

# iShares<sup>®</sup> Trust

## Statement of Additional Information

Dated July 31, 2020

(as revised December 17, 2020)

This combined Statement of Additional Information (“SAI”) is not a prospectus. It should be read in conjunction with the current prospectuses (each, a “Prospectus” and collectively, the “Prospectuses”) for the following series of iShares Trust (the “Trust”):

<u>Fund</u>	<u>Ticker</u>	<u>Listing Exchange</u>
iShares Core S&P 500 ETF	IVV	NYSE Arca
iShares Core S&P Mid-Cap ETF	IJH	NYSE Arca
iShares Core S&P Small-Cap ETF	IJR	NYSE Arca
iShares Core S&P Total U.S. Stock Market ETF	ITOT	NYSE Arca
iShares Core S&P U.S. Growth ETF	IUSG	NASDAQ
iShares Core S&P U.S. Value ETF	IUSV	NASDAQ
iShares Europe ETF	IEV	NYSE Arca
iShares Expanded Tech Sector ETF	IGM	NYSE Arca
iShares Expanded Tech-Software Sector ETF	IGV	Cboe BZX
iShares Factors US Blend Style ETF	STLC	Cboe BZX
iShares Factors US Growth Style ETF	STLG	Cboe BZX
iShares Factors US Mid Blend Style ETF	STMB	Cboe BZX
iShares Factors US Small Blend Style ETF	STSB	Cboe BZX
iShares Factors US Value Style ETF	STLV	Cboe BZX
iShares Focused Value Factor ETF	FOVL	NYSE Arca
iShares Global Consumer Staples ETF	KXI	NYSE Arca
iShares Global Energy ETF	IXC	NYSE Arca
iShares Global Financials ETF	IXG	NYSE Arca
iShares Global Industrials ETF	EXI	NYSE Arca
iShares Global Infrastructure ETF	IGF	NASDAQ
iShares Global Utilities ETF	JXI	NYSE Arca
iShares International Developed Property ETF	WPS	NYSE Arca
iShares International Preferred Stock ETF	IPFF	Cboe BZX
iShares JPX-Nikkei 400 ETF	JPXN	NYSE Arca
iShares Micro-Cap ETF	IWC	NYSE Arca
iShares Mortgage Real Estate ETF	REM	Cboe BZX
iShares Nasdaq Biotechnology ETF	IBB	NASDAQ
iShares North American Natural Resources ETF	IGE	Cboe BZX
iShares North American Tech-Multimedia Networking ETF	IGN	NYSE Arca
iShares PHLX Semiconductor ETF	SOXX	NASDAQ
iShares Preferred and Income Securities ETF	PFF	NASDAQ
iShares Residential and Multisector Real Estate ETF	REZ	NYSE Arca
iShares Russell 1000 ETF	IWB	NYSE Arca
iShares Russell 1000 Growth ETF	IWF	NYSE Arca
iShares Russell 1000 Pure U.S. Revenue ETF	AMCA	NASDAQ
iShares Russell 1000 Value ETF	IWD	NYSE Arca
iShares Russell 2000 ETF	IWM	NYSE Arca
iShares Russell 2000 Growth ETF	IWO	NYSE Arca
iShares Russell 2000 Value ETF	IWN	NYSE Arca
iShares Russell 3000 ETF	IWV	NYSE Arca
iShares Russell Mid-Cap ETF	IWR	NYSE Arca
iShares Russell Mid-Cap Growth ETF	IWP	NYSE Arca

<u>Fund</u>	<u>Ticker</u>	<u>Listing Exchange</u>
iShares Russell Mid-Cap Value ETF	IWS	NYSE Arca
iShares Russell Top 200 ETF	IWL	NYSE Arca
iShares Russell Top 200 Growth ETF	IWY	NYSE Arca
iShares Russell Top 200 Value ETF	IWX	NYSE Arca
iShares S&P 100 ETF	OEF	NYSE Arca
iShares S&P 500 Growth ETF	IVW	NYSE Arca
iShares S&P 500 Value ETF	IVE	NYSE Arca
iShares S&P Mid-Cap 400 Growth ETF	IJK	NYSE Arca
iShares S&P Mid-Cap 400 Value ETF	IJJ	NYSE Arca
iShares S&P Small-Cap 600 Growth ETF	IJT	NASDAQ
iShares S&P Small-Cap 600 Value ETF	IJS	NYSE Arca
iShares U.S. Aerospace & Defense ETF	ITA	Cboe BZX
iShares U.S. Broker-Dealers & Securities Exchanges ETF	IAI	NYSE Arca
iShares U.S. Healthcare Providers ETF	IHF	NYSE Arca
iShares U.S. Home Construction ETF	ITB	Cboe BZX
iShares U.S. Infrastructure ETF	IFRA	Cboe BZX
iShares U.S. Insurance ETF	IAK	NYSE Arca
iShares U.S. Medical Devices ETF	IHI	NYSE Arca
iShares U.S. Oil & Gas Exploration & Production ETF	IEO	Cboe BZX
iShares U.S. Oil Equipment & Services ETF	IEZ	NYSE Arca
iShares U.S. Pharmaceuticals ETF	IHE	NYSE Arca
iShares U.S. Real Estate ETF	IYR	NYSE Arca
iShares U.S. Regional Banks ETF	IAT	NYSE Arca
iShares U.S. Telecommunications ETF	IYZ	Cboe BZX

The Prospectuses for the above-listed funds (each, a “Fund” and collectively, the “Funds”) are dated July 31, 2020, as amended and supplemented from time to time. Capitalized terms used herein that are not defined have the same meaning as in the applicable Prospectus, unless otherwise noted. The Financial Statements and Notes contained in the applicable Annual Report and Semi-Annual Report of the Trust for the Funds are incorporated by reference into and are deemed to be part of this SAI. A copy of each Fund’s Prospectus, Annual Report and Semi-Annual Report may be obtained without charge by writing to the Trust’s distributor, BlackRock Investments, LLC (the “Distributor” or “BRIL”), 1 University Square Drive, Princeton, NJ 08540, calling 1-800-iShares (1-800-474-2737) or visiting [www.iShares.com](http://www.iShares.com). Each Fund’s Prospectus is incorporated by reference into this SAI.

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

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# iShares®

iShares, Inc.

iShares Trust

**Supplement dated December 18, 2020 (the “Supplement”)  
to the Prospectus (the “Prospectus”) and  
Statements of Additional Information (“SAI”)  
for each of the Funds listed below (each, a “Fund”)**

*The information in this Supplement updates information in, and should be read in conjunction with, each Fund’s Prospectus and SAI.*

The Fund expects to implement certain changes to the process of determining the Fund’s Net Asset Value no sooner than March 1, 2021, but no later than May 3, 2021. For certain foreign securities, a third-party vendor will supply 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 the Fund’s pricing time.

## **iShares Funds**

**Supplement to the Prospectus and the Statement of Additional Information both dated as of December 30, 2019 (as revised August 17, 2020):**

iShares Currency Hedged MSCI Emerging Markets ETF

**Supplement to the Prospectus dated as of December 30, 2019 (as revised August 17, 2020) and to the Statement of Additional Information dated as of December 30, 2019 (as revised October 28, 2020):**

iShares MSCI Australia ETF  
iShares MSCI Austria ETF  
iShares MSCI Belgium ETF  
iShares MSCI Canada ETF  
iShares MSCI Eurozone ETF  
iShares MSCI France ETF  
iShares MSCI Germany ETF  
iShares MSCI Israel ETF  
iShares MSCI Italy ETF  
iShares MSCI Japan ETF  
iShares MSCI Japan Small-Cap ETF  
iShares MSCI Mexico ETF  
iShares MSCI Netherlands ETF  
iShares MSCI Pacific ex Japan ETF  
iShares MSCI Russia ETF  
iShares MSCI Singapore ETF  
iShares MSCI South Africa ETF  
iShares MSCI Spain ETF  
iShares MSCI Sweden ETF  
iShares MSCI Switzerland ETF  
iShares MSCI Thailand ETF  
iShares MSCI Turkey ETF  
iShares MSCI World ETF

**Supplement to the Prospectus dated as of December 30, 2019 (as revised September 1, 2020) and to the Statement of Additional Information dated as of December 30, 2019 (as revised October 28, 2020):**

iShares MSCI Hong Kong ETF

**Supplement to the Prospectus dated as of December 30, 2019 (as revised August 17, 2020) and to the Statement of Additional Information dated as of December 30, 2019 (as revised November 13, 2020):**

iShares Currency Hedged MSCI Canada ETF  
iShares Currency Hedged MSCI Eurozone ETF  
iShares Currency Hedged MSCI Germany ETF  
iShares Currency Hedged MSCI Japan ETF  
iShares Currency Hedged MSCI Mexico ETF  
iShares Currency Hedged MSCI United Kingdom ETF  
iShares MSCI Argentina and Global Exposure ETF  
iShares MSCI Brazil Small-Cap ETF  
iShares MSCI China ETF  
iShares MSCI China Small-Cap ETF  
iShares MSCI Emerging Markets ex China ETF  
iShares MSCI Global Impact ETF  
iShares MSCI India ETF  
iShares MSCI India Small-Cap ETF  
iShares MSCI Peru ETF  
iShares MSCI Qatar ETF  
iShares MSCI Saudi Arabia ETF  
iShares MSCI UAE ETF

**Supplement to the Prospectus dated as of December 30, 2019 (as revised August 17, 2020) and to the Statement of Additional Information dated as of December 30, 2019 (as revised December 1, 2020):**

iShares ESG Aware MSCI EAFE ETF  
iShares MSCI Denmark ETF  
iShares MSCI Finland ETF  
iShares MSCI Germany Small-Cap ETF  
iShares MSCI Indonesia ETF  
iShares MSCI Ireland ETF  
iShares MSCI Japan Equal Weighted ETF  
iShares MSCI Japan Value ETF  
iShares MSCI New Zealand ETF  
iShares MSCI Norway ETF  
iShares MSCI Poland ETF  
iShares MSCI United Kingdom ETF  
iShares MSCI United Kingdom Small-Cap ETF

**Supplement to the Prospectus and the Statement of Additional Information both dated as of December 30, 2019 (as revised December 1, 2020):**

iShares MSCI Philippines ETF

**Supplement to the Prospectus dated as of December 30, 2019 (as revised November 23, 2020) and to the Statement of Additional Information dated as of December 30, 2019 (as revised December 17, 2020):**

iShares MSCI Global Min Vol Factor ETF

**Supplement to the Prospectus dated as of December 30, 2019 (as revised August 17, 2020) and to the Statement of Additional Information dated as of December 30, 2019 (as revised December 17, 2020):**

iShares ESG Aware MSCI EM ETF  
iShares MSCI Brazil ETF  
iShares MSCI BRIC ETF  
iShares MSCI Chile ETF  
iShares MSCI Colombia ETF  
iShares MSCI Emerging Markets Asia ETF  
iShares MSCI Emerging Markets ETF  
iShares MSCI Emerging Markets Min Vol Factor ETF  
iShares MSCI Emerging Markets Multifactor ETF  
iShares MSCI Emerging Markets Small-Cap ETF  
iShares MSCI Frontier 100 ETF  
iShares MSCI Global Agriculture Producers ETF  
iShares MSCI Global Energy Producers ETF  
iShares MSCI Global Gold Miners ETF  
iShares MSCI Global Metals & Mining Producers ETF  
iShares MSCI Global Silver and Metals Miners ETF  
iShares MSCI Malaysia ETF  
iShares MSCI South Korea ETF  
iShares MSCI Taiwan ETF

**Supplement to the Prospectus and the Statement of Additional Information both dated as of December 30, 2019 (as revised December 17, 2020):**

iShares Core MSCI Emerging Markets ETF

**Supplement to the Prospectus and the Statement of Additional Information both dated as of January 17, 2020 (as revised December 1, 2020):**

iShares ESG MSCI EM Leaders ETF

**Supplement to the Prospectus dated as of March 2, 2020 (as revised September 2, 2020) and to the Statement of Additional Information dated as of March 2, 2020 (as revised November 13, 2020):**

iShares MSCI Kuwait ETF

**Supplement to the Prospectus dated as of June 15, 2020 (as revised August 17, 2020) and to the Statement of Additional Information dated as of June 15, 2020 (as revised December 1, 2020):**

iShares ESG Advanced MSCI EAFE ETF  
iShares ESG Advanced MSCI EM ETF

**Supplement to the Prospectus and the Statement of Additional Information both dated as of July 31, 2020 (as revised August 17, 2020):**

iShares Currency Hedged JPX-Nikkei 400 ETF

**Supplement to the Prospectus dated as of July 31, 2020 (as revised August 17, 2020) and to the Statement of Additional Information dated as of July 31, 2020 (as revised December 17, 2020):**

iShares Asia 50 ETF  
iShares Europe ETF  
iShares Global 100 ETF  
iShares Global Clean Energy ETF  
iShares Global Comm Services ETF  
iShares Global Consumer Discretionary ETF

iShares Global Consumer Staples ETF  
iShares Global Energy ETF  
iShares Global Financials ETF  
iShares Global Healthcare ETF  
iShares Global Industrials ETF  
iShares Global Infrastructure ETF  
iShares Global Materials ETF  
iShares Global Tech ETF  
iShares Global Timber & Forestry ETF  
iShares Global Utilities ETF  
iShares India 50 ETF  
iShares International Developed Property ETF  
iShares International Preferred Stock ETF  
iShares JPX-Nikkei 400 ETF  
iShares Latin America 40 ETF

**Supplement to the Prospectus dated as of July 31, 2020 (as revised October 30, 2020) and to the Statement of Additional Information dated as of July 31, 2020 (as revised December 17, 2020):**

iShares Emerging Markets Infrastructure ETF

**Supplement to the Prospectus and the Statement of Additional Information both dated as of July 31, 2020 (as revised December 17, 2020):**

iShares International Dividend Growth ETF

**Supplement to the Prospectus and the Statement of Additional Information both dated as of September 1, 2020 (as revised September 30, 2020):**

iShares Asia/Pacific Dividend ETF

**Supplement to the Prospectus dated as of September 1, 2020 (as revised November 23, 2020) and to the Statement of Additional Information dated as of September 1, 2020 (as revised November 13, 2020):**

iShares Emerging Markets Dividend ETF

**Supplement to the Prospectus dated as of September 1, 2020 and to the Statement of Additional Information dated as of September 1, 2020 (as revised December 17, 2020):**

iShares Global REIT ETF  
iShares International Developed Real Estate ETF

**Supplement to the Prospectus dated as of September 1, 2020 (as revised December 7, 2020) and to the Statement of Additional Information dated as of September 1, 2020 (as revised December 17, 2020):**

iShares International Select Dividend ETF

**Supplement to the Prospectus dated September 22, 2020 and to the Statement of Additional Information dated as of September 22, 2020 (as revised November 13, 2020):**

iShares Virtual Work and Life Multisector ETF

**Supplement to the Prospectus and the Statement of Additional Information both dated as of December 1, 2020:**

iShares Adaptive Currency Hedged MSCI EAFE ETF  
iShares Core MSCI Europe ETF  
iShares Core MSCI Pacific ETF

iShares Currency Hedged MSCI ACWI ex U.S. ETF  
iShares Currency Hedged MSCI EAFE ETF  
iShares Currency Hedged MSCI EAFE Small-Cap ETF  
iShares MSCI Kokusai ETF

**Supplement to the Prospectus dated as of December 1, 2020 and to the Statement of Additional Information dated as of December 1, 2020 (as revised December 17, 2020):**

iShares China Large-Cap ETF  
iShares MSCI EAFE ETF  
iShares MSCI EAFE Growth ETF  
iShares MSCI EAFE Min Vol Factor ETF  
iShares MSCI EAFE Small-Cap ETF  
iShares MSCI EAFE Value ETF  
iShares MSCI Europe Financials ETF  
iShares MSCI Europe Small-Cap ETF  
iShares MSCI Intl Momentum Factor ETF  
iShares MSCI Intl Multifactor ETF  
iShares MSCI Intl Quality Factor ETF  
iShares MSCI Intl Size Factor ETF  
iShares MSCI Intl Small-Cap Multifactor ETF  
iShares MSCI Intl Value Factor ETF

**Supplement to the Prospectus dated as of December 1, 2020 and to the Statement of Additional Information dated as of December 1, 2020 (as revised December 17, 2020):**

iShares Core MSCI EAFE ETF  
iShares Core MSCI International Developed Markets ETF  
iShares Core MSCI Total International Stock ETF  
iShares Cybersecurity and Tech ETF  
iShares Exponential Technologies ETF  
iShares Genomics Immunology and Healthcare ETF  
iShares MSCI ACWI ETF  
iShares MSCI ACWI ex U.S. ETF  
iShares MSCI ACWI Low Carbon Target ETF  
iShares MSCI All Country Asia ex Japan ETF  
iShares MSCI China A ETF  
iShares MSCI Global Multifactor ETF  
iShares Robotics and Artificial Intelligence Multisector ETF  
iShares Self-Driving EV and Tech ETF

If you have any questions, please call 1-800-iShares (1-800-474-2737).

# iShares®

## Notice to Shareholders

The following changes will take effect for the iShares U.S. Real Estate ETF (the “Fund”) on or around January 25, 2021 (the “New Index Effective Date”):

Current Underlying Index	New Underlying Index
Dow Jones U.S. Real Estate Index	Dow Jones U.S. Real Estate Capped Index

### *Change in the Fund’s “Construction and Maintenance of the Underlying Indexes”*

On the New Index Effective Date, the section of the SAI entitled “Dow Jones U.S. Real Estate Index” on page 37 shall be deleted in its entirety and replaced with the following:

#### **Dow Jones U.S. Real Estate Capped Index**

#### **Number of Components: approximately 113**

**Index Description.** The Dow Jones U.S. Real Estate Capped Index is a subset of the Dow Jones U.S. Index. The Underlying Index includes only companies in the real estate sector of the Dow Jones U.S. Index.

The Underlying Index uses a capping methodology to limit the weight of the securities of any single issuer to a maximum of 10% of the Underlying Index. Additionally, the capping methodology limits the sum of the weights of the securities of all issuers that individually constitute more than 5% of the weight of the Underlying Index to a maximum of 25% of the weight of the Underlying Index in the aggregate. In order to implement this capping methodology, the Underlying Index constrains at quarterly rebalance: (i) the weight of any single issuer to a maximum of 10%, and (ii) the aggregate weight of all issuers that individually exceed 4.50% of the index weight to a maximum of 22.50%. Between scheduled quarterly index reviews, the Underlying Index is rebalanced at the end of any day on which all issuers that individually constitute more than 5% of the weight of the Underlying Index constitute more than 25% of the weight of the Underlying Index in the aggregate. In implementing this capping methodology, SPDJI may consider two or more companies as belonging to the same issuer where there is reasonable evidence of common control.

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# General Description of the Trust and its Funds

The Trust currently consists of more than 300 investment series or portfolios. The Trust was organized as a Delaware statutory trust on December 16, 1999 and is authorized to have multiple series or portfolios. The Trust is an open-end management investment company registered with the SEC under the 1940 Act. The offering of the Trust's shares is registered under the Securities Act of 1933, as amended (the "1933 Act"). This SAI relates to the following Funds:

- iShares Core S&P 500 ETF
- iShares Core S&P Mid-Cap ETF
- iShares Core S&P Small-Cap ETF
- iShares Core S&P Total U.S. Stock Market ETF
- iShares Core S&P U.S. Growth ETF
- iShares Core S&P U.S. Value ETF
- iShares Europe ETF
- iShares Expanded Tech Sector ETF
- iShares Expanded Tech-Software Sector ETF
- iShares Factors US Blend Style ETF
- iShares Factors US Growth Style ETF
- iShares Factors US Mid Blend Style ETF
- iShares Factors US Small Blend Style ETF
- iShares Factors US Value Style ETF
- iShares Focused Value Factor ETF
- iShares Global Consumer Staples ETF
- iShares Global Energy ETF
- iShares Global Financials ETF
- iShares Global Industrials ETF
- iShares Global Infrastructure ETF
- iShares Global Utilities ETF
- iShares International Developed Property ETF
- iShares International Preferred Stock ETF
- iShares JPX-Nikkei 400 ETF
- iShares Micro-Cap ETF
- iShares Mortgage Real Estate ETF
- iShares Nasdaq Biotechnology ETF
- iShares North American Natural Resources ETF
- iShares North American Tech-Multimedia Networking ETF
- iShares PHLX Semiconductor ETF
- iShares Preferred and Income Securities ETF<sup>1</sup>
- iShares Residential and Multisector Real Estate ETF<sup>2</sup>
- iShares Russell 1000 ETF
- iShares Russell 1000 Growth ETF
- iShares Russell 1000 Pure U.S. Revenue ETF



- iShares Russell 1000 Value ETF
- iShares Russell 2000 ETF
- iShares Russell 2000 Growth ETF
- iShares Russell 2000 Value ETF
- iShares Russell 3000 ETF
- iShares Russell Mid-Cap ETF
- iShares Russell Mid-Cap Growth ETF
- iShares Russell Mid-Cap Value ETF
- iShares Russell Top 200 ETF
- iShares Russell Top 200 Growth ETF
- iShares Russell Top 200 Value ETF
- iShares S&P 100 ETF
- iShares S&P 500 Growth ETF
- iShares S&P 500 Value ETF
- iShares S&P Mid-Cap 400 Growth ETF
- iShares S&P Mid-Cap 400 Value ETF
- iShares S&P Small-Cap 600 Growth ETF
- iShares S&P Small-Cap 600 Value ETF
- iShares U.S. Aerospace & Defense ETF
- iShares U.S. Broker-Dealers & Securities Exchanges ETF
- iShares U.S. Healthcare Providers ETF
- iShares U.S. Home Construction ETF
- iShares U.S. Infrastructure ETF
- iShares U.S. Insurance ETF
- iShares U.S. Medical Devices ETF
- iShares U.S. Oil & Gas Exploration & Production ETF
- iShares U.S. Oil Equipment & Services ETF
- iShares U.S. Pharmaceuticals ETF
- iShares U.S. Real Estate ETF
- iShares U.S. Regional Banks ETF
- iShares U.S. Telecommunications ETF

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<sup>1</sup> On November 1, 2019, the Fund's underlying index changed from the ICE Exchange-Listed Preferred & Hybrid Securities Transition Index to the ICE Exchange-Listed Preferred & Hybrid Securities Index.

<sup>2</sup> On September 18, 2020, the name of the Fund changed from the iShares Residential Real Estate ETF to the iShares Residential and Multisector Real Estate ETF.

Each Fund is managed by BlackRock Fund Advisors ("BFA"), an indirect wholly-owned subsidiary of BlackRock, Inc., and generally seeks to track the investment results of the specific benchmark index identified in the applicable Prospectus for that Fund (each, an "Underlying Index"). BlackRock International Limited, an affiliate of BFA, serves as the sub-adviser (the "Sub-Adviser") to the iShares International Preferred Stock ETF.

Each Fund offers and issues shares at their net asset value per share ("NAV") only in aggregations of a specified number of shares (each, a "Creation Unit"), generally in exchange for a designated portfolio of securities, assets or other positions (including any portion of such securities for which cash may be substituted) included in its Underlying Index (the "Deposit Securities" or "Creation Basket"), together with the deposit of a specified cash payment (the "Cash Component"). Shares of

the Funds are listed for trading on national securities exchanges such as Cboe BZX Exchange, Inc. (“Cboe BZX”), The Nasdaq Stock Market LLC (“NASDAQ”) or NYSE Arca, Inc. (“NYSE Arca”) (each a “Listing Exchange”). Shares of each Fund are traded in the secondary market and elsewhere at market prices that may be at, above or below the Fund’s NAV. Shares are redeemable only in Creation Units by Authorized Participants (as defined in the *Portfolio Holdings Information* section of this SAI), and, generally, in exchange for portfolio securities and a Cash Amount (as defined in the *Redemption of Creation Units* section of this SAI). Creation Units typically are a specified number of shares, generally ranging from 50,000 to 150,000 shares or multiples thereof.

The Trust reserves the right to permit or require that creations and redemptions of shares are effected fully or partially in cash and reserves the right to permit or require the substitution of Deposit Securities in lieu of cash. Shares may be issued in advance of receipt of Deposit Securities, subject to various conditions, including a requirement that the Authorized Participant maintain with the Trust collateral as set forth in the handbook for Authorized Participants. The Trust may use such collateral at any time to purchase Deposit Securities. See the *Creation and Redemption of Creation Units* section of this SAI. Transaction fees and other costs associated with creations or redemptions that include a cash portion may be higher than the transaction fees and other costs associated with in-kind creations or redemptions. In all cases, conditions with respect to creations and redemptions of shares and fees will be limited in accordance with the requirements of SEC rules and regulations applicable to management investment companies offering redeemable securities.

## Exchange Listing and Trading

A discussion of exchange listing and trading matters associated with an investment in each Fund is contained in the *Shareholder Information* section of each Fund’s Prospectus. The discussion below supplements, and should be read in conjunction with, that section of the applicable Prospectus.

Shares of each Fund are listed for trading, and trade throughout the day, on the applicable Listing Exchange and in other secondary markets. Shares of certain Funds may also be listed on certain non-U.S. exchanges. There can be no assurance that the requirements of the Listing Exchange necessary to maintain the listing of shares of any Fund will continue to be met. The Listing Exchange may, but is not required to, remove the shares of a Fund from listing if, among other things: (i) following the initial 12-month period beginning upon the commencement of trading of Fund shares, there are fewer than 50 record and/or beneficial owners of shares of a Fund; (ii) a Fund is no longer eligible to operate in reliance on Rule 6c-11 under the Investment Company Act; (iii) if any of the other listing requirements are not continuously maintained; or (iv) any event shall occur or condition shall exist that, in the opinion of the Listing Exchange, makes further dealings on the Listing Exchange inadvisable. The Listing Exchange will also remove shares of a Fund from listing and trading upon termination of the Fund.

As in the case of other publicly-traded securities, when you buy or sell shares of a Fund through a broker, you may incur a brokerage commission determined by that broker, as well as other charges.

The Trust reserves the right to adjust the share prices of the Funds in the future to maintain convenient trading ranges for investors. Any adjustments would be accomplished through stock splits or reverse stock splits, which would have no effect on the net assets of the Funds or an investor’s equity interest in the Funds.

## Investment Strategies and Risks

Each Fund seeks to achieve its objective by investing primarily in securities issued by issuers that comprise its relevant Underlying Index and in investments that provide substantially similar exposure to securities in the Underlying Index. Each Fund operates as an index fund and is not actively managed. Adverse performance of a security in a Fund’s portfolio will ordinarily not result in the elimination of the security from the Fund’s portfolio.

Each Fund engages in representative sampling, which is investing in a sample of securities selected by BFA to have a collective investment profile similar to that of the Fund’s Underlying Index. Securities selected have aggregate investment characteristics (based on market capitalization and industry weightings), fundamental characteristics (such as return variability, earnings valuation and yield) and liquidity measures similar to those of the Fund’s Underlying Index. A fund that uses representative sampling generally does not hold all of the securities that are in its underlying index.

Although the Funds do not seek leveraged returns, certain instruments used by the Funds may have a leveraging effect as described below.

**Borrowing.** Each Fund may borrow for temporary or emergency purposes, including to meet payments due from redemptions or to facilitate the settlement of securities or other transactions. The iShares Global Consumer Staples ETF, iShares Global Energy ETF, iShares Global Financials ETF, iShares Global Industrials ETF, iShares Global Infrastructure ETF, iShares Global Utilities ETF, and iShares PHLX Semiconductor ETF, along with certain other iShares funds, have entered into a line of credit with State Street Bank and Trust Company (“State Street”) that may be used for temporary or emergency purposes, including redemption, settlement of trades and rebalancing of portfolio holdings.

The purchase of securities while borrowings are outstanding may have the effect of leveraging a Fund. The incurrence of leverage increases a Fund’s exposure to risk, and borrowed funds are subject to interest costs that will reduce net income. Purchasing securities while borrowings are outstanding creates special risks, such as the potential for greater volatility in the NAV of Fund shares and in the yield on a Fund’s portfolio. In addition, the interest expenses from borrowings may exceed the income generated by a Fund’s portfolio and, therefore, the amount available (if any) for distribution to shareholders as dividends may be reduced. BFA may determine to maintain outstanding borrowings if it expects that the benefits to a Fund’s shareholders will outweigh the current reduced return.

Interest rates related to the line of credit may be based on the London Interbank Offered Rate (“LIBOR”) plus a spread. In 2017, the head of the United Kingdom’s Financial Conduct Authority announced a desire to phase out the use of LIBOR by the end of 2021. Pursuant to the terms of the credit agreement, if State Street is unable to ascertain the applicable LIBOR rate, the interest rate on a borrowing will be determined without reference to LIBOR.

Certain types of borrowings by a Fund must be made from a bank or may result in a 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 BFA’s management of a Fund’s portfolio in accordance with a 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 a Fund to dispose of portfolio investments at a time when it may be disadvantageous to do so.

**Currency Transactions.** A currency forward contract is an over-the-counter (“OTC”) obligation to purchase or sell a specific currency at a future date, which may be any fixed number of days greater than two days from the date on which the contract is agreed upon by the parties, at a price set at the time of the contract. A non-deliverable currency forward is an OTC currency forward settled in a specified currency, on a specified date, based on the difference between the agreed-upon exchange rate and the market exchange rate. A currency futures contract is a contract that trades on an organized futures exchange involving an obligation to deliver or acquire a specified amount of a specific currency, at a specified price and at a specified future time. Currency futures contracts may be settled on a net cash payment basis rather than by the sale and delivery of the underlying currency. To the extent required by law, liquid assets committed to futures contracts will be maintained. Certain of the Funds do not expect to engage in currency transactions for the purpose of hedging against declines in the value of the Funds’ assets that are denominated in a non-U.S. currency. A Fund may enter into non-U.S. currency forwards, non-deliverable currency forwards and non-U.S. currency futures transactions to facilitate local securities settlements or to protect against currency exposure in connection with its distributions to shareholders, but may not enter into such contracts for speculative purposes.

Foreign exchange transactions involve a significant degree of risk and the markets in which foreign exchange transactions are effected may be highly volatile, highly specialized and highly technical. Significant changes, including changes in liquidity and prices, can occur in such markets within very short periods of time, often within minutes. Foreign exchange trading risks include, but are not limited to, exchange rate risk, counterparty risk, maturity gap, interest rate risk, and potential interference by foreign governments through regulation of local exchange markets, foreign investment or particular transactions in non-U.S. currency. If BFA utilizes foreign exchange transactions at an inappropriate time or judges market conditions, trends or correlations incorrectly, foreign exchange transactions may not serve their intended purpose of improving the correlation of a Fund’s return with the performance of its Underlying Index and may lower the Fund’s return. A Fund could experience losses if the value of its currency forwards, options or futures positions were poorly correlated with its other investments or if it could not close out its positions because of an illiquid market or otherwise. In addition, a Fund could incur transaction costs, including trading commissions, in connection with certain non-U.S. currency transactions.

**Diversification Status.** The following table sets forth the diversification status of each Fund:

#### Diversified Funds

iShares Core S&P 500 ETF  
iShares Core S&P Mid-Cap ETF  
iShares Core S&P Small-Cap ETF  
iShares Core S&P Total U.S. Stock Market ETF  
iShares Core S&P U.S. Growth ETF\*  
iShares Core S&P U.S. Value ETF  
iShares Europe ETF  
iShares Global Consumer Staples ETF  
iShares Global Financials ETF  
iShares Global Industrials ETF  
iShares Global Infrastructure ETF  
iShares Global Utilities ETF  
iShares International Developed Property ETF  
iShares JPX-Nikkei 400 ETF  
iShares Micro-Cap ETF  
iShares North American Natural Resources ETF  
iShares Preferred and Income Securities ETF  
iShares Russell 1000 ETF  
iShares Russell 1000 Growth ETF\*  
iShares Russell 1000 Pure U.S. Revenue ETF  
iShares Russell 1000 Value ETF  
iShares Russell 2000 ETF  
iShares Russell 2000 Growth ETF  
iShares Russell 2000 Value ETF  
iShares Russell 3000 ETF  
iShares Russell Mid-Cap ETF  
iShares Russell Mid-Cap Growth ETF  
iShares Russell Mid-Cap Value ETF  
iShares Russell Top 200 ETF  
iShares Russell Top 200 Growth ETF\*  
iShares Russell Top 200 Value ETF  
iShares S&P 100 ETF\*  
iShares S&P 500 Growth ETF\*  
iShares S&P 500 Value ETF  
iShares S&P Mid-Cap 400 Growth ETF  
iShares S&P Mid-Cap 400 Value ETF  
iShares S&P Small-Cap 600 Growth ETF  
iShares S&P Small-Cap 600 Value ETF

#### Non-Diversified Funds

iShares Expanded Tech Sector ETF  
iShares Expanded Tech-Software Sector ETF  
iShares Factors US Blend Style ETF  
iShares Factors US Growth Style ETF  
iShares Factors US Mid Blend Style ETF  
iShares Factors US Small Blend Style ETF  
iShares Factors US Value Style ETF  
iShares Focused Value Factor ETF  
iShares Global Energy ETF  
iShares International Preferred Stock ETF  
iShares Mortgage Real Estate ETF  
iShares Nasdaq Biotechnology ETF  
iShares North American Tech-Multimedia Networking ETF  
iShares PHLX Semiconductor ETF  
iShares Residential and Multisector Real Estate ETF  
iShares U.S. Aerospace & Defense ETF  
iShares U.S. Broker-Dealers & Securities Exchanges ETF  
iShares U.S. Healthcare Providers ETF  
iShares U.S. Home Construction ETF  
iShares U.S. Infrastructure ETF  
iShares U.S. Insurance ETF  
iShares U.S. Medical Devices ETF  
iShares U.S. Oil & Gas Exploration & Production ETF  
iShares U.S. Oil Equipment & Services ETF  
iShares U.S. Pharmaceuticals ETF  
iShares U.S. Regional Banks ETF  
iShares U.S. Telecommunications ETF

## Diversified Funds

## Non-Diversified Funds

## iShares U.S. Real Estate ETF

\* The iShares Core S&P U.S. Growth ETF, iShares Russell 1000 Growth ETF, iShares Russell Top 200 Growth ETF, iShares S&P 100 ETF and iShares S&P 500 Growth ETF intend to be diversified in approximately the same proportion as their Underlying Indexes are diversified. The iShares Core S&P U.S. Growth ETF, iShares Russell 1000 Growth ETF, iShares Russell Top 200 Growth ETF, iShares S&P 100 ETF and iShares S&P 500 Growth ETF may become non-diversified, as defined in the 1940 Act, solely as a result of a change in relative market capitalization or index weighting of one or more constituents of their Underlying Indexes. Shareholder approval will not be sought if the iShares Core S&P U.S. Growth ETF, iShares Russell 1000 Growth ETF, iShares Russell Top 200 Growth ETF, iShares S&P 100 ETF or iShares S&P 500 Growth ETF crosses from diversified to non-diversified status due solely to a change in its relative market capitalization or index weighting of one or more constituents of its Underlying Index. The Funds disclose their portfolio holdings and weightings at [www.iShares.com](http://www.iShares.com).

A fund classified as “diversified” under the 1940 Act may not purchase securities of an issuer (other than (i) obligations issued or guaranteed by the U.S. government, its agencies or instrumentalities and (ii) securities of other investment companies) if, with respect to 75% of its total assets, (a) more than 5% of the fund’s total assets would be invested in securities of that issuer or (b) the fund would hold more than 10% of the outstanding voting securities of that issuer. With respect to the remaining 25% of its total assets, the fund may invest more than 5% of its assets in one issuer. Under the 1940 Act, a fund cannot change its classification from diversified to non-diversified without shareholder approval. However, while the iShares Core S&P U.S. Growth ETF, iShares Russell 1000 Growth ETF, iShares Russell Top 200 Growth ETF, iShares S&P 100 ETF and iShares S&P 500 Growth ETF are classified as “diversified,” under applicable no-action relief from the SEC staff, the funds may become non-diversified, as defined in the 1940 Act, solely as a result of a change in relative market capitalization or index weighting of one or more constituents of their Underlying Indexes and such a change does not require shareholder approval.

A “non-diversified” fund is a fund that is not limited by the 1940 Act with regard to the percentage of its assets that may be invested in the securities of a single issuer. The securities of a particular issuer (or securities of issuers in particular industries) may constitute a significant percentage of the underlying index of such a fund and, consequently, the fund’s investment portfolio. This may adversely affect a fund’s performance or subject the fund’s shares to greater price volatility than that experienced by more diversified investment companies.

Each Fund (whether diversified or non-diversified) intends to maintain the required level of diversification and otherwise conduct its operations so as to qualify as a regulated investment company (“RIC”) for purposes of the U.S. Internal Revenue Code of 1986, as amended (the “Internal Revenue Code”), and to relieve the Fund of any liability for U.S. federal income tax to the extent that its earnings are distributed to shareholders, provided that the Fund satisfies a minimum distribution requirement. Compliance with the diversification requirements of the Internal Revenue Code may limit the investment flexibility of the Funds and may make it less likely that the Funds will meet their respective investment objectives.

**Futures, Options on Futures and Securities Options.** Futures contracts, options on futures and securities options may be used by a Fund to simulate investment in its Underlying Index, to facilitate trading or to reduce transaction costs. Each Fund may enter into futures contracts and options on futures that are traded on a U.S. or non-U.S. futures exchange. Each Fund will not use futures, options on futures or securities options for speculative purposes. Each Fund intends to use futures and options on futures in accordance with Rule 4.5 of the Commodity Futures Trading Commission (the “CFTC”) promulgated under the Commodity Exchange Act (“CEA”). BFA, with respect to certain Funds, has claimed an exclusion from the definition of the term “commodity pool operator” in accordance with Rule 4.5 so that BFA, with respect to such Funds, is not subject to registration or regulation as a commodity pool operator under the CEA. See the *Regulation Regarding Derivatives* section of this SAI for more information.

Futures contracts provide for the future sale by one party and purchase by another party of a specified amount of a specific instrument or index at a specified future time and at a specified price. Stock index contracts are based on investments that reflect the market value of common stock of the firms included in the investments. Each Fund may enter into futures contracts to purchase securities indexes when BFA anticipates purchasing the underlying securities and believes prices will rise before the purchase will be made. Upon entering into a futures contract, a Fund will be required to deposit with the broker an amount of cash or cash equivalents known as “initial margin,” which is similar to a performance bond or good faith deposit on the contract and is returned to the Fund upon termination of the futures contract if all contractual obligations have been satisfied. Subsequent payments, known as “variation margin,” will be made to and from the broker daily as the price of the instrument or index underlying the futures contract fluctuates, making the long and short positions in the futures



contract more or less valuable, a process known as “marking-to-market.” At any time prior to the expiration of a futures contract, each Fund may elect to close the position by taking an opposite position, which will operate to terminate the Fund’s existing position in the contract. To the extent required by law, each Fund will segregate liquid assets in an amount equal to its delivery obligations under the futures contracts. An option on a futures contract, as contrasted with a direct investment in such a contract, gives the purchaser the right, but no obligation, in return for the premium paid, to assume a position in the underlying futures contract at a specified exercise price at any time prior to the expiration date of the option. Upon exercise of an option, the delivery of the futures position by the writer of the option to the holder of the option will be accompanied by delivery of the accumulated balance in the writer’s futures margin account that represents the amount by which the market price of the futures contract exceeds (in the case of a call) or is less than (in the case of a put) the exercise price of the option on the futures contract. The potential for loss related to the purchase of an option on a futures contract is limited to the premium paid for the option plus transaction costs. Because the value of the option is fixed at the point of sale, there are no daily cash payments by the purchaser to reflect changes in the value of the underlying contract; however, the value of the option changes daily and that change would be reflected in the NAV of each Fund. The potential for loss related to writing call options is unlimited. The potential for loss related to writing put options is limited to the agreed-upon price per share, also known as the “strike price,” less the premium received from writing the put. Certain of the Funds may purchase and write put and call options on futures contracts that are traded on an exchange as a hedge against changes in value of their portfolio securities or in anticipation of the purchase of securities, and may enter into closing transactions with respect to such options to terminate existing positions. There is no guarantee that such closing transactions can be effected.

Securities options may be used by a Fund to obtain access to securities in its Underlying Index or to dispose of securities in its Underlying Index at favorable prices, to invest cash in a securities index that offers similar exposure to that provided by its Underlying Index or otherwise to achieve the Fund’s objective of tracking its Underlying Index. A call option gives a holder the right to purchase a specific security at a specified price (“exercise price”) within a specified period of time. A put option gives a holder the right to sell a specific security at an exercise price within a specified period of time. The initial purchaser of a call option pays the “writer” a premium, which is paid at the time of purchase and is retained by the writer whether or not such option is exercised. Each Fund may purchase put options to hedge its portfolio against the risk of a decline in the market value of securities held and may purchase call options to hedge against an increase in the price of securities it is committed to purchase. Each Fund may write put and call options along with a long position in options to increase its ability to hedge against a change in the market value of the securities it holds or is committed to purchase. Each Fund may purchase or sell securities options on a U.S. or non-U.S. securities exchange or in the OTC market through a transaction with a dealer. Options on a securities index are typically settled on a net basis based on the appreciation or depreciation of the index level over the strike price. Options on single name securities may be cash- or physically-settled, depending upon the market in which they are traded. Options may be structured so as to be exercisable only on certain dates or on a daily basis. Options may also be structured to have conditions to exercise (*i.e.*, “Knock-in Events”) or conditions that trigger termination (*i.e.*, “Knock-out Events”). Investments in futures contracts and other investments that contain leverage may require each Fund to maintain liquid assets in an amount equal to its delivery obligations under these contracts and other investments. Generally, each Fund maintains an amount of liquid assets equal to its obligations relative to the position involved, adjusted daily on a marked-to-market basis. With respect to futures contracts that are contractually required to “cash-settle,” each Fund maintains liquid assets in an amount at least equal to the Fund’s daily marked-to-market obligation (*i.e.*, each Fund’s daily net liability, if any), rather than the contracts’ notional value (*i.e.*, the value of the underlying asset). By maintaining assets equal to its net obligation under cash-settled futures contracts, each Fund may employ leverage to a greater extent than if the Fund were required to set aside assets equal to the futures contracts’ full notional value. Each Fund bases its asset maintenance policies on methods permitted by the SEC and its staff and may modify these policies in the future to comply with any changes in the guidance articulated from time to time by the SEC or its staff. Changes in SEC guidance regarding the use of derivatives by registered investment companies may adversely impact a Fund’s ability to invest in futures, options or other derivatives or make investments in such instruments more expensive.

**Lending Portfolio Securities.** Each Fund may lend portfolio securities to certain borrowers that BFA determines to be creditworthy, including borrowers affiliated with BFA. 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 loaned by 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 receives, by way of substitute payment, the value of any interest or cash or non-cash distributions paid on the loaned securities that it would have 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 typically 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 typically compensated by a fee paid by the borrower equal to a percentage of the market value of the loaned securities. Any cash collateral may be reinvested in certain short-term instruments either directly on behalf of each Fund or through one or more joint accounts or money market funds, including those affiliated with BFA; such investments are subject to investment risk.

Each Fund conducts its securities lending pursuant to an exemptive order from the SEC permitting it to lend portfolio securities to borrowers affiliated with the Fund and to retain an affiliate of the Fund to act as securities lending agent. To the extent that a Fund engages in securities lending, BlackRock Institutional Trust Company, N.A. (“BTC”) acts as securities lending agent for the Fund, subject to the overall supervision of BFA. BTC administers the lending program in accordance with guidelines approved by the Trust’s Board of Trustees (the “Board,” the trustees of which are the “Trustees”).

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 a 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 received by a Fund representing dividends paid on securities loaned out by the Fund will not be considered qualified dividend income. BTC will take into account the tax effects on shareholders caused by this difference in connection with a Fund’s securities lending program. Substitute payments received on tax-exempt securities loaned out will not be tax-exempt income.

**Liquidity Risk Management.** Rule 22e-4 under the Investment Company Act (the “Liquidity Rule”) requires open-end funds, including exchange-traded funds (“ETFs”) such as the Funds, to establish a liquidity risk management program (the “Liquidity Program”) and enhance disclosures regarding fund liquidity. As required by the Liquidity Rule, the Funds have implemented a Liquidity Program, and the Board, including a majority of the Independent Trustees of the Trust, has appointed BFA as the administrator of the Liquidity Program. Under the Liquidity Program, BFA assesses, manages, and periodically reviews each Fund’s liquidity risk and classifies each investment held by a Fund as a “highly liquid investment,” “moderately liquid investment,” “less liquid investment” or “illiquid investment.” The Liquidity Rule defines “liquidity risk” as the risk that a Fund could not meet requests to redeem shares issued by a Fund without significant dilution of the remaining investors’ interest in a Fund. The liquidity of a Fund’s portfolio investments is determined based on relevant market, trading and investment-specific considerations under the Liquidity Program. There are exclusions from certain portions of the liquidity risk management program requirements for “in-kind” ETFs, as defined in the Liquidity Rule. To the extent that an investment is deemed to be an illiquid investment or a less liquid investment, a Fund can expect to be exposed to greater liquidity risk.

**Non-U.S. Securities.** Certain Funds purchase publicly-traded common stocks of non-U.S. issuers. To the extent a Fund invests in stocks of non-U.S. issuers, certain of the Fund’s investments in such stocks may be in the form of American Depositary Receipts (“ADRs”), Global Depositary Receipts (“GDRs”) and European Depositary Receipts (“EDRs”) (collectively, “depositary receipts”). Depositary receipts are receipts, typically issued by a bank or trust issuer, which evidence ownership of underlying securities issued by a non-U.S. issuer. Depositary receipts may not necessarily be denominated in the same currency as their underlying securities. 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 depositary 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 depositary receipts structured like global debt issues to facilitate trading on an international basis. Generally, ADRs, issued in registered form, are designed for use in the U.S. securities markets, and EDRs, issued in bearer form, are designed for use in European securities markets. GDRs are tradable both in the U.S. and in Europe and are designed for use throughout the world.

Depositary receipts are generally subject to the same risks as the foreign securities that they evidence or into which they may be converted. In addition to investment risks associated with the underlying issuer, depositary receipts expose a Fund to additional risks associated with the non-uniform terms that apply to depositary 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 programs, which are not sanctioned by the issuer of the underlying common stock, 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 receipts.

Investing in the securities of non-U.S. issuers involves special risks and considerations not typically associated with investing in U.S. issuers. These include differences in accounting, auditing and financial reporting standards; the possibility of expropriation or confiscatory taxation; adverse changes in investment or exchange control regulations; political instability, which could affect U.S. investments in non-U.S. countries; and potential restrictions on the flow of international capital. Non-U.S. issuers may be subject to less governmental regulation than U.S. issuers. Moreover, individual non-U.S. economies may differ favorably or unfavorably from the U.S. economy in such respects as growth of gross domestic product (“GDP”), rate of inflation, capital reinvestment, resource self-sufficiency and balance of payment positions.

**Regulation Regarding Derivatives.** The CFTC subjects advisers to registered investment companies to regulation by the CFTC if a fund that is advised by the 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. The CFTC also subjects advisers to registered investment companies to regulation by the CFTC if the registered investment company invests in one or more commodity pools. To the extent a Fund uses CFTC Derivatives, it intends to do so below such prescribed levels and intends not to market itself as a “commodity pool” or a vehicle for trading such instruments.

BFA has claimed an exclusion from the definition of the term “commodity pool operator” under the CEA pursuant to Rule 4.5 under the CEA with respect to each of the Funds. BFA is not, therefore, subject to registration or regulation as a “commodity pool operator” under the CEA with respect to the Funds.

The iShares Core S&P Small-Cap ETF, iShares Core S&P Total U.S. Stock Market ETF, iShares Europe ETF, iShares Global Consumer Staples ETF, iShares Global Energy ETF, iShares Global Financials ETF, iShares Factors US Value Style ETF, iShares International Developed Property ETF, iShares Micro-Cap ETF, iShares Mortgage Real Estate ETF, iShares Nasdaq Biotechnology ETF, iShares Preferred and Income Securities ETF, iShares Residential and Multisector Real Estate ETF, iShares Russell 1000 ETF, iShares Russell 100 Pure U.S. Revenue ETF, iShares Russell 1000 Value ETF, iShares Russell 2000 ETF, iShares Russell 2000 Growth ETF, iShares Russell 2000 Value ETF, iShares Russell 3000 ETF, iShares Russell Mid-Cap ETF, iShares Russell Mid-Cap Value ETF, iShares S&P Small-Cap 600 Growth ETF, iShares S&P Small-Cap 600 Value ETF and iShares U.S. Real Estate ETF (the “No-Action Letter Funds”) may also have investments in “underlying funds” (and such underlying funds themselves may invest in underlying funds) not advised by BFA (the term “underlying fund” for purposes of the no-action letter referenced below may include, but is not limited to, certain securitized vehicles, mortgage or international real estate investment trusts, business development companies, and investment companies that may invest in CFTC Derivatives or in any of the foregoing), and therefore may be viewed by the CFTC as commodity pools. BFA has no transparency into the holdings of these underlying funds because they are not advised by BFA. To address this issue of lack of transparency, the CFTC staff issued a no-action letter on November 29, 2012 permitting the adviser of a fund that invests in such underlying funds and that would otherwise have filed a claim of exclusion pursuant to CFTC Rule 4.5 to delay registration as a “commodity pool operator” until six months from the date on which the CFTC issues additional guidance on the treatment of CFTC Derivatives held by underlying funds. BFA, the adviser of the No-Action Letter Funds, has filed a claim with the CFTC for the Funds to rely on this no-action relief. Accordingly, BFA is not currently subject to registration or regulation as a “commodity pool operator” under the CEA in respect of the Funds.

Derivative contracts, including, without limitation, swaps, currency forwards, and non-deliverable forwards, are subject to regulation under the Dodd-Frank Wall Street Reform and Consumer Protection Act (“Dodd-Frank Act”) in the U.S. and under comparable regimes in Europe, Asia and other non-U.S. jurisdictions. Swaps, non-deliverable forwards and certain other derivatives traded in the OTC market are subject to variation margin requirements, and initial margining requirements will be phased in through 2020. Implementation of the margining and other provisions of the Dodd-Frank Act regarding clearing, mandatory trading, reporting and documentation of swaps and other derivatives have impacted and may continue to impact the costs to a Fund of trading these instruments and, as a result, may affect returns to investors in a Fund.

As a result of regulatory requirements under the 1940 Act, each Fund is required to maintain an amount of liquid assets, accrued on a daily basis, having an aggregate value at least equal to the value of a Fund’s obligations under the applicable derivatives contract. To the extent that derivatives contracts are settled on a physical basis, a Fund will generally be required



to maintain an amount of liquid assets equal to the notional value of the contract. On the other hand, in connection with derivatives contracts that are performed on a net basis, a Fund will generally be required to maintain liquid assets, accrued daily, equal only to the accrued excess, if any, of a Fund's obligations over those of its counterparty under the contract. Accordingly, reliance by a Fund on physically-settled derivatives contracts may adversely impact investors by requiring a Fund to set aside a greater amount of liquid assets than would generally be required if a Fund were relying on cash-settled derivatives contracts.

**Repurchase Agreements.** A repurchase agreement is an instrument under which the purchaser (*i.e.*, a Fund) acquires a security and the seller agrees, at the time of the sale, to repurchase the security at a mutually agreed-upon time and price, thereby determining the yield during the purchaser's holding period. Repurchase agreements may be construed to be collateralized loans by the purchaser to the seller secured by the securities transferred to the purchaser. If a repurchase agreement is construed to be a collateralized loan, the underlying securities will not be considered to be owned by a Fund but only to constitute collateral for the seller's obligation to pay the repurchase price, and, in the event of a default by the seller, the Fund may suffer time delays and incur costs or losses in connection with the disposition of the collateral.

In any repurchase transaction, the collateral for a repurchase agreement may include: (i) cash items; (ii) obligations issued by the U.S. government or its agencies or instrumentalities; or (iii) obligations that, at the time the repurchase agreement is entered into, are determined to (A) have exceptionally strong capacity to meet their financial obligations and (B) are sufficiently liquid such that they can be sold at approximately their carrying value in the ordinary course of business within seven days.

Repurchase agreements pose certain risks for a Fund that utilizes them. Such risks are not unique to the Funds, but are inherent in repurchase agreements. The Funds seek to minimize such risks, but because of the inherent legal uncertainties involved in repurchase agreements, such risks cannot be eliminated. Lower quality collateral and collateral with a longer maturity may be subject to greater price fluctuations than higher quality collateral and collateral with a shorter maturity. 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 likely retain the status of an unsecured creditor of the counterparty (*i.e.*, the position a 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.

**Reverse Repurchase Agreements.** Reverse repurchase agreements involve the sale of securities with an agreement to repurchase the securities at an agreed-upon price, date and interest payment and have the characteristics of borrowing. Generally, the effect of such transactions is that a Fund can recover all or most of the cash invested in the portfolio securities involved during the term of the reverse repurchase agreement, while in many cases the Fund is able to keep some of the interest income associated with those securities. Such transactions are advantageous only if a Fund has an opportunity to earn a rate of interest on the cash derived from these transactions that is greater than the interest cost of obtaining the same amount of cash. Opportunities to realize earnings from the use of the proceeds equal to or greater than the interest required to be paid may not always be available, and a Fund intends to use the reverse repurchase technique only when BFA believes it will be advantageous to the Fund. The use of reverse repurchase agreements may exaggerate any increase or decrease in the value of a Fund's assets. A Fund's exposure to reverse repurchase agreements will be covered by liquid assets having a value equal to or greater than the Fund's obligations under such commitments. The use of reverse repurchase agreements is a form of leverage, and the proceeds obtained by a Fund through reverse repurchase agreements may be invested in additional securities.

**Securities of Investment Companies.** Each Fund may invest in the securities of other investment companies (including money market funds) to the extent permitted by law. Pursuant to the 1940 Act, a Fund's investment in registered investment companies is generally limited to, subject to certain exceptions: (i) 3% of the total outstanding voting stock of any one investment company; (ii) 5% of a Fund's total assets with respect to any one investment company; and (iii) 10% of a Fund's total assets with respect to investment companies in the aggregate. To the extent allowed by law or regulation, each Fund intends from time to time to invest its assets in the securities of investment companies, including, but not limited to, money market funds, including those advised by or otherwise affiliated with BFA, in excess of the general limits discussed above. Other investment companies in which a Fund may invest can be expected to incur fees and expenses for operations, such as investment advisory and administration fees, which would be in addition to those incurred by the Fund. Pursuant to guidance

issued by the SEC staff, fees and expenses of money market funds used for cash collateral received in connection with loans of securities are not treated as Acquired Fund Fees and Expenses, which reflect a Fund's *pro rata* share of the fees and expenses incurred by investing in other investment companies (as disclosed in the Prospectus, as applicable).

**Short-Term Instruments and Temporary Investments.** Each Fund may invest in short-term instruments, including money market instruments, on an ongoing basis to provide liquidity or for other reasons. Money market instruments are generally short-term investments that may include, but are not limited to: (i) shares of money market funds (including those advised by BFA or otherwise affiliated with BFA); (ii) obligations issued or guaranteed by the U.S. government, its agencies or instrumentalities (including government-sponsored enterprises); (iii) negotiable certificates of deposit ("CDs"), bankers' acceptances, fixed-time deposits and other obligations of U.S. and non-U.S. banks (including non-U.S. branches) and similar institutions; (iv) commercial paper rated, at the date of purchase, "Prime-1" by Moody's® Investors Service, Inc., "F-1" by Fitch Ratings, Inc., or "A-1" by Standard & Poor's® Financial Services LLC, a subsidiary of S&P Global, Inc. (S&P Global Ratings), or if unrated, of comparable quality as determined by BFA; (v) non-convertible corporate debt securities (e.g., bonds and debentures) with remaining maturities at the date of purchase of not more than 397 days and that have been determined to present minimal credit risks, in accordance with the requirements set forth in Rule 2a-7 under the 1940 Act; (vi) repurchase agreements; and (vii) short-term U.S. dollar-denominated obligations of non-U.S. banks (including U.S. branches) that, in the opinion of BFA, are of comparable quality to obligations of U.S. banks that may be purchased by a Fund. Any of these instruments may be purchased on a current or forward-settled basis. Time deposits are non-negotiable deposits maintained in banking institutions for specified periods of time at stated interest rates. Bankers' acceptances are time drafts drawn on commercial banks by borrowers, usually in connection with international transactions.

**Swap Agreements.** Swap agreements are contracts between parties in which one party agrees to make periodic payments to the other party based on a pre-determined underlying investment or notional amount. In return, the other party agrees to make periodic payments to the first party based on the return (or a differential in rate of return) earned or realized on the underlying investment or notional amount. Swap agreements will usually be performed on a net basis, with a Fund receiving or paying only the net amount of the two payments. The net amount of the excess, if any, of a Fund's obligations over its entitlements with respect to each swap is accrued on a daily basis, and an amount of liquid assets having an aggregate value at least equal to the accrued excess will be maintained by the Fund.

Certain of the Funds may enter into swap agreements, including currency swaps, interest rate swaps and index swaps, or for the iShares Core S&P Small-Cap ETF, iShares S&P Small-Cap 600 Growth ETF and iShares S&P Small-Cap 600 Value ETF, total return swaps (some of which may be referred to as contracts for difference or "CFDs"). The use of swaps is a highly specialized activity that involves investment techniques and risks different from those associated with ordinary portfolio security transactions. These transactions generally do not involve the delivery of securities or other underlying assets.

**Tracking Stocks.** A tracking stock is a separate class of common stock whose value is linked to a specific business unit or operating division within a larger company and is designed to "track" the performance of such business unit or division. The tracking stock may pay dividends to shareholders independent of the parent company. The parent company, rather than the business unit or division, generally is the issuer of tracking stock. However, holders of the tracking stock may not have the same rights as holders of the company's common stock.

**Future Developments.** The Board may, in the future, authorize each Fund to invest in securities contracts and investments, other than those listed in this SAI and in the applicable Prospectus, provided they are consistent with each Fund's investment objective and do not violate any of its investment restrictions or policies.

## General Considerations and Risks

A discussion of some of the principal risks associated with an investment in a Fund is contained in the applicable Prospectus.

An investment in a Fund should be made with an understanding that the value of the Fund's portfolio securities may fluctuate in accordance with changes in the financial condition of the issuers of the portfolio securities, the value of preferred or common stocks in general, and other factors that affect the market. The order of the below risk factors does not indicate the significance of any particular risk factor.

**Borrowing Risk.** Borrowing may exaggerate changes in the NAV of Fund shares and in the return on a Fund's portfolio. Borrowing will cause a Fund to incur interest expense and other fees. The costs of borrowing may reduce a Fund's return. Borrowing may cause a Fund to liquidate positions when it may not be advantageous to do so to satisfy its obligations.

**Custody Risk.** Custody risk refers to the risks inherent in the process of clearing and settling trades and to the holding of securities, cash and other assets by local banks, agents and depositories. Low trading volumes and volatile prices in less developed markets make trades harder to complete and settle, and governments or trade groups may compel local agents to hold securities in designated depositories that may not be subject to independent evaluation. Local agents are held only to the standards of care of their local markets, and thus may be subject to limited or no government oversight. Communications between the U.S. and emerging market countries may be unreliable, increasing the risk of delayed settlements or losses of security certificates. In general, the less developed a country's securities market is, the greater the likelihood of custody problems. Practices in relation to the settlement of securities transactions in emerging markets involve higher risks than those in developed markets, in part because of the use of brokers and counterparties that are often less well capitalized, and custody and registration of assets in some countries may be unreliable. The possibility of fraud, negligence or 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 lost. In addition, 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 an agent of any of the foregoing goes bankrupt. A Fund would absorb any loss resulting from such custody problems and may have no successful claim for compensation.

**Dividend Risk.** There is no guarantee that issuers of the stocks held by a Fund will declare dividends in the future or that, if declared, they will be paid, or that they will either remain at current levels or increase over time.

**Illiquid Investments Risk.** Each Fund may invest up to an aggregate amount of 15% of its net assets in illiquid investments. An illiquid investment is any investment that a Fund reasonably expects cannot be sold or disposed of in current market conditions in seven calendar days or less without significantly changing the market value of the investment. The liquidity of an investment will be determined based on relevant market, trading and investment specific considerations as set out in the Liquidity Program as required by the Liquidity Rule. Illiquid investments may trade at a discount to comparable, more liquid investments and a Fund may not be able to dispose of illiquid investments in a timely fashion or at their expected prices. If illiquid investments exceed 15% of a Fund's net assets, the Liquidity Rule and the Liquidity Program will require that certain remedial actions be taken.

**LIBOR Risk.** A Fund may be exposed to financial instruments that are tied to the LIBOR to determine payment obligations, financing terms, hedging strategies or investment value. A Fund's investments may pay interest at floating rates based on LIBOR or may be subject to interest caps or floors based on LIBOR. A Fund may also obtain financing at floating rates based on LIBOR. Derivative instruments utilized by a Fund may also reference LIBOR.

In 2017, the head of the United Kingdom's Financial Conduct Authority announced a desire to phase out the use of LIBOR by the end of 2021, and it is expected that LIBOR will cease to be published after that time. A Fund may have investments linked to other interbank offered rates, such as the Euro Overnight Index Average ("EONIA"), which may also cease to be published. Various financial industry groups have begun planning for the transition away from LIBOR, but there are challenges to converting certain securities and transactions to a new reference rate (e.g., the Secured Overnight Financing Rate ("SOFR"), which is intended to replace the U.S. dollar LIBOR).

Neither the effect of the LIBOR transition process nor its ultimate success can yet be known. The transition process might lead to increased volatility and illiquidity in markets for, and reduce the effectiveness of new hedges placed against, instruments whose terms currently include LIBOR. While some existing LIBOR-based instruments may contemplate a scenario where LIBOR is no longer available by providing for an alternative rate-setting methodology, there may be significant uncertainty regarding the effectiveness of any such alternative methodologies to replicate LIBOR. Not all existing LIBOR-based instruments may have alternative rate-setting provisions and there remains uncertainty regarding the willingness and ability of issuers to add alternative rate-setting provisions in certain existing instruments. In addition, a liquid market for newly-issued instruments that use a reference rate other than LIBOR still may be developing. There may also be challenges for a Fund to enter into hedging transactions against such newly-issued instruments until a market for such hedging transactions develops. All of the aforementioned may adversely affect a Fund's performance or NAV.

**National Closed Market Trading Risk.** To the extent that the underlying securities held by a Fund trade on foreign exchanges or in foreign markets that are closed when the securities exchange on which a Fund's shares trade is open, there are likely to be deviations between the current price of such an underlying security and the last quoted price for the underlying security (i.e., a Fund's quote from the closed foreign market). These deviations may result in premiums or discounts to a Fund's NAV that may be greater than those experienced by other ETFs.

**Operational Risk.** BFA and a Fund's other service providers may experience disruptions or operating errors such as processing errors or human errors, inadequate or failed internal or external processes, or systems or technology failures, that could negatively impact the Funds. While service providers are required to have appropriate operational risk management policies and procedures, their methods of operational risk management may differ from a Fund's in the setting of priorities, the personnel and resources available or the effectiveness of relevant controls. BFA, through its monitoring and oversight of service providers, seeks to ensure that service providers take appropriate precautions to avoid and mitigate risks that could lead to disruptions and operating errors. However, it is not possible for BFA or the other Fund service providers to identify all of the operational risks that may affect a Fund or to develop processes and controls to completely eliminate or mitigate their occurrence or effects.

**Risk of Derivatives.** A derivative is a financial contract, the value of which depends on, or is derived from, the value of an underlying asset, such as a security, a commodity (such as gold or silver), a currency or an index (a measure of value or rates, such as the S&P 500® or the prime lending rate). A Fund may invest in futures contracts, securities options, CFDs (for the iShares Core S&P Small-Cap ETF, iShares S&P Small-Cap 600 Growth ETF and iShares S&P Small-Cap 600 Value ETF) and other derivatives. Compared to securities, derivatives can be more sensitive to changes in interest rates or to sudden fluctuations in market prices and thus a Fund's losses may be greater if it invests in derivatives than if it invests only in conventional securities. Derivatives are also subject to counterparty risk, which is the risk that the other party in the transaction will not fulfill its contractual obligations. Derivatives generally involve the incurrence of leverage. To address such leverage and to prevent a Fund from being deemed to have issued senior securities as a result of an investment in derivatives, such Fund will segregate liquid assets equal to its obligations under the derivatives throughout the life of the investment.

When a derivative is used as a hedge against a position that a Fund holds or is committed to purchase, any loss generated by the derivative generally should be substantially offset by gains on the hedged investment, and vice versa. While hedging can reduce or eliminate losses, it can also reduce or eliminate gains, and in some cases, hedging can cause losses that are not offset by gains, and the Fund will recognize losses on both the investment and the hedge. Hedges are sometimes subject to imperfect matching between the derivative and the underlying security, and there can be no assurance that a Fund's hedging transactions, which entail additional transaction costs, will be effective.

**Risk of Equity Securities.** An investment in a Fund should be made with an understanding of the risks inherent in an investment in equity securities, including the risk that the financial condition of issuers may become impaired or that the general condition of stock markets may deteriorate (either of which may cause a decrease in the value of the portfolio securities and thus in the value of shares of the Fund). Common stocks are susceptible to general stock market fluctuations and to increases and decreases in value as market confidence and perceptions of their issuers change. These investor perceptions are based on various and unpredictable factors, including expectations regarding government, economic, monetary and fiscal policies, inflation and interest rates, economic expansion or contraction, and global or regional political, economic or banking crises. Holders of common stocks incur more risks than holders of preferred stocks and debt obligations because common stockholders generally have rights to receive payments from stock issuers that are inferior to the rights of creditors, or holders of debt obligations or preferred stocks. Further, unlike debt securities, which typically have a stated principal amount payable at maturity (the value of which, however, is subject to market fluctuations prior to maturity), or preferred stocks, which typically have a liquidation preference and which may have stated optional or mandatory redemption provisions, common stocks have neither a fixed principal amount nor a maturity date. In addition, issuers may, in times of distress or at their own discretion, decide to reduce or eliminate dividends, which may also cause their stock price to decline.

Each of the iShares International Preferred Stock ETF and the iShares Preferred and Income Securities ETF invests a significant portion of its assets in preferred stock, although all of the Funds may invest in preferred stock. A Fund that invests in preferred stock may be exposed to certain risks not typically encountered by investing in common stock. Many preferred stocks pay dividends at a fixed rate, therefore, a preferred stock's market price may be sensitive to changes in interest rates in a manner similar to bonds — that is, as interest rates rise, the value of the preferred stock is likely to decline. Many preferred stocks also allow holders to convert the preferred stock into common stock of the issuer; the market price of such preferred

stocks may be sensitive to changes in the value of the issuer's common stock. In addition, the ability of an issuer of preferred stock to pay dividends may deteriorate or the issuer may default (*i.e.*, fail to make scheduled dividend payments on the preferred stock or scheduled interest payments on other obligations of the issuer), which would negatively affect the value of any such holding. Dividend payments on a preferred stock typically must be declared by the issuer's board of directors. An issuer's board of directors is generally not under any obligation to pay a dividend (even if such dividends have accrued), and may suspend payment of dividends on preferred stock at any time. Preferred stock is also subject to market volatility and the price of preferred stock will fluctuate based on market demand. Preferred stock often has a call feature which allows the issuer to redeem the security at its discretion. Therefore, preferred stocks having a higher than average yield may be called by the issuer, which may cause a decrease in the yield of a Fund that invested in the preferred stock.

Although most of the securities in each Underlying Index are listed on a securities exchange, the principal trading market for some of the securities may be in the OTC market. The existence of a liquid trading market for certain securities may depend on whether dealers will make a market in such securities. There can be no assurance that a market will be made or maintained or that any such market will be or remain liquid. The price at which securities may be sold and the value of a Fund's shares will be adversely affected if trading markets for the Fund's portfolio securities are limited or absent, or if bid/ask spreads are wide.

**Risk of Futures and Options on Futures Transactions.** There are several risks accompanying the utilization of futures contracts and options on futures contracts. A position in futures contracts and options on futures contracts may be closed only on the exchange on which the contract was made (or a linked exchange). While each Fund plans to utilize futures contracts only if an active market exists for such contracts, there is no guarantee that a liquid market will exist for the contract at a specified time. Futures contracts, by definition, project price levels in the future and not current levels of valuation; therefore, market circumstances may result in a discrepancy between the price of the future and the movement in a Fund's Underlying Index. In the event of adverse price movements, a Fund would continue to be required to make daily cash payments to maintain its required margin. In such situations, if a Fund has insufficient cash, it may have to sell portfolio securities to meet daily margin requirements at a time when it may be disadvantageous to do so. In addition, a Fund may be required to deliver the instruments underlying the futures contracts it has sold.

The risk of loss in trading futures contracts or uncovered call options in some strategies (*e.g.*, selling uncovered stock index futures contracts) is potentially unlimited. The Funds do not plan to use futures and options contracts in this way. The risk of a futures position may still be large as traditionally measured due to the low margin deposits required. In many cases, a relatively small price movement in a futures contract may result in immediate and substantial loss or gain to the investor relative to the size of a required margin deposit. The Funds, however, intend to utilize futures and options contracts in a manner designed to limit their risk exposure to levels comparable to a direct investment in the types of stocks in which they invest.

Utilization of futures and options on futures by a Fund involves the risk of imperfect or even negative correlation to its Underlying Index if the index underlying the futures contract differs from the Underlying Index. There is also the risk of loss of margin deposits in the event of bankruptcy of a broker with whom a Fund has an open position in the futures contract or option. The purchase of put or call options will be based upon predictions by BFA as to anticipated trends, which predictions could prove to be incorrect.

Because the futures market generally imposes less burdensome margin requirements than the securities market, an increased amount of participation by speculators in the futures market could result in price fluctuations. Certain financial futures exchanges limit the amount of fluctuation permitted in futures contract prices during a single trading day. The daily limit establishes the maximum amount by which the price of a futures contract may vary either up or down from the previous day's settlement price at the end of a trading session. Once the daily limit has been reached in a particular type of contract, no trades may be made on that day at a price beyond that limit. It is possible that futures contract prices could move to the daily limit for several consecutive trading days with little or no trading, thereby preventing prompt liquidation of futures positions and subjecting each Fund to substantial losses. In the event of adverse price movements, each Fund would be required to make daily cash payments of variation margin.

**Risk of Investing in Non-U.S. Equity Securities.** An investment in any of the Funds that invest, directly or indirectly, in non-U.S. equity securities involves risks similar to those of investing in portfolios of equity securities traded on non-U.S. exchanges. These risks include market fluctuations caused by such factors as economic and political developments in those foreign countries, changes in interest rates and perceived trends in stock prices. Investing in securities issued by issuers



domiciled in countries other than the domicile of the investor and denominated in currencies other than an investor's local currency entails certain considerations and risks not typically encountered by the investor in making investments in its home country and in that country's currency. These considerations include favorable or unfavorable changes in interest rates, currency exchange rates, exchange control regulations and the costs that may be incurred in connection with conversions between various currencies. Investing in any of these Funds also involves certain risks and considerations not typically associated with investing in a fund whose portfolio contains exclusively securities of U.S. issuers. These risks include generally less liquid and less efficient securities markets; generally greater price volatility; less publicly available information about issuers; the imposition of withholding or other taxes; the imposition of restrictions on the expatriation of funds or other assets of the Funds; higher transaction and custody costs; delays and risks attendant in settlement procedures; difficulties in enforcing contractual obligations; lower liquidity and significantly smaller market capitalization; different accounting and disclosure standards; lower levels of regulation of the securities markets; more substantial government interference with the economy and businesses; higher rates of inflation; greater social, economic, and political uncertainty; the risk of nationalization or expropriation of assets; and the risk of war.

**Risk of Investing in Large-Capitalization Companies.** Large-capitalization companies may be less able than smaller capitalization companies to adapt to changing market conditions. Large-capitalization companies may be more mature and subject to more limited growth potential compared to smaller capitalization companies. During different market cycles, the performance of large-capitalization companies has trailed the overall performance of the broader securities markets.

**Risk of Investing in Micro-Capitalization Companies.** Certain of the Funds may invest in securities of micro-capitalization companies. Micro-capitalization companies may have limited operational histories and new or unproven product lines, or may have product lines that are still in development. These companies may be more vulnerable than larger companies to key personnel losses due to reliance on a smaller number of management personnel. Micro-capitalization companies may have limited financial resources and little or no access to additional credit and therefore may be more susceptible to market downturns or rising credit costs than larger, more established companies. Share prices of micro-capitalization companies may be more volatile than those of larger companies and therefore a Fund's share price may be more volatile than the share prices of funds that invest a larger percentage of assets in shares issued by small-, mid-, or large-capitalization companies. The shares of micro-capitalization companies may be thinly traded and may be at risk for delisting from a securities exchange, making it difficult for a Fund to buy and sell shares of a particular micro-capitalization company. In addition, there may be less public information available about these companies.

**Risk of Investing in Mid-Capitalization Companies.** Stock prices of mid-capitalization companies may be more volatile than those of large-capitalization companies, and, therefore, a Fund's share price may be more volatile than that of funds that invest a larger percentage of their assets in stocks issued by large-capitalization companies. Stock prices of mid-capitalization companies are also more vulnerable than those of large-capitalization companies to adverse business or economic developments, and the stocks of mid-capitalization companies may be less liquid than those of large-capitalization companies, making it more difficult for the Funds to buy and sell shares of mid-capitalization companies. In addition, mid-capitalization companies generally have less diverse product lines than large-capitalization companies and are more susceptible to adverse developments related to their products.

**Risk of Investing in Small-Capitalization Companies.** Stock prices of small-capitalization companies may be more volatile than those of larger companies, and, therefore, a Fund's share price may be more volatile than that of funds that invest a larger percentage of their assets in stocks issued by large-capitalization or mid-capitalization companies. Stock prices of small-capitalization companies are generally more vulnerable than those of large-capitalization or mid-capitalization companies to adverse business and economic developments. The stocks of small-capitalization companies may be thinly traded, making it difficult for the Funds to buy and sell them. In addition, small-capitalization companies are typically less financially stable than larger, more established companies and may depend on a small number of essential personnel, making them more vulnerable to loss of personnel. Small-capitalization companies also normally have less diverse product lines than large-capitalization companies and are more susceptible to adverse developments concerning their products.

**Risk of Non-U.S. Preferred Stock.** A Fund that invests in preferred stock may be exposed to certain risks not typically encountered by investing in common stock. Many preferred stocks pay dividends at a fixed rate, therefore, a preferred stock's market price may be sensitive to changes in interest rates in a manner similar to bonds — that is, as interest rates rise, the value of the preferred stock is likely to decline. Many preferred stocks also allow holders to convert the preferred stock into common stock of the issuer; the market price of such preferred stocks can be sensitive to changes in the value of the issuer's common stock. In addition, the ability of an issuer of preferred stock to pay dividends may deteriorate or the issuer may

default (i.e., fail to make scheduled dividend payments on the preferred stock or scheduled interest payments on other obligations of the issuer), which would negatively affect the value of any such holding. Dividend payments on a preferred stock typically must be declared by the issuer's board of directors. An issuer's board of directors is generally not under any obligation to pay a dividend (even if such dividends have accrued), and may suspend payment of dividends on preferred stock at any time. Preferred stock is also subject to market volatility and the price of preferred stock will fluctuate based on market demand. Preferred stock often has a call feature which allows the issuer to redeem the security at its discretion. Therefore, preferred stocks having a higher than average yield may be called by the issuer, which may cause a decrease in the yield of a fund that invested in the preferred stock. Also, non U.S. preferred stock may have different rights or privileges than those commonly associated with U.S. preferred stock. In addition to the risks listed above, investors in non U.S. preferred stock may experience difficulty or uncertainty in determining and enforcing their rights related to preferred stock.

**Risk of Swap Agreements.** The risk of loss with respect to swaps is generally limited to the net amount of payments that a Fund is contractually obligated to make. Swap agreements are subject to the risk that the swap counterparty will default on its obligations to pay a Fund and the risk that a Fund will not be able to meet its obligations to pay the other party to the agreement. If such a default occurs, the parties will have contractual remedies pursuant to the agreements related to the transaction. However, such remedies may be subject to bankruptcy and insolvency laws, which could affect such Fund's rights as a creditor (e.g., a Fund may not receive the net amount of payments that it is contractually entitled to receive). Swap agreements may also involve the risk that there is an imperfect correlation between the return on the Fund's obligation to its counterparty and the return on the referenced asset. In addition, swap agreements are subject to market and liquidity risk, leverage risk and hedging risk.

A Fund is required to post and collect variation margin (comprised of specified liquid securities subject to haircuts) in connection with trading of OTC swaps. Initial margin requirements are in the process of being phased in, and a Fund may be subject to such requirements as early as September 2021. These requirements may raise the costs for a Fund's investment in swaps.

**Securities Lending Risk.** A Fund may engage in securities lending. Securities lending involves the risk that a Fund may lose money because the borrower of the loaned securities fails to return the securities in a timely manner or at all. A Fund could also lose money in the event of a decline in the value of collateral provided for loaned securities or a decline in the value of any investments made with cash collateral. These events could also trigger adverse tax consequences for a Fund.

**Risk of Investing in Asia.** Investments in securities of issuers in certain Asian countries involve risks not typically associated with investments in securities of issuers in other regions. Such heightened risks include, among others, expropriation and/or nationalization of assets, confiscatory taxation, piracy of intellectual property, data and other security breaches (especially of data stored electronically), political instability, including authoritarian and/or military involvement in governmental decision-making, armed conflict and social instability as a result of religious, ethnic and/or socio-economic unrest. Certain Asian economies have experienced rapid rates of economic growth and industrialization in recent years, and there is no assurance that these rates of economic growth and industrialization will be maintained.

Certain Asian countries have democracies with relatively short histories, which may increase the risk of political instability. These countries have faced political and military unrest, and further unrest could present a risk to their local economies and securities markets. Indonesia and the Philippines have each experienced violence and terrorism, which has negatively impacted their economies. North Korea and South Korea each have substantial military capabilities, and historical tensions between the two countries present the risk of war. Escalated tensions involving the two countries and any outbreak of hostilities between the two countries, or even the threat of an outbreak of hostilities, could have a severe adverse effect on the entire Asian region. Certain Asian countries have also developed increasingly strained relationships with the U.S., and if these relations were to worsen, they could adversely affect Asian issuers that rely on the U.S. for trade. Political, religious, and border disputes persist in India. India has recently experienced and may continue to experience civil unrest and hostilities with certain of its neighboring countries. Increased political and social unrest in these geographic areas could adversely affect the performance of investments in this region.

