

August 2024: A Record Month for Precious Metal ETFs

- *ETFs gathered \$4.2 billion in August, bringing year-to-date inflows to \$43 billion*
- *Demand for passive U.S. equity was strong, even as markets corrected early in the month*
- *24 new ETFs launched in August, a large number because of a new single-stock product suite from Harvest*
- *Institutional activity in a new BMO gold ETF propelled the commodity asset class to a record month of inflow*

Summary: In August, Canadian ETFs gathered \$4.2 billion in creations, bringing 2024’s year-to-date inflows to \$43 billion. Commodity ETFs finally made a comeback with a fresh \$576 million in creations just as the gold bullion price touched the \$2,500/ounce milestone in August for the first time. (Almost all of this inflow, however, came on the back of a relatively new gold bullion ETF from BMO and institutional allocation into that product, **ZGLD**). Equity ETFs welcomed \$1.6 billion in flows, with U.S. and International Equities on the positive side while Canadian equities suffered outflows. Fixed Income ETFs enjoyed inflows of \$1.1 billion, with opposing trends in different categories. Crypto-asset ETFs had inflows of \$102 million, split between Bitcoin and Ethereum ETFs.

Flows by Asset Class, Category and Product: (Table 1 & Tables 4 - 11)

Equity ETF inflows primarily concentrated in market cap-weighted ETFs, especially broad and large cap ETFs such as **XUS**, **VFV** and **ZSP**. Small-cap and mid-cap ETF inflows surged in July, but investors scaled back their interest in August, responding to heightened volatility in the market by allocating to “default” passive positions. Demand for vanilla large-cap or broad-cap exposure tends to act counter-cyclically with actual market performance. Chart 2 shows that during the first week of August, inflows into U.S. equity ETFs were at their highest, just as the S&P 500 was selling off sharply following some weak jobs numbers. This can happen if investors are selling individual stocks and then moving the proceeds into passive ETFs to equitize their positions, showing once again that ETFs can act as stabilization valves during a rough market downturn.

Another growth area for equity ETFs is in the “Other” category: “all equity” asset allocation ETFs (such as **XEQT** and **VEQT**, which have no exposure to fixed income) have surged in demand this year, pulling in an average of \$400

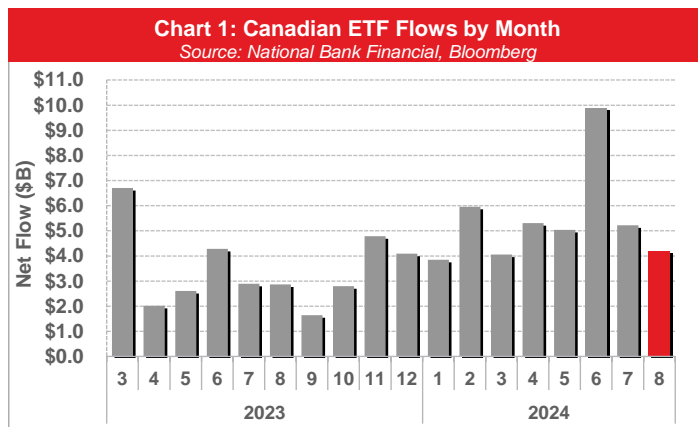
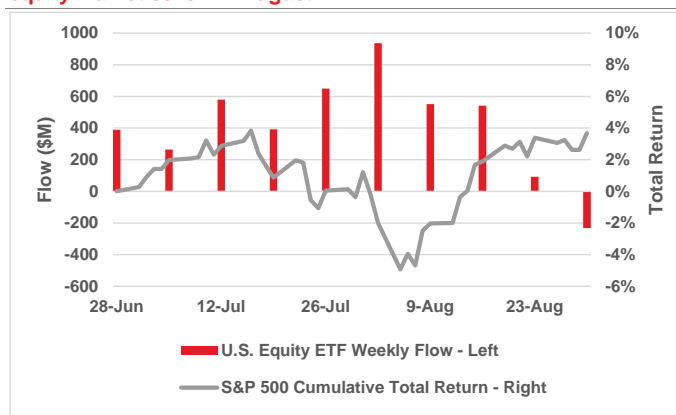


