

**Related Issuer List at May 6, 2021
(Additions are highlighted)**

Description	Date Added
<u>RBC Common Shares</u>	
Royal Bank of Canada	
<u>RBC Preferred Shares</u>	
Non-Cumulative 5-Year Rate Reset Preferred Shares Series AZ	February 6, 2014
Non-Cumulative 5-Year Rate Reset Preferred Shares Series BB	June 4, 2014
Non-Cumulative 5-Year Rate Reset Preferred Shares Series BD NVCC	February 11, 2015
Non-Cumulative 5-Year Rate Reset Preferred Shares Series BF NVCC	March 30, 2015
Non-Cumulative Preferred Shares Series BH NVCC	June 5, 2015
Non-Cumulative 5-Year Rate Reset Preferred Shares Series BI NVCC	July 30, 2015
Non-Cumulative Preferred Shares Series BJ NVCC	October 10, 2015
Non-Cumulative 5-Year Rate Reset Preferred Shares Series BK NVCC	December 16, 2015
Non-Cumulative 5-Year Rate Reset Preferred Shares Series BM NVCC	March 7, 2016
Non-Cumulative 5-Year Rate Reset Preferred Shares Series BO NVCC	November 2, 2018
Non-Cumulative 5-Year Fixed Rate Reset First Preferred Shares Series BQ NVCC	September 2, 2020
Non-Cumulative 5-Year Fixed Rate Reset First Preferred Shares Series BR NVCC	October 30, 2020
<u>RBC Covered Bonds</u>	
Royal Bank of Canada \$1.25 billion Floating Rate Covered Bonds due June 27, 2022	June 27, 2019
Royal Bank of Canada \$5.0 billion Floating Rate Covered Bonds due September 27, 2021	September 2, 2020
Royal Bank of Canada \$5.0 billion Floating Rate Covered Bonds due September 27, 2022	September 2, 2020
Royal Bank of Canada \$5.0 billion Floating Rate Covered Bonds due March 27, 2023	September 2, 2020
Royal Bank of Canada \$5.0 billion Floating Rate Covered Bonds due September 27, 2023	September 2, 2020
Royal Bank of Canada \$5.0 billion Floating Rate Covered Bonds due December 1, 2023	September 2, 2020
Royal Bank of Canada \$5.0 billion Floating Rate Covered Bonds due March 1, 2024	September 2, 2020
<u>RBC Limited Recourse Capital Notes</u>	
Royal Bank of Canada Cdn NVCC Limited Recourse Capital Notes, Series 1 due November 24, 2080	September 2, 2020
Royal Bank of Canada Cdn NVCC Limited Recourse Capital Notes, Series 2 due February 24, 2081	October 30, 2020
<u>RBC Subdebt</u>	
Royal Bank of Canada 1.67% Cdn NVCC Subordinated Notes due January 28, 2033	January 28, 2021
Royal Bank of Canada 2.990% Subo+A27:B167rdinated Notes due December 6, 2024	December 10, 2012
Royal Bank of Canada 2.74% Cdn NVCC Subordinated Notes due July 25, 2029	January 3, 2020
Royal Bank of Canada 2.88% Cdn NVCC Subordinated Notes due December 23, 2029	January 3, 2020
Royal Bank of Canada 2.088% Cdn NVCC Subordinated Notes due June 30, 2030	September 2, 2020
Royal Bank of Canada 3.45% Cdn NVCC Subordinated Notes due September 29, 2026	September 29, 2014