Certain governments in this region administer prices on several basic goods, including fuel and electricity, within their respective countries. Certain governments may exercise substantial influence over many aspects of the private sector in their respective countries and may own or control many companies. Future government actions could have a significant effect on the economic conditions in this region, which in turn could have a negative impact on private sector companies. There is also the possibility of diplomatic developments adversely affecting investments in the region.

Corruption and the perceived lack of a rule of law in dealings with international companies in certain Asian countries may discourage foreign investment and could negatively impact the long-term growth of certain economies in this region. In addition, certain countries in the region are experiencing high unemployment and corruption, and have fragile banking sectors.

Some economies in this region are dependent on a range of commodities, including oil, natural gas and coal. Accordingly, they are strongly affected by international commodity prices and particularly vulnerable to any weakening in global demand for these products. The market for securities in this region may also be directly influenced by the flow of international capital, and by the economic and market conditions of neighboring countries. Adverse economic conditions or developments in neighboring countries may increase investors' perception of the risk of investing in the region as a whole, which may adversely impact the market value of the securities issued by companies in the region.

**Risk of Investing in Australasia.** The economies of Australasia, which include Australia and New Zealand, are dependent on exports from the agricultural and mining sectors. This makes Australasian economies susceptible to fluctuations in the commodity markets. Australasian economies are also increasingly dependent on their growing service industries. Australia and New Zealand are located in a part of the world that has historically been prone to natural disasters, such as drought and flooding. Any such event in the future could have a significant adverse impact on the economies of Australia and New Zealand and affect the value of securities held by a Fund. The economies of Australia and New Zealand are dependent on trading with certain key trading partners, including Asia, Europe and the U.S. Economic events in the U.S., Asia, or in other key trading countries can have a significant economic effect on the Australian economy. The economies of Australia and New Zealand are heavily dependent on the mining sector. Passage of new regulations limiting foreign ownership of companies in the mining sector or imposition of new taxes on profits of mining companies may dissuade foreign investment, and as a result, have a negative impact on companies to which a Fund has exposure.

**Risk of Investing in Canada.** The U.S. is Canada's largest trading and investment partner, and the Canadian economy is significantly affected by developments in the U.S. economy. Since the implementation of the North American Free Trade Agreement ("NAFTA") in 1994 among Canada, the U.S. and Mexico, total two-way merchandise trade between the U.S. and Canada has more than doubled. Any downturn in U.S. or Mexican economic activity is likely to have an adverse impact on the Canadian economy. Political developments, including the implementation of tariffs by the U.S. and the renegotiation of NAFTA in the form of the United States-Mexico-Canada Agreement ("USMCA"), which replaced NAFTA on or around July 1, 2020, could have an adverse impact on Canadian securities. The Canadian economy is also dependent upon external trade with other key trading partners, specifically China and the United Kingdom (the "U.K."). As a result, Canada is dependent on the economies of these other countries. In addition, Canada is a large supplier of natural resources (e.g., oil, natural gas and agricultural products). As a result, the Canadian economy is sensitive to fluctuations in certain commodity prices.

**Risk of Investing in Central and South America.** The economies of certain Central and South American countries have experienced high interest rates, economic volatility, inflation, currency devaluations, government defaults, high unemployment rates and political instability which can adversely affect issuers in these countries. In addition, commodities (such as oil, gas and minerals) represent a significant percentage of exports for the regions and many economies in these regions are particularly sensitive to fluctuations in commodity prices. Adverse economic events in one country may have a significant adverse effect on other countries of these regions.

The governments of certain countries in Central and South America may exercise substantial influence over many aspects of the private sector and may own or control many companies. Future government actions could have a significant effect on the economic conditions in such countries, which could have a negative impact on the securities in which a Fund invests. Diplomatic developments may also adversely affect investments in certain countries in Central and South America. Some countries in Central and South America may be affected by public corruption and crime, including organized crime.

Certain countries in Central and South America may be heavily dependent upon international trade and, consequently, have been and may continue to be negatively affected by trade barriers, exchange controls, managed adjustments in relative currency values and other protectionist measures imposed or negotiated by the countries with which they trade. These countries also have been and may continue to be adversely affected by economic conditions in the countries with which they trade. In addition, certain issuers located in countries in Central and South America in which a Fund invests may be the subject of sanctions (for example, the U.S. has imposed sanctions on certain Venezuelan individuals, corporate entities and the Venezuelan government) or have dealings with countries subject to sanctions and/or embargoes imposed by the U.S. government and the United Nations and/or countries identified by the U.S. government as state sponsors of terrorism. An



issuer may sustain damage to its reputation if it is identified as an issuer that has dealings with such countries. A Fund may be adversely affected if it invests in such issuers.

**Risk of Investing in Developed Countries.** Many countries with developed markets have recently experienced significant economic pressures. These countries generally tend to rely on the services sectors (e.g., the financial services sector) as the primary source of economic growth and may be susceptible to the risks of individual service sectors. For example, companies in the financial services sector are subject to governmental regulation and, recently, government intervention, which may adversely affect the scope of their activities, the prices they can charge and amount of capital they must maintain. Recent dislocations in the financial sector and perceived or actual governmental influence over certain financial companies may lead to credit rating downgrades and, as a result, impact, among other things, revenue growth for such companies. If financial companies experience a prolonged decline in revenue growth, certain developed countries that rely heavily on financial companies as an economic driver may experience a correlative slowdown. Recently, new concerns have emerged with respect to the economic health of certain developed countries. These concerns primarily stem from heavy indebtedness of many developed countries and their perceived inability to continue to service high debt loads without simultaneously implementing stringent austerity measures. Such concerns have led to tremendous downward pressure on the economies of these countries. As a result, it is possible that interest rates on debt of certain developed countries may rise to levels that make it difficult for such countries to service such debt. Spending on health care and retirement pensions in most developed countries has risen dramatically over the last few years. Medical innovation, extended life expectancy and higher public expectations are likely to continue the increase in health care and pension costs. Any increase in health care and pension costs will likely have a negative impact on the economic growth of many developed countries. Certain developed countries rely on imports of certain key items, such as crude oil, natural gas, and other commodities. As a result, an increase in demand for, or price fluctuations of, certain commodities may negatively affect developed country economies. Developed market countries generally are dependent on the economies of certain key trading partners. Changes in any one economy may cause an adverse impact on several developed countries. In addition, heavy regulation of, among others, labor and product markets may have an adverse effect on certain issuers. Such regulations may negatively affect economic growth or cause prolonged periods of recession. Such risks, among others, may adversely affect the value of a Fund's investments.

**Risk of Investing in Emerging Markets.** Investments in emerging market countries may be subject to greater risks than investments in developed countries. These risks include: (i) less social, political, and economic stability; (ii) greater illiquidity and price volatility due to smaller or limited local capital markets for such securities, or low or non-existent trading volumes; (iii) companies, custodians, clearinghouses, foreign exchanges and broker-dealers may be subject to less scrutiny and regulation by local authorities; (iv) local governments may decide to seize or confiscate securities held by foreign investors and/or local governments may decide to suspend or limit an issuer's ability to make dividend or interest payments; (v) local governments may limit or entirely restrict repatriation of invested capital, profits, and dividends; (vi) capital gains may be subject to local taxation, including on a retroactive basis; (vii) issuers facing restrictions on dollar or euro payments imposed by local governments may attempt to make dividend or interest payments to foreign investors in the local currency; (viii) there may be significant obstacles to obtaining information necessary for investigations into or litigation against companies and investors may experience difficulty in enforcing legal claims related to the securities and/or local judges may favor the interests of the issuer over those of foreign parties; (ix) bankruptcy judgments may only be permitted to be paid in the local currency; (x) limited public information regarding the issuer may result in greater difficulty in determining market valuations of the securities; and (xi) lack of financial reporting on a regular basis, substandard disclosure and differences in accounting standards may make it difficult to ascertain the financial health of an issuer. The Funds are not actively managed and do not select investments based on investor protection considerations.

Emerging market securities markets are typically marked by 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 ownership of such securities by a limited number of investors. In addition, brokerage and other costs associated with transactions in emerging market securities can be higher, sometimes significantly, than similar costs incurred in securities markets in developed countries. Although some emerging markets have become more established and tend to issue securities of higher credit quality, the markets for securities in other emerging market countries are in the earliest stages of their development, and these countries issue securities across the credit spectrum. Even the markets for relatively widely traded securities in emerging market countries may not be able to absorb, without price disruptions, a significant increase in trading volume or trades of a size customarily undertaken by institutional investors in the securities markets of developed countries. The limited size of many of these securities markets can cause prices to be erratic for reasons apart from factors that affect the soundness and competitiveness of the securities issuers. For example, prices may be unduly influenced by traders who control large positions in these markets. Additionally, market making and arbitrage activities are generally less extensive in

such markets, which may contribute to increased volatility and reduced liquidity of such markets. The limited liquidity of emerging market country securities may also affect a Fund's ability to accurately value its portfolio securities or to acquire or dispose of securities at the price and time it wishes to do so or in order to meet redemption requests.

Many emerging market countries suffer from uncertainty and corruption in their legal frameworks. Legislation may be difficult to interpret and laws may be too new to provide any precedential value. Laws regarding foreign investment and private property may be weak or non-existent. Sudden changes in governments may result in policies which are less favorable to investors such as policies designed to expropriate or nationalize "sovereign" assets. Certain emerging market countries in the past have expropriated large amounts of private property, in many cases with little or no compensation, and there can be no assurance that such expropriation will not occur in the future.

Investment in the securities markets of certain emerging market countries is restricted or controlled to varying degrees. These restrictions may limit a Fund's investment in certain emerging market countries and may increase the expenses of the Fund. Certain emerging market countries require governmental approval prior to investments by foreign persons or limit investment by foreign persons to only a specified percentage of an issuer's outstanding securities or a specific class of securities which may have less advantageous terms (including price) than securities of the company available for purchase by nationals.

Many emerging market countries lack the social, political, and economic stability characteristic of the U.S. Political instability among emerging market countries can be common and may be caused by an uneven distribution of wealth, social unrest, labor strikes, civil wars, and religious oppression. Economic instability in emerging market countries may take the form of: (i) high interest rates; (ii) high levels of inflation, including hyperinflation; (iii) high levels of unemployment or underemployment; (iv) changes in government economic and tax policies, including confiscatory taxation; and (v) imposition of trade barriers.

A Fund's income and, in some cases, capital gains from foreign securities will be subject to applicable taxation in certain of the emerging market countries in which it invests, and treaties between the U.S. and such countries may not be available in some cases to reduce the otherwise applicable tax rates.

Emerging markets also have different clearance and settlement procedures, and in certain of these emerging markets there have been times when settlements have been unable to keep pace with the volume of securities transactions, making it difficult to conduct such transactions.

In the past, certain governments in emerging market countries have become overly reliant on the international capital markets and other forms of foreign credit to finance large public spending programs, which in the past have caused huge budget deficits. Often, interest payments have become too overwhelming for a government to meet, representing a large percentage of total GDP. These foreign obligations have become the subject of political debate and served as fuel for political parties of the opposition, which pressure the government not to make payments to foreign creditors, but instead to use these funds for, among other things, social programs. Either due to an inability to pay or submission to political pressure, foreign governments have been forced to seek a restructuring of their loan and/or bond obligations, have declared a temporary suspension of interest payments or have defaulted. These events have adversely affected the values of securities issued by foreign governments and corporations domiciled in those countries and have negatively affected not only their cost of borrowing, but their ability to borrow in the future as well.

**Risk of Investing in Europe.** Investing in European countries may expose a Fund to the economic and political risks associated with Europe in general and the specific European countries in which it invests. The economies and markets of European countries are often closely connected and interdependent, and events in one European country can have an adverse impact on other European countries. A Fund makes investments in securities of issuers that are domiciled in, have significant operations in, or that are listed on at least one securities exchange within member states of the European Union (the "EU"). A number of countries within the EU are also members of the Economic and Monetary Union (the "eurozone") and have adopted the euro as their currency. Eurozone membership requires member states to comply with restrictions on inflation rates, deficits, interest rates, debt levels and fiscal and monetary controls, each of which may significantly affect every country in Europe. Changes in import or export tariffs, changes in governmental or EU regulations on trade, changes in the exchange rate of the euro and other currencies of certain EU countries which are not in the eurozone, the default or threat of default by an EU member state on its sovereign debt, and/or an economic recession in an EU member state may have a significant adverse effect on the economies of other EU member states and their trading partners. Although certain European countries are not in the eurozone, many of these countries are obliged to meet the criteria for joining the eurozone.

Consequently, these countries must comply with many of the restrictions noted above. The European financial markets have experienced volatility and adverse trends due to concerns about economic downturns, rising government debt levels and the possible default of government debt in several European countries, including, but not limited to, Austria, Belgium, Cyprus, France, Greece, Ireland, Italy, Portugal, Spain and Ukraine. In order to prevent further economic deterioration, certain countries, without prior warning, can institute “capital controls.” Countries may use these controls to restrict volatile movements of capital entering and exiting their country. Such controls may negatively affect a Fund’s investments. A default or debt restructuring by any European country would adversely impact holders of that country’s debt and sellers of credit default swaps linked to that country’s creditworthiness, which may be located in countries other than those listed above. In addition, the credit ratings of certain European countries were downgraded in the past. These events have adversely affected the value and exchange rate of the euro and may continue to significantly affect the economies of every country in Europe, including countries that do not use the euro and non-EU member states. Responses to the financial problems by European governments, central banks and others, including austerity measures and reforms, may not produce the desired results, may result in social unrest and may limit future growth and economic recovery or have other unintended consequences. Further defaults or restructurings by governments and other entities of their debt could have additional adverse effects on economies, financial markets and asset valuations around the world. In addition, one or more countries may abandon the euro and/or withdraw from the EU. The impact of these actions, especially if they occur in a disorderly fashion, is not clear but could be significant and far-reaching and could adversely impact the value of a Fund’s investments in the region. The U.K. left the EU (“Brexit”) on January 31, 2020, subject to a transitional period ending December 31, 2020. During the transitional period, although the U.K. is no longer a member state of the EU, it remains subject to EU law and regulations as if it were still a member state. The U.K. and the EU are to negotiate the terms of their future trading relationship during the transitional period. Accordingly, the terms of such trading relationship remain uncertain. The outcome of such negotiations may give rise to significant uncertainties and instability in the financial markets as the U.K. negotiates the terms of its future relationship with the EU. A Fund will face risks associated with the potential uncertainty and consequences leading up to and that may follow Brexit, including with respect to volatility in exchange rates and interest rates. Brexit could adversely affect European or worldwide political, regulatory, economic or market conditions and could contribute to instability in global political institutions, regulatory agencies and financial markets. Brexit has also led to legal uncertainty and could lead to politically divergent national laws and regulations as a new relationship between the U.K. and EU is defined and the U.K. determines which EU laws to replace or replicate. Any of these effects of Brexit could adversely affect any of the companies to which a Fund has exposure and any other assets in which a Fund invests. The political, economic and legal consequences of Brexit are not yet fully known. In the short term, financial markets may experience heightened volatility, particularly those in the U.K. and Europe, but possibly worldwide. The U.K. and Europe may be less stable than they have been in recent years, and investments in the U.K. and the EU may be difficult to value, or subject to greater or more frequent volatility. In the longer term, there is likely to be a period of significant political, regulatory and commercial uncertainty as the U.K. seeks to negotiate its long-term exit from the EU and the terms of its future trading relationships.

Certain European countries have also developed increasingly strained relationships with the U.S., and if these relations were to worsen, they could adversely affect European issuers that rely on the U.S. for trade. Secessionist movements, such as the Catalan movement in Spain and the independence movement in Scotland, as well as governmental or other responses to such movements, may also create instability and uncertainty in the region. In addition, the national politics of countries in the EU have been unpredictable and subject to influence by disruptive political groups and ideologies. The governments of EU countries may be subject to change and such countries may experience social and political unrest. Unanticipated or sudden political or social developments may result in sudden and significant investment losses. The occurrence of terrorist incidents throughout Europe also could impact financial markets. The impact of these events is not clear but could be significant and far-reaching and could adversely affect the value and liquidity of a Fund’s investments.

**Risk of Investing in Japan.** Japan may be subject to political, economic, nuclear, labor and other risks. Any of these risks, individually or in the aggregate, can impact an investment made in Japan.

*Economic Risk.* The growth of Japan’s economy has recently lagged that of its Asian neighbors and other major developed economies. Since 2000, Japan’s economic growth rate has generally remained low relative to other advanced economies, and it may remain low in the future. The Japanese economy is heavily dependent on international trade and has been adversely affected by trade tariffs, other protectionist measures, competition from emerging economies and the economic conditions of its trading partners. Japan is also heavily dependent on oil imports, and higher commodity prices could therefore have a negative impact on the Japanese economy.

*Political Risk.* Historically, Japan has had unpredictable national politics and may experience frequent political turnover. Future political developments may lead to changes in policy that might adversely affect a Fund's investments. In addition, China has become an important trading partner with Japan. Japan's political relationship with China, however, has been strained. Should political tension increase, it could adversely affect the Japanese economy and destabilize the region as a whole.

*Large Government and Corporate Debt Risk.* The Japanese economy faces several concerns, including a financial system with large levels of nonperforming loans, over-leveraged corporate balance sheets, extensive cross-ownership by major corporations, a changing corporate governance structure, and large government deficits. These issues may cause a slowdown of the Japanese economy.

*Currency Risk.* The Japanese yen has fluctuated widely at times and any increase in its value may cause a decline in exports that could weaken the Japanese economy. Japan has, in the past, intervened in the currency markets to attempt to maintain or reduce the value of the yen. Japanese intervention in the currency markets could cause the value of the yen to fluctuate sharply and unpredictably and could cause losses to investors.

*Labor Risk.* Japan has an aging workforce and has experienced a significant population decline in recent years. Japan's labor market appears to be undergoing fundamental structural changes, as a labor market traditionally accustomed to lifetime employment adjusts to meet the need for increased labor mobility, which may adversely affect Japan's economic competitiveness.

*Geographic Risk.* Natural disasters, such as earthquakes, volcanic eruptions, typhoons and tsunamis, could occur in Japan or surrounding areas and could negatively affect the Japanese economy, and, in turn, could negatively affect a Fund.

*Security Risk.* Japan's relations with its neighbors, particularly China, North Korea, South Korea and Russia, have at times been strained due to territorial disputes, historical animosities and defense concerns. Most recently, the Japanese government has shown concern over the increased nuclear and military activity by North Korea and China. Strained relations may cause uncertainty in the Japanese markets and adversely affect the overall Japanese economy, particularly in times of crisis.

**Risk of Investing in the Middle East.** Many Middle Eastern countries have little or no democratic tradition, and the political and legal systems in such countries may have an adverse impact on a Fund. Many economies in the Middle East are highly reliant on income from the sale of oil and natural gas or trade with countries involved in the sale of oil and natural gas, and their economies are therefore vulnerable to changes in the market for oil and natural gas and foreign currency values. As global demand for oil and natural gas fluctuates, many Middle Eastern economies may be significantly impacted.

In addition, many Middle Eastern governments have exercised and continue to exercise substantial influence over many aspects of the private sector. In certain cases, a Middle Eastern country's government may own or control many companies, including some of the largest companies in the country. Accordingly, governmental actions in the future could have a significant effect on economic conditions in Middle Eastern countries. This could affect private sector companies and a Fund, as well as the value of securities in the Fund's portfolio.

Certain Middle Eastern markets are in the earliest stages of development. As a result, there may be 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. Brokers in Middle Eastern countries typically are fewer in number and less capitalized than brokers in the U.S.

The legal systems in certain Middle Eastern countries also may have an adverse impact on a Fund. For example, the potential liability of a shareholder in a U.S. corporation with respect to acts of the corporation generally is limited to the amount of the shareholder's investment. However, the notion of limited liability is less clear in certain Middle Eastern countries. A Fund therefore may be liable in certain Middle Eastern countries for the acts of a corporation in which it invests for an amount greater than its actual investment in that corporation. Similarly, the rights of investors in Middle Eastern issuers may be more limited than those of shareholders of a U.S. corporation. It may be difficult or impossible to obtain or enforce a legal judgment in a Middle Eastern country. Some Middle Eastern countries prohibit or impose substantial restrictions on investments in their capital markets, particularly their equity markets, by foreign entities such as a Fund. For example, certain countries may require governmental approval prior to investment by foreign persons or limit the amount of investment by foreign persons in a particular issuer. Certain Middle Eastern countries may also limit investment by foreign persons to only a specific class of securities of an issuer that may have less advantageous terms (including price) than securities of the issuer available for purchase by nationals of the relevant Middle Eastern country.

The manner in which foreign investors may invest in companies in certain Middle Eastern countries, as well as limitations on those investments, may have an adverse impact on the operations of a Fund. For example, in certain of these countries, a Fund may be required to invest initially through a local broker or other entity and then have the shares that were purchased re-registered in the name of a Fund. Re-registration in some instances may not be possible on a timely basis. This may result 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 already been filled and, consequently, a Fund may not be able to invest in the relevant company.

Substantial limitations may exist in certain Middle Eastern countries with respect to a Fund's ability to repatriate investment income or capital gains. 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 a Fund of any restrictions on investment.

Certain Middle Eastern countries may be heavily dependent upon international trade and, consequently, have been and may continue to be negatively affected by trade barriers, exchange controls, managed adjustments in relative currency values and other protectionist measures imposed or negotiated by the countries with which they trade. These countries also have been and may continue to be adversely impacted by economic conditions in the countries with which they trade. In addition, certain issuers located in Middle Eastern countries in which a Fund invests may operate in, or have dealings with, countries subject to sanctions and/or embargoes imposed by the U.S. government and the United Nations, and/or countries identified by the U.S. government as state sponsors of terrorism. As a result, an issuer may sustain damage to its reputation if it is identified as an issuer which operates in, or has dealings with, such countries. A Fund, as an investor in such issuers, will be indirectly subject to those risks.

Certain Middle Eastern countries have strained relations with other Middle Eastern countries due to territorial disputes, historical animosities, international alliances, defense concerns or other reasons, which may adversely affect the economies of these Middle Eastern countries. Certain Middle Eastern countries experience significant unemployment, as well as widespread underemployment. There has also been a recent increase in recruitment efforts and an aggressive push for territorial control by terrorist groups in the region, which has led to an outbreak of warfare and hostilities. Warfare in Syria has spread to surrounding areas, including many portions of Iraq and Turkey. Such hostilities may continue into the future or may escalate at any time due to ethnic, racial, political, religious or ideological tensions between groups in the region or foreign intervention or lack of intervention, among other factors.

**Risk of Investing in North America.** A decrease in imports or exports, changes in trade regulations or an economic recession in any North American country can have a significant economic effect on the entire North American region and on some or all of the North American countries in which a Fund invests.

The U.S. is Canada's and Mexico's largest trading and investment partner. The Canadian and Mexican economies are significantly affected by developments in the U.S. economy. Since the implementation of NAFTA in 1994 among Canada, the U.S. and Mexico, total merchandise trade among the three countries has increased. However, political developments including the implementation of tariffs by the U.S., and the renegotiation of NAFTA in the form of the United States-Mexico-Canada Agreement ("USMCA"), which will replace NAFTA on or around July 1, 2020, could negatively affect North America's economic outlook and, as a result, the value of securities held by a Fund. Policy and legislative changes in one country may have a significant effect on North American markets generally, as well as on the value of certain securities held by a Fund.

**U.S. Economic Trading Partners Risk.** The U.S. is a significant, and in some cases the most significant, trading partner of, or foreign investor in, the country or countries in which a Fund invests. As a result, economic conditions of such countries may be particularly affected by changes in the U.S. economy. The U.S. economy has recently experienced very difficult conditions and increased volatility, as well as significant adverse trends. While government intervention and recent legislation has been enacted to improve the U.S. economy, the recovery has been fragile and modest. A decrease in U.S. imports or exports, new trade and financial regulations or tariffs, changes in the U.S. dollar exchange rate or an economic slowdown in the U.S. may have a material adverse effect on a country's economic conditions and, as a result, securities to which a Fund has exposure.

**Risk of Investing in the Aerospace and Defense Industry.** The aerospace and defense industry can be significantly affected by government defense and aerospace regulation and spending policies. The aerospace industry in particular has recently been affected by adverse economic conditions and consolidation within the industry.



**Risk of Investing in the Basic Materials Industry.** Issuers in the basic materials industry could be adversely affected by commodity price volatility, exchange rate fluctuations, social and political unrest, import controls and increased competition. Companies in the basic materials industry may be subject to swift fluctuations in supply and demand. Fluctuations may be caused by events relating to political and economic developments, the environmental impact of basic materials operations, and the success of exploration projects. Production of industrial materials often exceeds demand as a result of over-building or economic downturns, leading to poor investment returns. Issuers in the basic materials industry are at risk for environmental damage and product liability claims and may be adversely affected by depletion of resources, delays in technical progress, labor relations, tax and government regulations related to changes to, among other things, energy and environmental policies.

**Risk of Investing in the Biotechnology Industry.** Biotechnology companies depend on the successful development of new and proprietary technologies. There can be no assurance that the development of new technologies will be successful or that intellectual property rights will be obtained with respect to new technologies. The loss or impairment of intellectual property rights may adversely affect the profitability of biotechnology companies. In addition, companies in the biotechnology industry spend heavily on research and development and their products or services may not prove commercially successful or may become obsolete quickly. The risks of high development costs may be exacerbated by the inability to raise prices as a result of managed care pressure, government regulation or price controls. Biotechnology companies can suffer persistent losses during the transition of new products from development to production or when products are or may be subject to regulatory approval processes or regulatory scrutiny and, as a consequence, the earnings of biotechnology companies may be erratic. Companies in the biotechnology industry are also exposed to the risk that they will be subject to products liability claims. Companies involved in the biotechnology industry may be subject to extensive government regulations by the U.S. Food and Drug Administration, the U.S. Environmental Protection Agency and the U.S. Department of Agriculture, among other foreign and domestic regulators. Such regulation may significantly affect and limit biotechnology research, product development and approval of products.

**Risk of Investing in the Capital Goods Industry.** Companies in the capital goods industry may be affected by fluctuations in the business cycle and by other factors affecting manufacturing demands. Companies in the capital goods industry depend heavily on corporate spending. Companies in the capital goods industry may perform well during times of economic expansion, and as economic conditions worsen, the demand for capital goods may decrease due to weakening demand, worsening business cash flows, tighter credit controls and deteriorating profitability. During times of economic volatility, corporate spending may fall and adversely affect the capital goods industry. This industry may also be affected by changes in interest rates, corporate tax rates and other government policies. Many capital goods are sold internationally and such companies are subject to market conditions in other countries and regions.

**Risk of Investing in the Chemicals Industry.** The success of companies in the chemicals industry can be significantly affected by intense competition, product obsolescence, raw materials prices, and government regulation. As regulations are developed and enforced, chemicals companies could be required to alter or cease production of a product, pay fines, pay for cleaning up a disposal site or agree to restrictions on their operations. In addition, chemicals companies may be subject to risks associated with production, handling, and disposal, as some of the materials and processes used by these companies involve hazardous components.

**Risk of Investing in the Clean Energy Sub-Industry.** Many clean energy companies are involved in the development and commercialization of new technologies, which may be subject to delays resulting from budget constraints and technological difficulties. Clean energy companies may be highly dependent upon government subsidies and contracts with government entities, and may be negatively affected if such subsidies or contracts are unavailable. Clean energy companies may depend on the successful development of new and proprietary technologies. There can be no assurance that the development of new technologies will be successful or that intellectual property rights will be obtained with respect to new technologies. The loss or impairment of intellectual property rights may adversely affect the profitability of clean energy companies. In addition, seasonal weather conditions, fluctuations in supply of, and demand for, clean energy products, changes in energy prices, international political events, the success of project development and change in government regulatory policies may cause fluctuations in the performance of clean energy companies and the prices of their securities.

**Risk of Investing in the Communication Services Sector.** The communication services sector consists of both companies in the telecommunication services industry as well as those in the media and entertainment industry. Examples of companies in the telecommunication services industry group include providers of fiber-optic, fixed-line, cellular and wireless telecommunications networks. Companies in the media and entertainment industry group encompass a variety of services

and products including television broadcasting, gaming products, social media, networking platforms, online classifieds, online review websites, and Internet search engines. Companies in the communication services sector may be affected by industry competition, substantial capital requirements, government regulation, and obsolescence of communications products and services due to technological advancement. Fluctuating domestic and international demand, shifting demographics and often unpredictable changes in consumer tastes can drastically affect a communication services company's profitability. In addition, while all companies may be susceptible to network security breaches, certain companies in the communication services sector may be particular targets of hacking and potential theft of proprietary or consumer information or disruptions in service, which could have a material adverse effect on their businesses.

The communication services sector of a country's economy is often subject to extensive government regulation. The costs of complying with governmental regulations, delays or failure to receive required regulatory approvals, or the enactment of new regulatory requirements may negatively affect the business of communications companies. Government actions around the world, specifically in the area of pre-marketing clearance of products and prices, can be arbitrary and unpredictable. The communications services industry can also be significantly affected by intense competition for market share, including competition with alternative technologies such as wireless communications, product compatibility and standardization, consumer preferences, rapid product obsolescence, research and development of new products, lack of standardization or compatibility with existing technologies, and a dependency on patent and copyright protections. Companies in the communication services sector may encounter distressed cash flows due to the need to commit substantial capital to meet increasing competition, particularly in developing new products and services using new technology. Technological innovations may make the products and services of certain communications companies obsolete.

Telecommunications providers with exposure to the U.S. are generally required to obtain franchises or licenses in order to provide services in a given location. Licensing and franchise rights in the telecommunications sector are limited, which may provide an advantage to certain participants. Limited availability of such rights, high barriers to market entry and regulatory oversight, among other factors, have led to consolidation of companies within the sector, which could lead to further regulation or other negative effects in the future. Telecommunication providers investing in non-U.S. countries may be subject to similar risks. Additional risks include those related to competitive challenges in the U.S. from non-U.S. competitors engaged in strategic joint ventures with U.S. companies and in non-U.S. markets from both U.S. and non-U.S. competitors.

Companies in the media and entertainment industries can be significantly affected by several factors, including competition, particularly in formulation of products and services using new technologies, cyclicity of revenues and earnings, a potential decrease in the discretionary income of targeted individuals, changing consumer tastes and interests, and the potential increase in government regulation. Companies in the media and entertainment industries may become obsolete quickly. Advertising spending can be an important revenue source for media and entertainment companies. During economic downturns advertising spending typically decreases and, as a result, media and entertainment companies tend to generate less revenue.

**Risk of Investing in the Consumer Discretionary Sector.** Companies engaged in the design, production or distribution of products or services for the consumer discretionary sector (including, without limitation, television and radio broadcasting, manufacturing, publishing, recording and musical instruments, motion pictures, photography, amusement and theme parks, gaming casinos, sporting goods and sports arenas, camping and recreational equipment, toys and games, apparel, travel-related services, automobiles, hotels and motels, and fast food and other restaurants) are subject to the risk that their products or services may become obsolete quickly. The success of these companies can depend heavily on disposable household income and consumer spending. During periods of an expanding economy, the consumer discretionary sector may outperform the consumer staples sector, but may underperform when economic conditions worsen. Moreover, the consumer discretionary sector can be significantly affected by several factors, including, without limitation, the performance of domestic and international economies, exchange rates, changing consumer preferences, demographics, marketing campaigns, cyclical revenue generation, consumer confidence, commodity price volatility, labor relations, interest rates, import and export controls, intense competition, technological developments and government regulation.

**Risk of Investing in the Consumer Goods Industry.** Companies in the consumer goods industry include companies involved in the design, production or distribution of goods for consumers, including food, household, home, personal and office products, clothing and textiles. The success of the consumer goods industry is tied closely to the performance of the domestic and international economy, interest rates, exchange rates, competition, consumer confidence and consumer disposable income. The consumer goods industry may be affected by trends, marketing campaigns and other factors affecting consumer demand. Governmental regulation affecting the use of various food additives may affect the profitability

of certain companies in the consumer goods industry. Moreover, international events may affect food and beverage companies that derive a substantial portion of their net income from foreign countries. In addition, tobacco companies may be adversely affected by new laws, regulations and litigation. Many consumer goods may be marketed globally, and consumer goods companies may be affected by the demand and market conditions in other countries and regions. Companies in the consumer goods industry may be subject to severe competition, which may also have an adverse impact on their profitability. Changes in demographics and consumer preferences may affect the success of consumer products.

**Risk of Investing in the Consumer Services Industry.** The success of firms in the consumer services industry and certain retailers (including food and beverage, general retailers, media, and travel and leisure) is tied closely to the performance of the domestic and international economy, interest rates, exchange rates, competition and consumer confidence. The consumer services industry depends heavily on disposable household income and consumer spending. Companies in the consumer services industry may be subject to severe competition, which may also have an adverse impact on their profitability. Companies in the consumer services industry are facing increased government and regulatory scrutiny and may be subject to adverse government or regulatory action. Changes in demographics and consumer preferences may affect the success of consumer service providers.

**Risk of Investing in the Consumer Staples Sector.** Companies in the consumer staples sector may be adversely affected by changes in the global economy, consumer spending, competition, demographics and consumer preferences, and production spending. Companies in the consumer staples sector may also be affected by changes in global economic, environmental and political events, economic conditions, the depletion of resources, and government regulation. For instance, government regulations may affect the permissibility of using various food additives and production methods of companies that make food products, which could affect company profitability. In addition, tobacco companies may be adversely affected by the adoption of proposed legislation and/or by litigation. Companies in the consumer staples sector also may be subject to risks pertaining to the supply of, demand for and prices of raw materials. The prices of raw materials fluctuate in response to a number of factors, including, without limitation, changes in government agricultural support programs, exchange rates, import and export controls, changes in international agricultural and trading policies, and seasonal and weather conditions. Companies in the consumer staples sector may be subject to severe competition, which may also have an adverse impact on their profitability.

**Risk of Investing in the Energy Sector.** Companies in the energy sector are strongly affected by the levels and volatility of global energy prices, energy supply and demand, government regulations and policies, energy production and conservation efforts, technological change, development of alternative energy sources, and other factors that they cannot control. These companies may also lack resources and have limited business lines. Energy companies may have relatively high levels of debt and may be more likely to restructure their businesses if there are downturns in certain energy markets or in the global economy. If an energy company in a Fund's portfolio becomes distressed, a Fund could lose all or a substantial portion of its investment.

The energy sector is cyclical and is highly dependent on commodity prices; prices and supplies of energy may fluctuate significantly over short and long periods of time due to, among other things, national and international political changes, Organization of Petroleum Exporting Countries ("OPEC") policies, changes in relationships among OPEC members and between OPEC and oil-importing nations, the regulatory environment, taxation policies, and the economy of the key energy-consuming countries. Commodity prices have recently been subject to increased volatility and declines, which may negatively affect companies in which a Fund invests.

Companies in the energy sector may be adversely affected by terrorism, natural disasters or other catastrophes. Companies in the energy sector are at risk of civil liability from accidents resulting in injury, loss of life or property, pollution or other environmental damage claims. Disruptions in the oil industry or shifts in fuel consumption may significantly impact companies in this sector. Significant oil and gas deposits are located in emerging markets countries where corruption and security may raise significant risks, in addition to the other risks of investing in emerging markets. Additionally, the Middle East, where many companies in the energy sector may operate, has historically and recently experienced widespread social unrest.

Companies in the energy sector may also be adversely affected by changes in exchange rates, interest rates, economic conditions, tax treatment, government regulation and intervention, negative perception, efforts at energy conservation and world events in the regions in which the companies operate (e.g., expropriation, nationalization, confiscation of assets and property or the imposition of restrictions on foreign investments and repatriation of capital, military coups, social unrest,



violence or labor unrest). Because a significant portion of revenues of companies in this sector is derived from a relatively small number of customers that are largely composed of governmental entities and utilities, governmental budget constraints may have a significant impact on the stock prices of companies in this sector. The energy sector is highly regulated. Entities operating in the energy sector are subject to significant regulation of nearly every aspect of their operations by governmental agencies. Such regulation can change rapidly or over time in both scope and intensity. Stricter laws, regulations or enforcement policies could be enacted in the future which would likely increase compliance costs and may materially adversely affect the financial performance of companies in the energy sector.

**Risk of Investing in the Financials Sector.** Companies in the financials sector include regional and money center banks, securities brokerage firms, asset management companies, savings banks and thrift institutions, specialty finance companies (e.g., credit card, mortgage providers), insurance and insurance brokerage firms, consumer finance firms, financial conglomerates and foreign banking and financial companies.

Most financial companies are subject to extensive governmental regulation, which limits their activities and may affect their ability to earn a profit from a given line of business. Government regulation may change frequently and may have significant adverse consequences for companies in the financials sector, including effects not intended by the regulation. Direct governmental intervention in the operations of financial companies and financial markets may materially and adversely affect the companies in which a Fund invests, including legislation in many countries that may increase government regulation, repatriation and other intervention. The impact of governmental intervention and legislative changes on any individual financial company or on the financials sector as a whole cannot be predicted. The valuation of financial companies has been and continues to be subject to unprecedented volatility and may be influenced by unpredictable factors, including interest rate risk and sovereign debt default. Certain financial businesses are subject to intense competitive pressures, including market share and price competition. Financial companies in foreign countries are subject to market specific and general regulatory and interest rate concerns. In particular, government regulation in certain foreign countries may include taxes and controls on interest rates, credit availability, minimum capital requirements, bans on short sales, limits on prices and restrictions on currency transfers. In addition, companies in the financials sector may be the targets of hacking and potential theft of proprietary or customer information or disruptions in service, which could have a material adverse effect on their businesses.

The profitability of banks, savings and loan associations and financial companies is largely dependent on the availability and cost of capital funds and can fluctuate significantly when interest rates change; for instance, when interest rates go up, the value of securities issued by many types of companies in the financials sector generally goes down. In other words, financial companies may be adversely affected in certain market cycles, including, without limitation, during periods of rising interest rates, which may restrict the availability and increase the cost of capital, and during periods of declining economic conditions, which may cause, among other things, credit losses due to financial difficulties of borrowers.

In addition, general economic conditions are important to the operations of these companies, and financial difficulties of borrowers may have an adverse effect on the profitability of financial companies. Financial companies can be highly dependent upon access to capital markets, and any impediments to such access, such as adverse overall economic conditions or a negative perception in the capital markets of a financial company's financial condition or prospects, could adversely affect its business. Deterioration of credit markets can have an adverse impact on a broad range of financial markets, causing certain financial companies to incur large losses. In these conditions, companies in the financials sector may experience significant declines in the valuation of their assets, take actions to raise capital and even cease operations. Some financial companies may also be required to accept or borrow significant amounts of capital from government sources and may face future government-imposed restrictions on their businesses or increased government intervention. In addition, there is no guarantee that governments will provide any such relief in the future. These actions may cause the securities of many companies in the financials sector to decline in value.

**Risk of Investing in the Healthcare Sector.** Companies in the healthcare sector are often issuers whose profitability may be affected by extensive government regulation, restrictions on government reimbursement for medical expenses, rising or falling costs of medical products and services, pricing pressure, an increased emphasis on outpatient services, a limited number of products, industry innovation, changes in technologies and other market developments. Many healthcare companies are heavily dependent on patent protection and the actual or perceived safety and efficiency of their products.

Patents have a limited duration, and, upon expiration, other companies may market substantially similar "generic" products that are typically sold at a lower price than the patented product, which can cause the original developer of the product to

lose market share and/or reduce the price charged for the product, resulting in lower profits for the original developer. As a result, the expiration of patents may adversely affect the profitability of these companies.

In addition, because the products and services of many companies in the healthcare sector affect the health and well-being of many individuals, these companies are especially susceptible to extensive litigation based on product liability and similar claims. Healthcare companies are subject to competitive forces that may make it difficult to raise prices and, in fact, may result in price discounting. Many new products in the healthcare sector may be subject to regulatory approvals. The process of obtaining such approvals may be long and costly, which can result in increased development costs, delayed cost recovery and loss of competitive advantage to the extent that rival companies have developed competing products or procedures, adversely affecting the company's revenues and profitability. In other words, delays in the regulatory approval process may diminish the opportunity for a company to profit from a new product or to bring a new product to market, which could have a material adverse effect on a company's business. Healthcare companies may also be strongly affected by scientific biotechnology or technological developments, and their products may quickly become obsolete. Also, many healthcare companies offer products and services that are subject to governmental regulation and may be adversely affected by changes in governmental policies or laws. Changes in governmental policies or laws may span a wide range of topics, including cost control, national health insurance, incentives for compensation in the provision of healthcare services, tax incentives and penalties related to healthcare insurance premiums, and promotion of prepaid healthcare plans. In addition, a number of legislative proposals concerning healthcare have been considered by the U.S. Congress in recent years. It is unclear what proposals will ultimately be enacted, if any, and what effect they may have on companies in the healthcare sector.

Additionally, the expansion of facilities by healthcare-related providers may be subject to "determinations of need" by certain government authorities. This process not only generally increases the time and costs involved in these expansions, but also makes expansion plans uncertain, limiting the revenue and profitability growth potential of healthcare-related facilities operators and negatively affecting the prices of their securities. Moreover, in recent years, both local and national governmental budgets have come under pressure to reduce spending and control healthcare costs, which could both adversely affect regulatory processes and public funding available for healthcare products, services and facilities.

**Risk of Investing in the Home Construction Industry.** The home construction industry may be significantly affected by changes in government spending, zoning laws, economic conditions, interest rates, commodity prices, consumer confidence and spending, taxation, demographic patterns, real estate values, overbuilding, housing starts, and new and existing home sales. Rising interest rates, reductions in mortgage availability to consumers, increasing foreclosure rates or increases in the costs of owning a home could reduce the market for new homes and adversely affect the profitability of home construction companies. Different segments of the home construction industry can be significantly affected by environmental clean-up costs and catastrophic events such as earthquakes, hurricanes and terrorist acts. Home construction companies may lack diversification, due to ownership of a limited number of properties and concentration in a particular geographic region or property type.

**Risk of Investing in the Hotel & Lodging REITs Sub-Industry.** Hotel and lodging properties are management and labor intensive and particularly susceptible to the impact of general and local economic conditions. Unlike other types of properties, to meet competition in the industry, to maintain franchise standards, or to maintain economic values, continuing expenditures must be made for modernizing, refurbishing, and maintaining existing facilities prior to the expiration of their anticipated useful lives. If such expenditures are not made, the value and profitability of the hotels may be diminished. In addition, inflationary pressures could increase operating expenses of the hotels, including energy costs, above expected levels, and have secondary effects upon occupancy rates in such hotels by increasing the expense or decreasing the availability of means of travel. All of the factors noted above may contribute to producing operating results of wider variation than for other types of properties.

**Risk of Investing in the Industrials Sector.** The value of securities issued by companies in the industrials sector may be adversely affected by supply of and demand for both their specific products or services and for industrials sector products in general. The products of manufacturing companies may face obsolescence due to rapid technological developments and frequent new product introduction. Government regulations, trade disputes, world events and economic conditions may affect the performance of companies in the industrials sector. The industrials sector may also be adversely affected by changes or trends in commodity prices, which may be influenced by unpredictable factors. Aerospace and defense companies, a component of the industrials sector, can be significantly affected by government spending policies because companies involved in this industry rely, to a significant extent, on government demand for their products and services. Thus, the financial condition of, and investor interest in, aerospace and defense companies are heavily influenced by governmental

defense spending policies, which are typically under pressure from efforts to control government budgets. Transportation stocks, a component of the industrials sector, are cyclical and can be significantly affected by economic changes, fuel prices, labor relations and insurance costs. Transportation companies in certain countries may also be subject to significant government regulation and oversight, which may adversely affect their businesses. For example, commodity price declines and unit volume reductions resulting from an over-supply of materials used in the industrials sector can adversely affect the sector. Furthermore, companies in the industrials sector may be subject to liability for environmental damage, product liability claims, depletion of resources, and mandated expenditures for safety and pollution control.

**Risk of Investing in the Information Technology Sector.** Information technology companies face intense competition, both domestically and internationally, which may have an adverse effect on profit margins. Like other technology companies, information technology companies may have limited product lines, markets, financial resources or personnel. The products of information technology companies may face product obsolescence due to rapid technological developments and frequent new product introduction, unpredictable changes in growth rates and competition for the services of qualified personnel. Technology companies and companies that rely heavily on technology, especially those of smaller, less-seasoned companies, tend to be more volatile than the overall market. Companies in the information technology sector are heavily dependent on patent and intellectual property rights. The loss or impairment of these rights may adversely affect the profitability of these companies. Information technology companies are facing increased government and regulatory scrutiny and may be subject to adverse government or regulatory action. Finally, while all companies may be susceptible to network security breaches, certain companies in the information technology sector may be particular targets of hacking and potential theft of proprietary or consumer information or disruptions in service, which could have a material adverse effect on their businesses. These risks are heightened for information technology companies in foreign markets.

**Risk of Investing in the Infrastructure Industry.** Companies in the infrastructure industry may be subject to a variety of factors that could adversely affect their business or operations, including high interest costs in connection with capital construction programs, high degrees of leverage, costs associated with governmental, environmental and other regulations, the effects of economic slowdowns, increased competition from other providers of services, uncertainties concerning costs, the level of government spending on infrastructure projects, and other factors. Infrastructure companies may be adversely affected by commodity price volatility, changes in exchange rates, import controls, depletion of resources, technological developments, and labor relations. There is also the risk that corruption may negatively affect publicly funded infrastructure projects, especially in emerging markets, resulting in delays and cost overruns. Infrastructure issuers can be significantly affected by government spending policies because companies involved in this industry rely to a significant extent on U.S. and other government demand for their products.

Infrastructure companies in the oil and gas industry may be adversely affected by government regulation or world events in the regions where the companies operate (e.g., expropriation, nationalization, confiscation of assets and property or the imposition of restrictions on foreign investments and repatriation of capital, military coups, social unrest, violence or labor unrest). Infrastructure companies may have significant capital investments in, or engage in transactions involving, emerging market countries, which may heighten these risks.

*Operations Risk.* The failure of an infrastructure company to carry adequate insurance or to operate its assets appropriately could lead to significant losses. Infrastructure may be adversely affected by environmental clean-up costs and catastrophic events such as earthquakes, hurricanes and terrorist acts.

*Customer Risk.* Infrastructure companies can be dependent upon a narrow customer base. Additionally, if these customers fail to pay their obligations, significant revenues could be lost and may not be replaceable.

*Regulatory Risk.* Infrastructure companies may be subject to significant regulation by various governmental authorities and also may be affected by regulation of rates charged to customers, service interruption due to environmental, operational or other events, the imposition of special tariffs and changes in tax laws, regulatory policies and accounting standards.

*Strategic Asset Risk.* Infrastructure companies may control significant strategic assets (e.g., major pipelines or highways), which are assets that have a national or regional profile, and may have monopolistic characteristics. Given their national or regional profile or irreplaceable nature, strategic assets could generate additional risk not common in other industry sectors and they may be targeted for terrorist acts or adverse political actions.

*Interest Rate Risk.* Rising interest rates could result in higher costs of capital for infrastructure companies, which could negatively impact their ability to meet payment obligations.

**Leverage Risk.** Infrastructure companies can be highly leveraged, which increases investments risk and other risks normally associated with debt financing and could adversely affect an infrastructure company's operations and market value in periods of rising interest rates.

**Inflation Risk.** Many infrastructure companies may have fixed income streams. Consequently, their market values may decline in times of higher inflation. Additionally, the prices that an infrastructure company is able to charge users of its assets may be linked to inflation, whether by government regulation, contractual arrangement or other factors. In this case, changes in the rate of inflation may affect the company's profitability.

**Transportation Risk.** The stock prices of companies in the transportation industry group are affected by both supply and demand for their specific product. Government regulation, world events and economic conditions may affect the performance of companies in the transportation industry group.

**Oil and Gas Risk.** The profitability of oil and gas companies is related to worldwide energy prices, exploration, and production spending.

**Utilities Risk.** Utilities companies face intense competition, both domestically and internationally, which may have an adverse effect on their profit margins. The rates charged by regulated utility companies are subject to review and limitation by governmental regulatory commissions.

**Risk of Investing in the Insurance Industry.** The insurance industry is subject to extensive government regulation in some countries and can be significantly affected by changes in interest rates, general economic conditions, price and marketing competition, the imposition of premium rate caps or other changes in government regulation or tax law. Different segments of the insurance industry can be significantly affected by changes in mortality and morbidity rates, environmental clean-up costs and catastrophic events such as earthquakes, hurricanes and terrorist acts.

**Risk of Investing in the Materials Sector.** Companies in the materials sector may be adversely affected by commodity price volatility, exchange rate fluctuations, social and political unrest, import controls, increased competition, depletion of resources, technical progress, labor relations and government regulations, and mandated expenditures for safety and pollution control, among other factors. Such risks may adversely affect the issuers to which a Fund has exposure. Companies in the materials sector are also at risk of liability for environmental damage and product liability claims. Production of materials may exceed demand as a result of market imbalances or economic downturns, leading to poor investment returns. These risks are heightened for companies in the materials sector located in foreign markets.

**Risk of Investing in the Medical Equipment Industry.** Many companies in the medical equipment industry are heavily dependent on patent protection, and the expiration of patents may adversely affect the profitability of these companies. Companies in the medical equipment industry may be subject to extensive litigation based on product liability and similar claims as well as competitive forces that may make it difficult to raise prices and, in fact, may result in price discounting. The profitability of some medical equipment companies may be dependent on a relatively limited number of products. In addition, their products can become obsolete due to industry innovation, changes in technologies or other market developments. Many new products in the medical equipment industry are subject to regulatory approvals, and the process of obtaining such approvals is long and costly.

**Risk of Investing in Mortgage Real Estate Investment Trusts.** Mortgage REITs lend money to developers and owners of properties and invest primarily in mortgages and similar real estate interests. The mortgage REITs receive interest payments from the owners of the mortgaged properties. Accordingly, mortgage REITs are subject to the credit risk of the borrowers to whom they extend funds. Credit risk is the risk that the borrower will not be able to make timely interest and principal payments on the loan to the REIT. Mortgage REITs also are subject to the risk that the value of mortgaged properties may be less than the amounts owed on the properties. If a mortgage REIT is required to foreclose on a borrower, the amount recovered in connection with the foreclosure may be less than the amount owed to the mortgage REIT.

Mortgage REITs are subject to significant interest rate risk. During periods when interest rates are declining, mortgages are often refinanced or prepaid. Refinancing or prepayment of mortgages may reduce the yield of mortgage REITs. When interest rates decline, the value of a REIT's investment in fixed rate obligations can be expected to rise. Conversely, when interest rates rise, the value of a REIT's investment in fixed rate obligations can be expected to decline. In addition, rising interest rates generally increase the costs of obtaining financing, which could cause the value of a mortgage REIT's investments to decline. A REIT's investment in adjustable rate obligations may react differently to interest rate changes than an investment in fixed

rate obligations. As interest rates on adjustable rate mortgage loans are reset periodically, yields on a REIT's investment in such loans will gradually align themselves to reflect changes in market interest rates, causing the value of such investments to fluctuate less dramatically in response to interest rate fluctuations than would investments in fixed rate obligations.

Mortgage REITs typically use leverage (and in many cases, may be highly leveraged), which increases investment risk and could adversely affect a REIT's operations and market value in periods of rising interest rates, increased interest rate volatility, downturns in the economy and reductions in the availability of financing or deterioration in the conditions of the REIT's mortgage-related assets.

**Risk of Investing in the Natural Resources Industry.** The profitability of companies in the natural resources industry can be affected by worldwide energy prices, limits on exploration, and production spending. Companies in the natural resources industry are affected by government regulation, world events and economic conditions. Companies in the natural resources industry are at risk for environmental damage claims. Companies in the natural resources industry could be adversely affected by commodity price volatility, changes in exchange rates, imposition of import controls and increased competition. Companies in the natural resources industry may be adversely affected by depletion of natural resources, technological developments, and labor relations.

**Risk of Investing in the Oil and Gas Industry.** Companies in the oil and gas industry are strongly affected by the levels and volatility of global energy prices, oil and gas supply and demand, government regulations and policies, oil and gas production and conservation efforts and technological change. The oil and gas industry is cyclical and from time to time may experience a shortage of drilling rigs, equipment, supplies or qualified personnel, or due to significant demand, such services may not be available on commercially reasonable terms. Prices and supplies of oil and gas may fluctuate significantly over short and long periods of time due to national and international political changes, OPEC policies, changes in relationships among OPEC members and between OPEC and oil-importing nations, the regulatory environment, taxation policies, and the economies of key energy-consuming countries. Disruptions in the oil sub-industry or shifts in energy consumption may significantly impact companies in this industry. For instance, significant oil and gas deposits are located in emerging market countries where corruption and security may raise significant risks, in addition to the other risks of investing in emerging markets. In addition, the Middle East, where many companies in the oil and gas industry may operate, has recently experienced widespread social unrest. Oil and gas companies operate in a highly competitive industry, with intense price competition. A significant portion of their revenues may depend on a relatively small number of customers, including governmental entities and utilities.

**Risk of Investing in the Oil Equipment and Services Sub-Industry.** The profitability of companies in the oil equipment and services sub-industry is related to worldwide energy prices, exploration, and production spending. Companies in the oil equipment and services sub-industry may be adversely affected by natural disasters or other catastrophes. Companies in the oil equipment and services sub-industry may be at risk for environmental damage claims and other types of litigation. Companies in the oil equipment and services sub-industry may be adversely affected by changes in exchange rates, interest rates, economic conditions, tax treatment, imposition of import controls and increased competition. Companies in the oil equipment and services sub-industry may be adversely affected by oil deposits, technological developments and labor relations. Companies in the oil equipment and services sub-industry may be adversely affected by government regulation and intervention, negative perception and world events in the regions that the companies operate (e.g., expropriation, nationalization, confiscation of assets and property or the imposition of restrictions on foreign investments and repatriation of capital, military coups, social unrest, violence or labor unrest). Companies in the oil equipment and services sub-industry may have significant capital investments in, or engage in transactions involving, emerging market countries, which may heighten these risks.

**Risk of Investing in the Pharmaceuticals Industry.** Companies in the pharmaceuticals industry are subject to competitive forces that may make it difficult to raise prices and, in fact, may result in price discounting. The profitability of some companies in the pharmaceuticals industry may be dependent on a relatively limited number of products. In addition, their products can become obsolete due to industry innovation, changes in technologies or other market developments. Many new products in the pharmaceuticals industry are subject to government approvals, regulation and reimbursement rates. The process of obtaining government approvals may be long and costly. Many companies in the pharmaceuticals industry are heavily dependent on patents and intellectual property rights. The loss or impairment of these rights may adversely affect the profitability of these companies. Companies in the pharmaceutical industry may be subject to extensive litigation based on product liability and similar claims.



**Risk of Investing in the Producer Durables Industry.** The producer durables industry includes companies involved in the design, manufacture or distribution of industrial durables such as electrical equipment and components, industrial products, and housing and telecommunications equipment. These companies may be affected by changes in domestic and international economies and politics, consolidation, and excess capacity. Companies in the producer durables industry face intense competition, which may have an adverse effect on their profitability. The success of companies in the producer durables industry may be strongly affected by changes in consumer demands, spending, tastes and preferences. Companies in the producer durables industry may be dependent on outside financing, which may be difficult to obtain. Producer durables companies may be unable to protect their intellectual property rights or may be liable for infringing the intellectual property rights of others. In addition, these companies may be significantly affected by other factors such as economic cycles, rapid technical obsolescence, government regulations, labor relations, delays in modernization, overall capital spending levels and product liability lawsuits.

**Risk of Investing in the Real Estate Industry.** Companies in the real estate industry include companies that invest in real estate, such as REITs, real estate holding and operating companies or real estate development companies (collectively, “Real Estate Companies”). Investing in Real Estate Companies exposes investors to the risks of owning real estate directly, as well as to risks that relate specifically to the way in which Real Estate Companies are organized and operated. The real estate industry is highly sensitive to general and local economic conditions and developments, and characterized by intense competition and periodic overbuilding. Investing in Real Estate Companies involves various risks. Some risks that are specific to Real Estate Companies are discussed in greater detail below.

*Interest Rate Risk.* Rising interest rates could result in higher costs of capital for Real Estate Companies, which could negatively impact a Real Estate Company’s ability to meet its payment obligations. Declining interest rates could result in increased prepayment on loans and require redeployment of capital in less desirable investments.

*Leverage Risk.* Real Estate Companies may use leverage (and some may be highly leveraged), which increases investment risk and could adversely affect a Real Estate Company’s operations and market value in periods of rising interest rates. Real Estate Companies are also exposed to the risks normally associated with debt financing. Financial covenants related to a Real Estate Company’s leverage may affect the ability of the Real Estate Company to operate effectively. In addition, real property may be subject to the quality of credit extended and defaults by borrowers and tenants. If the properties do not generate sufficient income to meet operating expenses, including, where applicable, debt service, ground lease payments, tenant improvements, third-party leasing commissions and other capital expenditures, the income and ability of a Real Estate Company to make payments of any interest and principal on its debt securities will be adversely affected.

*Loan Foreclosure Risk.* Real Estate Companies may foreclose on loans that the Real Estate Company originated and/or acquired. Foreclosure may generate negative publicity for the underlying property that affects its market value. In addition to the length and expense of such proceedings, the validity of the terms of the applicable loan may not be recognized in foreclosure proceedings. Claims and defenses asserted by borrowers or other lenders may interfere with the enforcement of rights by a Real Estate Company. Parallel proceedings, such as bankruptcy, may also delay resolution and limit the amount of recovery on a foreclosed loan by a Real Estate Company even where the property underlying the loan is liquidated.

*Property Risk.* Real Estate Companies may be subject to risks relating to functional obsolescence or reduced desirability of properties; extended vacancies due to economic conditions and tenant bankruptcies; catastrophic events such as earthquakes, hurricanes and terrorist acts; and casualty or condemnation losses. Real estate income and values also may be greatly affected by demographic trends, such as population shifts or changing tastes and values, or increasing vacancies or declining rents resulting from legal, cultural, technological, global or local economic developments.

*Distressed Investment Risk.* Real Estate Companies may invest in distressed, defaulted or out-of-favor bank loans. Identification and implementation by a Real Estate Company of loan modification and restructure programs involves a high degree of uncertainty. Even successful implementation may still require adverse compromises and may not prevent bankruptcy. Real Estate Companies may also invest in other debt instruments that may become non-performing, including the securities of companies with higher credit and market risk due to financial or operational difficulties. Higher risk securities may be less liquid and more volatile than the securities of companies not in distress.

*Underlying Investment Risk.* Real Estate Companies make investments in a variety of debt and equity instruments with varying risk profiles. For instance, Real Estate Companies may invest in debt instruments secured by commercial property that have higher risks of delinquency and foreclosure than loans on single family homes due to a variety of factors associated with commercial property, including the tie between income available to service debt and productive use of the property. Real

Estate Companies may also invest in debt instruments and preferred equity that are junior in an issuer's capital structure and that involve privately negotiated structures. Subordinated debt investments, such as B-Notes and mezzanine loans, involve a greater credit risk of default due to the need to service more senior debt of the issuer. Similarly, preferred equity investments involve a greater risk of loss than conventional debt financing due to their non-collateralized nature and subordinated ranking. Investments in commercial mortgage-backed securities may also be junior in priority in the event of bankruptcy or similar proceedings. Investments in senior loans may be effectively subordinated if the senior loan is pledged as collateral. The ability of a holder of junior claims to proceed against a defaulting issuer is circumscribed by the terms of the particular contractual arrangement, which vary considerably from transaction to transaction.

**Management Risk.** Real Estate Companies are dependent upon management skills and may have limited financial resources. Real Estate Companies are generally not diversified and may be subject to heavy cash flow dependency, default by borrowers and voluntary liquidation. In addition, transactions between Real Estate Companies and their affiliates may be subject to conflicts of interest, which may adversely affect a Real Estate Company's shareholders. A Real Estate Company may also have joint venture investments in certain of its properties, and, consequently, its ability to control decisions relating to such properties may be limited.

**Illiquidity Risk.** Investing in Real Estate Companies may involve risks similar to those associated with investing in small-capitalization companies. Real Estate Company securities, like the securities of small-capitalization companies, may be more volatile than, and perform differently from, shares of large-capitalization companies. There may be less trading in Real Estate Company shares, which means that buy and sell transactions in those shares could have a magnified impact on share price, resulting in abrupt or erratic price fluctuations. In addition, real estate is relatively illiquid, and, therefore, a Real Estate Company may have a limited ability to vary or liquidate properties in response to changes in economic or other conditions.

**Concentration Risk.** Real Estate Companies may own a limited number of properties and concentrate their investments in a particular geographic region or property type. Economic downturns affecting a particular region, industry or property type may lead to a high volume of defaults within a short period.

**U.S. Tax Risk.** Certain U.S. Real Estate Companies are subject to special U.S. federal tax requirements. A REIT that fails to comply with such tax requirements may be subject to U.S. federal income taxation, which may affect the value of the REIT and the characterization of the REIT's distributions. The U.S. federal tax requirement that a REIT distribute substantially all of its net income to its shareholders may result in a REIT having insufficient capital for future expenditures. A REIT that successfully maintains its qualification may still become subject to U.S. federal, state and local taxes, including excise, penalty, franchise, payroll, mortgage recording, and transfer taxes, both directly and indirectly through its subsidiaries. Because REITs often do not provide complete tax information until after the calendar year-end, a Fund may at times need to request permission to extend the deadline for issuing your tax reporting statement or supplement the information otherwise provided to you.

**Regulatory Risk.** Real estate income and values may be adversely affected by such factors as applicable domestic and foreign laws (including tax laws). Government actions, such as tax increases, zoning law changes or environmental regulations, also may have a major impact on real estate income and values. In addition, quarterly compliance with regulations limiting the proportion of asset types held by a U.S. REIT may force certain Real Estate Companies to liquidate or restructure otherwise attractive investments. Some countries may not recognize REITs or comparable structures as a viable form of real estate funds.

**Risk of Investing in the Retail Industry.** The retail industry may be affected by changes in domestic and international economies, consumer confidence, disposable household income and spending, and consumer tastes and preferences. Companies in the retail industry face intense competition, which may have an adverse effect on their profitability. The success of companies in the retail industry may be strongly affected by social trends, marketing campaigns and public perceptions. Companies in the retail industry may be dependent on outside financing, which may be difficult to obtain. Many of these companies are dependent on third party suppliers and distribution systems. Retail companies may be unable to protect their intellectual property rights or may be liable for infringing the intellectual property rights of others.

**Risk of Investing in the Semiconductor Industry.** The Fund invests in semiconductor companies, which face intense competition, both domestically and internationally; such competition may have an adverse effect on profit margins. Semiconductor companies may have limited product lines, markets, financial resources or personnel. The products of semiconductor companies may face obsolescence due to rapid technological developments and frequent new product introduction, unpredictable changes in growth rates and competition for the services of qualified personnel. Capital



equipment expenditures could be substantial and equipment generally suffers from rapid obsolescence. Companies in the semiconductor industry are heavily dependent on patent and intellectual property rights. The loss or impairment of these rights would adversely affect the profitability of these companies.

**Risk of Investing in the Technology Sector.** Technology companies are characterized by periodic new product introductions, innovations and evolving industry standards, and, as a result, face intense competition, both domestically and internationally, which may have an adverse effect on profit margins. Companies in the technology sector are often smaller and less experienced companies and may be subject to greater risks than larger companies; these risks may be heightened for technology companies in foreign markets. Technology companies may have limited product lines, markets, financial resources or personnel. The products of technology companies may face product obsolescence due to rapid technological developments and frequent new product introduction, changes in consumer and business purchasing patterns, unpredictable changes in growth rates and competition for the services of qualified personnel. In addition, a rising interest rate environment tends to negatively affect companies in the technology sector because, in such an environment, those companies with high market valuations may appear less attractive to investors, which may cause sharp decreases in the companies' market prices. Companies in the technology sector are heavily dependent on patent and intellectual property rights. The loss or impairment of these rights may adversely affect the profitability of these companies. Companies in the technology sector are facing increased government and regulatory scrutiny and may be subject to adverse government or regulatory action. The technology sector may also be adversely affected by changes or trends in commodity prices, which may be influenced or characterized by unpredictable factors. Finally, while all companies may be susceptible to network security breaches, certain companies in the technology sector may be particular targets of hacking and potential theft of proprietary or consumer information or disruptions in service, which could have a material adverse effect on their businesses.

**Risk of Investing in the Telecommunications Sector.** The telecommunications sector of a country's economy is often subject to extensive government regulation. The costs of complying with governmental regulations, delays or failure to receive required regulatory approvals, or the enactment of new regulatory requirements may negatively affect the business of telecommunications companies. Government actions around the world, specifically in the area of pre-marketing clearance of products and prices, can be arbitrary and unpredictable. Companies in the telecommunications sector may experience distressed cash flows due to the need to commit substantial capital to meet increasing competition, particularly in developing new products and services using new technology. Technological innovations may make the products and services of certain telecommunications companies obsolete. Finally, while all companies may be susceptible to network security breaches, certain companies in the telecommunications sector may be particular targets of hacking and potential theft of proprietary or consumer information or disruptions in service, which could have a material adverse effect on their businesses.

**Risk of Investing in the Transportation Industry.** Companies in the transportation industry may be adversely affected by changes in the economy, increases in fuel and operating costs, labor relations, technology developments, exchange rates, insurance costs, industry competition and government regulation. Companies in the transportation industry are also affected by severe weather events, mass casualty accidents or environmental catastrophes, acts of terrorism and other similar events that target or damage transportation infrastructure or vessels, war or risk of war, widespread disruption of technology systems and increasing equipment and operational costs. Such global or regional events and conditions may adversely affect the operations, financial condition and liquidity of companies in the transportation industry and cause insurance premiums to increase dramatically or result in insurance coverage becoming unavailable for certain business lines or assets. Securities of companies in the transportation industry are generally cyclical and occasionally subject to sharp price movements.

**Risk of Investing in the Utilities Sector.** The utilities sector may be adversely affected by changing commodity prices, government regulation stipulating rates charged by utilities, increased tariffs, changes in tax laws, interest rate fluctuations and changes in the cost of providing specific utility services. The utilities industry is also subject to potential terrorist attacks, natural disasters and severe weather conditions, as well as regulatory and operational burdens associated with the operation and maintenance of nuclear facilities. Government regulators monitor and control utility revenues and costs, and therefore may limit utility profits. In certain countries, regulatory authorities may also restrict a company's access to new markets, thereby diminishing the company's long-term prospects.

There are substantial differences among the regulatory practices and policies of various jurisdictions, and any 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. 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 a 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 climate 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.

The rates that traditional regulated utility companies may charge their customers generally are subject to review and limitation by governmental regulatory commissions. Rate changes may occur only after a prolonged approval period or may not occur at all, which could adversely affect utility companies when costs are rising. The value of regulated utility debt securities (and, to a lesser extent, equity securities) tends to have an inverse relationship to the movement of interest rates. Certain utility companies have experienced full or partial deregulation in recent years. These utility companies are frequently more similar to industrial companies in that they are subject to greater competition and have been permitted by regulators to diversify outside of their original geographic regions and their traditional lines of business. As a result, some companies may be forced to defend their core business and may be less profitable. Deregulation may also permit a utility company to expand outside of its traditional lines of business and engage in riskier ventures.

## Proxy Voting Policy

For the Funds, the Board has delegated the voting of proxies for each Fund's securities to BFA pursuant to the Funds' Proxy Voting Policy (the "iShares ETFs Proxy Voting Policy"), and BFA has adopted policies and procedures (the "BlackRock Proxy Voting Policies") governing proxy voting by accounts managed by BFA, including the Funds.

Under the BlackRock Proxy Voting Policies, BFA will vote proxies related to Fund securities in the best interests of a Fund and its shareholders. From time to time, a vote may present a conflict between the interests of a Fund's shareholders, on the one hand, and those of BFA, or any affiliated person of a Fund or BFA, on the other. BFA maintains policies and procedures that are designed to prevent undue influence on BFA's proxy voting activity that might stem from any relationship between the issuer of a proxy (or any dissident shareholder) and BFA, BFA's affiliates, a Fund or a Fund's affiliates. Most conflicts are managed through a structural separation of BFA's Corporate Governance Group from BFA's employees with sales and client responsibilities. In addition, BFA maintains procedures to ensure that all engagements with corporate issuers or dissident shareholders are managed consistently and without regard to BFA's relationship with the issuer of the proxy or the dissident shareholder. In certain instances, BFA 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.

Copies of the iShares ETFs Proxy Voting Policy, the BlackRock Global Proxy Voting Policies and the BlackRock U.S. Proxy Voting Policies are attached as Appendices A1, A2 and A3, respectively.

Information with respect to how proxies relating to the Funds' portfolio securities were voted during the 12-month period ended June 30 is available: (i) without charge, upon request, by calling 1-800-iShares (1-800-474-2737) or through the Funds' website at [www.iShares.com](http://www.iShares.com); and (ii) on the SEC's website at [www.sec.gov](http://www.sec.gov).

## Portfolio Holdings Information

On each Business Day (as defined in the *Creation and Redemption of Creation Units* section of this SAI), prior to the opening of regular trading on the Fund's primary listing exchange, a Fund discloses on its website ([www.iShares.com](http://www.iShares.com)) certain information relating to the portfolio holdings that will form the basis of a Fund's next net asset value per share calculation.

In addition, certain information may also be made available to certain parties:

- **Communications of Data Files:** A Fund may make available through the facilities of the National Securities Clearing Corporation ("NSCC") or through posting on the [www.iShares.com](http://www.iShares.com), prior to the opening of trading on each business day, a list of a Fund's holdings (generally pro-rata) that Authorized Participants could deliver to a Fund to settle purchases of a Fund (*i.e.* Deposit Securities) or that Authorized Participants would receive from a Fund to settle redemptions of a Fund (*i.e.* Fund Securities). These files are known as the Portfolio Composition File and the Fund Data File (collectively, "Files"). The Files are applicable for the next trading day and are provided to the NSCC and/or posted on [www.iShares.com](http://www.iShares.com) after the close of markets in the U.S.
- **Communications with Authorized Participants and Liquidity Providers:** Certain employees of BFA are responsible for interacting with Authorized Participants and liquidity providers with respect to discussing custom basket proposals as

described in the *Custom Baskets* section of this SAI. As part of these discussions, these employees may discuss with an Authorized Participant or liquidity provider the securities a Fund is willing to accept for a creation, and securities that a Fund will provide on a redemption.

BFA employees may also discuss portfolio holdings-related information with broker/dealers, in connection with settling a Fund's transactions, as may be necessary to conduct business in the ordinary course in a manner consistent with the disclosure in the Fund's current registration statements.

- **Communications with Listing Exchanges:** From time to time, employees of BFA may discuss portfolio holdings information with the applicable primary listing exchange for a Fund as needed to meet the exchange listing standards.
- **Communications with Other Portfolio Managers:** Certain information may be provided to employees of BFA who manage funds that invest a significant percentage of their assets in shares of an underlying fund as necessary to manage the fund's investment objective and strategy.
- **Communication of Other Information:** Certain explanatory information regarding the Files is released to Authorized Participants and liquidity providers on a daily basis, but is only done so after the Files are posted to [www.iShares.com](http://www.iShares.com).
- **Third-Party Service Providers:** Certain portfolio holdings information may be disclosed to Fund Trustees and their counsel, outside counsel for the Funds, auditors and to certain third-party service providers (i.e., fund administrator, custodian, proxy voting service) for which a non-disclosure, confidentiality agreement or other obligation is in place with such service providers, as may be necessary to conduct business in the ordinary course in a manner consistent with applicable policies, agreements with the Funds, the terms of the current registration statements and federal securities laws and regulations thereunder.
- **Liquidity Metrics:** "Liquidity Metrics" which seek to ascertain a Fund's liquidity profile under BlackRock's global liquidity risk methodology which include but are not limited to: (a) disclosure regarding the number of days needed to liquidate a portfolio or the portfolio's underlying investments; and (b) the percentage of a Fund's NAV invested in a particular liquidity tier under BlackRock's global liquidity risk methodology. The dissemination of position-level liquidity metrics data and any non-public regulatory data pursuant to the Liquidity Rule (including SEC liquidity tiering) is not permitted unless pre-approved. Disclosure of portfolio-level liquidity metrics prior to 60 calendar days after calendar quarter-end requires a non-disclosure or confidentiality agreement and CCO approval. Portfolio-level liquidity metrics disclosure subsequent to 60 calendar days after calendar quarter-end requires the approval of portfolio management and must be disclosed to all parties requesting the information if disclosed to any party.

The Trust's Chief Compliance Officer or his delegate may authorize disclosure of portfolio holdings information pursuant to the above policy and procedures, subject to restrictions on selective disclosure imposed by applicable law. The Board reviews the policy and procedures for disclosure of portfolio holdings information at least annually.

## Construction and Maintenance of the Underlying Indexes

Descriptions of the Underlying Indexes are provided below.

With respect to certain underlying indexes of the iShares funds, BFA or its affiliates have held discussions with the applicable index provider regarding their business interest in licensing an index to track a particular market segment and conveyed investment concepts and strategies that could be considered for the index. The index provider designed and constituted such indices using concepts conveyed by BFA or its affiliates. For certain of these indices, the relevant fund may be the first or sole user of the underlying index. In its sole discretion, the index provider determines the composition of the securities and other instruments in such underlying index, the rebalance protocols of the underlying index, the weightings of the securities and other instruments in the underlying index, and any updates to the methodology. From time to time, BFA or its affiliates may also provide input relating to possible methodology changes of such underlying index pursuant to the index provider's consultation process or pursuant to other communications with the index provider.

# The Dow Jones Indexes

**Component Selection Criteria.** Securities of companies listed on a major U.S. exchange (such as the New York Stock Exchange, Inc. (“NYSE”), the NYSE MKT Equities or the NASDAQ) are considered for inclusion in the Underlying Indexes, with the following general rules and exceptions. Foreign issues, including ADRs and GDRs, non-common equity issues such as preferred stocks, convertible notes, warrants, rights, closed-end funds, trust receipts, limited liabilities companies, royalty trusts, units, limited partnerships, OTC bulletin boards and pink sheet stocks generally are not eligible for inclusion in the indexes.

**Issue Changes.** Each Underlying Index is reviewed and rebalanced quarterly to maintain accurate representation of the market segment represented by the Underlying Index. Securities that are removed from an Index between reconstitution dates are not replaced.

**Index Maintenance.** Maintaining the Underlying Indexes includes monitoring and completing the adjustments for additions and deletions to each Underlying Index, share changes, stock splits, stock dividends, and stock price adjustments due to restructuring and spin-offs.

**Weighting.** The component stocks are weighted according to the float-adjusted market capitalization. The impact of a component’s price change is proportional to the issue’s total market value, which is the share price multiplied by the number of shares outstanding. Each Underlying Index is adjusted to reflect changes in capitalization resulting from mergers, acquisitions, stock rights, substitutions and other capital events. Each of the Underlying Indexes (except the Dow Jones Select Sector and Subsector Indexes) as described below, is a free-float adjusted market capitalization-weighted index, so the impact of a component’s price change is proportional to the component’s free-float adjusted market value, which is the share price multiplied by the number of float-adjusted shares outstanding. S&P Dow Jones Indices LLC (“SPDJI”) defines the free-float of a security as the proportion of shares outstanding that are deemed to be available for purchase in the public equity markets by investors. In practice, limitations on free-float available to investors include: cross ownership (shares that are owned by other companies), ownership by governments (central or municipal) or their agencies, certain substantial levels of private ownership (by individuals, families or charitable trusts and foundations), and restricted shares. Under SPDJI’s free-float adjustment methodology, a company’s outstanding shares are adjusted if, and only if, an entity in any of the four qualified categories listed above owns 5% or more of the company. The company’s shares will not be adjusted if the block ownership is less than 5%. A constituent’s inclusion factor is equal to its estimated percentage of free-float shares outstanding. For example, a constituent security with a free-float of 67% will be included in the index at 67% of its market capitalization. However, a company’s outstanding shares are not adjusted by institutional investors’ holdings, which include, but are not limited to, the following categories: custodian nominees, trustee companies, mutual funds (open-end and closed-end funds), and other investment companies.

**Index Availability.** The Underlying Indexes are calculated continuously and are available from major data vendors.

**Component Selection Criteria Applicable to Dow Jones Select Sector Indexes and Dow Jones Subsector Indexes.** The following indexes are collectively referred to herein as the “Dow Jones Select Sectors Indexes”: Dow Jones U.S. Select Aerospace & Defense Index, Dow Jones U.S. Select Health Care Providers Index, Dow Jones U.S. Select Home Construction Index, Dow Jones U.S. Select Insurance Index, Dow Jones U.S. Select Investment Services Index, Dow Jones U.S. Select Medical Equipment Index, Dow Jones U.S. Select Oil Equipment & Services Index, Dow Jones U.S. Select Oil Exploration & Production Index, Dow Jones U.S. Select Pharmaceuticals Index, Dow Jones U.S. Select Regional Banks Index and Dow Jones U.S. Select Telecommunications Index. The Dow Jones U.S. Real Estate Index (which is part of the Dow Jones Global Indices family) is herein referred to as the “Dow Jones Subsector Index”. On a quarterly basis, SPDJI conducts reviews of the float-adjusted market capitalizations and weightings of the securities in the Dow Jones Subsector Index. Other than the Dow Jones U.S. Select Home Construction Index, the Dow Jones U.S. Select Regional Banks Index and the Dow Jones U.S. Select Telecommunications Index, on the last business day of the month prior to the quarterly review, a security must have a \$500 million float-adjusted market capitalization to be added to a Dow Jones Select Sector Index or the Dow Jones Subsector Index; securities with a float-adjusted market capitalization below \$250 million will be removed from the applicable Dow Jones Select Sector Index and the Dow Jones Subsector Index.

On the last business day of the month prior to the quarterly review, a security must have a \$500 million float-adjusted market capitalization to be added to each of the Dow Jones U.S. Select Home Construction Index and Dow Jones U.S. Select

Telecommunications Index; securities with a float-adjusted market capitalization below \$100 million will be removed from the applicable Index.

The indices are rebalanced quarterly, effective at the open of trading on the Monday following the third Friday of March, June, September and December. Component eligibility is determined as of the last trading day of the month prior to rebalancing.

With respect to the Dow Jones Select Sector Indexes, at each quarterly rebalance,

- no single Underlying Index component may have a weight greater than 22.5% of the Index; and
- the sum of the weights of the Index components that are individually greater than 4.5% may not be greater than 45% of the Index.

