**NOVEMBER 13, 2023** 

# FOR THE WEEK ENDING NOVEMBER 10, 2023

41 **ETF Providers** (+3% YoY)

1363 **ETFs** (+15% YoY) \$391B **CAD AUM** (+20% YoY)

\$12.1 **Traded** (Last Week)

# WEEKLY CREATIONS/REDEMPTIONS BY ASSET CLASSES

Equity (C\$910M/+0.4%) and fixed income (C\$401M/+0.4%) led inflows last week

|                       | \$ Traded | Short Int | AUM     | Net C/R | Net C/R (% AUM) |         | )      |
|-----------------------|-----------|-----------|---------|---------|-----------------|---------|--------|
|                       | (CAD M)   | (% of SO) | (CAD M) | (CAD M) | 1-Week          | 1-Month | 1-Year |
| Equity                | 6,604.4   | 1.7%      | 243,302 | 909.7   | 0.4%            | 0.5%    | 7.4%   |
| Fixed Income          | 2,897.0   | 0.3%      | 95,507  | 401.3   | 0.4%            | 1.3%    | 25.0%  |
| Cryptocurrency        | 373.0     | 0.6%      | 3,649   | 172.4   | 5.5%            | 18.9%   | 12.2%  |
| Cash                  | 938.5     | 0.3%      | 23,129  | 105.9   | 0.5%            | 2.8%    | 76.1%  |
| Commodity             | 905.6     | 0.5%      | 2,624   | 35.1    | 1.3%            | 0.7%    | 3.6%   |
| Mixed Allocation      | 166.8     | 0.0%      | 13,955  | 29.3    | 0.2%            | 1.5%    | 15.7%  |
| Specialty/Alternative | 98.2      | 1.4%      | 2,894   | 28.8    | 1.0%            | -1.2%   | 9.0%   |
| Preferreds            | 139.3     | 1.5%      | 5,576   | 16.5    | 0.3%            | -1.0%   | -7.6%  |
| Total                 | 12,122.8  | 1.1%      | 390,636 | 1,699.0 | 0.4%            | 0.9%    | 14.3%  |

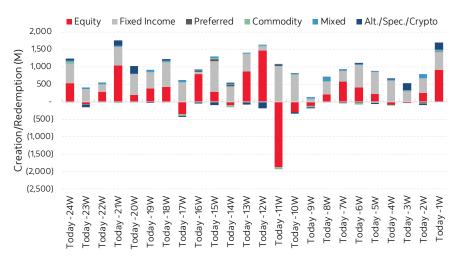
#### WEEKLY LARGEST CREATIONS/REDEMPTIONS

Inflows dominated by Cdn equities (XIC), US equities (ZSP), and long Cdas (ZFL). While Ultra-short term (ZST) and short-term (VSB) led exits.

| Ticker | Name                                | Returns<br>(1-Week) | Short Int<br>(% of SO) | \$ Traded<br>(CAD M) | Net C/R<br>(CAD M) | Net C/R<br>(% of AUM) |
|--------|-------------------------------------|---------------------|------------------------|----------------------|--------------------|-----------------------|
| XIC    | iShares Core S&P/TSX Capped Comp    | -0.9%               | 8.0%                   | 260.4                | 376.5              | 4.3%                  |
| ZSP    | BMO S&P 500 Index ETF               | 2.3%                | 0.4%                   | 601.8                | 260.7              | 2.7%                  |
| NSCB   | NBI Sustainable Canadian Bond ETF   | -0.4%               | 0.0%                   | 201.7                | 199.6              | 10.7%                 |
| ZFL    | BMO Long Federal Bond Index ETF     | -1.0%               | 0.0%                   | 203.3                | 193.7              | 6.8%                  |
| XIU    | iShares S&P/TSX 60 Index ETF        | -0.6%               | 22.2%                  | 861.8                | 87.5               | 0.8%                  |
| HNU    | BetaPro Natural Gas Leveraged Daily | -26.2%              | 1.3%                   | 406.5                | 79.8               | 65.2%                 |
| BTCC/U | Purpose Bitcoin ETF                 | 10.4%               | 0.1%                   | 21.2                 | 74.1               | 21.1%                 |
| ZST    | BMO Ultra Short-Term Bond ETF       | 0.0%                | 0.8%                   | 229.5                | -163.9             | -14.6%                |
| VSB    | Vanguard Canadian Short-Term Bone   | -0.6%               | 0.1%                   | 24.7                 | -60.2              | -5.4%                 |
| XSEM   | iShares ESG Aware MSCI Emerging Ma  | 0.6%                | 0.0%                   | 67.5                 | -58.3              | -2.2%                 |
| ZEA    | BMO MSCI EAFE Index ETF             | 0.1%                | 0.3%                   | 84.2                 | -53.1              | -0.8%                 |
| HND    | BetaPro Natural Gas Inverse Le      | 31.6%               | 8.5%                   | 194.1                | -52.9              | -76.2%                |
| HXT    | Horizon S&P/TSX 60 Index ETF        | -0.6%               | 4.7%                   | 88.4                 | -49.9              | -1.5%                 |
| XEG    | iShares S&P/TSX Capped Energy Ind€  | -3.5%               | 8.1%                   | 519.6                | -44.2              | -2.6%                 |