Table 1 - ETF Flows by Category - YTD Aug 2024

	AUM (\$M)	Mkt Shr (%)	Aug 2024		YTD Aug 2024	
			Flow \$M	Flow/AUM	Flow \$M	Flow/AUM
Equity	\$291,353		\$1,647	0.6%	\$23,387	10.0%
Canada	\$90,003	19%	-\$1,029	-1.1%	\$506	0.6%
United States	\$111,415	24%	\$1,932	1.8%	\$12,980	15.8%
International	\$89,935	19%	\$744	0.8%	\$9,901	14.5%
Fixed Income	\$136,554	29%	\$1,143	0.8%	\$15,002	12.5%
Commodities	\$2,521	1%	\$576	30.1%	\$621	38.6%
Multi-Asset	\$24,785	5%	\$530	2.2%	\$3,437	17.8%
Inverse / Levered	\$5,083	1%	\$216	4.5%	\$972	25.5%
Crypto-Asset	\$5,504	1%	\$102	1.6%	-\$432	-9.4%
Total	\$465,801	100%	\$4,214	0.9%	\$42,987	11.2%

*Equity Flows include option strategies;
Source: National Bank of Canada, Bloomberg

Chart 2: U.S. Equity ETFs received strong inflows during the U.S. equity market selloff in August



Source: NBF ETF Research, Bloomberg. Data as of August 31, 2024.

million per month. In August, the all-equity asset allocation ETFs posted another \$465 million haul, while Canadian equities bled a net \$1 billion. Broad Canadian market (XIC, ZCN, HXT), Canadian financial sector (ZEB), Canadian energy sector (XEG) led the outflows. Low volatility ETFs saw large redemptions in August led by MKC (Mackenzie Max Diversification Canada Index ETF). Developed markets and emerging markets ETFs were flat on the month in terms of net flows.

Fixed Income ETF inflows totalled \$1.1 billion. We observe outflows from PFL (Invesco 1-3 Year Laddered floating rate) and large outflows from long-term government bond ETFs, led by institutional redemptions from TCLB (TD Canadian

Long Fed bond). Outflows from cash deposit ETFs reached over \$300 million, almost matching the inflow into Money market ETFs. The Bank of Canada lowered its overnight rate for the second time in July, and cash deposit ETFs such as HSAV and CSAV both showed up on the outflow leaderboard. Meanwhile, money market securities ETFs with slightly higher yield (CMR and ZMMK) topped the inflow leaderboard.

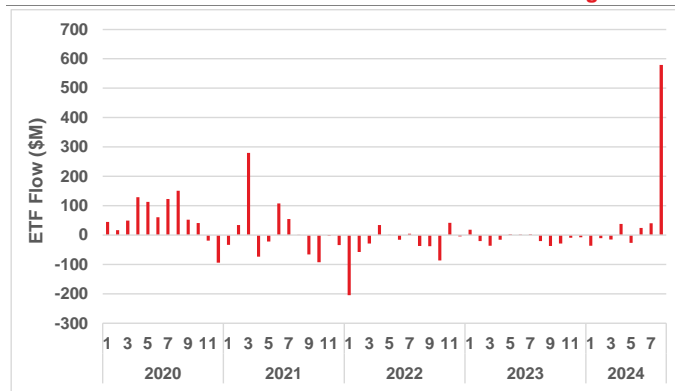
Canada-listed crypto-asset ETF flows turned positive again in August with \$102 million created. There were inflows into both bitcoin and Ethereum ETFs.

Commodity ETFs witnessed a record-breaking month of \$576 million inflows. BMO's new gold bullion ETF (ZGLD) received an immediate institutional subscription of \$545 million, leading to an all-time Canadian ETF industry record for the precious metal category as well as the wider commodity asset class (Chart 3).