The foregoing Index component weight caps do not apply to the Dow Jones U.S. Real Estate Index.

#### **Dow Jones U.S. Real Estate Index**

**Number of Components: approximately 113**

**Index Description.** The Dow Jones U.S. Real Estate Index is a subset of the Dow Jones U.S. Index. The Underlying Index includes only companies in the real estate sector of the Dow Jones U.S. Index.

#### **Dow Jones U.S. Select Aerospace & Defense Index**

**Number of Components: approximately 35**

**Index Description.** The Dow Jones U.S. Select Aerospace & Defense Index is designed to measure the performance of U.S. companies in the aerospace and defense sector.

#### **Dow Jones U.S. Select Health Care Providers Index**

**Number of Components: approximately 47**

**Index Description.** The Dow Jones U.S. Select Health Care Providers Index is designed to measure performance of U.S. companies in the health care sector.

#### **Dow Jones U.S. Select Home Construction Index**

**Number of Components: approximately 44**

**Index Description.** The Dow Jones U.S. Select Home Construction Index measures the performance of constructors of residential homes, including manufacturers of mobile and prefabricated homes intended for use in one place; manufacturers and distributors of furniture, including chairs, tables, desks, carpeting, and wallpaper; retailers and wholesalers concentrating on the sale of home improvement products, including garden equipment, carpets, wallpaper, paint, home furniture, blinds and curtains, and building materials; producers of materials used in the construction and refurbishment of buildings and structures, including cement and other aggregates, wooden beams and frames, paint, glass, roofing and flooring materials other than carpets. Companies classified as Building Materials & Fixtures, Furnishings, and Home Improvement Retailers are, in aggregate, capped at 35% of the index.

#### **Dow Jones U.S. Select Insurance Index**

**Number of Components: approximately 62**

**Index Description.** The Dow Jones U.S. Select Insurance Index is designed to measure full-line insurance companies, property and casualty insurance companies and life insurance companies.

#### **Dow Jones U.S. Select Investment Services Index**

**Number of Components: approximately 25**

**Index Description.** The Dow Jones U.S. Select Investment Services Index is designed to measure the performance of U.S. companies in the investment services sector.

#### **Dow Jones U.S. Select Medical Equipment Index**

**Number of Components: approximately 56**



**Index Description.** The Dow Jones U.S. Select Medical Equipment Index is designed to measure manufacturers and distributors of medical devices such as MRI scanners, prosthetics, pacemakers, X-ray machines and other non-disposable medical devices.

#### **Dow Jones U.S. Select Oil Equipment & Services Index**

**Number of Components:** approximately 31

**Index Description.** The constituents in the Dow Jones U.S. Select Oil Equipment & Services Index are classified as oil equipment and services companies within the Dow Jones U.S. Broad Stock Market Index.

#### **Dow Jones U.S. Select Oil Exploration & Production Index**

**Number of Components:** approximately 52

**Index Description.** The Dow Jones U.S. Select Oil Exploration & Production Index is designed to measure companies engaged in the exploration for drilling, production, refining and supply of oil and gas products.

#### **Dow Jones U.S. Select Pharmaceuticals Index**

**Number of Components:** approximately 44

**Index Description.** The constituents in the Dow Jones U.S. Select Pharmaceuticals Index are classified as pharmaceutical companies within the Dow Jones U.S. Broad Stock Market Index.

#### **Dow Jones U.S. Select Regional Banks Index**

**Number of Components:** approximately 58

**Index Description.** The constituents in the Dow Jones U.S. Select Regional Banks Index are classified as regional bank companies within the Dow Jones U.S. Broad Stock Market Index.

**Component Selection Criteria.** The index composition is reconstituted annually as part of the June rebalancing. However, if a constituent is deleted from the Dow Jones U.S. Banks Index (i.e. the index selection universe) during a quarterly rebalancing, it is also deleted from the Dow Jones U.S. Select Regional Banks Index at that quarter's rebalancing. A company is excluded from the Dow Jones U.S. Select Regional Banks Index if its three-year average total assets account for more than 5% of the three-year average total assets of the index selection universe. Any company that failed this asset screen during the previous annual reconstitution and that accounts for at least 4% of the selection universe's three-year average total assets at the next review will continue to be excluded from the index.

#### **Dow Jones U.S. Select Telecommunications Index**

**Number of Components:** approximately 39

**Index Description.** The constituents in the Dow Jones U.S. Select Telecommunications Index are classified as telecommunication companies within the Dow Jones U.S. Broad Stock Market Index.

**Additional Information.** The Dow Jones U.S. Real Estate Index, the Dow Jones U.S. Select Aerospace & Defense Index, the Dow Jones U.S. Select Health Care Providers Index, the Dow Jones U.S. Select Home Construction Index, the Dow Jones U.S. Select Insurance Index, the Dow Jones U.S. Select Investment Services Index, the Dow Jones U.S. Select Medical Equipment Index, the Dow Jones U.S. Select Oil Equipment & Services Index, the Dow Jones U.S. Select Oil Exploration & Production Index, the Dow Jones U.S. Select Pharmaceuticals Index, the Dow Jones U.S. Select Regional Banks Index and the Dow Jones U.S. Select Telecommunications Index (collectively, the "Dow Jones Indexes") are products of SPDJI, and have been licensed for use by BFA or its affiliates. S&P® is a registered trademark of Standard & Poor's Financial Services LLC ("S&P"); Dow Jones® is a registered trademark of Dow Jones Trademark Holdings LLC ("Dow Jones"); and these trademarks have been licensed for use by SPDJI and sublicensed for certain purposes by BFA and its affiliates. The Funds are not sponsored, endorsed, sold or promoted by SPDJI, Dow Jones, S&P or their respective affiliates or third party licensors and none of such parties make any representation regarding the advisability of investing in such product(s) nor do they have any liability for any errors, omissions, or interruptions of the Dow Jones Indexes.

# The FTSE Nareit Indexes

**Component Selection Criteria.** The FTSE Nareit U.S. Real Estate Indexes (“FTSE Nareit Indexes”) are primarily rule-based, but are also monitored by the FTSE Nareit Index Advisory Committee. All tax-qualified REITs that are listed on the NYSE, the NYSE Amex Equities or the NASDAQ are eligible for inclusion in the FTSE Nareit Indexes. Potential constituents for the FTSE Nareit All Mortgage Capped Index and the FTSE Nareit All Residential Capped Index are determined by sector classifications of constituents in the FTSE Nareit Composite Index. The FTSE Nareit Indexes are reviewed for changes in free-float on a quarterly basis in March, June, September and December for companies which do not qualify for fast entry, but which meet the criteria for eligible securities set out in the index rules. Meetings to review the constituents will be held on the Thursday following the first Friday of March, June, September and December. The review is based on data at the close of business on the last trading day of February, May, August and November. The FTSE Nareit Index Advisory Committee meets quarterly, in March, June, September and December or more frequently, if required.

When calculating index component weights, component companies’ shares are adjusted for available free-float. In general, shares held by governments, corporations, strategic partners, or other control groups are excluded from a constituent company’s outstanding shares.

**Index Maintenance.** FTSE International Limited (“FTSE”) is responsible for the daily operation of the FTSE Nareit Indexes. FTSE will maintain records of the market capitalization of all constituents, and will make changes to the constituents and their weightings in accordance with index rules. FTSE will also carry out the periodic company reviews of the FTSE Nareit Indexes and implement the resulting constituent changes as required by index rules.

**Issue Changes.** New issues of companies that do not qualify for “Fast Entry” but meet the criteria for eligible securities and have been listed for over 20 business trading days will be eligible for inclusion in the FTSE Nareit Indexes. The data will be compiled as of the close of business on the last business day in February, May, August and November. The changes will be effective after the close of business on the third Friday in March, June, September and December.

If a constituent is delisted, or ceases to have a firm quotation, or is subject to a takeover offer which has been declared wholly unconditional, it will be removed from the indexes of which it is a constituent.

**Index Availability.** The FTSE Nareit Indexes are calculated continuously during normal trading hours of the NASDAQ, NYSE Amex Equities and NYSE, and are closed on U.S. holidays.

**Exchange Rates and Pricing.** The prices used to calculate the FTSE Nareit Indexes are the Reuters daily closing prices or those figures accepted as such. FTSE Nareit reserves the right to use an alternative pricing source on any given day. For end-of-day alternative currency calculations, FTSE Nareit uses the WM/Reuters Closing Spot Rates.

## FTSE Nareit All Mortgage Capped Index

**Number of Components: approximately 36**

**Index Description.** The FTSE Nareit All Mortgage Capped Index is a free float-adjusted market capitalization weighted index that measures the performance of the residential and commercial mortgage real estate, mortgage finance and savings associations sectors of the U.S. equity market. The FTSE Nareit All Mortgage Capped Index generally measures the performance of the residential and commercial mortgage real estate sector and generally invests all of its assets in REITs. If the number of constituents in the FTSE Nareit All Mortgage Capped Index would otherwise fall below 20, FTSE will consider companies from the mortgage finance and savings associations sectors for inclusion in the FTSE Nareit All Mortgage Capped Index and each company in the mortgage finance and savings associations sector will be capped at 3%, and in aggregate not exceed 30%. FTSE caps the weight of the constituent securities in the Underlying Index.

## FTSE Nareit All Residential Capped Index

**Number of Components: approximately 43**

**Index Description.** The FTSE Nareit All Residential Capped Index is a free float-adjusted market capitalization weighted index that measures the performance of the residential, healthcare and self-storage real estate sectors of the U.S. equity market. FTSE caps the weight of the constituent securities in the Underlying Index.



# ICE Exchange-Listed Preferred & Hybrid Securities Index

**Number of Components:** approximately 491

**Index Description.** The ICE Exchange-Listed Preferred & Hybrid Securities Index tracks the performance of a select group of exchange-listed, U.S. dollar-denominated preferred securities, hybrid securities and convertible preferred securities.

**Index Methodology.** Qualifying securities must be exchange listed and have either the NASDAQ or NYSE as their primary exchange in order to be included in the Underlying Index. The Underlying Index constituents must also meet minimum price, liquidity, trading volume, maturity and other requirements relating to continuous listing standards of the listing exchange. The total allocation to an individual issuer across the entire index is limited to 4.75%. The Underlying Index is market capitalization-weighted subject to certain constraints, and the securities in the Underlying Index are updated on the last calendar date of each month.

**Component Selection Criteria.** Hybrid corporate debt issued in \$1,000 or greater par amounts must have a coupon deferral feature, at least \$250 million face amount outstanding and at least 18 months to final maturity at the time of issuance to qualify. Fixed-to-floating rate securities are included provided they are callable within the fixed rate period and are at least one month from the last call prior to the date the bond transitions from a fixed to a floating rate security. Contingent capital securities (“cocos”) are excluded, but capital securities where conversion can be mandated by a regulatory authority, but which have no specified trigger, are included. Other hybrid capital securities, such as those issues that potentially convert into preference shares, those with both cumulative and noncumulative coupon deferral provisions, and those with alternative coupon satisfaction mechanisms, are also included in the index. 144A securities (both with and without registration rights) and corporate pay-in-kind securities (including toggle notes) are included. Securities in legal default, securitized debt and Eurodollar bonds (USD securities not issued in the U.S. domestic market) are excluded.

Preferred stock and notes issued in \$25, \$50, or \$100 par/liquidation preference increments, must have a minimum amount outstanding of \$100 million. In addition, qualifying securities must have an investment grade rated country of risk (based on an average of Moody’s, S&P and Fitch foreign currency long-term sovereign debt ratings). Both fixed and adjustable rate preferred stock and notes are included in the index. Preference shares (perpetual preferred securities), American Depositary Shares/Receipts (ADS/R), domestic and Yankee trust preferreds, are included. Auction market securities, purchase units, purchase contracts, securities issued by closed end funds and derivative instruments such as repackaged securities and credit default swaps are excluded.

Convertible preferred stock must have at least \$50 million face amount outstanding. The underlying equity of qualifying securities must be publicly listed and actively trading. Convertible securities where the underlying is a basket of equities, and mandatory convertibles are included in the index. Securities in legal default, synthetic and reverse convertibles, pay-in-kind convertibles, and convertibles with suspended or inactive underlying equities are excluded from the index.

## JPX-Nikkei 400 Net Total Return Index

**Number of Components:** approximately 400

**Index Description.** The JPX-Nikkei 400 Net Total Return Index was jointly developed by Japan Exchange Group, Inc. and Tokyo Stock Exchange, Inc. (“TSE”) (collectively referred to as the “JPX Group”) and Nikkei Inc. (the “Nikkei”). The JPX-Nikkei 400 Net Total Return Index is constructed based on market capitalization adjusted by free-float weight. Free-float weight is the percentage of listed shares deemed to be available for trading in the market. As a general matter, shares held by the top 10 major shareholders, treasury and other similar shares, shares held by board members and other representatives, and other shares deemed by the JPX Group and the Nikkei to be unavailable for trading in the market are considered to be non-free float shares.

**Eligibility.** Underlying Index eligibility is limited to (i) common stocks traded primarily on the TSE, including the First Section, Second Section, Mothers and JASDAQ market (“JASDAQ”) market (in principle) and (ii) TSE First Section, TSE Second Section, Mothers or JASDAQ-listed securities other than common stocks that are regarded by the JPX Group and the Nikkei as equivalent to common stocks in each case if their inclusion is deemed to be particularly necessary- as determined by the JPX Group and the Nikkei.

**Index Maintenance and Issue Changes.** The constituents are reviewed annually at the end of August. Selection as particularly necessary is based on: (i) trading value over the past three years, (ii) market value on the selection base date (the end of June), (iii) scoring by stock by three-year average returns on equity, cumulative operating profit and market value on the selection base date using specified weightings and (iv) qualitative factors tied to corporate governance and disclosure. The JPX Group and the Nikkei have indicated that securities will be dropped from the Underlying Index during the year if they are delisted or are the subject of a merger or bankruptcy and that new securities will not be added to replace dropped securities until the annual review. As a result, at different points throughout the calendar year, the Underlying Index may have less than 400 components.

**Index Availability.** Information regarding adjustments to the Underlying Index and other related data is available through Tokyo Market Information service provided by TSE.

## NASDAQ Biotechnology Index<sup>®</sup>

**Number of Components:** approximately 211

**Index Description.** The NASDAQ Biotechnology Index is designed to track the performance of a set of securities listed on NASDAQ that are classified as either biotechnology or pharmaceutical according to the Industry Classification Benchmark (ICB). The NASDAQ Biotechnology Index is a modified market capitalization-weighted index.

**Eligibility.** Underlying Index eligibility is limited to common stocks, ordinary shares, ADRs, and shares of beneficial interest or limited partnership interests that are listed on NASDAQ. Companies must also meet certain minimum market capitalization, liquidity, and other criteria to be eligible for inclusion in the Underlying Index.

**Index Maintenance and Issue Changes.** Index securities are evaluated annually in December. Generally, the list of additions and deletions is publicly announced via a press release in the early part of December. Security additions and deletions are made effective after the close of trading on the third Friday in December. Moreover, if at any time during the year other than the evaluation, an index security no longer meets the eligibility criteria, or is otherwise determined to have become ineligible for continued inclusion in the Underlying Index, the security is removed from the Underlying Index and will not be replaced.

**Quarterly Index Rebalancing.** The Underlying Index employs a modified market capitalization-weighting methodology. At each quarter, the Index is rebalanced such that the maximum weight of any index security does not exceed 8% and no more than 5 securities are at that cap. The excess weight of any capped security is distributed proportionally across the remaining index securities. If after redistribution, any of the 5 highest ranked index securities are weighted below 8%, these securities are not capped. Next, any remaining index securities in excess of 4% are capped at 4% and the excess weight is redistributed proportionally across the remaining index securities. The process is repeated, if necessary, to derive the final weights.

The modified market capitalization-weighting methodology is applied to the capitalization of each index security using the last sale price of the security at the close of trading on the last trading day in February, May, August and November and after applying quarterly changes to the total shares outstanding. The changes are effective after trading on the third Friday in March, June, September and December.

NASDAQ may, from time to time, exercise reasonable discretion as it deems appropriate in order to ensure Underlying Index integrity.

## NYSE<sup>®</sup> FactSet U.S. Infrastructure Index<sup>™</sup>

**Number of Components:** approximately 145

**Index Description.** The NYSE<sup>®</sup> FactSet U.S. Infrastructure Index<sup>™</sup> is designed to measure the performance of equity securities of U.S. companies involved in U.S. focused infrastructure activities (as determined by the index provider of the Underlying Index).

Companies are eligible to be included in the Underlying Index if they are classified to be under one of the 95 infrastructure-related industries as defined by FactSet Revere Business Industry Classification System ("RBICS"). Each company in the Underlying Index is classified as either Category 1 or Category 2, where Category 1 companies are infrastructure enablers and Category 2 are infrastructure asset owners and operators.

Infrastructure enablers are potential beneficiaries of infrastructure investment in the U.S. Category 1 companies in the Underlying Index include companies in construction and engineering services, machineries and materials. Infrastructure asset owners and operators are companies associated with traditional equity infrastructure investing, which generally exhibit characteristics such as having stable cash flows, a high barrier to entry, and being an inflation hedge. Category 2 companies in the Underlying Index include companies in energy transportation and storage, railroad transportation, and utilities.

At the time of inclusion, eligible companies must derive 50% or more of their annual revenues from the U.S. The Underlying Index applies an equal weighting to Category 1 and Category 2, and within each category, an equal weighting is also applied to all individual securities.

The Underlying Index will be reviewed and reconstituted annually in March each year. Constituent weights of the Underlying Index are rebalanced quarterly in March, June, September and December.

**Eligibility.** The following rules are used for the initial constituent selection and ongoing reconstitution:

- Underlying Index eligibility is limited to common stocks traded primarily on the New York Stock Exchange (“NYSE”), NYSE American and NASDAQ, excluding master limited partnerships (MLPs), royalty trusts, business development companies (BDCs), and American depository receipts (ADRs).
- Initial Public Offering (“IPO”) securities that have been trading for less than 3 months prior to the reconstitution day are excluded.
- The securities must have a minimum float-adjusted market capitalization of U.S. \$300 million or greater, and three-month Average Daily Trading Value (“ADTV”) of U.S. \$1 million or greater on selection day.  
Existing constituents may remain in the Underlying Index if they have a minimum float-adjusted market capitalization of U.S. \$225 million or greater, and a three-month ADTV of U.S. \$0.75 million or greater on selection day.
- The securities must be classified as having a focus (deriving 50% or more revenues) in one of the 95 infrastructure-related industries as defined by RBICS in either Category 1 or 2, where Category 1 companies are infrastructure enablers and Category 2 companies are infrastructure asset owners and operators.
- An eligible company must derive 50% or more of its annual revenues from the U.S. to be included in the Underlying Index.  
Existing constituents may remain in the Underlying Index if they derive 40% or more its annual revenues from the U.S.
- If a company has multiple share classes, only the most liquid issue based on the highest three-month ADTV on selection day will be included.

## The PHLX Semiconductor Sector Index

**Number of Components:** approximately 30

**Index Description.** The PHLX Semiconductor Sector Index is designed to track the performance of U.S.-traded securities of a set of companies engaged in the design, distribution, manufacture and sale of semiconductors.

**Index Calculation.** The Underlying Index is a modified capitalization-weighted index. The value of the Underlying Index equals the aggregate value of the Underlying Index share weights, also known as the Index Shares, of each of the Underlying Index securities multiplied by each such security’s Last Sale Price<sup>1</sup>, and divided by the divisor of the Underlying Index. The divisor serves the purpose of scaling such aggregate index value to a lower order of magnitude which is more desirable for reporting purposes. The Underlying Index began on December 1, 1993 at a base value of 200.00 and was split two-for-one on July 24, 1995; options commenced trading on September 7, 1994.

The formula for index value is as follows:

- $\text{Aggregate Adjusted Market Value} / \text{Divisor}$

The formula for the divisor is as follows:

- $(\text{Market Value after Adjustments} / \text{Market Value before Adjustments}) \times \text{Divisor before Adjustments}$

Two versions of the Underlying Index are calculated – a price return index and a total return index.

The price return index (NASDAQ: SOX) is ordinarily calculated without regard to cash dividends on Underlying Index securities.

The total return index (NASDAQ: XSOX) reinvests cash dividends on the ex-date.

Both Indexes reflect extraordinary cash distributions. The total return index was synchronized to the value of the price return index at the close on December 22, 2009.

The Underlying Index is calculated during the trading day and is disseminated once per second from 09:30:01 to 17:16:00 ET. The closing value of the Underlying Index may change up until 17:15:00 ET due to corrections to the Last Sale Price of the Underlying Index securities. If trading in an Underlying Index security is halted on its primary listing market, the most recent Last Sale Price is used for all index computations until trading on such market resumes. Likewise, the most recent Last Sale Price is used if trading in a security is halted on its primary listing market before the market is open.

**Initial Security Eligibility Criteria.** Index eligibility is limited to specific security types only. The security types eligible for the Underlying Index include common stocks, ordinary shares, ADRs, shares of beneficial interest or limited partnership interests.

To be eligible for inclusion in the Underlying Index, a security must meet the following criteria:

- a security must be listed on NASDAQ, the NYSE, NYSE American, or the CBOE Exchange;
- the issuer of the security must be classified as a company whose primary business is involved in the design, distribution, manufacture, and sale of semiconductors under the Industry Classification Benchmark<sup>2</sup> code 9576;
- one security per issuer is permitted. If an issuer has multiple securities, the security with the largest market capitalization will be selected for possible inclusion in the Underlying Index;
- the security must have a minimum market capitalization of at least \$100 million;
- the security must have traded at least 1.5 million shares in each of the last six months;
- the security must have listed options on a recognized options market in the U.S. or be eligible for listed-options trading on a recognized options market in the U.S.;
- the security may not be issued by an issuer currently in bankruptcy proceedings;
- the issuer of the security may not have entered into a definitive agreement or other arrangement which would likely result in the security no longer being Index eligible;
- the issuer of the security may not have annual financial statements with an audit opinion that is currently withdrawn; and
- the issuer of the security must have been “seasoned” on a recognized market for at least 3 months.

**Index Evaluation.** The Underlying Index securities are evaluated annually in September. The above Eligibility Criteria are applied using market data as of the end of July. Securities meeting the Criteria are then ranked by market capitalization. The top 30 securities by market capitalization are included in the Underlying Index. Security additions and deletions are made effective after the close of trading on the third Friday in September.

Additionally, if at any time during the year other than during the ranking review, an Underlying Index security is determined to have become ineligible for continued inclusion in the Underlying Index, or at the end of January, April, July or October does not have a Last Sale Price of at least \$3.00, then the security will be replaced with the largest market capitalization security not currently in the Index and that both meets the Eligibility Criteria listed above and has at least a \$3.00 Last Sale Price. Ordinarily, a security will be removed from the Index at its Last Sale Price. If, however, at the time of its removal a security is halted from trading on its primary listing market and an official closing price cannot be readily determined, the security may, in NASDAQ’s discretion, be removed at a zero price. The zero price will be applied to the security after the close of the market but prior to the time the official closing value of the Index is disseminated, which is ordinarily 17:16:00 ET.

**Index Maintenance.** Changes in the price and/or Index Shares driven by corporate events such as stock dividends, stock splits and certain spin-offs and rights issuances are adjusted on the ex-date. If the change in total shares outstanding arising from other corporate actions is greater than or equal to 10.0%, the change is made as soon as practicable. (If a security is a depositary receipt, the total shares outstanding is the actual depositary shares outstanding as reported by the depositary banks.) Otherwise, if the change in total shares outstanding is less than 10.0%, then all such changes are accumulated through the end of February, May, August and November and made effective at one time on a quarterly basis after the close

of trading on the third Friday in each of March, June, September and December. The Index Shares are adjusted by the same percentage amount by which the total shares outstanding have changed.

A special cash dividend announced by the listing exchange will result in an adjustment to the Last Sale Price of an Underlying Index security prior to market open on the ex-date for the special amount distributed. A special dividend may also be referred to as extra, extraordinary, non-recurring, one-time, unusual, etc.

Ordinarily, whenever there is a change in Index Shares, a change in a security, or a change to the price of a security due to spin-offs, rights issuances or special cash dividends, the Divisor is adjusted to ensure that there is no discontinuity in the value of the Underlying Index which might otherwise be caused by any such change. All changes are announced in advance and are reflected in the Underlying Index prior to market open on the Underlying Index effective date.

**Index Rebalancing.** The Underlying Index employs a modified market capitalization-weighting methodology. At each quarter, the Underlying Index is rebalanced such that the maximum weight of any security does not exceed 8% and no more than 5 securities are at that cap. The excess weight of any capped security is distributed proportionally across the remaining securities in the Underlying Index. If after redistribution, any of the five highest ranked securities in the Underlying Index are weighted below 8%, these securities are not capped. Next, any remaining securities in excess of 4% are capped at 4% and the excess weight is redistributed proportionally across the remaining securities in the Underlying Index. The process is repeated, if necessary, to derive the final weights.

The modified market capitalization-weighting methodology is applied to the capitalization of each security, using the Last Sale Price of the security at the close of trading on the last trading day in February, May, August and November. Index Shares are then calculated by multiplying the weight of the security derived above by the new market value of the Underlying Index and dividing the modified market capitalization for each security by its corresponding Last Sale Price. The changes are effective after trading on the third Friday in March, June, September and December.

In administering the Underlying Index, NASDAQ may, from time to time, exercise reasonable discretion as it deems appropriate in order to ensure the integrity of the Underlying Index.

**Index Availability.** The Underlying Index is calculated continuously and widely disseminated to major data vendors.

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<sup>1</sup> For purposes of this document, “Last Sale Price” refers to the following: For a security listed on NASDAQ, it is the last sale price on NASDAQ, which normally would be the Nasdaq Official Closing Price (“NOCP”) when NASDAQ is closed. For any NYSE-listed or NYSE MKT-listed security, it is the last regular way trade reported on such security’s primary U.S. listing market. If a security does not trade on its primary listing market on a given day, the most recent last sale price from the primary listing market (adjusted for corporate actions, if any) is used.

<sup>2</sup> Industry Classification Benchmark (“ICB”) is a product of FTSE and has been licensed for use.

## The Russell Indexes

**Component Selection Criteria.** The securities in the Russell indexes (sometimes referred to as the “components”) are reviewed and reconstituted annually, typically after the close on the last Friday in June to reflect changes in the marketplace. The Russell Top 200<sup>®</sup> Index, Russell 2000<sup>®</sup> Index, Russell 1000<sup>®</sup> Index, Russell US Large Cap Factors Value Style Index, Russell US Large Cap Factors Growth Style Index, Russell 1000 Growth Index and Russell 1000 Value Index are subsets of the Russell 3000<sup>®</sup> Index.

The Russell 3000<sup>®</sup> Index measures the performance of approximately the largest 3,000 U.S. companies, representing approximately 98% of the investable U.S. equity market. The Russell 3000<sup>®</sup> Index is constructed to provide a comprehensive, unbiased, and stable barometer of the broad market and is completely reconstituted annually, typically after the close on the last Friday in June, to ensure new and growing equities are included.

The starting universe for the Russell 3000<sup>®</sup> Index includes all issuers listed on a U.S. Exchange that are either U.S. incorporated or incorporated in certain non-U.S. jurisdictions as Benefit-Driven Incorporations (typically tax benefit incorporations), subject to the following rules and exceptions:

- stocks must trade at or above \$1.00 on the last business day of August to be eligible for inclusion. If a stock in the index has a price lower than \$1, it can remain in the index if the average price for the month is greater than \$1;
- for ranking and membership determination, all common share classes for a single company are combined to determine total market capitalization;



- in cases where there are multiple common stock share classes and the share classes act independently of each other, each class is considered for inclusion separately; and
- also excluded are preferred and convertible preferred stock, participating preferred stock, redeemable shares, warrants and rights, trust receipts, royalty trusts, limited liability issuers, OTC bulletin boards and pink sheet stocks, mutual funds, limited partnerships, and foreign stocks.

All eligible securities are sorted by decreasing total market capitalization to determine index eligibility.

The Russell 1000 Index is constructed to provide a comprehensive and unbiased barometer for the large- and mid-capitalization segments of the investable U.S. equity market. It is a float-adjusted capitalization-weighted index consisting approximately 1000 of the largest issuers in the Russell 3000 Index.

For the Russell 3000® Index and the Russell 1000® Index, the weights of component issuers are adjusted based on available float-weighted capitalization according to the market value of their available outstanding shares. The impact of a component security's price change is proportional to the issuer's total market value, which is the share price times the number of shares available. Each Russell Index is adjusted to reflect changes in capitalization resulting from mergers, acquisitions, stock rights, substitutions and other capital events.

Frank Russell Company uses a probability measure to assign stocks to the growth and value style indexes. The probability measure is used to indicate the degree of certainty that a stock is value or growth, based on three fundamental indicators: relative price-to-book ("PB") ratio, Institutional Brokers' Estimate System forecast medium-term growth (2 years) and sales per share historical growth (5 years). This method allows stocks to be represented as having both growth and value characteristics, while preserving the additive nature of the indexes. As a result, a stock may be a component of a Russell growth style index and also a component of the corresponding value style index, although the stock would likely have a different weight in each index.

**Issue Changes.** Securities that leave the Russell Indexes between reconstitution dates are not replaced. Thus, the number of securities in the investments over the year will fluctuate according to corporate activity. When a stock is acquired, delisted or moves to the pink sheets or OTC bulletin boards, the stock is deleted from the relevant indexes.

When acquisitions or mergers take place, the stock's capitalization moves to the acquiring stock, hence, mergers have no effect on index total capitalization if the acquiring stock is part of the index. The only additions between reconstitution dates are as a result of spin-offs and IPOs.

**Issue Changes for the Focused Value Select Index.** The Focused Value Select Index will be reviewed monthly, with changes being implemented after the close of the 6<sup>th</sup> business day. Changes arising from review are announced after the close of the 4<sup>th</sup> business day. The Underlying Index is rebalanced to the Target Index if any of the following conditions are met:

- The Underlying Index's Composite Score is less than 80% of the Target Index's Composite Score.
- The Underlying Index has fewer than 40 securities.
- The Underlying Index includes a security with weight greater than 20% of the Underlying Index.
- The largest 5 securities by weight in the Underlying Index have a weight that is greater than 50% of the Underlying Index.

If no rebalance is triggered, the index weights and constituents remain unchanged.

A constituent will be removed from the Underlying Index if it is also removed from the Parent Index. The deletion will be concurrent with the deletion from the Underlying Index and its weight will be distributed pro-rata amongst the remaining constituents. Thus, the number of securities in the investments over the year will fluctuate according to corporate activity.

Additions to the Parent Index will be considered for inclusion in the Underlying Index at the next review.

**Index Maintenance.** Maintaining the Russell indexes includes monitoring and completing the adjustments for company additions and deletions, share changes, stock splits, stock dividends, and stock price adjustments due to restructuring and spin-offs and quarterly initial public offerings. In addition, significant share capital changes are made at month-end. The divisor is adjusted for all changes in company market value to leave the value of the investments unaffected. All divisor adjustments are made after the close of trading and after the calculation of the closing value of the Russell indexes.



**Index Availability.** The Russell indexes are calculated continuously and are available from major data vendors.

### **Focused Value Select Index**

#### **Number of Components: approximately 40**

**Index Description.** The Focused Value Select Index measures the performance of large- and mid-capitalization U.S. companies with prominent value factor characteristics, as determined by Russell. The Underlying Index is a subset of the Russell 1000® Index (the Parent Index), which measures the performance of the large- and mid-capitalization sector of the U.S. equity market, as defined by Russell. The starting universe for the Underlying Index includes all issuers within the Parent Index that are listed on a U.S. exchange and that are either U.S. incorporated or incorporated in certain non-U.S. jurisdictions as benefit-driven corporations (typically tax benefit corporations), subject to the following rules and exceptions:

- If a company has issued multiple lines of equity capital, only one eligible line is included. The eligible line is the line with the highest 252 days average daily dollar trading volume (“ADDTV”). A minimum of 200 days of daily observations are required to calculate ADDTV. If a line has missing ADDTV, the line is excluded. If all lines have no ADDTV, the line with the highest free float market cap is selected.
- Securities ranked within the top 10% highest risk or with missing data are excluded. Risk is defined as the 1 year trailing realized volatility of daily total returns. A minimum of 200 days of daily return observations are required to calculate volatility.
- Securities ranked within the top 10% highest leverage or with missing data are excluded. Leverage is defined as total debt to total assets sourced from third party data provider.
- Also excluded are preferred and convertible preferred stock, participating preferred stock, redeemable shares, warrants and rights, trust receipts, royalty trusts, limited liability issuers, OTC bulletin boards and pink sheet stocks, mutual funds, limited partnerships, and foreign stocks.

To determine constituents exhibiting prominent value characteristics, the Underlying Index uses a ‘sentiment’ screen. A sentiment score is calculated using estimates for earnings per share sourced from third party data providers. The sentiment score is calculated as follows:

$$\frac{(\text{Number of upgrades for earnings per share for current and next fiscal year} - \text{Number of downgrades for earnings per share for current and next fiscal year})}{\text{Total number of estimates for earnings per share for current and next fiscal year}}$$

Securities with a negative sentiment score or missing data are excluded. Eligible securities are ranked by a weighted composite score of four value metrics (price-to-book, price-to-earnings, price-to-cash flow from operations and price-to-dividend) (the Composite Score). The top 40 ranked stocks are selected to form the Target Index, which is re-evaluated each month. Each security included in the Target Index is equally weighted.

### **Russell 1000® Index**

#### **Number of Components: approximately 997**

**Index Description.** The Russell 1000 Index measures the performance of the large- and mid-capitalization segments of the U.S. equity market. It is a subset of the Russell 3000 Index and serves as the parent index for the Russell 1000 Growth and Value Indexes, the Russell Top 200 Index, and the Russell Midcap Index. It is a float-adjusted capitalization-weighted index consisting approximately 1000 of the largest issuers in the Russell 3000 Index. The Underlying Index represents approximately 93% of the market capitalization of listed U.S. equities and is a leading benchmark of the large cap U.S. market.

### **Russell 1000® Growth Index**

#### **Number of Components: approximately 532**

**Index Description.** The Russell 1000 Growth Index measures the performance of the large-capitalization growth sector of the U.S. equity market. It is a subset of the Russell 1000 Index. It is a style factor weighted index consisting of those issuers within the Russell 1000 Index that have higher PB ratios and higher forecasted growth, and represents approximately 51% of the total market value of the Russell 1000 Index.

### **Russell 1000® Pure Domestic Exposure Index**

**Number of Components: approximately 417**

**Index Description.** The Russell 1000® Pure Domestic Exposure Index is designed to reflect the performance of the common stock of companies that earn a higher percentage of their revenues through sales in the U.S. as compared to other large- and mid-capitalization companies in the U.S. equity market. The Russell 1000® Pure Domestic Exposure Index is a subset of the market capitalization-weighted Russell 1000 Index and is reviewed annually in September using data at the close of the last business day of August (the data cut-off date), incorporating eligible index constituents as of the Monday following the third Friday of September. All companies in the Russell 1000 Index that have a domestic sales ratio of 90% or greater will be included in the Russell 1000® Pure Domestic Exposure Index. Once included in the Russell 1000® Pure Domestic Exposure Index, a security must maintain a domestic sales ratio of 85%.

**Russell 1000® Value Index****Number of Components: approximately 765**

**Index Description.** The Russell 1000 Value Index measures the performance of the large-capitalization value sector of the U.S. equity market. It is a subset of the Russell 1000 Index. It is a style factor weighted index consisting of those issuers within the Russell 1000 Index that have lower PB ratios and lower forecasted growth, and represents approximately 49% of the total market value of the Russell 1000 Index.

**Russell 2000® Index****Number of Components: approximately 1,979**

**Index Description.** The Russell 2000 Index measures the performance of the small-capitalization sector of the U.S. equity market. It is a subset of the Russell 3000 Index and serves as the parent index for the Russell 2000 Growth and Value Indexes. It is a float-adjusted capitalization-weighted index consisting approximately 2000 of the smallest issuers in the Russell 3000 Index. The Underlying Index represents approximately 7% of the market capitalization of listed U.S. equities and is a leading benchmark of the U.S. small cap equity market. The Underlying Index has a total market capitalization of approximately \$2 trillion.

**Russell 2000® Growth Index****Number of Components: approximately 1,167**

**Index Description.** The Russell 2000 Growth Index measures the performance of the small-capitalization growth sector of the U.S. equity market. It is a subset of the Russell 2000 Index. It is a style factor weighted index consisting of those issuers within the Russell 2000 Index that have higher PB ratios and higher forecasted growth, and represents approximately 52% of the total market value of the Russell 2000 Index.

**Russell 2000® Value Index****Number of Components: approximately 1,391**

**Index Description.** The Russell 2000 Value Index measures the performance of the small-capitalization value sector of the U.S. equity market. It is a subset of the Russell 2000 Index. It is a style factor weighted index consisting of those issuers within the Russell 2000 Index that have lower PB ratios and lower forecasted growth, and represents approximately 48% of the total market value of the Russell 2000 Index.

**Russell 3000® Index****Number of Components: approximately 2,976**

**Index Description.** The Russell 3000 Index measures the performance of the broad U.S. equity market. It serves as the parent index for Russell 3000 Growth and Value Indexes as well as the Russell 1000 and Russell 2000 Indexes. It is a float-adjusted capitalization-weighted index of the 3000 largest issuers determined to have the U.S. as their primary country of risk. The Russell 3000 Index represents approximately 100% of the market capitalization of listed U.S. equities and is a leading benchmark of the broad U.S. equity market.

**Russell Microcap® Index****Number of Components: approximately 1,454**

**Index Description.** The Russell Microcap Index measures the performance of the microcap sector of the U.S. equity market. The Russell Microcap Index consists of approximately the 1,000 smallest issuers in the Russell 3000 Index plus up to the next smallest 1,000 issuers in the equity universe as determined by Russell. The Russell Microcap Index is a float-adjusted capitalization-weighted index and includes issuers ranging in total market capitalization from approximately \$4 million to \$4.6 billion, though these amounts may change from time to time. The Russell Microcap Index includes issuers representing less than approximately 3% of the total market capitalization of listed U.S. equity securities.

#### **Russell Midcap® Index**

**Number of Components: approximately 802**

**Index Description.** The Russell Midcap Index is a float-adjusted capitalization-weighted index that measures the performance of the mid-capitalization sector of the U.S. equity market. The Russell Midcap Index consists of approximately 800 of the smallest issuers in the Russell 1000 Index reflecting issuers which range in size between approximately \$1.6 billion and \$41.8 billion, though these amounts may change from time to time. The Russell Midcap Index represents approximately 28% of the total market capitalization of the Russell 1000 companies.

#### **Russell Midcap® Growth Index**

**Number of Components: approximately 405**

**Index Description.** The Russell Midcap Growth Index is a style factor weighted index that measures the performance of the mid-capitalization growth sector of the U.S. equity market. It is a subset of the Russell Midcap Index, representing approximately 42% of the total market value of the Russell Midcap Index. The Underlying Index measures the performance of those Russell Midcap Index issuers with higher PB ratios and higher forecasted growth.

#### **Russell Midcap® Value Index**

**Number of Components: approximately 632**

**Index Description.** The Russell Midcap Value Index is a float-adjusted capitalization-weighted index that measures the performance of the mid-capitalization value sector of the U.S. equity market. It is a subset of the Russell Midcap Index, representing approximately 58% of the total market value of the Russell Midcap Index. The Underlying Index measures the performance of those Russell Midcap Index issuers with lower PB ratios and lower forecasted growth.

#### **Russell Top 200® Index**

**Number of Components: approximately 195**

**Index Description.** The Russell Top 200 Index measures the performance of the largest capitalization sector of the U.S. equity market. It is a float-adjusted capitalization-weighted index consisting of approximately 195 of the largest issuers in the Russell 3000 Index. The Russell Top 200 Index represents approximately 67% of the total market capitalization of all publicly-traded U.S. equity securities.

#### **Russell Top 200® Growth Index**

**Number of Components: approximately 127**

**Index Description.** The Russell Top 200 Growth Index measures the largest capitalization growth sector of the U.S. equity market. It is a subset of the Russell Top 200 Index, which consists of approximately the 200 largest issuers in the Russell 3000 Index. The Underlying Index is a float-adjusted capitalization-weighted index consisting of those issuers within the Russell Top 200 Index that have higher PB ratios and higher forecasted growth, and represents approximately 54% of the total market value of the Russell Top 200 Index. Many issuers are represented in both the Russell Top 200 Growth Index and the Russell Top 200 Value Index.

#### **Russell Top 200® Value Index**

**Number of Components: approximately 133**

**Index Description.** The Russell Top 200 Value Index measures the largest capitalization value sector of the U.S. equity market. It is a subset of the Russell Top 200 Index, which consists of approximately the 200 largest issuers in the Russell 3000 Index. The Underlying Index is a style factor weighted index consisting of those issuers within the Russell Top 200 Index that

have lower PB ratios and lower forecasted growth, and represents approximately 46% of the total market value of the Russell Top 200 Index. Many issuers are represented in both the Russell Top 200 Growth Index and the Russell Top 200 Value Index.

### **Russell US Large Cap Factors Blend Style Index**

#### **Number of Components: approximately 213**

**Index Description.** The Russell US Large Cap Factors Blend Style Index is a subset of the Russell 1000 Index (the “Parent Index”), which measures the performance of the large- and mid-capitalization segments of the U.S. equity market, as defined by Russell. The Underlying Index is reviewed monthly using an optimization process designed to maximize, in aggregate, the Underlying Index’s exposure to the weighted combination of five target investment style factors (momentum, value, quality, size, and low volatility) while maintaining total risk similar to that of the Parent Index. The value score is calculated from the following value factor metrics: 12-month trailing book-to-price, dividend yield, earnings yield and cash flow yield (i.e., cash flow divided by the full market capitalization). The momentum score is calculated from three momentum factor metrics: price momentum, earnings momentum and earnings announcement drift (i.e., the difference between a stock’s performance on and immediately following an earnings announcement date). The quality score is calculated from four quality factor metrics: gross profitability, dilution, accruals and changes in net operating assets. The low volatility score is calculated based on a 12-month trailing realized volatility, and the size score seeks to measure the market capitalization of each company as compared to other companies of the Parent Index.

**Index Methodology.** The methodology uses a composite score (by using a weighting of the five factor scores determined by the Index Provider) as an input to the optimizer. At each monthly review, the optimizer aims to maximize the overall exposure to the five style factors via the composite score and maintain a level of forecast risk similar that of the Parent Index, while also limiting exposures to sectors, countries and component weights relative to the parent index. The optimizer selects securities from the Parent Index and assigns weights such that the optimization objective and constraints are best satisfied. Changes arising from each monthly review are announced after the close of fourth business day of each month and implemented after the close of the sixth business day of each month.

### **Russell US Large Cap Factors Growth Style Index**

#### **Number of Components: approximately 103**

**Index Description.** The Russell US Large Cap Factors Growth Style Index is a subset of the Russell 1000 Growth Index (the “Parent Index”), which measures the performance of the large- and mid-capitalization growth sector of the U.S. equity market, as defined by Russell. The Parent Index is a subset of the Russell 1000 Index, which measures the performance of the large- and mid-capitalization segments of the U.S. equity market. The Underlying Index is reviewed monthly using an optimization process designed to maximize, in aggregate, the Underlying Index’s exposure to the weighted combination of five target investment style factors (momentum, value, quality, size, and low volatility) while maintaining total risk similar to that of the Parent Index. The value score is calculated from the following value factor metrics: 12-month trailing book-to-price, dividend yield, earnings yield and cash flow yield (i.e., cash flow divided by the full market capitalization). The momentum score is calculated from three momentum factor metrics: price momentum, earnings momentum and earnings announcement drift (i.e., the difference between a stock’s performance on and immediately following an earnings announcement date). The quality score is calculated from four quality factor metrics: gross profitability, dilution, accruals and changes in net operating assets. The low volatility score is calculated based on a 12-month trailing realized volatility, and the size score seeks to measure the market capitalization of each company as compared to other companies of the Parent Index.

**Index Methodology.** The methodology uses a composite score (by using a weighting of the five factor scores determined by the Index Provider) as an input to the optimizer. At each monthly review, the optimizer aims to maximize the overall exposure to the five style factors via the composite score and maintain a level of forecast risk similar that of the Parent Index, while also limiting exposures to sectors, countries and component weights relative to the parent index. The optimizer selects securities from the Parent Index and assigns weights such that the optimization objective and constraints are best satisfied. Changes arising from each monthly review are announced after the close of fourth business day of each month and implemented after the close of the sixth business day of each month.

### **Russell US Large Cap Factors Value Style Index**

#### **Number of Components: approximately 153**

**Index Description.** The Russell US Large Cap Factors Value Style Index is a subset of the Russell 1000 Value Index (the “Parent Index”), which measures the performance of the large- and mid-capitalization value sector of the U.S. equity market, as defined by Russell. The Parent Index is a subset of the Russell 1000 Index, which measures the performance of the large- and mid-capitalization segments of the U.S. equity market. The Underlying Index is reviewed monthly using an optimization process designed to maximize, in aggregate, the Underlying Index’s exposure to the weighted combination of five target investment style factors (momentum, value, quality, size, and low volatility) while maintaining total risk similar to that of the Parent Index. The value score is calculated from the following value factor metrics: 12-month trailing book-to-price, dividend yield, earnings yield and cash flow yield (*i.e.*, cash flow divided by the full market capitalization). The momentum score is calculated from three momentum factor metrics: price momentum, earnings momentum and earnings announcement drift (*i.e.*, the difference between a stock’s performance on and immediately following an earnings announcement date). The quality score is calculated from four quality factor metrics: gross profitability, dilution, accruals and changes in net operating assets. The low volatility score is calculated based on a 12-month trailing realized volatility, and the size score seeks to measure the market capitalization of each company as compared to other companies of the Parent Index.

**Index Methodology.** The methodology uses a composite score (by using a weighting of the five factor scores determined by the Index Provider) as an input to the optimizer. At each monthly review, the optimizer aims to maximize the overall exposure to the five style factors via the composite score and maintain a level of forecast risk similar that of the Parent Index, while also limiting exposures to sectors, countries and component weights relative to the parent index. The optimizer selects securities from the Parent Index and assigns weights such that the optimization objective and constraints are best satisfied. Changes arising from each monthly review are announced after the close of fourth business day of each month and implemented after the close of the sixth business day of each month.

### **Russell US Mid Cap Factors Blend Style Index**

#### **Number of Components: approximately 297**

**Index Description.** The Russell US Mid Cap Factors Blend Style Index is a subset of the Russell Midcap Index (the “Parent Index”), which is a subset of the Russell 1000 that measures the performance of the mid-capitalization segments of the U.S. equity market, as defined by Russell. The Parent Index is a float-adjusted capitalization-weighted index consisting of approximately 800 of the smallest issuers in the Russell 1000 Index. The Underlying Index is reviewed monthly using an optimization process designed to maximize, in aggregate, the Underlying Index’s exposure to the weighted combination of five target investment style factors (momentum, value, quality, size, and low volatility) while maintaining total risk similar to that of the Parent Index. The value score is calculated from the following value factor metrics: 12-month trailing book-to-price, dividend yield, earnings yield and cash flow yield (*i.e.*, cash flow divided by the full market capitalization). The momentum score is calculated from three momentum factor metrics: price momentum, earnings momentum and earnings announcement drift (*i.e.*, the difference between a stock’s performance on and immediately following an earnings announcement date). The quality score is calculated from four quality factor metrics: gross profitability, dilution, accruals and changes in net operating assets. The low volatility score is calculated based on a 12-month trailing realized volatility, and the size score seeks to measure the market capitalization of each company as compared to other companies of the Parent Index.

**Index Methodology.** The methodology uses a composite score (by using a weighting of the five factor scores determined by the Index Provider) as an input to the optimizer. At each monthly review, the optimizer aims to maximize the overall exposure to the five style factors via the composite score and maintain a level of forecast risk similar that of the Parent Index, while also limiting exposures to sectors, countries and component weights relative to the parent index. The optimizer selects securities from the Parent Index and assigns weights such that the optimization objective and constraints are best satisfied. Changes arising from each monthly review are announced after the close of fourth business day of each month and implemented after the close of the sixth business day of each month.

### **Russell US Small Cap Factors Blend Style Index**

#### **Number of Components: approximately 601**

**Index Description.** The Russell US Small Cap Factors Blend Style Index is a subset of the Russell 2000 Index (the “Parent Index”), which is a subset of the Russell 3000 Index that measures the performance of the small-capitalization segment of the U.S. equity market, as defined by Russell. The Parent Index is a float-adjusted capitalization-weighted index consisting of approximately 2,000 of the smallest issuers in the Russell 3000 Index. The Underlying Index excludes constituents in the Parent Index that rank in the least liquid 20%, as determined by the Index Provider (*i.e.*, approximately 400 constituents). The



Underlying Index is reviewed monthly using an optimization process designed to maximize, in aggregate, the Underlying Index's exposure to the weighted combination of five target investment style factors (momentum, value, quality, size, and low volatility) while maintaining total risk similar to that of the Parent Index. The value score is calculated from the following value factor metrics: 12-month trailing book-to-price, dividend yield, earnings yield and cash flow yield (i.e., cash flow divided by the full market capitalization). The momentum score is calculated from three momentum factor metrics: price momentum, earnings momentum and earnings announcement drift (i.e., the difference between a stock's performance on and immediately following an earnings announcement date). The quality score is calculated from four quality factor metrics: gross profitability, dilution, accruals and changes in net operating assets. The low volatility score is calculated based on a 12-month trailing realized volatility, and the size score seeks to measure the market capitalization of each company as compared to other companies of the Parent Index.

**Index Methodology.** The methodology uses a composite score (by using a weighting of the five factor scores determined by the Index Provider) as an input to the optimizer. At each monthly review, the optimizer aims to maximize the overall exposure to the five style factors via the composite score and maintain a level of forecast risk similar that of the Parent Index, while also limiting exposures to sectors, countries and component weights relative to the parent index. The optimizer selects securities from the Parent Index and assigns weights such that the optimization objective and constraints are best satisfied. Changes arising from each monthly review are announced after the close of fourth business day of each month and implemented after the close of the sixth business day of each month.

## The S&P Indexes

**Component Selection Criteria for Domestic Indexes.** S&P Dow Jones Indices LLC's ("SPDJI") various Index Committees are responsible for the overall management of SPDJI's indices ("S&P DJI Indices"). Issuers (*i.e.*, the "components") selected for the S&P U.S. indexes represent a broad range of industry segments within the U.S. economy. The starting universe of publicly traded U.S. issuers classified by the Global Industry Classification Standard (GICS®) is screened to eliminate ADRs, mutual funds, limited partnerships, royalty trusts, certain holding issuers, OTC bulletin board issues, pink sheet-listed issues, closed-end funds, ETFs and tracking stocks. REITs, except for mortgage REITs, are eligible for inclusion in the Indexes. The stock of each constituent must trade on either the NYSE, the NYSE Amex Equities or on NASDAQ. Additionally, only one share class per constituent will be included in an Index. The share class is selected by SPDJI and is generally defined as the largest, most liquid share class. Issuers with multiple share classes will have the classes combined for purposes of calculation of market capitalization. The following criteria are then analyzed to determine an issuer's eligibility for inclusion in the S&P Indexes: (i) ownership of an issuer's outstanding common stock, in order to screen out closely held issuers; (ii) trading volume of an issuer's shares, in order to ensure ample liquidity and efficient share pricing; and (iii) the financial and operating condition of an issuer.

The S&P DJI's Indices are capitalization-weighted, based on the following formula: number of outstanding shares of a constituent (as determined by the float-adjusted market capitalization using SPDJI's methodology) multiplied by the constituent's share price. Issuers with float-adjusted market capitalizations below certain thresholds are not eligible for the Indexes. In addition, the market capitalization of an issuer eligible for inclusion typically must be greater than the Index's minimum market capitalization at the time it is being considered for Index inclusion. The market capitalizations of an Index's components are adjusted to reflect changes in capitalization resulting from mergers, acquisitions, stock rights, substitutions and other capital events. The market capitalizations of an Index's constituent are adjusted for all strategic holdings, including private, corporate, and government holdings.

**Component Selection Criteria for International Indexes.** Stocks are eligible for the S&P Global Indices if they meet criteria for size, liquidity, profitability, and sector and market representation. Each of the S&P Global Indices is balanced across country and sector weights in the region/market. The S&P Global Indices begin with an eligible investable universe of stocks covering approximately 95% of each country's total market capitalization. In some cases, the S&P Global Indexes may include ADRs and GDRs. Stocks with relatively small market capitalization or insufficient liquidity are excluded by SPDJI. To identify a candidate pool for index constituent selection, all stocks are carefully examined using a set of general criteria. The specific securities are then screened for industry sector classification; thus, the eligible securities are ranked according to GICS. Then, the Index components, now determined, are weighted on the basis of SPDJI's float-adjusted, market capitalization methodology. Generally, SPDJI observes a prospective constituent's liquidity over a period of at least twelve months before consideration for inclusion. However, there may be extraordinary situations when issuers should be added immediately (*e.g.*, certain privatizations). When a particular issuer dominates its home market, it may be excluded from an Index if analysis of the sectors reveals that its securities are not as liquid as those of similar issuers in other countries. Once a year, the float



adjustments will be reviewed and potentially changed based on such review. The values of an Index's components are adjusted to reflect changes in capitalization resulting from mergers, acquisitions, stock rights, substitutions and other capital events. The market capitalization of index constituent issuers is adjusted for all strategic holdings, including private, corporate, and government holdings.

With respect to the non-U.S. components of the S&P Global Indexes, the eligible universe of index components that are considered for inclusion are from the following S&P DJI Indices: (i) the S&P/TSX 60 (Toronto Stock Exchange), which represents the liquid, large-cap stocks of the publicly listed issuers in the Canadian equities market; (ii) the S&P/TOPIX 150 (TSE) which represents the liquid, large-cap stocks of the publicly-listed issuers in the Japanese equities market; (iii) S&P/ASX All-Australian 50 Index (Australian Stock Exchange), which represents the liquid, large-cap stocks in the Australian equities market; (iv) the S&P Asia 50, which represents the liquid, large-cap stocks of four major equities markets in Asia (Hong Kong, South Korea, Taiwan and Singapore); (v) the S&P Latin America 40, which represents the liquid, large-cap stocks from major sectors of the Mexico, Brazil, Peru, Colombia and Chile equity markets; and (vi) the S&P Europe 350, which represents the liquid, large-cap stocks of the publicly listed issuers in the region, covering approximately 70% of the region's market capitalization.

**Issue Changes.** General oversight responsibility for the S&P DJI Indices, including overall policy guidelines and methodology, is handled by the S&P Global Index Committee. Maintenance of component investments, including additions and deletions to these investments, is the responsibility of separate regional index committees composed of S&P staff specialized in the various regional equity markets and, in some cases, with the assistance of local stock exchanges. Public announcements of index changes as the result of committee decisions will generally be made two business days in advance of the anticipated effective date whenever possible, although for exceptional corporate events announcements may be made earlier.

**Index Maintenance.** Maintaining the S&P DJI Indices includes monitoring and completing the adjustments for issuer additions and deletions, share changes, stock splits, stock dividends, and stock price adjustments due to restructuring and spin-offs. An issuer will be removed from the S&P DJI Indices as a result of mergers/acquisitions, bankruptcy, or restructuring. An issuer is removed from the relevant index as close as possible to the actual date on which the event occurred. An issuer can be removed from an index because it no longer meets current criteria for inclusion and/or is no longer representative of its industry group. All replacement issuers are selected based on the above component section criteria.

When calculating index weights, individual components shares held by governments, corporations, strategic partners, or other control groups are excluded from the issuer's shares outstanding. Shares owned by other issuers are also excluded regardless of whether they are index components. In countries with regulated environments, where a foreign investment limit exists at the sector or issuer level, the constituent's weight will reflect either the foreign investment limit or the percentage float, whichever is the more restrictive.

Each issuer's financial statements will be used to update the major shareholders' ownership. However, during the course of the year, SPDJI also monitors each issuer's Investable Weight Factor ("IWF") which is SPDJI's term for the mathematical float factor used to calculate the float adjustment. If a change in IWF is caused by a major corporate action (i.e., privatization, merger, takeover, or share offering) and the change equal to or greater than 5%, a float adjustment will be implemented as soon as reasonably possible.

Changes in the number of shares outstanding driven by corporate events such as stock dividends, splits, and rights issues will be adjusted on the ex-date. Share changes of 5% or greater are implemented when they occur. Share changes of less than 5% are only updated on a quarterly basis on the Friday near the end of the calendar quarter. Generally, index changes due to rebalancing are announced two days before the effective date by way of a news release posted on [www.us.spindices.com](http://www.us.spindices.com).

**Index Availability.** The S&P Indexes are calculated continuously and are available from major data vendors.

**Exchange Rates.** SPDJI uses the World Markets/Reuters Closing Spot Rates taken at 4:00 p.m. London time for the following funds: iShares Europe ETF, iShares Expanded Tech Sector ETF, iShares Expanded Tech-Software Sector ETF, iShares Global Consumer Staples ETF, iShares Global Energy ETF, iShares Global Financials ETF, iShares Global Industrials ETF, iShares Global Utilities ETF, iShares North American Natural Resources ETF and iShares North American Tech-Multimedia Networking ETF. Prior to January 31, 2013, SPDJI used the currency exchange (FX) rate corresponding to 5:15 p.m. Eastern time. In case World Markets/Reuters does not provide rates for specific markets on given days (for example, Christmas Day and New Year's Day),

the previous business day's rates are normally used. SPDJI independently monitors the exchange rates on all its indexes. SPDJI may under exceptional circumstances elect to use alternative sources of exchange rates if the World Markets/Reuters rates are not available, or if SPDJI determines that the World Markets/Reuters rates are not reflective of market circumstances for a given currency on a particular day.

### **S&P 100<sup>®</sup>**

**Number of Components: approximately 101**

**Index Description.** The S&P 100<sup>®</sup> is a capitalization-weighted index representing stocks from a broad range of industries, chosen for market size, liquidity and industry group representation. It is a subset of the S&P 500<sup>®</sup> and consists of blue chip stocks from diverse industries in the S&P 500<sup>®</sup> with exchange listed options. The Underlying Index is a widely tracked index for blue-chip stocks. The S&P 100<sup>®</sup> serves as the basis for the S&P 100<sup>®</sup> options contract which trades on the Chicago Board of Options Exchange.

### **S&P 500 Growth Index<sup>™</sup>**

**Number of Components: approximately 273**

**Index Description.** The S&P 500 Growth Index<sup>™</sup> is a capitalization-weighted index representing stocks with growth characteristics from a broad range of industries.

### **S&P 500<sup>®</sup>**

**Number of Components: approximately 505**

**Index Description.** The S&P 500<sup>®</sup> serves as the parent index for the S&P 500<sup>®</sup> Growth and Value Index series and the S&P 100<sup>®</sup>. It is a capitalization-weighted index representing stocks from a broad range of industries chosen for market size, liquidity and industry group representation. The S&P 500<sup>®</sup> measures the performance of the large-capitalization sector of the U.S. equity market.

### **S&P 500 Value Index<sup>™</sup>**

**Number of Components: approximately 395**

**Index Description.** The S&P 500 Value Index<sup>™</sup> is a capitalization-weighted index representing stocks with value characteristics from a broad range of industries.

### **S&P 900 Growth Index<sup>™</sup>**

**Number of Components: approximately 506**

**Index Description.** The S&P 900 Growth Index<sup>™</sup> is a capitalization-weighted index representing stocks with growth characteristics from a broad range of industries in the U.S. equity market.

The Index is rebalanced annually in December. Rebalances occur after the close on the third Friday of December and are based on growth and value metrics after the close of the last trading date in November.

### **S&P 900 Value Index<sup>™</sup>**

**Number of Components: approximately 690**

**Index Description.** The S&P 900 Value Index<sup>™</sup> is a capitalization-weighted index representing stocks with value characteristics from a broad range of industries in the U.S. equity market.

The Index is rebalanced annually in December. Rebalances occur after the close on the third Friday of December and are based on growth and value metrics after the close of the last trading date in November.

### **S&P Developed Ex-U.S. Property Index<sup>™</sup>**

**Number of Components: approximately 334**

**Index Description.** The S&P Developed Ex-U.S. Property Index<sup>™</sup> is a free float-adjusted market capitalization weighted index that defines and measures the investable universe of publicly-traded property companies domiciled in developed countries outside of the U.S.

**S&P Europe 350™****Number of Components: approximately 362**

**Index Description.** The S&P Europe 350™ is a capitalization-weighted index of approximately 362 stocks providing geographic and economic diversity over S&P's 11 Global Industry Classification Standard (GICS®) Sectors and 16 major developed European markets, each chosen for market size, liquidity and industry group representation. The market capitalization of index constituent companies is adjusted for all strategic holdings, including private, corporate, and government holdings. The Underlying Index is adjusted to reflect changes in capitalization resulting from mergers, acquisitions, stock rights, substitutions and other capital events. The market capitalization of constituent companies is adjusted to reflect the available float and, if necessary, any foreign investment restrictions.

**S&P Global 1200 Consumer Staples (Sector) Capped Index™****Number of Components: approximately 93**

**Index Description.** The S&P Global 1200 Consumer Staples (Sector) Capped Index™ measures the performance of companies that S&P deems to be part of the consumer staples sector of the economy and that S&P believes are important to global markets. It is a subset of the S&P Global 1200™.

The Underlying Index uses a capping methodology to limit the weight of the securities of any single issuer to a maximum of 10% of the Underlying Index. Additionally, the capping methodology limits the sum of the weights of the securities of all issuers that individually constitute more than 5% of the weight of the Underlying Index to a maximum of 25% of the weight of the Underlying Index in the aggregate. In order to implement this capping methodology, the Underlying Index constrains at quarterly rebalance: (i) the weight of any single issuer to a maximum of 10%, and (ii) the aggregate weight of all issuers that individually exceed 4.50% of the index weight to maximum of 22.50%. Between scheduled quarterly index reviews, the Underlying Index is rebalanced at the end of any day on which the following constraints are breached: 25.00% for all issuers that individually represent more than 5.00% of the weight of the Underlying Index. In implementing this capping methodology, SPDJI may consider two or more companies as belonging to the same issuer where there is reasonable evidence of common control.

**S&P Global 1200 Energy Index™****Number of Components: approximately 61**

**Index Description.** The S&P Global 1200 Energy Index™ measures the performance of companies that S&P deems to be part of the energy sector of the economy and that S&P believes are important to global markets. The Underlying Index is a subset of the S&P Global 1200™.

**S&P Global 1200 Financials Index™****Number of Components: approximately 193**

**Index Description.** The S&P Global 1200 Financials Index™ measures the performance of companies that S&P deems to be part of the financials sector of the economy and that S&P believes are important to global markets. The Underlying Index is a subset of the S&P Global 1200™.

**S&P Global 1200 Industrials Index™****Number of Components: approximately 200**

**Index Description.** The S&P Global 1200 Industrials Index™ measures the performance of companies that S&P deems to be part of the industrials sector of the economy and that S&P believes are important to global markets. It is a subset of the S&P Global 1200™.

**S&P Global 1200 Utilities Index™****Number of Components: approximately 66**

**Index Description.** The S&P Global 1200 Utilities Index™ measures the performance of companies that S&P deems to be part of the Utilities sector of the economy and that S&P believes are important to global markets. It is a subset of the S&P Global 1200™.

**S&P Global Infrastructure Index™**

**Number of Components: approximately 74**

**Index Description.** The S&P Global Infrastructure Index™ is designed to track the performance of the stocks of large infrastructure companies around the world. The Underlying Index includes companies involved in: utilities, energy and transportation infrastructure, such as the management or ownership of oil and gas storage and transportation; airport services; highways and rail tracks; marine ports and services; and electric, gas and water utilities.

**S&P International Preferred Stock Index™****Number of Components: approximately 101**

**Index Description.** The S&P International Preferred Stock Index™ measures the performance of a select group of preferred stocks trading on non-U.S. developed market exchanges, as defined by S&P. The preferred stocks included in the Underlying Index are selected by S&P using the methodology described below.

In general terms, the Underlying Index includes developed-market preferred stocks with a market capitalization of over \$125 million that meet minimum price, liquidity, maturity and other requirements determined by S&P. S&P excludes from the Underlying Index: (i) preferred stocks which are structured products and brand-name products issued by financial institutions or are packaged securities linked to indexes, baskets of stocks or another company's stock; (ii) preferred stocks that are issued by special ventures such as highway, airport, or dam operators; (iii) preferred stocks that have a mandatory conversion or scheduled maturity within the next 12 months; and (iv) trust preferred stocks. Once an issue of preferred stock is included in the Underlying Index, the removal criteria listed below are used to test its continuing eligibility as opposed to the exclusion factors listed above.

All additions to the Underlying Index are made on a quarterly rebalancing date, and there are no intra-quarter additions made to the Underlying Index. Inclusion in the Underlying Index is limited to issues whose indicated dividend yield is greater than or equal to 1% and less than or equal to 20%. In addition, for initial inclusion eligibility, each individual issue must be a preferred stock which has traded an average of 250,000 shares per month over the previous six months, as of the rebalancing reference date. Issues with fewer than six months of trading history are evaluated over the available period and may be included should size and available trading history infer the issue satisfies this requirement.

Preferred stocks are removed from the Underlying Index on a quarterly rebalancing date if they: (i) have an outstanding market capitalization of less than \$100 million; (ii) have a six-month average monthly trading volume of less than 100,000 shares and have been a component of the Index for at least 12 months; or (iii) have an undetermined indicated dividend yield or an indicated dividend yield of less than 1% or greater than 20%.

Share changes for existing Underlying Index components occur semiannually in January and July. The data reference date for additions to and deletions from the Underlying Index is the last trading date of the month immediately preceding the rebalancing month. The Underlying Index is rebalanced on a quarterly basis; and changes are effective after the close of trading on the third Friday of January, April, July and October. The Underlying Index is calculated with a capped market capitalization weighting scheme, with modifications being made to Underlying Index shares to prevent single stock concentration. There is no limit to the number of lines of a single company's preferred stock is allowed in the Underlying Index; however, a maximum weight of 10% is set per issuer. All eligible lines for an issuer are included in the Underlying Index and capped on a pro rata basis to a maximum of 4% individual stock cap. In addition, the weight of preferred stocks with trading volumes of less than 250,000 shares per month on average over the previous six months must not exceed 25% of the Underlying Index. For purposes of this limitation, S&P defines a single issuer to include companies that are under common control or are guaranteed by the same entity which is also affiliated with such companies. In the event the market capitalization weight of an issuer would exceed 10% or an issue would exceed 4% of the Underlying Index, all other stock weights in the Underlying Index are increased proportionately to account for such difference.

A constituent is removed intra-quarter if it is called or undergoes mandatory conversion or redemption. Subject to market conditions, S&P will provide clients with five-days advance notice of a deletion. Should an existing member of the Underlying Index delist during the five-day notification period, it is removed at the closing price from its last day of trading. The quarterly rebalancing also results in deletions if constituents no longer meet continued eligibility requirements.

**S&P MidCap 400®****Number of Components: approximately 400**

**Index Description.** The S&P MidCap 400<sup>®</sup> serves as the parent index for the S&P MidCap 400<sup>®</sup> Growth and Value Index series. The Underlying Index measures the performance of the mid-capitalization sector of the U.S. equity market. The securities added to the Underlying Index have a market capitalization between \$2.4 billion and \$8.2 billion at the time of inclusion (which may fluctuate depending on the overall level of the equity markets) and are selected for liquidity and industry group representation.

#### **S&P MidCap 400 Growth Index<sup>™</sup>**

**Number of Components: approximately 233**

**Index Description.** The S&P MidCap 400 Growth Index<sup>™</sup> is a capitalization-weighted index representing stocks with growth characteristics from a broad range of industries.

#### **S&P MidCap 400 Value Index<sup>™</sup>**

**Number of Components: approximately 295**

**Index Description.** The S&P MidCap 400 Value Index<sup>™</sup> is a capitalization-weighted index representing stocks with value characteristics from a broad range of industries.

#### **S&P North American Expanded Technology Sector Index<sup>™</sup>**

**Number of Components: approximately 300**

**Index Description.** The S&P North American Expanded Technology Sector Index<sup>™</sup> is designed to measure the performance of U.S.-traded stocks from the technology sector and select technology-related companies from the communication services and consumer discretionary sectors in the U.S. and Canada.

The Underlying Index is rebalanced semi-annually in June and December. Rebalances occur after the close on the third Friday of June and December, respectively.

#### **S&P North American Expanded Technology Software Index<sup>™</sup>**

**Number of Components: approximately 101**

**Index Description.** The S&P North American Expanded Technology Software Index<sup>™</sup> is designed to measure the performance of U.S.-traded stocks from the software industry and select companies from the interactive home entertainment and interactive media and services sub-industries in the U.S. and Canada.

The Underlying Index is rebalanced semi-annually in June and December. Rebalances occur after the close on the third Friday of June and December, respectively.

#### **S&P North American Natural Resources Sector Index<sup>™</sup>**

**Number of Components: approximately 100**

**Index Description.** The S&P North American Natural Resources Sector Index<sup>™</sup> is designed to measure the performance of U.S.-traded stocks of natural resource-related companies in the U.S. and Canada.

#### **S&P North American Technology Multimedia Networking Index<sup>™</sup>**

**Number of Components: approximately 22**

**Index Description.** The S&P North American Technology Multimedia Networking Index<sup>™</sup> is designed to measure the performance of U.S.-traded stocks of communication equipment companies in the U.S. and Canada.

#### **S&P SmallCap 600 Growth Index<sup>™</sup>**

**Number of Components: approximately 335**

**Index Description.** The S&P SmallCap 600 Growth Index<sup>™</sup> is a capitalization-weighted index representing stocks with growth characteristics from a broad range of industries.

#### **S&P SmallCap 600<sup>®</sup>**

**Number of Components: approximately 601**



**Index Description.** The S&P SmallCap 600<sup>®</sup> serves as the parent index for the S&P SmallCap 600<sup>®</sup> Growth and Value Index series. It is a capitalization-weighted index from a broad range of industries chosen for market size, liquidity and industry group representation. The Underlying Index measures the performance of publicly-traded securities in the small-capitalization sector of the U.S. equity market. The stocks in the Underlying Index have a market capitalization between \$600 million and \$2.4 billion (which may fluctuate depending on the overall level of the equity markets) and are selected for liquidity and industry group representation.

#### **S&P SmallCap 600 Value Index<sup>™</sup>**

**Number of Components: approximately 451**

**Index Description.** The S&P SmallCap 600 Value Index<sup>™</sup> is a capitalization-weighted index representing stocks with value characteristics from a broad range of industries.

#### **S&P Total Market Index<sup>™</sup>**

**Number of Components: approximately 3,714**

**Index Description.** The S&P Total Market Index<sup>™</sup> is composed of S&P 500<sup>®</sup> members and S&P Completion Index<sup>™</sup> members, which together are designed to track the broad equity market, including large-, mid-, small- and micro-capitalization companies. The index includes all eligible common equities listed on the NYSE (including NYSE Arca and NYSE American), the NASDAQ Global Select Market, the NASDAQ Select Market, the NASDAQ Capital Market and Investors Exchange (IEX), Cboe BZX, Cboe BYX, Cboe EDGA and Cboe EDGX, Inc. The securities in the S&P Total Market Index<sup>™</sup> are weighted based on the float-adjusted market value of their outstanding shares. Securities with higher total float-adjusted market values have a larger representation in the S&P Total Market Index<sup>™</sup>. The S&P 500<sup>®</sup> measures the performance of the large-capitalization sector of the U.S. equity market excluding S&P 500 constituents. The S&P Completion Index<sup>™</sup> measures the performance of the mid-, small- and micro-capitalization sector of the U.S. equity market.

For more information about SPDJI, including its limited relationship with BlackRock, Inc. and its affiliates and the limitations of the S&P DJI indices, please refer to the applicable Prospectus.

## **Investment Policies**

The Board has adopted as fundamental policies the following numbered investment policies, which cannot be changed without the approval of the holders of a majority of the applicable Fund's outstanding voting securities. A vote of a majority of the outstanding voting securities of a Fund is defined in the 1940 Act as the lesser of (i) 67% or more of the voting securities present at a shareholder meeting, if the holders of more than 50% of the outstanding voting securities of the Fund are present or represented by proxy, or (ii) more than 50% of outstanding voting securities of the Fund. Each Fund has also adopted certain non-fundamental investment policies, including its investment objective. Non-fundamental investment policies may be changed by the Board without shareholder approval. Therefore, each Fund may change its investment objective and its Underlying Index without shareholder approval.

#### **Fundamental Investment Policies**

Each Fund (other than the iShares Core S&P 500 ETF, iShares Focused Value Factor ETF, iShares Global Consumer Staples ETF, iShares Global Energy ETF, iShares Global Industrials ETF, iShares Global Infrastructure ETF, iShares Global Utilities ETF, iShares International Developed Property ETF, iShares International Preferred Stock, iShares North American Tech-Multimedia Networking ETF, iShares Preferred and Income Securities ETF, iShares Russell Top 200 ETF, iShares Russell Top 200 Growth ETF, iShares Russell Top 200 Value ETF, iShares U.S. Aerospace & Defense ETF, iShares U.S. Broker-Dealers & Securities Exchanges ETF, iShares U.S. Healthcare Providers ETF, iShares U.S. Home Construction ETF, iShares U.S. Infrastructure ETF, iShares U.S. Insurance ETF, iShares U.S. Medical Devices ETF, iShares U.S. Oil & Gas Exploration & Production ETF, iShares U.S. Oil Equipment & Services ETF, iShares U.S. Pharmaceuticals ETF and iShares U.S. Regional Banks ETF) will not:

1. Concentrate its investments (*i.e.*, hold 25% or more of its total assets in the stocks of a particular industry or group of industries), except that each Fund will concentrate to approximately the same extent that its Underlying Index concentrates in the stocks of such particular industry or group of industries. For purposes of this limitation, securities of the U.S. government (including its agencies and instrumentalities), repurchase agreements collateralized by U.S.



government securities, and securities of state or municipal governments and their political subdivisions are not considered to be issued by members of any industry.

2. Borrow money, except that (i) each Fund may borrow from banks for temporary or emergency (not leveraging) purposes, including the meeting of redemption requests which might otherwise require the untimely disposition of securities, and (ii) each Fund may, to the extent consistent with its investment policies, enter into repurchase agreements, reverse repurchase agreements, forward roll transactions and similar investment strategies and techniques. To the extent that it engages in transactions described in (i) and (ii), each Fund will be limited so that no more than 33 1/3% of the value of its total assets (including the amount borrowed) is derived from such transactions. Any borrowings which come to exceed this amount will be reduced in accordance with applicable law.
3. Issue any senior security, except as permitted under the 1940 Act, as amended, and as interpreted, modified or otherwise permitted by regulatory authority having jurisdiction, from time to time.
4. Make loans, except as permitted under the 1940 Act, as amended, and as interpreted, modified or otherwise permitted by regulatory authority having jurisdiction, from time to time.
5. Purchase or sell real estate, real estate mortgages, commodities or commodity contracts, but this restriction shall not prevent each Fund from trading in futures contracts and options on futures contracts (including options on currencies to the extent consistent with each Fund's investment objective and policies).
6. Engage in the business of underwriting securities issued by other persons, except to the extent that each Fund may technically be deemed to be an underwriter under the 1933 Act, in disposing of portfolio securities.

**Each of the iShares Core S&P 500 ETF, iShares Global Energy ETF and iShares North American Tech-Multimedia Networking ETF will not:**

1. Concentrate its investments (*i.e.*, hold 25% or more of its total assets in the stocks of a particular industry or group of industries), except that each Fund will concentrate to approximately the same extent that its Underlying Index concentrates in the stocks of such particular industry or group of industries. For purposes of this limitation, securities of the U.S. government (including its agencies and instrumentalities), repurchase agreements collateralized by U.S. government securities, and securities of state or municipal governments and their political subdivisions are not considered to be issued by members of any industry.
2. Borrow money, except that (i) each Fund may borrow from banks for temporary or emergency (not leveraging) purposes, including the meeting of redemption requests which might otherwise require the untimely disposition of securities, and (ii) each Fund may, to the extent consistent with its investment policies, enter into repurchase agreements, reverse repurchase agreements, forward roll transactions and similar investment strategies and techniques. To the extent that it engages in transactions described in (i) and (ii), each Fund will be limited so that no more than 33 1/3% of the value of its total assets (including the amount borrowed) is derived from such transactions. Any borrowings which come to exceed this amount will be reduced in accordance with applicable law.
3. Issue "senior securities" as defined in the 1940 Act and the rules, regulations and orders thereunder, except as permitted under the 1940 Act and the rules, regulations and orders thereunder.
4. Make loans. This restriction does not apply to: (i) the purchase of debt obligations in which each Fund may invest consistent with its investment objectives and policies; (ii) repurchase agreements and reverse repurchase agreements; and (iii) loans of its portfolio securities, to the fullest extent permitted under the 1940 Act.
5. Purchase or sell real estate, real estate mortgages, commodities or commodity contracts, but this restriction shall not prevent each Fund from trading in futures contracts and options on futures contracts (including options on currencies to the extent consistent with each Fund's investment objective and policies).
6. Engage in the business of underwriting securities issued by other persons, except to the extent that each Fund may technically be deemed to be an underwriter under the 1933 Act in disposing of portfolio securities.

**Each of the iShares Global Consumer Staples ETF, iShares Global Industrials ETF and iShares Global Utilities ETF, iShares U.S. Aerospace & Defense ETF, iShares U.S. Broker-Dealers & Securities Exchanges ETF, iShares U.S. Healthcare Providers ETF, iShares U.S. Home Construction ETF, iShares U.S. Insurance ETF, iShares U.S. Medical Devices ETF, iShares U.S. Oil & Gas Exploration & Production ETF, iShares U.S. Oil Equipment & Services ETF, iShares U.S. Pharmaceuticals ETF and iShares U.S. Regional Banks ETF will not:**

1. Concentrate its investments (*i.e.*, hold 25% or more of its total assets in the stocks of a particular industry or group of

industries), except that each Fund will concentrate to approximately the same extent that its Underlying Index concentrates in the stocks of such particular industry or group of industries. For purposes of this limitation, securities of the U.S. government (including its agencies and instrumentalities), repurchase agreements collateralized by U.S. government securities, and securities of state or municipal governments and their political subdivisions are not considered to be issued by members of any industry.