# HISTORICAL CREATIONS/REDEMPTIONS BY ASSET CLASS

Weekly ETF flows reach highest level since June – Crypto, equity, and bond ETFs powered flows



# LAST WEEK'S MOST ACTIVE ETFS

Investors traded C\$12.1B last week, led by Cdn & US equities and banks (XIU, ZSP, ZEB)

| <b>-</b> : . |                                     | Returns  | Short Int | B/A Spread | \$ Traded | \$ Traded |
|--------------|-------------------------------------|----------|-----------|------------|-----------|-----------|
| Ticker       | Name                                | (1-Week) | (% of SO) | (bps)      | (CAD M)   | vs CR/RD  |
| XIU          | iShares S&P/TSX 60 Index ETF        | -0.6%    | 22.2%     | 1.3        | 861.8     | 9.8 x     |
| ZSP          | BMO S&P 500 Index ETF               | 2.3%     | 0.4%      | 2.0        | 601.8     | 2.3 x     |
| ZEB          | BMO Equal Weight Banks Index ETF    | 0.0%     | 3.6%      | 1.5        | 582.1     | 120.3 x   |
| XEG          | iShares S&P/TSX Capped Energy Ind€  | -3.5%    | 8.1%      | 1.4        | 519.6     | 11.7 x    |
| HNU          | BetaPro Natural Gas Leveraged Daily | -26.2%   | 1.3%      | 1.9        | 406.5     | 5.1 x     |
| QEBL         | Mackenzie Emerging Markets Local Cı | 4.6%     | 0.1%      | 95.9       | 311.8     | N/A       |
| CASH         | Horizons High Interest Savings ETF  | 0.1%     | 0.1%      | 1.1        | 261.8     | 3.9 x     |
| XIC          | iShares Core S&P/TSX Capped Comp    | -0.9%    | 8.0%      | 1.7        | 260.4     | 0.7 x     |
| ZST          | BMO Ultra Short-Term Bond ETF       | 0.0%     | 0.8%      | 2.3        | 229.5     | 1 x       |
| PSA          | Purpose High Interest Savings Fund  | 0.1%     | 0.3%      | 1.1        | 226.5     | 6.5 x     |
| XFN          | iShares S&P/TSX Capped Financials I | 0.2%     | 1.4%      | 2.1        | 205.1     | 5.3 x     |
| ZFL          | BMO Long Federal Bond Index ETF     | -1.0%    | 0.0%      | 1.9        | 203.3     | 1.0 x     |
| NSCB         | NBI Sustainable Canadian Bond ETF   | -0.4%    | 0.0%      | 8.9        | 201.7     | 1.0 x     |
| HND          | BetaPro Natural Gas Inverse Le      | 31.6%    | 8.5%      | 12.9       | 194.1     | 3.7 x     |