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Description	Date Added
Royal Bank of Canada 4.650% US NVCC Subordinates Notes due January 27, 2026	January 13, 2016
<u>External Securities</u>	
Accelerate Arbitrage Fund	April 21, 2021
Accelerate Enhanced Canadian Benchmark Alternative Fund	April 21, 2021
Accelerate OneChoice Alternative Portfolio ETF	February 4, 2021
Almalia Sanlam Active Shariah Global Equity UCITS ETF	March 19, 2021
BMO Covered Call Technology ETF	January 27, 2021
BMO Equal Weight Banks Index ETF	November 18, 2020
BMO Equal Weight Global Base Metals Hedged to CAD Index ETF	March 26, 2021
BMO Equal Weight U.S. Health Care Index ETF	October 31, 2019
BMO Low Volatility International Equity Hedged to CAD ETF	September 9, 2019
BMO Low Volatility U.S. Equity Hedged to CAD ETF	March 31, 2020
BMO MSCI Genomic Innovation Index ETF	January 27, 2021
BMO MSCI Next Gen Internet Innovation Index ETF	January 27, 2021
BMO Short Corporate Bond Index ETF	February 21, 2017
BMO Short Provincial Bond Index ETF	October 6, 2017
BMO Short-Term US IG Corporate Bond Hedged to CAD Index ETF	October 5, 2018
BMO Short-Term US Treasury Bond Index ETF	May 6, 2019
BMO SIA Focused Canadian Equity Fund ETF Series	September 9, 2020
BMO Ultra Short-Term US Bond ETF	May 4, 2021
BMO US High Dividend Covered Call Hedged to CAD ETF	February 8, 2019
BMO US Preferred Share Index ETF	October 2, 2018
BMO US Put Write ETF	March 10, 2021
Brompton Flaherty & Crumrine Investment Grade Preferred ETF	August 19, 2019
CIBC Global Growth ETF	September 4, 2020
CI DoubleLine Total Return Bond US\$ Fund	March 4, 2021
CI First Asset Enhanced Government Bond ETF	May 1, 2019
CI First Asset Investment Grade Bond ETF	May 1, 2019
CI First Asset MSCI Europe Low Risk Weighted ETF	April 12, 2021
CI First Asset MSCI World ESG Impact ETF	March 31, 2020
CI First Asset Short Term Government Bond Index Class ETF	May 1, 2019
CI Marret Alternative Absolute Return Bond Fund	January 29, 2020
CI Munro Alternative Global Growth Fund ETF	March 1, 2021
Desjardins RI Global Multifactor - Fossil Fuel Reserves Free ETF	October 9, 2019
Dynamic Active Investment Grade Floating Rate ETF	March 18 2020

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Description	Date Added
Dynamic Active Preferred Shares ETF	September 3, 2020
Dynamic Active Tactical Bond ETF	February 23, 2018
Emerge Ark Autonomous Tech & Robotics ETF	December 22, 2020
Evolve Active Core Fixed Income ETF	April 12, 2018
Evolve Cyber Security Index Fund (ETF)	January 27, 2020
Exemplar Investment Grade Fund ETF	September 13, 2019
Fidelity International High Dividend Index ETF	April 22, 2021
Fidelity U.S. High Dividend Currency Neutral Index ETF	March 12, 2019
Fidelity U.S. High Quality Currency Neutral Index ETF	January 23, 2020
First Trust AlphaDex Emerging Market Dividend ETF	March 8, 2021
First Trust AlphaDEX U.S. Health Care Sector Index ETF	March 20, 2020
First Trust AlphaDEX U.S. Industrials Sector Index ETF	September 5, 2019
First Trust AlphaDEX U.S. Technology Sector Index ETF	August 12, 2016
First Trust Capital Strength UCITS ETF	January 29, 2020
First Trust Cboe Vest U.S. Equity Buffer ETF - August	October 8, 2019
First Trust Cboe Vest U.S. Equity Buffer ETF - November	April 19, 2021
First Trust Dow Jones Internet ETF	February 22, 2021
First Trust Global Capital Strength ESG Leaders UCITS ETF	March 11, 2021
First Trust Indxx Innovative Transaction and Process ETF	August 29, 2018
First Trust Indxx NextG ETF	April 19, 2021
First Trust Large Cap Core AlphaDEX Fund	April 7, 2021
First Trust Large Cap Growth AlphaDEX Fund	April 7, 2021
First Trust Morningstar Dividend Leaders ETF CAD-Hedged	March 9, 2021
First Trust Nasdaq Clean Edge Green Energy ETF	February 17, 2021
First Trust United Kingdom AlphaDEX UCITS ETF	December 5, 2019
Franklin Liberty Core Plus Bond ETF	March 1, 2021
Franklin Liberty U.S. Investment Grade Corporate ETF (CAD-Hedged)	July 23, 2019
Freedom Day Dividend ETF	May 6, 2021
Global Online Retail UCITS ETF	March 24, 2021
Hamilton Global Financials ETF	July 1, 2020
Harvest U.S. Bank Leaders Income ETF	February 17, 2021
Horizons Active CDN Bond ETF	July 9, 2018
Horizons Active Floating Rate Preferred Share ETF	November 22, 2019

