the relevant market.

The six key themes are:

- Boards and directors
- Auditors and audit-related issues
- Capital structure, mergers, asset sales and other special transactions
- Remuneration and benefits
- Social, ethical and environmental issues
- General corporate governance matters

At a minimum we would expect companies to observe the accepted corporate governance standard in their domestic market or to explain why doing so is not in the interests of shareholders. Where company reporting and disclosure is inadequate or the approach taken is inconsistent with our view of what is in the best interests of shareholders, we will engage with the company and/or use our vote to encourage a change in practice. In making voting decisions, we take into account research from proxy advisors, other internal and external research, information published by the company or provided through engagement and the views of our equity portfolio managers.

BlackRock views engagement as an important activity; engagement provides BlackRock with the opportunity to improve our understanding of investee companies and their governance structures, so that our voting decisions may be better informed. Engagement also allows us to share our philosophy and approach to investment and corporate governance with companies to enhance their understanding of our objectives. There are a range of approaches we may take in engaging companies depending on the nature of the issue under consideration, the company and the market.

Boards and directors

The performance of the board is critical to the economic success of the company and to the protection of shareholders' interests. Board members serve as agents of shareholders in overseeing the strategic direction and operation of the company. For this reason, BlackRock focuses on directors in many of its engagements and sees the election of directors as one of its most important responsibilities in the proxy voting context.

We expect the board of directors to promote and protect shareholder interests by:

- establishing an appropriate corporate governance structure;
- supporting and overseeing management in setting strategy;
- ensuring the integrity of financial statements;
- making decisions regarding mergers, acquisitions and disposals;
- establishing appropriate executive compensation structures; and
- addressing business issues including social, ethical and environmental issues when they have the potential to materially impact company reputation and performance.

There should be clear definitions of the role of the board, the sub-committees of the board and the senior management such that the responsibilities of each are well understood and accepted. Companies should report publicly the approach taken to governance (including in relation to board structure) and why this approach is in the interest of shareholders. We will engage with the appropriate directors where we have concerns about the performance of the board or the company, the broad strategy of the company or the performance of individual board members. Concerns about directors may include their role on the board of a different company where that board has performed poorly and failed to protect shareholder interests.

BlackRock believes that directors should stand for re-election on a regular basis. We assess directors nominated for election or re-election in the context of the composition of the board as a whole. There should be detailed disclosure of the relevant credentials of the individual directors in order that shareholders can assess the caliber of an individual nominee. We expect there

to be a sufficient number of independent directors on the board to ensure the protection of the interests of all shareholders. Common impediments to independence may include but are not limited to:

- current employment at the company or a subsidiary;
- former employment within the past several years as an executive of the company;
- providing substantial professional services to the company and/or members of the company's management;
- having had a substantial business relationship in the past three years;
- having, or representing a shareholder with, a substantial shareholding in the company;
- being an immediate family member of any of the aforementioned; and
- interlocking directorships.

BlackRock believes that the operation of the board is enhanced when there is a clearly independent, senior non-executive director to lead it. Where the chairman is also the CEO or is otherwise not independent the company should have an independent lead director. The role of this director is to enhance the effectiveness of the independent members of the board through shaping the agenda, ensuring adequate information is provided to the board and encouraging independent participation in board deliberations. The lead independent board director should be available to shareholders if they have concerns that they wish to discuss.

To ensure that the board remains effective, regular reviews of board performance should be carried out and assessments made of gaps in skills or experience amongst the members. BlackRock believes it is beneficial for new directors to be brought onto the board periodically to refresh the group's thinking and to ensure both continuity and adequate succession planning. In identifying potential candidates, boards should take into consideration the diversity of experience and expertise of the current directors and how that might be augmented by incoming directors. We believe that directors are in the best position to assess the optimal size for the board, but we would be concerned if a board seemed too small to have an appropriate balance of directors or too large to be effective.

There are matters for which the board has responsibility that may involve a conflict of interest for executives or for affiliated directors. BlackRock believes that shareholders' interests are best served when the independent members of the board form a sub-committee to deal with such matters. In many markets, these sub-committees of the board specialize in audit, director nominations and compensation matters. An ad hoc committee might also be formed to decide on a special transaction, particularly one with a related party.

Auditors and audit-related issues

BlackRock recognizes the critical importance of financial statements which should provide a complete and accurate picture of a company's financial condition. We will hold the members of the audit committee or equivalent responsible for overseeing the management of the audit function. We take particular note of cases involving significant financial restatements or ad hoc notifications of material financial weakness.