Flows by Provider and New Launches (Tables 2 & 3):

The top three ETF providers all had strong inflows, but a few smaller ETF issuers saw some scattered redemptions in August. ETF provider 3iQ enjoyed large growth percentage-wise on the back of strong inflows into crypto-asset ETFs.

Chart 3: Precious Metal ETF Flows Hit a New Record in August



Source: NBF ETF Research, Bloomberg. Data as of August 31, 2024.

Table 2 - ETF Flows by Provider - Aug 2024						
Provider	New Methodology (adjusted for ETF-of-ETFs)			Unadjusted		
	AUM (\$M)	Mkt Shr (%)	Aug 2024 Flow (\$M)	Aug 2024 Flow/AUM	AUM (\$M)	Flow (\$M)
1 RBC iShares	\$128,758	27.6%	\$1,622	1%	\$138,462	\$1,849
2 BMO	\$107,466	23.1%	\$823	1%	\$118,692	\$934
3 Vanguard	\$65,795	14.1%	\$1,216	2%	\$80,977	\$1,535
4 Global X*	\$33,736	7.2%	-\$79	0%	\$34,830	-\$33
5 CI GAM	\$21,266	4.6%	-\$55	0%	\$21,300	-\$53
6 TDAM	\$16,701	3.6%	-\$150	-1%	\$17,020	-\$136
7 Mackenzie**	\$14,282	3.1%	-\$310	-2%	\$14,605	-\$314
8 NBI	\$12,375	2.7%	\$16	0%	\$12,375	\$16
9 Purpose	\$9,912	2.1%	\$163	2%	\$10,350	\$170
10 Fidelity	\$8,683	1.9%	\$311	4%	\$11,805	\$525
11 Invesco	\$6,966	1.5%	\$25	0%	\$7,017	\$45
12 Harvest	\$4,142	0.9%	\$148	4%	\$4,714	\$163
13 Desjardins	\$4,049	0.9%	\$49	1%	\$4,049	\$49
14 Hamilton	\$3,938	0.8%	\$119	3%	\$5,598	\$143
15 Evolve Funds	\$3,805	0.8%	\$118	3%	\$3,865	\$118
16 CIBC	\$3,789	0.8%	\$45	1%	\$3,818	\$46
17 Dynamic	\$3,543	0.8%	-\$25	-1%	\$3,543	-\$25
18 Manulife	\$3,512	0.8%	\$103	3%	\$3,530	\$103
19 PIMCO	\$2,847	0.6%	\$59	2%	\$2,847	\$59
20 Scotia Bank	\$2,586	0.6%	-\$99	-4%	\$2,586	-\$99
21 Franklin Templeton	\$1,686	0.4%	\$31	2%	\$1,690	\$31
22 AGF	\$942	0.2%	-\$23	-2%	\$942	-\$23
23 Picton Mahoney	\$864	0.2%	\$15	2%	\$864	\$15
24 Brompton Funds	\$858	0.2%	\$47	6%	\$992	\$51
25 Ninepoint Partners	\$557	0.1%	-\$1	0%	\$557	-\$1
26 Middlefield	\$531	0.1%	-\$3	-1%	\$531	-\$3
27 Guardian Capital	\$485	0.1%	\$6	1%	\$493	\$7
28 First Trust	\$475	0.1%	-\$9	-2%	\$489	-\$8
29 3iQ	\$352	0.1%	\$44	12%	\$352	\$44
30 Bristol Gate	\$236	0.1%	-\$5	-2%	\$236	-\$5
31 Mulvihill	\$134	0.0%	\$2	2%	\$134	\$2
32 IA Clarington	\$126	0.0%	\$1	1%	\$126	\$1
33 Arrow Capital	\$97	0.0%	\$1	1%	\$97	\$1
34 Lysander	\$94	0.0%	\$0	1%	\$94	\$0
35 Accelerate	\$85	0.0%	\$0	0%	\$92	\$0
36 Russell Investments	\$64	0.0%	\$1	2%	\$64	\$1
37 Forstrong	\$20	0.0%	\$4	26%	\$20	\$4
38 Starlight	\$19	0.0%	-\$1	-4%	\$19	-\$1
39 Tralucant	\$12	0.0%	\$2	24%	\$12	\$2
40 Quadravest	\$8	0.0%	\$1	NA	\$8	\$1
41 Caldwell	\$5	0.0%	\$0	0%	\$5	\$0
Total	\$465,801	100.0%	\$4,214	0.9%	\$509,799	\$5,215