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Description	Date Added
Horizons Active Preferred Share ETF	June 3, 2015
Horizons Big Data & Hardware Index ETF	April 30, 2021
Horizons Global BBIG Technology ETF	April 30, 2021
Horizons Seasonal Rotation ETF	June 6, 2019
Horizons Tactical Absolute Return Bond ETF	February 16, 2021
Horizons US 7-10 Year Treasury Bond ETF	July 12, 2019
IA Clarington Core Plus Bond Fund	March 22, 2021
IA Clarington Emerging Markets Bond Fund	November 9, 2018
IA Clarington Floating Rate Income Fund ETF	November 6, 2019
Invesco 1-3 Year Laddered Floating Rate Note Index ETF	December 7, 2018
Invesco FTSE RAFI Global Small-Mid ETF	July 19, 2019
Invesco FTSE RAFI U.S. Index ETF II	August 1, 2018
Invesco LadderRite U.S. 0-5 Year Corporate Bond Index ETF	August 1, 2018
Invesco S&P 500 Equal Weighted Index ETF	March 20, 2020
Invesco S&P 500 ESG Index ETF	April 12, 2021
Invesco S&P 500 High Dividend Low Volatility Index ETF	August 21, 2020
Invesco S&P 500 Low Volatility Index ETF	May 1, 2019
Invesco S&P 500 Momentum Index ETF	March 17, 2021
Invesco S&P Europe 350 Equal Weight Index ETF-CU	June 19, 2020
iShares 1-5 Year Laddered Government Bond Index ETF	October 18, 2019
iShares 1-10 Year Laddered Corporate Bond Index ETF	June 1, 2016
iShares 1-10 Year Laddered Government Bond Index ETF	October 1, 2012
iShares Canadian Growth Index ETF	May 4, 2021
iShares Canadian Value Index ETF	March 24, 2021
iShares Conservative Short Term Strategy Fixed Income ETF	September 10, 2020
iShares Core MSCI EAFE IMI Index ETF	February 25, 2020
iShares Core MSCI EAFE IMI Index ETF (CAD-Hedged)	May 5, 2015
iShares Core MSCI Emerging Markets IMI Index ETF	October 28, 2019
iShares Core MSCI US Quality Dividend Index ETF	April 20, 2020
iShares Core MSCI US Quality Dividend Index ETF CAD-Hedged	October 18, 2019
iShares Core S&P 500 Index ETF	April 8, 2019
iShares Core S&P U.S. Total Market Index ETF	October 28, 2019
iShares Core S&P U.S. Total Market Index ETF (CAD-Hedged)	May 31, 2019
iShares Edge MSCI Min Vol Global Index ETF (CAD-Hedged)	March 29, 2019
iShares Edge MSCI Min Vol USA Index ETF (CAD-Hedged)	February 26, 2019
iShares ESG Advanced MSCI Canada Index ETF	July 29, 2020
iShares ESG Advanced MSCI EAFE Index ETF	February 12, 2021
iShares ESG Aware MSCI Emerging Markets Index ETF	March 1, 2021
iShares iBonds 2024 Term High Yield and Income ETF	April 27, 2021
iShares MSCI USA Quality Factor Index ETF	January 8, 2021
iShares Premium Money Market ETF	February 12, 2021
iShares S&P/TSX Capped Utilities Index ETF	April 7, 2020