#### **EQUITY FUND FLOWS**

# Last Week's Net Creations/Redemptions by Strategy & Sector

Investors bought blend (C\$947M/+0.5%) and financials (C\$113M/+0.9%) ETFs

|                  | \$ Traded | Short Int | AUM     | 1-Week C/R | Net C/R (% AUM) |         |        |
|------------------|-----------|-----------|---------|------------|-----------------|---------|--------|
|                  | (CAD M)   | (% of SO) | (CAD M) | (CAD M)    | 1-Week          | 1-Month | 1-Year |
| Blend            | 5,252.6   | 2.5%      | 174,424 | 947.4      | 0.5%            | 0.8%    | 7.6%   |
| Dividend/Income  | 300.1     | 0.2%      | 14,733  | 72.2       | 0.5%            | 0.0%    | 15.5%  |
| Multi-Factor     | 12.8      | 0.0%      | 1,926   | 4.7        | 0.2%            | 0.6%    | -13.5% |
| Value            | 70.1      | 0.2%      | 5,610   | 6.5        | 0.1%            | 0.8%    | 1.0%   |
| Low Volatility   | 77.8      | 0.1%      | 5,534   | 1.9        | 0.0%            | 0.2%    | 11.5%  |
| Momentum         | 0.4       | 0.0%      | 49      | -          | -               | -6.0%   | -14.8% |
| Growth           | 543.2     | 0.5%      | 33,787  | -59.0      | -0.2%           | -1.0%   | -0.9%  |
| ESG/SRI          | 79.4      | 0.0%      | 6,582   | -57.5      | -0.9%           | -1.0%   | 63.6%  |
| Leverage/Inverse | 271.0     | 0.0%      | 656     | -6.4       | -1.0%           | -9.5%   | -16.7% |
| Total            | 6,607.4   | 1.7%      | 243,302 | 909.7      | 0.4%            | 0.5%    | 7.4%   |
| Preferreds       | 139.3     | 1.5%      | 5,576   | 16.5       | 0.3%            | -1.0%   | -7.6%  |

|                     | \$ Traded | Short Int | AUM     | 1-Week C/R | Net C/R (% AUM) |         |        |
|---------------------|-----------|-----------|---------|------------|-----------------|---------|--------|
|                     | (CAD M)   | (% of SO) | (CAD M) | (CAD M)    | 1-Week          | 1-Month | 1-Year |
| Communications      | 0.9       | 2.4%      | 33      | 1.4        | 4.7%            | 11.9%   | 58.0%  |
| Utilities           | 98.2      | 2.2%      | 2,612   | 35.5       | 1.4%            | 2.8%    | 15.9%  |
| Financials          | 942.4     | 0.8%      | 13,078  | 113.0      | 0.9%            | 0.9%    | 22.5%  |
| Real Estate         | 135.6     | 1.0%      | 2,695   | 19.8       | 0.7%            | 2.1%    | -0.7%  |
| Info Tech           | 91.1      | 0.2%      | 4,468   | 13.4       | 0.3%            | -0.8%   | 15.1%  |
| Cons. Discretionary | -         | 0.1%      | 343     | 1.0        | 0.3%            | 2.0%    | 30.2%  |
| Consumer Staples    | 31.0      | 0.2%      | 249     | 0.0        | 0.0%            | -0.4%   | 2.8%   |
| Materials           | 171.3     | 1.4%      | 1,893   | -4.7       | -0.2%           | 0.4%    | -7.3%  |
| Health Care         | 36.6      | 0.1%      | 3,015   | -8.5       | -0.3%           | 0.1%    | 13.7%  |
| Thematic            | 130.9     | 0.0%      | 12,988  | -36.0      | -0.3%           | -1.6%   | 45.3%  |
| Energy              | 584.5     | 3.8%      | 3,819   | -48.0      | -1.2%           | -2.2%   | -15.4% |
| Industrials         | 4.9       | 0.1%      | 134     | -1.7       | -1.3%           | -14.7%  | -20.5% |
| Sector Subtotal     | 2,227.4   | 1.1%      | 45,325  | 85.4       | 0.5%            | 0.6%    | 7.3%   |