*Formerly branded as Horizons; **Includes Wealthsimple asset and flows. Source: NBF, Bloomberg.

24 new ETFs launched in August. Covered call remains a huge theme; aside from the Russell Investments global equity ETF the PIMCO bond ETF and two of Invesco's four launches, all the other new ETFs make use of covered call strategies. Harvest launched a suite of single-stock ETFs, joining Purpose as one of the few providers to do so. Harvest's "Enhanced" suite employs both cash leverage and call writing, while the remaining single-stock ETFs have call writing programs without leverage.

Table 3 - New Launches in August 2024

	Ticker	Name	Fee (%)
1	CCBD	CI U.S. Aggregate Bond Covered Call ETF	0.35
2	RIGE	Russell Investments Global Equity Pool ETF Series	0.95
3	EQLI	Invesco S&P 500 Equal Weight Income Advantage ETF (CAD Units)	0.34
4	QQCI	Invesco NASDAQ 100 Income Advantage ETF (CAD Units)	0.34
5	ICCB	Invesco Canadian Core Plus Bond ETF (CAD Units)	0.45
6	ICGB	Invesco Global Bond ETF (CAD Units)	0.55
7	CORE	PIMCO Canadian Core Bond Fund	0.29
8	LLYH*	Harvest Eli Lilly High Income Shares ETF	0.40
9	AMZH*	Harvest Amazon High Income Shares ETF	0.40
10	MSFH*	Harvest Microsoft High Income Shares ETF	0.40
11	NVDH*	Harvest NVIDIA High Income Shares ETF	0.40
12	LLHE*	Harvest Eli Lilly Enhanced High Income Shares ETF	0.40
13	AMHE*	Harvest Amazon Enhanced High Income Shares ETF	0.40
14	MSHE*	Harvest Microsoft Enhanced High Income Shares ETF	0.40
15	NVHE*	Harvest NVIDIA Enhanced High Income Shares ETF	0.40
16	HBND.U	Hamilton U.S. Bond YIELD MAXIMIZER™ ETF - US\$ Unhedged Units	0.45

Source: NBF ETF Research, Providers

* Also offers USD units (.U)

Note: the tables below all use the adjusted flows calculation methodology (adjusted for ETF crossholdings)

Table 4 - Top Single Long ETF Inflows - Aug 2024

Ticker	Name	Flow (\$M)	Flow/AUM
1	XIU iShares S&P/TSX 60 Index ETF	\$580	5%
2	ZGLD BMO Gold Bullion ETF	\$545	3433%
3	XUS iShares Core S&P 500 Index ETF	\$493	7%
4	ZAG BMO Aggregate Bond Index ETF	\$475	5%
5	VFV Vanguard S&P 500 Index ETF	\$424	3%
6	ZST BMO Ultra Short-Term Bond ETF	\$289	12%
7	XSB iShares Core Canadian Short Term Bond Index ETF	\$274	14%
8	ZSP BMO S&P 500 Index ETF	\$256	2%
9	XEQT iShares Core Equity ETF Portfolio	\$228	5%
10	XBB iShares Core Canadian Universe Bond Index ETF	\$207	3%
11	TEC TD Global Technology Leaders Index ETF	\$192	7%
12	VEQT Vanguard Canadian Short-Term Bond Index ETF	\$185	20%
13	VBAT Vanguard All-Equity ETF Portfolio	\$182	4%
14	CASH Global X High Interest Savings ETF	\$153	3%
15	CMR iShares Premium Money Market ETF	\$125	13%
16	ZCS BMO Short Corporate Bond Index ETF	\$120	4%
17	FBAL Fidelity All-in-One Balanced ETF	\$99	8%
18	ZMMK BMO Money Market Fund ETF Series	\$97	4%
19	VGRO Vanguard Growth ETF Portfolio	\$91	2%
20	XDIV iShares Core MSCI Canadian Quality Dividend Index	\$77	5%