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Description	Date Added
iShares S&P U.S. Mid-Cap Index ETF	April 23, 2021
iShares S&P U.S. Mid-Cap Index ETF (CAD-Hedged)	January 25, 2019
iShares S&P U.S. Small-Cap Index ETF	April 1, 2021
iShares S&P U.S. Small-Cap Index ETF (CAD-Hedged)	February 3, 2021
iShares US IG Corporate Bond Index ETF (CAD-Hedged)	March 30, 2020
John Hancock Corporate Bond ETF	April 1, 2021
Lyxor Euro Stoxx 50 DR UCITS ETF	January 31, 2020
Mackenzie Canadian Short Term Fixed Income ETF	September 9, 2019
Mackenzie US TIPS Index ETF (CAD-Hedged)	July 18, 2018
Manulife Multifactor Developed International Index ETF	March 18, 2020
Manulife Multifactor U.S. Mid-Cap Index ETF	December 20, 2019
Manulife Multifactor U.S. Small-Cap Index ETF	March 31, 2020
Manulife Smart US Dividend ETF	March 23, 2021
Pacer CFRA-Stovall Equal Weight Seasonal Rotation ETF	April 29, 2021
Pacer Military Times Best Employers ETF	April 11, 2018
Picton Mahoney Fortified Long Short Alternative ETF	September 28, 2020
Picton Mahoney Fortified Multi Strategy Alternative Fund ETF	September 26, 2019
PIMCO Investment Grade Credit Fund	October 25, 2017
PIMCO Low Duration Monthly Income Fund Canada	September 11, 2019
PIMCO Managed Core Bond Pool	February 20, 2020
PIMCO Monthly Income Fund (Canada)	November 16, 2018
Purpose Diversified Real Asset Fund	April 9, 2021
Purpose US Dividend Fund	March 19, 2018
RBC 1-5 Year Laddered Canadian Bond ETF	February 18, 2016
RBC 1-5 Year Laddered Corporate Bond ETF	March 8, 2014
RBC BlueBay Global Diversified Income CAD Hedged ETF	January 8, 2018
RBC Canadian Discount Bond ETF	June 14, 2019
RBC Canadian Preferred Share ETF	September 19, 2016
RBC PH&N Short Term Canadian Bond ETF	November 27, 2017
RBC Quant Canadian Dividend Leaders ETF	March 8, 2014
RBC Quant Canadian Equity Leaders ETF	July 2, 2015
RBC Quant EAFE Dividend Leaders CAD Hedged ETF	December 9, 2014
RBC Quant EAFE Dividend Leaders ETF	March 8, 2014
RBC Quant EAFE Equity Leaders ETF	July 2, 2015
RBC Quant EAFE Equity Leaders CAD Hedged ETF	July 2, 2015
RBC Quant Emerging Markets Dividend Leaders ETF	December 9, 2014
RBC Quant Emerging Markets Equity Leaders ETF	February 18, 2016
RBC Quant European Dividend Leaders CAD Hedged ETF	December 9, 2014
RBC Quant European Dividend Leaders ETF	December 9, 2014
RBC Quant US Dividend Leaders CAD Hedged ETF	January 6, 2015
RBC Quant US Dividend Leaders ETF	August 19, 2015
RBC Quant US Equity Leaders CAD Hedged ETF	October 30, 2015

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RBC Quant US Equity Leaders ETF	July 2, 2015
RBC Short Term U.S. Corporate Bond ETF	October 30, 2017
RBC Target 2021 Corporate Bond Index ETF	March 30, 2015
RBC Target 2022 Corporate Bond Index ETF	September 19, 2016
RBC Target 2023 Corporate Bond Index ETF	December 7, 2017
RBC Target 2024 Corporate Bond Index ETF	December 5, 2018
RBC Target 2025 Corporate Bond Index ETF	May 13, 2019
RBC Target 2026 Corporate Bond Index ETF	December 7, 2020
RBC U.S. Banks Yield CAD Hedged Index ETF	September 3, 2019
RBC U.S. Banks Yield Index ETF	May 18, 2018
Russell Investments Fixed Income Pool ETF	April 22, 2020
Russell Investments Global Infrastructure Pool ETF	February 12, 2020
Russell Investments Global Unconstrained Bond Pool ETF	February 5, 2021
Russell Investments Real Assets ETF	February 26, 2020
RWS Holdings PLC	August 30, 2011
SmartETFs Sustainable Energy II ETF	December 15, 2020
Starlight Global Real Estate Fund ETF	October 19, 2020
TD Income Builder ETF	April 30, 2021
TD Morningstar ESG International Equity Index ETF	March 9, 2021
UBS (Irl) ETF plc - MSCI United Kingdom IMI Socially Responsible UCITS ETF	December 31, 2019
Vanguard LifeStrategy 20% Equity UCITS ETF	April 28, 2021
VictoryShares Top Veteran Employers ETF	November 9, 2020
Virtus LifeSci Biotech Product ETF	April 28, 2021
Xtrackers JPX-Nikkei 400 UCITS ETF (DR)	April 13, 2018