2. Borrow money, except that (i) each Fund may borrow from banks for temporary or emergency (not leveraging) purposes, including the meeting of redemption requests which might otherwise require the untimely disposition of securities, and (ii) each Fund may, to the extent consistent with its investment policies, enter into repurchase agreements, reverse repurchase agreements, forward roll transactions and similar investment strategies and techniques. To the extent that it engages in transactions described in (i) and (ii), each Fund will be limited so that no more than 33 1/3% of the value of its total assets (including the amount borrowed) is derived from such transactions. Any borrowings which come to exceed this amount will be reduced in accordance with applicable law.
3. Issue any senior security, except as permitted under the 1940 Act, as amended, and as interpreted, modified or otherwise permitted by regulatory authority having jurisdiction, from time to time.
4. Make loans, except as permitted under the 1940 Act.
5. Purchase or sell real estate, real estate mortgages, commodities or commodity contracts, but this restriction shall not prevent each Fund from trading in futures contracts and options on futures contracts (including options on currencies to the extent consistent with each Fund's investment objective and policies).
6. Engage in the business of underwriting securities issued by other persons, except to the extent that each Fund may technically be deemed to be an underwriter under the 1933 Act in disposing of portfolio securities.

**Each of the iShares Global Infrastructure ETF, iShares International Developed Property ETF, iShares International Preferred Stock ETF, iShares Preferred and Income Securities ETF, iShares Russell Top 200 ETF, iShares Russell Top 200 Growth ETF and iShares Russell Top 200 Value ETF will not:**

1. Concentrate its investments (*i.e.*, invest 25% or more of its total assets in the securities of a particular industry or group of industries), except that each Fund will concentrate to approximately the same extent that its Underlying Index concentrates in the securities of such particular industry or group of industries. For purposes of this limitation, securities of the U.S. government (including its agencies and instrumentalities), repurchase agreements collateralized by U.S. government securities, and securities of state or municipal governments and their political subdivisions are not considered to be issued by members of any industry.
2. Borrow money, except that (i) each Fund may borrow from banks for temporary or emergency (not leveraging) purposes, including the meeting of redemption requests which might otherwise require the untimely disposition of securities; and (ii) each Fund may, to the extent consistent with its investment policies, enter into repurchase agreements, reverse repurchase agreements, forward roll transactions and similar investment strategies and techniques. To the extent that it engages in transactions described in (i) and (ii), each Fund will be limited so that no more than 33 1/3% of the value of its total assets (including the amount borrowed) is derived from such transactions. Any borrowings which come to exceed this amount will be reduced in accordance with applicable law.
3. Issue any senior security, except as permitted under the 1940 Act, as interpreted, modified or otherwise permitted by regulatory authority having jurisdiction, from time to time.
4. Make loans, except as permitted under the 1940 Act, as interpreted, modified or otherwise permitted by regulatory authority having jurisdiction, from time to time.
5. Purchase or sell real estate unless acquired as a result of ownership of securities or other instruments (but this restriction shall not prevent each Fund from investing in securities of companies engaged in the real estate business or securities or other instruments backed by real estate or mortgages), or commodities or commodity contracts (but this restriction shall not prevent each Fund from trading in futures contracts and options on futures contracts, including options on currencies to the extent consistent with each Fund's investment objective and policies).
6. Engage in the business of underwriting securities issued by other persons, except to the extent that each Fund may technically be deemed to be an underwriter under the 1933 Act, in disposing of portfolio securities.

**Each of the iShares Factors US Blend Style ETF, iShares Factors US Growth Style ETF, iShares Factors US Mid Blend Style ETF, iShares Factors US Small Blend Style ETF, iShares Factors US Value Style ETF, iShares Focused Value Factor ETF, iShares Russell 1000 Pure U.S. Revenue ETF and iShares U.S. Infrastructure ETF may not:**

1. Concentrate its investments in a particular industry, as that term is used in the 1940 Act, except that each Fund will concentrate to approximately the same extent that its Underlying Index concentrates in the securities of a particular industry or group of industries.
2. Borrow money, except as permitted under the 1940 Act.
3. Issue senior securities to the extent such issuance would violate the 1940 Act.
4. Purchase or hold real estate, except each Fund may purchase and hold securities or other instruments that are secured by, or linked to, real estate or interests therein, securities of REITs, mortgage-related securities and securities of issuers engaged in the real estate business, and each Fund may purchase and hold real estate as a result of the ownership of securities or other instruments.
5. Underwrite securities issued by others, except to the extent that the sale of portfolio securities by each Fund may be deemed to be an underwriting or as otherwise permitted by applicable law.
6. Purchase or sell commodities or commodity contracts, except as permitted by the 1940 Act.
7. Make loans to the extent prohibited by the 1940 Act.

***Notations Regarding the iShares Factors US Blend Style ETF's, iShares Factors US Growth Style ETF's, iShares Factors US Mid Blend Style ETF's, iShares Factors US Small Blend Style ETF's, iShares Factors US Value Style ETF's, iShares Focused Value Factor ETF's, iShares Russell 1000 Pure U.S. Revenue ETF's and iShares U.S. Infrastructure ETF's Fundamental Investment Policies***

The following notations are not considered to be part of each Fund's fundamental investment policies and are subject to change without shareholder approval.

With respect to the fundamental policy relating to concentration set forth in (1) above, the Investment Company Act does not define what constitutes "concentration" in an industry. The SEC staff has taken the position that investment of 25% or more of a fund's total assets in one or more issuers conducting their principal activities in the same industry or group of industries constitutes concentration. It is possible that interpretations of concentration could change in the future. The policy in (1) above will be interpreted to refer to concentration as that term may be interpreted from time to time. The policy also will be interpreted to permit investment without limit in the following: securities of the U.S. government and its agencies or instrumentalities; securities of state, territory, possession or municipal governments and their authorities, agencies, instrumentalities or political subdivisions; and repurchase agreements collateralized by any such obligations. Accordingly, issuers of the foregoing securities will not be considered to be members of any industry. There also will be no limit on investment in issuers domiciled in a single jurisdiction or country. Finance companies will be considered to be in the industries of their parents if their activities are primarily related to financing the activities of the parents. Each foreign government will be considered to be a member of a separate industry. With respect to a Fund's industry classifications, each Fund currently utilizes any one or more of the industry sub-classifications used by one or more widely recognized market indexes or rating group indexes, and/or as defined by Fund management. The policy also will be interpreted to give broad authority to a Fund as to how to classify issuers within or among industries.

With respect to the fundamental policy relating to borrowing money set forth in (2) above, the Investment Company Act permits each Fund to borrow money in amounts of up to one-third of the Fund's total assets from banks for any purpose, and to borrow up to 5% of the Fund's total assets from banks or other lenders for temporary purposes. (The Fund's total assets include the amounts being borrowed.) To limit the risks attendant to borrowing, the Investment Company Act requires each Fund to maintain at all times an "asset coverage" of at least 300% of the amount of its borrowings. Asset coverage means the ratio that the value of each Fund's total assets (including amounts borrowed), minus liabilities other than borrowings, bears to the aggregate amount of all borrowings. Borrowing money to increase portfolio holdings is known as "leveraging." Certain trading practices and investments, such as reverse repurchase agreements, may be considered to be borrowings or involve leverage and thus are subject to the Investment Company Act restrictions. In accordance with SEC staff guidance interpretations, when a Fund engages in such transactions, the Fund instead of maintaining asset coverage of at least 300%, may segregate or earmark liquid assets, or enter into an offsetting position, in an amount at least equal to the Fund's exposure, on a mark-to-market basis, to the transaction (as calculated pursuant to requirements of the SEC). The policy in (2) above will be interpreted to permit each Fund to engage in trading practices and investments that may be considered to be borrowing or to involve leverage to the extent permitted by the Investment Company Act and to permit each Fund to segregate or earmark liquid assets or enter into offsetting positions in accordance with the Investment Company Act. Short-term credits necessary for the settlement of securities transactions and arrangements with respect to

securities lending will not be considered to be borrowings under the policy. Practices and investments that may involve leverage but are not considered to be borrowings are not subject to the policy.

With respect to the fundamental policy relating to underwriting set forth in (5) above, the Investment Company Act does not prohibit each Fund from engaging in the underwriting business or from underwriting the securities of other issuers; in fact, in the case of diversified funds, the Investment Company Act permits the Fund to have underwriting commitments of up to 25% of its assets under certain circumstances. Those circumstances currently are that the amount of each Fund's underwriting commitments, when added to the value of the Fund's investments in issuers where each Fund owns more than 10% of the outstanding voting securities of those issuers, cannot exceed the 25% cap. A fund engaging in transactions involving the acquisition or disposition of portfolio securities may be considered to be an underwriter under the 1933 Act. Although it is not believed that the application of the 1933 Act provisions described above would cause a Fund to be engaged in the business of underwriting, the policy in (5) above will be interpreted not to prevent the Fund from engaging in transactions involving the acquisition or disposition of portfolio securities, regardless of whether the Fund may be considered to be an underwriter under the 1933 Act or is otherwise engaged in the underwriting business to the extent permitted by applicable law.

With respect to the fundamental policy relating to lending set forth in (7) above, the Investment Company Act does not prohibit each Fund from making loans (including lending its securities); however, SEC staff interpretations currently prohibit funds from lending more than one-third of their total assets (including lending its securities), except through the purchase of debt obligations or the use of repurchase agreements. In addition, collateral arrangements with respect to options, forward currency and futures transactions and other derivative instruments (as applicable), as well as delays in the settlement of securities transactions, will not be considered loans.

#### **Non-Fundamental Investment Policies**

***iShares Factors US Blend Style ETF, iShares Factors US Growth Style ETF, iShares Factors US Mid Blend Style ETF, iShares Factors US Small Blend Style ETF, iShares Factors US Value Style ETF, iShares Focused Value Factor ETF, iShares Russell 1000 Pure U.S. Revenue ETF and iShares U.S. Infrastructure ETF Only***

Each Fund has adopted a non-fundamental policy not to make short sales of securities or maintain a short position, except to the extent permitted by each Fund's Prospectus and SAI, as amended from time to time, and applicable law.

***All Funds Other Than the iShares Factors US Blend Style ETF, iShares Factors US Growth Style ETF, iShares Factors US Mid Blend Style ETF, iShares Factors US Small Blend Style ETF, iShares Factors US Value Style ETF, iShares Focused Value Factor ETF, iShares Russell 1000 Pure U.S. Revenue ETF and iShares U.S. Infrastructure ETF***

Each Fund has adopted a non-fundamental policy not to invest in the securities of a company for the purpose of exercising management or control, or purchase or otherwise acquire any illiquid investment, except as permitted under the 1940 Act, which currently limits each Fund's holdings in illiquid investments to 15% of a Fund's net assets. BFA monitors Fund holdings in illiquid investments, pursuant to the Liquidity Program.

If any percentage restriction described above is complied with at the time of an investment, a later increase or decrease in percentage resulting from a change in values of assets will not constitute a violation of such restriction, except that certain percentage limitations will be observed continuously in accordance with applicable law.

#### **All Funds**

Each Fund has adopted a non-fundamental investment policy in accordance with Rule 35d-1 under the 1940 Act to invest, under normal circumstances, at least 80% of the value of its net assets, plus the amount of any borrowings for investment purposes, for all Funds other than the iShares U.S. Infrastructure ETF, in component securities of the Underlying Index or in depositary receipts representing component securities in the Underlying Index, and for the iShares U.S. Infrastructure ETF, in component securities of its Underlying Index. Each Fund also has adopted a policy to provide its shareholders with at least 60 days' prior written notice of any change in such policy. If, subsequent to an investment, the 80% requirement is no longer met, a Fund's future investments will be made in a manner that will bring the Fund into compliance with this policy.

Each Fund has adopted a non-fundamental policy not to purchase securities of other investment companies, except to the extent permitted by the 1940 Act. As a matter of policy, however, a 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 1940 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).

Unless otherwise indicated, all limitations under each Fund's fundamental or non-fundamental investment policies apply only at the time that a transaction is undertaken. Any change in the percentage of each Fund's assets invested in certain securities or other instruments resulting from market fluctuations or other changes in each Fund's total assets will not require each Fund to dispose of an investment until BFA determines that it is practicable to sell or close out the investment without undue market or tax consequences.

## Continuous Offering

The method by which Creation Units are created and traded may raise certain issues under applicable securities laws. Because new Creation Units are issued and sold by the Funds on an ongoing basis, at any point a "distribution," as such term is used in the 1933 Act, may occur. Broker-dealers and other persons are cautioned that some activities on their part may, depending on the circumstances, result in their being deemed participants in a distribution in a manner that could render them statutory underwriters and subject them to the prospectus delivery requirement and liability provisions of the 1933 Act.

For example, a broker-dealer firm or its client may be deemed a statutory underwriter if it takes Creation Units after placing an order with the Distributor, breaks them down into constituent shares and sells such shares directly to customers or if it chooses to couple the creation of new shares with an active selling effort involving solicitation of secondary market demand for shares. A determination of whether one is an underwriter for purposes of the 1933 Act must take into account all of the facts and circumstances pertaining to the activities of the broker-dealer or its client in the particular case and the examples mentioned above should not be considered a complete description of all the activities that could lead to a categorization as an underwriter.

Broker-dealer firms should also note that dealers who are not "underwriters" but are effecting transactions in shares, whether or not participating in the distribution of shares, generally are required to deliver a prospectus. This is because the prospectus delivery exemption in Section 4(a)(3) of the 1933 Act is not available in respect of such transactions as a result of Section 24(d) of the 1940 Act. Firms that incur a prospectus delivery obligation with respect to shares of the Funds are reminded that, pursuant to Rule 153 under the 1933 Act, a prospectus delivery obligation under Section 5(b)(2) of the 1933 Act owed to an exchange member in connection with a sale on the Listing Exchange generally is satisfied by the fact that the prospectus is available at the Listing Exchange upon request. The prospectus delivery mechanism provided in Rule 153 is available only with respect to transactions on an exchange.

## Management

**Trustees and Officers.** The Board has responsibility for the overall management and operations of the Funds, including general supervision of the duties performed by BFA and other service providers. Each Trustee serves until he or she resigns, is removed, dies, retires or becomes incapacitated. Each officer shall hold office until his or her successor is elected and qualifies or until his or her death, resignation or removal. Trustees who are not "interested persons" (as defined in the 1940 Act) of the Trust are referred to as independent trustees ("Independent Trustees").

The registered investment companies advised by BFA or its affiliates (the "BlackRock-advised Funds") are organized into one complex of open-end equity, multi-asset, index and money market funds (the "BlackRock Multi-Asset Complex"), one complex of closed-end funds and open-end non-index fixed-income funds (the "BlackRock Fixed-Income Complex") and one complex of ETFs ("Exchange-Traded Fund Complex") (each, a "BlackRock Fund Complex"). Each Fund is included in the BlackRock Fund Complex referred to as the Exchange-Traded Fund Complex. Each Trustee also serves as a Director of iShares, Inc. and a Trustee of iShares U.S. ETF Trust and, as a result, oversees all of the funds within the Exchange-Traded Fund Complex, which consists of 377 funds as of July 31, 2020. With the exception of Robert S. Kapito, Salim Ramji and Charles Park, the address of each Trustee and officer is c/o BlackRock, Inc., 400 Howard Street, San Francisco, CA 94105. The address of Mr. Kapito, Mr. Ramji and Mr. Park is c/o BlackRock, Inc., Park Avenue Plaza, 55 East 52<sup>nd</sup> Street, New York, NY 10055. The Board has designated Cecilia H. Herbert as its Independent Board Chair. Additional information about the Funds' Trustees and officers may be found in this SAI, which is available without charge, upon request, by calling toll-free 1-800-iShares (1-800-474-2737).



## Interested Trustees

Name (Age)	Position	Principal Occupation(s) During the Past 5 Years	Other Directorships Held by Trustee
Robert S. Kapito <sup>1</sup> (63)	Trustee (since 2009).	President, BlackRock, Inc. (since 2006); Vice Chairman of BlackRock, Inc. and Head of BlackRock's Portfolio Management Group (since its formation in 1998) and BlackRock, Inc.'s predecessor entities (since 1988); Trustee, University of Pennsylvania (since 2009); President of Board of Directors, Hope & Heroes Children's Cancer Fund (since 2002).	Director of BlackRock, Inc. (since 2006); Director of iShares, Inc. (since 2009); Trustee of iShares U.S. ETF Trust (since 2011).
Salim Ramji <sup>2</sup> (50)	Trustee (since 2019).	Senior Managing Director, BlackRock, Inc. (since 2014); Global Head of BlackRock's ETF and Index Investments Business (since 2019); Head of BlackRock's U.S. Wealth Advisory Business (2015-2019); Global Head of Corporate Strategy, BlackRock, Inc. (2014-2015); Senior Partner, McKinsey & Company (2010-2014).	Director of iShares, Inc. (since 2019); Trustee of iShares U.S. ETF Trust (since 2019).

<sup>1</sup> Robert S. Kapito is deemed to be an "interested person" (as defined in the 1940 Act) of the Trust due to his affiliations with BlackRock, Inc. and its affiliates.

<sup>2</sup> Salim Ramji is deemed to be an "interested person" (as defined in the 1940 Act) of the Trust due to his affiliations with BlackRock, Inc. and its affiliates.



## Independent Trustees

Name (Age)	Position	Principal Occupation(s) During the Past 5 Years	Other Directorships Held by Trustee
Cecilia H. Herbert (71)	Trustee (since 2005); Independent Board Chair (since 2016).	Chair of the Finance Committee (since 2019) and Trustee and Member of the Finance, Audit and Quality Committees of Stanford Health Care (since 2016); Trustee of WNET, New York's public media company (since 2011) and Member of the Audit Committee (since 2018) and Investment Committee (since 2011); Chair (1994-2005) and Member (since 1992) of the Investment Committee, Archdiocese of San Francisco; Trustee of Forward Funds (14 portfolios) (2009-2018); Trustee of Salient MF Trust (4 portfolios) (2015-2018); Director (1998-2013) and President (2007- 2011) of the Board of Directors, Catholic Charities CYO; Trustee (2002-2011) and Chair of the Finance and Investment Committee (2006- 2010) of the Thacher School.	Director of iShares, Inc. (since 2005); Trustee of iShares U.S. ETF Trust (since 2011); Independent Board Chair of iShares, Inc. and iShares U.S. ETF Trust (since 2016); Trustee of Thrivent Church Loan and Income Fund (since 2019).
Jane D. Carlin (64)	Trustee (since 2015); Risk Committee Chair (since 2016).	Consultant (since 2012); Member of the Audit Committee (2012-2018), Chair of the Nominating and Governance Committee (2017-2018) and Director of PHH Corporation (mortgage solutions) (2012-2018); Managing Director and Global Head of Financial Holding Company Governance & Assurance and the Global Head of Operational Risk Management of Morgan Stanley (2006-2012).	Director of iShares, Inc. (since 2015); Trustee of iShares U.S. ETF Trust (since 2015); Member of the Audit Committee (since 2016) and Director of The Hanover Insurance Group, Inc. (since 2016).
Richard L. Fagnani (65)	Trustee (since 2017); Audit Committee Chair (since 2019).	Partner, KPMG LLP (2002-2016).	Director of iShares, Inc. (since 2017); Trustee of iShares U.S. ETF Trust (since 2017).
John E. Kerrigan (65)	Trustee (since 2005); Nominating and Governance and Equity Plus Committee Chairs (since 2019).	Chief Investment Officer, Santa Clara University (since 2002).	Director of iShares, Inc. (since 2005); Trustee of iShares U.S. ETF Trust (since 2011).

Name (Age)	Position	Principal Occupation(s) During the Past 5 Years	Other Directorships Held by Trustee
Drew E. Lawton (61)	Trustee (since 2017); 15(c) Committee Chair (since 2017).	Senior Managing Director of New York Life Insurance Company (2010- 2015).	Director of iShares, Inc. (since 2017); Trustee of iShares U.S. ETF Trust (since 2017).
John E. Martinez (59)	Trustee (since 2003); Securities Lending Committee Chair (since 2019).	Director of Real Estate Equity Exchange, Inc. (since 2005); Director of Cloudera Foundation (2017-2020); and Director of Reading Partners (2012-2016).	Director of iShares, Inc. (since 2003); Trustee of iShares U.S. ETF Trust (since 2011).
Madhav V. Rajan (55)	Trustee (since 2011); Fixed Income Plus Committee Chair (since 2019).	Dean, and George Pratt Shultz Professor of Accounting, University of Chicago Booth School of Business (since 2017); Chair of the Board for the Center for Research in Security Prices, LLC (since 2020); Robert K. Jaedicke Professor of Accounting, Stanford University Graduate School of Business (2001-2017); Professor of Law (by courtesy), Stanford Law School (2005-2017); Senior Associate Dean for Academic Affairs and Head of MBA Program, Stanford University Graduate School of Business (2010- 2016).	Director of iShares, Inc. (since 2011); Trustee of iShares U.S. ETF Trust (since 2011).

## Officers

Name (Age)	Position	Principal Occupation(s) During the Past 5 Years
Armando Senra (49)	President (since 2019).	Managing Director, BlackRock, Inc. (since 2007); Head of U.S., Canada and Latam iShares, BlackRock, Inc. (since 2019); Head of Latin America Region, BlackRock, Inc. (2006-2019); Managing Director, Bank of America Merrill Lynch (1994-2006).
Trent Walker (46)	Treasurer and Chief Financial Officer (since 2020).	Managing Director of BlackRock, Inc. (since September 2019); Executive Vice President of PIMCO (2016- 2019); Senior Vice President of PIMCO (2008-2015); Treasurer (2013-2019) and Assistant Treasurer (2007-2017) of PIMCO Funds, PIMCO Variable Insurance Trust, PIMCO ETF Trust, PIMCO Equity Series, PIMCO Equity Series VIT, PIMCO Managed Accounts Trust, 2 PIMCO-sponsored interval funds and 21 PIMCO- sponsored closed-end funds.

Name (Age)	Position	Principal Occupation(s) During the Past 5 Years
Charles Park (52)	Chief Compliance Officer (since 2006).	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); Chief Compliance Officer of BFA (since 2006).
Deepa Damre Smith (45)	Secretary (since 2019).	Managing Director, BlackRock, Inc. (since 2014); Director, BlackRock, Inc. (2009-2013).
Scott Radell (51)	Executive Vice President (since 2012).	Managing Director, BlackRock, Inc. (since 2009); Head of Portfolio Solutions, BlackRock, Inc. (since 2009).
Alan Mason (59)	Executive Vice President (since 2016).	Managing Director, BlackRock, Inc. (since 2009).
Marybeth Leithead (57)	Executive Vice President (since 2019).	Managing Director, BlackRock, Inc. (since 2017); Chief Operating Officer of Americas iShares (since 2017); Portfolio Manager, Municipal Institutional & Wealth Management (2009-2016).

The Board has concluded that, based on each Trustee's experience, qualifications, attributes or skills on an individual basis and in combination with those of the other Trustees, each Trustee should serve as a Trustee of the Board. Among the attributes common to all Trustees are their ability to review critically, evaluate, question and discuss information provided to them, to interact effectively with the Funds' investment adviser, other service providers, counsel and the independent registered public accounting firm, and to exercise effective business judgment in the performance of their duties as Trustees. A Trustee's ability to perform his or her duties effectively may have been attained through the Trustee's educational background or professional training; business, consulting, public service or academic positions; experience from service as a Board member of the Funds and the other funds in the Trust (and any predecessor funds), other investment funds, public companies, or non-profit entities or other organizations; and/or other life experiences. Also, set forth below is a brief discussion of the specific experience, qualifications, attributes or skills of each Trustee that led the Board to conclude that he or she should serve (or continue to serve) as a Trustee.

Robert S. Kapito has been a Trustee of the Trust since 2009. Mr. Kapito has also served as a Director of iShares, Inc. since 2009, a Trustee of iShares U.S. ETF Trust since 2011 and a Director of BlackRock, Inc. since 2006. Mr. Kapito served as a Director of iShares MSCI Russia Capped ETF, Inc. from 2010 to 2015. In addition, he has over 20 years of experience as part of BlackRock, Inc. and BlackRock's predecessor entities. Mr. Kapito serves as President of BlackRock, Inc., and is a member of the Global Executive Committee and Chairman of the Global Operating Committee. He is responsible for day-to-day oversight of BlackRock's key operating units, including Investment Strategies, Client Businesses, Technology & Operations, and Risk & Quantitative Analysis. Prior to assuming his current responsibilities in 2007, Mr. Kapito served as Vice Chairman of BlackRock, Inc. and Head of BlackRock's Portfolio Management Group. In that role, he was responsible for overseeing all portfolio management within BlackRock, including the Fixed Income, Equity, Liquidity, and Alternative Investment Groups. Mr. Kapito serves as a member of the Board of Trustees of the University of Pennsylvania and the Harvard Business School Board of Dean's Advisors. He has also been President of the Board of Directors for the Hope & Heroes Children's Cancer Fund since 2002. Mr. Kapito earned a BS degree in economics from the Wharton School of the University of Pennsylvania in 1979, and an MBA degree from Harvard Business School in 1983.

Salim Ramji has been a Trustee of the Trust since 2019. Mr. Ramji has also served as a Director of iShares, Inc. and a Trustee of iShares U.S. ETF Trust since 2019. Mr. Ramji is the Global Head of BlackRock's ETF and Index Investments business. In addition, he is a member of BlackRock's Global Executive Committee. Prior to assuming his current responsibilities in 2019, Mr. Ramji was Head of BlackRock's U.S. Wealth Advisory business, where he was responsible for leading BlackRock's relationships with wealth management firms and platforms, for distributing BlackRock's alpha-seeking and iShares investment capabilities and for the adoption of BlackRock's portfolio construction and digital wealth technologies to financial advisors. Mr. Ramji joined BlackRock in 2014, serving initially as the Global Head of Corporate Strategy. Prior to BlackRock, Mr. Ramji was a Senior Partner at McKinsey & Company, where he led the Asset and Wealth Management practice areas. He started his career as a corporate finance and mergers and acquisitions lawyer at Clifford Chance LLP in London and Hong Kong. He has served as a Trustee of Graham Windham, a New York-based child care agency, since 2007. Mr. Ramji earned a bachelor's degree in economics and politics from University of Toronto, a law degree, from Cambridge University and is a CFA charter holder.

Cecilia H. Herbert has been a Trustee of the Trust since 2005 and Chair of the Trust's Board since 2016. Ms. Herbert has also served as a Director of iShares, Inc. since 2005, a Trustee of iShares U.S. ETF Trust since 2011, and Chair of each Board since 2016. Ms. Herbert served as a Director of iShares MSCI Russia Capped ETF, Inc. from 2010 to 2015. In addition, Ms. Herbert served as Trustee of the Forward Funds from 2009 to 2018 and Trustee of Salient Funds from 2015 to 2018. She has served since 1992 on the Investment Council of the Archdiocese of San Francisco and was Chair from 1994 to 2005. She has served as a member of the Finance, Audit and Quality Committees and Trustee of Stanford Health Care since 2016 and became Chair of the Finance Committee of Stanford Health Care in 2019. She has served as a Trustee of WNET, New York's public media station, since 2011 and a Member of its Audit Committee since 2018. She became a member of the Governing Council of the Independent Directors Forum in 2018 and joined the board of Thrivent Church Loan and Income Fund in 2019. She was President of the Board of Catholic Charities CYO, the largest social services agency in the San Francisco Bay Area, from 2007 to 2011 and a member of that board from 1992 to 2013. She previously served as Trustee of the Pacific Select Funds from 2004 to 2005 and Trustee of the Montgomery Funds from 1992 to 2003. She worked from 1973 to 1990 at J.P. Morgan/Morgan Guaranty Trust doing international corporate finance and corporate lending, retiring as Managing Director and Head of the West Coast Office. Ms. Herbert has been on numerous non-profit boards, chairing investment and finance committees. She holds a double major in economics and communications from Stanford University and an MBA from Harvard Business School.

Jane D. Carlin has been a Trustee of the Trust since 2015 and Chair of the Risk Committee since 2016. Ms. Carlin has also served as a Director of iShares, Inc. and a Trustee of iShares U.S. ETF Trust since 2015, and Chair of the Risk Committee of each Board since 2016. Ms. Carlin has served as a consultant since 2012 and formerly served as Managing Director and Global Head of Financial Holding Company Governance & Assurance and the Global Head of Operational Risk Management of Morgan Stanley from 2006 to 2012. In addition, Ms. Carlin served as Managing Director and Global Head of the Bank Operational Risk Oversight Department of Credit Suisse Group from 2003 to 2006. Prior to that, Ms. Carlin served as Managing Director and Deputy General Counsel of Morgan Stanley. Ms. Carlin has over 30 years of experience in the financial sector and has served in a number of legal, regulatory, and risk management positions. Ms. Carlin has served as a member of the Audit Committee and as a Director of The Hanover Insurance Group, Inc., each since 2016. Ms. Carlin served as a member of the Audit Committee from 2012 to 2018, Chair of the Nominating and Governance Committee from 2017 to 2018 and as an Independent Director on the Board of PHH Corporation from 2012 to 2018. She previously served as a Director on the Boards of Astoria Financial Corporation and Astoria Bank. Ms. Carlin was appointed by the United States Treasury to the Financial Services Sector Coordinating Council for Critical Infrastructure Protection and Homeland Security, where she served as Chairperson from 2010 to 2012 and Vice Chair and Chair of the Cyber Security Committee from 2009 to 2010. Ms. Carlin has a BA degree in political science from State University of New York at Stony Brook and a JD degree from Benjamin N. Cardozo School of Law.

Richard L. Fagnani has been a Trustee of the Trust since 2017 and Chair of the Audit Committee of the Trust since 2019. Mr. Fagnani has also served as a Director of iShares, Inc. and a Trustee of iShares U.S. ETF Trust since 2017, and Chair of the Audit Committee of each Board since 2019. Mr. Fagnani served as an Advisory Board Member of the Trust, iShares U.S. ETF Trust and iShares, Inc. from April 2017 to June 2017. Mr. Fagnani served as a Senior Audit Partner at KPMG LLP from 2002 to 2016, most recently as the U.S. asset management audit practice leader responsible for setting strategic direction and execution of the operating plan for the asset management audit practice. In addition, from 1977 to 2002, Mr. Fagnani served as an Audit Partner at Andersen LLP, where he developed and managed the asset management audit practice in the Philadelphia office. Mr. Fagnani served as a Trustee on the Board of the Walnut Street Theater in Philadelphia from 2009 to 2014 and as a

member of the School of Business Advisory Board at LaSalle University from 2006 to 2014. Mr. Fagnani has a BS degree in Accounting from LaSalle University.

John E. Kerrigan has been a Trustee of the Trust since 2005 and Chair of the Equity Plus and Nominating and Governance Committees of the Trust since 2019. Mr. Kerrigan has also served as a Director of iShares, Inc. since 2005, a Trustee of iShares U.S. ETF Trust since 2011, and Chair of the Equity Plus and Nominating and Governance Committees of each Board since 2019. Mr. Kerrigan served as a Director of iShares MSCI Russia Capped ETF, Inc. from 2010 to 2015. Mr. Kerrigan has served as Chief Investment Officer of Santa Clara University since 2002. Mr. Kerrigan was formerly a Managing Director at Merrill Lynch & Co., including the following responsibilities: Managing Director, Institutional Client Division, Western United States. Mr. Kerrigan has been a Director, since 1999, of The BASIC Fund (Bay Area Scholarships for Inner City Children). Mr. Kerrigan has a BA degree from Boston College and is a Chartered Financial Analyst Charterholder.

Drew E. Lawton has been a Trustee of the Trust since 2017 and Chair of the 15(c) Committee of the Trust since 2017. Mr. Lawton has also served as a Director of iShares, Inc., a Trustee of iShares U.S. ETF Trust, and Chair of the 15(c) Committee of each Board since 2017. Mr. Lawton also served as an Advisory Board Member of the Trust, iShares, Inc. and iShares U.S. ETF Trust from 2016 to 2017. Mr. Lawton served as Director of Principal Funds, Inc., Principal Variable Contracts Funds, Inc. and Principal Exchange-Traded Funds from March 2016 to October 2016. Mr. Lawton served in various capacities at New York Life Insurance Company from 2010 to 2015, most recently as a Senior Managing Director and Chief Executive Officer of New York Life Investment Management. From 2008 to 2010, Mr. Lawton was the President of Fridson Investment Advisors, LLC. Mr. Lawton previously held multiple roles at Fidelity Investments from 1997 to 2008. Mr. Lawton has a BA degree in Administrative Science from Yale University and an MBA from University of North Texas.

John E. Martinez has been a Trustee of the Trust since 2003 and Chair of the Securities Lending Committee of the Trust since 2019. Mr. Martinez has also served as a Director of iShares, Inc. since 2003, a Trustee of iShares U.S. ETF Trust since 2011, and Chair of the Securities Lending Committee of each Board since 2019. Mr. Martinez served as a Director of iShares MSCI Russia Capped ETF, Inc. from 2010 to 2015. Mr. Martinez is a Director of Real Estate Equity Exchange, Inc., providing governance oversight and consulting services to this privately held firm that develops products and strategies for homeowners in managing the equity in their homes. From 2017 to 2020, Mr. Martinez served as a Board member for the Cloudera Foundation. Mr. Martinez previously served as Director of Barclays Global Investors (“BGI”) UK Holdings, where he provided governance oversight representing BGI’s shareholders (Barclays PLC, BGI management shareholders) through oversight of BGI’s worldwide activities. Mr. Martinez also previously served as Co-Chief Executive Officer of the Global Index and Markets Group of BGI, Chairman of Barclays Global Investor Services and Chief Executive Officer of the Capital Markets Group of BGI. From 2003 to 2012, he was a Director and Executive Committee Member for Larkin Street Youth Services. He now serves on the Larkin Street Honorary Board. From 2012 to 2016, Mr. Martinez served as a Director for Reading Partners. Mr. Martinez has an AB degree in economics from The University of California, Berkeley and holds an MBA degree in finance and statistics from The University of Chicago Booth School of Business.

Madhav V. Rajan has been a Trustee of the Trust since 2011 and Chair of the Fixed Income Plus Committee of the Trust since 2019. Mr. Rajan has also served as a Director of iShares, Inc. and a Trustee of iShares U.S. ETF Trust since 2011, and Chair of the Fixed Income Plus Committee of each Board since 2019. Mr. Rajan served as a Director of iShares MSCI Russia Capped ETF, Inc. from 2011 to 2015. Mr. Rajan is the Dean and George Pratt Shultz Professor of Accounting at the University of Chicago Booth School of Business and also serves as Chair of the Board for the Center for Research in Security Prices, LLC, an affiliate of the University of Chicago Booth School of Business since 2020. From 2001 to 2017, Mr. Rajan was the Robert K. Jaedicke Professor of Accounting at the Stanford University Graduate School of Business. In April 2017, he received the school’s Robert T. Davis Award for Lifetime Achievement and Service. He has taught accounting for over 25 years to undergraduate, MBA and law students, as well as to senior executives. From 2010 to 2016, Mr. Rajan served as the Senior Associate Dean for Academic Affairs and head of the MBA Program at the Stanford University Graduate School of Business. Mr. Rajan served as editor of “The Accounting Review” from 2002 to 2008 and is co-author of “Cost Accounting: A Managerial Emphasis,” a leading cost accounting textbook. From 2013 to 2018, Mr. Rajan served on the Board of Directors of Cavium Inc., a semiconductor company. Mr. Rajan holds MS and PhD degrees in Accounting from Carnegie Mellon University.

#### Board – Leadership Structure and Oversight Responsibilities

Overall responsibility for oversight of the Funds rests with the Board. The Board has engaged BFA to manage the Funds on a day-to-day basis. The Board is responsible for overseeing BFA and other service providers in the operations of the Funds in accordance with the provisions of the 1940 Act, applicable provisions of state and other laws and the Trust’s charter. The



Board is currently composed of nine members, seven of whom are Independent Trustees. The Board currently conducts regular in person meetings four times a year. In addition, the Board frequently holds special in person or telephonic meetings or informal conference calls to discuss specific matters that may arise or require action between regular meetings. The Independent Trustees meet regularly outside the presence of management, in executive session or with other service providers to the Trust.

The Board has appointed an Independent Trustee to serve in the role of Board Chair. The Board Chair's role is to preside at all meetings of the Board and to act as a liaison with service providers, officers, attorneys, and other Trustees generally between meetings. The Board Chair may also perform such other functions as may be delegated by the Board from time to time. The Board has established seven standing Committees: a Nominating and Governance Committee, an Audit Committee, a 15(c) Committee, a Securities Lending Committee, a Risk Committee, an Equity Plus Committee and a Fixed Income Plus Committee to assist the Board in the oversight and direction of the business and affairs of the Funds, and from time to time the Board may establish ad hoc committees or informal working groups to review and address the policies and practices of the Funds with respect to certain specified matters. The Chair of each standing Committee is an Independent Trustee. The role of the Chair of each Committee is to preside at all meetings of the Committee and to act as a liaison with service providers, officers, attorneys and other Trustees between meetings. Each standing Committee meets regularly to conduct the oversight functions delegated to the Committee by the Board and reports its finding 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 it allocates areas of responsibility among committees of Independent Trustees and the full Board to enhance effective oversight.

Day-to-day risk management with respect to the Funds is the responsibility of BFA or other service providers (depending on the nature of the risk), subject to the supervision of BFA. Each Fund is subject to a number of risks, including investment, compliance, operational, reputational, counterparty and valuation risks, among others. While there are a number of risk management functions performed by BFA and other service providers, as applicable, it is not possible to identify and eliminate all of the risks applicable to the Funds. The Trustees have an oversight role in this area, satisfying themselves that risk management processes and controls are in place and operating effectively. Risk oversight forms part of the Board's general oversight of each Fund and is addressed as part of various Board and committee activities. In some cases, risk management issues are specifically addressed in presentations and discussions. For example, BFA has an independent dedicated Risk and Quantitative Analysis Group ("RQA") that assists BFA in managing fiduciary and corporate risks, including investment, operational, counterparty credit and enterprise risk. Representatives of RQA meet with the Board to discuss their analysis and methodologies, as well as specific risk topics such as operational and counterparty risks relating to the Funds. The Board, directly or through a committee, also reviews reports from, among others, management and the independent registered public accounting firm for the Trust, as appropriate, regarding risks faced by each Fund and management's risk functions. The Board has appointed a Chief Compliance Officer who oversees the implementation and testing of the Trust's compliance program, including assessments by independent third parties, and reports to the Board regarding compliance matters for the Trust and its principal service providers. In testing and maintaining the compliance program, the Chief Compliance Officer (and his or her delegates) assesses key compliance risks affecting each Fund, and addresses them in periodic reports to the Board. In addition, the Audit Committee meets with both the Funds' independent registered public accounting firm and BFA's internal audit group to review risk controls in place that support each Fund as well as test results. Board oversight of risk is also performed as needed between meetings through communications between BFA and the Board. The Independent Trustees have engaged independent legal counsel to assist them in performing their oversight responsibilities. From time to time, the Board may modify the manner in which it conducts risk oversight. The Board's oversight role does not make it a guarantor of the Funds' investment performance or other activities.

**Committees of the Board of Trustees.** The members of the Audit Committee are Richard L. Fagnani (Chair), John E. Kerrigan and Madhav V. Rajan, each of whom is an Independent Trustee. The purposes of the Audit Committee are to assist the Board (i) in its oversight of the Trust's accounting and financial reporting principles and policies and related controls and procedures maintained by or on behalf of the Trust; (ii) in its oversight of the Trust's financial statements and the independent audit thereof; (iii) in selecting, evaluating and, where deemed appropriate, replacing the independent accountants (or nominating the independent accountants to be proposed for shareholder approval in any proxy statement); (iv) in evaluating the independence of the independent accountants; (v) in complying with legal and regulatory requirements that relate to the Trust's accounting and financial reporting, internal controls, compliance controls and independent audits; and (vi) to assume such other responsibilities as may be delegated by the Board. The Audit Committee met eight times during the fiscal year ended March 31, 2020.



The members of the Nominating and Governance Committee are John E. Kerrigan (Chair), Madhav V. Rajan and Drew E. Lawton, each of whom is an Independent Trustee. The Nominating and Governance Committee nominates individuals for Independent Trustee membership on the Board and recommends appointments to the Advisory Board. The Nominating and Governance Committee functions include, but are not limited to, the following: (i) reviewing the qualifications of any person properly identified or nominated to serve as an Independent Trustee; (ii) recommending to the Board and current Independent Trustees the nominee(s) for appointment as an Independent Trustee by the Board and current Independent Trustees and/or for election as Independent Trustees by shareholders to fill any vacancy for a position of Independent Trustee(s) on the Board; (iii) recommending to the Board and current Independent Trustees the size and composition of the Board and Board committees and whether they comply with applicable laws and regulations; (iv) recommending a current Independent Trustee to the Board and current Independent Trustees to serve as Board Chair; (v) periodic review of the Board's retirement policy; and (vi) recommending an appropriate level of compensation for the Independent Trustees for their services as Trustees, members or chairpersons of committees of the Board, Board Chair and any other positions as the Nominating and Governance Committee considers appropriate. The Nominating and Governance Committee does not consider Board nominations recommended by shareholders (acting solely in their capacity as a shareholder and not in any other capacity). The Nominating and Governance Committee met one time during the fiscal year ended March 31, 2020.

Each Independent Trustee serves on the 15(c) Committee. The Chair of the 15(c) Committee is Drew E. Lawton. The principal responsibilities of the 15(c) Committee are to support, oversee and organize on behalf of the Board the process for the annual review and renewal of the Trust's advisory and sub-advisory agreements. These responsibilities include: (i) meeting with BlackRock, Inc. in advance of the Board meeting at which the Trust's advisory and sub-advisory agreements are to be considered to discuss generally the process for providing requested information to the Board and the format in which information will be provided; and (ii) considering and discussing with BlackRock, Inc. such other matters and information as may be necessary and appropriate for the Board to evaluate the investment advisory and sub-advisory agreements of the Trust. The 15(c) Committee met two times during the fiscal year ended March 31, 2020.

The members of the Securities Lending Committee are John E. Martinez (Chair), Jane D. Carlin and Drew E. Lawton, each of whom is an Independent Trustee. The principal responsibilities of the Securities Lending Committee are to support, oversee and organize on behalf of the Board the process for oversight of the Trust's securities lending activities. These responsibilities include: (i) requesting that certain information be provided to the Committee for its review and consideration prior to such information being provided to the Board; (ii) considering and discussing with BlackRock, Inc. such other matters and information as may be necessary and appropriate for the Board to oversee the Trust's securities lending activities and make required findings and approvals; and (iii) providing a recommendation to the Board regarding the annual approval of the Trust's Securities Lending Guidelines and the required findings with respect to, and annual approval of, the Trust's agreement with the securities lending agent. The Securities Lending Committee met seven times during the fiscal year ended March 31, 2020.

The members of the Equity Plus Committee are John E. Kerrigan (Chair), John E. Martinez and Drew E. Lawton, each of whom is an Independent Trustee. The principal responsibilities of the Equity Plus Committee are to support, oversee and organize on behalf of the Board the process for oversight of Trust performance and related matters for equity funds. These responsibilities include: (i) reviewing quarterly reports regarding Trust performance, secondary market trading and changes in net assets to identify any matters that should be brought to the attention of the Board; and (ii) considering any performance or investment related matters as may be delegated to the Committee by the Board from time to time and providing a report or recommendation to the Board as appropriate. The Equity Plus Committee met three times during the fiscal year ended March 31, 2020.

The members of the Fixed Income Plus Committee are Madhav V. Rajan (Chair), Jane D. Carlin and Richard L. Fagnani, each of whom is an Independent Trustee. The principal responsibilities of the Fixed Income Plus Committee are to support, oversee and organize on behalf of the Board the process for oversight of Trust performance and related matters for fixed-income or multi-asset funds. These responsibilities include: (i) reviewing quarterly reports regarding Trust performance, secondary market trading and changes in net assets to identify any matters that should be brought to the attention of the Board; and (ii) considering any performance or investment related matters as may be delegated to the Committee by the Board from time to time and providing a report or recommendation to the Board as appropriate. The Fixed Income Plus Committee met three times during the fiscal year ended March 31, 2020.

The members of the Risk Committee are Jane D. Carlin (Chair), Richard L. Fagnani and John E. Martinez, each of whom is an Independent Trustee. The principal responsibility of the Risk Committee is to consider and organize on behalf of the Board

risk related matters of the Funds so the Board may most effectively structure itself to oversee them. The Risk Committee commenced on January 1, 2016. The Risk Committee met eight times during the fiscal year ended March 31, 2020.

As the Chair of the Board, Cecilia H. Herbert may serve as an ex-officio member of each Committee.

The following table sets forth, as of December 31, 2019, the dollar range of equity securities beneficially owned by each Trustee in the Funds and in other registered investment companies overseen by the Trustee within the same family of investment companies as the Trust. If a fund is not listed below, the Trustee did not own any securities in that fund as of the date indicated above:

Name	Fund	Dollar Range of Equity Securities in Named Fund	Aggregate Dollar Range of Equity Securities in all Registered Investment Companies Overseen by Trustee in Family of Investment Companies
Robert S. Kapito	None	None	None
Salim Ramji	iShares Commodities Select Strategy ETF	\$10,001-\$50,000	Over \$100,000
	iShares Core MSCI Emerging Markets ETF	Over \$100,000	
	iShares Core MSCI Total International Stock ETF	\$1-\$10,000	
	iShares Core S&P 500 ETF	\$1-\$10,000	
	iShares Core S&P Total U.S. Stock Market ETF	\$1-\$10,000	
	iShares Expanded Tech Sector ETF	\$1-\$10,000	
	iShares Expanded Tech-Software Sector ETF	\$1-\$10,000	
	iShares MSCI USA ESG Select ETF	\$1-\$10,000	
	iShares North American Natural Resources ETF	\$10,001-\$50,000	
	iShares Robotics and Artificial Intelligence Multisector ETF	\$1-\$10,000	
	iShares TIPS Bond ETF	\$10,001-\$50,000	
Cecilia H. Herbert	iShares California Muni Bond ETF	Over \$100,000	Over \$100,000
	iShares China Large-Cap ETF	\$50,001-\$100,000	
	iShares Core Dividend Growth ETF	\$50,001-\$100,000	
	iShares Core MSCI Emerging Markets ETF	\$1-\$10,000	
	iShares Core MSCI Total International Stock ETF	\$10,001-\$50,000	
	iShares Core S&P 500 ETF	Over \$100,000	
	iShares Core S&P U.S. Growth ETF	\$50,001-\$100,000	
	iShares Core S&P U.S. Value ETF	\$50,001-\$100,000	
	iShares iBoxx \$ High Yield Corporate Bond ETF	\$10,001-\$50,000	
	iShares International Select Dividend ETF	\$1-\$10,000	
	iShares MSCI EAFE ETF	\$1-\$10,000	
	iShares MSCI Japan ETF	\$10,001-\$50,000	
	iShares National Muni Bond ETF	\$10,001-\$50,000	
	iShares Preferred and Income Securities ETF	\$10,001-\$50,000	

Name	Fund	Dollar Range of Equity Securities in Named Fund	Aggregate Dollar Range of Equity Securities in all Registered Investment Companies Overseen by Trustee in Family of Investment Companies
Jane D. Carlin	iShares 1-3 Year Treasury Bond ETF	\$50,001-\$100,000	Over \$100,000
	iShares Core MSCI Emerging Markets ETF	\$10,001-\$50,000	
	iShares Core MSCI Total International Stock ETF	Over \$100,000	
	iShares Core S&P Mid-Cap ETF	\$10,001-\$50,000	
	iShares Core S&P Small-Cap ETF	Over \$100,000	
	iShares Core U.S. Aggregate Bond ETF	Over \$100,000	
	iShares Edge MSCI Min Vol USA ETF	\$50,001-\$100,000	
	iShares Global Tech ETF	\$10,001-\$50,000	
	iShares MSCI ACWI ETF	Over \$100,000	
	iShares MSCI ACWI ex U.S. ETF	\$50,001-\$100,000	
	iShares MSCI EAFE Small-Cap ETF	\$10,001-\$50,000	
	iShares MSCI Emerging Markets Small-Cap ETF	\$10,001-\$50,000	
	iShares Select Dividend ETF	\$10,001-\$50,000	
	iShares Ultra Short-Term Bond ETF	Over \$100,000	
Richard L. Fagnani	iShares Core MSCI EAFE ETF	\$10,001-\$50,000	Over \$100,000
	iShares Core S&P 500 ETF	\$10,001-\$50,000	
	iShares Core S&P Small-Cap ETF	\$10,001-\$50,000	
	iShares Edge MSCI Multifactor Emerging Markets ETF	\$10,001-\$50,000	
	iShares Edge MSCI USA Value Factor ETF	\$10,001-\$50,000	
	iShares Exponential Technologies ETF	\$10,001-\$50,000	
	iShares Global Clean Energy ETF	\$10,001-\$50,000	
	iShares MSCI EAFE Value ETF	\$10,001-\$50,000	
	iShares MSCI Emerging Markets Small-Cap ETF	\$10,001-\$50,000	
	iShares Robotics and Artificial Intelligence Multisector ETF	\$10,001-\$50,000	
	iShares S&P Small-Cap 600 Value ETF	\$10,001-\$50,000	
	iShares Select Dividend ETF	\$10,001-\$50,000	
	iShares U.S. Financials ETF	\$10,001-\$50,000	
John E. Kerrigan	iShares MSCI ACWI ex U.S. ETF	Over \$100,000	Over \$100,000
Drew E. Lawton	iShares 0-5 Year High Yield Corporate Bond ETF	Over \$100,000	Over \$100,000
	iShares Core Dividend Growth ETF	\$50,001-\$100,000	
	iShares Core MSCI Total International Stock ETF	\$50,001-\$100,000	
	iShares Core S&P Total U.S. Stock Market ETF	Over \$100,000	

Name	Fund	Dollar Range of Equity Securities in Named Fund	Aggregate Dollar Range of Equity Securities in all Registered Investment Companies Overseen by Trustee in Family of Investment Companies
	iShares Exponential Technologies ETF	Over \$100,000	
	iShares MSCI Frontier 100 ETF	\$1-\$10,000	
	iShares Nasdaq Biotechnology ETF	\$50,001-\$100,000	
	iShares Short Maturity Bond ETF	Over \$100,000	
	iShares Ultra Short-Term Bond ETF	Over \$100,000	
John E. Martinez	iShares Core 5-10 Year USD Bond ETF	Over \$100,000	Over \$100,000
	iShares Core International Aggregate Bond ETF	Over \$100,000	
	iShares Global Consumer Staples ETF	Over \$100,000	
	iShares Interest Rate Hedged Long-Term Corporate Bond ETF	Over \$100,000	
	iShares Intermediate-Term Corporate Bond ETF	Over \$100,000	
	iShares MSCI EAFE ETF	Over \$100,000	
	iShares Russell 1000 ETF	Over \$100,000	
	iShares Russell 1000 Value ETF	Over \$100,000	
Madhav V. Rajan	iShares Russell 2000 ETF	Over \$100,000	Over \$100,000
	iShares Broad USD High Yield Corporate Bond ETF	Over \$100,000	
	iShares Core Dividend Growth ETF	Over \$100,000	
	iShares Core High Dividend ETF	Over \$100,000	
	iShares Core MSCI EAFE ETF	Over \$100,000	
	iShares Core S&P 500 ETF	Over \$100,000	
	iShares Mortgage Real Estate ETF	Over \$100,000	
	iShares Preferred and Income Securities ETF	Over \$100,000	
	iShares Russell 2000 ETF	Over \$100,000	
	iShares Select Dividend ETF	Over \$100,000	
	iShares Short-Term Corporate Bond ETF	Over \$100,000	
	iShares Short Maturity Bond ETF	Over \$100,000	
	iShares Ultra Short-Term Bond ETF	Over \$100,000	

As of December 31, 2019, none of the Independent Trustees or their immediate family members owned beneficially or of record any securities of BFA (the Funds' investment adviser), the Distributor or any person controlling, controlled by or under common control with BFA or the Distributor.

**Remuneration of Trustees and Advisory Board Members.** Effective January 1, 2020, each current Independent Trustee is paid an annual retainer of \$395,000 for his or her services as a Board member to the BlackRock-advised Funds in the Exchange-Traded Fund Complex, together with out-of-pocket expenses in accordance with the Board's policy on travel and other business expenses relating to attendance at meetings. The annual retainer for services as an Advisory Board Member is the same as the annual retainer for services as a Board member. The Independent Chair of the Board is paid an additional annual retainer of \$80,000. The Chair of each of the Equity Plus Committee, Fixed Income Plus Committee, Securities Lending Committee, Risk Committee, Nominating and Governance Committee and 15(c) Committee is paid an additional

annual retainer of \$25,000. The Chair of the Audit Committee is paid an additional annual retainer of \$40,000. Each Independent Trustee that served as a director of subsidiaries of the Exchange-Traded Fund Complex is paid an additional annual retainer of \$10,000 (plus an additional \$1,765 paid annually to compensate for taxes due in the Republic of Mauritius in connection with such Trustee's service on the boards of certain Mauritius-based subsidiaries).

The table below sets forth the compensation earned by each Independent Trustee and Interested Trustee for services to each Fund for the fiscal year ended March 31, 2020 and the aggregate compensation paid to them for services to the Exchange-Traded Fund Complex for the calendar year ended December 31, 2019.

Name	iShares Core S&P 500 ETF	iShares Core S&P Mid-Cap ETF	iShares Core S&P Small-Cap ETF	iShares Core S&P Total U.S. Stock Market ETF
<i>Independent Trustees:</i>				
Jane D. Carlin	\$52,541	\$12,703	\$11,339	\$6,999
Richard L. Fagnani	57,090	13,803	12,321	7,605
Cecilia H. Herbert	61,205	14,797	13,209	8,153
John E. Kerrigan	57,170	13,822	12,338	7,616
Drew E. Lawton	55,073	13,315	11,886	7,336
John E. Martinez	53,807	13,009	11,613	7,168
Madhav V. Rajan	53,807	13,009	11,613	7,168

*Interested Trustees:*

Robert S. Kapito	\$ 0	\$ 0	\$ 0	\$ 0
Salim Ramji <sup>1</sup>	0	0	0	0
Mark K. Wiedman <sup>2</sup>	0	0	0	0

Name	iShares Core S&P U.S. Growth ETF	iShares Core S&P U.S. Value ETF	iShares Europe ETF	iShares Expanded Tech Sector ETF
<i>Independent Trustees:</i>				
Jane D. Carlin	\$2,482	\$1,891	\$337	\$ 618
Richard L. Fagnani	2,697	2,054	366	672
Cecilia H. Herbert	2,891	2,202	392	720
John E. Kerrigan	2,700	2,057	366	673
Drew E. Lawton	2,601	1,982	353	648
John E. Martinez	2,542	1,936	345	633
Madhav V. Rajan	2,542	1,936	345	633

*Interested Trustees:*

Robert S. Kapito	\$ 0	\$ 0	\$ 0	\$ 0
Salim Ramji <sup>1</sup>	0	0	0	0
Mark K. Wiedman <sup>2</sup>	0	0	0	0

Name	iShares Expanded Tech-Software Sector ETF	iShares Factors US Blend Style ETF <sup>3</sup>	iShares Factors US Growth Style ETF <sup>4</sup>	iShares Factors US Mid Blend Style ETF <sup>5</sup>
<i>Independent Trustees:</i>				
Jane D. Carlin	\$1,097	\$0	\$1	\$0
Richard L. Fagnani	1,192	0	2	0
Cecilia H. Herbert	1,278	0	2	0
John E. Kerrigan	1,194	0	2	0

Name	iShares Expanded Tech-Software Sector ETF	iShares Factors US Blend Style ETF <sup>3</sup>	iShares Factors US Growth Style ETF <sup>4</sup>	iShares Factors US Mid Blend Style ETF <sup>5</sup>
Drew E. Lawton	1,150	0	2	0
John E. Martinez	1,124	0	2	0
Madhav V. Rajan	1,124	0	2	0

*Interested Trustees:*

Robert S. Kapito	\$ 0	\$0	\$0	\$0
Salim Ramji <sup>1</sup>	0	0	0	0
Mark K. Wiedman <sup>2</sup>	0	0	0	0

Name	iShares Factors US Small Blend Style ETF <sup>6</sup>	iShares Factors US Value Style ETF <sup>7</sup>	iShares Focused Value Factor ETF	iShares Global Consumer Staples ETF
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*Independent Trustees:*

Jane D. Carlin	\$0	\$1	\$7	\$207
Richard L. Fagnani	0	1	7	225
Cecilia H. Herbert	0	1	8	241
John E. Kerrigan	0	1	7	225
Drew E. Lawton	0	1	7	217
John E. Martinez	0	1	7	212
Madhav V. Rajan	0	1	7	212

*Interested Trustees:*

Robert S. Kapito	\$0	\$0	\$0	\$ 0
Salim Ramji <sup>1</sup>	0	0	0	0
Mark K. Wiedman <sup>2</sup>	0	0	0	0

Name	iShares Global Energy ETF	iShares Global Financials ETF	iShares Global Industrials ETF	iShares Global Infrastructure ETF
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*Independent Trustees:*

Jane D. Carlin	\$223	\$74	\$45	\$ 985
Richard L. Fagnani	243	80	49	1,070
Cecilia H. Herbert	260	86	52	1,147
John E. Kerrigan	243	80	49	1,071
Drew E. Lawton	234	77	47	1,032
John E. Martinez	229	75	46	1,008
Madhav V. Rajan	229	75	46	1,008

*Interested Trustees:*

Robert S. Kapito	\$ 0	\$ 0	\$ 0	\$ 0
Salim Ramji <sup>1</sup>	0	0	0	0
Mark K. Wiedman <sup>2</sup>	0	0	0	0



Name	iShares Global Utilities ETF	iShares International Developed Property ETF	iShares International Preferred Stock ETF	iShares JPX-Nikkei 400 ETF
<i>Independent Trustees:</i>				
Jane D. Carlin	\$55	\$28	\$10	\$28
Richard L. Fagnani	60	31	11	31
Cecilia H. Herbert	64	33	11	33
John E. Kerrigan	60	31	11	31
Drew E. Lawton	58	30	10	30
John E. Martinez	56	29	10	29
Madhav V. Rajan	56	29	10	29

*Interested Trustees:*

Robert S. Kapito	\$ 0	\$ 0	\$ 0	\$ 0
Salim Ramji <sup>1</sup>	0	0	0	0
Mark K. Wiedman <sup>2</sup>	0	0	0	0

Name	iShares Micro-Cap ETF	iShares Mortgage Real Estate ETF	iShares Nasdaq Biotechnology ETF	iShares North American Natural Resources ETF
<i>Independent Trustees:</i>				
Jane D. Carlin	\$203	\$198	\$2,296	\$ 96
Richard L. Fagnani	221	215	2,495	105
Cecilia H. Herbert	237	230	2,675	112
John E. Kerrigan	221	215	2,499	105
Drew E. Lawton	213	207	2,407	101
John E. Martinez	208	202	2,352	99
Madhav V. Rajan	208	202	2,352	99

*Interested Trustees:*

Robert S. Kapito	\$ 0	\$ 0	\$ 0	\$ 0
Salim Ramji <sup>1</sup>	0	0	0	0
Mark K. Wiedman <sup>2</sup>	0	0	0	0

Name	iShares North American Tech-Multimedia Networking ETF	iShares PHLX Semiconductor ETF	iShares Preferred and Income Securities ETF	iShares Residential and Multisector Real Estate ETF
<i>Independent Trustees:</i>				
Jane D. Carlin	\$16	\$775	\$4,840	\$120
Richard L. Fagnani	17	842	5,259	130
Cecilia H. Herbert	18	903	5,638	140
John E. Kerrigan	17	844	5,266	131
Drew E. Lawton	16	813	5,073	126
John E. Martinez	16	794	4,956	123
Madhav V. Rajan	16	794	4,956	123

*Interested Trustees:*

Name	iShares North American Tech-Multimedia Networking ETF	iShares PHLX Semiconductor ETF	iShares Preferred and Income Securities ETF	iShares Residential and Multisector Real Estate ETF
Robert S. Kapito	\$0	\$0	\$0	\$0
Salim Ramji <sup>1</sup>	0	0	0	0
Mark K. Wiedman <sup>2</sup>	0	0	0	0

Name	iShares Russell 1000 ETF	iShares Russell 1000 Growth ETF	iShares Russell 1000 Pure U.S. Revenue ETF	iShares Russell 1000 Value ETF
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*Independent Trustees:*

Jane D. Carlin	\$6,055	\$15,366	\$1	\$11,228
Richard L. Fagnani	6,579	16,696	1	12,200
Cecilia H. Herbert	7,053	17,900	1	13,079
John E. Kerrigan	6,588	16,720	1	12,217
Drew E. Lawton	6,347	16,106	1	11,769
John E. Martinez	6,201	15,736	1	11,498
Madhav V. Rajan	6,201	15,736	1	11,498

*Interested Trustees:*

Robert S. Kapito	\$ 0	\$ 0	\$0	\$ 0
Salim Ramji <sup>1</sup>	0	0	0	0
Mark K. Wiedman <sup>2</sup>	0	0	0	0

Name	iShares Russell 2000 ETF	iShares Russell 2000 Growth ETF	iShares Russell 2000 Value ETF	iShares Russell 3000 ETF
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*Independent Trustees:*

Jane D. Carlin	\$ 11,137	\$2,502	\$2,382	\$2,881
Richard L. Fagnani	12,102	2,719	2,588	3,131
Cecilia H. Herbert	12,974	2,915	2,775	3,356
John E. Kerrigan	12,119	2,723	2,592	3,135
Drew E. Lawton	11,674	2,623	2,497	3,020
John E. Martinez	11,406	2,563	2,439	2,951
Madhav V. Rajan	11,406	2,563	2,439	2,951

*Interested Trustees:*

Robert S. Kapito	\$ 0	\$ 0	\$ 0	\$ 0
Salim Ramji <sup>1</sup>	0	0	0	0
Mark K. Wiedman <sup>2</sup>	0	0	0	0

Name	iShares Russell Mid-Cap ETF	iShares Russell Mid-Cap Growth ETF	iShares Russell Mid-Cap Value ETF	iShares Russell Top 200 ETF
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*Independent Trustees:*

Jane D. Carlin	\$5,693	\$3,384	\$2,968	\$134
Richard L. Fagnani	6,186	3,677	3,225	145
Cecilia H. Herbert	6,632	3,942	3,458	156

Name	iShares Russell Mid-Cap ETF	iShares Russell Mid-Cap Growth ETF	iShares Russell Mid-Cap Value ETF	iShares Russell Top 200 ETF
John E. Kerrigan	6,194	3,682	3,230	145
Drew E. Lawton	5,967	3,547	3,111	140
John E. Martinez	5,830	3,465	3,040	137
Madhav V. Rajan	5,830	3,465	3,040	137

*Interested Trustees:*

Robert S. Kapito	\$ 0	\$ 0	\$ 0	\$ 0
Salim Ramji <sup>1</sup>	0	0	0	0
Mark K. Wiedman <sup>2</sup>	0	0	0	0

Name	iShares Russell Top 200 Growth ETF	iShares Russell Top 200 Value ETF	iShares S&P 100 ETF	iShares S&P 500 Growth ETF
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*Independent Trustees:*

Jane D. Carlin	\$608	\$ 141	\$1,757	\$8,004
Richard L. Fagnani	660	153	1,909	8,698
Cecilia H. Herbert	708	164	2,046	9,324
John E. Kerrigan	661	153	1,911	8,710
Drew E. Lawton	637	148	1,841	8,390
John E. Martinez	622	144	1,799	8,197
Madhav V. Rajan	622	144	1,799	8,197

*Interested Trustees:*

Robert S. Kapito	\$ 0	\$ 0	\$ 0	\$ 0
Salim Ramji <sup>1</sup>	0	0	0	0
Mark K. Wiedman <sup>2</sup>	0	0	0	0

Name	iShares S&P 500 Value ETF	iShares S&P Mid-Cap 400 Growth ETF	iShares S&P Mid-Cap 400 Value ETF	iShares S&P Small-Cap 600 Growth ETF
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*Independent Trustees:*

Jane D. Carlin	\$5,093	\$1,903	\$1,379	\$1,272
Richard L. Fagnani	5,534	2,068	1,499	1,383
Cecilia H. Herbert	5,933	2,217	1,607	1,482
John E. Kerrigan	5,542	2,071	1,501	1,384
Drew E. Lawton	5,338	1,995	1,446	1,334
John E. Martinez	5,216	1,949	1,413	1,303
Madhav V. Rajan	5,216	1,949	1,413	1,303

*Interested Trustees:*

Robert S. Kapito	\$ 0	\$ 0	\$ 0	\$ 0
Salim Ramji <sup>1</sup>	0	0	0	0
Mark K. Wiedman <sup>2</sup>	0	0	0	0

<u>Name</u>	<u>iShares S&amp;P Small-Cap 600 Value ETF</u>	<u>iShares U.S. Aerospace &amp; Defense ETF</u>	<u>iShares U.S. Broker-Dealers &amp; Securities Exchanges ETF</u>	<u>iShares U.S. Healthcare Providers ETF</u>
<i>Independent Trustees:</i>				
Jane D. Carlin	\$1,486	\$1,018	\$51	\$284
Richard L. Fagnani	1,615	1,106	55	308
Cecilia H. Herbert	1,731	1,186	59	331
John E. Kerrigan	1,617	1,107	55	309
Drew E. Lawton	1,558	1,067	53	298
John E. Martinez	1,522	1,042	52	291
Madhav V. Rajan	1,522	1,042	52	291

*Interested Trustees:*

Robert S. Kapito	\$ 0	\$ 0	\$ 0	\$ 0
Salim Ramji <sup>1</sup>	0	0	0	0
Mark K. Wiedman <sup>2</sup>	0	0	0	0

<u>Name</u>	<u>iShares U.S. Home Construction ETF</u>	<u>iShares U.S. Infrastructure ETF</u>	<u>iShares U.S. Insurance ETF</u>	<u>iShares U.S. Medical Devices ETF</u>
<i>Independent Trustees:</i>				
Jane D. Carlin	\$256	\$2	\$23	\$1,500
Richard L. Fagnani	278	2	24	1,630
Cecilia H. Herbert	298	2	26	1,748
John E. Kerrigan	279	2	25	1,633
Drew E. Lawton	269	2	24	1,573
John E. Martinez	262	2	23	1,537
Madhav V. Rajan	262	2	23	1,537

*Interested Trustees:*

Robert S. Kapito	\$ 0	\$0	\$ 0	\$ 0
Salim Ramji <sup>1</sup>	0	0	0	0
Mark K. Wiedman <sup>2</sup>	0	0	0	0

<u>Name</u>	<u>iShares U.S. Oil &amp; Gas Exploration &amp; Production ETF</u>	<u>iShares U.S. Oil Equipment &amp; Services ETF</u>	<u>iShares U.S. Pharmaceuticals ETF</u>
<i>Independent Trustees:</i>			
Jane D. Carlin	\$33	\$ 9	\$100
Richard L. Fagnani	35	10	109
Cecilia H. Herbert	38	11	117
John E. Kerrigan	36	10	109
Drew E. Lawton	34	10	105
John E. Martinez	33	9	102
Madhav V. Rajan	33	9	102

*Interested Trustees:*

Name	iShares U.S. Oil & Gas Exploration & Production ETF	iShares U.S. Oil Equipment & Services ETF	iShares U.S. Pharmaceuticals ETF
Robert S. Kapito	\$0	\$0	\$0
Salim Ramji <sup>1</sup>	0	0	0
Mark K. Wiedman <sup>2</sup>	0	0	0

Name	iShares U.S. Real Estate ETF	iShares U.S. Regional Banks ETF	iShares U.S. Telecommunications ETF
<i>Independent Trustees:</i>			
Jane D. Carlin	\$1,069	\$71	\$106
Richard L. Fagnani	1,161	78	115
Cecilia H. Herbert	1,245	83	123
John E. Kerrigan	1,163	78	115
Drew E. Lawton	1,120	75	111
John E. Martinez	1,094	73	108
Madhav V. Rajan	1,094	73	108

*Interested Trustees:*

Robert S. Kapito	\$ 0	\$ 0	\$ 0
Salim Ramji <sup>1</sup>	0	0	0
Mark K. Wiedman <sup>2</sup>	0	0	0

Name	Pension or Retirement Benefits Accrued As Part of Trust Expenses <sup>5</sup>	Estimated Annual Benefits Upon Retirement <sup>6</sup>	Total Compensation From the Funds and Fund Complex <sup>9</sup>
<i>Independent Trustees:</i>			
Jane D. Carlin	Not Applicable	Not Applicable	395,000
Richard L. Fagnani	Not Applicable	Not Applicable	421,764
Cecilia H. Herbert	Not Applicable	Not Applicable	450,000
John E. Kerrigan	Not Applicable	Not Applicable	420,000
Drew E. Lawton	Not Applicable	Not Applicable	406,764
John E. Martinez	Not Applicable	Not Applicable	395,000
Madhav V. Rajan	Not Applicable	Not Applicable	395,000

*Interested Trustees:*

Robert S. Kapito	Not Applicable	Not Applicable	\$0
Salim Ramji <sup>1</sup>	Not Applicable	Not Applicable	0
Mark K. Wiedman <sup>2</sup>	Not Applicable	Not Applicable	0

<sup>1</sup> Appointed to serve as an Interested Trustee effective June 19, 2019.

<sup>2</sup> Served as an Interested Trustee through June 19, 2019.

<sup>3</sup> No compensation was paid by the iShares Factors US Blend Style ETF for the fiscal year ended March 31, 2020 because the inception date of the Fund is April 14, 2020.

<sup>4</sup> For the iShares Factors US Growth Style ETF, compensation reported is from the Fund's inception date of January 14, 2020 to March 31, 2020.

<sup>5</sup> No compensation was paid by the iShares Factors US Mid Blend Style ETF for the fiscal year ended March 31, 2020 because the inception date of the Fund is April 14, 2020.

- <sup>6</sup> No compensation was paid by the iShares Factors US Small Blend Style ETF for the fiscal year ended March 31, 2020 because the inception date of the Fund is April 14, 2020.
- <sup>7</sup> For the iShares Factors US Value Style ETF, compensation reported is from the Fund's inception date of January 14, 2020 to March 31, 2020.
- <sup>8</sup> No Trustee or officer is entitled to any pension or retirement benefits from the Trust.
- <sup>9</sup> Also includes compensation for service on the Board of Trustees of iShares U.S. ETF Trust and the Board of Directors of iShares, Inc.

### Control Persons and Principal Holders of Securities.

The Trustees and officers of the Trust collectively owned less than 1% of each Fund's outstanding shares as of June 30, 2020.