The integrity of financial statements depends on the auditor being free of any impediments to being an effective check on management. To that end, we believe it is important that auditors are, and are seen to be, independent. Where the audit firm provides services to the company in addition to the audit, the fees earned should be disclosed and explained. Audit committees should also have in place a procedure for assuring annually the independence of the auditor.

Capital structure, mergers, asset sales and other special transactions

The capital structure of a company is critical to its owners, the shareholders, as it impacts the value of their investment and the priority of their interest in the company relative to that of other equity or debt investors. Pre-emption rights are a key protection for shareholders against the dilution of their interests.

In assessing mergers, asset sales or other special transactions, BlackRock's primary consideration is the long-term economic interests of shareholders. Boards proposing a transaction need to clearly explain the economic and strategic rationale behind it. We will review a proposed transaction to determine the degree to which it enhances long-term shareholder value. We would prefer that proposed transactions have the unanimous support of the board and have been negotiated at arm's length. We may seek

reassurance from the board that executive and/or board members' financial interests in a given transaction have not affected their ability to place shareholders' interests before their own. Where the transaction involves related parties, we would expect the recommendation to support it to come from the independent directors and would prefer only non-conflicted shareholders to vote on the proposal.

BlackRock believes that shareholders have a right to dispose of company shares in the open market without unnecessary restriction. In our view, corporate mechanisms designed to limit shareholders' ability to sell their shares are contrary to basic property rights. Such mechanisms can serve to protect and entrench interests other than those of the shareholders. We believe that shareholders are broadly capable of making decisions in their own best interests. We would expect any so-called 'shareholder rights plans' being proposed by a board to be subject to shareholder approval on introduction and periodically thereafter for continuation.

Remuneration and benefits

BlackRock expects a company's board of directors to put in place a compensation structure that incentivizes and rewards executives appropriately and is aligned with shareholder interests, particularly long-term shareholder returns. We would expect the compensation committee to take into account the specific circumstances of the company and the key individuals the board is trying to incentivize. We encourage companies to ensure that their compensation packages incorporate appropriate and challenging performance conditions consistent with corporate strategy and market practice. We use third party research, in addition to our own analysis, to evaluate existing and proposed compensation structures. We hold members of the compensation committee or equivalent accountable for poor compensation practices or structures.

BlackRock believes that there should be a clear link between variable pay and company performance as reflected in returns to shareholders. We are not supportive of one-off or special bonuses unrelated to company or individual performance. We support incentive plans that pay out rewards earned over multiple and extended time periods. We believe consideration should be given to building claw back provisions into incentive plans such that executives would be required to repay rewards where they were not justified by actual performance. Compensation committees should guard against contractual arrangements that would entitle executives to material compensation for early termination of their contract. Finally, pension contributions should be reasonable in light of market practice.

Outside directors should be compensated in a manner that does not risk compromising their independence or aligning their interests too closely with those of the management, whom they are charged with overseeing.

Social, ethical, and environmental issues

Our fiduciary duty to clients is to protect and enhance their economic interest in the companies in which we invest on their behalf. It is within this context that we undertake our corporate governance activities. We believe that well-managed companies will deal effectively with the social, ethical and environmental ("SEE") aspects of their businesses.

BlackRock expects companies to identify and report on the material, business-specific SEE risks and opportunities and to explain how these are managed. This explanation should make clear how the approach taken by the company best serves the interests of shareholders and protects and enhances the long-term economic value of the company. The key performance indicators in relation to SEE matters should also be disclosed and performance against them discussed, along with any peer group benchmarking and verification processes in place. This helps shareholders assess how well management is dealing with the SEE aspects of the business. Any global standards adopted should also be disclosed and discussed in this context.

We may vote against the election of directors where we have concerns that a company might not be dealing with SEE issues appropriately. Sometimes we may reflect such concerns by supporting a shareholder proposal on the issue, where there seems to be either a significant potential threat or realized harm to shareholders' interests caused by poor management of SEE matters. In deciding our course of action, we will assess whether the company has already taken sufficient steps to address the concern and whether there is a clear and material economic disadvantage to the company if the issue is not addressed.

More commonly, given that these are often not voting issues, we will engage directly with the board or management. The trigger for engagement on a particular SEE concern is our assessment that there is potential for material economic ramifications for shareholders.

We do not see it as our role to make social, ethical or political judgments on behalf of clients. We expect investee companies to comply, at a minimum, with the laws and regulations of the jurisdictions in which they operate. They should explain how they manage situations where such laws or regulations are contradictory or ambiguous.

General corporate governance matters

BlackRock believes that shareholders have a right to timely and detailed information on the financial performance and viability of the companies in which they invest. In addition, companies should also publish information on the governance structures in place and the rights of shareholders to influence these. The reporting and disclosure provided by companies helps shareholders assess whether the economic interests of shareholders have been protected and the quality of the board's oversight of management. BlackRock believes shareholders should have the right to vote on key corporate governance matters, including on changes to governance mechanisms, to submit proposals to the shareholders' meeting and to call special meetings of shareholders.