# Last Week's Net Creations/Redemptions by Geography

Investors exited EM regional ETFs, while adding to US and Canada

|                      | \$ Traded | Short Int | AUM     | 1-Week C/R | Ne     | t C/R (% AUM | )      |
|----------------------|-----------|-----------|---------|------------|--------|--------------|--------|
|                      | (CAD M)   | (% of SO) | (CAD M) | (CAD M)    | 1-Week | 1-Month      | 1-Year |
| Canada               | 3,463.7   | 4.4%      | 81,191  | 597.4      | 0.7%   | 0.6%         | 7.7%   |
| United States        | 2,074.6   | 0.1%      | 84,060  | 370.4      | 0.5%   | 0.7%         | 0.7%   |
| Global/International | 811.9     | 0.2%      | 60,108  | 2.1        | 0.0%   | 0.3%         | 10.1%  |
| DM Regional/Country  | 177.2     | 0.1%      | 14,437  | 0.1        | 0.0%   | -0.1%        | 10.9%  |
| EM Regional/Country  | 77.0      | 0.0%      | 3,506   | -60.3      | -1.7%  | -2.8%        | 381.9% |
| Total                | 6,604.4   | 1.7%      | 243,302 | 909.7      | 0.4%   | 0.5%         | 7.4%   |

# FIXED INCOME, CURRENCIES AND COMMODITIES FUND FLOWS

# Last Week's Net Creations/Redemptions by Strategy & Term/Rating

Fixed income investors bought cash, universe, govies, HY, long- & mixed maturities

|                     | \$ Traded | Short Int | AUM     | 1-Week C/R | Ne     | Net C/R (% AUM) |        |  |
|---------------------|-----------|-----------|---------|------------|--------|-----------------|--------|--|
|                     | (CAD M)   | (% of SO) | (CAD M) | (CAD M)    | 1-Week | 1-Month         | 1-Year |  |
| Government          | 951.7     | 0.1%      | 18,316  | 294.4      | 1.6%   | 1.0%            | 56.4%  |  |
| Target Date         | 95.0      | 0.3%      | 1,177   | 13.1       | 1.1%   | 12.6%           | 320.2% |  |
| Aggregate           | 2261.2    | 0.1%      | 51,517  | 90.8       | 0.2%   | 2.2%            | 35.3%  |  |
| Corporate           | 428.0     | 0.7%      | 22,510  | 8.5        | 0.0%   | -0.2%           | 12.0%  |  |
| Bank Loans          | 6.1       | 0.1%      | 987     | -0.2       | -0.0%  | 2.1%            | -16.9% |  |
| Convertible         | 1.4       | 0.0%      | 144     | -0.5       | -0.3%  | -1.8%           | -9.6%  |  |
| Inflation Protected | 13.2      | 0.3%      | 854     | -4.8       | -0.6%  | -0.2%           | -10.5% |  |
| FI Subtotal         | 3,756.5   | 0.3%      | 95,507  | 401.3      | 0.4%   | 1.3%            | 25.0%  |  |
| Commodity           | 905.6     | 0.5%      | 2,624   | 35.1       | 1.3%   | 0.7%            | 3.6%   |  |
| Cash/Currency       | 938.5     | 0.3%      | 23,129  | 105.9      | 0.5%   | 2.8%            | 76.1%  |  |
| FICC Total          | 5,600.6   |           | 121,260 | 542.2      | 0.4%   |                 |        |  |

|                  | \$ Traded | Short Int | AUM     | 1-Week C/R | Ne     | t C/R (% AUM) | )      |
|------------------|-----------|-----------|---------|------------|--------|---------------|--------|
|                  | (CAD M)   | (% of SO) | (CAD M) | (CAD M)    | 1-Week | 1-Month       | 1-Year |
| High Yield       | 268.5     | 0.1%      | 7,665   | 154.9      | 2.1%   | 1.5%          | 40.0%  |
| IG A or Higher   | 1339.2    | 0.1%      | 50,300  | 346.6      | 0.7%   | 1.5%          | 27.3%  |
| IG BBB or higher | 1289.3    | 0.5%      | 37,542  | -100.2     | -0.3%  | 1.1%          | 19.4%  |
| FI Total         | 2,897.0   | 0.3%      | 95,507  | 401.3      | 0.4%   | 1.3%          | 25.0%  |