Source: National Bank of Canada, Bloomberg;

Table 5 - Top Single Long ETF Outflows - Aug 2024

Ticker	Name	Flow (\$M)	Flow/AUM
1	XIC iShares Core S&P/TSX Capped Composite Index ETF	-\$705	-6%
2	TCLB TD Canadian Long Term Federal Bond ETF	-\$657	-36%
3	ZEB BMO Equal Weight Banks Index ETF	-\$437	-22%
4	HSAV Global X Cash Maximizer Corporate Class ETF	-\$433	-19%
5	ZCN BMO S&P/TSX Capped Composite Index ETF	-\$297	-4%
6	MKC Mackenzie Maximum Diversification Canada Index ETF	-\$245	-56%
7	MWD Mackenzie Maximum Diversification All World Developed Index ETF	-\$234	-78%
8	CLG iShares 1-10 Year Laddered Government Bond Index ETF	-\$195	-24%
9	CSAV CI High Interest Savings ETF	-\$138	-2%
10	ZDB BMO Discount Bond Index ETF	-\$129	-15%
11	ZFL BMO Long Federal Bond Index ETF	-\$88	-3%
12	XEI iShares S&P/TSX Composite High Dividend Index ETF	-\$77	-5%
13	SITU Scotia US Equity Index Tracker ETF	-\$72	-4%
14	ZPR BMO Laddered Preferred Share Index ETF	-\$72	-5%
15	PFL Invesco 1-3 Year Laddered Floating Rate Note Index ETF	-\$65	-12%
16	NSCB NBI Sustainable Canadian Bond ETF	-\$47	-2%
17	HXT Global X S&P/TSX 60 Index Corporate Class ETF	-\$46	-1%
18	XEG iShares S&P/TSX Capped Energy Index ETF	-\$44	-3%
19	ZUT BMO Equal Weight Utilities Index ETF	-\$41	-11%
20	ZWP BMO Europe High Dividend Covered Call ETF	-\$38	-21%

Source: National Bank of Canada, Bloomberg;

Table 6 - ETF Flows by Category - Aug 2024

Asset Class	AUM (\$M)	Mkt Shr	Flow (\$M)	Flow/AUM
Equity	\$291,353	63%	\$1,647	0.6%
Fixed Income	\$136,554	29%	\$1,143	0.8%
Commodities	\$2,521	1%	\$576	30.1%
Multi-Asset	\$24,785	5%	\$530	2.2%
Inverse / Levered	\$5,083	1%	\$216	4.5%
Crypto-Asset	\$5,504	1%	\$102	1.6%
Total	\$465,801	100%	\$4,214	0.9%

*Equity Flows include option strategies; Source: National Bank of Canada, Bloomberg

Table 7 - Equity ETF Flows by Geography - Aug 2024

Geography	AUM (\$M)	Mkt Shr	Flow (\$M)	Flow/AUM
Canada	\$90,003	31%	-\$1,029	-1.1%
United States	\$111,415	38%	\$1,932	1.8%
DM: Broad	\$31,809	11%	\$134	0.4%
DM: Regional & Country	\$9,833	3%	-\$30	-0.3%
Emerging Markets	\$8,642	3%	-\$10	-0.1%
Global	\$39,651	14%	\$650	1.7%
Total	\$291,353	100%	\$1,647	0.6%

*Equity Flows include option strategies; Source: National Bank of Canada, Bloomberg