BLACKROCK'S OVERSIGHT OF ITS CORPORATE GOVERNANCE ACTIVITIES

Oversight

BlackRock holds itself to a very high standard in its corporate governance activities, including in relation to executing proxy votes. This function is executed by a team of dedicated BlackRock employees without sales responsibilities (the "Corporate Governance Group"), and which is considered an investment function. BlackRock maintains three regional oversight committees ("Corporate Governance Committees") for the Americas, Europe, the Middle East and Africa (EMEA) and Asia-Pacific, consisting of senior BlackRock investment professionals. All of the regional Corporate Governance Committees report to a Global Corporate Governance Oversight Committee, which is a risk-focused committee composed of senior representatives of the active and index equity investment businesses, the Deputy General Counsel, the Global Executive Committee member to whom the Corporate Governance Group reports and the head of the Corporate Governance Group. The Corporate Governance Committees review and approve amendments to their respective proxy voting guidelines ("Guidelines") and grant authority to the Global Head of Corporate Governance ("Global Head"), a dedicated BlackRock employee without sales responsibilities, to vote in accordance with the Guidelines. The Global Head leads the Corporate Governance Group to carry out engagement, voting and vote operations in a manner consistent with the relevant Corporate Governance Committee's mandate. The Corporate Governance Group engages companies in conjunction with the portfolio managers in discussions of significant governance issues, conducts research on corporate governance issues and participates in industry discussions to keep abreast of the field of corporate governance. The Corporate Governance Group, or vendors overseen by the Corporate Governance Group, also monitor upcoming proxy votes, execute proxy votes and maintain records of votes cast. The Corporate Governance Group may refer complicated or particularly controversial matters or discussions to the appropriate investors and/or regional Corporate Governance Committees for their review, discussion and guidance prior to making a voting decision.

BlackRock's Equity Policy Oversight Committee (EPOC) is informed of certain aspects of the work of the Global Corporate Governance Oversight Committee and the Corporate Governance Group.

Vote execution

BlackRock carefully considers proxies submitted to funds and other fiduciary accounts ("Funds") for which it has voting authority. BlackRock votes (or refrains from voting) proxies for each Fund for which it has voting authority based on BlackRock's evaluation of the best long-term economic interests of shareholders, in the exercise of its independent business judgment, and without regard to the relationship of the issuer of the proxy (or any dissident shareholder) to the Fund, the Fund's affiliates (if any), BlackRock or BlackRock's affiliates.

When exercising voting rights, BlackRock will normally vote on specific proxy issues in accordance with its Guidelines for the relevant market. The Guidelines are reviewed regularly and are amended consistent with changes in the local market practice, as developments in corporate governance occur, or as otherwise deemed advisable by BlackRock's Corporate Governance Committees. The Corporate Governance Committees may, in the exercise of their business judgment, conclude that the Guidelines do not cover the specific matter upon which a proxy vote is requested or that an exception to the Guidelines would be in the best long-term economic interests of BlackRock's clients.

In the uncommon circumstance of there being a vote with respect to fixed income securities or the securities of privately held issuers the decision generally will be made by a Fund's portfolio managers and/or the Corporate Governance Group based on their assessment of the particular transactions or other matters at issue.

In certain markets, proxy voting involves logistical issues which can affect BlackRock's ability to vote such proxies, as well as the desirability of voting such proxies. These issues include but are not limited to: (i) untimely notice of shareholder meetings; (ii) restrictions on a foreigner's ability to exercise votes; (iii) requirements to vote proxies in person; (iv) "share-blocking" (requirements that investors who exercise their voting rights surrender the right to dispose of their holdings for some specified period in proximity to the shareholder meeting); (v) potential difficulties in translating the proxy; and (vi) requirements to provide local agents with unrestricted powers of attorney to facilitate voting instructions. We are not supportive of impediments to the exercise of voting rights such as shareblocking or overly burdensome administrative requirements.

As a consequence, BlackRock votes proxies in these markets only on a "best-efforts" basis. In addition, the Corporate Governance Committees may determine that it is generally in the best interests of BlackRock clients not to vote proxies of companies in certain countries if the committee determines that the costs (including but not limited to opportunity costs associated with shareblocking constraints) associated with exercising a vote are expected to outweigh the benefit the client would derive by voting on the issuer's proposal.