|              | \$ Traded | Short Int | AUM     | 1-Week C/R | Ne     | et C/R (% AUM | )      |
|--------------|-----------|-----------|---------|------------|--------|---------------|--------|
|              | (CAD M)   | (% of SO) | (CAD M) | (CAD M)    | 1-Week | 1-Month       | 1-Year |
| Long-Term    | 437.3     | 0.2%      | 9,677   | 302.7      | 3.2%   | 8.6%          | 61.0%  |
| Mixed        | 1238.6    | 0.4%      | 50,162  | 311.2      | 0.6%   | 1.5%          | 23.8%  |
| Short-Term   | 408.8     | 0.1%      | 14,882  | 1.8        | 0.0%   | 0.0%          | -2.0%  |
| Intermediate | 297.7     | 0.1%      | 15,742  | -43.1      | -0.3%  | -0.7%         | 36.7%  |
| Ultra Short  | 514.5     | 0.6%      | 5,044   | -171.3     | -3.3%  | -2.7%         | 55.1%  |
| FI Total     | 2,897.0   | 0.3%      | 95,507  | 401.3      | 0.4%   | 1.3%          | 25.0%  |

# Last Week's Net Commodity-Linked Creations/Redemptions

After several weeks of outflows, energy ETFs finally seeing entries

| \$ Traded | Short Int  | AUM   | 1-Week C/R  | Ne  | t C/R (% AUM)   | )   |
|-----------|--|---|---|---|---|---|
| (CAD M)   | (% of SO)  | (CAD M)   | (CAD M)   | 1-Week  | 1-Month   | 1-Year  |
| 601.2     | 1.5%   | 217   | 26.9  | 13.0%   | 2.2%  | 84.4%   |
| 256.8     | 1.3%   | 205   | 13.3  | 6.9%  | 12.8%   | -9.4%   |
| 858.0     | 1.4%   | 422   | 40.2  | 10.0%   | 7.0%  | 31.0%   |
| 18.4      | 0.7%   | 305   | -0.0  | -0.0%   | -1.3%   | -11.0%  |
| 22.3      | 0.1%   | 1,764   | -1.1  | -0.1%   | -0.2%   | -4.5%   |
| 7.0       | 0.1%   | 135   | -4.0  | -2.9%   | -3.2%   | 167.0%  |
| 905.6     | 0.5%   | 2,624   | 35.1  | 1.3%  | 0.7%  | 3.6%  |
|           | (CAD M)<br>601.2<br>256.8<br><b>858.0</b><br>18.4<br>22.3<br>7.0 | (CAD M)         (% of SO)           601.2         1.5%           256.8         1.3%           858.0         1.4%           18.4         0.7%           22.3         0.1%           7.0         0.1% | (CAD M)         (% of SO)         (CAD M)           601.2         1.5%         217           256.8         1.3%         205           858.0         1.4%         422           18.4         0.7%         305           22.3         0.1%         1,764           7.0         0.1%         135 | (CAD M)         (% of SO)         (CAD M)         (CAD M)           601.2         1.5%         217         26.9           256.8         1.3%         205         13.3           858.0         1.4%         422         40.2           18.4         0.7%         305         -0.0           22.3         0.1%         1,764         -1.1           7.0         0.1%         135         -4.0 | (CAD M)         (% of SO)         (CAD M)         (CAD M)         1-Week           601.2         1.5%         217         26.9         13.0%           256.8         1.3%         205         13.3         6.9%           858.0         1.4%         422         40.2         10.0%           18.4         0.7%         305         -0.0         -0.0%           22.3         0.1%         1,764         -1.1         -0.1%           7.0         0.1%         135         -4.0         -2.9% | (CAD M)         (% of SO)         (CAD M)         (CAD M)         1-Week         1-Month           601.2         1.5%         217         26.9         13.0%         2.2%           256.8         1.3%         205         13.3         6.9%         12.8%           858.0         1.4%         422         40.2         10.0%         7.0%           18.4         0.7%         305         -0.0         -0.0%         -1.3%           22.3         0.1%         1,764         -1.1         -0.1%         -0.2%           7.0         0.1%         135         -4.0         -2.9%         -3.2% |