Table 8 - Equity ETF Flows by Sector* - Aug 2024

Sector	AUM (\$M)	Mkt Shr	Flow (\$M)	Flow/AUM
Financials	\$11,255	34%	-\$396	-3.5%
Technology	\$5,345	16%	\$230	4.5%
Health Care	\$3,616	11%	\$7	0.2%
Real Estate	\$3,339	10%	-\$18	-0.6%
Energy	\$3,229	10%	-\$16	-0.5%
Utilities	\$2,978	9%	\$30	1.0%
Materials	\$2,922	9%	-\$8	-0.3%
Other	\$617	2%	-\$2	-0.3%
Total	\$33,300	100%	-\$173	-0.5%

*Includes all geo focuses and Covered Call Strategies; Source: NBF, Bloomberg

Table 9 - Equity ETF Flows by Focus - Aug 2024

Focus	AUM (\$M)	Mkt Shr	Flow (\$M)	Flow/AUM
Cap-weighted	\$175,739	60%	\$1,413	0.8%
Dividend / Income	\$29,564	10%	\$113	0.4%
Factor: Low Vol	\$8,069	3%	-\$459	-5.5%
Factor: Multi-factor	\$4,500	2%	\$44	1.0%
Factor: Fundamental	\$6,770	2%	\$81	1.2%
Sector	\$33,300	11%	-\$173	-0.5%
Thematic	\$18,913	6%	\$48	0.3%
ESG**	\$12,399	4%	\$13	0.1%
Other	\$14,498	5%	\$580	4.2%
Total	\$291,353	100%	\$1,647	0.6%

*Equity Flows include option strategies; Source: National Bank of Canada, Bloomberg

** Only includes ESG ETFs under Thematic category

Table 10 - Fixed Income ETF Flows by Type - Aug 2024

Type	AUM (\$M)	Mkt Shr	Flow (\$M)	Flow/AUM
Canada Aggregate	\$40,695	30%	\$1,161	2.9%
Canada Government	\$13,014	10%	-\$963	-6.9%
Canada Corporate	\$21,726	16%	\$699	3.3%
U.S. / North America	\$10,637	8%	\$235	2.3%
Foreign	\$13,272	10%	\$114	0.9%
Sub-Investment Grade	\$4,143	3%	-\$16	-0.4%
Preferred/Convertible	\$6,250	5%	-\$69	-1.1%
Money Market	\$26,816	20%	-\$17	-0.1%
Total	\$136,554	100%	\$1,143	0.8%

Source: National Bank of Canada, Bloomberg

Table 11 - Fixed Income ETF Flows by Maturity - Aug 2024

Maturity	AUM (\$M)	Mkt Shr	Flow (\$M)	Flow/AUM
Broad/Mixed	\$64,906	48%	\$1,023	1.6%
Ultra Short Term	\$6,243	5%	\$231	3.8%
Short Term	\$17,041	12%	\$548	3.3%
Mid Term	\$7,636	6%	-\$140	-1.8%
Long Term	\$9,073	7%	-\$675	-6.9%
Real Return	\$996	1%	\$4	0.4%
Target Maturity	\$3,842	3%	\$169	4.6%
Money Market	\$26,816	20%	-\$17	-0.1%
Total	\$136,554	100%	\$1,143	0.8%

Source: National Bank of Canada, Bloomberg

YTD August 2024 Flows (Tables 12 - 19):

With another strong month in August, year-to-date ETF flows in Canada amount to \$43 billion. Equity inflows are the strongest at \$23.4 billion, but the fixed income category has been playing catch-up recently, reaching \$15 billion in flows by August. Canadian ETF Investors remain enamoured by U.S. equities; in fact, more than 55% of all equity inflows have gone to

the U.S. region, far outpacing inflows into Canadian equity (\$0.5 billion) by a wide margin. Canadian equities have been on an outflow streak; both its sectors (financials and energy) and broad market ETFs have had outflows. Low volatility factor ETFs and ESG ETFs also saw redemptions this year, all contributing to what appears to be a general pivot away from Canadian equity exposure.