While it is expected that BlackRock, as a fiduciary, will generally seek to vote proxies over which BlackRock exercises voting authority in a uniform manner for all BlackRock clients, the relevant Corporate Governance Committee, in conjunction with the portfolio manager of an account, may determine that the specific circumstances of such an account require that such account's proxies be voted differently due to such account's investment objective or other factors that differentiate it from other accounts. In addition, BlackRock believes portfolio managers may from time to time legitimately reach differing but equally valid views, as fiduciaries for their funds and the client assets in those Funds, on how best to maximize economic value in respect of a particular investment. Accordingly, portfolio managers retain full discretion to vote the shares in the Funds they manage based on their analysis of the economic impact of a particular ballot item.

Conflicts management

BlackRock maintains policies and procedures that are designed to prevent undue influence on BlackRock's proxy voting activity that might stem from any relationship between the issuer of a proxy (or any dissident shareholder) and BlackRock, BlackRock's affiliates, a Fund or a Fund's affiliates. Some of the steps BlackRock has taken to prevent conflicts include, but are not limited to:

- BlackRock has adopted a proxy voting oversight structure whereby the Corporate Governance Committees oversee the voting decisions and other activities of the Corporate Governance Group, and particularly its activities with respect to voting in the relevant region of each Corporate Governance Committee's jurisdiction.
- The Corporate Governance Committees have adopted Guidelines for each region, which set forth the firm's views with respect to certain corporate governance and other issues that typically arise in the proxy voting context. The Corporate Governance Committees receive periodic reports regarding the specific votes cast by the Corporate Governance Group and regular updates on material process issues, procedural changes and other matters of concern to the Corporate Governance Committees.
- BlackRock's Global Corporate Governance Oversight Committee oversees the Global Head, the Corporate Governance Group and the Corporate Governance Committees. The Global Corporate Governance Oversight Committee conducts a review, at least annually, of the proxy voting process to ensure compliance with BlackRock's risk policies and procedures.
- BlackRock maintains a reporting structure that separates the Global Head and Corporate Governance Group from employees with sales responsibilities. In addition, BlackRock maintains procedures intended to ensure that all engagements with corporate issuers or dissident shareholders are managed consistently and without regard to BlackRock's relationship with the issuer of the proxy or dissident shareholder. Within the normal course of business, the Global Head or Corporate Governance Group may engage directly with BlackRock clients, and with employees with sales responsibilities, in discussions regarding general corporate governance policy matters, and to otherwise ensure that proxy-related client service levels are met. The Global Head or Corporate Governance Group does not discuss any specific voting matter with a client prior to the disclosure of the vote decision to all applicable clients after the shareholder meeting has taken place, except if the client is acting in the capacity as issuer of the proxy or dissident shareholder and is engaging through the established procedures independent of the client relationship.

- In certain instances, BlackRock may determine to engage an independent fiduciary to vote proxies as a further safeguard to avoid potential conflicts of interest or as otherwise required by applicable law. The independent fiduciary may either vote such proxies or provide BlackRock with instructions as to how to vote such proxies. In the latter case, BlackRock votes the proxy in accordance with the independent fiduciary's determination. Use of an independent fiduciary has been adopted for voting the proxies related to any company that is affiliated with BlackRock or any company that includes BlackRock employees on its board of directors.

With regard to the relationship between securities lending and proxy voting, BlackRock's approach is driven by our clients' economic interests. The evaluation of the economic desirability of recalling loans involves balancing the revenue producing value of loans against the likely economic value of casting votes. Based on our evaluation of this relationship, we believe that generally the likely economic value of casting most votes is less than the securities lending income, either because the votes will not have significant economic consequences or because the outcome of the vote would not be affected by BlackRock recalling loaned securities in order to ensure they are voted. Periodically, BlackRock analyzes the process and benefits of voting proxies for securities on loan, and will consider whether any modification of its proxy voting policies or procedures is necessary in light of future conditions. In addition, BlackRock may in its discretion determine that the value of voting outweighs the cost of recalling shares, and thus recall shares to vote in that instance.

Voting guidelines

The issue-specific voting Guidelines published for each region/country in which we vote are intended to summarize BlackRock's general philosophy and approach to issues that may commonly arise in the proxy voting context in each market where we invest. These Guidelines are not intended to be exhaustive. BlackRock applies the Guidelines on a case-by-case basis, in the context of the individual circumstances of each company and the specific issue under review.

As such, these Guidelines do not provide a guide to how BlackRock will vote in every instance. Rather, they share our view about corporate governance issues generally, and provide insight into how we typically approach issues that commonly arise on corporate ballots.

Reporting

We report our proxy voting activity directly to clients and publically as required. In addition, we publish for clients a more detailed discussion of our corporate governance activities, including engagement with companies and with other relevant parties.

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