#### 3

#### CRYPTOCURRENCY FUND FLOWS

#### Last Week's Net Creations/Redemptions by Strategy

SEC open to talks with Grayscale drives elevated entries into Cdn bitcoin ETFs

|              | \$ Traded | Short Int | AUM     | 1-Week C/R | Ne     | t C/R (% AUM | )      |
|--------------|-----------|-----------|---------|------------|--------|--------------|--------|
|              | (CAD M)   | (% of SO) | (CAD M) | (CAD M)    | 1-Week | 1-Month      | 1-Year |
| Bitcoin      | 275.5     | 0.3%      | 2,699   | 172.1      | 7.4%   | 26.9%        | 30.0%  |
| Multi-Crypto | 5.3       | 0.4%      | 40      | 1.0        | 2.9%   | 3.2%         | -9.2%  |
| Ether        | 92.2      | 1.7%      | 909     | -0.7       | -0.1%  | 0.3%         | -20.6% |
| Total        | 373.0     | 0.6%      | 3,649   | 172.4      | 5.5%   | 18.9%        | 12.2%  |

# Last Week's Net Creations/Redemptions by Provider

Crypto ETFs from Purpose, Fidelity, and CI saw the largest inflows (as % of AuM)

|          | # of Crypto | AUM     | Market | Net C/R | Ne     | t C/R (% AUM | )      |
|----------|-------------|---------|--------|---------|--------|--------------|--------|
|          | ETFs        | (CAD M) | Share  | (CAD M) | 1-Week | 1-Month      | 1-Year |
| Purpose  | 13          | 1,937   | 53.1%  | 122.7   | 7.4%   | 19.9%        | 43.8%  |
| CIETFs   | 6           | 1,173   | 32.1%  | 46.9    | 4.7%   | 17.9%        | 17.1%  |
| Evolve   | 6           | 229     | 6.3%   | 1.9     | 0.9%   | 16.7%        | 17.8%  |
| 3iQ      | 2           | 168     | 4.6%   | -3.3    | -2.1%  | 29.8%        | -93.0% |
| Fidelity | 3           | 118     | 3.2%   | 4.2     | 4.0%   | 12.4%        | 129.4% |
| Horizons | 1           | 23      | 0.6%   | -       | -      | 0.0%         | -1.6%  |
| Total    | 31          | 3,649   | 100.0% | 172.4   | 5.5%   | 18.9%        | 12.2%  |

#### **ACTIVE STRATEGIES FUND FLOWS**

#### Last Week's Net Creations/Redemptions by Strategy

Dividend and true active strategies drove outsized inflows into active last week

|                     | \$ Traded | Short Int | AUM     | 1-Week C/R | Ne     | t C/R (% AUM) |        |
|---------------------|-----------|-----------|---------|------------|--------|---------------|--------|
|                     | (CAD M)   | (% of SO) | (CAD M) | (CAD M)    | 1-Week | 1-Month       | 1-Year |
| Dividend/Income     | 231.5     | 0.1%      | 9,586   | 65.7       | 0.7%   | 2.4%          | 23.7%  |
| True Active         | 1,687.9   | 0.1%      | 69,088  | 197.0      | 0.3%   | 0.2%          | 17.4%  |
| Proprietary         | 21.7      | 0.2%      | 2,761   | 4.9        | 0.2%   | -2.3%         | -10.2% |
| Factor/Multi-Factor | 61.7      | 0.1%      | 6,080   | 8.2        | 0.1%   | 0.7%          | -2.1%  |
| Mixed Allocation    | 129.5     | 0.0%      | 12,760  | 12.8       | 0.1%   | 1.4%          | 17.7%  |
| Smart Beta          | 10.3      | 0.1%      | 663     | -7.0       | -1.0%  | -1.1%         | -51.3% |
| Total               | 2,142.7   | 0.1%      | 100,939 | 281.7      | 0.3%   | -0.1%         | 23.3%  |

# Last Week's Net Creations/Redemptions by Asset Class

Within active, equity and fixed income were favoured asset classes

|                       | \$ Traded<br>(CAD M) | Short Int<br>(% of SO) | AUM<br>(CAD M) | Net C/R<br>(CAD M) | Net C/R (% AUM) 1-Week 1-Month 1-Year |       |       |
|-----------------------|----------------------|------------------------|----------------|--------------------|---------------------------------------|-------|-------|
| Specialty/Alternative | 108.2                | 0.2%                   | 3.285          | 39.4               | 1.2%                                  | 0.6%  | 10.3% |
| Fixed Income          | 1,143.2              | 0.1%                   | 31,512         | 110.5              | 0.4%                                  | 0.4%  | 18.3% |
| Mixed Allocation      | 166.5                | 0.0%                   | 13,935         | 29.9               | 0.2%                                  | 1.5%  | 15.9% |
| Equity                | 717.4                | 0.1%                   | 52,012         | 105.9              | 0.2%                                  | 0.3%  | 12.7% |
| Commodity             | 7.3                  | 0.1%                   | 194            | -4.0               | -2.0%                                 | -3.4% | 59.5% |
| Total                 | 2,142.7              | 0.1%                   | 100,939        | 281.7              | 0.3%                                  | -0.1% | 23.3% |