Although the Trust does not have information concerning the beneficial ownership of shares held in the names of Depository Trust Company ("DTC") participants (as defined below), as of June 30, 2020, the name and percentage ownership of each DTC participant that owned of record 5% or more of the outstanding shares of a Fund were as follows:

Fund	Name	Percentage of Ownership
iShares Core S&P 500 ETF	National Financial Services LLC	15.38%
	499 Washington Blvd	
	Jersey City, NJ 07310	
	Charles Schwab & Co., Inc.	8.58%
	101 Montgomery Street	
	San Francisco, CA 94014	
	Pershing LLC	7.00%
	One Pershing Plaza	
iShares Core S&P Mid-Cap ETF	Jersey City, NJ 07399	
	The Bank of New York Mellon	5.33%
	111 Sanders Creek Parkway	
	2 <sup>nd</sup> Floor	
	East Syracuse, NY 13057	
	JPMorgan Chase Bank, National Association	5.10%
	500 Stanton Christiana Road	
	Newark, DE 19713	
	National Financial Services LLC	12.78%
	499 Washington Blvd	
	Jersey City, NJ 07310	
	Charles Schwab & Co., Inc.	9.82%
	101 Montgomery Street	
	San Francisco, CA 94014	
	Pershing LLC	8.25%
	One Pershing Plaza	
	Jersey City, NJ 07399	
	Wells Fargo Clearing Services LLC	5.56%
	2801 Market Street	
	St Louis, MO 63103	
	TD Ameritrade Clearing, Inc.	5.53%
	4700 Alliance Gateway Freeway	
	Fort Worth, TX 76177	
	The Bank of New York Mellon	5.53%
	111 Sanders Creek Parkway	
	2 <sup>nd</sup> Floor	
	East Syracuse, NY 13057	



Fund	Name	Percentage of Ownership
iShares Core S&P Small-Cap ETF	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	18.02%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	12.02%
	Pershing LLC One Pershing Plaza Jersey City, NJ 07399	9.21%
iShares Core S&P Total U.S. Stock Market ETF	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	28.00%
	TD Ameritrade Clearing, Inc. 4700 Alliance Gateway Freeway Fort Worth, TX 76177	8.43%
	Wells Fargo Bank, National Association 733 Marquette Ave 4 <sup>th</sup> Floor Minneapolis, MN 55402	6.50%
	The Bank of New York Mellon 111 Sanders Creek Parkway 2 <sup>nd</sup> Floor East Syracuse, NY 13057	6.04%
	Wells Fargo Clearing Services LLC 2801 Market Street St Louis, MO 63103	5.89%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	5.78%
	Merrill Lynch, Pierce, Fenner & Smith Incorporated - TS Sub 101 Hudson Street 9th Floor Jersey City, NJ 07302-3997	30.00%
	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	13.98%
iShares Core S&P U.S. Growth ETF	LPL Financial Corporation 9785 Towne Centre Drive San Diego, CA 92121-1968	13.20%
	Edward D. Jones & Co. 12555 Manchester Road Saint Louis, MO 63131	8.65%
	Morgan Stanley Smith Barney LLC One New York Plaza New York, NY 10004	5.83%

Fund	Name	Percentage of Ownership
iShares Core S&P U.S. Value ETF	Merrill Lynch, Pierce, Fenner & Smith Incorporated - TS Sub	36.65%
	101 Hudson Street	
	9th Floor	
	Jersey City, NJ 07302-3997	
	National Financial Services LLC	13.62%
	499 Washington Blvd	
	Jersey City, NJ 07310	
	LPL Financial Corporation	12.00%
	9785 Towne Centre Drive	
	San Diego, CA 92121-1968	
iShares Europe ETF	Morgan Stanley Smith Barney LLC	6.36%
	One New York Plaza	
	New York, NY 10004	
	Charles Schwab & Co., Inc.	6.05%
	101 Montgomery Street	
	San Francisco, CA 94014	
	JPMorgan Chase Bank, National Association	30.14%
	500 Stanton Christiana Road	
	Newark, DE 19713	
	Morgan Stanley Smith Barney LLC	8.71%
iShares Expanded Tech Sector ETF	One New York Plaza	
	New York, NY 10004	
	National Financial Services LLC	7.53%
	499 Washington Blvd	
	Jersey City, NJ 07310	
	Charles Schwab & Co., Inc.	5.88%
	101 Montgomery Street	
	San Francisco, CA 94014	
	The Bank of New York Mellon	5.79%
	111 Sanders Creek Parkway	
iShares Europe ETF	2 <sup>nd</sup> Floor	
	East Syracuse, NY 13057	
	Citibank, N.A.	5.40%
	3800 CitiBank Center Tampa	
	Building B/1st Floor Zone 8	
	Tampa, FL 33610-9122	
	Charles Schwab & Co., Inc.	16.29%
	101 Montgomery Street	
	San Francisco, CA 94014	
	National Financial Services LLC	15.82%
iShares Expanded Tech Sector ETF	499 Washington Blvd	
	Jersey City, NJ 07310	
	JPMorgan Chase Bank, National Association	9.06%
	500 Stanton Christiana Road	
iShares Europe ETF	Newark, DE 19713	

Fund	Name	Percentage of Ownership
	Citibank, N.A. 3800 CitiBank Center Tampa Building B/1st Floor Zone 8 Tampa, FL 33610-9122	6.45%
	Morgan Stanley Smith Barney LLC One New York Plaza New York, NY 10004	6.02%
	TD Ameritrade Clearing, Inc. 4700 Alliance Gateway Freeway Fort Worth, TX 76177	5.60%
	Merrill Lynch, Pierce, Fenner & Smith Incorporated - TS Sub 101 Hudson Street 9th Floor Jersey City, NJ 07302-3997	5.42%
iShares Expanded Tech-Software Sector ETF	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	13.57%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	10.81%
	Citibank, N.A. 3800 CitiBank Center Tampa Building B/1st Floor Zone 8 Tampa, FL 33610-9122	9.74%
	JPMorgan Chase Bank, National Association 500 Stanton Christiana Road Newark, DE 19713	8.21%
	Merrill Lynch, Pierce, Fenner & Smith Incorporated - TS Sub 101 Hudson Street 9th Floor Jersey City, NJ 07302-3997	6.37%
iShares Factors US Blend Style ETF	State Street Bank and Trust Company 1776 Heritage Drive North Quincy, MA 02171	75.00%
	ABN AMRO Clearing Chicago LLC 175 West Jackson Boulevard Chicago, IL 60604	23.73%
iShares Factors US Growth Style ETF	State Street Bank and Trust Company 1776 Heritage Drive North Quincy, MA 02171	75.00%
	ABN AMRO Clearing Chicago LLC 175 West Jackson Boulevard Chicago, IL 60604	21.79%

Fund	Name	Percentage of Ownership
iShares Factors US Mid Blend Style ETF	State Street Bank and Trust Company 1776 Heritage Drive North Quincy, MA 02171	75.00%
	ABN AMRO Clearing Chicago LLC 175 West Jackson Boulevard Chicago, IL 60604	24.55%
iShares Factors US Small Blend Style ETF	State Street Bank and Trust Company 1776 Heritage Drive North Quincy, MA 02171	75.00%
	ABN AMRO Clearing Chicago LLC 175 West Jackson Boulevard Chicago, IL 60604	24.29%
iShares Factors US Value Style ETF	TD Ameritrade Clearing, Inc. 4700 Alliance Gateway Freeway Fort Worth, TX 76177	77.45%
	ABN AMRO Clearing Chicago LLC 175 West Jackson Boulevard Chicago, IL 60604	11.18%
	Merrill Lynch, Pierce, Fenner & Smith Incorporated 101 Hudson Street 9 <sup>th</sup> Floor Jersey City, NJ 07302-3997	8.38%
iShares Focused Value Factor ETF	State Street Bank and Trust Company 1776 Heritage Drive North Quincy, MA 02171	89.50%
iShares Global Consumer Staples ETF	JPMorgan Chase Bank, National Association 500 Stanton Christiana Road Newark, DE 19713	13.65%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	11.29%
	Merrill Lynch, Pierce, Fenner & Smith Incorporated - TS Sub 101 Hudson Street 9th Floor Jersey City, NJ 07302-3997	8.94%
	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	8.75%
	UBS Financial Services Inc. 1000 Harbor Blvd. Weehawken, NJ 07086	7.75%

Fund	Name	Percentage of Ownership
iShares Global Energy ETF	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	12.63%
	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	12.19%
	TD Ameritrade Clearing, Inc. 4700 Alliance Gateway Freeway Fort Worth, TX 76177	6.23%
	Citibank, N.A. 3800 CitiBank Center Tampa Building B/1st Floor Zone 8 Tampa, FL 33610-9122	5.71%
	Morgan Stanley Smith Barney LLC One New York Plaza New York, NY 10004	5.07%
iShares Global Financials ETF	The Bank of New York Mellon 111 Sanders Creek Parkway 2 <sup>nd</sup> Floor East Syracuse, NY 13057	27.39%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	10.90%
	JPMorgan Chase Bank, National Association 500 Stanton Christiana Road Newark, DE 19713	9.90%
	Citibank, N.A. 3800 CitiBank Center Tampa Building B/1st Floor Zone 8 Tampa, FL 33610-9122	6.67%
	Morgan Stanley Smith Barney LLC One New York Plaza New York, NY 10004	6.14%
	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	5.73%
iShares Global Industrials ETF	BlackRock Institutional Trust Company, N.A. 400 Howard Street San Francisco, CA 94105	15.38%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	11.42%
	The Bank of New York Mellon 111 Sanders Creek Parkway 2 <sup>nd</sup> Floor East Syracuse, NY 13057	8.93%
	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	7.73%

Fund	Name	Percentage of Ownership
	JPMorgan Chase Bank, National Association 500 Stanton Christiana Road Newark, DE 19713	7.56%
	BNP Paribas, New York Branch/Custody Services 525 Washington BLVD. Jersey City, NJ 07310	6.73%
	Morgan Stanley Smith Barney LLC One New York Plaza New York, NY 10004	5.24%
iShares Global Infrastructure ETF	JPMorgan Chase Bank, National Association 500 Stanton Christiana Road Newark, DE 19713	24.26%
	Northern Trust Company (The) 801 South Canal Street Chicago, IL 60607	24.12%
	The Bank of New York Mellon 111 Sanders Creek Parkway 2 <sup>nd</sup> Floor East Syracuse, NY 13057	9.86%
	State Street Bank and Trust Company 1776 Heritage Drive North Quincy, MA 02171	5.75%
iShares Global Utilities ETF	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	12.92%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	12.02%
	Morgan Stanley Smith Barney LLC One New York Plaza New York, NY 10004	7.86%
	J.P. Morgan Securities, LLC/JPMC 500 Stanton Christiana Road Newark, DE 19713	7.59%
	The Bank of New York Mellon 111 Sanders Creek Parkway 2 <sup>nd</sup> Floor East Syracuse, NY 13057	5.63%
	Merrill Lynch, Pierce, Fenner & Smith Incorporated - TS Sub 101 Hudson Street 9th Floor Jersey City, NJ 07302-3997	5.29%
iShares International Developed Property ETF	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	24.72%



Fund	Name	Percentage of Ownership
	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	15.63%
	TD Ameritrade Clearing, Inc. 4700 Alliance Gateway Freeway Fort Worth, TX 76177	7.90%
	JPMorgan Chase Bank, National Association 500 Stanton Christiana Road Newark, DE 19713	6.07%
	Morgan Stanley Smith Barney LLC One New York Plaza New York, NY 10004	5.99%
iShares International Preferred Stock ETF	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	14.38%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	11.69%
	TD Ameritrade Clearing, Inc. 4700 Alliance Gateway Freeway Fort Worth, TX 76177	9.60%
	Merrill Lynch, Pierce, Fenner & Smith Incorporated - TS Sub 101 Hudson Street 9th Floor Jersey City, NJ 07302-3997	8.23%
	Morgan Stanley Smith Barney LLC One New York Plaza New York, NY 10004	8.13%
	RBC Dominion Securities, Inc. 200 Bay Street, 6th Floor Royal Bank Plaza North Tower Toronto, ON M5J 2W7	5.47%
iShares JPX-Nikkei 400 ETF	J.P. Morgan Securities, LLC/JPMC 500 Stanton Christiana Road Newark, DE 19713	16.15%
	Merrill Lynch, Pierce, Fenner & Smith Incorporated 101 Hudson Street 9 <sup>th</sup> Floor Jersey City, NJ 07302-3997	14.20%
	Northern Trust Company (The) 801 South Canal Street Chicago, IL 60607	12.41%
	Morgan Stanley Smith Barney LLC One New York Plaza New York, NY 10004	10.93%

Fund	Name	Percentage of Ownership
iShares Micro-Cap ETF	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	5.83%
	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	5.13%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	27.22%
	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	21.69%
iShares Mortgage Real Estate ETF	TD Ameritrade Clearing, Inc. 4700 Alliance Gateway Freeway Fort Worth, TX 76177	10.73%
	State Street Bank and Trust Company 1776 Heritage Drive North Quincy, MA 02171	8.17%
	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	15.89%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	11.30%
	TD Ameritrade Clearing, Inc. 4700 Alliance Gateway Freeway Fort Worth, TX 76177	8.34%
	BlackRock Institutional Trust Company, N.A. 400 Howard Street San Francisco, CA 94105	6.90%
	Morgan Stanley Smith Barney LLC One New York Plaza New York, NY 10004	6.42%
	Pershing LLC One Pershing Plaza Jersey City, NJ 07399	5.98%
	Merrill Lynch, Pierce, Fenner & Smith Incorporated - TS Sub 101 Hudson Street 9th Floor Jersey City, NJ 07302-3997	5.77%
	Citibank, N.A. 3800 CitiBank Center Tampa Building B/1st Floor Zone 8 Tampa, FL 33610-9122	5.33%

Fund	Name	Percentage of Ownership
iShares Nasdaq Biotechnology ETF	Merrill Lynch, Pierce, Fenner & Smith Incorporated - TS Sub 101 Hudson Street 9th Floor Jersey City, NJ 07302-3997	18.95%
	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	11.99%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	10.86%
	Morgan Stanley Smith Barney LLC One New York Plaza New York, NY 10004	7.68%
	TD Ameritrade Clearing, Inc. 4700 Alliance Gateway Freeway Fort Worth, TX 76177	6.22%
iShares North American Natural Resources ETF	Morgan Stanley Smith Barney LLC One New York Plaza New York, NY 10004	12.53%
	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	11.72%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	11.04%
	U.S. Bank N.A. 1555 North Rivercenter Dr. Suite 302 Milwaukee, WI 53212	7.87%
	State Street Bank and Trust Company 1776 Heritage Drive North Quincy, MA 02171	6.64%
	Merrill Lynch, Pierce, Fenner & Smith Incorporated - TS Sub 101 Hudson Street 9th Floor Jersey City, NJ 07302-3997	6.15%
	TD Ameritrade Clearing, Inc. 4700 Alliance Gateway Freeway Fort Worth, TX 76177	5.73%
	Pershing LLC One Pershing Plaza Jersey City, NJ 07399	5.58%
	VANGUARD Marketing Corporation 100 Vanguard Boulevard Malvern, PA 19355	5.52%

Fund	Name	Percentage of Ownership
iShares North American Tech-Multimedia Networking ETF	Merrill Lynch, Pierce, Fenner & Smith Incorporated - TS Sub 101 Hudson Street 9th Floor Jersey City, NJ 07302-3997	13.22%
	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	12.91%
	Morgan Stanley Smith Barney LLC One New York Plaza New York, NY 10004	8.95%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	8.42%
	Wells Fargo Clearing Services LLC 2801 Market Street St Louis, MO 63103	8.14%
	Merrill Lynch, Pierce, Fenner & Smith Incorporated 101 Hudson Street 9 <sup>th</sup> Floor Jersey City, NJ 07302-3997	7.69%
	TD Ameritrade Clearing, Inc. 4700 Alliance Gateway Freeway Fort Worth, TX 76177	5.75%
	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	20.42%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	9.24%
	JPMorgan Chase Bank, National Association 500 Stanton Christiana Road Newark, DE 19713	7.57%
iShares PHLX Semiconductor ETF	Merrill Lynch, Pierce, Fenner & Smith Incorporated - TS Sub 101 Hudson Street 9th Floor Jersey City, NJ 07302-3997	6.58%
	Citibank, N.A. 3800 CitiBank Center Tampa Building B/1st Floor Zone 8 Tampa, FL 33610-9122	6.09%
	The Bank of New York Mellon 111 Sanders Creek Parkway 2 <sup>nd</sup> Floor East Syracuse, NY 13057	5.39%

Fund	Name	Percentage of Ownership
iShares Preferred and Income Securities ETF	National Financial Services LLC	17.30%
	499 Washington Blvd	
	Jersey City, NJ 07310	
	Charles Schwab & Co., Inc.	12.59%
	101 Montgomery Street	
	San Francisco, CA 94014	
	Merrill Lynch, Pierce, Fenner & Smith	6.56%
	Incorporated - TS Sub	
	101 Hudson Street	
	9th Floor	
iShares Residential and Multisector Real Estate ETF	Jersey City, NJ 07302-3997	
	Wells Fargo Clearing Services LLC	6.28%
	2801 Market Street	
	St Louis, MO 63103	
	TD Ameritrade Clearing, Inc.	6.20%
	4700 Alliance Gateway Freeway	
	Fort Worth, TX 76177	
	Morgan Stanley Smith Barney LLC	5.50%
	One New York Plaza	
	New York, NY 10004	
iShares Russell 1000 ETF	National Financial Services LLC	22.07%
	499 Washington Blvd	
	Jersey City, NJ 07310	
	Charles Schwab & Co., Inc.	13.42%
	101 Montgomery Street	
	San Francisco, CA 94014	
	TD Ameritrade Clearing, Inc.	8.85%
	4700 Alliance Gateway Freeway	
	Fort Worth, TX 76177	
	Merrill Lynch, Pierce, Fenner & Smith	7.24%
iShares Russell 1000 ETF	Incorporated - TS Sub	
	101 Hudson Street	
	9th Floor	
	Jersey City, NJ 07302-3997	
	Pershing LLC	7.19%
	One Pershing Plaza	
	Jersey City, NJ 07399	
	Ameriprise Enterprise Investment Services, Inc.	5.98%
	901 3 <sup>rd</sup> Avenue South	
	Minneapolis, MN 55474	
iShares Russell 1000 ETF	National Financial Services LLC	18.23%
	499 Washington Blvd	
	Jersey City, NJ 07310	
	Charles Schwab & Co., Inc.	14.61%
	101 Montgomery Street	
	San Francisco, CA 94014	
	Pershing LLC	6.67%
	One Pershing Plaza	
	Jersey City, NJ 07399	

Fund	Name	Percentage of Ownership
iShares Russell 1000 Growth ETF	Edward D. Jones & Co. 12555 Manchester Road Saint Louis, MO 63131	5.91%
	The Bank of New York Mellon 111 Sanders Creek Parkway 2 <sup>nd</sup> Floor East Syracuse, NY 13057	5.73%
	Merrill Lynch, Pierce, Fenner & Smith Incorporated - TS Sub 101 Hudson Street 9th Floor Jersey City, NJ 07302-3997	15.17%
	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	14.83%
	Morgan Stanley Smith Barney LLC One New York Plaza New York, NY 10004	9.89%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	7.64%
	Pershing LLC One Pershing Plaza Jersey City, NJ 07399	5.25%
	Merrill Lynch, Pierce, Fenner & Smith Incorporated 101 Hudson Street 9 <sup>th</sup> Floor Jersey City, NJ 07302-3997	40.97%
	LPL Financial Corporation 9785 Towne Centre Drive San Diego, CA 92121-1968	11.20%
	Morgan Stanley Smith Barney LLC One New York Plaza New York, NY 10004	8.35%
iShares Russell 1000 Pure U.S. Revenue ETF	Merrill Lynch, Pierce, Fenner & Smith Incorporated - TS Sub 101 Hudson Street 9th Floor Jersey City, NJ 07302-3997	8.20%
	TD Ameritrade Clearing, Inc. 4700 Alliance Gateway Freeway Fort Worth, TX 76177	5.82%
	Merrill Lynch, Pierce, Fenner & Smith Incorporated - TS Sub 101 Hudson Street 9th Floor Jersey City, NJ 07302-3997	16.04%



Fund	Name	Percentage of Ownership
iShares Russell 2000 ETF	Morgan Stanley Smith Barney LLC One New York Plaza New York, NY 10004	12.14%
	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	11.40%
	TD Ameritrade Clearing, Inc. 4700 Alliance Gateway Freeway Fort Worth, TX 76177	7.06%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	5.36%
	Edward D. Jones & Co. 12555 Manchester Road Saint Louis, MO 63131	5.20%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	11.66%
	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	10.78%
	Bank of America, National Association GWIM TRUST OPERATIONS 411 N. Akard Street 5 <sup>th</sup> Floor Dallas, TX 75201	6.76%
	Wells Fargo Clearing Services LLC 2801 Market Street St Louis, MO 63103	6.55%
	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	11.19%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	10.63%
	Morgan Stanley Smith Barney LLC One New York Plaza New York, NY 10004	9.98%
	Pershing LLC One Pershing Plaza Jersey City, NJ 07399	6.49%
	TD Ameritrade Clearing, Inc. 4700 Alliance Gateway Freeway Fort Worth, TX 76177	5.78%
iShares Russell 2000 Growth ETF		
iShares Russell 2000 Value ETF	Morgan Stanley Smith Barney LLC One New York Plaza New York, NY 10004	12.89%

Fund	Name	Percentage of Ownership
	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	12.39%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	10.31%
	Edward D. Jones & Co. 12555 Manchester Road Saint Louis, MO 63131	7.52%
	Pershing LLC One Pershing Plaza Jersey City, NJ 07399	5.65%
iShares Russell 3000 ETF	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	18.14%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	14.98%
	Northern Trust Company (The) 801 South Canal Street Chicago, IL 60607	6.09%
	Pershing LLC One Pershing Plaza Jersey City, NJ 07399	5.71%
	Merrill Lynch, Pierce, Fenner & Smith Incorporated - TS Sub 101 Hudson Street 9th Floor Jersey City, NJ 07302-3997	5.20%
iShares Russell Mid-Cap ETF	Bank of America, National Association GWIM TRUST OPERATIONS 411 N. Akard Street 5 <sup>th</sup> Floor Dallas, TX 75201	13.26%
	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	8.01%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	6.99%
	Wells Fargo Clearing Services LLC 2801 Market Street St Louis, MO 63103	6.77%
	Wells Fargo Bank, National Association 733 Marquette Ave 4 <sup>th</sup> Floor Minneapolis, MN 55402	6.03%

Fund	Name	Percentage of Ownership
iShares Russell Mid-Cap Growth ETF	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	11.66%
	Pershing LLC One Pershing Plaza Jersey City, NJ 07399	11.18%
	Morgan Stanley Smith Barney LLC One New York Plaza New York, NY 10004	9.91%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	8.69%
	Wells Fargo Clearing Services LLC 2801 Market Street St Louis, MO 63103	6.27%
iShares Russell Mid-Cap Value ETF	Pershing LLC One Pershing Plaza Jersey City, NJ 07399	16.11%
	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	10.63%
	Morgan Stanley Smith Barney LLC One New York Plaza New York, NY 10004	10.34%
	Edward D. Jones & Co. 12555 Manchester Road Saint Louis, MO 63131	8.33%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	6.73%
iShares Russell Top 200 ETF	BMO Harris Bank N.A. 111 West Monroe Street, Floor 6E Chicago, IL 60690	21.84%
	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	16.58%
	JPMorgan Chase Bank, National Association 500 Stanton Christiana Road Newark, DE 19713	8.88%
	The Bank of New York Mellon 111 Sanders Creek Parkway 2 <sup>nd</sup> Floor East Syracuse, NY 13057	8.18%
	Merrill Lynch, Pierce, Fenner & Smith Incorporated - TS Sub 101 Hudson Street 9th Floor Jersey City, NJ 07302-3997	8.16%

Fund	Name	Percentage of Ownership
iShares Russell Top 200 Growth ETF	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	6.11%
	Reliance Trust Company, FIS TrustDesk MKE 11277 West Park Place, Suite 300 Milwaukee, WI 53224	5.76%
	TD Ameritrade Clearing, Inc. 4700 Alliance Gateway Freeway Fort Worth, TX 76177	5.08%
	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	21.00%
	TD Ameritrade Clearing, Inc. 4700 Alliance Gateway Freeway Fort Worth, TX 76177	11.39%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	10.02%
	Morgan Stanley Smith Barney LLC One New York Plaza New York, NY 10004	5.96%
	SEI Private Trust Company/C/O GWP 1 Freedom Valley Drive Oaks, PA 19456	5.76%
	Ameriprise Enterprise Investment Services, Inc. 901 3 <sup>rd</sup> Avenue South Minneapolis, MN 55474	5.68%
	Reliance Trust Company, FIS TrustDesk MKE 11277 West Park Place, Suite 300 Milwaukee, WI 53224	5.45%
iShares Russell Top 200 Value ETF	Merrill Lynch, Pierce, Fenner & Smith Incorporated - TS Sub 101 Hudson Street 9th Floor Jersey City, NJ 07302-3997	5.14%
	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	19.80%
	SEI Private Trust Company/C/O GWP 1 Freedom Valley Drive Oaks, PA 19456	18.06%
	TD Ameritrade Clearing, Inc. 4700 Alliance Gateway Freeway Fort Worth, TX 76177	15.92%
	Reliance Trust Company, FIS TrustDesk MKE 11277 West Park Place, Suite 300 Milwaukee, WI 53224	12.43%

Fund	Name	Percentage of Ownership
iShares S&P 100 ETF	UBS Financial Services Inc. 1000 Harbor Blvd. Weehawken, NJ 07086	9.67%
	Merrill Lynch, Pierce, Fenner & Smith Incorporated - TS Sub 101 Hudson Street 9th Floor Jersey City, NJ 07302-3997	5.14%
	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	13.16%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	11.44%
	Merrill Lynch, Pierce, Fenner & Smith Incorporated - TS Sub 101 Hudson Street 9th Floor Jersey City, NJ 07302-3997	10.49%
	Edward D. Jones & Co. 12555 Manchester Road Saint Louis, MO 63131	10.38%
	Bank of America, National Association GWIM TRUST OPERATIONS 411 N. Akard Street 5 <sup>th</sup> Floor Dallas, TX 75201	8.03%
	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	18.72%
	JPMorgan Chase Bank, National Association 500 Stanton Christiana Road Newark, DE 19713	10.85%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	9.12%
iShares S&P 500 Growth ETF	Morgan Stanley Smith Barney LLC One New York Plaza New York, NY 10004	8.81%
	TD Ameritrade Clearing, Inc. 4700 Alliance Gateway Freeway Fort Worth, TX 76177	5.41%
	Merrill Lynch, Pierce, Fenner & Smith Incorporated - TS Sub 101 Hudson Street 9th Floor Jersey City, NJ 07302-3997	5.34%

Fund	Name	Percentage of Ownership
iShares S&P 500 Value ETF	Edward D. Jones & Co. 12555 Manchester Road Saint Louis, MO 63131	5.07%
	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	18.56%
	JPMorgan Chase Bank, National Association 500 Stanton Christiana Road Newark, DE 19713	16.29%
	Morgan Stanley Smith Barney LLC One New York Plaza New York, NY 10004	10.12%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	7.71%
	Merrill Lynch, Pierce, Fenner & Smith Incorporated - TS Sub 101 Hudson Street 9th Floor Jersey City, NJ 07302-3997	5.88%
	TD Ameritrade Clearing, Inc. 4700 Alliance Gateway Freeway Fort Worth, TX 76177	5.03%
	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	14.68%
	Morgan Stanley Smith Barney LLC One New York Plaza New York, NY 10004	9.78%
	Wells Fargo Bank, National Association 733 Marquette Ave 4 <sup>th</sup> Floor Minneapolis, MN 55402	8.80%
iShares S&P Mid-Cap 400 Growth ETF	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	8.70%
	TD Ameritrade Clearing, Inc. 4700 Alliance Gateway Freeway Fort Worth, TX 76177	6.04%
	Wells Fargo Clearing Services LLC 2801 Market Street St Louis, MO 63103	5.88%
	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	18.52%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	9.20%



Fund	Name	Percentage of Ownership
	Morgan Stanley Smith Barney LLC One New York Plaza New York, NY 10004	8.69%
	Wells Fargo Bank, National Association 733 Marquette Ave 4 <sup>th</sup> Floor Minneapolis, MN 55402	7.23%
	TD Ameritrade Clearing, Inc. 4700 Alliance Gateway Freeway Fort Worth, TX 76177	6.43%
	Wells Fargo Clearing Services LLC 2801 Market Street St Louis, MO 63103	5.47%
	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	21.95%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	10.76%
iShares S&P Small-Cap 600 Growth ETF	Morgan Stanley Smith Barney LLC One New York Plaza New York, NY 10004	9.28%
	Pershing LLC One Pershing Plaza Jersey City, NJ 07399	5.44%
	TD Ameritrade Clearing, Inc. 4700 Alliance Gateway Freeway Fort Worth, TX 76177	5.14%
	Edward D. Jones & Co. 12555 Manchester Road Saint Louis, MO 63131	21.25%
iShares S&P Small-Cap 600 Value ETF	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	19.01%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	13.86%
	Morgan Stanley Smith Barney LLC One New York Plaza New York, NY 10004	6.46%
	TD Ameritrade Clearing, Inc. 4700 Alliance Gateway Freeway Fort Worth, TX 76177	5.31%
	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	13.86%
iShares U.S. Aerospace & Defense ETF	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	13.86%

Fund	Name	Percentage of Ownership
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	9.83%
	Merrill Lynch, Pierce, Fenner & Smith Incorporated - TS Sub 101 Hudson Street 9th Floor Jersey City, NJ 07302-3997	7.43%
	Morgan Stanley Smith Barney LLC One New York Plaza New York, NY 10004	6.67%
	American Enterprise Investment Services Inc. 719 Griswold St. Detroit, MI 48226	6.64%
	TD Ameritrade Clearing, Inc. 4700 Alliance Gateway Freeway Fort Worth, TX 76177	5.83%
	Pershing LLC One Pershing Plaza Jersey City, NJ 07399	5.44%
	Citibank, N.A. 3800 CitiBank Center Tampa Building B/1st Floor Zone 8 Tampa, FL 33610-9122	5.43%
iShares U.S. Broker-Dealers & Securities Exchanges ETF	Morgan Stanley Smith Barney LLC One New York Plaza New York, NY 10004	18.41%
	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	11.35%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	10.17%
	Wells Fargo Clearing Services LLC 2801 Market Street St Louis, MO 63103	8.35%
	TD Ameritrade Clearing, Inc. 4700 Alliance Gateway Freeway Fort Worth, TX 76177	7.48%
iShares U.S. Healthcare Providers ETF	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	16.18%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	14.64%
	The Bank of New York Mellon 111 Sanders Creek Parkway 2 <sup>nd</sup> Floor East Syracuse, NY 13057	10.13%

Fund	Name	Percentage of Ownership
iShares U.S. Home Construction ETF	Citibank, N.A. 3800 CitiBank Center Tampa Building B/1st Floor Zone 8 Tampa, FL 33610-9122	7.25%
	Morgan Stanley Smith Barney LLC One New York Plaza New York, NY 10004	6.87%
	Wells Fargo Clearing Services LLC 2801 Market Street St Louis, MO 63103	5.19%
	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	11.96%
	The Bank of New York Mellon 111 Sanders Creek Parkway 2 <sup>nd</sup> Floor East Syracuse, NY 13057	9.87%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	9.74%
	JPMorgan Chase Bank, National Association 500 Stanton Christiana Road Newark, DE 19713	7.92%
	TD Ameritrade Clearing, Inc. 4700 Alliance Gateway Freeway Fort Worth, TX 76177	6.74%
	Citibank, N.A. 3800 CitiBank Center Tampa Building B/1st Floor Zone 8 Tampa, FL 33610-9122	5.83%
iShares U.S. Infrastructure ETF	Morgan Stanley Smith Barney LLC One New York Plaza New York, NY 10004	5.63%
	Merrill Lynch, Pierce, Fenner & Smith Incorporated - TS Sub 101 Hudson Street 9th Floor Jersey City, NJ 07302-3997	5.13%
	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	18.14%
	Interactive Brokers Retail Equity Clearing 8 Greenwich Office Park Greenwich, CT 06831	16.85%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	13.53%

Fund	Name	Percentage of Ownership
iShares U.S. Insurance ETF	Pershing LLC One Pershing Plaza Jersey City, NJ 07399	7.71%
	Merrill Lynch, Pierce, Fenner & Smith Incorporated - TS Sub 101 Hudson Street 9th Floor Jersey City, NJ 07302-3997	7.54%
	TD Ameritrade Clearing, Inc. 4700 Alliance Gateway Freeway Fort Worth, TX 76177	6.71%
	TD Ameritrade Clearing, Inc. 4700 Alliance Gateway Freeway Fort Worth, TX 76177	16.69%
	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	15.66%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	10.04%
	Merrill Lynch, Pierce, Fenner & Smith Incorporated - TS Sub 101 Hudson Street 9th Floor Jersey City, NJ 07302-3997	7.41%
	Morgan Stanley Smith Barney LLC One New York Plaza New York, NY 10004	7.19%
	Merrill Lynch, Pierce, Fenner & Smith Incorporated 101 Hudson Street 9 <sup>th</sup> Floor Jersey City, NJ 07302-3997	5.35%
iShares U.S. Medical Devices ETF	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	17.95%
	Citibank, N.A. 3800 CitiBank Center Tampa Building B/1st Floor Zone 8 Tampa, FL 33610-9122	10.37%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	9.17%
	TD Ameritrade Clearing, Inc. 4700 Alliance Gateway Freeway Fort Worth, TX 76177	6.91%
	Pershing LLC One Pershing Plaza Jersey City, NJ 07399	5.38%

Fund	Name	Percentage of Ownership
iShares U.S. Oil & Gas Exploration & Production ETF	National Financial Services LLC	15.57%
	499 Washington Blvd	
	Jersey City, NJ 07310	
	Morgan Stanley Smith Barney LLC	10.35%
	One New York Plaza	
	New York, NY 10004	
	Charles Schwab & Co., Inc.	8.72%
	101 Montgomery Street	
	San Francisco, CA 94014	
	Wells Fargo Clearing Services LLC	7.12%
iShares U.S. Oil Equipment & Services ETF	2801 Market Street	
	St Louis, MO 63103	
	Merrill Lynch, Pierce, Fenner & Smith Incorporated - TS Sub	6.22%
	101 Hudson Street	
	9th Floor	
	Jersey City, NJ 07302-3997	
	TD Ameritrade Clearing, Inc.	5.64%
	4700 Alliance Gateway Freeway	
	Fort Worth, TX 76177	
	Morgan Stanley Smith Barney LLC	20.66%
iShares U.S. Pharmaceuticals ETF	One New York Plaza	
	New York, NY 10004	
	National Financial Services LLC	12.05%
	499 Washington Blvd	
	Jersey City, NJ 07310	
	Charles Schwab & Co., Inc.	11.03%
	101 Montgomery Street	
	San Francisco, CA 94014	
	Wells Fargo Clearing Services LLC	8.92%
	2801 Market Street	
iShares U.S. Oil Equipment & Services ETF	St Louis, MO 63103	
	Merrill Lynch, Pierce, Fenner & Smith Incorporated - TS Sub	7.77%
	101 Hudson Street	
	9th Floor	
	Jersey City, NJ 07302-3997	
	Citibank, N.A.	5.15%
	3800 CitiBank Center Tampa	
	Building B/1st Floor Zone 8	
	Tampa, FL 33610-9122	
	National Financial Services LLC	13.01%
iShares U.S. Pharmaceuticals ETF	499 Washington Blvd	
	Jersey City, NJ 07310	
	Citibank, N.A.	12.76%
	3800 CitiBank Center Tampa	
	Building B/1st Floor Zone 8	
	Tampa, FL 33610-9122	

Fund	Name	Percentage of Ownership
iShares U.S. Real Estate ETF	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	10.85%
	TD Ameritrade Clearing, Inc. 4700 Alliance Gateway Freeway Fort Worth, TX 76177	8.32%
	Morgan Stanley Smith Barney LLC One New York Plaza New York, NY 10004	5.95%
	Merrill Lynch, Pierce, Fenner & Smith Incorporated - TS Sub 101 Hudson Street 9th Floor Jersey City, NJ 07302-3997	5.03%
	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	13.09%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	7.65%
	JPMorgan Chase Bank, National Association 500 Stanton Christiana Road Newark, DE 19713	5.84%
	Morgan Stanley & Co. Incorporated One Pierrepont Plaza 8 <sup>th</sup> Floor Brooklyn, NY 11201	5.82%
	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	13.99%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	12.73%
iShares U.S. Regional Banks ETF	Merrill Lynch, Pierce, Fenner & Smith Incorporated - TS Sub 101 Hudson Street 9th Floor Jersey City, NJ 07302-3997	10.56%
	Morgan Stanley Smith Barney LLC One New York Plaza New York, NY 10004	6.09%
	Pershing LLC One Pershing Plaza Jersey City, NJ 07399	5.23%
	Morgan Stanley & Co. Incorporated One Pierrepont Plaza 8 <sup>th</sup> Floor Brooklyn, NY 11201	19.22%



Fund	Name	Percentage of Ownership
	Morgan Stanley Smith Barney LLC One New York Plaza New York, NY 10004	12.75%
	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	10.23%
	Charles Schwab & Co., Inc. 101 Montgomery Street San Francisco, CA 94014	8.43%
	Merrill Lynch, Pierce, Fenner & Smith Incorporated - TS Sub 101 Hudson Street 9th Floor Jersey City, NJ 07302-3997	8.20%
	TD Ameritrade Clearing, Inc. 4700 Alliance Gateway Freeway Fort Worth, TX 76177	7.41%

**Potential Conflicts of Interest.** Certain activities of BFA, BlackRock, Inc. and the other subsidiaries of BlackRock, Inc. (collectively referred to in this section as “BlackRock”) and their respective directors, officers and employees, with respect to the Funds and/or other accounts managed by BlackRock, 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. BlackRock, its subsidiaries and their respective directors, officers and employees, including, the business units or 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 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, 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 has 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 Funds. BlackRock is also a major participant 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, BlackRock is 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 Funds.

When BlackRock seeks to purchase or sell the same assets for managed accounts, including a Fund, the assets actually purchased or sold may be allocated among the accounts on a basis determined in its 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 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 with respect to BlackRock-advised accounts 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 implements 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 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. 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) BlackRock or its 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) BlackRock or its other accounts or funds. In addition, to the extent permitted by applicable law, certain Funds may invest their assets in other funds advised by BlackRock, including funds that are managed by one or more of the same portfolio managers, which could result in conflicts of interest relating to asset allocation, timing of Fund purchases and redemptions, and increased remuneration and profitability for BlackRock, and/or its personnel, including portfolio managers.

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. BlackRock may (but is not required to) effect purchases and sales between BlackRock clients (“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. On any occasion when a Fund participates in a cross trade, BlackRock will comply with procedures adopted under applicable rules and SEC guidance.

BlackRock and its 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 a Fund’s investments may be negatively impacted by the activities of BlackRock or its 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 for its proprietary accounts or other accounts (including investment companies or collective investment vehicles) which it manages or advises. It is possible that one or more accounts managed or advised by BlackRock 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 proprietary or other accounts managed or advised by BlackRock achieve significant profits. 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 other accounts managed or advised by BlackRock, and/or the internal policies of BlackRock designed to comply with such requirements. As a result, there may be periods, for example, when BlackRock will not initiate or recommend certain types of transactions in certain securities or instruments with respect to which BlackRock is performing services or when position limits have been reached. For example, the investment activities of BlackRock for its proprietary accounts and accounts under its 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 BlackRock. 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, BlackRock will not have any obligation to make available any information regarding its 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, or the activities or strategies used for accounts managed by BlackRock 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 price, availability and liquidity of a Fund may be impacted by purchases and redemptions of the Fund by model-driven investment portfolios.

In addition, certain principals and certain employees of a Fund's investment adviser are also principals or employees of other business units or entities within BlackRock. As a result, these principals and employees may have obligations to such other business units or entities or their clients and such obligations to other business units or entities or their 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, to the extent permitted by the SEC and applicable law, BlackRock 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.

BlackRock may also create, write or issue derivatives for clients, the underlying securities, currencies or instruments in which a Fund may invest 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 funds, related to derivative fixed-income products that are based on such iShares funds. BlackRock will receive certain payments for licensing intellectual property belonging to BlackRock and for facilitating the 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. Other funds and 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 funds 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 BlackRock and may also enter into transactions with other clients of BlackRock where such other clients have interests adverse to those of the Fund.

At times, these activities may cause business units or entities within BlackRock to give advice to clients that may cause these clients to take actions adverse to the interests of a Fund. To the extent such transactions are permitted, a Fund will deal with BlackRock on an arm's-length basis.

To the extent authorized by applicable law, BlackRock 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 BlackRock will be in its view commercially reasonable, although BlackRock, including its sales personnel, will have an interest in obtaining fees and other amounts that are favorable to BlackRock and such sales personnel, which may have an adverse effect on the Funds. Index based funds may use an index provider that is affiliated with another service provider of a Fund or BlackRock that acts as a broker, dealer, agent, lender or in other commercial capacities for a Fund or BlackRock.

Subject to applicable law, BlackRock (and its 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 BlackRock of any such fees or other amounts.

When BlackRock acts as broker, dealer, agent, adviser or in other commercial capacities in relation to the Funds, BlackRock 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. BlackRock will not have any obligation to allow its 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 in evaluating the Fund's creditworthiness.

BTC, an affiliate of BFA pursuant to SEC exemptive relief, acts as securities lending agent to, and receives a share of securities lending revenues from, the Funds. BlackRock will also 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 securities 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 securities 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 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 and other assets 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 that 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. In addition, under certain circumstances, the Funds will not be charged the same commission or commission equivalent rates in connection with a bunched or aggregated order.

Subject to applicable law, BlackRock may select brokers that furnish BlackRock, the Funds, other BlackRock client accounts 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 does not currently enter into arrangements to use the Funds' assets for, or participate in, soft dollars, although BlackRock may receive research that is bundled with the trade execution, clearing, and/or settlement services provided by a particular broker-dealer. To the extent that BlackRock receives research on this basis, many of the same conflicts related to traditional soft dollars may exist. For example, the research effectively will be paid by client commissions that also will be used to pay for the execution, clearing, and settlement services provided by the broker-dealer and will not be paid by BlackRock. 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, 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 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, 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 the *Proxy Voting Policy* section of this SAI.

It is also possible that, from time to time, BlackRock may, subject to compliance with applicable law, purchase and hold shares of a Fund. Increasing a Fund's assets may enhance liquidity, investment flexibility and diversification and may contribute to economies of scale that tend to reduce the Fund's expense ratio. BlackRock reserves the right, subject to compliance with applicable law, to sell into the market or redeem in Creation Units through an Authorized Participant at any time some or all of the shares of a Fund acquired for its own accounts. A large sale or redemption of shares of a Fund by BlackRock could significantly reduce the asset size of the Fund, which might have an adverse effect on the Fund's liquidity, investment flexibility, portfolio diversification, expense ratio or ability to comply with the listing requirements for the Fund. BlackRock seeks to consider the effect of redemptions on a Fund and other shareholders in deciding whether to redeem its shares but is not obligated to do so and may elect not to do so.

It is possible that a Fund may invest in securities of, or engage in transactions with, companies in which BlackRock has significant debt or equity investments or other interests. A Fund may also invest in issuances (such as structured notes) by entities for which BlackRock provides and is compensated for cash management services relating to the proceeds from the sale of such issuances. In making investment decisions for a Fund, BlackRock is not permitted to obtain or use material non-public information acquired by any unit of BlackRock in the course of these activities. In addition, from time to time, the activities of BlackRock may limit a Fund's flexibility in purchases and sales of securities. As indicated below, BlackRock may engage in transactions with companies in which BlackRock-advised funds or other clients of BlackRock 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 ½ 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, its personnel and other financial service providers may have interests in promoting sales of the Funds. With respect to BlackRock and its 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 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 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.

Third parties, including service providers to BlackRock or a Fund, may sponsor events (including, but not limited to, marketing and promotional activities and presentations, educational training programs and conferences) for registered representatives, other professionals and individual investors. There is a potential conflict of interest as such sponsorships may defray the costs of such activities to BlackRock, and may provide an incentive to BlackRock to retain such third parties to provide services to a Fund.

BlackRock may provide valuation assistance to certain clients with respect to certain securities or other investments and the valuation recommendations made for such 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 the *Determination of Net Asset Value* section of each Fund's Prospectus and 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 Board. When determining "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 NAV. As a result, a Fund's sale or redemption of its shares at NAV, 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 1940 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 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 and employees 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, each Fund, BFA and BlackRock have each adopted a code of ethics in compliance with Section 17(j) of the 1940 Act that restricts securities trading in the personal accounts of investment professionals and others who normally come into possession of information regarding a Fund's portfolio transactions. Each code of ethics is available by contacting BlackRock at the telephone number on the back cover of each Fund's Prospectus or by accessing the EDGAR



Database on the SEC'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](mailto:publicinfo@sec.gov).

BlackRock will not purchase securities or other property from, or sell securities or other property to, a Fund, except that a Fund may in accordance with rules or guidance adopted under the 1940 Act engage in transactions with another Fund or accounts that are affiliated with a 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 SEC. These transactions would be effected in circumstances in which BlackRock determined that it would be appropriate for a Fund to purchase and another client of BlackRock to sell, or a 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 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 its advice in certain securities or instruments issued by or related to companies for which BlackRock is performing advisory or other services or has proprietary positions. For example, 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 serve as directors of companies the securities of which a Fund wishes 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 advisory or risk management assignment by BlackRock, or where personnel of BlackRock are directors or officers of the issuer.

The investment activities of BlackRock for its 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 or in certain emerging or international markets, or are subject to corporate or regulatory ownership restrictions, or invest in certain futures or other derivative transactions, there may be limits on the aggregate amount invested by 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 either through the actions of BlackRock or a Fund or as a result of third-party transactions, 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. BlackRock has adopted certain controls designed to prevent the occurrence of a breach of any applicable ownership threshold or limits, including, for example, when ownership in certain securities nears an applicable threshold, BlackRock may remove such securities from the list of Deposit Securities to be delivered to the Fund in connection with purchases of Creation Units of such Fund and may limit purchases in such securities to the issuer's weighting in the applicable benchmark used by BlackRock to manage such 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.

BlackRock may not serve as an Authorized Participant in the creation and redemption of iShares ETFs.

BlackRock may maintain securities indices. To the extent permitted by applicable laws, the Funds may seek to license and use such indices as part of their investment strategy. Index based funds that seek to track the performance of securities indices also may use the name of the index or index provider in the fund name. Index providers, including BlackRock (to the extent permitted by applicable law), may be paid licensing fees for use of their index or index name. BlackRock may benefit from the Funds using BlackRock indices by creating increasing acceptance in the marketplace for such indices. BlackRock is not obligated to license its indices to a Fund and the Funds are under no obligation to use BlackRock indices. Any Fund that enters into a license for a BlackRock index cannot be assured that the terms of any index licensing agreement with BlackRock will be as favorable as those terms offered to other licensees.

The custody arrangement described in “Investment Advisory, Administrative and Distribution Services” 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 (or where BlackRock charges a unitary management fee). 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. This could be viewed as having the potential to provide BlackRock an incentive to keep high positive cash balances for Funds in order to offset fund custody fees that BlackRock might otherwise reimburse or pay. 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. For funds without a unitary management fee, 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.

BlackRock may enter into contractual arrangements with third-party service providers to a Fund (e.g., custodians, administrators and index providers) 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 owns or has 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 for the use of the systems. A Fund service provider’s payments to BlackRock for the use of these systems may enhance the profitability of BlackRock.

BlackRock has entered into an arrangement with Intercontinental Exchange, Inc. (“ICE”) to be one of ICE’s development partners in connection with ICE’s open-architecture, centralized industry platform to facilitate creation and redemption orders for ETFs (the “ICE Platform”). As a development partner, BlackRock has licensed certain of its intellectual property to ICE. BlackRock uses the ICE Platform to facilitate creations and redemptions in the Funds and certain other services provided by the ICE Platform. BlackRock may have an incentive to promote the broad adoption of the ICE Platform by the ETF marketplace because BlackRock will earn a fee, based on the total revenues earned by the ICE Platform, for licensing BlackRock’s intellectual property to ICE and for BlackRock’s role as development partner. ICE Data Indices, LLC, the underlying index provider for certain BFA managed funds, is a wholly owned subsidiary of ICE.

BlackRock’s receipt of fees from a service provider in connection with the use of systems provided by BlackRock may create an incentive for BlackRock to recommend that a Fund enter into or renew an arrangement with the service provider.

In recognition of a BlackRock client’s overall relationship with BlackRock, BlackRock may offer special pricing arrangements for certain services provided by BlackRock. Any such special pricing arrangements will not apply to the client’s investment in a Fund.

Present and future activities of BlackRock (including BFA) its directors, officers and employees, in addition to those described in this section, may give rise to additional conflicts of interest.

# Investment Advisory, Administrative and Distribution Services

**Investment Adviser.** BFA serves as investment adviser to each Fund pursuant to an investment advisory agreement between the Trust, on behalf of each Fund, and BFA. BFA is a California corporation indirectly owned by BlackRock, Inc. and is registered as an investment adviser under the Investment Advisers Act of 1940, as amended. Under the investment advisory agreement, BFA, subject to the supervision of the Board and in conformity with the stated investment policies of each Fund, manages and administers the Trust and the investment of each Fund's assets. BFA is responsible for placing purchase and sale orders and providing continuous supervision of the investment portfolio of each Fund.

Pursuant to the investment advisory agreement, BFA may, from time to time, in its sole discretion and to the extent permitted by applicable law, appoint one or more sub-advisers, including, without limitation, affiliates of BFA, to perform investment advisory or other services with respect to a Fund. In addition, BFA may delegate certain of its investment advisory functions under the investment advisory agreement to one or more of its affiliates to the extent permitted by applicable law. BFA may terminate any or all sub-advisers or such delegation arrangements in its sole discretion upon appropriate notice at any time to the extent permitted by applicable law.

BFA is responsible, under the investment advisory agreement, for substantially all expenses of the Funds, including the cost of transfer agency, custody, fund administration, legal, audit and other services. BFA is not responsible for, and the Funds will bear, the management fees, interest expenses, taxes, expenses incurred with respect to the acquisition and disposition of portfolio securities and the execution of portfolio transactions, including brokerage commissions, distribution fees or expenses, litigation expenses and any extraordinary expenses (as determined by a majority of the Independent Trustees).

The following describes the calculation of the management fee for each Fund whose management fee is subject to breakpoints. The management fee for all Funds is set forth in the table that follows the description of breakpoints.

For its investment advisory services to the iShares U.S. Aerospace & Defense ETF, iShares U.S. Broker-Dealers & Securities Exchanges ETF, iShares U.S. Healthcare Providers ETF, iShares U.S. Home Construction ETF, iShares U.S. Insurance ETF, iShares U.S. Medical Devices ETF, iShares U.S. Oil & Gas Exploration & Production ETF, iShares U.S. Oil Equipment & Services ETF, iShares U.S. Pharmaceuticals ETF, iShares U.S. Real Estate ETF, iShares U.S. Regional Banks ETF and iShares U.S. Telecommunications ETF, BFA is paid a management fee from each Fund corresponding to the Fund's allocable portion of the aggregate management fee calculated based on the aggregate average daily net assets of the following iShares funds: iShares Transportation Average ETF, iShares U.S. Aerospace & Defense ETF, iShares U.S. Basic Materials ETF, iShares U.S. Broker-Dealers & Securities Exchanges ETF, iShares U.S. Consumer Goods ETF, iShares U.S. Consumer Services ETF, iShares U.S. Energy ETF, iShares U.S. Financial Services ETF, iShares U.S. Financials ETF, iShares U.S. Healthcare ETF, iShares U.S. Healthcare Providers ETF, iShares U.S. Home Construction ETF, iShares U.S. Industrials ETF, iShares U.S. Insurance ETF, iShares U.S. Medical Devices ETF, iShares U.S. Oil & Gas Exploration & Production ETF, iShares U.S. Oil Equipment & Services ETF, iShares U.S. Pharmaceuticals ETF, iShares U.S. Real Estate ETF, iShares U.S. Regional Banks ETF, iShares U.S. Technology ETF, iShares U.S. Telecommunications ETF and iShares U.S. Utilities ETF. The aggregate management fee is calculated as follows: 0.48% per annum of the aggregate net assets less than or equal to \$10.0 billion, plus 0.43% per annum of the aggregate net assets over \$10.0 billion, up to and including \$20.0 billion, plus 0.38% per annum of the aggregate net assets over \$20.0 billion, up to and including \$30.0 billion, plus 0.34% per annum of the aggregate net assets over \$30.0 billion, up to and including \$40.0 billion, plus 0.33% per annum of the aggregate net assets over \$40.0 billion, up to and including \$50.0 billion, plus 0.31% per annum of the aggregate net assets in excess of \$50.0 billion.

For its investment advisory services to the iShares Europe ETF, BFA is paid a management fee from the Fund calculated based on the aggregate average daily net assets of the following iShares funds: iShares Europe ETF, iShares International Select Dividend ETF and iShares MSCI EAFE Small-Cap ETF. The management fee for the Fund equals the ratio of the Fund's net assets over the aggregate net assets of the above iShares funds multiplied by the amount calculated as follows: 0.6000% per annum of the aggregate net assets less than or equal to \$12.0 billion, plus 0.5700% per annum of the aggregate net assets over \$12.0 billion, up to and including \$18.0 billion, plus 0.5415% per annum of the aggregate net assets over \$18.0 billion, up to an including \$24.0 billion, plus 0.5145% per annum of the aggregate net assets over \$24.0 billion, up to and including \$30.0 billion, plus 0.4888% per annum of the aggregate net assets in excess of \$30.0 billion.

As of March 31, 2020, for its investment advisory services to the iShares Expanded Tech Sector ETF, iShares Expanded Tech-Software Sector ETF, iShares Global Consumer Staples ETF, iShares Global Energy ETF, iShares Global Financials ETF, iShares Global Healthcare ETF, iShares Global Industrials ETF, iShares Global Infrastructure ETF, iShares Global Materials ETF, iShares Global Tech ETF, iShares Global Timber & Forestry ETF, iShares Global Utilities ETF, iShares North American Natural Resources ETF, iShares North American Tech-Multimedia Networking ETF and iShares PHLX Semiconductor ETF, BFA was paid a management fee from each Fund corresponding to the Fund's allocable portion of an aggregate management fee calculated based on the aggregate average daily net assets of the following iShares funds: iShares Expanded Tech Sector ETF, iShares Expanded Tech-Software Sector ETF, iShares Global Clean Energy ETF, iShares Global Comm Services ETF, iShares Global Consumer Discretionary ETF, iShares Global Consumer Staples ETF, iShares Global Energy ETF, iShares Global Financials ETF, iShares Global Healthcare ETF, iShares Global Industrials ETF, iShares Global Infrastructure ETF, iShares Global Materials ETF, iShares Global Tech ETF, iShares Global Timber & Forestry ETF, iShares Global Utilities ETF, iShares North American Natural Resources ETF, iShares North American Tech-Multimedia Networking ETF and iShares PHLX Semiconductor ETF. The aggregate management fee is calculated as follows: 0.48% per annum of the aggregate net assets less than or equal to \$10.0 billion, plus 0.43% per annum of the aggregate net assets over \$10.0 billion, up to and including \$20.0 billion, plus 0.38% per annum of the aggregate net assets in excess of \$20.0 billion.

Effective July 1, 2020, for its investment advisory services to the iShares Expanded Tech Sector ETF, iShares Expanded Tech-Software Sector ETF, iShares Global Consumer Staples ETF, iShares Global Energy ETF, iShares Global Financials ETF, iShares Global Healthcare ETF, iShares Global Industrials ETF, iShares Global Infrastructure ETF, iShares Global Materials ETF, iShares Global Tech ETF, iShares Global Timber & Forestry ETF, iShares Global Utilities ETF, iShares North American Natural Resources ETF, iShares North American Tech-Multimedia Networking ETF and iShares PHLX Semiconductor ETF, BFA is paid a management fee from each Fund corresponding to the Fund's allocable portion of an aggregate management fee calculated based on the aggregate average daily net assets of the following iShares funds: iShares Expanded Tech Sector ETF, iShares Expanded Tech-Software Sector ETF, iShares Global Clean Energy ETF, iShares Global Comm Services ETF, iShares Global Consumer Discretionary ETF, iShares Global Consumer Staples ETF, iShares Global Energy ETF, iShares Global Financials ETF, iShares Global Healthcare ETF, iShares Global Industrials ETF, iShares Global Infrastructure ETF, iShares Global Materials ETF, iShares Global Tech ETF, iShares Global Timber & Forestry ETF, iShares Global Utilities ETF, iShares North American Natural Resources ETF, iShares North American Tech-Multimedia Networking ETF and iShares PHLX Semiconductor ETF. The aggregate management fee is calculated as follows: 0.48% per annum of the aggregate net assets less than or equal to \$10.0 billion, plus 0.43% per annum of the aggregate net assets over \$10.0 billion, up to and including \$20.0 billion, plus 0.38% per annum of the aggregate net assets over \$20.0 billion, up to and including \$30.0 billion, plus 0.342% per annum of the aggregate net assets in excess of \$30.0 billion.

For its investment advisory services to the iShares Preferred and Income Securities ETF, iShares Russell 2000 ETF, iShares Russell 2000 Growth ETF and iShares Russell 2000 Value ETF, BFA is paid a management fee from each Fund calculated based on the aggregate average daily net assets of the following iShares funds: iShares Latin America 40 ETF, iShares MSCI Pacific ex Japan ETF, iShares Preferred and Income Securities ETF, iShares Russell 2000 ETF, iShares Russell 2000 Growth ETF, iShares Russell 2000 Value ETF and iShares Select Dividend ETF. The management fee for the iShares Preferred and Income Securities ETF equals the ratio of the Fund's net assets over the aggregate net assets of the above iShares funds multiplied by the amount calculated as follows: 0.4800% per annum of the aggregate net assets less than or equal to \$46.0 billion, plus 0.4560% per annum of the aggregate net assets over \$46.0 billion, up to and including \$81.0 billion, plus 0.4332% per annum of the aggregate net assets over \$81.0 billion, up to and including \$111.0 billion, plus 0.4116% per annum of the aggregate net assets over \$111.0 billion, up to and including \$141.0 billion, plus 0.3910% per annum of the aggregate net assets in excess of \$141.0 billion. The management fee for the iShares Russell 2000 ETF equals the ratio of the Fund's net assets over the aggregate net assets of the above iShares funds multiplied by the amount calculated as follows: 0.2000% per annum of the aggregate net assets less than or equal to \$46.0 billion, plus 0.1900% per annum of the aggregate net assets over \$46.0 billion, up to and including \$81.0 billion, plus 0.1805% per annum of the aggregate net assets over \$81.0 billion, up to and including \$111.0 billion, plus 0.1715% per annum of the aggregate net assets over \$111.0 billion, up to and including \$141.0 billion, plus 0.1630% of the per annum of the aggregate net assets in excess of \$141.0 billion. The management fee for each of the iShares Russell 2000 Growth ETF and iShares Russell 2000 Value ETF equals the ratio of the Fund's net assets over the aggregate net assets of the above iShares funds multiplied by the amount calculated as follows: 0.2500% per annum of the aggregate net assets less than or equal to \$46.0 billion, plus 0.2375% per annum of the aggregate net assets over \$46.0 billion, up to and including \$81.0 billion, plus 0.2257% per annum of the aggregate net assets over \$81.0 billion, up to and including \$111.0 billion, plus 0.2144% per annum of the aggregate net assets over \$111.0 billion, up to and including \$141.0 billion, plus 0.2037% per annum of the aggregate net assets in excess of \$141.0 billion.



For its investment advisory services to the iShares Nasdaq Biotechnology ETF, iShares Russell 1000 Growth ETF, iShares Russell 1000 Value ETF, iShares Russell Mid-Cap ETF, iShares Russell Mid-Cap Growth ETF, iShares Russell Mid-Cap Value ETF and iShares S&P Mid-Cap 400 Growth ETF, BFA is paid a management fee from each Fund calculated based on the aggregate average daily net assets of the following iShares funds: iShares 1-5 Year Investment Grade Corporate Bond ETF, iShares 5-10 Year Investment Grade Corporate Bond ETF, iShares 10+ Year Investment Grade Corporate Bond ETF, iShares Cohen & Steers REIT ETF, iShares iBoxx \$ Investment Grade Corporate Bond ETF, iShares MBS ETF, iShares Nasdaq Biotechnology ETF, iShares Russell 1000 Growth ETF, iShares Russell 1000 Value ETF, iShares Russell Mid-Cap ETF, iShares Russell Mid-Cap Growth ETF, iShares Russell Mid-Cap Value ETF, iShares S&P Mid-Cap 400 Growth ETF and the iShares TIPS Bond ETF. The management fee for the iShares Nasdaq Biotechnology ETF equals the ratio of the Fund's net assets over the aggregate net assets of the above iShares funds multiplied by the amount calculated as follows: 0.4800% per annum of the aggregate net assets less than or equal to \$121.0 billion, plus 0.4560% per annum of the aggregate net assets over \$121.0 billion, up to and including \$181.0 billion, plus 0.4332% per annum of the aggregate net assets over \$181.0 billion, up to and including \$231.0 billion, plus 0.4116% per annum of the aggregate net assets over \$231.0 billion, up to and including \$281.0 billion, plus 0.3910% of the per annum of the aggregate net assets in excess of \$281.0 billion. The management fee for each of the iShares Russell 1000 Growth ETF, iShares Russell 1000 Value ETF and iShares Russell Mid-Cap ETF equals the ratio of the Fund's net assets over the aggregate net assets of the above iShares funds multiplied by the amount calculated as follows: 0.2000% per annum of the aggregate net assets less than or equal to \$121.0 billion, plus 0.1900% per annum of the aggregate net assets over \$121.0 billion, up to and including \$181.0 billion, plus 0.1805% per annum of the aggregate net assets over \$181.0 billion, up to and including \$231.0 billion, plus 0.1715% per annum of the aggregate net assets over \$231.0 billion, up to and including \$281.0 billion, plus 0.1630% per annum of the aggregate net assets in excess of \$281.0 billion. The management fee for each of the iShares Russell Mid-Cap Growth ETF and iShares Russell Mid-Cap Value ETF equals the ratio of the Fund's net assets over the aggregate net assets of the above iShares funds multiplied by the amount calculated as follows: 0.2500% per annum of the aggregate net assets less than or equal to \$121.0 billion, plus 0.2375% per annum of the aggregate net assets over \$121.0 billion, up to and including \$181.0 billion, plus 0.2257% per annum of the aggregate net assets over \$181.0 billion, up to and including \$231.0 billion, plus 0.2144% per annum of the aggregate net assets over \$231.0 billion, up to and including \$281.0 billion, plus 0.2037% per annum of the aggregate net assets in excess of \$281.0 billion. Effective October 19, 2020, the management fee for the iShares S&P Mid-Cap 400 Growth ETF equals the ratio of the Fund's net assets over the aggregate net assets of the above iShares funds multiplied by the amount calculated as follows: 0.1800% per annum of the aggregate net assets less than or equal to \$121.0 billion, plus 0.1710% per annum of the aggregate net assets over \$121.0 billion, up to and including \$181.0 billion, plus 0.1624% per annum of the aggregate net assets over \$181.0 billion, up to and including \$231.0 billion, plus 0.1543% per annum of the aggregate net assets over \$231.0 billion, up to and including \$281.0 billion, plus 0.1465% per annum of the aggregate net assets in excess of \$281.0 billion.

The following table sets forth the management fee at the annual rate (as a percentage of each Fund's average daily net assets) BFA received from each Fund for the fiscal year ended March 31, 2020 and the management fees (net of waivers) each Fund paid BFA for the fiscal years noted:

Fund	Management Fee for the Fiscal Year Ended March 31, 2020	Fund Inception Date	Management Fees Paid Net of Waivers for Fiscal Year Ended March 31, 2020	Management Fees Paid Net of Waivers for Fiscal Year Ended March 31, 2019	Management Fees Paid Net of Waivers for Fiscal Year Ended March 31, 2018
iShares Core S&P 500 ETF <sup>1</sup>	0.04%	05/15/00	\$ 74,924,021	\$ 62,132,849	\$ 51,925,165
iShares Core S&P Mid-Cap ETF <sup>2</sup>	0.06%	05/22/00	33,218,024	32,885,361	29,103,281
iShares Core S&P Small-Cap ETF <sup>3</sup>	0.07%	05/22/00	30,926,871	29,770,009	23,194,395
iShares Core S&P Total U.S. Stock Market ETF	0.03%	01/20/04	6,752,170	4,621,214	3,314,642
iShares Core S&P U.S. Growth ETF <sup>4,5</sup>	0.04%	07/24/00	2,802,987	2,053,877	1,420,625
iShares Core S&P U.S. Value ETF <sup>6,7</sup>	0.04%	07/24/00	2,410,447	1,821,335	1,302,383
iShares Europe ETF	0.59%	07/25/00	10,144,672	13,701,876	17,904,743
iShares Expanded Tech Sector ETF	0.46%	03/13/01	7,891,981	7,000,292	5,958,021
iShares Expanded Tech-Software Sector ETF	0.46%	07/10/01	12,995,214	9,059,494	5,157,877
iShares Factors US Blend Style ETF	0.25%	04/14/20	N/A	N/A	N/A
iShares Factors US Growth Style ETF	0.25%	01/14/20	2,452	N/A	N/A
iShares Factors US Mid Blend Style ETF	0.30%	04/14/20	N/A	N/A	N/A
iShares Factors US Small Blend Style ETF	0.35%	04/14/20	N/A	N/A	N/A

Fund	Management Fee for the Fiscal Year Ended March 31, 2020	Fund Inception Date	Management Fees Paid Net of Waivers for Fiscal Year Ended March 31, 2020	Management Fees Paid Net of Waivers for Fiscal Year Ended March 31, 2019	Management Fees Paid Net of Waivers for Fiscal Year Ended March 31, 2018
iShares Factors US Value Style ETF	0.25%	01/14/20	2,360	N/A	N/A
iShares Focused Value Factor ETF	0.25%	03/19/19	75,293	2,584	N/A
iShares Global Consumer Staples ETF	0.46%	09/12/06	3,590,044	2,775,830	2,853,798
iShares Global Energy ETF	0.46%	11/12/01	4,063,298	6,618,817	4,478,505
iShares Global Financials ETF	0.46%	11/12/01	1,605,234	2,193,570	2,307,119
iShares Global Industrials ETF	0.46%	09/12/06	1,037,852	1,066,835	1,221,906
iShares Global Infrastructure ETF	0.46%	12/10/07	14,567,869	12,129,701	8,965,841
iShares Global Utilities ETF	0.46%	09/12/06	975,604	808,901	702,217
iShares International Developed Property ETF	0.48%	07/30/07	573,387	740,643	762,521
iShares International Preferred Stock ETF	0.55%	11/15/11	237,144	351,058	473,119
iShares JPX-Nikkei 400 ETF	0.48%	10/23/01	504,105	552,066	451,025
iShares Micro-Cap ETF	0.60%	08/12/05	4,949,924	5,879,853	5,138,410
iShares Mortgage Real Estate ETF	0.48%	05/01/07	6,239,681	5,537,565	5,962,548
iShares Nasdaq Biotechnology ETF	0.46%	02/05/01	33,317,845	40,352,267	43,746,610
iShares North American Natural Resources ETF	0.46%	10/22/01	2,539,091	4,158,779	4,533,669
iShares North American Tech-Multimedia Networking ETF	0.46%	07/10/01	440,707	295,744	300,944
iShares PHLX Semiconductor ETF	0.46%	07/10/01	8,388,652	6,666,118	5,894,938
iShares Preferred and Income Securities ETF	0.46%	03/26/07	74,532,199	71,662,596	82,622,370
iShares Residential and Multisector Real Estate ETF	0.48%	05/01/07	2,433,983	1,557,123	1,812,129
iShares Russell 1000 ETF	0.15%	05/15/00	31,099,669	28,891,918	28,792,969
iShares Russell 1000 Growth ETF	0.19%	05/22/00	88,623,531	81,066,625	73,498,356
iShares Russell 1000 Pure U.S. Revenue ETF	0.15%	08/08/17	10,775	15,037	5,528
iShares Russell 1000 Value ETF	0.19%	05/22/00	75,215,158	72,296,148	72,979,335
iShares Russell 2000 ETF	0.19%	05/22/00	82,712,541	86,432,537	77,149,262
iShares Russell 2000 Growth ETF	0.24%	07/24/00	21,923,827	23,820,419	20,593,602
iShares Russell 2000 Value ETF	0.24%	07/24/00	21,691,959	23,374,879	21,455,988
iShares Russell 3000 ETF	0.20%	05/22/00	19,171,357	17,791,366	15,997,885
iShares Russell Mid-Cap ETF	0.19%	07/17/01	38,318,932	34,171,037	31,429,300
iShares Russell Mid-Cap Growth ETF	0.24%	07/17/01	26,392,390	22,011,635	19,357,093
iShares Russell Mid-Cap Value ETF	0.24%	07/17/01	26,350,943	26,404,854	24,642,865
iShares Russell Top 200 ETF	0.15%	09/22/09	424,813	250,017	184,654
iShares Russell Top 200 Growth ETF	0.20%	09/22/09	3,141,738	2,332,597	1,955,608
iShares Russell Top 200 Value ETF	0.20%	09/22/09	932,744	687,009	516,159
iShares S&P 100 ETF	0.20%	10/23/00	10,413,242	9,563,478	9,819,296
iShares S&P 500 Growth ETF	0.18%	05/22/00	42,676,987	38,556,294	34,449,906
iShares S&P 500 Value ETF	0.18%	05/22/00	28,889,406	27,220,301	25,612,646
iShares S&P Mid-Cap 400 Growth ETF <sup>8</sup>	0.24%	07/24/00	17,626,271	18,717,827	17,303,275
iShares S&P Mid-Cap 400 Value ETF <sup>9</sup>	0.25%	07/24/00	15,415,355	14,907,782	14,264,078
iShares S&P Small-Cap 600 Growth ETF <sup>10</sup>	0.25%	07/24/00	13,150,607	15,147,750	11,567,629
iShares S&P Small-Cap 600 Value ETF <sup>11</sup>	0.25%	07/24/00	15,214,258	15,183,210	12,329,979
iShares U.S. Aerospace & Defense ETF	0.42%	05/01/06	21,997,510	23,331,067	18,067,188
iShares U.S. Broker-Dealers & Securities Exchanges ETF	0.42%	05/01/06	993,296	1,386,691	784,511
iShares U.S. Healthcare Providers ETF	0.42%	05/01/06	3,633,778	3,478,792	2,240,970
iShares U.S. Home Construction ETF	0.42%	05/01/06	5,122,351	4,768,073	7,925,427
iShares U.S. Infrastructure ETF	0.40%	04/03/18	25,910	13,679	N/A
iShares U.S. Insurance ETF	0.42%	05/01/06	427,882	471,811	738,482



Fund	Management Fee for the Fiscal Year Ended March 31, 2020	Fund Inception Date	Management Fees Paid Net of Waivers for Fiscal Year Ended March 31, 2020	Management Fees Paid Net of Waivers for Fiscal Year Ended March 31, 2019	Management Fees Paid Net of Waivers for Fiscal Year Ended March 31, 2018
iShares U.S. Medical Devices ETF	0.42%	05/01/06	17,643,706	11,341,826	6,282,424
iShares U.S. Oil & Gas Exploration & Production ETF	0.42%	05/01/06	924,540	1,841,405	1,633,437
iShares U.S. Oil Equipment & Services ETF	0.42%	05/01/06	403,788	1,041,699	897,110
iShares U.S. Pharmaceuticals ETF	0.42%	05/01/06	1,433,214	1,706,911	2,622,487
iShares U.S. Real Estate ETF	0.42%	06/12/00	18,802,776	16,465,653	18,107,904
iShares U.S. Regional Banks ETF	0.42%	05/01/06	1,770,835	3,277,841	3,183,852
iShares U.S. Telecommunications ETF	0.42%	05/22/00	1,774,010	1,886,454	1,773,050

<sup>1</sup> Effective June 25, 2020, the management fee for the iShares Core S&P 500 ETF is 0.03%. Prior to June 25, 2020, the management fee for the iShares Core S&P 500 ETF was 0.04%.

<sup>2</sup> Effective June 25, 2020, the management fee for the iShares Core S&P Mid-Cap ETF is 0.05%. From December 13, 2019 to June 24, 2020, the management fee for the iShares Core S&P Mid-Cap ETF was 0.06%. Prior to December 13, 2019, the management fee for the iShares Core S&P Mid-Cap ETF was 0.07%.

<sup>3</sup> Effective June 25, 2020, the management fee for the iShares Core S&P Small-Cap ETF is 0.06%. Prior to June 25, 2020, the management fee for the iShares Core S&P Small-Cap ETF was 0.07%.

<sup>4</sup> Effective June 26, 2018, the management fee for the iShares Core S&P U.S. Growth ETF is 0.04%. Prior to June 26, 2018, the management fee for the iShares Core S&P U.S. Growth ETF was 0.05%.

<sup>5</sup> For the iShares Core S&P U.S. Growth ETF, BFA contractually agreed to waive a portion of its management fee such that the Fund's total annual fund operating expenses after fee waiver will not exceed 0.04% effective June 1, 2018 through May 30, 2023. The contractual waiver was discontinued beginning on June 26, 2018. For the fiscal year ended March 31, 2019, BFA waived \$29,398 of management fees.

<sup>6</sup> Effective June 26, 2018, the management fee for the iShares Core S&P U.S. Value ETF is 0.04%. Prior to June 26, 2018, the management fee for the iShares Core S&P U.S. Value ETF was 0.05%.

<sup>7</sup> For the iShares Core S&P U.S. Value ETF, BFA contractually agreed to waive a portion of its management fee such that the Fund's total annual fund operating expenses after fee waiver will not exceed 0.04% effective June 1, 2018 through May 30, 2023. The contractual waiver was discontinued beginning on June 26, 2018. For the fiscal year ended March 31, 2019, BFA waived \$26,299 of management fees.

<sup>8</sup> Effective October 19, 2020, the management fee for the iShares S&P Mid-Cap 400 Growth ETF is 0.17%. Prior to October 19, 2020, the management fee for the iShares S&P Mid-Cap 400 Growth ETF was 0.24%.

<sup>9</sup> Effective October 19, 2020, the management fee for the iShares S&P Mid-Cap 400 Value ETF is 0.18%. Prior to October 19, 2020, the management fee for the iShares S&P Mid-Cap 400 Value ETF was 0.25%.

<sup>10</sup> Effective October 19, 2020, the management fee for the iShares S&P Small-Cap 600 Growth ETF is 0.18%. Prior to October 19, 2020, the management fee for the iShares S&P Small-Cap 600 Growth ETF was 0.25%.

<sup>11</sup> Effective October 19, 2020, the management fee for the iShares S&P Small-Cap 600 Value ETF is 0.18%. Prior to October 19, 2020, the management fee for the iShares S&P Small-Cap 600 Value ETF was 0.25%.

**Investment Sub-Adviser.** Pursuant to the Investment Advisory Agreement between BFA and the Trust entered into on behalf of the iShares International Preferred Stock ETF, BFA 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 BFA, to perform investment advisory services with respect to the Fund. In addition, BFA may delegate certain of its investment advisory functions under the Investment Advisory Agreement to one or more of its affiliates to the extent permitted by applicable law. BFA 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.

BFA has entered into an investment sub-advisory agreement (the "Sub-Advisory Agreement" and together with the Investment Advisory Agreement, the "Advisory Agreements") with the Sub-Adviser. The Sub-Adviser is an investment adviser located in the U.K. The Sub-Adviser is an affiliate of BFA and is a registered investment adviser and a commodity pool operator organized in 1999.

Under the Sub-Advisory Agreement, subject to the supervision and oversight of the Board and BFA, the Sub-Adviser will be primarily responsible for execution of securities transactions outside the U.S. and Canada and may, from time to time, participate in the management of specified assets in the Fund's portfolio.

Pursuant to the Sub-Advisory Agreement, BFA pays the Sub-Adviser for services it provides either: (i) a fee equal to a percentage of the management fee paid to BFA under the Investment Advisory Agreement, or (ii) an amount based on the cost of the services provided. If the Sub-Adviser provides services related to both portfolio management and trading it is entitled to receive, from BFA, an amount equal to 20% of BFA's management fee, and if the Sub-Adviser provides services related solely to trading then it is entitled to receive, from BFA, an amount equal to 110% of the actual pre-tax costs incurred by the Sub-Adviser. The Sub-Adviser may be responsible for the day-to-day management of the Fund or portions of the Fund.

Unless earlier terminated as described below, each Advisory Agreement will remain in effect for an initial two year period and from year to year if approved annually (i) by the Board or by a vote of a majority of the outstanding voting securities of the Fund, and (ii) by a majority of the Trustees who are not parties to such agreement or interested persons (as defined in the 1940 Act) of any such party.

Each Advisory Agreement with respect to each Fund is terminable without penalty, on 60 days' notice, by the Board or by a vote of the holders of a majority of the applicable Fund's outstanding voting securities (as defined in the 1940 Act). The Investment Advisory Agreement is also terminable upon 60 days' notice by BFA. The Sub-Advisory Agreement is also terminable on 60 days' written notice at the option of either BFA or the Sub-Adviser. Each Advisory Agreement will terminate automatically in the event of its assignment (as defined in the 1940 Act).

**Portfolio Managers.** As of March 31, 2020, the individuals named as Portfolio Managers in the Funds' Prospectuses were also primarily responsible for the day-to-day management of other iShares funds and certain other types of portfolios and/or accounts as follows:

#### **Rachel Aguirre**

<u>Types of Accounts</u>	<u>Number</u>	<u>Total Assets</u>
Registered Investment Companies	249	\$ 504,415,000,000
Other Pooled Investment Vehicles	150	512,873,000,000
Other Accounts	123	440,978,000,000

#### **Jennifer Hsui**

<u>Types of Accounts</u>	<u>Number</u>	<u>Total Assets</u>
Registered Investment Companies	229	\$476,964,000,000
Other Pooled Investment Vehicles	58	60,271,000,000
Other Accounts	32	20,303,000,000

#### **Alan Mason**

<u>Types of Accounts</u>	<u>Number</u>	<u>Total Assets</u>
Registered Investment Companies	265	\$508,678,000,000
Other Pooled Investment Vehicles	0	N/A
Other Accounts	2	636,000,000

#### **Greg Savage**

<u>Types of Accounts</u>	<u>Number</u>	<u>Total Assets</u>
Registered Investment Companies	248	\$481,833,000,000
Other Pooled Investment Vehicles	30	1,398,000,000
Other Accounts	61	4,888,000,000

#### **Amy Whitelaw**

<u>Types of Accounts</u>	<u>Number</u>	<u>Total Assets</u>
Registered Investment Companies	222	\$442,507,000,000
Other Pooled Investment Vehicles	86	26,327,000,000

**Amy Whitelaw**Types of Accounts

## Other Accounts

Number

3

Total Assets

89,000,000

Each of the portfolios or accounts for which the Portfolio Managers are primarily responsible for the day-to-day management seeks to track the rate of return, risk profile and other characteristics of independent third-party indexes by either replicating the same combination of securities and other financial instruments that constitute those indexes or through a representative sampling of the securities and other financial instruments that constitute those indexes based on objective criteria and data. Pursuant to BFA's policy, investment opportunities are allocated equitably among the Funds and other portfolios and accounts. For example, under certain circumstances, an investment opportunity may be restricted due to limited supply in the market, legal constraints or other factors, in which event the investment opportunity will be allocated equitably among those portfolios and accounts, including the Funds, seeking such investment opportunity. As a consequence, from time to time each Fund may receive a smaller allocation of an investment opportunity than they would have if the Portfolio Managers and BFA and its affiliates did not manage other portfolios or accounts.

Like the Funds, the other portfolios or accounts for which the Portfolio Managers are primarily responsible for the day-to-day portfolio management generally pay an asset-based fee to BFA or its affiliates, as applicable, for its advisory services. One or more of those other portfolios or accounts, however, may pay BFA or its affiliates a performance-based fee in lieu of, or in addition to, an asset-based fee for its advisory services. A portfolio or account with a performance-based fee would pay BFA or its affiliates a portion of that portfolio's or account's gains, or would pay BFA or its affiliates more for its services than would otherwise be the case if BFA or any of its affiliates meets or exceeds specified performance targets. Performance-based fee arrangements could present an incentive for BFA or its affiliates to devote greater resources, and allocate more investment opportunities, to the portfolios or accounts that have those fee arrangements, relative to other portfolios or accounts, in order to earn larger fees. Although BFA and each of its affiliates have an obligation to allocate resources and opportunities equitably among portfolios and accounts and intend to do so, shareholders of the Funds should be aware that, as with any group of portfolios and accounts managed by an investment adviser and/or its affiliates pursuant to varying fee arrangements, including performance-based fee arrangements, there is the potential for a conflict of interest, which may result in the Portfolio Managers favoring those portfolios or accounts with performance-based fee arrangements.

The tables below show, for each Portfolio Manager, the number of portfolios or accounts of the types set forth in the above tables and the aggregate of total assets in those portfolios or accounts with respect to which the investment management fees are based on the performance of those portfolios or accounts as of March 31, 2020:

**Rachel Aguirre**Types of Accounts

Registered Investment Companies

Other Pooled Investment Vehicles

Other Accounts

<u>Number of Other Accounts with Performance Fees Managed by Portfolio Manager</u>	<u>Aggregate of Total Assets</u>
0	N/A
0	N/A
0	N/A

**Jennifer Hsui**Types of Accounts

Registered Investment Companies

Other Pooled Investment Vehicles

Other Accounts

<u>Number of Other Accounts with Performance Fees Managed by Portfolio Manager</u>	<u>Aggregate of Total Assets</u>
0	N/A
0	N/A
0	N/A

**Alan Mason**Types of Accounts

Registered Investment Companies

<u>Number of Other Accounts with Performance Fees Managed by Portfolio Manager</u>	<u>Aggregate of Total Assets</u>
0	N/A

**Alan Mason**

<u>Types of Accounts</u>	<u>Number of Other Accounts with Performance Fees Managed by Portfolio Manager</u>	<u>Aggregate of Total Assets</u>
Other Pooled Investment Vehicles	0	N/A
Other Accounts	0	N/A

**Greg Savage**

<u>Types of Accounts</u>	<u>Number of Other Accounts with Performance Fees Managed by Portfolio Manager</u>	<u>Aggregate of Total Assets</u>
Registered Investment Companies	0	N/A
Other Pooled Investment Vehicles	0	N/A
Other Accounts	0	N/A

**Amy Whitelaw**

<u>Types of Accounts</u>	<u>Number of Other Accounts with Performance Fees Managed by Portfolio Manager</u>	<u>Aggregate of Total Assets</u>
Registered Investment Companies	0	N/A
Other Pooled Investment Vehicles	0	N/A
Other Accounts	0	N/A

*Portfolio Manager Compensation Overview*

The discussion below describes the Portfolio Managers' compensation as of March 31, 2020.

BlackRock, Inc.'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, Inc.

Each portfolio manager receives base compensation based on their position with the firm, as well as retirement and other benefits offered to all BlackRock employees. Additionally, each portfolio manager receives discretionary incentive compensation, determined based on several components, including: the performance of BlackRock, Inc., the performance of the portfolio manager's group within BlackRock, the performance of portfolios managed by the portfolio manager and the team relative to its investment objective (which in the case of index ETFs would be how closely the ETF tracks its Underlying Index), and the individual's performance and contribution to the overall performance of these portfolios and BlackRock. Discretionary incentive compensation is paid in cash up to a certain threshold with the remaining portion represented by deferred BlackRock, Inc. stock awards. 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.