Fixed Income inflows lagged Equities in 2024 so far, with \$14.0 billion in creations. Real return bonds, Canadian government bonds and preferred share ETFs had outflows. Canada corporate and aggregate bond ETFs comfortably led the inflows, while target maturity bond ETFs had the highest growth rate relative to starting assets. Money market ETF inflows are still positive, but much smaller relative to the prior two years; the category has experienced an interesting dichotomy with cash alternative ETFs enduring outflows (or comparatively small inflows) while money market securities ETFs enjoyed constant

Table 12 - Top ETF Inflows - YTD Aug 2024

Ticker	Name	Flow (\$M)	Flow/AUM
1	Vanguard S&P 500 Index ETF	\$4,042	40%
2	BMO Aggregate Bond Index ETF	\$3,226	48%
3	iShares Core Equity ETF Portfolio	\$1,801	78%
4	BMO Ultra Short-Term Bond ETF	\$1,575	145%
5	BMO Money Market Fund ETF Series	\$1,569	176%
6	BMO S&P 500 Index ETF	\$1,472	15%
7	BMO Short Corporate Bond Index ETF	\$1,374	96%
8	Global X S&P 500 Index Corporate Class ETF	\$1,221	56%
9	Vanguard All-Equity ETF Portfolio	\$1,182	37%
10	Global X High Interest Savings ETF	\$1,112	27%
11	BMO MSCI EAFE Index ETF	\$1,093	19%
12	iShares Core S&P 500 Index ETF	\$1,027	20%
13	BMO Mid Corporate Bond Index ETF	\$897	188%
14	Desjardins American Equity Index ETF	\$892	NA
15	Fidelity All-in-One Balanced ETF	\$816	178%
16	Scotia US Equity Index Tracker ETF	\$638	95%
17	Vanguard Growth ETF Portfolio	\$624	14%
18	iShares Core Canadian Universe Bond Index ETF	\$575	9%
19	iShares Core S&P/TSX Capped Composite Index ETF	\$560	6%
20	BMO Gold Bullion ETF	\$559	NA

Source: National Bank of Canada, Bloomberg;

Table 13 - Top ETF Outflows - YTD Aug 2024

Ticker	Name	Flow (\$M)	Flow/AUM
1	BMO MSCI USA ESG Leaders Index ETF	-\$1,940	-112%
2	CI High Interest Savings ETF	-\$1,662	-19%
3	Global X Canadian Select Universe Bond Index Corp Class ETF	-\$1,158	-26%
4	BMO Equal Weight Banks Index ETF	-\$1,057	-39%
5	TD Canadian Long Term Federal Bond ETF	-\$651	-35%
6	Purpose High Interest Savings Fund	-\$579	-16%
7	Global X Cash Maximizer Corporate Class ETF	-\$433	-20%
8	Global X US 7-10 Year Treasury Bond Index Corporate Class ETF	-\$425	-50%
9	iShares S&P/TSX Capped Energy Index ETF	-\$400	-24%
10	Global X S&P/TSX 60 Index Corporate Class ETF	-\$354	-10%
11	BMO MSCI Emerging Markets Index ETF	-\$332	-27%
12	Mackenzie Maximum Diversification Canada Index ETF	-\$330	-71%
13	Purpose Bitcoin ETF	-\$325	-56%
14	Purpose Bitcoin ETF	-\$323	-33%
15	BMO Laddered Preferred Share Index ETF	-\$320	-21%
16	Mackenzie Maximum Diversification All World Developed Index ETF	-\$302	-94%
17	Global X US Large Cap Index Corporate Class ETF	-\$298	-82%
18	BMO Japan Index ETF	-\$290	-50%
19	High Interest Savings Account Fund	-\$236	-14%
20	iShares S&P/TSX 60 Index ETF	-\$230	-2%

Source: National Bank of Canada, Bloomberg;