# **ESG-FOCUSED FUND FLOWS**

# Last Week's Net Creations/Redemptions by ESG Attribute

Insti-like activity drives ESG flows: entries into Sustainable Bonds, exits from EM ESG equities

|                      | \$ Traded | Short Int | AUM     | 1-Week C/R | Ne     | t C/R (% AUM) | /R (% AUM) |  |
|----------------------|-----------|-----------|---------|------------|--------|---------------|------------|--|
|                      | (CAD M)   | (% of SO) | (CAD M) | (CAD M)    | 1-Week | 1-Month       | 1-Year     |  |
| Broad ESG            | 302.8     | 0.1%      | 12,283  | 150.0      | 1.2%   | 0.1%          | 75.2%      |  |
| Socially Responsible | 7.0       | 0.1%      | 1,183   | -          | -      | 0.1%          | 7.7%       |  |
| Clean Energy         | 6.0       | 0.0%      | 110     | -0.0       | -0.0%  | 0.3%          | -4.7%      |  |
| Env. Friendly        | 4.4       | 0.0%      | 1,335   | -6.3       | -0.5%  | -2.5%         | -7.9%      |  |
| Climate Change       | 1.9       | 0.1%      | 119     | -1.7       | -1.4%  | -1.9%         | -7.7%      |  |
| Total                | 322.1     | 0.1%      | 15,029  | 142.0      | 1.0%   | -0.8%         | 12.5%      |  |

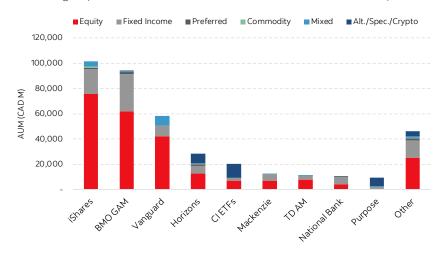
#### **PROVIDER MARKET SHARE**

41 Providers have total AuM of C\$391B (+20% YoY)

|                    | # of  | AUM     | Market | Net C/R (% AUM) |         |        |  |
|--------------------|-------|---------|--------|-----------------|---------|--------|--|
| Providers          | ETFs  | (CAD M) | Share  | 1-Week          | 1-Month | 1-Year |  |
| iShares            | 161   | 101,408 | 26.0%  | 0.5%            | 1.5%    | 6.9%   |  |
| BMO GAM            | 193   | 93,645  | 24.0%  | 0.2%            | 0.3%    | 8.3%   |  |
| Vanguard           | 37    | 58,053  | 14.9%  | 0.0%            | 0.4%    | 12.3%  |  |
| Horizons           | 124   | 28,219  | 7.2%   | 0.4%            | 0.5%    | 25.9%  |  |
| CIETFs             | 135   | 20,276  | 5.2%   | 0.4%            | 1.8%    | 36.8%  |  |
| Mackenzie          | 48    | 12,310  | 3.2%   | 0.1%            | -2.6%   | -1.1%  |  |
| TD AM              | 47    | 11,057  | 2.8%   | 0.4%            | 1.6%    | 32.4%  |  |
| National Bank      | 15    | 10,369  | 2.7%   | 1.9%            | 1.2%    | 63.0%  |  |
| Purpose            | 71    | 9,223   | 2.4%   | 1.1%            | 3.9%    | 36.1%  |  |
| RBC GAM            | 49    | 5,466   | 1.4%   | 1.6%            | 5.6%    | 54.4%  |  |
| Invesco            | 56    | 5,011   | 1.3%   | 0.1%            | -1.4%   | 15.6%  |  |
| Fidelity           | 43    | 4,895   | 1.3%   | 1.8%            | 3.6%    | 52.2%  |  |
| Harvest Portfolios | 30    | 3,451   | 0.9%   | 0.3%            | 1.7%    | 30.9%  |  |
| Evolve             | 51    | 3,401   | 0.9%   | 0.4%            | 0.5%    | 49.2%  |  |
| Other (27)         | 303   | 23,853  | 6.1%   | 0.4%            | 0.9%    | 10.1%  |  |
| Total              | 1,363 | 390,636 | 100.0% | 0.4%            | 0.9%    | 14.3%  |  |