As of March 31, 2020, the Portfolio Managers beneficially owned shares of the Funds, for which they are primarily responsible for the day-to-day management, in the amounts reflected in the following tables:

**Rachel Aguirre**

<u>Fund</u>	<u>Dollar Range</u>					
	<u>None</u>	<u>\$1 to \$10k</u>	<u>\$10,001 to \$50k</u>	<u>\$50,001 to \$100k</u>	<u>\$100,001 to \$500k</u>	<u>\$500,001 to \$1m</u>
iShares Core S&P 500 ETF	X					
iShares Core S&P Mid-Cap ETF	X					
iShares Core S&P Small-Cap ETF	X					

## Rachel Aguirre

Fund	Dollar Range						over \$1m
	None	\$1 to \$10k	\$10,001 to \$50k	\$50,001 to \$100k	\$100,001 to \$500k	\$500,001 to \$1m	
iShares Core S&P Total U.S. Stock Market ETF	X						
iShares Core S&P U.S. Growth ETF	X						
iShares Core S&P U.S. Value ETF	X						
iShares Europe ETF	X						
iShares Expanded Tech Sector ETF	X						
iShares Expanded Tech-Software Sector ETF	X						
iShares Factors US Blend Style ETF	X						
iShares Factors US Growth Style ETF	X						
iShares Factors US Mid Blend Style ETF	X						
iShares Factors US Small Blend Style ETF	X						
iShares Factors US Value Style ETF	X						
iShares Focused Value Factor ETF	X						
iShares Global Consumer Staples ETF	X						
iShares Global Energy ETF	X						
iShares Global Financials ETF	X						
iShares Global Industrials ETF	X						
iShares Global Infrastructure ETF	X						
iShares Global Utilities ETF	X						
iShares International Developed Property ETF	X						
iShares International Preferred Stock ETF	X						
iShares JPX-Nikkei 400 ETF	X						
iShares Micro-Cap ETF	X						
iShares Mortgage Real Estate ETF	X						
iShares Nasdaq Biotechnology ETF	X						
iShares North American Natural Resources ETF	X						
iShares North American Tech-Multimedia Networking ETF	X						
iShares PHLX Semiconductor ETF	X						
iShares Preferred and Income Securities ETF	X						
iShares Residential and Multisector Real Estate ETF	X						
iShares Russell 1000 ETF	X						
iShares Russell 1000 Growth ETF	X						
iShares Russell 1000 Pure U.S. Revenue ETF	X						
iShares Russell 1000 Value ETF	X						
iShares Russell 2000 ETF	X						
iShares Russell 2000 Growth ETF	X						
iShares Russell 2000 Value ETF	X						
iShares Russell 3000 ETF	X						
iShares Russell Mid-Cap ETF	X						
iShares Russell Mid-Cap Growth ETF	X						
iShares Russell Mid-Cap Value ETF	X						
iShares Russell Top 200 ETF	X						
iShares Russell Top 200 Growth ETF	X						
iShares Russell Top 200 Value ETF	X						
iShares S&P 100 ETF	X						

## Rachel Aguirre

Fund	Dollar Range						over \$1m
	None	\$1 to \$10k	\$10,001 to \$50k	\$50,001 to \$100k	\$100,001 to \$500k	\$500,001 to \$1m	
iShares S&P 500 Growth ETF	X						
iShares S&P 500 Value ETF	X						
iShares S&P Mid-Cap 400 Growth ETF	X						
iShares S&P Mid-Cap 400 Value ETF	X						
iShares S&P Small-Cap 600 Growth ETF	X						
iShares S&P Small-Cap 600 Value ETF	X						
iShares U.S. Aerospace & Defense ETF	X						
iShares U.S. Broker-Dealers & Securities Exchanges ETF	X						
iShares U.S. Healthcare Providers ETF	X						
iShares U.S. Home Construction ETF	X						
iShares U.S. Infrastructure ETF	X						
iShares U.S. Insurance ETF	X						
iShares U.S. Medical Devices ETF	X						
iShares U.S. Oil & Gas Exploration & Production ETF	X						
iShares U.S. Oil Equipment & Services ETF	X						
iShares U.S. Pharmaceuticals ETF	X						
iShares U.S. Real Estate ETF	X						
iShares U.S. Regional Banks ETF	X						
iShares U.S. Telecommunications ETF	X						

## Jennifer Hsui

Fund	Dollar Range						over \$1m
	None	\$1 to \$10k	\$10,001 to \$50k	\$50,001 to \$100k	\$100,001 to \$500k	\$500,001 to \$1m	
iShares Core S&P 500 ETF					X		
iShares Core S&P Mid-Cap ETF			X				
iShares Core S&P Small-Cap ETF				X			
iShares Core S&P Total U.S. Stock Market ETF	X						
iShares Core S&P U.S. Growth ETF	X						
iShares Core S&P U.S. Value ETF	X						
iShares Europe ETF	X						
iShares Expanded Tech Sector ETF			X				
iShares Expanded Tech-Software Sector ETF	X						
iShares Factors US Blend Style ETF	X						
iShares Factors US Growth Style ETF	X						
iShares Factors US Mid Blend Style ETF	X						
iShares Factors US Small Blend Style ETF	X						
iShares Factors US Value Style ETF	X						
iShares Focused Value Factor ETF	X						
iShares Global Consumer Staples ETF	X						
iShares Global Energy ETF	X						
iShares Global Financials ETF	X						
iShares Global Industrials ETF	X						



## Jennifer Hsui

Fund	Dollar Range						
	None	\$1 to \$10k	\$10,001 to \$50k	\$50,001 to \$100k	\$100,001 to \$500k	\$500,001 to \$1m	over \$1m
iShares Global Infrastructure ETF	X						
iShares Global Utilities ETF	X						
iShares International Developed Property ETF	X						
iShares International Preferred Stock ETF	X						
iShares JPX-Nikkei 400 ETF	X						
iShares Micro-Cap ETF	X						
iShares Mortgage Real Estate ETF	X						
iShares Nasdaq Biotechnology ETF	X						
iShares North American Natural Resources ETF	X						
iShares North American Tech-Multimedia Networking ETF	X						
iShares PHLX Semiconductor ETF	X						
iShares Preferred and Income Securities ETF	X						
iShares Residential and Multisector Real Estate ETF	X						
iShares Russell 1000 ETF	X						
iShares Russell 1000 Growth ETF	X						
iShares Russell 1000 Pure U.S. Revenue ETF	X						
iShares Russell 1000 Value ETF	X						
iShares Russell 2000 ETF	X						
iShares Russell 2000 Growth ETF	X						
iShares Russell 2000 Value ETF	X						
iShares Russell 3000 ETF					X		
iShares Russell Mid-Cap ETF	X						
iShares Russell Mid-Cap Growth ETF	X						
iShares Russell Mid-Cap Value ETF	X						
iShares Russell Top 200 ETF	X						
iShares Russell Top 200 Growth ETF	X						
iShares Russell Top 200 Value ETF	X						
iShares S&P 100 ETF	X						
iShares S&P 500 Growth ETF	X						
iShares S&P 500 Value ETF		X					
iShares S&P Mid-Cap 400 Growth ETF	X						
iShares S&P Mid-Cap 400 Value ETF	X						
iShares S&P Small-Cap 600 Growth ETF	X						
iShares S&P Small-Cap 600 Value ETF	X						
iShares U.S. Aerospace & Defense ETF	X						
iShares U.S. Broker-Dealers & Securities Exchanges ETF	X						
iShares U.S. Healthcare Providers ETF	X						
iShares U.S. Home Construction ETF	X						
iShares U.S. Infrastructure ETF	X						
iShares U.S. Insurance ETF	X						
iShares U.S. Medical Devices ETF	X						
iShares U.S. Oil & Gas Exploration & Production ETF	X						

## Jennifer Hsui

Fund	Dollar Range						
	None	\$1 to \$10k	\$10,001 to \$50k	\$50,001 to \$100k	\$100,001 to \$500k	\$500,001 to \$1m	over \$1m
iShares U.S. Oil Equipment & Services ETF	X						
iShares U.S. Pharmaceuticals ETF	X						
iShares U.S. Real Estate ETF	X						
iShares U.S. Regional Banks ETF	X						
iShares U.S. Telecommunications ETF	X						

## Alan Mason

Fund	Dollar Range						
	None	\$1 to \$10k	\$10,001 to \$50k	\$50,001 to \$100k	\$100,001 to \$500k	\$500,001 to \$1m	over \$1m
iShares Core S&P 500 ETF	X						
iShares Core S&P Mid-Cap ETF	X						
iShares Core S&P Small-Cap ETF	X						
iShares Core S&P Total U.S. Stock Market ETF	X						
iShares Core S&P U.S. Growth ETF	X						
iShares Core S&P U.S. Value ETF	X						
iShares Europe ETF	X						
iShares Expanded Tech Sector ETF	X						
iShares Expanded Tech-Software Sector ETF	X						
iShares Factors US Blend Style ETF	X						
iShares Factors US Growth Style ETF	X						
iShares Factors US Mid Blend Style ETF	X						
iShares Factors US Small Blend Style ETF	X						
iShares Factors US Value Style ETF	X						
iShares Focused Value Factor ETF	X						
iShares Global Consumer Staples ETF	X						
iShares Global Energy ETF	X						
iShares Global Financials ETF	X						
iShares Global Industrials ETF	X						
iShares Global Infrastructure ETF	X						
iShares Global Utilities ETF	X						
iShares International Developed Property ETF	X						
iShares International Preferred Stock ETF	X						
iShares JPX-Nikkei 400 ETF	X						
iShares Micro-Cap ETF	X						
iShares Mortgage Real Estate ETF	X						
iShares Nasdaq Biotechnology ETF	X						
iShares North American Natural Resources ETF	X						
iShares North American Tech-Multimedia Networking ETF	X						
iShares PHLX Semiconductor ETF	X						
iShares Preferred and Income Securities ETF	X						
iShares Residential and Multisector Real Estate ETF	X						
iShares Russell 1000 ETF	X						

## Alan Mason

Fund	Dollar Range						over \$1m
	None	\$1 to \$10k	\$10,001 to \$50k	\$50,001 to \$100k	\$100,001 to \$500k	\$500,001 to \$1m	
iShares Russell 1000 Growth ETF	X						
iShares Russell 1000 Pure U.S. Revenue ETF	X						
iShares Russell 1000 Value ETF	X						
iShares Russell 2000 ETF	X						
iShares Russell 2000 Growth ETF	X						
iShares Russell 2000 Value ETF	X						
iShares Russell 3000 ETF	X						
iShares Russell Mid-Cap ETF	X						
iShares Russell Mid-Cap Growth ETF	X						
iShares Russell Mid-Cap Value ETF	X						
iShares Russell Top 200 ETF	X						
iShares Russell Top 200 Growth ETF	X						
iShares Russell Top 200 Value ETF	X						
iShares S&P 100 ETF	X						
iShares S&P 500 Growth ETF	X						
iShares S&P 500 Value ETF	X						
iShares S&P Mid-Cap 400 Growth ETF	X						
iShares S&P Mid-Cap 400 Value ETF	X						
iShares S&P Small-Cap 600 Growth ETF	X						
iShares S&P Small-Cap 600 Value ETF	X						
iShares U.S. Aerospace & Defense ETF	X						
iShares U.S. Broker-Dealers & Securities Exchanges ETF	X						
iShares U.S. Healthcare Providers ETF	X						
iShares U.S. Home Construction ETF	X						
iShares U.S. Infrastructure ETF	X						
iShares U.S. Insurance ETF	X						
iShares U.S. Medical Devices ETF	X						
iShares U.S. Oil & Gas Exploration & Production ETF	X						
iShares U.S. Oil Equipment & Services ETF	X						
iShares U.S. Pharmaceuticals ETF	X						
iShares U.S. Real Estate ETF	X						
iShares U.S. Regional Banks ETF	X						
iShares U.S. Telecommunications ETF	X						

## Greg Savage

Fund	Dollar Range						over \$1m
	None	\$1 to \$10k	\$10,001 to \$50k	\$50,001 to \$100k	\$100,001 to \$500k	\$500,001 to \$1m	
iShares Core S&P 500 ETF	X						
iShares Core S&P Mid-Cap ETF	X						
iShares Core S&P Small-Cap ETF	X						
iShares Core S&P Total U.S. Stock Market ETF	X						
iShares Core S&P U.S. Growth ETF	X						

## Greg Savage

Fund	Dollar Range						over \$1m
	None	\$1 to \$10k	\$10,001 to \$50k	\$50,001 to \$100k	\$100,001 to \$500k	\$500,001 to \$1m	
iShares Core S&P U.S. Value ETF	X						
iShares Europe ETF	X						
iShares Expanded Tech Sector ETF	X						
iShares Expanded Tech-Software Sector ETF	X						
iShares Factors US Blend Style ETF	X						
iShares Factors US Growth Style ETF	X						
iShares Factors US Mid Blend Style ETF	X						
iShares Factors US Small Blend Style ETF	X						
iShares Factors US Value Style ETF	X						
iShares Focused Value Factor ETF	X						
iShares Global Consumer Staples ETF	X						
iShares Global Energy ETF	X						
iShares Global Financials ETF	X						
iShares Global Industrials ETF	X						
iShares Global Infrastructure ETF	X						
iShares Global Utilities ETF	X						
iShares International Developed Property ETF	X						
iShares International Preferred Stock ETF	X						
iShares JPX-Nikkei 400 ETF	X						
iShares Micro-Cap ETF	X						
iShares Mortgage Real Estate ETF	X						
iShares Nasdaq Biotechnology ETF	X						
iShares North American Natural Resources ETF	X						
iShares North American Tech-Multimedia Networking ETF	X						
iShares PHLX Semiconductor ETF	X						
iShares Preferred and Income Securities ETF	X						
iShares Residential and Multisector Real Estate ETF	X						
iShares Russell 1000 ETF	X						
iShares Russell 1000 Growth ETF	X						
iShares Russell 1000 Pure U.S. Revenue ETF	X						
iShares Russell 1000 Value ETF	X						
iShares Russell 2000 ETF	X						
iShares Russell 2000 Growth ETF	X						
iShares Russell 2000 Value ETF	X						
iShares Russell 3000 ETF	X						
iShares Russell Mid-Cap ETF	X						
iShares Russell Mid-Cap Growth ETF	X						
iShares Russell Mid-Cap Value ETF	X						
iShares Russell Top 200 ETF	X						
iShares Russell Top 200 Growth ETF	X						
iShares Russell Top 200 Value ETF	X						
iShares S&P 100 ETF	X						
iShares S&P 500 Growth ETF	X						
iShares S&P 500 Value ETF	X						

## Greg Savage

Fund	Dollar Range						over \$1m
	None	\$1 to \$10k	\$10,001 to \$50k	\$50,001 to \$100k	\$100,001 to \$500k	\$500,001 to \$1m	
iShares S&P Mid-Cap 400 Growth ETF	X						
iShares S&P Mid-Cap 400 Value ETF	X						
iShares S&P Small-Cap 600 Growth ETF	X						
iShares S&P Small-Cap 600 Value ETF	X						
iShares U.S. Aerospace & Defense ETF	X						
iShares U.S. Broker-Dealers & Securities Exchanges ETF	X						
iShares U.S. Healthcare Providers ETF	X						
iShares U.S. Home Construction ETF	X						
iShares U.S. Infrastructure ETF	X						
iShares U.S. Insurance ETF	X						
iShares U.S. Medical Devices ETF	X						
iShares U.S. Oil & Gas Exploration & Production ETF	X						
iShares U.S. Oil Equipment & Services ETF	X						
iShares U.S. Pharmaceuticals ETF	X						
iShares U.S. Real Estate ETF	X						
iShares U.S. Regional Banks ETF	X						
iShares U.S. Telecommunications ETF	X						

## Amy Whitelaw

Fund	Dollar Range						over \$1m
	None	\$1 to \$10k	\$10,001 to \$50k	\$50,001 to \$100k	\$100,001 to \$500k	\$500,001 to \$1m	
iShares Core S&P 500 ETF					X		
iShares Core S&P Mid-Cap ETF	X						
iShares Core S&P Small-Cap ETF			X				
iShares Core S&P Total U.S. Stock Market ETF	X						
iShares Core S&P U.S. Growth ETF	X						
iShares Core S&P U.S. Value ETF	X						
iShares Europe ETF	X						
iShares Expanded Tech Sector ETF	X						
iShares Expanded Tech-Software Sector ETF	X						
iShares Factors US Blend Style ETF	X						
iShares Factors US Growth Style ETF	X						
iShares Factors US Mid Blend Style ETF	X						
iShares Factors US Small Blend Style ETF	X						
iShares Factors US Value Style ETF	X						
iShares Focused Value Factor ETF	X						
iShares Global Consumer Staples ETF	X						
iShares Global Energy ETF	X						
iShares Global Financials ETF	X						
iShares Global Industrials ETF	X						
iShares Global Infrastructure ETF	X						
iShares Global Utilities ETF	X						

## Amy Whitelaw

Fund	Dollar Range						over \$1m
	None	\$1 to \$10k	\$10,001 to \$50k	\$50,001 to \$100k	\$100,001 to \$500k	\$500,001 to \$1m	
iShares International Developed Property ETF	X						
iShares International Preferred Stock ETF	X						
iShares JPX-Nikkei 400 ETF	X						
iShares Micro-Cap ETF	X						
iShares Mortgage Real Estate ETF	X						
iShares Nasdaq Biotechnology ETF					X		
iShares North American Natural Resources ETF	X						
iShares North American Tech-Multimedia Networking ETF	X						
iShares PHLX Semiconductor ETF	X						
iShares Preferred and Income Securities ETF	X						
iShares Residential and Multisector Real Estate ETF	X						
iShares Russell 1000 ETF	X						
iShares Russell 1000 Growth ETF	X						
iShares Russell 1000 Pure U.S. Revenue ETF	X						
iShares Russell 1000 Value ETF	X						
iShares Russell 2000 ETF	X						
iShares Russell 2000 Growth ETF				X			
iShares Russell 2000 Value ETF				X			
iShares Russell 3000 ETF	X						
iShares Russell Mid-Cap ETF	X						
iShares Russell Mid-Cap Growth ETF	X						
iShares Russell Mid-Cap Value ETF	X						
iShares Russell Top 200 ETF	X						
iShares Russell Top 200 Growth ETF	X						
iShares Russell Top 200 Value ETF	X						
iShares S&P 100 ETF	X						
iShares S&P 500 Growth ETF	X						
iShares S&P 500 Value ETF	X						
iShares S&P Mid-Cap 400 Growth ETF	X						
iShares S&P Mid-Cap 400 Value ETF	X						
iShares S&P Small-Cap 600 Growth ETF	X						
iShares S&P Small-Cap 600 Value ETF	X						
iShares U.S. Aerospace & Defense ETF	X						
iShares U.S. Broker-Dealers & Securities Exchanges ETF	X						
iShares U.S. Healthcare Providers ETF	X						
iShares U.S. Home Construction ETF	X						
iShares U.S. Infrastructure ETF	X						
iShares U.S. Insurance ETF	X						
iShares U.S. Medical Devices ETF	X						
iShares U.S. Oil & Gas Exploration & Production ETF	X						
iShares U.S. Oil Equipment & Services ETF	X						
iShares U.S. Pharmaceuticals ETF	X						



## Amy Whitelaw

Fund	Dollar Range						over \$1m
	None	\$1 to \$10k	\$10,001 to \$50k	\$50,001 to \$100k	\$100,001 to \$500k	\$500,001 to \$1m	
iShares U.S. Real Estate ETF	X						
iShares U.S. Regional Banks ETF	X						
iShares U.S. Telecommunications ETF	X						

**Codes of Ethics.** The Trust, BFA, the Sub-Adviser and the Distributor have adopted codes of ethics pursuant to Rule 17j-1 under the 1940 Act. The codes of ethics permit personnel subject to the codes of ethics to invest in securities, subject to certain limitations, including securities that may be purchased or held by the Funds. Each code of ethics is available by contacting BlackRock at the telephone number on the back cover of each Fund's Prospectus or by accessing the EDGAR Database on the SEC'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](mailto:publicinfo@sec.gov).

**Anti-Money Laundering Requirements.** The Funds are subject to the USA PATRIOT Act (the "Patriot Act"). The Patriot Act is intended to prevent the use of the U.S. financial system in furtherance of money laundering, terrorism or other illicit activities. Pursuant to requirements under the Patriot Act, a Fund may request information from Authorized Participants to enable it to form a reasonable belief that it knows the true identity of its Authorized Participants. This information will be used to verify the identity of Authorized Participants or, in some cases, the status of financial professionals; it will be used only for compliance with the requirements of the Patriot Act.

The Funds reserve the right to reject purchase orders from persons who have not submitted information sufficient to allow the Fund to verify their identity. Each Fund also reserves the right to redeem any amounts in a Fund from persons whose identity it is unable to verify on a timely basis. It is the Funds' policy to cooperate fully with appropriate regulators in any investigations conducted with respect to potential money laundering, terrorism or other illicit activities.

**Administrator, Custodian and Transfer Agent.** State Street serves as administrator, custodian and transfer agent for the Funds under the Master Services Agreement and related Service Schedule (the "Service Module"). State Street's principal address is 1 Lincoln Street, Boston, MA 02111. Pursuant to the Service Module for Fund Administration and Accounting Services with the Trust, State Street provides necessary administrative, legal, tax and accounting and financial reporting services for the maintenance and operations of the Trust and each Fund. In addition, State Street makes available the office space, equipment, personnel and facilities required to provide such services. Pursuant to the Service Module for Custodial Services with the Trust, State Street maintains, in separate accounts, cash, securities and other assets of the Trust and each Fund, keeps all necessary accounts and records and provides other services. State Street is required, upon the order of the Trust, to deliver securities held by State Street and to make payments for securities purchased by the Trust for each Fund. State Street is authorized to appoint certain foreign custodians or foreign custody managers for Fund investments outside the U.S. Pursuant to the Service Module for Transfer Agency Services with the Trust, State Street acts as a transfer agent for each Fund's authorized and issued shares of beneficial interest, and as dividend disbursing agent of the Trust. As compensation for these services, State Street receives certain out-of-pocket costs, transaction fees and asset-based fees which are accrued daily and paid monthly by BFA from its management fee.

The following table sets forth the administration, custodian and transfer agency expenses of each Fund paid by BFA to State Street for the fiscal years noted:

Fund	Fund Inception Date	Administration, Custodian, Transfer Agency Expenses Paid During Fiscal Year Ended March 31, 2020	Administration, Custodian, Transfer Agency Expenses Paid During Fiscal Year Ended March 31, 2019	Administration, Custodian, Transfer Agency Expenses Paid During Fiscal Year Ended March 31, 2018
iShares Core S&P 500 ETF	05/15/00	\$1,896,029	\$1,657,166	\$2,135,822
iShares Core S&P Mid-Cap ETF	05/22/00	625,958	583,103	675,859
iShares Core S&P Small-Cap ETF	05/22/00	604,191	577,960	578,034
iShares Core S&P Total U.S. Stock Market ETF	01/20/04	298,666	221,627	211,030

Fund	Fund Inception Date	Administration, Custodian, Transfer Agency Expenses Paid During Fiscal Year Ended March 31, 2020	Administration, Custodian, Transfer Agency Expenses Paid During Fiscal Year Ended March 31, 2019	Administration, Custodian, Transfer Agency Expenses Paid During Fiscal Year Ended March 31, 2018
iShares Core S&P U.S. Growth ETF	07/24/00	116,387	81,221	57,231
iShares Core S&P U.S. Value ETF	07/24/00	102,143	84,585	63,742
iShares Europe ETF	07/25/00	120,682	162,827	174,548
iShares Expanded Tech Sector ETF	03/13/01	39,286	34,840	27,577
iShares Expanded Tech-Software Sector ETF	07/10/01	46,216	33,395	21,746
iShares Factors US Blend Style ETF	04/14/20	N/A	N/A	N/A
iShares Factors US Growth Style ETF	01/14/20	5,804	N/A	N/A
iShares Factors US Mid Blend Style ETF	04/14/20	N/A	N/A	N/A
iShares Factors US Small Blend Style ETF	04/14/20	N/A	N/A	N/A
iShares Factors US Value Style ETF	01/14/20	6,850	N/A	N/A
iShares Focused Value Factor ETF	03/19/19	20,887	915	N/A
iShares Global Consumer Staples ETF	09/12/06	47,346	42,252	30,254
iShares Global Energy ETF	11/12/01	47,516	57,802	35,001
iShares Global Financials ETF	11/12/01	39,004	43,689	38,619
iShares Global Industrials ETF	09/12/06	32,222	33,691	20,567
iShares Global Infrastructure ETF	12/10/07	150,576	128,091	93,001
iShares Global Utilities ETF	09/12/06	29,009	28,281	17,339
iShares International Developed Property ETF	07/30/07	81,049	59,793	59,459
iShares International Preferred Stock ETF	11/15/11	32,669	35,211	17,956
iShares JPX-Nikkei 400 ETF	10/23/01	25,051	24,503	9,276
iShares Micro-Cap ETF	08/12/05	56,035	54,641	35,832
iShares Mortgage Real Estate ETF	05/01/07	32,462	27,685	28,294
iShares Nasdaq Biotechnology ETF	02/05/01	92,172	113,346	184,703
iShares North American Natural Resources ETF	10/22/01	27,352	28,782	22,928
iShares North American Tech-Multimedia Networking ETF	07/10/01	19,229	17,366	4,469
iShares PHLX Semiconductor ETF	07/10/01	34,569	39,531	23,662
iShares Preferred and Income Securities ETF	03/26/07	212,448	204,570	293,151
iShares Residential and Multisector Real Estate ETF	05/01/07	24,332	21,181	12,649
iShares Russell 1000 ETF	05/15/00	287,634	274,420	338,373
iShares Russell 1000 Growth ETF	05/22/00	607,098	566,868	647,807
iShares Russell 1000 Pure U.S. Revenue ETF	08/08/17	23,775	25,289	7,647
iShares Russell 1000 Value ETF	05/22/00	540,592	506,526	657,465
iShares Russell 2000 ETF	05/22/00	530,342	540,529	772,445
iShares Russell 2000 Growth ETF	07/24/00	141,436	139,561	172,278
iShares Russell 2000 Value ETF	07/24/00	146,654	154,826	178,267
iShares Russell 3000 ETF	05/22/00	144,026	135,898	156,384
iShares Russell Mid-Cap ETF	07/17/01	277,934	229,417	279,101
iShares Russell Mid-Cap Growth ETF	07/17/01	159,516	127,045	140,304
iShares Russell Mid-Cap Value ETF	07/17/01	167,221	148,536	188,969
iShares Russell Top 200 ETF	09/22/09	24,222	23,628	11,009
iShares Russell Top 200 Growth ETF	09/22/09	32,418	27,835	23,882
iShares Russell Top 200 Value ETF	09/22/09	27,784	26,793	13,037
iShares S&P 100 ETF	10/23/00	78,778	74,017	90,940
iShares S&P 500 Growth ETF	05/22/00	317,049	299,846	334,873
iShares S&P 500 Value ETF	05/22/00	229,163	212,125	258,470
iShares S&P Mid-Cap 400 Growth ETF	07/24/00	113,788	121,152	138,094
iShares S&P Mid-Cap 400 Value ETF	07/24/00	104,011	105,499	113,892

Fund	Fund Inception Date	Administration, Custodian, Transfer Agency Expenses Paid During Fiscal Year Ended March 31, 2020	Administration, Custodian, Transfer Agency Expenses Paid During Fiscal Year Ended March 31, 2019	Administration, Custodian, Transfer Agency Expenses Paid During Fiscal Year Ended March 31, 2018
iShares S&P Small-Cap 600 Growth ETF	07/24/00	101,886	119,961	105,812
iShares S&P Small-Cap 600 Value ETF	07/24/00	108,842	103,879	105,908
iShares U.S. Aerospace & Defense ETF	05/01/06	79,605	66,182	71,052
iShares U.S. Broker-Dealers & Securities Exchanges ETF	05/01/06	20,923	20,012	6,830
iShares U.S. Healthcare Providers ETF	05/01/06	25,289	20,547	12,396
iShares U.S. Home Construction ETF	05/01/06	28,534	26,653	33,596
iShares U.S. Infrastructure ETF	04/03/18	23,964	21,218	N/A
iShares U.S. Insurance ETF	05/01/06	21,211	20,218	7,986
iShares U.S. Medical Devices ETF	05/01/06	64,175	46,842	26,518
iShares U.S. Oil & Gas Exploration & Production ETF	05/01/06	20,493	22,787	11,941
iShares U.S. Oil Equipment & Services ETF	05/01/06	20,769	20,375	7,625
iShares U.S. Pharmaceuticals ETF	05/01/06	23,426	21,345	15,492
iShares U.S. Real Estate ETF	06/12/00	71,744	61,450	104,153
iShares U.S. Regional Banks ETF	05/01/06	24,783	26,001	16,680
iShares U.S. Telecommunications ETF	05/22/00	23,296	21,769	19,114

**Distributor.** The Distributor's principal address is 1 University Square Drive, Princeton, NJ 08540. Shares are continuously offered for sale by the Funds through the Distributor or its agent only in Creation Units, as described in the applicable Prospectus and below in the *Creation and Redemption of Creation Units* section of this SAI. Fund shares in amounts less than Creation Units are generally not distributed by the Distributor or its agent. The Distributor or its agent will arrange for the delivery of the applicable Prospectus and, upon request, this SAI to persons purchasing Creation Units and will maintain records of both orders placed with it or its agents and confirmations of acceptance furnished by it or its agents. The Distributor is a broker-dealer registered under the Securities Exchange Act of 1934, as amended (the "1934 Act"), and a member of the Financial Industry Regulatory Authority, Inc. ("FINRA"). The Distributor is also licensed as a broker-dealer in all 50 U.S. states, as well as in Puerto Rico, the U.S. Virgin Islands and the District of Columbia.

The Distribution Agreement for each Fund provides that it may be terminated at any time, without the payment of any penalty, on at least 60 days' prior written notice to the other party following (i) the vote of a majority of the Independent Trustees, or (ii) the vote of a majority of the outstanding voting securities (as defined in the 1940 Act) of the relevant Fund. The Distribution Agreement will terminate automatically in the event of its assignment (as defined in the 1940 Act).

The Distributor may also enter into agreements with securities dealers ("Soliciting Dealers") who will solicit purchases of Creation Units of Fund shares. Such Soliciting Dealers may also be Authorized Participants (as described below), DTC participants and/or investor services organizations.

BFA or its affiliates may, from time to time and from its own resources, pay, defray or absorb costs relating to distribution, including payments out of its own resources to the Distributor, or to otherwise promote the sale of shares.

**Securities Lending.** To the extent that a Fund engages in securities lending, each Fund conducts its securities lending pursuant to SEC exemptive relief, and BTC acts as securities lending agent for the Funds, subject to the overall supervision of BFA, pursuant to a written agreement (the "Securities Lending Agency Agreement").

Each Fund retains a portion of the securities lending income and remits the remaining portion to BTC as compensation for its services as securities lending agent. Securities lending income is generally equal to the total of income earned from the reinvestment of cash collateral (and excludes collateral investment fees as defined below), and any fees or other payments to and from borrowers of securities. As securities lending agent, BTC bears all operational costs directly related to securities lending. Each Fund is responsible for fees in connection with the investment of cash collateral received for securities on loan in a money market fund managed by BFA (the "collateral investment fees"); however, BTC has agreed to reduce the amount

of securities lending income it receives in order to effectively limit the collateral investment fees a Fund bears to an annual rate of 0.04%. Such money market fund shares will not be subject to a sales load, redemption fee, distribution fee or service fee.

Under the securities lending program, the Funds are categorized into one of several specific asset classes. The determination of a Fund'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 by the Trust and BTC.

Pursuant to the current Securities Lending Agency Agreement: (i) domestic equity funds, such as all Funds except for the iShares Europe ETF, iShares Global Consumer Staples ETF, iShares Global Energy ETF, iShares Global Financials ETF, iShares Global Healthcare ETF, iShares Global Industrials ETF, iShares Global Infrastructure ETF, iShares Global Utilities ETF, iShares International Developed Property ETF, iShares International Preferred Stock ETF and iShares JPX-Nikkei 400 ETF ("Domestic Equity Funds"), retain 75% of securities lending income (which excludes collateral investment fees), and (ii) this amount can never be less than 70% of the sum of securities lending income plus collateral investment fees.

Pursuant to the current Securities Lending Agency Agreement: (i) international equity funds, such as the iShares Europe ETF, iShares Global Consumer Staples ETF, iShares Global Energy ETF, iShares Global Financials ETF, iShares Global Healthcare ETF, iShares Global Industrials ETF, iShares Global Infrastructure ETF, iShares Global Utilities ETF, iShares International Developed Property ETF, iShares International Preferred Stock ETF and iShares JPX-Nikkei 400 ETF ("International Equity Funds"), retain 82% of securities lending income (which excludes collateral investment fees), and (ii) this amount can never be less than 70% of the sum of securities lending income plus collateral investment fees.

In addition, commencing the business day following the date that the aggregate securities lending income (which includes, for this purpose, collateral investment fees) earned across the Exchange-Traded Fund Complex (as defined under "Management — Trustees and Officers") in a calendar year exceeds a specified threshold, each applicable Fund, pursuant to the current Securities Lending Agency Agreement, will receive for the remainder of that calendar year securities lending income as follows:

#### *Domestic Equity Funds*

(i) 80% of securities lending income (which excludes collateral investment fees); and (ii) this amount can never be less than 70% of the sum of securities lending income plus collateral investment fees.

#### *International Equity Funds*

(i) 85% of securities lending income (which excludes collateral investment fees); and (ii) this amount can never be less than 70% of the sum of securities lending income plus collateral investment fees.

Prior to January 1, 2020, the Domestic Equity Funds were subject to a different securities lending fee arrangement and were also subject to a different securities lending fee arrangement prior to January 1, 2019.

Prior to January 1, 2019, the International Equity Funds were subject to a different securities lending fee arrangement.

The services provided to the Funds by BTC in the most recent fiscal year ended March 31, 2020 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 Funds 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 Funds at loan termination.

The following tables show the dollar amounts of income and fees/compensation related to the securities lending activities of each Fund during its most recent fiscal year ended March 31, 2020.

Fund	iShares Core S&P 500 ETF	iShares Core S&P Mid-Cap ETF	iShares Core S&P Small-Cap ETF	iShares Core S&P Total U.S. Stock Market ETF
<b>Gross income from securities lending activities</b>	\$36,338,522	\$ 67,824,589	\$ 84,615,312	\$17,540,766
<i>Fees and/or compensation for securities lending activities and related services</i>				
Securities lending income paid to BTC for services as securities lending agent	2,463,582	4,270,202	8,181,769	1,956,992
Cash collateral management expenses not included in securities lending income paid to BTC	616,311	1,164,808	1,279,947	246,581
Administrative fees not included in securities lending income paid to BTC	0	0	0	0
Indemnification fees not included in securities lending income paid to BTC	0	0	0	0
Rebates (paid to borrowers)	25,416,292	49,463,991	51,689,020	9,783,462
Other fees not included in securities lending income paid to BTC	0	0	0	0
<b>Aggregate fees/compensation for securities lending activities</b>	\$ 28,496,185	\$54,899,001	\$61,150,736	\$11,987,035
<b>Net income from securities lending activities</b>	\$ 7,842,337	\$12,925,588	\$23,464,576	\$ 5,553,731

Fund	iShares Core S&P U.S. Growth ETF	iShares Core S&P U.S. Value ETF	iShares Europe ETF	iShares Expanded Tech Sector ETF
<b>Gross income from securities lending activities</b>	\$ 3,912,655	\$1,266,696	\$301,824	\$1,179,806
<i>Fees and/or compensation for securities lending activities and related services</i>				
Securities lending income paid to BTC for services as securities lending agent	184,109	107,231	31,450	63,059
Cash collateral management expenses not included in securities lending income paid to BTC	71,812	18,431	3,170	21,388
Administrative fees not included in securities lending income paid to BTC	0	0	0	0
Indemnification fees not included in securities lending income paid to BTC	0	0	0	0
Rebates (paid to borrowers)	3,043,409	813,946	118,800	893,420
Other fees not included in securities lending income paid to BTC	0	0	0	0
<b>Aggregate fees/compensation for securities lending activities</b>	\$3,299,330	\$ 939,608	\$153,420	\$ 977,867
<b>Net income from securities lending activities</b>	\$ 613,325	\$ 327,088	\$148,404	\$ 201,939
Fund	iShares Expanded Tech-Software Sector ETF	iShares Factors US Blend Style ETF <sup>1</sup>	iShares Factors US Growth Style ETF	iShares Factors US Mid Blend Style ETF <sup>2</sup>
<b>Gross income from securities lending activities</b>	\$4,999,767	N/A	\$537	N/A
<i>Fees and/or compensation for securities lending activities and related services</i>				



Fund	iShares Expanded Tech-Software Sector ETF	iShares Factors US Blend Style ETF <sup>1</sup>	iShares Factors US Growth Style ETF	iShares Factors US Mid Blend Style ETF <sup>2</sup>
Securities lending income paid to BTC for services as securities lending agent	229,487	N/A	123	N/A
Cash collateral management expenses not included in securities lending income paid to BTC	92,348	N/A	4	N/A
Administrative fees not included in securities lending income paid to BTC	0	N/A	0	N/A
Indemnification fees not included in securities lending income paid to BTC	0	N/A	0	N/A
Rebates (paid to borrowers)	3,908,176	N/A	40	N/A
Other fees not included in securities lending income paid to BTC	0	N/A	0	N/A
<b>Aggregate fees/compensation for securities lending activities</b>	<b>\$4,230,011</b>	<b>N/A</b>	<b>\$167</b>	<b>N/A</b>
<b>Net income from securities lending activities</b>	<b>\$ 769,756</b>	<b>N/A</b>	<b>\$370</b>	<b>N/A</b>
Fund	iShares Factors US Small Blend Style ETF <sup>3</sup>	iShares Factors US Value Style ETF	iShares Focused Value Factor ETF	iShares Global Consumer Staples ETF
<b>Gross income from securities lending activities</b>	<b>N/A</b>	<b>\$53</b>	<b>\$2,284</b>	<b>\$82,046</b>
<i>Fees and/or compensation for securities lending activities and related services</i>				

Fund	iShares Factors US Small Blend Style ETF <sup>3</sup>	iShares Factors US Value Style ETF	iShares Focused Value Factor ETF	iShares Global Consumer Staples ETF
Securities lending income paid to BTC for services as securities lending agent	N/A	9	163	4,405
Cash collateral management expenses not included in securities lending income paid to BTC	N/A	1	52	655
Administrative fees not included in securities lending income paid to BTC	N/A	0	0	0
Indemnification fees not included in securities lending income paid to BTC	N/A	0	0	0
Rebates (paid to borrowers)	N/A	14	1,544	42,367
Other fees not included in securities lending income paid to BTC	N/A	0	0	0
<b>Aggregate fees/compensation for securities lending activities</b>	N/A	\$24	\$1,759	\$47,427
<b>Net income from securities lending activities</b>	N/A	\$29	\$ 525	\$34,619
Fund	iShares Global Energy ETF	iShares Global Financials ETF	iShares Global Industrials ETF	iShares Global Infrastructure ETF
<b>Gross income from securities lending activities</b>	\$59,354	\$59,784	\$50,227	\$391,000
<i>Fees and/or compensation for securities lending activities and related services</i>				
Securities lending income paid to BTC for services as securities lending agent	3,509	4,714	6,128	31,318
Cash collateral management expenses not included in securities lending income paid to BTC	1,054	801	454	5,381

Fund	iShares Global Energy ETF	iShares Global Financials ETF	iShares Global Industrials ETF	iShares Global Infrastructure ETF
Administrative fees not included in securities lending income paid to BTC	0	0	0	0
Indemnification fees not included in securities lending income paid to BTC	0	0	0	0
Rebates (paid to borrowers)	38,027	32,790	15,730	208,817
Other fees not included in securities lending income paid to BTC	0	0	0	0
<b>Aggregate fees/compensation for securities lending activities</b>	<b>\$42,590</b>	<b>\$38,305</b>	<b>\$22,312</b>	<b>\$245,516</b>
<b>Net income from securities lending activities</b>	<b>\$16,764</b>	<b>\$21,479</b>	<b>\$27,915</b>	<b>\$145,484</b>
Fund	iShares Global Utilities ETF	iShares International Developed Property ETF	iShares International Preferred Stock ETF	iShares JPX-Nikkei 400 ETF
<b>Gross income from securities lending activities</b>	<b>\$4,997</b>	<b>\$66,566</b>	<b>\$300</b>	<b>\$12,483</b>
<i>Fees and/or compensation for securities lending activities and related services</i>				
Securities lending income paid to BTC for services as securities lending agent	0	9,149	22	1,469
Cash collateral management expenses not included in securities lending income paid to BTC	58	573	5	140
Administrative fees not included in securities lending income paid to BTC	0	0	0	0
Indemnification fees not included in securities lending income paid to BTC	0	0	0	0

Fund	iShares Global Utilities ETF	iShares International Developed Property ETF	iShares International Preferred Stock ETF	iShares JPX-Nikkei 400 ETF
Rebates (paid to borrowers)	2,421	15,165	175	4,181
Other fees not included in securities lending income paid to BTC	0	0	0	0
<b>Aggregate fees/compensation for securities lending activities</b>	<b>\$2,479</b>	<b>\$24,887</b>	<b>\$202</b>	<b>\$5,790</b>
<b>Net income from securities lending activities</b>	<b>\$2,518</b>	<b>\$41,679</b>	<b>\$ 98</b>	<b>\$6,693</b>
Fund	iShares Micro-Cap ETF	iShares Mortgage Real Estate ETF	iShares Nasdaq Biotechnology ETF	iShares North American Natural Resources ETF
<b>Gross income from securities lending activities</b>	<b>\$8,662,735</b>	<b>\$73,075</b>	<b>\$33,271,959</b>	<b>\$676,631</b>
<i>Fees and/or compensation for securities lending activities and related services</i>				
Securities lending income paid to BTC for services as securities lending agent	1,717,807	7,970	3,429,142	46,654
Cash collateral management expenses not included in securities lending income paid to BTC	64,759	1,345	483,729	11,293
Administrative fees not included in securities lending income paid to BTC	0	0	0	0
Indemnification fees not included in securities lending income paid to BTC	0	0	0	0
Rebates (paid to borrowers)	2,039,159	41,043	19,725,513	479,782
Other fees not included in securities lending income paid to BTC	0	0	0	0

Fund	iShares Micro-Cap ETF	iShares Mortgage Real Estate ETF	iShares Nasdaq Biotechnology ETF	iShares North American Natural Resources ETF
Aggregate fees/compensation for securities lending activities	\$3,821,725	\$50,358	\$23,638,384	\$537,729
Net income from securities lending activities	\$4,841,010	\$22,717	\$ 9,633,575	\$138,902
Fund	iShares North American Tech-Multimedia Networking ETF	iShares PHLX Semiconductor ETF	iShares Preferred and Income Securities ETF	iShares Residential and Multisector Real Estate ETF
Gross income from securities lending activities	\$261,746	\$ 1,365,972	\$ 7,801,493	\$24,606
<i>Fees and/or compensation for securities lending activities and related services</i>				
Securities lending income paid to BTC for services as securities lending agent	22,571	62,359	1,904,890	1,402
Cash collateral management expenses not included in securities lending income paid to BTC	3,896	25,290	44,135	515
Administrative fees not included in securities lending income paid to BTC	0	0	0	0
Indemnification fees not included in securities lending income paid to BTC	0	0	0	0
Rebates (paid to borrowers)	167,359	1,068,233	491,995	18,142

Fund	iShares North American Tech-Multimedia Networking ETF	iShares PHLX Semiconductor ETF	iShares Preferred and Income Securities ETF	iShares Residential and Multisector Real Estate ETF
Other fees not included in securities lending income paid to BTC	0	0	0	0
<b>Aggregate fees/compensation for securities lending activities</b>	\$193,826	\$1,155,882	\$2,441,020	\$20,059
<b>Net income from securities lending activities</b>	\$ 67,920	\$ 210,090	\$5,360,473	\$ 4,547
Fund	iShares Russell 1000 ETF	iShares Russell 1000 Growth ETF	iShares Russell 1000 Pure U.S. Revenue ETF	iShares Russell 1000 Value ETF
<b>Gross income from securities lending activities</b>	\$12,244,325	\$25,419,207	\$0	\$11,899,886
<i>Fees and/or compensation for securities lending activities and related services</i>				
Securities lending income paid to BTC for services as securities lending agent	717,283	1,317,751	0	1,144,013
Cash collateral management expenses not included in securities lending income paid to BTC	206,258	460,247	0	171,151
Administrative fees not included in securities lending income paid to BTC	0	0	0	0
Indemnification fees not included in securities lending income paid to BTC	0	0	0	0
Rebates (paid to borrowers)	9,111,446	19,403,311	0	7,252,243
Other fees not included in securities lending income paid to BTC	0	0	0	0



Fund	iShares Russell 1000 ETF	iShares Russell 1000 Growth ETF	iShares Russell 1000 Pure U.S. Revenue ETF	iShares Russell 1000 Value ETF
<b>Aggregate fees/compensation for securities lending activities</b>	\$10,034,987	\$21,181,309	\$0	\$8,567,407
<b>Net income from securities lending activities</b>	\$ 2,209,338	\$ 4,237,898	\$0	\$3,332,479
Fund	iShares Russell 2000 ETF	iShares Russell 2000 Growth ETF	iShares Russell 2000 Value ETF	iShares Russell 3000 ETF
<b>Gross income from securities lending activities</b>	\$175,085,834	\$ 53,108,601	\$22,377,508	\$6,409,274
<i>Fees and/or compensation for securities lending activities and related services</i>				
Securities lending income paid to BTC for services as securities lending agent	23,194,783	6,966,996	2,986,560	610,711
Cash collateral management expenses not included in securities lending income paid to BTC	2,165,685	660,998	275,691	95,891
Administrative fees not included in securities lending income paid to BTC	0	0	0	0
Indemnification fees not included in securities lending income paid to BTC	0	0	0	0
Rebates (paid to borrowers)	84,076,835	25,776,880	10,660,881	3,965,583
Other fees not included in securities lending income paid to BTC	0	0	0	0
<b>Aggregate fees/compensation for securities lending activities</b>	\$109,437,303	\$33,404,874	\$ 13,923,132	\$ 4,672,185
<b>Net income from securities lending activities</b>	\$ 65,648,531	\$19,703,727	\$ 8,454,376	\$ 1,737,089

Fund	iShares Russell Mid Cap ETF	iShares Russell Mid-Cap Growth ETF	iShares Russell Mid-Cap Value ETF	iShares Russell Top 200 ETF
<b>Gross income from securities lending activities</b>	\$24,453,824	\$ 21,513,330	\$8,222,988	\$23,996
<i>Fees and/or compensation for securities lending activities and related services</i>				
Securities lending income paid to BTC for services as securities lending agent	1,723,477	1,047,349	842,733	1,808
Cash collateral management expenses not included in securities lending income paid to BTC	399,595	388,549	114,481	456
Administrative fees not included in securities lending income paid to BTC	0	0	0	0
Indemnification fees not included in securities lending income paid to BTC	0	0	0	0
Rebates (paid to borrowers)	17,140,065	16,660,035	4,832,413	16,216
Other fees not included in securities lending income paid to BTC	0	0	0	0
<b>Aggregate fees/compensation for securities lending activities</b>	\$19,263,137	\$18,095,933	\$5,789,627	\$18,480
<b>Net income from securities lending activities</b>	\$ 5,190,687	\$ 3,417,397	\$2,433,361	\$ 5,516
Fund	iShares Russell Top 200 Growth ETF	iShares Russell Top 200 Value ETF	iShares S&P 100 ETF	iShares S&P 500 Growth ETF
<b>Gross income from securities lending activities</b>	\$333,931	\$26,342	\$782,975	\$4,833,543
<i>Fees and/or compensation for securities lending activities and related services</i>				

Fund	iShares Russell Top 200 Growth ETF	iShares Russell Top 200 Value ETF	iShares S&P 100 ETF	iShares S&P 500 Growth ETF
Securities lending income paid to BTC for services as securities lending agent	22,453	2,118	54,775	246,682
Cash collateral management expenses not included in securities lending income paid to BTC	6,045	536	15,804	86,799
Administrative fees not included in securities lending income paid to BTC	0	0	0	0
Indemnification fees not included in securities lending income paid to BTC	0	0	0	0
Rebates (paid to borrowers)	236,107	17,105	538,116	3,688,066
Other fees not included in securities lending income paid to BTC	0	0	0	0
<b>Aggregate fees/compensation for securities lending activities</b>	<b>\$264,605</b>	<b>\$19,759</b>	<b>\$608,695</b>	<b>\$ 4,021,547</b>
<b>Net income from securities lending activities</b>	<b>\$ 69,326</b>	<b>\$ 6,583</b>	<b>\$ 174,280</b>	<b>\$ 811,996</b>
Fund	iShares S&P 500 Value ETF	iShares S&P Mid-Cap 400 Growth ETF	iShares S&P Mid-Cap 400 Value ETF	iShares S&P Small-Cap 600 Growth ETF
<b>Gross income from securities lending activities</b>	<b>\$2,192,177</b>	<b>\$9,562,665</b>	<b>\$9,214,589</b>	<b>\$12,670,016</b>
<i>Fees and/or compensation for securities lending activities and related services</i>				
Securities lending income paid to BTC for services as securities lending agent	209,399	464,058	708,877	868,668

Fund	iShares S&P 500 Value ETF	iShares S&P Mid-Cap 400 Growth ETF	iShares S&P Mid-Cap 400 Value ETF	iShares S&P Small-Cap 600 Growth ETF
Cash collateral management expenses not included in securities lending income paid to BTC	27,910	170,623	145,883	212,797
Administrative fees not included in securities lending income paid to BTC	0	0	0	0
Indemnification fees not included in securities lending income paid to BTC	0	0	0	0
Rebates (paid to borrowers)	1,298,597	7,419,291	6,294,761	9,008,575
Other fees not included in securities lending income paid to BTC	0	0	0	0
<b>Aggregate fees/compensation for securities lending activities</b>	<b>\$1,535,906</b>	<b>\$8,053,972</b>	<b>\$ 7,149,521</b>	<b>\$10,090,040</b>
<b>Net income from securities lending activities</b>	<b>\$ 656,271</b>	<b>\$1,508,693</b>	<b>\$2,065,068</b>	<b>\$ 2,579,976</b>
Fund	iShares S&P Small-Cap 600 Value ETF	iShares U.S. Aerospace & Defense ETF	iShares U.S. Broker-Dealers & Securities Exchanges ETF	iShares U.S. Healthcare Providers ETF
<b>Gross income from securities lending activities</b>	<b>\$11,660,945</b>	<b>\$2,959,305</b>	<b>\$33,565</b>	<b>\$1,005,703</b>
<i>Fees and/or compensation for securities lending activities and related services</i>				

Fund	iShares S&P Small-Cap 600 Value ETF	iShares U.S. Aerospace & Defense ETF	iShares U.S. Broker-Dealers & Securities Exchanges ETF	iShares U.S. Healthcare Providers ETF
Securities lending income paid to BTC for services as securities lending agent	1,380,444	118,252	1,302	50,881
Cash collateral management expenses not included in securities lending income paid to BTC	154,807	53,733	575	17,947
Administrative fees not included in securities lending income paid to BTC	0	0	0	0
Indemnification fees not included in securities lending income paid to BTC	0	0	0	0
Rebates (paid to borrowers)	6,182,980	2,380,537	27,191	769,907
Other fees not included in securities lending income paid to BTC	0	0	0	0

Fund	iShares S&P Small-Cap 600 Value ETF	iShares U.S. Aerospace & Defense ETF	iShares U.S. Broker-Dealers & Securities Exchanges ETF	iShares U.S. Healthcare Providers ETF
<b>Aggregate fees/compensation for securities lending activities</b>	\$7,718,231	\$2,552,522	\$29,068	\$838,735
<b>Net income from securities lending activities</b>	\$3,942,714	\$ 406,783	\$ 4,497	\$166,968
Fund	iShares U.S. Home Construction ETF	iShares U.S. Infrastructure ETF	iShares U.S. Insurance ETF	iShares U.S. Medical Devices ETF
<b>Gross income from securities lending activities</b>	\$1,076,537	\$10,985	\$23,996	\$ 4,275,529
<i>Fees and/or compensation for securities lending activities and related services</i>				
Securities lending income paid to BTC for services as securities lending agent	46,897	1,938	3,914	361,803
Cash collateral management expenses not included in securities lending income paid to BTC	18,943	93	252	65,385
Administrative fees not included in securities lending income paid to BTC	0	0	0	0
Indemnification fees not included in securities lending income paid to BTC	0	0	0	0
Rebates (paid to borrowers)	855,596	3,287	8,877	2,768,438
Other fees not included in securities lending income paid to BTC	0	0	0	0
<b>Aggregate fees/compensation for securities lending activities</b>	\$ 921,436	\$ 5,318	\$13,043	\$3,195,626



Fund	iShares U.S. Home Construction ETF	iShares U.S. Infrastructure ETF	iShares U.S. Insurance ETF	iShares U.S. Medical Devices ETF
<b>Net income from securities lending activities</b>	\$155,101	\$5,667	\$10,953	\$1,079,903
Fund	iShares U.S. Oil & Gas Exploration & Production ETF	iShares U.S. Oil Equipment & Services ETF	iShares U.S. Pharmaceuticals ETF	iShares U.S. Real Estate ETF
<b>Gross income from securities lending activities</b>	\$272,939	\$199,977	\$559,451	\$231,214
<i>Fees and/or compensation for securities lending activities and related services</i>				
Securities lending income paid to BTC for services as securities lending agent	30,978	17,139	61,441	15,037
Cash collateral management expenses not included in securities lending income paid to BTC	3,450	2,825	8,007	4,663
Administrative fees not included in securities lending income paid to BTC	0	0	0	0
Indemnification fees not included in securities lending income paid to BTC	0	0	0	0
Rebates (paid to borrowers)	149,643	129,146	316,735	163,805
Other fees not included in securities lending income paid to BTC	0	0	0	0

Fund	iShares U.S. Oil & Gas Exploration & Production ETF	iShares U.S. Oil Equipment & Services ETF	iShares U.S. Pharmaceuticals ETF	iShares U.S. Real Estate ETF
Aggregate fees/compensation for securities lending activities	\$184,071	\$149,110	\$386,183	\$183,505
Net income from securities lending activities	\$ 88,868	\$ 50,867	\$173,268	\$ 47,709
Fund			iShares U.S. Regional Banks ETF	iShares U.S. Telecommunications ETF
Gross income from securities lending activities			\$ 243,143	\$373,536
<i>Fees and/or compensation for securities lending activities and related services</i>				
Securities lending income paid to BTC for services as securities lending agent			7,312	31,523
Cash collateral management expenses not included in securities lending income paid to BTC			4,003	6,180
Administrative fees not included in securities lending income paid to BTC			0	0
Indemnification fees not included in securities lending income paid to BTC			0	0
Rebates (paid to borrowers)			205,324	243,702
Other fees not included in securities lending income paid to BTC			0	0
Aggregate fees/compensation for securities lending activities			\$216,639	\$281,405

Fund	iShares U.S. Regional Banks ETF	iShares U.S. Telecommunications ETF
<b>Net income from securities lending activities</b>	<b>\$26,504</b>	<b>\$92,131</b>

<sup>1</sup> For the iShares Factors US Blend Style ETF, because the inception date of the Fund is April 14, 2020, no services have been provided by BTC as the Fund's securities lending agent, and the Fund has no income and fees/compensation related to its securities lending activities for the fiscal year ended March 31, 2020.

<sup>2</sup> For the iShares Factors US Mid Blend Style ETF, because the inception date of the Fund is April 14, 2020, no services have been provided by BTC as the Fund's securities lending agent, and the Fund has no income and fees/compensation related to its securities lending activities for the fiscal year ended March 31, 2020.

<sup>3</sup> For the iShares Factors US Small Blend Style ETF, because the inception date of the Fund is April 14, 2020, no services have been provided by BTC as the Fund's securities lending agent, and the Fund has no income and fees/compensation related to its securities lending activities for the fiscal year ended March 31, 2020.

**Payments by BFA and its Affiliates.** BFA and/or its affiliates ("BFA Entities") may pay certain broker-dealers, registered investment advisers, banks and other financial intermediaries ("Intermediaries") for certain activities related to the Funds, other iShares funds or exchange-traded products in general. BFA Entities make these payments from their own assets and not from the assets of the Funds. Although a portion of BFA Entities' revenue comes directly or indirectly in part from fees paid by the Funds, other iShares funds or exchange-traded products, these payments do not increase the price paid by investors for the purchase of shares of, or the cost of owning, the Funds, other iShares funds or exchange-traded products. BFA Entities make payments for Intermediaries' participation in activities that are designed to make registered representatives, other professionals and individual investors more knowledgeable about exchange-traded products, including the Funds and other iShares funds, or for other activities, such as participation in marketing activities and presentations, educational training programs, conferences, the development of technology platforms and reporting systems ("Education Costs"). BFA Entities also make payments to Intermediaries for certain printing, publishing and mailing costs or materials relating to the Funds, other iShares funds or exchange-traded products ("Publishing Costs"). In addition, BFA Entities make payments to Intermediaries that make shares of the Funds, other iShares funds or exchange-traded products available to their clients, develop new products that feature iShares or otherwise promote the Funds, other iShares funds and exchange-traded products. BFA Entities may also reimburse expenses or make payments from their own assets to Intermediaries or other persons in consideration of services or other activities that the BFA Entities believe may benefit the iShares business or facilitate investment in the Funds, other iShares funds or exchange-traded products. Payments of the type described above are sometimes referred to as revenue-sharing payments.

Payments to an Intermediary may be significant to the Intermediary, and amounts that Intermediaries pay to your salesperson or other investment professional may also be significant for your salesperson or other investment professional. Because an Intermediary may make decisions about which investment options it will recommend or make available to its clients or what services to provide for various products based on payments it receives or is eligible to receive, such payments may create conflicts of interest between the Intermediary and its clients and these financial incentives may cause the Intermediary to recommend the Funds, other iShares funds or exchange-traded products over other investments. The same conflicts of interest and financial incentives exist with respect to your salesperson or other investment professional if he or she receives similar payments from his or her Intermediary firm.

In addition to the payments described above, BFA Entities have developed proprietary tools, calculators and related interactive or digital content that is made available through the [www.BlackRock.com](http://www.BlackRock.com) website at no additional cost to Intermediaries. BlackRock may configure these tools and calculators and localize the content for Intermediaries as part of its customary digital marketing support and promotion of the Funds, other iShares funds, exchange-traded products and BlackRock mutual funds.

As of March 1, 2013, BFA Entities have contractual arrangements to make payments (in addition to payments for Education Costs or Publishing Costs) to one Intermediary, Fidelity Brokerage Services LLC ("FBS"). Effective June 4, 2016, this relationship was expanded to include National Financial Services, LLC ("NFS"), an affiliate of FBS. Pursuant to this special, long-term and significant arrangement (the "Marketing Program"), FBS, NFS and certain of their affiliates (collectively "Fidelity") have agreed, among other things, to actively promote iShares funds to customers, investment professionals and other intermediaries and in advertising campaigns as the preferred exchange-traded product, to offer certain iShares funds in certain Fidelity platforms and investment programs, in some cases at a waived or reduced commission rate or ticket charge, and to provide marketing data to BFA Entities. BFA Entities have agreed to facilitate the Marketing Program by, among other things, making certain payments to FBS and NFS for marketing and implementing certain brokerage and investment programs. Upon termination of the arrangement, the BFA Entities will make additional payments to FBS and/or NFS based

upon a number of criteria, including the overall success of the Marketing Program and the level of services provided by FBS and NFS during the wind-down period.

In addition, BFA Entities may enter into other contractual arrangements with Intermediaries and certain other third parties that the BFA Entities believe may benefit the iShares business or facilitate investment in iShares funds. Such agreements may include payments by BFA Entities to such Intermediaries and third parties for data collection and provision, technology support, platform enhancement, or co-marketing and cross-promotional efforts. Payments made pursuant to such arrangements may vary in any year and may be different for different Intermediaries and third parties. In certain cases, the payments described in the preceding sentence may be subject to certain minimum payment levels. Such payments will not be asset- or revenue-based. As of the date of this SAI, the Intermediaries and other third parties receiving such contractual payments include: Charles Schwab & Co., Inc., Dorsey Wright and Associates, LLC, Edward D. Jones & Co., L.P., Envestnet Asset Management, Inc., FDx Advisors, Inc., LPL Financial LLC, Merrill Lynch, Pierce, Fenner & Smith Incorporated, Morgan Stanley Smith Barney LLC, Orion Advisors Services, LLC, Pershing LLC, Raymond James Financial Services, Inc., TD Ameritrade, Inc., UBS Financial Services Inc., Wells Fargo Clearing Services, LLC and Wells Fargo Advisors Financial Network, LLC. Any additions, modifications, or deletions to Intermediaries and other third parties listed above that have occurred since the date of this SAI are not included in the list.

Further, BFA Entities make Education Costs and Publishing Costs payments to other Intermediaries that are not listed above. BFA Entities may determine to make such payments based on any number of metrics. For example, BFA Entities may make payments at year-end or other intervals in a fixed amount, an amount based upon an Intermediary's services at defined levels or an amount based on the Intermediary's net sales of one or more iShares funds in a year or other period, any of which arrangements may include an agreed-upon minimum or maximum payment, or any combination of the foregoing. As of the date of this SAI, BFA anticipates that the payments paid by BFA Entities in connection with the Funds, iShares funds and exchange-traded products in general will be immaterial to BFA Entities in the aggregate for the next year. **Please contact your salesperson or other investment professional for more information regarding any such payments or financial incentives his or her Intermediary firm may receive. Any payments made, or financial incentives offered, by the BFA Entities to an Intermediary may create the incentive for the Intermediary to encourage customers to buy shares of the Funds, other iShares funds or other exchange-traded products.**

The Funds may participate in certain market maker incentive programs of a national securities exchange in which an affiliate of the Funds would pay a fee to the exchange used for the purpose of incentivizing one or more market makers in the securities of a Fund to enhance the liquidity and quality of the secondary market of securities of a Fund. The fee would then be credited by the exchange to one or more market makers that meet or exceed liquidity and market quality standards with respect to the securities of a Fund. Each market maker incentive program is subject to approval from the SEC. Any such fee payments made to an exchange will be made by an affiliate of a Fund solely for the benefit of a Fund and will not be paid from any Fund assets. Other funds managed by BFA may also participate in such programs.

## Determination of Net Asset Value

**Valuation of Shares.** The NAV for each Fund is generally calculated as of the close of business on the NYSE (normally 4:00 p.m., Eastern time) on each business day the NYSE is open. Valuation of securities held by a Fund is as follows:

**Equity Investments.** Equity securities traded on a recognized securities exchange (e.g., NYSE), on separate trading boards of a securities exchange or through a market system that provides contemporaneous transaction pricing information (each, an "Exchange") are valued using information obtained via independent pricing services, generally at the closing price on the Exchange on which the security is primarily traded, or if an Exchange closing price is not available, the last traded price on that Exchange prior to the time as of which a Fund's 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 a Fund values such security, the prior day's price will be used, unless, in accordance with valuation procedures approved by the Board (the "Valuation Procedures"), BlackRock determines in good faith 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 (as defined below).

**Fixed-Income Investments.** Fixed-income securities for which market quotations are readily available are generally valued using such securities' current market value. A Fund values fixed-income portfolio securities using the last available bid prices or current market quotations provided by dealers or prices (including evaluated prices) supplied by a Fund's approved independent third-party pricing services, each in accordance with the Valuation Procedures. 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/or other factors and assumptions. Pricing services generally value fixed-income securities assuming orderly transactions of an institutional round lot size, but a 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 BlackRock determines in good faith that 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 a 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 such 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 in good faith 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 (as defined below). OTC derivatives are valued using the last available bid prices or current market quotations provided by dealers or prices (including evaluated prices) supplied by a Fund's approved independent third-party pricing services, each in accordance with the Valuation Procedures. 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 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.

**Underlying Funds.** Shares of underlying ETFs will be valued at their most recent closing price on an Exchange. Shares of underlying money market funds will be valued at their NAV.

**General Valuation Information.** The price a Fund could receive upon the sale of any particular portfolio investment may differ from a 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 a Fund, and a Fund could realize a greater than expected loss or lesser than expected gain upon the sale of the investment. A 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 a Fund's books at their fair value.

Prices obtained from independent third-party pricing services, broker-dealers or market makers to value a Fund's securities and other assets and liabilities are based on information available at the time a Fund values its assets and liabilities. In the event that a pricing service quotation is revised or updated subsequent to the day on which a Fund valued such security or other asset or liability, the revised pricing service quotation generally will be applied prospectively. Such determination will be made considering pertinent facts and circumstances surrounding the 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 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 Board or by BlackRock (its delegate) pursuant to the Valuation Procedures. Any assets and

liabilities that are denominated in a foreign currency are converted into U.S. dollars using prevailing market rates on the date of valuation as quoted by one or more data service providers.

Certain of the securities acquired by a Fund may be traded on foreign exchanges or OTC markets on days on which a Fund's NAV is not calculated. In such cases, the NAV of a Fund's shares may be significantly affected on days when Authorized Participants can neither purchase nor redeem shares of a Fund.

Generally, trading in non-U.S. securities and money market instruments is substantially completed each day at various times prior to the close of business on the NYSE. The values of such securities used in computing the NAV of a Fund are determined as of such times.

Use of fair value prices and certain current market valuations could result in a difference between the prices used to calculate a Fund's NAV and the prices used in the Underlying Index, which, in turn, could result in a difference between a Fund's performance and the performance of the Underlying Index.

**Fair Value.** When market quotations are not readily available or are believed in good faith 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 the Valuation Procedures. BlackRock may reasonably conclude that a market quotation is not readily available or is unreliable if, among other things, a security or other asset or liability does not have a price source due to its complete lack of trading, if BlackRock believes in good faith that 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 reasonable business judgment, that an event has occurred after the close of trading for an asset or liability but prior to or at the time of pricing a Fund's assets or liabilities, and that the event is likely to cause a material change to the closing market price of the assets or liabilities held by a Fund. Non-U.S. securities whose values are affected by volatility that occurs in global markets or in related or highly correlated assets (e.g., ADRs, GDRs or substantially identical ETFs) on a trading day after the close of non-U.S. securities markets may be fair valued. On any day the NYSE is open and a foreign market or 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. In all cases, on days where non-U.S. securities markets are closed, BlackRock will determine the fair value of stocks traded on that local market, in accordance with the Valuation Procedures. Fair value adjustments may be calculated by referring to instruments and markets that have continued to trade, such as ETFs, correlated stock market indices or index futures.

BlackRock, with input from the BlackRock Investment Strategy Group, will submit its recommendations regarding the valuation and/or valuation methodologies for Fair Value Assets to BlackRock's Valuation Committee. The BlackRock Valuation Committee may accept, modify or reject any recommendations. In addition, a Fund's 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 a Fund. The pricing of all Fair Value Assets is subsequently reported to and, where appropriate, ratified by the Board.

When determining the price for a Fair Value Asset, the BlackRock Valuation Committee (or BlackRock's Pricing Group) will seek to determine the price that a Fund might reasonably expect to receive upon the current sale of that asset or liability in an arm's-length transaction on the date on which the assets or liabilities are being valued, and does not seek to determine the price that a Fund might expect to receive for selling the asset, or the cost of extinguishing a liability, at a later time or if it holds the asset or liability to maturity. Fair value determinations will be based upon all available factors that the BlackRock Valuation Committee (or BlackRock's 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. When determining the fair value of an asset, one or more of a variety of fair valuation methodologies may be used (depending on certain factors, including the asset type). For example, the asset may be priced on the basis of the original cost of the investment or, alternatively, using proprietary or third-party models (including models that rely upon direct portfolio management pricing inputs and which reflect the significance attributed to the various factors and assumptions being considered). Prices of actual, executed or historical transactions in the relevant asset and/or liability (or related or comparable assets and/or liabilities) or, where



appropriate, an appraisal by a third-party experienced in the valuation of similar assets and/or liabilities, may also be used as a basis for establishing the fair 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 NAV. As a result, a Fund's sale or redemption of its shares at NAV, 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 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. This may in turn increase the costs associated with selling assets or affect their liquidity due to a Fund's inability to obtain a third-party determination of fair market value.

## Brokerage Transactions

Subject to policies established by the Board, BFA is primarily responsible for the execution of a Fund's portfolio transactions and the allocation of brokerage. BFA does not execute transactions through any particular broker or dealer, but seeks to obtain the best net results for the Funds, 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 BFA 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, BFA may select a broker based partly upon brokerage or research services provided to BFA and its clients, including a Fund. In return for such services, BFA may cause a Fund to pay a higher commission than other brokers would charge if BFA determines in good faith that the commission is reasonable in relation to the services provided.

In selecting brokers or dealers to execute portfolio transactions, BFA seeks to obtain the best price and most favorable execution for a Fund and may take 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) BFA'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) BFA's knowledge of any actual or apparent operational problems of a broker or dealer. Brokers may also be selected because of their ability to handle special or difficult executions, such as may be involved in large block trades, thinly traded securities, or other circumstances.

Section 28(e) of the 1934 Act ("Section 28(e)") permits a U.S. investment adviser, under certain circumstances, to cause an account to pay a broker or dealer a commission for effecting a transaction in securities 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 in securities under certain conditions.

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 BFA 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).

The Funds anticipate that brokerage transactions involving foreign equity securities generally will be conducted primarily on the principal stock exchanges of the applicable country. Foreign equity securities may be held by the Funds 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 U.S. or Europe, as the case may be. ADRs, like other securities traded in the U.S., will be subject to negotiated commission rates.

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.

Under the 1940 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 SEC. 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 and affiliated persons of such affiliated persons in connection with such transactions. The Funds will not purchase securities during the existence of any underwriting or selling group relating to such securities of which BFA, BRIL or any affiliated person (as defined in the 1940 Act) thereof is a member except pursuant to procedures adopted by the Board in accordance with Rule 10f-3 under the 1940 Act.

Purchases of money market instruments by the Funds 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.

BFA may, from time to time, effect trades on behalf of and for the account of the Funds with brokers or dealers that are affiliated with BFA, in conformity with Rule 17e-1 under the 1940 Act and SEC rules and regulations. Under these provisions, any commissions paid to affiliated brokers or dealers must be reasonable and fair compared to the commissions charged by other brokers or dealers in comparable transactions.

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.

Investment decisions for the Funds and for other investment accounts managed by BFA and the other Affiliates are made independently of each other in light of differing conditions. A variety of factors will be considered in making investment 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. BFA and the other Affiliates may deal, trade and invest for their own respective accounts in the types of securities in which the Funds may invest.

Initial public offerings (“IPOs”) of securities may be over-subscribed and subsequently trade at a premium in the secondary market. When BFA 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 BFA’s trading desk their level of interest in a particular offering with respect to eligible clients’ accounts for which that team is responsible. IPOs 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 IPO will be allocated among participating client accounts within each 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-rating had not occurred. All allocations of securities will be subject, where relevant, to share minimums established for accounts and compliance constraints. 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 BFA to be fair and equitable to clients may be used as well.

Because different accounts may have differing investment objectives and policies, BFA 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, BFA 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 BFA or the other Affiliates during the same period 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 the Funds or other clients or funds for which BFA or another 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, BFA 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 and advisory accounts of affiliates. 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 the Funds are concerned, in other cases it could be beneficial to the Funds. Transactions effected by BFA or the other Affiliates 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.

The table below sets forth the brokerage commissions paid by each Fund for the fiscal years noted. Any differences in brokerage commissions paid by a Fund from year to year are principally due to increases or decreases in that Fund’s assets over those periods or the magnitude of changes to the components of a Fund’s Underlying Index:

Fund	Fund Inception Date	Brokerage Commissions Paid During Fiscal Year Ended March 31, 2020	Brokerage Commissions Paid During Fiscal Year Ended March 31, 2019	Brokerage Commissions Paid During Fiscal Year Ended March 31, 2018
iShares Core S&P 500 ETF	05/15/00	\$1,250,816	\$ 983,907	\$ 681,197
iShares Core S&P Mid-Cap ETF	05/22/00	2,084,841	1,861,056	1,007,979
iShares Core S&P Small-Cap ETF	05/22/00	4,708,435	3,355,926	1,752,585
iShares Core S&P Total U.S. Stock Market ETF	01/20/04	243,415	376,879	245,686
iShares Core S&P U.S. Growth ETF	07/24/00	176,924	85,378	36,521
iShares Core S&P U.S. Value ETF	07/24/00	210,750	143,200	45,264
iShares Europe ETF	07/25/00	38,602	73,306	41,321
iShares Expanded Tech Sector ETF	03/13/01	18,969	10,688	5,041
iShares Expanded Tech-Software Sector ETF	07/10/01	110,042	55,448	10,746

Fund	Fund Inception Date	Brokerage Commissions Paid During Fiscal Year Ended March 31, 2020	Brokerage Commissions Paid During Fiscal Year Ended March 31, 2019	Brokerage Commissions Paid During Fiscal Year Ended March 31, 2018
iShares Factors US Blend Style ETF	04/14/20	N/A	N/A	N/A
iShares Factors US Growth Style ETF	01/14/20	38	N/A	N/A
iShares Factors US Mid Blend Style ETF	04/14/20	N/A	N/A	N/A
iShares Factors US Small Blend Style ETF	04/14/20	N/A	N/A	N/A
iShares Factors US Value Style ETF	01/14/20	109	N/A	N/A
iShares Focused Value Factor ETF	03/19/19	12,050	0	N/A
iShares Global Consumer Staples ETF	09/12/06	18,174	14,813	7,864
iShares Global Energy ETF	11/12/01	24,006	25,871	14,030
iShares Global Financials ETF	11/12/01	9,318	11,079	5,904
iShares Global Industrials ETF	09/12/06	3,470	4,566	4,291
iShares Global Infrastructure ETF	12/10/07	130,189	313,520	92,544
iShares Global Utilities ETF	09/12/06	4,143	5,758	3,300
iShares International Developed Property ETF	07/30/07	5,283	6,022	8,862
iShares International Preferred Stock ETF	11/15/11	20,039	31,655	15,066
iShares JPX-Nikkei 400 ETF	10/23/01	4,639	4,939	2,216
iShares Micro-Cap ETF	08/12/05	235,016	167,681	124,090
iShares Mortgage Real Estate ETF	05/01/07	501,081	260,546	195,892
iShares Nasdaq Biotechnology ETF	02/05/01	674,765	350,923	400,570
iShares North American Natural Resources ETF	10/22/01	37,745	28,527	16,110
iShares North American Tech-Multimedia Networking ETF	07/10/01	10,077	3,507	1,785
iShares PHLX Semiconductor ETF	07/10/01	40,713	42,714	21,370
iShares Preferred and Income Securities ETF	03/26/07	2,183,048	1,426,788	935,942
iShares Residential and Multisector Real Estate ETF	05/01/07	19,227	12,787	14,721
iShares Russell 1000 ETF	05/15/00	165,354	145,057	110,091
iShares Russell 1000 Growth ETF	05/22/00	707,442	338,714	277,801
iShares Russell 1000 Pure U.S. Revenue ETF	08/08/17	592	267	49
iShares Russell 1000 Value ETF	05/22/00	898,426	651,445	533,413
iShares Russell 2000 ETF	05/22/00	3,864,228	2,989,237	2,428,121
iShares Russell 2000 Growth ETF	07/24/00	821,463	683,155	427,584
iShares Russell 2000 Value ETF	07/24/00	969,394	796,255	682,675
iShares Russell 3000 ETF	05/22/00	114,610	114,454	68,314
iShares Russell Mid-Cap ETF	07/17/01	360,657	237,962	262,376
iShares Russell Mid-Cap Growth ETF	07/17/01	218,731	110,510	120,934
iShares Russell Mid-Cap Value ETF	07/17/01	367,974	300,612	210,121
iShares Russell Top 200 ETF	09/22/09	1,699	852	524
iShares Russell Top 200 Growth ETF	09/22/09	25,477	10,118	5,535
iShares Russell Top 200 Value ETF	09/22/09	7,779	4,545	2,620
iShares S&P 100 ETF	10/23/00	36,028	30,608	18,864
iShares S&P 500 Growth ETF	05/22/00	374,287	379,985	191,346
iShares S&P 500 Value ETF	05/22/00	520,693	319,577	211,291
iShares S&P Mid-Cap 400 Growth ETF	07/24/00	473,048	485,964	293,088
iShares S&P Mid-Cap 400 Value ETF	07/24/00	482,724	396,262	294,780
iShares S&P Small-Cap 600 Growth ETF	07/24/00	754,745	496,965	343,910
iShares S&P Small-Cap 600 Value ETF	07/24/00	1,299,177	714,970	440,619
iShares U.S. Aerospace & Defense ETF	05/01/06	115,303	282,806	71,847
iShares U.S. Broker-Dealers & Securities Exchanges ETF	05/01/06	7,740	13,368	3,119
iShares U.S. Healthcare Providers ETF	05/01/06	43,409	69,253	10,777

<u>Fund</u>	<u>Fund Inception Date</u>	<u>Brokerage Commissions Paid During Fiscal Year Ended March 31, 2020</u>	<u>Brokerage Commissions Paid During Fiscal Year Ended March 31, 2019</u>	<u>Brokerage Commissions Paid During Fiscal Year Ended March 31, 2018</u>
iShares U.S. Home Construction ETF	05/01/06	49,446	48,890	54,674
iShares U.S. Infrastructure ETF	04/03/18	1,032	577	N/A
iShares U.S. Insurance ETF	05/01/06	1,815	2,828	2,680
iShares U.S. Medical Devices ETF	05/01/06	78,960	170,082	27,291
iShares U.S. Oil & Gas Exploration & Production ETF	05/01/06	23,130	13,532	10,484
iShares U.S. Oil Equipment & Services ETF	05/01/06	27,448	47,025	18,151
iShares U.S. Pharmaceuticals ETF	05/01/06	34,596	52,126	27,005
iShares U.S. Real Estate ETF	06/12/00	180,998	178,504	174,094
iShares U.S. Regional Banks ETF	05/01/06	7,877	15,643	5,401
iShares U.S. Telecommunications ETF	05/22/00	58,227	67,997	204,138

None of the Funds paid any brokerage commissions to BRIL, an affiliate of BFA, or to any other broker-dealer that is part of the BlackRock group of companies, during the fiscal year ended March 31, 2020.

The following table sets forth the names of the Funds' "regular" broker-dealers, as defined under Rule 10b-1 of the 1940 Act, which derive more than 15% of their gross revenues from securities-related activities and in which the Funds invest, together with the market value of each investment as of the fiscal year ended March 31, 2020:

<u>Fund</u>	<u>Issuer</u>	<u>Market Value of Investment</u>
iShares Core S&P 500 ETF	JPMorgan Chase & Co.	\$ 2,127,210,654
	Bank of America Corp.	1,294,730,827
	Wells Fargo & Co.	832,105,328
	Citigroup Inc.	692,726,369
	Goldman Sachs Group Inc. (The)	370,951,536
	Morgan Stanley	298,379,954
iShares Core S&P Total U.S. Stock Market ETF	JPMorgan Chase & Co.	\$ 240,744,181
	Bank of America Corp.	146,417,068
	Citigroup Inc.	78,358,532
	Goldman Sachs Group Inc. (The)	41,797,271
	Morgan Stanley	33,638,138
	Virtu Financial Inc.	1,110,497
	Cowen Inc.	211,824
iShares Core S&P U.S. Growth ETF	JPMorgan Chase & Co.	\$ 72,855,337
iShares Core S&P U.S. Value ETF	Bank of America Corp.	\$ 91,012,734
	JPMorgan Chase & Co.	77,757,020
	Wells Fargo & Co.	58,492,810
	Citigroup Inc.	48,695,016
	Goldman Sachs Group Inc. (The)	26,088,145
	Morgan Stanley	20,976,402
iShares Europe ETF	HSBC Holdings PLC	\$ 20,890,271
	UBS Group AG	6,348,851
	Barclays PLC	3,396,022

<u>Fund</u>	<u>Issuer</u>	<u>Market Value of Investment</u>
iShares Factors US Value Style ETF	Morgan Stanley JPMorgan Chase & Co.	\$ 79,662 17,916
iShares Focused Value Factor ETF	Wells Fargo & Co.	\$ 408,344
iShares Global Financials ETF	JPMorgan Chase & Co. Bank of America Corp. Citigroup Inc. Goldman Sachs Group Inc. (The) Morgan Stanley UBS Group AG Barclays PLC Macquarie Group Ltd. Credit Suisse Group AG Deutsche Bank AG	\$ 17,528,987 13,107,126 7,728,284 3,495,754 2,931,001 2,517,575 1,697,866 1,549,447 1,471,816 819,917
iShares International Preferred Stock ETF	Royal Bank of Canada Bank of Montreal Bank of Nova Scotia (The)	\$ 2,897,743 2,115,302 1,033,554
iShares JPX-Nikkei 400 ETF	Nomura Holdings	\$ 411,344
iShares Preferred and Income Securities ETF	Bank of America Corp. Wells Fargo & Co. JPMorgan Chase & Co. Morgan Stanley Bank of New York Mellon Corp. (The) Cowen Inc.	\$682,829,846 653,051,650 530,127,288 380,040,961 42,205,365 8,550,691
iShares Russell 1000 ETF	JPMorgan Chase & Co. Bank of America Corp. Citigroup Inc. Goldman Sachs Group Inc. (The) Morgan Stanley	\$ 214,049,116 129,382,732 67,854,056 37,537,389 30,143,482
iShares Russell 1000 Pure U.S. Revenue ETF	Bank of America Corp. Wells Fargo & Co.	\$ 91,990 57,945
iShares Russell 1000 Value ETF	JPMorgan Chase & Co. Bank of America Corp. Wells Fargo & Co. Citigroup Inc. Goldman Sachs Group Inc. (The) Morgan Stanley	\$834,560,094 504,453,397 317,823,685 264,330,841 146,236,884 117,481,220
iShares Russell 2000 ETF	Cowen Inc.	\$ 6,141,248



<u>Fund</u>	<u>Issuer</u>	<u>Market Value of Investment</u>
iShares Russell 3000 ETF	JPMorgan Chase & Co. Bank of America Corp. Wells Fargo & Co. Citigroup Inc. Goldman Sachs Group Inc. (The) Morgan Stanley Piper Sandler Cos.	\$ 92,542,017 55,937,483 35,240,816 29,336,032 16,229,013 13,038,286 226,908
iShares Russell Top 200 ETF	JPMorgan Chase & Co. Bank of America Corp. Wells Fargo & Co. Citigroup Inc. Goldman Sachs Group Inc. (The) Morgan Stanley	\$ 5,862,484 3,543,521 2,232,372 1,858,292 1,028,333 830,586
iShares Russell Top 200 Value ETF	JPMorgan Chase & Co. Bank of America Corp. Wells Fargo & Co. Citigroup Inc. Goldman Sachs Group Inc. (The) Morgan Stanley	\$ 15,212,189 9,195,223 5,793,009 4,822,824 2,671,006 2,140,164
iShares S&P 100 ETF	JPMorgan Chase & Co. Bank of America Corp. Wells Fargo & Co. Citigroup Inc. Goldman Sachs Group Inc. (The) Morgan Stanley Bank of New York Mellon Corp. (The)	\$ 96,969,873 59,020,631 37,932,101 31,577,869 16,918,794 13,600,068 9,706,239
iShares S&P 500 Growth ETF	JPMorgan Chase & Co.	\$249,688,032
iShares S&P 500 Value ETF	Bank of America Corp. JPMorgan Chase & Co. Wells Fargo & Co. Citigroup Inc. Goldman Sachs Group Inc. (The) Morgan Stanley	\$260,031,366 222,153,977 167,118,837 139,126,109 74,536,651 59,993,408
iShares U.S. Broker-Dealers & Securities Exchanges ETF	Goldman Sachs Group Inc. (The) Morgan Stanley Cowen Inc.	\$ 21,674,600 6,169,368 334,352

The Funds' purchase and sale orders for securities may be combined with those of other investment companies, clients or accounts that BlackRock manages or advises. If purchases or sales of portfolio securities of the Funds and one or more other accounts managed or advised by BlackRock are considered at or about the same time, transactions in such securities are allocated among the Funds and the other accounts in a manner deemed equitable to all by BlackRock. In some cases, this procedure could have a detrimental effect on the price or volume of the security as far as the Funds are concerned. However, in other cases, it is possible that the ability to participate in volume transactions and to negotiate lower transaction costs will

be beneficial to the Funds. BlackRock may deal, trade and invest for its own account in the types of securities in which the Funds may invest. BlackRock may, from time to time, effect trades on behalf of and for the account of the Funds with brokers or dealers that are affiliated with BFA, in conformity with the 1940 Act and SEC rules and regulations. Under these provisions, any commissions paid to affiliated brokers or dealers must be reasonable and fair compared to the commissions charged by other brokers or dealers in comparable transactions. The Funds will not deal with affiliates in principal transactions unless permitted by applicable SEC rules or regulations, or by SEC exemptive order.

Portfolio turnover may vary from year to year, as well as within a year. High turnover rates may result in comparatively greater brokerage expenses.

The table below sets forth the portfolio turnover rates of each Fund for the fiscal years noted:

<u>Fund</u>	<u>Fiscal Year Ended March 31, 2020</u>	<u>Fiscal Year Ended March 31, 2019</u>
iShares Core S&P 500 ETF	4%	5%
iShares Core S&P Mid-Cap ETF	15%	17%
iShares Core S&P Small-Cap ETF	16%	14%
iShares Core S&P Total U.S. Stock Market ETF	4%	6%
iShares Core S&P U.S. Growth ETF	35%	31%
iShares Core S&P U.S. Value ETF	34%	35%
iShares Europe ETF	5%	7%
iShares Expanded Tech Sector ETF	10%	8%
iShares Expanded Tech-Software Sector ETF	18%	18%
iShares Factors US Blend Style ETF	N/A <sup>1</sup>	N/A
iShares Factors US Growth Style ETF	13% <sup>2,3</sup>	N/A
iShares Factors US Mid Blend Style ETF	N/A <sup>4</sup>	N/A
iShares Factors US Small Blend Style ETF	N/A <sup>5</sup>	N/A
iShares Factors US Value Style ETF	16% <sup>6,7</sup>	N/A
iShares Focused Value Factor ETF	149% <sup>8</sup>	0% <sup>9</sup>
iShares Global Consumer Staples ETF	7%	7%
iShares Global Energy ETF	7%	6%
iShares Global Financials ETF	7%	7%
iShares Global Industrials ETF	5%	5%
iShares Global Infrastructure ETF	9%	19%
iShares Global Utilities ETF	6%	8%
iShares International Developed Property ETF	8%	9%
iShares International Preferred Stock ETF	54%	34%
iShares JPX-Nikkei 400 ETF	7%	11%
iShares Micro-Cap ETF	24%	25%
iShares Mortgage Real Estate ETF	29%	25%
iShares Nasdaq Biotechnology ETF	29%	18%
iShares North American Natural Resources ETF	16%	12%
iShares North American Tech-Multimedia Networking ETF	33%	29%
iShares PHLX Semiconductor ETF	14%	26%
iShares Preferred and Income Securities ETF	46%	28%
iShares Residential and Multisector Real Estate ETF	12%	10%
iShares Russell 1000 ETF	5%	6%
iShares Russell 1000 Growth ETF	18%	12%
iShares Russell 1000 Pure U.S. Revenue ETF	23%	12%
iShares Russell 1000 Value ETF	16%	17%
iShares Russell 2000 ETF	18%	22%
iShares Russell 2000 Growth ETF	33%	35%
iShares Russell 2000 Value ETF	25%	26%
iShares Russell 3000 ETF	5%	5%
iShares Russell Mid-Cap ETF	10%	11%

Fund	Fiscal Year Ended March 31, 2020	Fiscal Year Ended March 31, 2019
iShares Russell Mid-Cap Growth ETF	23%	20%
iShares Russell Mid-Cap Value ETF	20%	25%
iShares Russell Top 200 ETF	5%	5%
iShares Russell Top 200 Growth ETF	20%	15%
iShares Russell Top 200 Value ETF	17%	14%
iShares S&P 100 ETF	4%	7%
iShares S&P 500 Growth ETF	27%	27%
iShares S&P 500 Value ETF	32%	31%
iShares S&P Mid-Cap 400 Growth ETF	51%	50%
iShares S&P Mid-Cap 400 Value ETF	46%	44%
iShares S&P Small-Cap 600 Growth ETF	64%	45%
iShares S&P Small-Cap 600 Value ETF	53%	38%
iShares U.S. Aerospace & Defense ETF	20%	38%
iShares U.S. Broker-Dealers & Securities Exchanges ETF	15%	27%
iShares U.S. Healthcare Providers ETF	30%	48%
iShares U.S. Home Construction ETF	15%	17%
iShares U.S. Infrastructure ETF	23%	43%
iShares U.S. Insurance ETF	8%	17%
iShares U.S. Medical Devices ETF	9%	36%
iShares U.S. Oil & Gas Exploration & Production ETF	25%	12%
iShares U.S. Oil Equipment & Services ETF	23%	35%
iShares U.S. Pharmaceuticals ETF	40%	51%
iShares U.S. Real Estate ETF	8%	11%
iShares U.S. Regional Banks ETF	5%	10%
iShares U.S. Telecommunications ETF	41%	35%

<sup>1</sup> The inception date for the iShares Factors US Blend Style ETF was April 14, 2020.

<sup>2</sup> The inception date for the iShares Factors US Growth Style ETF was January 14, 2020.

<sup>3</sup> The portfolio turnover for the iShares Factors US Growth Style ETF relates to the period of January 14, 2020 to March 31, 2020 and is not annualized.

<sup>4</sup> The inception date for the iShares Factors US Mid Blend Style ETF was April 14, 2020.

<sup>5</sup> The inception date for the iShares Factors US Small Blend Style ETF was April 14, 2020.

<sup>6</sup> The inception date for the iShares Factors US Value Style ETF was January 14, 2020.

<sup>7</sup> The portfolio turnover for the iShares Factors US Value Style ETF relates to the period of January 14, 2020 to March 31, 2020 and is not annualized.

<sup>8</sup> Portfolio turnover rate for fiscal year end March 31, 2019 is for less than the full fiscal year and is not annualized. Portfolio turnover for fiscal year end March 31, 2020, includes turnover resulting from the rebalancing of the Underlying Index.

<sup>9</sup> The inception date for the iShares Focused Value Factor ETF was March 19, 2019.

## Additional Information Concerning the Trust

**Shares.** The Trust currently consists of more than 300 separate investment series or portfolios called funds. The Trust issues shares of beneficial interests in the funds with no par value. The Board may designate additional iShares funds.

Each share issued by a fund has a *pro rata* interest in the assets of that fund. Shares have no preemptive, exchange, subscription or conversion rights and are freely transferable. Each share is entitled to participate equally in dividends and distributions declared by the Board with respect to the relevant fund, and in the net distributable assets of such fund on liquidation.

Each share has one vote with respect to matters upon which the shareholder is entitled to vote. In any matter submitted to shareholders for a vote, each fund shall hold a separate vote, provided that shareholders of all affected funds will vote together when: (i) required by the 1940 Act, or (ii) the Trustees determine that the matter affects the interests of more than one fund.

Under Delaware law, the Trust is not required to hold an annual meeting of shareholders unless required to do so under the 1940 Act. The policy of the Trust is not to hold an annual meeting of shareholders unless required to do so under the 1940 Act. All shares (regardless of the fund) have noncumulative voting rights in the election of members of the Board. Under Delaware law, Trustees of the Trust may be removed by vote of the shareholders.

Following the creation of the initial Creation Unit(s) of shares of a fund and immediately prior to the commencement of trading in such fund's shares, a holder of shares may be a "control person" of the fund, as defined in Rule 0-1 under the 1940 Act. A fund cannot predict the length of time for which one or more shareholders may remain a control person of the fund.

Shareholders may make inquiries by writing to iShares Trust, c/o BlackRock Investments, LLC, 1 University Square Drive, Princeton, NJ 08540.

Absent an applicable exemption or other relief from the SEC or its staff, beneficial owners of more than 5% of the shares of a fund may be subject to the reporting provisions of Section 13 of the 1934 Act and the SEC's rules promulgated thereunder. In addition, absent an applicable exemption or other relief from the SEC or its staff, officers and trustees of a fund and beneficial owners of 10% of the shares of a fund ("Insiders") may be subject to the insider reporting, short-swing profit and short sale provisions of Section 16 of the 1934 Act and the SEC's rules promulgated thereunder. Beneficial owners and Insiders should consult with their own legal counsel concerning their obligations under Sections 13 and 16 of the 1934 Act and existing guidance provided by the SEC staff.

In accordance with the Trust's current Agreement and Declaration of Trust (the "Declaration of Trust"), the Board may, without shareholder approval (unless such shareholder approval is required by the Declaration of Trust or applicable law, including the 1940 Act), authorize certain funds to merge, reorganize, consolidate, sell all or substantially all of their assets, or take other similar actions with, to or into another fund. The Trust or a fund may be terminated by a majority vote of the Board, subject to the affirmative vote of a majority of the shareholders of the Trust or such fund entitled to vote on termination; however, in certain circumstances described in the Declaration of Trust, only a majority vote of the Board is required. Although the shares are not automatically redeemable upon the occurrence of any specific event, the Declaration of Trust provides that the Board will have the unrestricted power to alter the number of shares in a Creation Unit. Therefore, in the event of a termination of the Trust or a fund, the Board, in its sole discretion, could determine to permit the shares to be redeemable in aggregations smaller than Creation Units or to be individually redeemable. In such circumstance, the Trust or a fund may make redemptions in-kind, for cash or for a combination of cash or securities. Further, in the event of a termination of the Trust or a fund, the Trust or a fund might elect to pay cash redemptions to all shareholders, with an in-kind election for shareholders owning in excess of a certain stated minimum amount.

**DTC as Securities Depository for Shares of the Funds.** Shares of each Fund are represented by securities registered in the name of DTC or its nominee and deposited with, or on behalf of, DTC.

DTC was created in 1973 to enable electronic movement of securities between its participants ("DTC Participants"), and NSCC was established in 1976 to provide a single settlement system for securities clearing and to serve as central counterparty for securities trades among DTC Participants. In 1999, DTC and NSCC were consolidated within The Depository Trust & Clearing Corporation ("DTCC") and became wholly-owned subsidiaries of DTCC. The common stock of DTCC is owned by the DTC Participants, but NYSE and FINRA, through subsidiaries, hold preferred shares in DTCC that provide them with the right to elect one member each to the DTCC board of directors. Access to the DTC system is available to entities, such as banks, brokers, dealers and trust companies, that clear through or maintain a custodial relationship with a DTC Participant, either directly or indirectly ("Indirect Participants").

Beneficial ownership of shares is limited to DTC Participants, Indirect Participants and persons holding interests through DTC Participants and Indirect Participants. Ownership of beneficial interests in shares (owners of such beneficial interests are referred to herein as "Beneficial Owners") is shown on, and the transfer of ownership is effected only through, records maintained by DTC (with respect to DTC Participants) and on the records of DTC Participants (with respect to Indirect Participants and Beneficial Owners that are not DTC Participants). Beneficial Owners will receive from or through the DTC Participant a written confirmation relating to their purchase of shares. The laws of some jurisdictions may require that certain purchasers of securities take physical delivery of such securities in definitive form. Such laws may impair the ability of certain investors to acquire beneficial interests in shares of the Fund.

Conveyance of all notices, statements and other communications to Beneficial Owners is effected as follows. Pursuant to the Depository Agreement between the Trust and DTC, DTC is required to make available to the Trust upon request and for a fee

to be charged to the Trust a listing of the shares of each Fund held by each DTC Participant. The Trust shall inquire of each such DTC Participant as to the number of Beneficial Owners holding shares, directly or indirectly, through such DTC Participant. The Trust shall provide each such DTC Participant with copies of such notice, statement or other communication, in such form, number and at such place as such DTC Participant may reasonably request, in order that such notice, statement or communication may be transmitted by such DTC Participant, directly or indirectly, to such Beneficial Owners. In addition, the Trust shall pay to each such DTC Participant a fair and reasonable amount as reimbursement for the expenses attendant to such transmittal, all subject to applicable statutory and regulatory requirements.

Share distributions shall be made to DTC or its nominee, Cede & Co., as the registered holder of all shares of the Trust. DTC or its nominee, upon receipt of any such distributions, shall credit immediately DTC Participants' accounts with payments in amounts proportionate to their respective beneficial interests in shares of each Fund as shown on the records of DTC or its nominee. Payments by DTC Participants to Indirect Participants and Beneficial Owners of shares held through such DTC Participants will be governed by standing instructions and customary practices, as is now the case with securities held for the accounts of customers in bearer form or registered in a "street name," and will be the responsibility of such DTC Participants.

The Trust has no responsibility or liability for any aspect of the records relating to or notices to Beneficial Owners, or payments made on account of beneficial ownership interests in such shares, or for maintaining, supervising or reviewing any records relating to such beneficial ownership interests, or for any other aspect of the relationship between DTC and the DTC Participants or the relationship between such DTC Participants and the Indirect Participants and Beneficial Owners owning through such DTC Participants. DTC may decide to discontinue providing its service with respect to shares of the Trust at any time by giving reasonable notice to the Trust and discharging its responsibilities with respect thereto under applicable law. Under such circumstances, the Trust shall take action to find a replacement for DTC to perform its functions at a comparable cost.

**Distribution of Shares.** In connection with each Fund's launch, each Fund was seeded through the sale of one or more Creation Units by each Fund to one or more initial investors. Initial investors participating in the seeding may be Authorized Participants, a lead market maker or other third party investor or an affiliate of each Fund or each Fund's adviser. Each such initial investor may sell some or all of the shares underlying the Creation Unit(s) held by them pursuant to the registration statement for each Fund (each, a "Selling Shareholder"), which shares have been registered to permit the resale from time to time after purchase. Each Fund will not receive any of the proceeds from the resale by the Selling Shareholders of these shares.

Selling Shareholders may sell shares owned by them directly or through broker-dealers, in accordance with applicable law, on any national securities exchange on which the shares may be listed or quoted at the time of sale, through trading systems, in the OTC market or in transactions other than on these exchanges or systems at fixed prices, at prevailing market prices at the time of the sale, at varying prices determined at the time of sale, or at negotiated prices. These sales may be effected through brokerage transactions, privately negotiated trades, block sales, entry into options or other derivatives transactions or through any other means authorized by applicable law. Selling Shareholders may redeem the shares held in Creation Unit size by them through an Authorized Participant.

Any Selling Shareholder and any broker-dealer or agents participating in the distribution of shares may be deemed to be "underwriters" within the meaning of Section 2(a)(11) of the 1933 Act, in connection with such sales.

Any Selling Shareholder and any other person participating in such distribution will be subject to applicable provisions of the 1934 Act and the rules and regulations thereunder.

## Creation and Redemption of Creation Units

**General.** The Trust issues and sells shares of each Fund only in Creation Units on a continuous basis through the Distributor or its agent, without a sales load, at a price based on the NAV next determined after receipt, on any Business Day (as defined below), of an order received by the Distributor or its agent in proper form. On days when the applicable Listing Exchange closes earlier than normal, the Funds may require orders to be placed earlier in the day. The following table sets forth the number of shares of a Fund that constitute a Creation Unit for such Fund and the approximate value of such Creation Unit as of April 30, 2020 (except as noted):

Fund	Shares Per Creation Unit	Approximate Value Per Creation Unit (U.S.\$)
iShares Core S&P 500 ETF	50,000	\$ 14,579,000
iShares Core S&P Mid-Cap ETF	50,000	8,214,000
iShares Core S&P Small-Cap ETF	50,000	3,169,500
iShares Core S&P Total U.S. Stock Market ETF	50,000	3,238,500
iShares Core S&P U.S. Growth ETF	50,000	3,270,500
iShares Core S&P U.S. Value ETF	50,000	2,564,000
iShares Europe ETF	50,000	1,875,500
iShares Expanded Tech Sector ETF	50,000	12,313,000
iShares Expanded Tech-Software Sector ETF	50,000	12,042,500
iShares Factors US Blend Style ETF	50,000	1,310,000
iShares Factors US Growth Style ETF	50,000	1,157,500
iShares Factors US Mid Blend Style ETF	50,000	1,308,500
iShares Factors US Small Blend Style ETF	50,000	1,359,000
iShares Factors US Value Style ETF	50,000	971,500
iShares Focused Value Factor ETF	50,000	1,667,500
iShares Global Consumer Staples ETF	50,000	2,542,500
iShares Global Energy ETF	150,000	2,953,500
iShares Global Financials ETF	50,000	2,517,500
iShares Global Industrials ETF	50,000	3,845,000
iShares Global Infrastructure ETF	100,000	3,702,000
iShares Global Utilities ETF	50,000	2,607,500
iShares International Developed Property ETF	100,000	2,964,000
iShares International Preferred Stock ETF	50,000	608,000
iShares JPX-Nikkei 400 ETF	150,000	8,457,000
iShares Micro-Cap ETF	50,000	3,878,000
iShares Mortgage Real Estate ETF	50,000	1,103,500
iShares Nasdaq Biotechnology ETF	50,000	6,209,000
iShares North American Natural Resources ETF	50,000	1,056,500
iShares North American Tech-Multimedia Networking ETF	50,000	2,479,500
iShares PHLX Semiconductor ETF	50,000	11,743,000
iShares Preferred and Income Securities ETF	50,000	1,725,500
iShares Residential and Multisector Real Estate ETF	50,000	2,927,000
iShares Russell 1000 ETF	50,000	8,014,500
iShares Russell 1000 Growth ETF	50,000	8,648,000
iShares Russell 1000 Pure U.S. Revenue ETF	50,000	1,270,500
iShares Russell 1000 Value ETF	50,000	5,518,500
iShares Russell 2000 ETF	50,000	6,519,500
iShares Russell 2000 Growth ETF	50,000	9,121,000
iShares Russell 2000 Value ETF	50,000	4,624,500
iShares Russell 3000 ETF	50,000	8,396,500
iShares Russell Mid-Cap ETF	50,000	2,470,000
iShares Russell Mid-Cap Growth ETF <sup>6</sup>	50,000	4,974,500
iShares Russell Mid-Cap Value ETF	50,000	3,632,500
iShares Russell Top 200 ETF	50,000	3,471,500
iShares Russell Top 200 Growth ETF	50,000	4,819,500
iShares Russell Top 200 Value ETF	50,000	2,428,000
iShares S&P 100 ETF	50,000	6,685,000
iShares S&P 500 Growth ETF <sup>1</sup>	50,000	3,000,000
iShares S&P 500 Value ETF	50,000	5,329,500
iShares S&P Mid-Cap 400 Growth ETF <sup>2</sup>	50,000	3,196,000
iShares S&P Mid-Cap 400 Value ETF <sup>3</sup>	50,000	3,643,000



Fund	Shares Per Creation Unit	Approximate Value Per Creation Unit (U.S.\$)
iShares S&P Small-Cap 600 Growth ETF <sup>4</sup>	50,000	4,737,000
iShares S&P Small-Cap 600 Value ETF <sup>5</sup>	50,000	3,327,000
iShares U.S. Aerospace & Defense ETF <sup>6</sup>	50,000	4,830,000
iShares U.S. Broker-Dealers & Securities Exchanges ETF	50,000	2,875,500
iShares U.S. Healthcare Providers ETF	50,000	9,499,000
iShares U.S. Home Construction ETF	50,000	1,824,000
iShares U.S. Infrastructure ETF	50,000	1,121,500
iShares U.S. Insurance ETF	50,000	2,591,500
iShares U.S. Medical Devices ETF	50,000	12,863,500
iShares U.S. Oil & Gas Exploration & Production ETF	50,000	1,680,000
iShares U.S. Oil Equipment & Services ETF	50,000	391,500
iShares U.S. Pharmaceuticals ETF	50,000	7,618,500
iShares U.S. Real Estate ETF	50,000	3,803,000
iShares U.S. Regional Banks ETF	50,000	1,682,500
iShares U.S. Telecommunications ETF	50,000	1,361,000

<sup>1</sup> The approximate value per creation unit for the iShares S&P 500 Growth ETF is as of October 19, 2020.

<sup>2</sup> The approximate value per creation unit for the iShares S&P Mid-Cap 400 Growth ETF is as of October 19, 2020.

<sup>3</sup> The approximate value per creation unit for the iShares S&P Mid-Cap 400 Value ETF is as of October 19, 2020.

<sup>4</sup> The approximate value per creation unit for the iShares S&P Small-Cap 600 Growth ETF is as of October 19, 2020.

<sup>5</sup> The approximate value per creation unit for the iShares S&P Small-Cap 600 Value ETF is as of October 19, 2020.

<sup>6</sup> The approximate value per creation unit for the iShares Russell Mid-Cap Growth ETF and iShares U.S. Aerospace & Defense ETF is as of December 7, 2020.

In its discretion, the Trust reserves the right to increase or decrease the number of a Fund's shares that constitute a Creation Unit. The Board reserves the right to declare a split or a consolidation in the number of shares outstanding of any Fund, and to make a corresponding change in the number of shares constituting a Creation Unit, in the event that the per share price in the secondary market rises (or declines) to an amount that falls outside the range deemed desirable by the Board.

A "Business Day" with respect to each Fund is any day the Fund is open for business, including any day when it satisfies redemption requests as required by Section 22(e) of the 1940 Act. Each Fund is open for business any day on which the Listing Exchange on which the Fund is listed for trading is open for business. As of the date of this SAI, each Listing Exchange observes the following holidays, as observed: New Year's Day, Martin Luther King, Jr. Day, Presidents' Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.

**Fund Deposit.** The consideration for purchase of Creation Units of a Fund generally consists of the Deposit Securities and the Cash Component computed as described below. Together, the Deposit Securities and the Cash Component constitute the "Fund Deposit," which, when combined with the Fund's portfolio securities, is designed to generate performance that has a collective investment profile similar to that of the Underlying Index. The Fund Deposit represents the minimum initial and subsequent investment amount for a Creation Unit of any Fund. Such Fund Deposit is applicable, subject to any adjustments as described below, to purchases of Creation Units of shares of a given Fund until such time as the next-announced Fund Deposit is made available.

The "Cash Component" is an amount equal to the difference between the NAV of the shares (per Creation Unit) and the "Deposit Amount," which is an amount equal to the market value of the Deposit Securities, and serves to compensate for any differences between the NAV per Creation Unit and the Deposit Amount. Payment of any stamp duty or other similar fees and expenses payable upon transfer of beneficial ownership of the Deposit Securities are the sole responsibility of the Authorized Participant purchasing the Creation Unit.

The identity and number of shares of the Deposit Securities change pursuant to changes in the composition of a Fund's portfolio and as rebalancing adjustments and corporate action events are reflected from time to time by BFA with a view to

the investment objective of the Fund. The composition of the Deposit Securities may also change in response to adjustments to the weighting or composition of the component securities constituting the relevant Underlying Index.

The Fund Deposit may also be modified to minimize the Cash Component by redistributing the cash to the Deposit Securities portion of the Fund Deposit through “systematic rounding.” The rounding methodology “rounds up” position sizes of securities in the Deposit Securities (which in turn reduces the cash portion). However, the methodology limits the maximum allowed percentage change in weight and share quantity of any given security in the Fund Deposit.

Fund Deposits may also be modified to position a fund towards a forward index rebalance to reflect revisions that account for index additions, deletions, and re-weights.

The Trust may, in its sole discretion, substitute a “cash in lieu” amount to be added to the Cash Component to replace any Deposit Security in certain circumstances, including: (i) when instruments are not available in sufficient quantity for delivery; (ii) when instruments are not eligible for transfer through DTC or the clearing process (as discussed below); (iii) when instruments that the Authorized Participant (or an investor on whose behalf the Authorized Participant is acting) are not able to be traded due to a trading restriction; (iv) when delivery of the Deposit Security by the Authorized Participant (or by an investor on whose behalf the Authorized Participant is acting) would be restricted under applicable securities or other local laws; (v) in connection with distribution payments to be made by a Fund; or (vi) in certain other situations.

**Cash Purchase Method.** Although the Trust does not generally permit partial or full cash purchases of Creation Units of its funds, when partial or full cash purchases of Creation Units are available or specified for a Fund, they will be effected in essentially the same manner as in-kind purchases thereof. In the case of a partial or full cash purchase, the Authorized Participant must pay the cash equivalent of the Deposit Securities it would otherwise be required to provide through an in-kind purchase, plus the same Cash Component required to be paid by an in-kind purchaser.

**Procedures for Creation of Creation Units.** To be eligible to place orders with the Distributor and to create a Creation Unit of the Fund, an entity must be: (i) a “Participating Party,” *i.e.*, a broker-dealer or other participant in the clearing process through the Continuous Net Settlement System of the NSCC (the “Clearing Process”), a clearing agency that is registered with the SEC, or (ii) a DTC Participant, and must have executed an agreement with the Distributor, with respect to creations and redemptions of Creation Units (“Authorized Participant Agreement”) (discussed below). A Participating Party or DTC Participant who has executed an Authorized Participant Agreement is referred to as an “Authorized Participant.” All shares of the Fund, however created, will be entered on the records of DTC in the name of Cede & Co. for the account of a DTC Participant.

**Role of the Authorized Participant.** Creation Units may be purchased only by or through a member or participant of a clearing agency registered with the SEC, which has a written agreement with the Funds or one of their service providers that allows such member or participant to place orders for the purchase and redemption of Creation Units (an “Authorized Participant”). Such Authorized Participant will agree, pursuant to the terms of such Authorized Participant Agreement and on behalf of itself or any investor on whose behalf it will act, to certain conditions, including that such Authorized Participant will make available in advance of each purchase of shares an amount of cash sufficient to pay the Cash Component, once the net asset value of a Creation Unit is next determined after receipt of the purchase order in proper form, together with the transaction fees described below. An Authorized Participant, acting on behalf of an investor, may require the investor to enter into an agreement with such Authorized Participant with respect to certain matters, including payment of the Cash Component. Investors who are not Authorized Participants must make appropriate arrangements with an Authorized Participant. Investors should be aware that their particular broker may not be a DTC Participant or may not have executed an Authorized Participant Agreement and that orders to purchase Creation Units may have to be placed by the investor’s broker through an Authorized Participant. As a result, purchase orders placed through an Authorized Participant may result in additional charges to such investor. The Trust does not expect to enter into an Authorized Participant Agreement with more than a small number of DTC Participants. A list of current Authorized Participants may be obtained from the Distributor. The Distributor has adopted guidelines regarding Authorized Participants’ transactions in Creation Units that are made available to all Authorized Participants. These guidelines set forth the processes and standards for Authorized Participants to transact with the Distributor and its agents in connection with creation and redemption transactions. In addition, the Distributor may be appointed as the proxy of the Authorized Participant and may be granted a power of attorney under its Authorized Participant Agreement.

**Purchase Orders.** To initiate an order for a Creation Unit, an Authorized Participant must submit to the Distributor or its agent an irrevocable order to purchase shares of a Fund, in proper form, generally before 4:00 p.m., Eastern time on any Business Day to receive that day's NAV. The Distributor or its agent will notify BFA and the custodian of such order. The custodian will then provide such information to any appropriate sub-custodian. Procedures and requirements governing the delivery of the Fund Deposit are set forth in the procedures handbook for Authorized Participants and may change from time to time. Investors, other than Authorized Participants, are responsible for making arrangements for a creation request to be made through an Authorized Participant. The Distributor or its agent will provide a list of current Authorized Participants upon request. Those placing orders to purchase Creation Units through an Authorized Participant should allow sufficient time to permit proper submission of the purchase order to the Distributor or its agent by the Cutoff Time (as defined below) on such Business Day.

The Authorized Participant must also make available on or before the contractual settlement date, by means satisfactory to the Funds, immediately available or same day funds estimated by the Funds to be sufficient to pay the Cash Component next determined after acceptance of the purchase order, together with the applicable purchase transaction fees. Those placing orders should ascertain the applicable deadline for cash transfers by contacting the operations department of the broker or depository institution effectuating the transfer of the Cash Component. This deadline is likely to be significantly earlier than the Cutoff Time of the Funds. Investors should be aware that an Authorized Participant may require orders for purchases of shares placed with it to be in the particular form required by the individual Authorized Participant.

The Authorized Participant is responsible for any and all expenses and costs incurred by a Fund, including any applicable cash amounts, in connection with any purchase order.

**Timing of Submission of Purchase Orders.** An Authorized Participant must submit an irrevocable order to purchase shares of a Fund generally before 4:00 p.m., Eastern time on any Business Day in order to receive that day's NAV. Creation Orders must be transmitted by an Authorized Participant in the form required by the Funds to the Distributor or its agent pursuant to procedures set forth in the Authorized Participant Agreement. Economic or market disruptions or changes, or telephone or other communication failure, may impede the ability to reach the Distributor or its agent or an Authorized Participant. Orders to create shares of a Fund that are submitted on the Business Day immediately preceding a holiday or a day (other than a weekend) when the equity markets in the relevant non-U.S. market are closed may not be accepted. Each Fund's deadline specified above for the submission of purchase orders is referred to as that Fund's "Cutoff Time." The Distributor or its agent, in their discretion, may permit the submission of such orders and requests by or through an Authorized Participant at any time (including on days on which the Listing Exchange is not open for business) via communication through the facilities of the Distributor's or its agent's proprietary website maintained for this purpose. Purchase orders and redemption requests, if accepted by the Trust, will be processed based on the NAV next determined after such acceptance in accordance with a Fund's Cutoff Times as provided in the Authorized Participant Agreement and disclosed in this SAI.

**Acceptance of Orders for Creation Units.** Subject to the conditions that (i) an irrevocable purchase order has been submitted by the Authorized Participant (either on its own or another investor's behalf) and (ii) arrangements satisfactory to the Funds are in place for payment of the Cash Component and any other cash amounts which may be due, the Funds will accept the order, subject to each Fund's right (and the right of the Distributor and BFA) to reject any order until acceptance, as set forth below.

Once a Fund has accepted an order, upon the next determination of the net asset value of the shares, the Fund will confirm the issuance of a Creation Unit, against receipt of payment, at such net asset value. The Distributor or its agent will then transmit a confirmation of acceptance to the Authorized Participant that placed the order.

Each Fund reserves the absolute right to reject or revoke a creation order transmitted to it by the Distributor or its agent if (i) the order is not in proper form; (ii) the investor(s), upon obtaining the shares ordered, would own 80% or more of the currently outstanding shares of the Fund; (iii) the Deposit Securities delivered do not conform to the identity and number of shares specified, as described above; (iv) acceptance of the Deposit Securities would have certain adverse tax consequences to the Fund; (v) acceptance of the Fund Deposit would, in the opinion of counsel, be unlawful; (vi) acceptance of the Fund Deposit would, in the discretion of the Fund or BFA, have an adverse effect on the Fund or the rights of beneficial owners; or (vii) circumstances outside the control of the Fund, the Distributor or its agent and BFA make it impracticable to process purchase orders. The Distributor or its agent shall notify a prospective purchaser of a Creation Unit and/or the Authorized Participant acting on behalf of such purchaser of its rejection of such order. The Funds, State Street, the sub-custodian and

the Distributor or its agent are under no duty, however, to give notification of any defects or irregularities in the delivery of Fund Deposits nor shall any of them incur any liability for failure to give such notification.

**Issuance of a Creation Unit.** Except as provided herein, a Creation Unit will not be issued until the transfer of good title to the applicable Fund of the Deposit Securities and the payment of the Cash Component have been completed. When the sub-custodian has confirmed to the custodian that the securities included in the Fund Deposit (or the cash value thereof) have been delivered to the account of the relevant sub-custodian or sub-custodians, the Distributor or its agent and BFA shall be notified of such delivery and the applicable Fund will issue and cause the delivery of the Creation Unit. Creation Units are generally issued on a “T+2 basis” (*i.e.*, two Business Days after trade date). However, each Fund reserves the right to settle Creation Unit transactions on a basis other than T+2, including a shorter settlement period, if necessary or appropriate under the circumstances and compliant with applicable law. For example, each Fund reserves the right to settle Creation Unit transactions on a basis other than T+2, in order to accommodate non-U.S. market holiday schedules, to account for different treatment among non-U.S. and U.S. markets of dividend record dates and ex-dividend dates (*i.e.*, the last day the holder of a security can sell the security and still receive dividends payable on the security) and in certain other circumstances.

To the extent contemplated by an Authorized Participant Agreement with the Distributor, each Fund will issue Creation Units to such Authorized Participant, notwithstanding the fact that the corresponding Fund Deposits have not been received in part or in whole, in reliance on the undertaking of the Authorized Participant to deliver the missing Deposit Securities as soon as possible, which undertaking shall be secured by such Authorized Participant’s delivery and maintenance of collateral as set forth in the handbook for Authorized Participants. The Trust may use such collateral at any time to buy Deposit Securities for the Funds. Such collateral must be delivered no later than the time specified by a Fund or its custodian on the contractual settlement date. Information concerning the Funds’ current procedures for collateralization of missing Deposit Securities is available from the Distributor or its agent. The Authorized Participant Agreement will permit the Funds to buy the missing Deposit Securities at any time and will subject the Authorized Participant to liability for any shortfall between the cost to the Funds of purchasing such securities and the collateral including, without limitation, liability for related brokerage, borrowings and other charges.

In certain cases, Authorized Participants may create and redeem Creation Units on the same trade date and in these instances, the Funds reserve the right to settle these transactions on a net basis or require a representation from the Authorized Participants that the creation and redemption transactions are for separate beneficial owners. All questions as to the number of shares of each security in the Deposit Securities and the validity, form, eligibility and acceptance for deposit of any securities to be delivered shall be determined by each Fund and the Fund’s determination shall be final and binding.

**Costs Associated with Creation Transactions.** A standard creation transaction fee is imposed to offset the transfer and other transaction costs associated with the issuance of Creation Units. The standard creation transaction fee is charged to the Authorized Participant on the day such Authorized Participant creates a Creation Unit, and is the same, regardless of the number of Creation Units purchased by the Authorized Participant on the applicable Business Day. If a purchase consists solely or partially of cash, the Authorized Participant may also be required to cover (up to the maximum amount shown below) certain brokerage, tax, foreign exchange, execution, price movement and other costs and expenses related to the execution of trades resulting from such transaction (which may, in certain instances, be based on a good faith estimate of transaction costs). Authorized Participants will also bear the costs of transferring the Deposit Securities to the Funds. Certain fees/costs associated with creation transactions may be waived in certain circumstances. Investors who use the services of a broker or other financial intermediary to acquire Fund shares may be charged a fee for such services.

The following table sets forth each Fund’s standard creation transaction fees and maximum additional charge (as described above):

<u>Fund</u>	<u>Standard Creation Transaction Fee</u>	<u>Maximum Additional Charge for Creations<sup>1</sup></u>
iShares Core S&P 500 ETF	\$1,250	3.0%
iShares Core S&P Mid-Cap ETF	1,000	3.0%
iShares Core S&P Small-Cap ETF	1,500	3.0%
iShares Core S&P Total U.S. Stock Market ETF	3,000	3.0%
iShares Core S&P U.S. Growth ETF	3,000	3.0%
iShares Core S&P U.S. Value ETF	3,000	3.0%

Fund	Standard Creation Transaction Fee	Maximum Additional Charge for Creations <sup>1</sup>
iShares Europe ETF	10,000	3.0%
iShares Expanded Tech Sector ETF	650	3.0%
iShares Expanded Tech-Software Sector ETF	250	3.0%
iShares Factors US Blend Style ETF	600	3.0%
iShares Factors US Growth Style ETF	400	3.0%
iShares Factors US Mid Blend Style ETF	800	3.0%
iShares Factors US Small Blend Style ETF	1,650	3.0%
iShares Factors US Value Style ETF	475	3.0%
iShares Focused Value Factor ETF	150	3.0%
iShares Global Consumer Staples ETF	1,800	3.0%
iShares Global Energy ETF	600	7.0%
iShares Global Financials ETF	4,000	7.0%
iShares Global Industrials ETF	2,200	7.0%
iShares Global Infrastructure ETF	1,600	7.0%
iShares Global Utilities ETF	1,600	7.0%
iShares International Developed Property ETF	4,500	7.0%
iShares International Preferred Stock ETF	700	3.0%
iShares JPX-Nikkei 400 ETF	3,000	3.0%
iShares Micro-Cap ETF	3,000	3.0%
iShares Mortgage Real Estate ETF	250	3.0%
iShares Nasdaq Biotechnology ETF	300	3.0%
iShares North American Natural Resources ETF	500	3.0%
iShares North American Tech-Multimedia Networking ETF	250	3.0%
iShares PHLX Semiconductor ETF	250	3.0%
iShares Preferred and Income Securities ETF	750	3.0%
iShares Residential and Multisector Real Estate ETF	250	3.0%
iShares Russell 1000 ETF	2,500	3.0%
iShares Russell 1000 Growth ETF	1,450	3.0%
iShares Russell 1000 Pure U.S. Revenue ETF	1,200	3.0%
iShares Russell 1000 Value ETF	1,750	3.0%
iShares Russell 2000 ETF	3,000	3.0%
iShares Russell 2000 Growth ETF	2,800	3.0%
iShares Russell 2000 Value ETF	3,000	3.0%
iShares Russell 3000 ETF	3,000	3.0%
iShares Russell Mid-Cap ETF	2,000	3.0%
iShares Russell Mid-Cap Growth ETF	1,150	3.0%
iShares Russell Mid-Cap Value ETF	1,400	3.0%
iShares Russell Top 200 ETF	500	3.0%
iShares Russell Top 200 Growth ETF	300	3.0%
iShares Russell Top 200 Value ETF	300	3.0%
iShares S&P 100 ETF	250	3.0%
iShares S&P 500 Growth ETF	700	3.0%
iShares S&P 500 Value ETF	900	3.0%
iShares S&P Mid-Cap 400 Growth ETF	550	3.0%
iShares S&P Mid-Cap 400 Value ETF	700	3.0%
iShares S&P Small-Cap 600 Growth ETF	900	3.0%
iShares S&P Small-Cap 600 Value ETF	1,100	3.0%
iShares U.S. Aerospace & Defense ETF	250	3.0%
iShares U.S. Broker-Dealers & Securities Exchanges ETF	250	3.0%
iShares U.S. Healthcare Providers ETF	250	3.0%
iShares U.S. Home Construction ETF	250	3.0%
iShares U.S. Infrastructure ETF	475	3.0%



Fund	Standard Creation Transaction Fee	Maximum Additional Charge for Creations <sup>1</sup>
iShares U.S. Insurance ETF	250	3.0%
iShares U.S. Medical Devices ETF	250	3.0%
iShares U.S. Oil & Gas Exploration & Production ETF	250	3.0%
iShares U.S. Oil Equipment & Services ETF	250	3.0%
iShares U.S. Pharmaceuticals ETF	250	3.0%
iShares U.S. Real Estate ETF	250	3.0%
iShares U.S. Regional Banks ETF	250	3.0%
iShares U.S. Telecommunications ETF	250	3.0%

<sup>1</sup> As a percentage of the net asset value per Creation Unit.

**Redemption of iShares Russell 2000 ETF During Certain Market Conditions.** By submitting a redemption request, an Authorized Participant is deemed to represent to the Trust, consistent with the Authorized Participant Agreement, that (1) it has the requisite number of shares to deliver to the Trust to satisfy the redemption request, (2) such shares have not been loaned or pledged to any other party and are free and clear of any liens and encumbrances, and (3) it will not lend, hypothecate or otherwise encumber the shares after the submission of the redemption request. These deemed representations are subject to verification under certain circumstances with respect to the iShares Russell 2000 ETF. Specifically, if an Authorized Participant submits a redemption request with respect to the iShares Russell 2000 ETF on a Business Day on which the Trust determines, based on information available to the Trust on such Business Day, that (i) the short interest of the Fund in the marketplace is greater than or equal to 150% and (ii) the orders in the aggregate from all Authorized Participants redeeming Fund shares on such Business Day represent 25% or more of the shares outstanding of the Fund, such Authorized Participant will be required to verify to the Trust (in a form specified by the Trust) the accuracy of its deemed representations. If, after receiving notice of the verification requirement, the Authorized Participant does not verify the accuracy of its deemed representations in accordance with this requirement, its redemption request will be considered not to have been timely received in proper form.

**Redemption of Creation Units.** Shares of a Fund may be redeemed by Authorized Participants only in Creation Units at their NAV next determined after receipt of a redemption request in proper form by the Distributor or its agent and only on a Business Day. The Funds will not redeem shares in amounts less than Creation Units. There can be no assurance, however, that there will be sufficient liquidity in the secondary market at any time to permit assembly of a Creation Unit. Investors should expect to incur brokerage and other costs in connection with assembling a sufficient number of shares to constitute a Creation Unit that could be redeemed by an Authorized Participant. Beneficial owners also may sell shares in the secondary market.

Each Fund generally redeems Creation Units for Fund Securities (as defined below). Please see the *Cash Redemption Method* section below and the following discussion summarizing the in-kind method for further information on redeeming Creation Units of the Funds.

The designated portfolio of securities (including any portion of such securities for which cash may be substituted) that will be applicable (subject to possible amendment or correction) to redemption requests received in proper form (as defined below) on that day (“Fund Securities” or “Redemption Basket”), and an amount of cash (the “Cash Amount,” as described below) (each subject to possible amendment or correction) are applicable, in order to effect redemptions of Creation Units of a Fund until such time as the next announced composition of the Fund Securities and Cash Amount is made available. Fund Securities received on redemption may not be identical to Deposit Securities that are applicable to creations of Creation Units. Procedures and requirements governing redemption transactions are set forth in the handbook for Authorized Participants and may change from time to time.

Unless cash redemptions are available or specified for a Fund, the redemption proceeds for a Creation Unit generally consist of Fund Securities, plus the Cash Amount, which is an amount equal to the difference between the net asset value of the shares being redeemed, as next determined after the receipt of a redemption request in proper form, and the value of Fund Securities, less a redemption transaction fee (as described below).

The Trust may, in its sole discretion, substitute a “cash in lieu” amount to replace any Fund Security in certain circumstances, including: (i) when the delivery of a Fund Security to the Authorized Participant (or to an investor on whose behalf the



Authorized Participant is acting) would be restricted under applicable securities or other local laws or due to a trading restriction; (ii) when the delivery of a Fund Security to the Authorized Participant would result in the disposition of the Fund Security by the Authorized Participant due to restrictions under applicable securities or other local laws; (iii) when the delivery of a Fund Security to the Authorized Participant would result in unfavorable tax treatment; (iv) when a Fund Security cannot be settled or otherwise delivered in time to facilitate an in-kind redemption; or (v) in certain other situations. The amount of cash paid out in such cases will be equivalent to the value of the substituted security listed as a Fund Security. In the event that the Fund Securities have a value greater than the NAV of the shares, a compensating cash payment equal to the difference is required to be made by or through an Authorized Participant by the redeeming shareholder. Each Fund generally redeems Creation Units for Fund Securities, but each Fund reserves the right to utilize a cash option for redemption of Creation Units. Each Fund may, in its sole discretion, provide such redeeming Authorized Participant a portfolio of securities that differs from the exact composition of the Fund Securities, but does not differ in NAV. The Redemption Basket may also be modified to minimize the Cash Component by redistributing the cash to the Fund Securities portion of the Redemption Basket through systematically rounding. The rounding methodology allows position sizes of securities in the Fund Securities to be “rounded up,” while limiting the maximum allowed percentage change in weight and share quantity of any given security in the Redemption Basket. Redemption Baskets may also be modified to position a fund towards a forward index rebalance to reflect revisions that account for index additions, deletions, and re-weights.

**Cash Redemption Method.** Although the Trust does not generally permit partial or full cash redemptions of Creation Units of its funds, when partial or full cash redemptions of Creation Units are available or specified for a Fund, they will be effected in essentially the same manner as in-kind redemptions thereof. In the case of partial or full cash redemption, the Authorized Participant receives the cash equivalent of the Fund Securities it would otherwise receive through an in-kind redemption, plus the same Cash Amount to be paid to an in-kind redeemer.

**Costs Associated with Redemption Transactions.** A standard redemption transaction fee is imposed to offset transfer and other transaction costs that may be incurred by the relevant Fund. The standard redemption transaction fee is charged to the Authorized Participant on the day such Authorized Participant redeems a Creation Unit, and is the same regardless of the number of Creation Units redeemed by an Authorized Participant on the applicable Business Day. If a redemption consists solely or partially of cash, the Authorized Participant may also be required to cover (up to the maximum amount shown below) certain brokerage, tax, foreign exchange, execution, price movement and other costs and expenses related to the execution of trades resulting from such transaction (which may, in certain instances, be based on a good faith estimate of transaction costs). Authorized Participants will also bear the costs of transferring the Fund Securities from a Fund to their account on their order. Certain fees/costs associated with redemption transactions may be waived in certain circumstances. Investors who use the services of a broker or other financial intermediary to dispose of Fund shares may be charged a fee for such services.

The following table sets forth each Fund’s standard redemption transaction fees and maximum additional charge (as described above):

<u>Fund</u>	<u>Standard Redemption Transaction Fee</u>	<u>Maximum Additional Charge for Redemptions*</u>
iShares Core S&P 500 ETF	\$ 1,250	2.0%
iShares Core S&P Mid-Cap ETF	1,000	2.0%
iShares Core S&P Small-Cap ETF	1,500	2.0%
iShares Core S&P Total U.S. Stock Market ETF	3,000	2.0%
iShares Core S&P U.S. Growth ETF	3,000	2.0%
iShares Core S&P U.S. Value ETF	3,000	2.0%
iShares Europe ETF	10,000	2.0%
iShares Expanded Tech Sector ETF	650	2.0%
iShares Expanded Tech-Software Sector ETF	250	2.0%
iShares Factors US Blend Style ETF	600	2.0%
iShares Factors US Growth Style ETF	400	2.0%
iShares Factors US Mid Blend Style ETF	800	2.0%
iShares Factors US Small Blend Style ETF	1,650	2.0%
iShares Factors US Value Style ETF	475	2.0%
iShares Focused Value Factor ETF	150	2.0%

Fund	Standard Redemption Transaction Fee	Maximum Additional Charge for Redemptions*
iShares Global Consumer Staples ETF	1,800	2.0%
iShares Global Energy ETF	600	2.0%
iShares Global Financials ETF	4,000	2.0%
iShares Global Industrials ETF	2,200	2.0%
iShares Global Infrastructure ETF	1,600	2.0%
iShares Global Utilities ETF	1,600	2.0%
iShares International Developed Property ETF	4,500	2.0%
iShares International Preferred Stock ETF	700	2.0%
iShares JPX-Nikkei 400 ETF	3,000	2.0%
iShares Micro-Cap ETF	3,000	2.0%
iShares Mortgage Real Estate ETF	250	2.0%
iShares Nasdaq Biotechnology ETF	300	2.0%
iShares North American Natural Resources ETF	500	2.0%
iShares North American Tech-Multimedia Networking ETF	250	2.0%
iShares PHLX Semiconductor ETF	250	2.0%
iShares Preferred and Income Securities ETF	750	2.0%
iShares Residential and Multisector Real Estate ETF	250	2.0%
iShares Russell 1000 ETF	2,500	2.0%
iShares Russell 1000 Growth ETF	1,450	2.0%
iShares Russell 1000 Pure U.S. Revenue ETF	1,200	2.0%
iShares Russell 1000 Value ETF	1,750	2.0%
iShares Russell 2000 ETF	3,000	2.0%
iShares Russell 2000 Growth ETF	2,800	2.0%
iShares Russell 2000 Value ETF	3,000	2.0%
iShares Russell 3000 ETF	3,000	2.0%
iShares Russell Mid-Cap ETF	2,000	2.0%
iShares Russell Mid-Cap Growth ETF	1,150	2.0%
iShares Russell Mid-Cap Value ETF	1,400	2.0%
iShares Russell Top 200 ETF	500	2.0%
iShares Russell Top 200 Growth ETF	300	2.0%
iShares Russell Top 200 Value ETF	300	2.0%
iShares S&P 100 ETF	250	2.0%
iShares S&P 500 Growth ETF	700	2.0%
iShares S&P 500 Value ETF	900	2.0%
iShares S&P Mid-Cap 400 Growth ETF	550	2.0%
iShares S&P Mid-Cap 400 Value ETF	700	2.0%
iShares S&P Small-Cap 600 Growth ETF	900	2.0%
iShares S&P Small-Cap 600 Value ETF	1,100	2.0%
iShares U.S. Aerospace & Defense ETF	250	2.0%
iShares U.S. Broker-Dealers & Securities Exchanges ETF	250	2.0%
iShares U.S. Healthcare Providers ETF	250	2.0%
iShares U.S. Home Construction ETF	250	2.0%
iShares U.S. Infrastructure ETF	475	2.0%
iShares U.S. Insurance ETF	250	2.0%
iShares U.S. Medical Devices ETF	250	2.0%
iShares U.S. Oil & Gas Exploration & Production ETF	250	2.0%
iShares U.S. Oil Equipment & Services ETF	250	2.0%
iShares U.S. Pharmaceuticals ETF	250	2.0%
iShares U.S. Real Estate ETF	250	2.0%
iShares U.S. Regional Banks ETF	250	2.0%

Fund	Standard Redemption Transaction Fee	Maximum Additional Charge for Redemptions*
iShares U.S. Telecommunications ETF	250	2.0%

\* As a percentage of the net asset value per Creation Unit, inclusive of the standard redemption transaction fee.

**Placement of Redemption Orders.** Redemption requests for Creation Units of the Funds must be submitted to the Distributor or its agent by or through an Authorized Participant. An Authorized Participant must submit an irrevocable request to redeem shares of a Fund generally before 4:00 p.m., Eastern time on any Business Day in order to receive that day's NAV. On days when the Listing Exchange closes earlier than normal, a Fund may require orders to redeem Creation Units to be placed earlier that day. Investors, other than Authorized Participants, are responsible for making arrangements for a redemption request to be made through an Authorized Participant. The Distributor or its agent will provide a list of current Authorized Participants upon request.

The Authorized Participant must transmit the request for redemption in the form required by the Funds to the Distributor or its agent in accordance with procedures set forth in the Authorized Participant Agreement. Investors should be aware that their particular broker may not have executed an Authorized Participant Agreement and that, therefore, requests to redeem Creation Units may have to be placed by the investor's broker through an Authorized Participant who has executed an Authorized Participant Agreement. At any time, only a limited number of broker-dealers will have an Authorized Participant Agreement in effect. Investors making a redemption request should be aware that such request must be in the form specified by such Authorized Participant. Investors making a request to redeem Creation Units should allow sufficient time to permit proper submission of the request by an Authorized Participant and transfer of the shares to the Funds' transfer agent; such investors should allow for the additional time that may be required to effect redemptions through their banks, brokers or other financial intermediaries if such intermediaries are not Authorized Participants.

A redemption request is considered to be in "proper form" if: (i) an Authorized Participant has transferred or caused to be transferred to the Funds' transfer agent the Creation Unit redeemed through the book-entry system of DTC so as to be effective by the Listing Exchange closing time on any Business Day on which the redemption request is submitted; (ii) a request in form satisfactory to the applicable Fund is received by the Distributor or its agent from the Authorized Participant on behalf of itself or another redeeming investor within the time periods specified above; and (iii) all other procedures set forth in the Authorized Participant Agreement are properly followed.

Upon receiving a redemption request, the Distributor or its agent shall notify the applicable Fund and the Fund's transfer agent of such redemption request. The tender of an investor's shares for redemption and the distribution of the securities and/or cash included in the redemption payment made in respect of Creation Units redeemed will be made through DTC and the relevant Authorized Participant to the Beneficial Owner thereof as recorded on the book-entry system of DTC or the DTC Participant through which such investor holds, as the case may be, or by such other means specified by the Authorized Participant submitting the redemption request.

A redeeming Authorized Participant, whether on its own account or acting on behalf of a Beneficial Owner, must maintain appropriate security arrangements with a qualified broker-dealer, bank or other custody providers in each jurisdiction in which any of the portfolio securities are customarily traded, to which account such portfolio securities will be delivered.

Deliveries of redemption proceeds are generally made within two Business Days (*i.e.*, "T+2"). However, each Fund reserves the right to settle deliveries of redemption proceeds on a basis other than T+2, including a shorter settlement period, if necessary or appropriate under the circumstances and compliance with applicable law. For example, certain Funds reserve the right to settle redemption transactions on a basis other than T+2 to accommodate non-U.S. market holiday schedules, to account for different treatment among non-U.S. and U.S. markets of dividend record dates and dividend ex-dates (*i.e.*, the last date the holder of a security can sell the security and still receive dividends payable on the security sold) and in certain other circumstances consistent with applicable law.

If neither the redeeming Beneficial Owner nor the Authorized Participant acting on behalf of such redeeming Beneficial Owner has appropriate arrangements to take delivery of Fund Securities in the applicable non-U.S. jurisdiction and it is not possible to make other such arrangements, or if it is not possible to effect deliveries of Fund Securities in such jurisdiction, a Fund may in its discretion exercise its option to redeem such shares in cash, and the redeeming Beneficial Owner will be required to receive its redemption proceeds in cash. In such case, the investor will receive a cash payment equal to the net

asset value of its shares based on the NAV of the relevant Fund next determined after the redemption request is received in proper form (minus a redemption transaction fee and additional charges specified above to offset the Fund's brokerage and other transaction costs associated with the disposition of Fund Securities). Redemptions of shares for Fund Securities will be subject to compliance with applicable U.S. federal and state securities laws and each Fund (whether or not it otherwise permits cash redemptions) reserves the right to redeem Creation Units for cash to the extent that the Fund cannot lawfully deliver specific Fund Securities upon redemptions or cannot do so without first registering the Fund Securities under such laws.

Although the Trust does not ordinarily permit cash redemptions of Creation Units, in the event that cash redemptions are permitted or required by the Trust, proceeds will be paid to the Authorized Participant redeeming shares as soon as practicable after the date of redemption (within seven calendar days thereafter). If a Fund includes a foreign investment in its basket, and if a local market holiday, or series of consecutive holidays, or the extended delivery cycles for transferring foreign investments to redeeming Authorized Participants prevents timely delivery of the foreign investment in response to a redemption request, the Fund may delay delivery of the foreign investment more than seven days if the Fund delivers the foreign investment as soon as practicable, but in no event later than 15 days.

To the extent contemplated by an Authorized Participant's agreement with the Distributor or its agent, in the event an Authorized Participant has submitted a redemption request in proper form but is unable to transfer all or part of the Creation Unit to be redeemed to a Fund, at or prior to the time specified by a Fund or its custodian on the Business Day after the date of submission of such redemption request, the Distributor or its agent will accept the redemption request in reliance on the undertaking by the Authorized Participant to deliver the missing shares as soon as possible. Such undertaking shall be secured by the Authorized Participant's delivery and maintenance of collateral as set forth in the handbook for Authorized Participants. Such collateral must be delivered no later than the time specified by a Fund or its custodian on the Business Day after the date of submission of such redemption request and shall be held by State Street and marked-to-market daily. The fees of State Street and any sub-custodians in respect of the delivery, maintenance and redelivery of the collateral shall be payable by the Authorized Participant. The Authorized Participant Agreement permits the Funds to acquire shares of the Funds at any time and subjects the Authorized Participant to liability for any shortfall between the aggregate of the cost to the Funds of purchasing such shares, plus the value of the Cash Amount, and the value of the collateral together with liability for related brokerage and other charges.

Because the portfolio securities of a Fund may trade on exchange(s) on days that the Listing Exchange is closed or are otherwise not Business Days for such Fund, shareholders may not be able to redeem their shares of such Fund, or purchase or sell shares of such Fund on the Listing Exchange on days when the NAV of such a Fund could be significantly affected by events in the relevant non-U.S. markets.

The right of redemption may be suspended or the date of payment postponed with respect to any Fund: (i) for any period during which the applicable Listing Exchange is closed (other than customary weekend and holiday closings); (ii) for any period during which trading on the applicable Listing Exchange is suspended or restricted; (iii) for any period during which an emergency exists as a result of which disposal of the shares of the Fund's portfolio securities or determination of its net asset value is not reasonably practicable; or (iv) in such other circumstance as is permitted by the SEC.

**Custom Baskets.** Creation and Redemption baskets may differ and each Fund may accept "custom baskets." A custom basket may include any of the following: (i) a basket that is composed of a non-representative selection of a Fund's portfolio holdings; (ii) a representative basket that is different from the initial basket used in transactions on the same business day; or (iii) a basket that contains bespoke cash substitutions for a single Authorized Participant. Each Fund has adopted policies and procedures that govern the construction and acceptance of baskets, including heightened requirements for certain types of custom baskets. Such policies and procedures provide the parameters for the construction and acceptance of custom baskets that are in the best interests of a Fund and its shareholders, establish processes for revisions to, or deviations from, such parameters, and specify the titles and roles of the employees of BFA who are required to review each custom basket for compliance with those parameters. In addition, when constructing custom baskets for redemptions, the tax efficiency of a Fund may be taken into account. The policies and procedures distinguish among different types of custom baskets that may be used and impose different requirements for different types of custom baskets in order to seek to mitigate against potential risks of conflicts and/or overreaching by an Authorized Participant. BlackRock has established a governance process to oversee basket compliance for the Funds, as set forth in each Fund's policies and procedures.

**Taxation on Creations and Redemptions of Creation Units.** An Authorized Participant generally will recognize either gain or loss upon the exchange of Deposit Securities for Creation Units. This gain or loss is calculated by taking the market value of the Creation Units purchased over the Authorized Participant's aggregate basis in the Deposit Securities exchanged therefor. However, the IRS may apply the wash sales rules to determine that any loss realized upon the exchange of Deposit Securities for Creation Units is not currently deductible. Authorized Participants should consult their own tax advisors.

Current U.S. federal income tax laws dictate that capital gain or loss realized from the redemption of Creation Units will generally create long-term capital gain or loss if the Authorized Participant holds the Creation Units for more than one year, or short-term capital gain or loss if the Creation Units were held for one year or less, if the Creation Units are held as capital assets.

## Taxes

The following is a summary of certain material U.S. federal income tax considerations regarding the purchase, ownership and disposition of shares of a Fund. This summary does not address all of the potential U.S. federal income tax consequences that may be applicable to a Fund or to all categories of investors, some of which may be subject to special tax rules. Current and prospective shareholders are urged to consult their own tax advisors with respect to the specific U.S. federal, state, local and non-U.S. tax consequences of investing in a Fund. The summary is based on the laws and judicial and administrative interpretations thereof in effect on the date of this SAI, all of which are subject to change, possibly with retroactive effect.

**Regulated Investment Company Qualifications.** Each Fund intends to continue to qualify for treatment as a separate RIC under Subchapter M of the Internal Revenue Code. To qualify for treatment as a RIC, each Fund must annually distribute at least 90% of its investment company taxable income (which includes dividends, interest and net short-term capital gains) and meet several other requirements. Among such other requirements are the following: (i) at least 90% of each Fund's annual gross income must be derived from dividends, interest, payments with respect to securities loans, gains from the sale or other disposition of stock or securities or non-U.S. currencies, other income (including, but not limited to, gains from options, futures or forward contracts) derived with respect to its business of investing in such stock, securities or currencies, and net income derived from interests in 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 at least 90% of their income from interest, dividends, capital gains and other traditionally permitted RIC income); and (ii) at the close of each quarter of each Fund's taxable year, (a) at least 50% of the market value of each Fund's total assets must be represented by cash and cash items, U.S. government securities, securities of other RICs and other securities, with such other securities limited for purposes of this calculation in respect of any one issuer to an amount not greater than 5% of the value of the Fund's assets and not greater than 10% of the outstanding voting securities of such issuer, and (b) not more than 25% of the value of each Fund's total assets may be invested in the securities (other than U.S. government securities or the securities of other RICs) of any one issuer, of two or more issuers of which 20% or more of the voting stock is held by the Fund and that are engaged in the same or similar trades or businesses or related trades or businesses, or the securities of one or more qualified publicly-traded partnerships.

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 and/or by disposing of certain assets. If, in any taxable year, a Fund fails one of these tests and does not timely cure the failure, that Fund will be taxed in the same manner as an ordinary corporation and distributions to its shareholders will not be deductible by that Fund in computing its taxable income.

Although, in general, the passive loss rules of the Internal Revenue Code do not apply to RICs, such rules do apply to a RIC with respect to items attributable to interests in qualified publicly-traded partnerships. 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.

**Taxation of RICs.** As a RIC, a Fund will not be subject to U.S. federal income tax on the portion of its taxable investment income and capital gains that it distributes to its shareholders, provided that it satisfies a minimum distribution requirement. To satisfy the minimum distribution requirement, a Fund must distribute to its shareholders at least the sum of (i) 90% of its "investment company taxable income" (*i.e.*, income other than its net realized long-term capital gain over its net realized short-term capital loss), plus or minus certain adjustments, and (ii) 90% of its net tax-exempt income for the taxable year. A



Fund will be subject to income tax at regular corporate rates on any taxable income or gains that it does not distribute to its shareholders. If a Fund fails to qualify for any taxable year as a RIC or fails to meet the distribution requirement, all of its taxable income will be subject to tax at regular corporate income tax rates without any deduction for distributions to shareholders, and such distributions generally will be taxable to shareholders as ordinary dividends to the extent of the Fund's current and accumulated earnings and profits. In such event, distributions to individuals should be eligible to be treated as qualified dividend income and distributions to corporate shareholders generally should be eligible for the dividends received deduction. Although each Fund intends to distribute substantially all of its net investment income and its capital gains for each taxable year, each Fund will be subject to U.S. federal income taxation to the extent any such income or gains are not distributed. If a Fund fails to qualify as a RIC in any year, it must pay out its earnings and profits accumulated in that year in order to qualify again as a RIC. If a Fund fails to qualify as a RIC for a period greater than two taxable years, the Fund may be required to recognize any net built-in gains with respect to certain of its assets (*i.e.*, the excess of the aggregate gains, including items of income, over aggregate losses that would have been realized with respect to such assets if the Fund had been liquidated) if it qualifies as a RIC in a subsequent year.

**Excise Tax.** A Fund will be subject to a 4% excise tax on certain undistributed income if it does not distribute to its shareholders in each calendar year at least 98% of its ordinary income for the calendar year plus at least 98.2% of its capital gain net income for the 12 months ended October 31 of such year. For this purpose, however, any ordinary income or capital gain net income retained by a Fund that is subject to corporate income tax will be considered to have been distributed by year-end. In addition, the minimum amounts that must be distributed in any year to avoid the excise tax will be increased or decreased to reflect any underdistribution or overdistribution, as the case may be, from the previous year. Each Fund intends to declare and distribute dividends and distributions in the amounts and at the times necessary to avoid the application of this 4% excise tax.

**Net Capital Loss Carryforwards.** Net capital loss carryforwards may be applied against any net realized capital gains in each succeeding year, until they have been reduced to zero.

In the event that a Fund were to experience an ownership change as defined under the Internal Revenue Code, the loss carryforwards and other favorable tax attributes of a Fund, if any, may be subject to limitation.

The following Funds had net capital loss carryforwards, as set forth in the table below, as of March 31, 2020, the tax year-end for the Funds:

<u>Fund</u>	<u>Non-Expiring Capital Loss Carryforward</u>
iShares Core S&P 500 ETF	\$ 634,578,764
iShares Core S&P Mid-Cap ETF	1,516,049,353
iShares Core S&P Small-Cap ETF	1,203,230,804
iShares Core S&P Total U.S. Stock Market ETF	170,767,501
iShares Core S&P U.S. Growth ETF	236,982,442
iShares Core S&P U.S. Value ETF	116,887,568
iShares Europe ETF	247,834,032
iShares Expanded Tech Sector ETF	6,231,337
iShares Expanded Tech-Software Sector ETF	6,303,205
iShares Factors US Growth Style ETF	35,927
iShares Factors US Value Style ETF	33,578
iShares Focused Value Factor ETF	338,591
iShares Global Consumer Staples ETF	9,433,515
iShares Global Energy ETF	127,386,605
iShares Global Financials ETF	48,803,263
iShares Global Industrials ETF	16,778,402
iShares Global Infrastructure ETF	151,587,611
iShares Global Utilities ETF	30,869,715



<u>Fund</u>	<u>Non-Expiring Capital Loss Carryforward</u>
iShares International Developed Property ETF	23,371,231
iShares International Preferred Stock ETF	16,400,937
iShares JPX-Nikkei 400 ETF	19,088,125
iShares Micro-Cap ETF	118,564,283
iShares Mortgage Real Estate ETF	34,673,289
iShares Residential and Multisector Real Estate ETF	5,018,968
iShares Nasdaq Biotechnology ETF	655,756,812
iShares North American Natural Resources ETF	403,483,832
iShares North American Tech- Multimedia Networking ETF	65,329,897
iShares PHLX Semiconductor ETF	27,906,577
iShares Preferred and Income Securities ETF	1,459,136,860
iShares Russell 1000 ETF	122,396,042
iShares Russell 1000 Growth ETF	706,979,434
iShares Russell 1000 Pure U.S. Revenue ETF	67,120
iShares Russell 1000 Value ETF	453,749,616
iShares Russell 2000 ETF	5,130,624,101
iShares Russell 2000 Growth ETF	891,849,139
iShares Russell 2000 Value ETF	480,512,762
iShares Russell 3000 ETF	39,413,905
iShares Russell Mid-Cap ETF	148,780,438
iShares Russell Mid-Cap Growth ETF	301,752,321
iShares Russell Mid-Cap Value ETF	230,157,067
iShares Russell Top 200 ETF	2,277,125
iShares Russell Top 200 Growth ETF	33,831,940
iShares Russell Top 200 Value ETF	1,355,111
iShares S&P 100 ETF	113,238,631
iShares S&P 500 Growth ETF	677,876,502
iShares S&P 500 Value ETF	416,249,228
iShares S&P Mid-Cap 400 Growth ETF	340,937,915
iShares S&P Mid-Cap 400 Value ETF	398,181,116
iShares S&P Small-Cap 600 Growth ETF	307,435,232
iShares S&P Small-Cap 600 Value ETF	458,791,332
iShares U.S. Aerospace & Defense ETF	196,788,244
iShares U.S. Broker-Dealers & Securities Exchanges ETF	32,126,015
iShares U.S. Healthcare Providers ETF	97,142,424
iShares U.S. Home Construction ETF	36,301,853
iShares U.S. Infrastructure ETF	29,247
iShares U.S. Insurance ETF	1,667,808
iShares U.S. Medical Devices ETF	37,052,155
iShares U.S. Oil & Gas Exploration & Production ETF	103,489,644
iShares U.S. Oil Equipment & Services ETF	202,655,454

<u>Fund</u>	<u>Non-Expiring Capital Loss Carryforward</u>
iShares U.S. Pharmaceuticals ETF	161,449,195
iShares U.S. Real Estate ETF	41,177,503
iShares U.S. Regional Banks ETF	11,593,640
iShares U.S. Telecommunications ETF	202,192,179

**Taxation of U.S. Shareholders.** Dividends and other distributions by a Fund are generally treated under the Internal Revenue Code as received by the shareholders at the time the dividend or distribution is made. However, any dividend or distribution declared by a Fund in October, November or December of any calendar year and payable to shareholders of record on a specified date in such a month shall be deemed to have been received by each shareholder on December 31 of such calendar year and to have been paid by the Fund not later than such December 31, provided such dividend is actually paid by the Fund during January of the following calendar year.

Each Fund intends to distribute annually to its shareholders substantially all of its investment company taxable income and any net realized long-term capital gains in excess of net realized short-term capital losses (including any capital loss carryovers). However, if a Fund retains for investment an amount equal to all or a portion of its net long-term capital gains in excess of its net short-term capital losses (including any capital loss carryovers), it will be subject to a corporate tax (at a flat rate of 21%) on the amount retained. In that event, the Fund will designate such retained amounts as undistributed capital gains in a notice to its shareholders who (a) will be required to include in income for U.S. federal income tax purposes, as long-term capital gains, their proportionate shares of the undistributed amount, (b) will be entitled to credit their proportionate shares of the tax paid by the Fund on the undistributed amount against their U.S. federal income tax liabilities, if any, and to claim refunds to the extent their credits exceed their liabilities, if any, and (c) will be entitled to increase their tax basis, for U.S. federal income tax purposes, in their shares by an amount equal to the excess of the amount in clause (a) over the amount in clause (b). Organizations or persons not subject to U.S. federal income tax on such capital gains will be entitled to a refund of their *pro rata* share of such taxes paid by the Fund upon filing appropriate returns or claims for refund with the IRS.

Distributions of net realized long-term capital gains, if any, that a Fund reports as capital gains dividends are taxable as long-term capital gains, whether paid in cash or in shares and regardless of how long a shareholder has held shares of the Fund. All other dividends of a Fund (including dividends from short-term capital gains) from its current and accumulated earnings and profits (“regular dividends”) are generally subject to tax as ordinary income, subject to the discussion of qualified dividend income below. Long-term capital gains are eligible for taxation at a maximum rate of 15% or 20% for non-corporate shareholders, depending on whether their income exceeds certain threshold amounts.

If an individual receives a regular dividend qualifying for the long-term capital gains rates and such dividend constitutes an “extraordinary dividend,” and the individual subsequently recognizes a loss on the sale or exchange of stock in respect of which the extraordinary dividend was paid, then the loss will be long-term capital loss to the extent of such extraordinary dividend. An “extraordinary dividend” on common stock for this purpose is generally a dividend (i) in an amount greater than or equal to 10% of the taxpayer’s tax basis (or trading value) in a share of stock, aggregating dividends with ex-dividend dates within an 85-day period, or (ii) in an amount greater than 20% of the taxpayer’s tax basis (or trading value) in a share of stock, aggregating dividends with ex-dividend dates within a 365-day period.

Distributions in excess of a Fund’s current and accumulated earnings and profits will, as to each shareholder, be treated as a tax-free return of capital to the extent of a shareholder’s basis in shares of the Fund, and as a capital gain thereafter (if the shareholder holds shares of the Fund as capital assets). Distributions in excess of the Fund’s minimum distribution requirements, but not in excess of the Fund’s earnings and profits, will be taxable to shareholders and will not constitute nontaxable returns of capital. Shareholders receiving dividends or distributions in the form of additional shares should be treated for U.S. federal income tax purposes as receiving a distribution in an amount equal to the amount of money that the shareholders receiving cash dividends or distributions will receive and should have a cost basis in the shares received equal to such amount.

A 3.8% U.S. federal Medicare contribution tax is imposed on net investment income, including, but not limited to, interest, dividends, and net gain from investments, of U.S. individuals with income exceeding \$200,000 (or \$250,000 if married and filing jointly) and of estates and trusts.

Investors considering buying shares just prior to a dividend or capital gain distribution should be aware that, although the price of shares purchased at that time may reflect the amount of the forthcoming distribution, such dividend or distribution may nevertheless be taxable to them. If a Fund is the holder of record of any security on the record date for any dividends payable with respect to such security, such dividends will be included in the Fund's gross income not as of the date received but as of the later of (a) the date such security became ex-dividend with respect to such dividends (*i.e.*, the date on which a buyer of the security would not be entitled to receive the declared, but unpaid, dividends); or (b) the date the Fund acquired such security. Accordingly, in order to satisfy its income distribution requirements, a Fund may be required to pay dividends based on anticipated earnings, and shareholders may receive dividends in an earlier year than would otherwise be the case.

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, then any net long-term or short-term capital loss) realized after October and its late-year ordinary loss (defined as the sum of (i) the excess of post-October foreign currency and passive foreign investment company ("PFIC") losses over post-October foreign currency and PFIC gains and (ii) 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.

**Sales of Shares.** Upon the sale or exchange of shares of a Fund, a shareholder will realize a taxable gain or loss equal to the difference between the amount realized and the shareholder's basis in shares of the Fund. A redemption of shares by a Fund will be treated as a sale for this purpose. Such gain or loss will be treated as capital gain or loss if the shares are capital assets in the shareholder's hands and will be long-term capital gain or loss if the shares are held for more than one year and short-term capital gain or loss if the shares are held for one year or less. Any loss realized on a sale or exchange will be disallowed to the extent the shares disposed of are replaced, including replacement through the reinvesting of dividends or capital gains distributions, or by an option or contract to acquire substantially identical shares, within a 61-day period beginning 30 days before and ending 30 days after the disposition of the shares. In such a case, the basis of the shares acquired will be increased to reflect the disallowed loss. Any loss realized by a shareholder on the sale of Fund shares held by the shareholder for six months or less will be treated for U.S. federal income tax purposes as a long-term capital loss to the extent of any distributions or deemed distributions of long-term capital gains received by the shareholder with respect to such share. The Medicare contribution tax described above will apply to the sale of Fund shares.

If a shareholder incurs a sales charge in acquiring shares of a Fund, disposes of those shares within 90 days and then, on or before January 31 of the following calendar year, acquires shares in a mutual fund for which the otherwise applicable sales charge is reduced by reason of a reinvestment right (*e.g.*, an exchange privilege), the original sales charge will not be taken into account in computing gain/loss on the original shares to the extent the subsequent sales charge is reduced. Instead, the disregarded portion of the original sales charge will be added to the tax basis of the newly acquired shares. Furthermore, the same rule also applies to a disposition of the newly acquired shares made within 90 days of the second acquisition. This provision prevents shareholders from immediately deducting the sales charge by shifting their investments within a family of mutual funds.

**Backup Withholding.** In certain cases, a Fund will be required to withhold at a 24% rate and remit to the U.S. Treasury such amounts withheld from any distributions paid to a shareholder who: (i) has failed to provide a correct taxpayer identification number; (ii) is subject to backup withholding by the IRS; (iii) has failed to certify to a Fund that such shareholder is not subject to backup withholding; or (iv) has not certified that such shareholder is a U.S. person (including a U.S. resident alien). Backup withholding is not an additional tax and any amount withheld may be credited against a shareholder's U.S. federal income tax liability.

**Sections 351 and 362.** The Trust, on behalf of each Fund, has the right to reject an order for a purchase of shares of the Fund if the purchaser (or group of purchasers) would, upon obtaining the shares so ordered, own 80% or more of the outstanding shares of a given Fund and if, pursuant to Sections 351 and 362 of the Internal Revenue Code, that Fund would have a basis in the securities different from the market value of such securities on the date of deposit. If a Fund's basis in such securities on the date of deposit was less than market value on such date, the Fund, upon disposition of the securities, would recognize more taxable gain or less taxable loss than if its basis in the securities had been equal to market value. It is not anticipated that the Trust will exercise the right of rejection except in a case where the Trust determines that accepting the order could result in material adverse tax consequences to a Fund or its shareholders. The Trust also has the right to require information necessary to determine beneficial share ownership for purposes of the 80% determination.