## **ASSET MIX BY PROVIDER**

The five largest providers account for ~77% of the ETF Canadian landscape



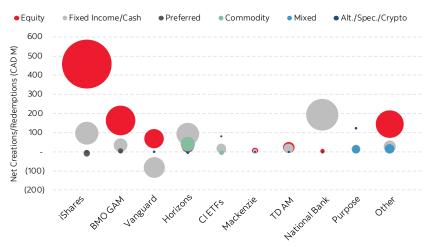
#### LAST WEEK'S LARGEST NET CREATIONS/REDEMPTIONS BY PROVIDER

Arrow Capital and National Bank gathered the most assets (as % of AuM) last week

|                      | Average<br>Fund Size | AUM      | Net C/R | Net C/R (% AUM) |         |        |
|----------------------|----------------------|----------|---------|-----------------|---------|--------|
| Providers            | (CAD M)              | (CAD M)  | (CAD M) | 1-Week          | 1-Month | 1-Year |
| Arrow Capital        | 19.5                 | 58.4     | 2.8     | 5.0%            | 15.5%   | 54.1%  |
| National Bank        | 691.3                | 10,368.9 | 195.3   | 1.9%            | 1.2%    | 63.0%  |
| Lysander             | 27.0                 | 80.9     | 1.5     | 1.9%            | -0.0%   | -0.1%  |
| Fidelity             | 113.8                | 4,895.3  | 85.3    | 1.8%            | 3.6%    | 52.2%  |
| RBC GAM              | 111.6                | 5,466.1  | 88.0    | 1.6%            | 5.6%    | 54.4%  |
| Hamilton Capital     | 171.3                | 2,911.4  | 45.9    | 1.6%            | 4.5%    | 77.8%  |
| Purpose              | 129.9                | 9,222.6  | 153.8   | 1.1%            | 3.9%    | 36.1%  |
| Bristol Gate Capital | 122.1                | 366.2    | 3.8     | 1.1%            | 1.1%    | 7.3%   |
| 3iQ                  | 84.0                 | 167.9    | -3.3    | -2.1%           | 29.8%   | -93.0% |
| Accelerate Financial | 16.1                 | 64.2     | -0.4    | -0.6%           | 0.4%    | -4.8%  |
| IA Clarington        | 12.9                 | 103.3    | -0.5    | -0.5%           | -2.7%   | -6.6%  |
| Desjardins           | 88.5                 | 1,770.7  | -4.2    | -0.2%           | 0.2%    | -0.8%  |
| AGF Investments      | 93.1                 | 1,117.2  | -2.5    | -0.2%           | -3.6%   | -4.4%  |
| Middlefield          | 76.7                 | 460.5    | -0.6    | -0.1%           | -1.2%   | -2.1%  |
| Manulife             | 99.3                 | 2,580.9  | -2.6    | -0.1%           | -2.0%   | 1.3%   |
| Vanguard             | 1,569.0              | 58,052.7 | -12.3   | -0.0%           | 0.4%    | 12.3%  |

# WEEKLY CREATIONS/REDEMPTIONS BY ASSET CLASS

XIC, XIU, XFN flows easily dwarf CR/RD activity across other asset classes and issuers



# Contacts

#### Alex Perel, CFA

MD & Head of ETF services 416.862.3158 Scotia capital Inc. Canada alex.perel@scotiabank.com

#### Jean-Francois Boilard, CFA

Associate Director, ETF Services 416.863.7295 Scotia Capital Inc. Canada jean-francois.boilard@scotiabank.com

# Daniela Fajardo, MBA

Associate Director, ETF Services 416.860.1023 Scotia Capital Inc. Canada daniela.fajardogarcia@scotiabank.com

# Morley Conn, CFA

Director, ETF Services 416.863.7882 Scotia Capital Inc. Canada morley.conn@scotiabank.com

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