**Taxation of Certain Derivatives.** A Fund's transactions in zero coupon securities, non-U.S. currencies, forward contracts, options and futures contracts (including options and futures contracts on non-U.S. currencies), to the extent permitted, will be subject to special provisions of the Internal Revenue Code (including provisions relating to "hedging transactions" and "straddles") that, among other consequences, may affect the character of gains and losses realized by the Fund (*i.e.*, may affect whether gains or losses are ordinary or capital), accelerate recognition of income to the Fund and defer Fund losses. These rules could therefore affect the character, amount and timing of distributions to shareholders. These provisions also (a) will require a Fund to mark-to-market certain types of the positions in its portfolio (*i.e.*, treat them as if they were closed out at the end of each year) and (b) may cause a Fund to recognize income without receiving cash with which to pay dividends or make distributions in amounts necessary to satisfy the distribution requirements for avoiding income and excise taxes. Each Fund will monitor its transactions, will make the appropriate tax elections and will make the appropriate entries in its books and records when it acquires any zero coupon security, non-U.S. currency, forward contract, option, futures contract or hedged investment in order to mitigate the effect of these rules and prevent disqualification of a Fund as a RIC.

A Fund's investments in so-called "Section 1256 contracts," such as regulated futures contracts, most non-U.S. currency forward contracts traded in the interbank market and options on most security indexes, are subject to special tax rules. All Section 1256 contracts held by a Fund at the end of its taxable year are required to be marked to their market value, and any unrealized gain or loss on those positions will be included in a Fund's income as if each position had been sold for its fair market value at the end of the taxable year. The resulting gain or loss will be combined with any gain or loss realized by a Fund from positions in Section 1256 contracts closed during the taxable year. Provided such positions were held as capital assets and were not part of a "hedging transaction" nor part of a "straddle," 60% of the resulting net gain or loss will be treated as long-term capital gain or loss, and 40% of such net gain or loss will be treated as short-term capital gain or loss, regardless of the period of time the positions were actually held by a Fund.

As a result of entering into swap contracts, a Fund may make or receive periodic net payments. A Fund may also make or receive a payment when a swap is terminated prior to maturity through an assignment of the swap or other closing transaction. Periodic net payments will generally constitute ordinary income or deductions, while termination of a swap will generally result in capital gain or loss (which will be a long-term capital gain or loss if a Fund has been a party to the swap for more than one year). With respect to certain types of swaps, a Fund may be required to currently recognize income or loss with respect to future payments on such swaps or may elect under certain circumstances to mark such swaps to market annually for tax purposes as ordinary income or loss.

**Qualified Dividend Income.** Distributions by a Fund of investment company taxable income (including any short-term capital gains), whether received in cash or shares, will be taxable either as ordinary income or as qualified dividend income, which is eligible to be taxed at long-term capital gain rates to the extent a Fund receives qualified dividend income on the securities it holds and a Fund reports the distribution as qualified dividend income. Qualified dividend income is, in general, dividend income from taxable U.S. corporations (but generally not from U.S. REITs) and certain non-U.S. corporations (*e.g.*, non-U.S. corporations that are not PFICs and which are incorporated in a possession of the U.S. or in certain countries with a comprehensive tax treaty with the U.S., or the stock of which is readily tradable on an established securities market in the U.S. (where the dividends are paid with respect to such stock)). Under current IRS guidance, the U.S. has appropriate comprehensive income tax treaties with the following countries: Australia, Austria, Bangladesh, Barbados, Belgium, Bulgaria, Canada, China (but not with Hong Kong, which is treated as a separate jurisdiction for U.S. tax purposes), Cyprus, the Czech Republic, Denmark, Egypt, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, India, Indonesia, Ireland, Israel, Italy, Jamaica, Japan, Kazakhstan, Latvia, Lithuania, Luxembourg, Malta, Mexico, Morocco, the Netherlands, New Zealand, Norway, Pakistan, the Philippines, Poland, Portugal, Romania, Russia, the Slovak Republic, Slovenia, South Africa, South Korea, Spain, Sri Lanka, Sweden, Switzerland, Thailand, Trinidad and Tobago, Tunisia, Turkey, Ukraine, the U.K. and Venezuela. Substitute payments received by a Fund for securities lent out by a Fund will not be qualified dividend income.

A dividend from a Fund will not be treated as qualified dividend income to the extent that: (i) the shareholder has not held the shares on which the dividend was paid for 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 a Fund fails to satisfy those holding period requirements with respect to the securities it holds that paid the dividends distributed to the shareholder (or, in the case of certain preferred stocks, the holding requirement of 91 days during the 181-day period beginning on the date that is 90 days before the date on which the stock becomes ex-dividend with respect to such dividend); (ii) a Fund or the shareholder is under an obligation (whether pursuant to a short sale or otherwise) to make related payments with respect to substantially similar or related property; or (iii) the shareholder elects to treat such dividend as investment income under Section 163(d)(4)(B) of the Internal Revenue Code. Dividends received by a Fund from a REIT or another RIC may be treated

as qualified dividend income only to the extent the dividend distributions are attributable to qualified dividend income received by such REIT or other RIC. It is expected that dividends received by a Fund from a REIT and distributed to a shareholder generally will be taxable to the shareholder as ordinary income. However, for tax years beginning after December 31, 2017 and before January 1, 2026, a non-corporate taxpayer who is a direct REIT shareholder may claim a 20% “qualified business income” deduction for ordinary REIT dividends, and a RIC may report dividends as eligible for this deduction to the extent the RIC’s income is derived from ordinary REIT dividends (reduced by allocable RIC expenses). A shareholder may treat the dividends as such provided the RIC and the shareholder satisfy applicable holding period requirements. Distributions by a Fund of its net short-term capital gains will be taxable as ordinary income.

**Corporate Dividends Received Deduction.** Dividends paid by a Fund that are attributable to dividends received by the Fund from U.S. corporations may qualify for the U.S. federal dividends received deduction for corporations. A 46-day minimum holding period during the 90-day period that begins 45 days prior to ex-dividend date (or 91-day minimum holding period during the 180 period beginning 90 days prior to ex-dividend date for certain preference dividends) during which risk of loss may not be diminished is required for the applicable shares, at both the Fund and shareholder level, for a dividend to be eligible for the dividends received deduction. Restrictions may apply if indebtedness, including a short sale, is attributable to the investment.

**Excess Inclusion Income.** Under current law, the Funds serve to block unrelated business taxable income (“UBTI”) from being realized by their respective tax-exempt shareholders. Notwithstanding the foregoing, a tax-exempt shareholder could realize UBTI by virtue of its investment in a Fund if shares in the Fund constitute debt-financed property in the hands of the tax-exempt shareholder within the meaning of Section 514(b) of the Internal Revenue Code. Certain types of income received by a Fund from REITs, real estate mortgage investment conduits, taxable mortgage pools or other investments may cause the Fund to report some or all of its distributions as “excess inclusion income.” To Fund shareholders, such excess inclusion income may: (i) constitute taxable income, as UBTI for those shareholders who would otherwise be tax-exempt such as individual retirement accounts, 401(k) accounts, Keogh plans, pension plans and certain charitable entities; (ii) not be offset by otherwise allowable deductions for tax purposes; (iii) not be eligible for reduced U.S. withholding for non-U.S. shareholders even from tax treaty countries; and (iv) cause the Fund to be subject to tax if certain “disqualified organizations,” as defined by the Internal Revenue Code, are Fund shareholders. If a charitable remainder annuity trust or a charitable remainder unitrust (each as defined in Section 664 of the Internal Revenue Code) has UBTI for a taxable year, a 100% excise tax on the UBTI is imposed on the trust.

A Fund tries to avoid investing in REITs that are expected to generate excess inclusion income, but a Fund may not always be successful in doing so. Because information about a REIT’s investments may be inadequate or inaccurate, or because a REIT may change its investment program, a Fund may not be successful in avoiding the consequences described above. Avoidance of investments in REITs that generate excess inclusion income may require a Fund to forego otherwise attractive investment opportunities.

**Non-U.S. Investments.** Under Section 988 of the Internal Revenue Code, gains or losses attributable to fluctuations in exchange rates between the time a Fund accrues income or receivables or expenses or other liabilities denominated in a non-U.S. currency and the time a Fund actually collects such income or pays such liabilities are generally treated as ordinary income or ordinary loss. In general, gains (and losses) realized on debt instruments will be treated as Section 988 gain (or loss) to the extent attributable to changes in exchange rates between the U.S. dollar and the currencies in which the instruments are denominated. Similarly, gains or losses on non-U.S. currency, non-U.S. currency forward contracts and certain non-U.S. currency options or futures contracts denominated in non-U.S. currency, to the extent attributable to fluctuations in exchange rates between the acquisition and disposition dates, are also treated as ordinary income or loss unless a Fund was to elect otherwise.

Each Fund may be subject to non-U.S. income taxes withheld at the source. Each Fund, if permitted to do so, may elect to “pass through” to its investors the amount of non-U.S. income taxes paid by the Fund provided that the Fund held the security on the dividend settlement date and for at least 15 additional days immediately before and/or thereafter, with the result that each investor with respect to shares of the Fund held for a minimum 16-day holding period at the time of deemed distribution will (i) include in gross income, even though not actually received, the investor’s *pro rata* share of the Fund’s non-U.S. income taxes, and (ii) either deduct (in calculating U.S. taxable income, but only for investors who itemize their deductions on their personal tax returns) or credit (in calculating U.S. federal income tax) the investor’s *pro rata* share of the Fund’s non-U.S. income taxes. Withholding taxes on dividends on non-U.S. securities while such securities are lent out by the Fund are not eligible for non-U.S. tax credit pass through. Taxes not “passed through” for tax purposes will not be available to



shareholders for foreign tax credit purposes. A non-U.S. person invested in a Fund in a year that the Fund elects to “pass through” its non-U.S. taxes may be treated as receiving additional dividend income subject to U.S. withholding tax. A non-U.S. tax credit may not exceed the investor’s U.S. federal income tax otherwise payable with respect to the investor’s non-U.S. source income. For this purpose, shareholders must treat as non-U.S. source gross income (i) their proportionate shares of non-U.S. taxes paid by a Fund and (ii) the portion of any dividend paid by the Fund that represents income derived from non-U.S. sources; the Fund’s gain from the sale of securities will generally be treated as U.S.-source income. Certain limitations will be imposed to the extent to which the non-U.S. tax credit may be claimed. If your Fund shares are loaned pursuant to securities lending arrangements, you may lose the ability to use any non-U.S. tax credits passed through by a Fund or to treat Fund dividends (paid while the shares are held by the borrower) as qualified dividends. Regarding a short sale with respect to shares of a Fund, substitute payments made to the lender of such shares may not be deductible under certain circumstances. Consult your financial intermediary or tax advisor.

**Passive Foreign Investment Companies.** If a Fund purchases shares in PFICs, it may be subject to U.S. federal income tax on a portion of any “excess distribution” or gain from the disposition of such shares even if such income is distributed as a taxable dividend by the Fund to its shareholders. Additional charges in the nature of interest may be imposed on a Fund in respect of deferred taxes arising from such distributions or gains.

If a Fund were to invest in a PFIC and elect to treat the PFIC as a “qualified electing fund” under the Internal Revenue Code, in lieu of the foregoing requirements, a Fund might 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 a Fund, and such amounts would be subject to the 90% and excise tax distribution requirements described above. In order to make this election, a Fund would be required to obtain certain annual information from the PFICs in which it invests, which may be difficult or impossible to obtain. Currently proposed IRS regulations, if adopted, would treat such included amounts as nonqualifying RIC income to a Fund unless such amounts were also distributed to the Fund.

Alternatively, a Fund may make a mark-to-market election that would result in a Fund being treated as if it had sold and repurchased its PFIC stock at the end of each year. In such case, a Fund would report any such gains as ordinary income and would deduct any such losses as ordinary losses to the extent of previously recognized gains. The election must be made separately for each PFIC owned by a Fund and, once made, would be effective for all subsequent taxable years, unless revoked with the consent of the IRS. By making the election, a Fund could potentially ameliorate the adverse tax consequences with respect to its ownership of shares in a PFIC, but in any particular year may be required to recognize income in excess of the distributions it receives from PFICs and its proceeds from dispositions of PFIC stock. A Fund may have to distribute this “phantom” income and gain to satisfy the 90% distribution requirement and to avoid imposition of the 4% excise tax.

A Fund will make the appropriate tax elections, if possible, and take any additional steps that are necessary to mitigate the effects of these rules.

**Reporting.** 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, the shareholder must file with the IRS a disclosure statement on IRS Form 8886. Direct shareholders of portfolio securities are in many cases exempted from this reporting requirement, but under current guidance, shareholders of a RIC are not exempted. The fact 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.

**Other Taxes.** Dividends, distributions and redemption proceeds may also be subject to additional state, local and non-U.S. taxes depending on each shareholder’s particular situation.

**Taxation of Non-U.S. Shareholders.** Dividends paid by a Fund to non-U.S. shareholders are generally subject to withholding tax at a 30% rate or a reduced rate specified by an applicable income tax treaty to the extent derived from investment income and short-term capital gains. Dividends paid by a Fund from net tax-exempt income or long-term capital gains are generally not subject to such withholding tax. In order to obtain a reduced rate of withholding, a non-U.S. shareholder will be required to provide an IRS Form W-8BEN or IRS Form W-8BEN-E certifying its entitlement to benefits under a treaty. The withholding tax does not apply to regular dividends paid to a non-U.S. shareholder who provides an IRS Form W-8ECI, certifying that the dividends are effectively connected with the non-U.S. shareholder’s conduct of a trade or business within the U.S. Instead, the effectively connected dividends will be subject to regular U.S. income tax as if the non-U.S. shareholder were a U.S.



shareholder. A non-U.S. corporation receiving effectively connected dividends may also be subject to additional “branch profits tax” imposed at a rate of 30% (or lower treaty rate). A non-U.S. shareholder who fails to provide an IRS Form W-8BEN, IRS Form W-8BEN-E or other applicable form may be subject to backup withholding at the appropriate rate.

Properly-reported dividends are generally exempt from U.S. federal withholding tax where they (i) are paid in respect of a Fund’s “qualified net interest income” (generally, the Fund’s U.S. source interest income, other than certain contingent interest and interest from obligations of a corporation or partnership in which the Fund is at least a 10% shareholder or partner, reduced by expenses that are allocable to such income) or (ii) are paid in respect of a Fund’s “qualified short-term capital gains” (generally, the excess of the Fund’s net short-term capital gain over the Fund’s long-term capital loss for such taxable year). However, depending on its circumstances, a Fund may report all, some or none of its potentially eligible dividends as such qualified net interest income or as qualified short-term capital gains 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 non-U.S. shareholder will need to comply with applicable certification requirements relating to its non-U.S. 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 a Fund reports the payment as qualified net interest income or qualified short-term capital gain. Non-U.S. shareholders should contact their intermediaries with respect to the application of these rules to their accounts.

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 Internal Revenue 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 U.S., 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.

The rules laid out in the previous two paragraphs, other than the withholding rules, will apply notwithstanding a Fund’s participation in a wash sale transaction or its payment of a substitute dividend.

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 paid to: (i) foreign financial institutions, including non-U.S. investment funds, unless they agree to collect and disclose to the IRS information regarding their direct and indirect U.S. account holders; and (ii) certain other foreign entities, unless they certify certain information regarding their direct and indirect U.S. owners. To avoid withholding, foreign financial institutions will need to: (i) enter into agreements with the IRS that state that they will provide the IRS information, including the names, addresses and taxpayer identification numbers of direct and indirect U.S. account holders; comply with due diligence procedures with respect to the identification of U.S. accounts; report to the IRS certain information with respect to U.S.

accounts maintained; agree to withhold tax on certain payments made to non-compliant foreign financial institutions or to account holders who fail to provide the required information; and determine certain other information concerning their account holders, or (ii) in the event an intergovernmental agreement and implementing legislation are adopted, provide local revenue authorities with similar account holder information. Other foreign entities may need to report the name, address, and taxpayer identification number of each substantial U.S. owner or provide certifications of no substantial U.S. ownership unless certain exceptions apply.

Shares of a Fund held by a non-U.S. shareholder at death will be considered situated within the U.S. and subject to the U.S. estate tax.

The foregoing discussion is a summary of certain material U.S. federal income tax considerations only and is not intended as a substitute for careful tax planning. Purchasers of shares should consult their own tax advisors as to the tax consequences of investing in such shares, including consequences under state, local and non-U.S. tax laws. Finally, the foregoing discussion is based on applicable provisions of the Internal Revenue Code, regulations, judicial authority and administrative interpretations in effect on the date of this SAI. Changes in applicable authority could materially affect the conclusions discussed above, and such changes often occur.

## Financial Statements

Each Fund's (except for the iShares Factors US Blend Style ETF, iShares Factors US Mid Blend Style ETF and iShares Factors US Small Blend Style ETF) audited Financial Statements, including the Financial Highlights, appearing in the applicable Annual Report to Shareholders and the report therein of PricewaterhouseCoopers LLP, an independent registered public accounting firm, are hereby incorporated by reference in this SAI. The applicable Annual Report to Shareholders, which contains the referenced audited financial statements, is available upon request and without charge. Financial statements for the iShares Factors US Blend Style ETF, iShares Factors US Mid Blend Style ETF and iShares Factors US Small Blend Style ETF are not available because, as of the date of this SAI, the iShares Factors US Blend Style ETF, iShares Factors US Mid Blend Style ETF and iShares Factors US Small Blend Style ETF have no financial information to report.

## Miscellaneous Information

**Counsel.** Willkie Farr & Gallagher LLP, located at 787 Seventh Avenue, New York, NY 10019, is counsel to the Trust.

**Independent Registered Public Accounting Firm.** PricewaterhouseCoopers LLP, located at Two Commerce Square, 2001 Market Street, Philadelphia, PA 19103, serves as the Trust's independent registered public accounting firm, audits the Funds' financial statements, and may perform other services.

**Shareholder Communications to the Board.** The Board has established a process for shareholders to communicate with the Board. Shareholders may contact the Board by mail. Correspondence should be addressed to iShares Board of Trustees, c/o BlackRock Fund Advisors, iShares Fund Administration, 400 Howard Street, San Francisco, CA 94105. Shareholder communications to the Board should include the following information: (i) the name and address of the shareholder; (ii) the number of shares owned by the shareholder; (iii) the Fund(s) of which the shareholder owns shares; and (iv) if these shares are owned indirectly through a broker, financial intermediary or other record owner, the name of the broker, financial intermediary or other record owner. All correspondence received as set forth above shall be reviewed by the Secretary of the Trust and reported to the Board.

**Regulation Under the Alternative Investment Fund Managers Directive.** The Alternative Investment Fund Managers Directive ("AIFMD") imposes detailed and prescriptive obligations on fund managers established in the EU ("EU Operative Provisions"). These do not currently apply to managers established outside of the EU, such as BFA. Rather, non-EU managers are only required to comply with certain disclosure, reporting and transparency obligations of AIFMD ("AIFMD Disclosure Provisions") if such managers market a fund to EU investors.

Where the AIFMD Disclosure Provisions relate to EU Operative Provisions that do not apply to BFA, no meaningful disclosure can be made. These EU Operative Provisions include prescriptive rules on: measuring and capping leverage in line with known European standards; the treatment of investors; the use of "depositories"; and coverage for professional liability risks.

AIFMD imposes certain conditions on the marketing of funds, such as the Funds, to EU investors. AIFMD requires that an ‘alternative investment fund manager’ (“AIFM”) be identified to meet such conditions where such marketing is sought. For these purposes BFA, as the legal entity responsible for performing the portfolio and risk management of the Funds, shall be the AIFM.

AIFMD requires disclosure on an ongoing basis of certain information relating to the use of special arrangements, leverage, rights of reuse of collateral, guarantees granted under leverage arrangements and the use of gates, side pockets and similar liquidity management tools. Given that the Funds do not use any special arrangements or allow for collateral reuse, it is not intended that such disclosures will need to be made by the Funds. Each Fund will, however, to the extent relevant and appropriate, disclose in its annual report information on the Fund’s leverage, risk profile and risk management systems employed by BFA. Each Fund will also disclose material changes, if any, to the liquidity management systems and procedures employed in respect of the Fund.

BFA has registered the following Funds for marketing to investors in Finland, the Netherlands, Sweden, and the U.K.:

- iShares Core S&P 500 ETF
- iShares Core S&P Mid-Cap ETF
- iShares Core S&P Small-Cap ETF
- iShares Global Consumer Staples ETF
- iShares Global Energy ETF
- iShares Nasdaq Biotechnology ETF
- iShares Preferred and Income Securities ETF
- iShares Russell 1000 Value ETF
- iShares Russell 2000 ETF
- iShares Russell 3000 ETF
- iShares U.S. Real Estate ETF
- iShares U.S. Regional Banks ETF

**Investors’ Rights.** Each Fund relies on the services of BFA and its other service providers, including the Distributor, administrator, custodian and transfer agent. Further information about the duties and roles of these service providers is set out in this SAI. Investors who acquire shares of a Fund are not parties to the relevant agreement with these service providers and do not have express contractual rights against the Fund or its service providers, except certain institutional investors that are Authorized Participants may have certain express contractual rights with respect to the Distributor under the terms of the relevant Authorized Participant Agreement. Investors may have certain legal rights under federal or state law against a Fund or its service providers. In the event that an investor considers that it may have a claim against a Fund, or against any service provider in connection with its investment in a Fund, such investor should consult its own legal advisor.

By contract, Authorized Participants irrevocably submit to the non-exclusive jurisdiction of any New York State or U.S. federal court sitting in New York City over any suit, action or proceeding arising out of or relating to the Authorized Participant Agreement. Jurisdiction over other claims, whether by investors or Authorized Participants, will turn on the facts of the particular case and the law of the jurisdiction in which the proceeding is brought.

# Appendix A1 - iShares ETFs Proxy Voting Policy

BlackRock U.S. Registered Funds

Open-End Fund Proxy Voting Policy

Procedures Governing Delegation of Proxy Voting to Fund Advisers

October 1, 2020

Open-End Mutual Funds (including money market funds)

iShares and BlackRock ETFs

The Boards of Trustees/Directors (“Directors”) of open-end funds (the “Funds”) advised by BlackRock Fund Advisors or BlackRock Advisors, LLC (“BlackRock”), 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) a summary of 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 Guidelines, and (2) any changes to the BlackRock Proxy Voting Guidelines that have not previously been reported.

# Appendix A2 – BlackRock Global Proxy Voting Policies

BlackRock Investment Stewardship  
Global Corporate Governance & Engagement Principles  
January 2020

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## INTRODUCTION TO BLACKROCK

BlackRock's purpose is to help more and more people experience financial well-being. As a fiduciary to our clients, we provide the investment and technology solutions they need when planning for their most important goals. We manage assets on behalf of institutional and individual clients, across a full spectrum of investment strategies, asset classes and regions. Our client base includes pension plans, endowments, foundations, charities, official institutions, insurers and other financial institutions, as well as individuals around the world.

## PHILOSOPHY ON CORPORATE GOVERNANCE

BlackRock Investment Stewardship ("BIS") activities are focused on maximizing long-term value for our clients. BIS does 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 shareholding. Companies and their boards should be accountable to shareholders and structured with appropriate checks and balances to ensure that they operate in shareholders' best 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 preemptive rights, and the distribution of income and capital structure. In order to make informed decisions, we believe that shareholders have the right to sufficient and timely information.

Our primary focus is on the performance of the board of directors. As the agent of shareholders, the board 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 management and oversee management's performance. Our starting position is to be supportive of boards in their oversight efforts on shareholders' 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 best interests of shareholders or have not responded adequately to shareholder concerns. We assess voting matters on a case-by-case basis and in light of each company's unique circumstances taking into consideration regional best practices and long-term value creation.

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 can vary internationally, so our expectations in relation to individual companies are based on the legal and regulatory framework of each local market. However, we believe there are overarching principles of corporate governance that apply globally and provide a framework for more detailed, market-specific assessments.

We believe BlackRock has a responsibility in relation to monitoring and providing feedback to companies, sometimes known as "stewardship." These ownership responsibilities include engaging with management or board members on corporate governance matters, voting proxies in the best long-term economic interests of our clients, and engaging with regulatory bodies to ensure a sound policy framework consistent with promoting long-term shareholder value creation. We also believe in the responsibility to our clients to have appropriate resources and oversight structures. Our approach is set out in the section below titled "BlackRock's oversight of its investment stewardship activities" and is further detailed in a [team profile on our website](#).

## CORPORATE GOVERNANCE, ENGAGEMENT AND VOTING

We recognize that accepted standards of corporate governance differ between markets, but we believe there are sufficient common threads globally to identify an overarching set of principles. The objective of our investment stewardship 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
- Compensation and benefits
- Environmental and social issues
- General corporate governance matters and shareholder protections

At a minimum, we expect companies to observe the accepted corporate governance standards 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 perform independent research and analysis, such as reviewing relevant information published by the company and apply our voting guidelines to achieve the outcome we believe best protects our clients' long-term economic interests. We also work closely with our active portfolio managers, and may take into account internal and external research.

BlackRock views engagement as an important activity; engagement provides us with the opportunity to improve our understanding of the challenges and opportunities that investee companies are facing and their governance structures. Engagement also allows us to share our philosophy and approach to investment and corporate governance with companies to enhance their understanding of our objectives. Our engagements often focus on providing our feedback on company disclosures, particularly where we believe they could be enhanced. 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.

BlackRock's engagements emphasize direct dialogue with corporate leadership on the governance issues identified in these principles that have a material impact on financial performance. These engagements enable us to cast informed votes aligned with clients' long-term economic interests. We generally prefer to engage in the first instance where we have concerns and give management time to address or resolve the issue. As a long-term investor, we are patient and persistent in working with our portfolio companies to have an open dialogue and develop mutual understanding of governance matters, to promote the adoption of best practices and to assess the merits of a company's approach to its governance. We monitor the companies in which we invest and engage with them constructively and privately where we believe doing so helps protect shareholders' interests. We do not try to micro-manage companies, or tell management and boards what to do. We present our views as a long-term shareholder and listen to companies' responses. The materiality and immediacy of a given issue will generally determine the level of our engagement and whom we seek to engage at the company, which could be management representatives or board directors.

## **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 our engagements and sees the election of directors as one of our 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 long-term strategic goals, applicable measures of value-creation and milestones that will demonstrate progress, and steps taken if any obstacles are anticipated or incurred
- ensuring the integrity of financial statements
- making independent decisions regarding mergers, acquisitions and disposals
- establishing appropriate executive compensation structures
- addressing business issues, including environmental and social 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 committees of the board and 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 best interest of shareholders. We will seek to 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. We believe that when a company is not effectively addressing a material issue, its directors should be held accountable.

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 for shareholders to 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 or former employment at the company or a subsidiary within the past several years
- being, or representing, a shareholder with a substantial shareholding in the company
- interlocking directorships
- having any other interest, business or other relationship which could, or could reasonably be perceived to, materially interfere with the director's ability to act in the best interests of the company

BlackRock believes that the operation of the board is enhanced when there is a clearly independent, senior non -executive director to chair it or, where the chairman is also the CEO (or is otherwise not independent), 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 in those situations where a director is best placed to explain and justify a company's approach.

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 multiple dimensions of diversity, including personal factors such as gender, ethnicity, and age; as well as professional characteristics, such as a director's industry, area of expertise, and geographic location. The board should review these dimensions of the current directors and how they 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 board forms committees of fully independent directors to deal with such matters. In many markets, these 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 or to investigate a significant adverse event.

### **Auditors and audit-related issues**

Comprehensive disclosure provides investors with a sense of the company's long-term operational risk management practices and, more broadly, the quality of the board's oversight. In the absence of robust disclosures, we may reasonably conclude that companies are not adequately managing risk.

BlackRock recognizes the critical importance of financial statements, which should provide a true and fair 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 have in place a procedure for assessing 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-emptive rights are a key protection for shareholders against the dilution of their interests.

Effective voting rights are central to the rights of ownership and we believe strongly in one vote for one share as a guiding principle that supports good corporate governance. Shareholders, as the residual claimants, have the strongest interest in protecting company value, and voting power should match economic exposure.

We are concerned that the creation of a dual share class may result in an over-concentration of power in the hands of a few shareholders, thus disenfranchising other shareholders and amplifying the potential conflict of interest, which the one share, one vote principle is designed to mitigate. However, we recognize that in certain circumstances, companies may have a valid argument for dual-class listings, at least for a limited period of time. We believe that such companies should review these dual-class structures on a regular basis or as company circumstances change. Additionally, they should receive shareholder approval of their capital structure on a periodic basis via a management proposal in the company's proxy. The proposal should give unaffiliated shareholders the opportunity to affirm the current structure or establish mechanisms to end or phase out controlling structures at the appropriate time, while minimizing costs to shareholders.

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 executives' and/or board members' financial interests in a given transaction have not adversely 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 it is good practice to be approved by a separate vote of the non-conflicted shareholders.

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 expect any so-called 'shareholder rights plans' proposed by a board to be subject to shareholder approval upon introduction and periodically thereafter for continuation.

## Compensation 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 generating sustainable 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 plans 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 board members accountable for poor compensation practices or structures.

BlackRock believes that there should be a clear link between variable pay and company performance that drives shareholder returns. We are not supportive of one-off or special bonuses unrelated to company or individual performance. We acknowledge that the use of peer group evaluation by compensation committees can help ensure competitive pay; however, we are concerned when increases in total compensation at a company are justified solely on peer benchmarking rather than outperformance. We support incentive plans that foster the sustainable achievement of results relative to competitors. The vesting timeframes associated with incentive plans should facilitate a focus on long -term value creation. We believe consideration should be given to building claw back provisions into incentive plans such that executives would be required to forgo rewards when they are 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 and other deferred compensation arrangements should be reasonable in light of market practice.

Non-executive directors should be compensated in a manner that is commensurate with the time and effort expended in fulfilling their professional responsibilities. Additionally, these compensation arrangements should not risk compromising their independence or aligning their interests too closely with those of the management, whom they are charged with overseeing.

### Environmental and social 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 material environmental and social (“E&S”) factors relevant to their businesses.

Robust disclosure is essential for investors to effectively gauge companies’ business practices and planning related to E&S risks and opportunities.

BlackRock expects companies to issue reports aligned with the recommendations of the Task Force on Climate -related Financial Disclosures (TCFD) and the standards put forward by the Sustainability Accounting Standards Board (SASB). We view the SASB and TCFD frameworks as complementary in achieving the goal of disclosing more financially material information, particularly as it relates to industry -specific metrics and target setting. TCFD’s recommendations provide an overarching framework for disclosure on the business implications of climate change, and potentially other E&S factors. We find SASB’s industry-specific guidance (as identified in its materiality map) beneficial in helping companies identify and discuss their governance, risk assessments, and performance against these key performance indicators (KPIs). Any global standards adopted, peer group benchmarking undertaken, and verification processes in place should also be disclosed and discussed in this context.

BlackRock has been engaging with companies for several years on disclosure of material E&S factors. Given the increased understanding of sustainability risks and opportunities, and the need for better information to assess them, we specifically ask companies to:

- 1) publish a disclosure in line with industry-specific SASB guidelines by year-end, if they have not already done so, or disclose a similar set of data in a way that is relevant to their particular business; and
- 2) disclose climate-related risks in line with the TCFD’s recommendations, if they have not already done so. This should include the company’s plan for operating under a scenario where the Paris Agreement’s goal of limiting global warming to less than two degrees is fully realized, as expressed by the TCFD guidelines.

See our [commentary](#) on our approach to engagement on TCFD and SASB aligned reporting for greater detail of our expectations.

We will use these disclosures and our engagements to ascertain whether companies are properly managing and overseeing these risks within their business and adequately planning for the future. In the absence of robust disclosures, investors, including BlackRock, will increasingly conclude that companies are not adequately managing risk.

We believe that when a company is not effectively addressing a material issue, its directors should be held accountable. We will generally engage directly with the board or management of a company when we identify issues. We may vote against the election of directors where we have concerns that a company might not be dealing with E&S factors 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 material E&S factors.

In deciding our course of action, we will assess the company’s disclosures and the nature of our engagement with the company on the issue over time, including whether:

- The company has already taken sufficient steps to address the concern
- The company is in the process of actively implementing a response
- There is a clear and material economic disadvantage to the company in the near-term if the issue is not addressed in the manner requested by the shareholder proposal

We do not see it as our role to make social or political judgments on behalf of clients. Our consideration of these E&S factors is consistent with protecting the long-term economic interest of our clients’ assets. 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 local laws or regulations that significantly impact the company's operations are contradictory or ambiguous to global norms.

### **Climate risk**

Within the framework laid out above, as well as our guidance on "[How BlackRock Investment Stewardship engages on climate risk](#)," we believe that climate presents significant investment risks and opportunities that may impact the long - term financial sustainability of companies. We believe that the reporting frameworks developed by TCFD and SASB provide useful guidance to companies on identifying, managing, and reporting on climate -related risks and opportunities.

We expect companies to help their investors understand how the company may be impacted by climate risk, in the context of its ability to realize a long-term strategy and generate value over time. We expect companies to convey their governance around this issue through their corporate disclosures aligned with TCFD and SASB. For companies in sectors that are significantly exposed to climate-related risk, we expect the whole board to have demonstrable fluency in how climate risk affects the business and how management approaches assessing, adapting to, and mitigating that risk.

Where a company receives a shareholder proposal related to climate risk, in addition to the factors laid out above, our assessment will take into account the robustness of the company's existing disclosures as well as our understanding of its management of the issues as revealed through our engagements with the company and board members over time. In certain instances, we may disagree with the details of a climate-related shareholder proposal but agree that the company in question has not made sufficient progress on climate-related disclosures. In these instances, we may not support the proposal, but may vote against the election of relevant directors.

### **General corporate governance matters and shareholder protections**

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 help shareholders assess whether their economic interests have been protected and the quality of the board's oversight of management. We believe shareholders should have the right to vote on key corporate governance matters, including changes to governance mechanisms, to submit proposals to the shareholders' meeting and to call special meetings of shareholders.

## **BLACKROCK'S OVERSIGHT OF ITS INVESTMENT STEWARDSHIP ACTIVITIES**

### **Oversight**

We hold ourselves to a very high standard in our investment stewardship activities, including proxy voting. This function is executed by a team called BlackRock Investment Stewardship ("BIS") which is comprised of BlackRock employees who do not have other responsibilities other than their roles in BIS. BIS is considered an investment function. The team does not have sales responsibilities.

BlackRock maintains three regional advisory committees ("Stewardship Advisory Committees") for (a) the Americas; (b) Europe, the Middle East and Africa ("EMEA"); and (c) Asia-Pacific, generally consisting of senior BlackRock investment professionals and/or senior employees with practical boardroom experience. The regional Stewardship Advisory Committees review and advise on amendments to the proxy voting guidelines covering markets within each respective region ("Guidelines").

In addition to the regional Stewardship Advisory Committees, the Investment Stewardship Global Oversight Committee ("Global Committee") is a risk-focused committee, comprised of senior representatives from various BlackRock investment teams, BlackRock's Deputy General Counsel, the Global Head of Investment Stewardship ("Global Head"), and other senior executives with relevant experience and team oversight.

The Global Head has primary oversight of the activities of BIS, including voting in accordance with the Guidelines, which require the application of professional judgment and consideration of each company's unique circumstances. The Global Committee reviews and approves amendments to these Global Corporate Governance & Engagement Principles. The Global



Committee also reviews and approves amendments to the regional Guidelines, as proposed by the regional Stewardship Advisory Committees.

In addition, the Global Committee receives and reviews periodic reports regarding the votes cast by BIS, as well as regular updates on material process issues, procedural changes and other risk oversight considerations. The Global Committee reviews these reports in an oversight capacity as informed by the BIS corporate governance engagement program and Guidelines.

BIS carries out engagement with companies, monitors and executes proxy votes, and conducts vote operations (including maintaining records of votes cast) in a manner consistent with the relevant Guidelines. BIS also conducts research on corporate governance issues and participates in industry discussions to keep abreast of important developments in the corporate governance field. BIS may utilize third parties for certain of the foregoing activities and performs oversight of those third parties. BIS may raise complicated or particularly controversial matters for internal discussion with the relevant investment teams and/or refer such matters to the appropriate regional Stewardship Advisory Committees for review, discussion and guidance prior to making a voting decision.

### **Vote execution**

We carefully consider proxies submitted to funds and other fiduciary account(s) (“Fund” or “Funds”) for which we have voting authority. BlackRock votes (or refrains from voting) proxies for each Fund for which we have voting authority based on our evaluation of the best long-term economic interests of shareholders, in the exercise of our independent business judgment, and without regard to the relationship of the issuer of the proxy (or any shareholder proponent or dissident shareholder) to the Fund, the Fund’s affiliates (if any), BlackRock or BlackRock’s affiliates, or BlackRock employees (see “Conflicts management policies and procedures”, below).

When exercising voting rights, BlackRock will normally vote on specific proxy issues in accordance with the 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 Stewardship Advisory Committees. BIS may, in the exercise of their professional judgment, conclude that the Guidelines do not cover the specific matter upon which a proxy vote is required 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 BIS 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; (vi) regulatory constraints; and (vii) 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 share-blocking or overly burdensome administrative requirements.

As a consequence, BlackRock votes proxies on a “best-efforts” basis. In addition, BIS may determine that it is generally in the best interests of BlackRock’s clients not to vote proxies if the costs (including but not limited to opportunity costs associated with share-blocking constraints) associated with exercising a vote are expected to outweigh the benefit the client would derive by voting on the proposal.

Portfolio managers have full discretion to vote the shares in the Funds they manage based on their analysis of the economic impact of a particular ballot item. Portfolio managers may from time to time reach differing views on how best to maximize economic value with respect to a particular investment. Therefore, portfolio managers may, and sometimes do, vote shares in the Funds under their management differently from one another. However, because BlackRock’s clients are mostly long-term investors with long-term economic goals, ballots are frequently cast in a uniform manner.

## Conflicts management policies and procedures

BIS maintains the following policies and procedures that seek to prevent undue influence on BlackRock's proxy voting activity. Such influence might stem from any relationship between the investee company (or any shareholder proponent or dissident shareholder) and BlackRock, BlackRock's affiliates, a Fund or a Fund's affiliates, or BlackRock employees. The following are examples of sources of perceived or potential conflicts of interest:

- BlackRock clients who may be issuers of securities or proponents of shareholder resolutions
- BlackRock business partners or third parties who may be issuers of securities or proponents of shareholder resolutions
- BlackRock employees who may sit on the boards of public companies held in Funds managed by BlackRock
- Significant BlackRock, Inc. investors who may be issuers of securities held in Funds managed by BlackRock
- Securities of BlackRock, Inc. or BlackRock investment funds held in Funds managed by BlackRock
- BlackRock, Inc. board members who serve as senior executives of public companies held in Funds managed by BlackRock

BlackRock has taken certain steps to mitigate perceived or potential conflicts including, but not limited to, the following:

- Adopted the Guidelines which are designed to protect and enhance the economic value of the companies in which BlackRock invests on behalf of clients.
- Established a reporting structure that separates BIS from employees with sales, vendor management or business partnership roles. In addition, BlackRock seeks to ensure that all engagements with corporate issuers, dissident shareholders or shareholder proponents are managed consistently and without regard to BlackRock's relationship with such parties. Clients or business partners are not given special treatment or differentiated access to BIS. BIS prioritizes engagements based on factors including but not limited to our need for additional information to make a voting decision or our view on the likelihood that an engagement could lead to positive outcome(s) over time for the economic value of the company. Within the normal course of business, BIS may engage directly with BlackRock clients, business partners and/or third parties, and/or with employees with sales, vendor management or business partnership roles, in discussions regarding our approach to stewardship, general corporate governance matters, client reporting needs, and/or to otherwise ensure that proxy-related client service levels are met.
- Determined to engage, in certain instances, an independent fiduciary to vote proxies as a further safeguard to avoid potential conflicts of interest, to satisfy regulatory compliance requirements, or as may be otherwise required by applicable law. In such circumstances, the independent fiduciary provides BlackRock's proxy voting agent with instructions, in accordance with the Guidelines, as to how to vote such proxies, and BlackRock's proxy voting agent votes the proxy in accordance with the independent fiduciary's determination. BlackRock uses an independent fiduciary to vote proxies of (i) any company that is affiliated with BlackRock, Inc., (ii) any public company that includes BlackRock employees on its board of directors, (iii) The PNC Financial Services Group, Inc., (iv) any public company of which a BlackRock, Inc. board member serves as a senior executive, and (v) companies when legal or regulatory requirements compel BlackRock to use an independent fiduciary. In selecting an independent fiduciary, we assess several characteristics, including but not limited to: independence, an ability to analyze proxy issues and vote in the best economic interest of our clients, reputation for reliability and integrity, and operational capacity to accurately deliver the assigned votes in a timely manner. We may engage more than one independent fiduciary, in part in order to mitigate potential or perceived conflicts of interest at an independent fiduciary. The Global Committee appoints and reviews the performance of the independent fiduciary(ies), generally on an annual basis.

When so authorized, BlackRock acts as a securities lending agent on behalf of Funds. With regard to the relationship between securities lending and proxy voting, BlackRock's approach is driven by our clients' economic interests. The decision whether to recall securities on loan to vote is based on a formal analysis of the revenue producing value to clients of loans, against the assessed economic value of casting votes. Generally, we expect that the likely economic value to clients of casting votes would be less than the securities lending income, either because, in our assessment, the resolutions being voted on will not have significant economic consequences or because the outcome would not be affected by BlackRock recalling loaned securities in order to vote. BlackRock also may, in our discretion, determine that the value of voting outweighs the cost of recalling shares, and thus recall shares to vote in that instance.

Periodically, BlackRock reviews our process for determining whether to recall securities on loan in order to vote and may modify it as necessary.

## **Voting guidelines**

The issue-specific 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. BIS 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 indicate how BIS 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 and vote transparency**

We inform clients about our engagement and voting policies and activities through direct communication and through disclosure on our website. Each year we publish an annual report, an annual engagement and voting statistics report, and our full voting record to our website. On a quarterly basis, we publish regional reports which provide an overview of our investment stewardship engagement and voting activities during the quarter, including market developments, speaking engagements, and engagement and voting statistics. Additionally, we make public our market-specific voting guidelines for the benefit of clients and companies with whom we engage.

# Appendix A3 – BlackRock U.S. Proxy Voting Policies

BlackRock Investment Stewardship

Corporate Governance and Proxy Voting Guidelines for U.S. Securities

January 2020

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These guidelines should be read in conjunction with the BlackRock Investment Stewardship Global Corporate Governance Guidelines & Engagement Principles.

## INTRODUCTION

BlackRock, Inc. and its subsidiaries (collectively, “BlackRock”) seek to make proxy voting decisions in the manner most likely to protect and enhance the economic value of the securities held in client accounts. The following issue-specific proxy voting guidelines (the “Guidelines”) are intended to summarize BlackRock Investment Stewardship’s general philosophy and approach to corporate governance issues that most commonly arise in proxy voting for U.S. securities. These Guidelines are not intended to limit the analysis of individual issues at specific companies and are not intended to 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, as well as our expectations of boards of directors. They are applied with discretion, taking into consideration the range of issues and facts specific to the company and the individual ballot item.

## VOTING GUIDELINES

These guidelines are divided into eight key themes which group together the issues that frequently appear on the agenda of annual and extraordinary meetings of shareholders:

- Boards and directors
- Auditors and audit-related issues
- Capital structure
- Mergers, asset sales, and other special transactions
- Executive compensation
- Environmental and social issues
- General corporate governance matters
- Shareholder protections

## BOARDS AND DIRECTORS

### Director elections

In general, BlackRock supports the election of directors as recommended by the board in uncontested elections. However, we believe that when a company is not effectively addressing a material issue, its directors should be held account able. We may withhold votes from directors or members of particular board committees in certain situations, as indicated below.

### Independence

We expect a majority of the directors on the board to be independent. In addition, all members of key committees, including audit, compensation, and nominating / governance committees, should be independent. Our view of independence may vary slightly from listing standards.

In particular, common impediments to independence in the U.S. may include:

- Employment as a senior executive by the company or a subsidiary within the past five years
- An equity ownership in the company in excess of 20%
- Having any other interest, business, or relationship which could, or could reasonably be perceived to, materially interfere with the director’s ability to act in the best interests of the company

We may vote against directors serving on key committees that we do not consider to be independent.

When evaluating controlled companies, as defined by the U.S. stock exchanges, we will only vote against insiders or affiliates who sit on the audit committee, but not other key committees.

## Oversight

We expect the board to exercise appropriate oversight over management and business activities of the company. We will consider voting against committee members and / or individual directors in the following circumstances:

- Where the board has failed to exercise oversight with regard to accounting practices or audit oversight, we will consider voting against the current audit committee, and any other members of the board who may be responsible. For example, this may apply to members of the audit committee during a period when the board failed to facilitate quality, independent auditing if substantial accounting irregularities suggest insufficient oversight by that committee
- Members of the compensation committee during a period in which executive compensation appears excessive relative to performance and peers, and where we believe the compensation committee has not already substantially addressed this issue
- The chair of the nominating / governance committee, or where no chair exists, the nominating / governance committee member with the longest tenure, where the board is not comprised of a majority of independent directors. However, this would not apply in the case of a controlled company
- Where it appears the director has acted (at the company or at other companies) in a manner that compromises his / her reliability to represent the best long-term economic interests of shareholders
- Where a director has a pattern of poor attendance at combined board and applicable key committee meetings. Excluding exigent circumstances, BlackRock generally considers attendance at less than 75% of the combined board and applicable key committee meetings by a board member to be poor attendance
- Where a director serves on an excess number of boards, which may limit his / her capacity to focus on each board's requirements. The following illustrates the maximum number of boards on which a director may serve, before he / she is considered to be over-committed:

	Public Company CEO	# Outside Public Boards*	Total # of Public Boards
Director A	x	1	2
Director B		3	4

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\* In addition to the company under review

## Responsiveness to shareholders

We expect a board to be engaged and responsive to its shareholders. Where we believe a board has not substantially addressed shareholder concerns, we may vote against the appropriate committees and / or individual directors. The following illustrates common circumstances:

- The independent chair or lead independent director, members of the nominating / governance committee, and / or the longest tenured director(s), where we observe a lack of board responsiveness to shareholders, evidence of board entrenchment, and / or failure to promote adequate board succession planning
- The chair of the nominating / governance committee, or where no chair exists, the nominating / governance committee member with the longest tenure, where board member(s) at the most recent election of directors have received withhold votes from more than 30% of shares voted and the board has not taken appropriate action to respond to shareholder concerns. This may not apply in cases where BlackRock did not support the initial withhold vote
- The independent chair or lead independent director and / or members of the nominating / governance committee, where a board fails to implement shareholder proposals that receive a majority of votes cast at a prior shareholder meeting, and the proposals, in our view, have a direct and substantial impact on shareholders' fundamental rights or long-term economic interests

## Shareholder rights

We expect a board to act with integrity and to uphold governance best practices. Where we believe a board has not acted in the best interests of its shareholders, we may vote against the appropriate committees and / or individual directors. The following illustrates common circumstances:

- The independent chair or lead independent director and members of the governance committee, where a board implements or renews a poison pill without shareholder approval
- The independent chair or lead independent director and members of the governance committee, where a board amends the charter / articles / bylaws such that the effect may be to entrench directors or to significantly reduce shareholder rights
- Members of the compensation committee where the company has repriced options without shareholder approval
- If a board maintains a classified structure, it is possible that the director(s) with whom we have a particular concern may not be subject to election in the year that the concern arises. In such situations, if we have a concern regarding a committee or committee chair that is not up for re-election, we will generally register our concern by withholding votes from all available members of the relevant committee

### **Board composition and effectiveness**

We encourage boards to periodically renew their membership to ensure relevant skills and experience within the boardroom. To this end, regular performance reviews and skills assessments should be conducted by the nominating / governance committee.

Furthermore, we expect boards to be comprised of a diverse selection of individuals who bring their personal and professional experiences to bear in order to create a constructive debate of competing views and opinions in the boardroom. We recognize that diversity has multiple dimensions. In identifying potential candidates, boards should take into consideration the full breadth of diversity including personal factors, such as gender, ethnicity, and age; as well as professional characteristics, such as a director's industry, area of expertise, and geographic location. In addition to other elements of diversity, we encourage companies to have at least two women directors on their board. Our publicly available commentary explains our approach to engaging on board diversity.

We encourage boards to disclose their views on:

- The mix of competencies, experience, and other qualities required to effectively oversee and guide management in light of the stated long-term strategy of the company
- The process by which candidates are identified and selected, including whether professional firms or other sources outside of incumbent directors' networks have been engaged to identify and / or assess candidates
- The process by which boards evaluate themselves and any significant outcomes of the evaluation process, without divulging inappropriate and / or sensitive details
- The consideration given to board diversity, including, but not limited to, gender, ethnicity, race, age, experience, geographic location, skills, and perspective in the nomination process

While we support regular board refreshment, we are not opposed in principle to long-tenured directors, nor do we believe that long board tenure is necessarily an impediment to director independence. A variety of director tenures within the boardroom can be beneficial to ensure board quality and continuity of experience.

Our primary concern is that board members are able to contribute effectively as corporate strategy evolves and business conditions change, and that all directors, regardless of tenure, demonstrate appropriate responsiveness to shareholders. We acknowledge that no single person can be expected to bring all relevant skill sets to a board; at the same time, we generally do not believe it is necessary or appropriate to have any particular director on the board solely by virtue of a singular background or specific area of expertise.

Where boards find that age limits or term limits are the most efficient and objective mechanism for ensuring periodic board refreshment, we generally defer to the board's determination in setting such limits.

To the extent that we believe that a company has not adequately accounted for diversity in its board composition within a reasonable timeframe, we may vote against the nominating / governance committee for an apparent lack of commitment to board effectiveness.

## Board size

We typically defer to the board in setting the appropriate size and believe directors are generally in the best position to assess the optimal board size to ensure effectiveness. However, we may oppose boards that appear too small to allow for effective shareholder representation or too large to function efficiently.

## CEO and management succession planning

There should be a robust CEO and senior management succession plan in place at the board level that is reviewed and updated on a regular basis. We expect succession planning to cover both long-term planning consistent with the strategic direction of the company and identified leadership needs over time, as well as short-term planning in the event of an unanticipated executive departure. We encourage the company to explain its executive succession planning process, including where accountability lies within the boardroom for this task, without prematurely divulging sensitive information commonly associated with this exercise.

## Classified board of directors / staggered terms

We believe that directors should be re-elected annually and that classification of the board generally limits shareholders' rights to regularly evaluate a board's performance and select directors. While we will typically support proposals requesting board de-classification, we may make exceptions, should the board articulate an appropriate strategic rationale for a classified board structure, such as when a company needs consistency and stability during a time of transition, e.g. newly public companies or companies undergoing a strategic restructuring. A classified board structure may also be justified at non-operating companies in certain circumstances. We would, however, expect boards with a classified structure to periodically review the rationale for such structure and consider when annual elections might be appropriate.

Without a voting mechanism to immediately address concerns of a specific director, we may choose to vote against or withhold votes from the available slate of directors by default (see "Shareholder rights" for additional detail).

## Contested director elections

The details of contested elections, or proxy contests, are assessed on a case-by-case basis. We evaluate a number of factors, which may include: the qualifications of the dissident and management candidates; the validity of the concerns identified by the dissident; the viability of both the dissident's and management's plans; the likelihood that the dissident's solutions will produce the desired change; and whether the dissident represents the best option for enhancing long-term shareholder value.

## Cumulative voting

We believe that a majority vote standard is in the best long-term interest of shareholders. It ensures director accountability via the requirement to be elected by more than half of the votes cast. As such, we will generally oppose proposals requesting the adoption of cumulative voting, which may disproportionately aggregate votes on certain issues or director candidates.

## Director compensation and equity programs

We believe that compensation for directors should be structured to attract and retain the best possible directors, while also aligning their interests with those of shareholders. We believe director compensation packages that are based on the company's long-term value creation and include some form of long-term equity compensation are more likely to meet this goal. In addition, we expect directors to build meaningful share ownership over time.

## Majority vote requirements

BlackRock believes that directors should generally be elected by a majority of the shares voted and will normally support proposals seeking to introduce bylaws requiring a majority vote standard for director elections. Majority voting standards assist in ensuring that directors who are not broadly supported by shareholders are not elected to serve as their representatives. Some companies with a plurality voting standard have adopted a resignation policy for directors who do not receive support from at least a majority of votes cast. Where we believe that the company already has a sufficiently robust majority voting process in place, we may not support a shareholder proposal seeking an alternative mechanism.

## Risk oversight

Companies should have an established process for identifying, monitoring, and managing key risks. Independent directors should have ready access to relevant management information and outside advice, as appropriate, to ensure they can properly oversee risk management. We encourage companies to provide transparency around risk measurement, mitigation, and reporting to the board. We are particularly interested in understanding how risk oversight processes evolve in response to changes in corporate strategy and / or shifts in the business and related risk environment. Comprehensive disclosure provides investors with a sense of the company's long -term operational risk management practices and, more broadly, the quality of the board's oversight. In the absence of robust disclosures, we may reasonably conclude that companies are not adequately managing risk.

## Separation of chairman and CEO

We believe that independent leadership is important in the boardroom. In the U.S. there are two commonly accepted structures for independent board leadership: 1) an independent chairman; or 2) a lead independent director when the roles of chairman and CEO are combined.

In the absence of a significant governance concern, we defer to boards to designate the most appropriate leadership structure to ensure adequate balance and independence.

In the event that the board chooses a combined chair / CEO model, we generally support the designation of a lead independent director if they have the power to: 1) provide formal input into board meeting agendas; 2) call meetings of the independent directors; and 3) preside at meetings of independent directors. Furthermore, while we anticipate that most directors will be elected annually, we believe an element of continuity is important for this role for an extended period of time to provide appropriate leadership balance to the chair / CEO.

The following table illustrates examples of responsibilities under each board leadership model:

		Combined Chair / CEO Model	Separate Chair Model
Board Meetings	Chair / CEO	Lead Director	Chair
	Authority to call full meetings of the board of directors	Attends full meetings of the board of directors Authority to call meetings of independent directors Briefs CEO on issues arising from executive sessions	Authority to call full meetings of the board of directors
Agenda	Primary responsibility for shaping board agendas, consulting with the lead director	Collaborates with chair / CEO to set board agenda and board information	Primary responsibility for shaping board agendas, in conjunction with CEO
Board Communications	Communicates with all directors on key issues and concerns outside of full board meetings	Facilitates discussion among independent directors on key issues and concerns outside of full board meetings, including contributing to the oversight of CEO and management succession planning	Facilitates discussion among independent directors on key issues and concerns outside of full board meetings, including contributing to the oversight of CEO and management succession planning

## AUDITORS AND AUDIT-RELATED ISSUES

BlackRock recognizes the critical importance of financial statements to provide a complete and accurate portrayal of a company's financial condition. Consistent with our approach to voting on boards of directors, we seek to hold the audit committee of the board responsible for overseeing the management of the audit function at a company, and may withhold votes from the audit committee members where the board has failed to facilitate quality, independent auditing. We look to

the audit committee report for insight into the scope of the audit committee responsibilities, including an overview of audit committee processes, issues on the audit committee agenda, and key decisions taken by the audit committee. We take particular note of cases involving significant financial restatements or material weakness disclosures, and we expect timely disclosure and remediation of accounting irregularities.

The integrity of financial statements depends on the auditor effectively fulfilling its role. To that end, we favor an independent auditor. In addition, to the extent that an auditor fails to reasonably identify and address issues that eventually lead to a significant financial restatement, or the audit firm has violated standards of practice that protect the interests of shareholders, we may also vote against ratification.

From time to time, shareholder proposals may be presented to promote auditor independence or the rotation of audit firms. We may support these proposals when they are consistent with our views as described above.

## **CAPITAL STRUCTURE PROPOSALS**

### **Equal voting rights**

BlackRock believes that shareholders should be entitled to voting rights in proportion to their economic interests. We believe that companies that look to add or already have dual or multiple class share structures should review these structures on a regular basis or as company circumstances change. Companies should receive shareholder approval of their capital structure on a periodic basis via a management proposal on the company's proxy. The proposal should give unaffiliated shareholders the opportunity to affirm the current structure or establish mechanisms to end or phase out controlling structures at the appropriate time, while minimizing costs to shareholders. Equal voting rights

BlackRock believes that shareholders should be entitled to voting rights in proportion to their economic interests. We believe that companies that look to add or already have dual or multiple class share structures should review these structures on a regular basis or as company circumstances change. Companies should receive shareholder approval of their capital structure on a periodic basis via a management proposal on the company's proxy. The proposal should give unaffiliated shareholders the opportunity to affirm the current structure or establish mechanisms to end or phase out controlling structures at the appropriate time, while minimizing costs to shareholders.

### **Blank check preferred stock**

We frequently oppose proposals requesting authorization of a class of preferred stock with unspecified voting, conversion, dividend distribution, and other rights ("blank check" preferred stock) because they may serve as a transfer of authority from shareholders to the board and as a possible entrenchment device. We generally view the board's discretion to establish voting rights on a when-issued basis as a potential anti-takeover device, as it affords the board the ability to place a block of stock with an investor sympathetic to management, thereby foiling a takeover bid without a shareholder vote.

Nonetheless, we may support the proposal where the company:

- Appears to have a legitimate financing motive for requesting blank check authority
- Has committed publicly that blank check preferred shares will not be used for anti-takeover purposes
- Has a history of using blank check preferred stock for financings
- Has blank check preferred stock previously outstanding such that an increase would not necessarily provide further anti-takeover protection but may provide greater financing flexibility

### **Increase in authorized common shares**

BlackRock considers industry-specific norms in our analysis of these proposals, as well as a company's history with respect to the use of its common shares. Generally, we are predisposed to support a company if the board believes additional common shares are necessary to carry out the firm's business. The most substantial concern we might have with an increase is the possibility of use of common shares to fund a poison pill plan that is not in the economic interests of shareholders.

### **Increase or issuance of preferred stock**

We generally support proposals to increase or issue preferred stock in cases where the company specifies the voting, dividend, conversion, and other rights of such stock where the terms of the preferred stock appear reasonable.



## Stock splits

We generally support stock splits that are not likely to negatively affect the ability to trade shares or the economic value of a share. We generally support reverse stock splits that are designed to avoid delisting or to facilitate trading in the stock, where the reverse split will not have a negative impact on share value (e.g. one class is reduced while others remain at pre-split levels). In the event of a proposal for a reverse split that would not also proportionately reduce the company's authorized stock, we apply the same analysis we would use for a proposal to increase authorized stock.

## MERGERS, ASSET SALES, AND OTHER SPECIAL TRANSACTIONS

BlackRock's primary concern is the best long-term economic interests of shareholders. While merger, asset sales, and other special transaction proposals vary widely in scope and substance, we closely examine certain salient features in our analyses, such as:

- The degree to which the proposed transaction represents a premium to the company's trading price. We consider the share price over multiple time periods prior to the date of the merger announcement. In most cases, business combinations should provide a premium. We may consider comparable transaction analyses provided by the parties' financial advisors and our own valuation assessments. For companies facing insolvency or bankruptcy, a premium may not apply
- There should be clear strategic, operational, and / or financial rationale for the combination
- Unanimous board approval and arm's-length negotiations are preferred. We will consider whether the transaction involves a dissenting board or does not appear to be the result of an arm's-length bidding process. We may also consider whether executive and / or board members' financial interests in a given transaction appear likely to affect their ability to place shareholders' interests before their own
- We prefer transaction proposals that include the fairness opinion of a reputable financial advisor assessing the value of the transaction to shareholders in comparison to recent similar transactions

## Poison pill plans

Where a poison pill is put to a shareholder vote by management, our policy is to examine these plans individually. Although we oppose most plans, we may support plans that include a reasonable "qualifying offer clause." Such clauses typically require shareholder ratification of the pill and stipulate a sunset provision whereby the pill expires unless it is renewed.

These clauses also tend to specify that an all cash bid for all shares that includes a fairness opinion and evidence of financing does not trigger the pill, but forces either a special meeting at which the offer is put to a shareholder vote, or the board to seek the written consent of shareholders where shareholders could rescind the pill at their discretion. We may also support a pill where it is the only effective method for protecting tax or other economic benefits that may be associated with limiting the ownership changes of individual shareholders.

We generally vote in favor of shareholder proposals to rescind poison pills.

## Reimbursement of expenses for successful shareholder campaigns

We generally do not support shareholder proposals seeking the reimbursement of proxy contest expenses, even in situations where we support the shareholder campaign. We believe that introducing the possibility of such reimbursement may incentivize disruptive and unnecessary shareholder campaigns.

## EXECUTIVE COMPENSATION

We note that there are both management and shareholder proposals related to executive compensation. We generally vote on these proposals as described below, except that we typically oppose shareholder proposals on issues where the company already has a reasonable policy in place that we believe is sufficient to address the issue. We may also oppose a shareholder proposal regarding executive compensation if the company's history suggests that the issue raised is not likely to present a problem for that company.

## **Advisory resolutions on executive compensation (“Say on Pay”)**

In cases where there is a Say on Pay vote, BlackRock will respond to the proposal as informed by our evaluation of compensation practices at that particular company and in a manner that appropriately addresses the specific question posed to shareholders. In a commentary on our website, entitled “[BlackRock Investment Stewardship’s approach to executive compensation](#),” we explain our beliefs and expectations related to executive compensation practices, our Say on Pay analysis framework, and our typical approach to engagement and voting on Say on Pay.

## **Advisory votes on the frequency of Say on Pay resolutions**

BlackRock will generally support triennial pay frequency votes, but we defer to the board to determine the appropriate timeframe upon which pay should be reviewed. In evaluating pay, we believe that the compensation committee is responsible for constructing a plan that appropriately incentivizes executives for long-term value creation, utilizing relevant metrics and structure to ensure overall pay and performance alignment. In a similar vein, we defer to the board to establish the most appropriate timeframe for review of pay structure, absent a change in strategy that would suggest otherwise.

However, we may support an annual pay frequency vote in some situations, for example, where we conclude that a company has failed to align pay with performance. In these circumstances, we will also consider voting against the compensation committee members.

## **Claw back proposals**

We generally favor recoupment from any senior executive whose compensation was based on faulty financial reporting or deceptive business practices. In addition to fraudulent acts, we also favor recoupment from any senior executive whose behavior caused direct financial harm to shareholders, reputational risk to the company, or resulted in a criminal investigation, even if such actions did not ultimately result in a material restatement of past results. This includes, but is not limited to, settlement agreements arising from such behavior and paid for directly by the company. We typically support shareholder proposals on these matters unless the company already has a robust claw back policy that sufficiently addresses our concerns.

## **Employee stock purchase plans**

We believe these plans can provide performance incentives and help align employees’ interests with those of shareholders. The most common form of employee stock purchase plan (“ESPP”) qualifies for favorable tax treatment under Section 423 of the Internal Revenue Code. We will typically support qualified ESPP proposals.

## **Equity compensation plans**

BlackRock supports equity plans that align the economic interests of directors, managers, and other employees with those of shareholders. We believe that boards should establish policies prohibiting the use of equity awards in a manner that could disrupt the intended alignment with shareholder interests (e.g. the use of stock as collateral for a loan; the use of stock in a margin account; the use of stock or an unvested award in hedging or derivative transactions). We may support shareholder proposals requesting the establishment of such policies.

Our evaluation of equity compensation plans is based on a company’s executive pay and performance relative to peers and whether the plan plays a significant role in a pay-for-performance disconnect. We generally oppose plans that contain “evergreen” provisions, which allow for the unlimited increase of shares reserved without requiring further shareholder approval after a reasonable time period. We also generally oppose plans that allow for repricing without shareholder approval. We may also oppose plans that provide for the acceleration of vesting of equity awards even in situations where an actual change of control may not occur. We encourage companies to structure their change of control provisions to require the termination of the covered employee before acceleration or special payments are triggered.

## **Golden parachutes**

We generally view golden parachutes as encouragement to management to consider transactions that might be beneficial to shareholders. However, a large potential pay-out under a golden parachute arrangement also presents the risk of motivating a management team to support a sub-optimal sale price for a company. When determining whether to support or oppose an

advisory vote on a golden parachute plan, we normally support the plan unless it appears to result in payments that are excessive or detrimental to shareholders. In evaluating golden parachute plans, BlackRock may consider several factors, including:

- Whether we believe that the triggering event is in the best interest of shareholders
- Whether management attempted to maximize shareholder value in the triggering event
- The percentage of total premium or transaction value that will be transferred to the management team, rather than shareholders, as a result of the golden parachute payment
- Whether excessively large excise tax gross-up payments are part of the pay-out
- Whether the pay package that serves as the basis for calculating the golden parachute payment was reasonable in light of performance and peers
- Whether the golden parachute payment will have the effect of rewarding a management team that has failed to effectively manage the company

It may be difficult to anticipate the results of a plan until after it has been triggered; as a result, BlackRock may vote against a golden parachute proposal even if the golden parachute plan under review was approved by shareholders when it was implemented.

We may support shareholder proposals requesting that implementation of such arrangements require shareholder approval. We generally support proposals requiring shareholder approval of plans that exceed 2.99 times an executive's current salary and bonus, including equity compensation.

### **Option exchanges**

We believe that there may be legitimate instances where underwater options create an overhang on a company's capital structure and a repricing or option exchange may be warranted. We will evaluate these instances on a case -by-case basis. BlackRock may support a request to reprice or exchange underwater options under the following circumstances:

- The company has experienced significant stock price decline as a result of macroeconomic trends, not individual company performance
- Directors and executive officers are excluded; the exchange is value neutral or value creative to shareholders; tax, accounting, and other technical considerations have been fully contemplated
- There is clear evidence that absent repricing, the company will suffer serious employee incentive or retention and recruiting problems

BlackRock may also support a request to exchange underwater options in other circumstances, if we determine that the exchange is in the best interest of shareholders.

### **Pay-for-Performance plans**

In order for executive compensation exceeding \$1 million USD to qualify for federal tax deductions, related to Section 162(m) of the Internal Revenue Code of 1986, the Omnibus Budget Reconciliation Act ("OBRA") requires companies to link compensation for the company's top five executives to disclosed performance goals and submit the plans for shareholder approval. The law further requires that a compensation committee comprised solely of outside directors administer these plans. Because the primary objective of these proposals is to preserve the deductibility of such compensation, we generally favor approval in order to preserve net income.

### **Supplemental executive retirement plans**

BlackRock may support shareholder proposals requesting to put extraordinary benefits contained in Supplemental Executive Retirement Plans ("SERP") agreements to a shareholder vote unless the company's executive pension plans do not contain excessive benefits beyond what is offered under employee-wide plans.

## **ENVIRONMENTAL AND SOCIAL 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 material environmental and social (“E&S”) factors relevant to their businesses. Robust disclosure is essential for investors to effectively gauge companies’ business practices and planning related to E&S risks and opportunities.

BlackRock expects companies to issue reports aligned with the recommendations of the Task Force on Climate -related Financial Disclosures (TCFD) and the standards put forward by the Sustainability Accounting Standards Board (SASB). We view the SASB and TCFD frameworks as complementary in achieving the goal of disclosing more financially material information, particularly as it relates to industry -specific metrics and target setting. TCFD’s recommendations provide an overarching framework for disclosure on the business implications of climate change, and potentially other E&S factors. We find SASB’s industry-specific guidance (as identified in its materiality map) beneficial in helping companies identify and discuss their governance, risk assessments, and performance against these key performance indicators (KPIs). Any global standards adopted, peer group benchmarking undertaken, and verification process in place should also be disclosed and discussed in this context.

BlackRock has been engaging with companies for several years on disclosure of material E&S factors. Given the increased understanding of sustainability risks and opportunities, and the need for better information to assess them, we specifically ask companies to:

- Publish disclosures in line with industry specific SASB guidelines by year-end, if they have not already done so, or disclose a similar set of data in a way that is relevant to their particular business; and
- Disclose climate-related risks in line with the TCFD’s recommendations, if they have not already done so. This should include the company’s plan for operating under a scenario where the Paris Agreement’s goal of limiting global warming to less than two degrees is fully realized, as expressed by the TCFD guidelines.
- See our [commentary](#) on our approach to engagement on TCFD and SASB aligned reporting for greater detail of our expectations.

We will use these disclosures and our engagements to ascertain whether companies are properly managing and overseeing these risks within their business and adequately planning for the future. In the absence of robust disclosures, investors, including BlackRock, will increasingly conclude that companies are not adequately managing risk.

We believe that when a company is not effectively addressing a material issue, its directors should be held accountable. We will generally engage directly with the board or management of a company when we identify issues. We may vote against the election of directors where we have concerns that a company might not be dealing with E&S factors 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 material E&S factors. In deciding our course of action, we will assess the nature of our engagement with the company on the issue over time, including whether:

- The company has already taken sufficient steps to address the concern
- The company is in the process of actively implementing a response
- There is a clear and material economic disadvantage to the company in the near-term if the issue is not addressed in the manner requested by the shareholder proposal

We do not see it as our role to make social, ethical, or political judgments on behalf of clients, but rather, to protect the long-term economic interests as shareholders. 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.

## Climate risk

Within the framework laid out above, as well as our guidance on [“How BlackRock Investment Stewardship engages on climate risk,”](#) we believe that climate presents significant investment risks and opportunities that may impact the long- term financial sustainability of companies. We believe that the reporting frameworks developed by TCFD and SASB provide useful guidance to companies on identifying, managing, and reporting on climate-related risks and opportunities.

We expect companies to help their investors understand how the company may be impacted by climate risk, in the context of its ability to realize a long-term strategy and generate value over time. We expect companies to convey their governance around this issue through their corporate disclosures aligned with TCFD and SASB. For companies in sectors that are significantly exposed to climate-related risk, we expect the whole board to have demonstrable fluency in how climate risk affects the business and how management approaches assessing, adapting to, and mitigating that risk.

Where a company receives a shareholder proposal related to climate risk, in addition to the factors laid out above, our assessment will take into account the robustness of the company's existing disclosures as well as our understanding of its management of the issues as revealed through our engagements with the company and board members over time. In certain instances, we may disagree with the details of a climate-related shareholder proposal but agree that the company in question has not made sufficient progress on climate-related disclosures. In these instances, we may not support the proposal, but may vote against the election of relevant directors.

### **Corporate political activities**

Companies may engage in certain political activities, within legal and regulatory limits, in order to influence public policy consistent with the companies' values and strategies, and thus serve shareholders' best long-term economic interests. These activities can create risks, including: the potential for allegations of corruption; the potential for reputational issues associated with a candidate, party, or issue; and risks that arise from the complex legal, regulatory, and compliance considerations associated with corporate political activity. We believe that companies which choose to engage in political activities should develop and maintain robust processes to guide these activities and to mitigate risks, including a level of board oversight.

When presented with shareholder proposals requesting increased disclosure on corporate political activities, we may consider the political activities of that company and its peers, the existing level of disclosure, and our view regarding the associated risks. We generally believe that it is the duty of boards and management to determine the appropriate level of disclosure of all types of corporate activity, and we are generally not supportive of proposals that are overly prescriptive in nature. We may decide to support a shareholder proposal requesting additional reporting of corporate political activities where there seems to be either a significant potential threat or actual harm to shareholders' interests, and where we believe the company has not already provided shareholders with sufficient information to assess the company's management of the risk.

Finally, we believe that it is not the role of shareholders to suggest or approve corporate political activities; therefore we generally do not support proposals requesting a shareholder vote on political activities or expenditures.

## **GENERAL CORPORATE GOVERNANCE MATTERS**

### **Adjourn meeting to solicit additional votes**

We generally support such proposals unless the agenda contains items that we judge to be detrimental to shareholders' best long-term economic interests.

### **Bundled proposals**

We believe that shareholders should have the opportunity to review substantial governance changes individually without having to accept bundled proposals. Where several measures are grouped into one proposal, BlackRock may reject certain positive changes when linked with proposals that generally contradict or impede the rights and economic interests of shareholders.

### **Exclusive forum provisions**

BlackRock generally supports proposals to seek exclusive forum for certain shareholder litigation. In cases where a board unilaterally adopts exclusive forum provisions that we consider unfavorable to the interests of shareholders, we will vote against the independent chair or lead independent director and members of the governance committee.

### **Multi-jurisdictional companies**

Where a company is listed on multiple exchanges or incorporated in a country different from its primary listing, we will seek to apply the most relevant market guideline(s) to our analysis of the company's governance structure and specific proposals

on the shareholder meeting agenda. In doing so, we typically consider the governance standards of the company's primary listing, the market standards by which the company governs itself, and the market context of each specific proposal on the agenda. If the relevant standards are silent on the issue under consideration, we will use our professional judgment as to what voting outcome would best protect the long-term economic interests of investors. We expect that companies will disclose the rationale for their selection of primary listing, country of incorporation, and choice of governance structures, in particular where there is conflict between relevant market governance practices.

### **Other business**

We oppose giving companies our proxy to vote on matters where we are not given the opportunity to review and understand those measures and carry out an appropriate level of shareholder oversight.

### **Reincorporation**

Proposals to reincorporate from one state or country to another are most frequently motivated by considerations of anti - takeover protections, legal advantages, and / or cost savings. We will evaluate, on a case-by-case basis, the economic and strategic rationale behind the company's proposal to reincorporate. In all instances, we will evaluate the changes to shareholder protection under the new charter / articles / bylaws to assess whether the move increases or decreases shareholder protections. Where we find that shareholder protections are diminished, we may support reincorporation if we determine that the overall benefits outweigh the diminished rights.

### **IPO governance**

We expect boards to consider and disclose how the corporate governance structures adopted upon initial public offering ("IPO") are in shareholders' best long-term interests. We also expect boards to conduct a regular review of corporate governance and control structures, such that boards might evolve foundational corporate governance structures as company circumstances change, without undue costs and disruption to shareholders. In our letter on unequal voting structures, we articulate our view that "one vote for one share" is the preferred structure for publicly -traded companies. We also recognize the potential benefits of dual class shares to newly public companies as they establish themselves; however, we believe that these structures should have a specific and limited duration. We will generally engage new companies on topics such as classified boards and supermajority vote provisions to amend bylaws, as we believe that such arrangements may not be in the best interest of shareholders in the long-term.

We will typically apply a one-year grace period for the application of certain director-related guidelines (including, but not limited to, director independence and over-boarding considerations), during which we expect boards to take steps to bring corporate governance standards in line with our expectations.

Further, if a company qualifies as an emerging growth company (an "EGC") under the Jumpstart Our Business Startups Act of 2012 (the "JOBS Act"), we will give consideration to the NYSE and NASDAQ governance exemptions granted under the JOBS Act for the duration such a company is categorized as an EGC. We expect an EGC to have a totally independent audit committee by the first anniversary of its IPO, with our standard approach to voting on auditors and audit -related issues applicable in full for an EGC on the first anniversary of its IPO.

## **SHAREHOLDER PROTECTIONS**

### **Amendment to charter / articles / bylaws**

We believe that shareholders should have the right to vote on key corporate governance matters, including on changes to governance mechanisms and amendments to the charter / articles / bylaws. We may vote against certain directors where changes to governing documents are not put to a shareholder vote within a reasonable period of time, in particular if those changes have the potential to impact shareholder rights ( see "Director elections" herein). In cases where a board's unilateral adoption of changes to the charter / articles / bylaws promotes cost and operational efficiency benefits for the company and its shareholders, we may support such action if it does not have a negative effect on shareholder rights or the company's corporate governance structure.

When voting on a management or shareholder proposal to make changes to the charter / articles / bylaws, we will consider in part the company's and / or proponent's publicly stated rationale for the changes, the company's governance profile and history, relevant jurisdictional laws, and situational or contextual circumstances which may have motivated the proposed



changes, among other factors. We will typically support changes to the charter / articles / bylaws where the benefits to shareholders, including the costs of failing to make those changes, demonstrably outweigh the costs or risks of making such changes.

### **Proxy access**

We believe that long-term shareholders should have the opportunity, when necessary and under reasonable conditions, to nominate directors on the company's proxy card.

In our view, securing the right of shareholders to nominate directors without engaging in a control contest can enhance shareholders' ability to meaningfully participate in the director election process, stimulate board attention to shareholder interests, and provide shareholders an effective means of directing that attention where it is lacking. Proxy access mechanisms should provide shareholders with a reasonable opportunity to use this right without stipulating overly restrictive or onerous parameters for use, and also provide assurances that the mechanism will not be subject to abuse by short-term investors, investors without a substantial investment in the company, or investors seeking to take control of the board.

In general, we support market-standardized proxy access proposals, which allow a shareholder (or group of up to 20 shareholders) holding three percent of a company's outstanding shares for at least three years the right to nominate the greater of up to two directors or 20% of the board. Where a standardized proxy access provision exists, we will generally oppose shareholder proposals requesting outlier thresholds.

### **Right to act by written consent**

In exceptional circumstances and with sufficiently broad support, shareholders should have the opportunity to raise issues of substantial importance without having to wait for management to schedule a meeting. We therefore believe that shareholders should have the right to solicit votes by written consent provided that: 1) there are reasonable requirements to initiate the consent solicitation process (in order to avoid the waste of corporate resources in addressing narrowly supported interests); and 2) shareholders receive a minimum of 50% of outstanding shares to effectuate the action by written consent. We may oppose shareholder proposals requesting the right to act by written consent in cases where the proposal is structured for the benefit of a dominant shareholder to the exclusion of others, or if the proposal is written to discourage the board from incorporating appropriate mechanisms to avoid the waste of corporate resources when establishing a right to act by written consent. Additionally, we may oppose shareholder proposals requesting the right to act by written consent if the company already provides a shareholder right to call a special meeting that we believe offers shareholders a reasonable opportunity to raise issues of substantial importance without having to wait for management to schedule a meeting.

### **Right to call a special meeting**

In exceptional circumstances and with sufficiently broad support, shareholders should have the opportunity to raise issues of substantial importance without having to wait for management to schedule a meeting. We therefore believe that shareholders should have the right to call a special meeting in cases where a reasonably high proportion of shareholders (typically a minimum of 15% but no higher than 25%) are required to agree to such a meeting before it is called, in order to avoid the waste of corporate resources in addressing narrowly supported interests. However, we may oppose this right in cases where the proposal is structured for the benefit of a dominant shareholder to the exclusion of others. We generally believe that a right to act via written consent is not a sufficient alternative to the right to call a special meeting.

### **Simple majority voting**

We generally favor a simple majority voting requirement to pass proposals. Therefore, we will support the reduction or the elimination of supermajority voting requirements to the extent that we determine shareholders' ability to protect their economic interests is improved. Nonetheless, in situations where there is a substantial or dominant shareholder, supermajority voting may be protective of public shareholder interests and we may support supermajority requirements in those situations.