Table 14 - ETF Flows by Category - YTD Aug 2024

Asset Class	AUM (\$M)	Mkt Shr	Flow (\$M)	Flow/AUM
Equity	\$291,353	63%	\$23,387	10%
Fixed Income	\$136,554	29%	\$15,002	12%
Commodities	\$2,521	1%	\$621	39%
Multi-Asset	\$24,785	5%	\$3,437	18%
Inverse / Leveraged	\$5,083	1%	\$972	26%
Crypto-Asset	\$5,504	1%	-\$432	-9%
Total	\$465,801	100%	\$42,987	11.2%

*Equity Flows include option strategies; Source: National Bank of Canada, Bloomberg

Table 17 - Equity ETF Flows by Focus - YTD Aug 2024

Focus	AUM (\$M)	Mkt Shr	Flow (\$M)	Flow/AUM
Cap-weighted	\$175,739	60%	\$16,919	12%
Dividend / Income	\$29,564	10%	\$2,057	8%
Factor: Low Vol	\$8,069	3%	-\$596	-7.7%
Factor: Multi-factor	\$4,500	2%	\$655	19%
Factor: Fundamental	\$6,770	2%	\$978	19%
Sector	\$33,300	11%	\$2	0%
Thematic	\$18,913	6%	-\$584	-3%
ESG**	\$12,399	4%	-\$1,299	-11%
Other	\$14,498	5%	\$3,956	44%
Total	\$291,353	100%	\$23,387	10.0%

*Equity Flows include option strategies; Source: National Bank of Canada, Bloomberg

** Only includes ESG ETFs under Thematic category

Table 15 - Equity ETF Flows by Geography - YTD Aug 2024

Geography	AUM (\$M)	Mkt Shr	Flow (\$M)	Flow/AUM
Canada	\$90,003	31%	\$506	1%
United States	\$111,415	38%	\$12,980	16%
DM: Broad	\$31,809	11%	\$3,257	13%
DM: Regional & Country	\$9,833	3%	\$94	1%
Emerging Markets	\$8,642	3%	\$59	1%
Global	\$39,651	14%	\$6,490	23%
Total	\$291,353	100%	\$23,387	10.0%

*Equity Flows include option strategies; Source: National Bank of Canada, Bloomberg

Table 16 - Equity ETF Flows by Sector* - YTD Aug 2024

Sector	AUM (\$M)	Mkt Shr	Flow (\$M)	Flow/AUM
Financials	\$11,255	34%	-\$1,047	-9%
Technology	\$5,345	16%	\$453	11%
Health Care	\$3,616	11%	\$235	8%
Real Estate	\$3,339	10%	\$135	5%
Energy	\$3,229	10%	-\$386	-12%
Utilities	\$2,978	9%	\$260	10%
Materials	\$2,922	9%	\$355	17%
Other	\$617	2%	-\$2	0%
Total	\$33,300	100%	\$2	0.0%

*Includes all geo focuses and Covered Call Strategies; Source: NBF, Bloomberg

Table 18 - Fixed Income ETF Flows by Type - YTD Aug 2024

Type	AUM (\$M)	Mkt Shr	Flow (\$M)	Flow/AUM
Canada Aggregate	\$40,695	30%	\$5,015	14%
Canada Government	\$13,014	10%	-\$222	-2%
Canada Corporate	\$21,726	16%	\$5,897	38%
U.S. / North America	\$10,637	8%	\$1,165	12%
Foreign	\$13,272	10%	\$1,742	15%
Sub-Investment Grade	\$4,143	3%	\$197	5%
Preferred/Convertible	\$6,250	5%	-\$301	-5%
Money Market	\$26,816	20%	\$1,507	6%
Total	\$136,554	100%	\$15,002	12.5%

Source: National Bank of Canada, Bloomberg

Table 19 - Fixed Income ETF Flows by Maturity - YTD Aug 2024

Maturity	AUM (\$M)	Mkt Shr	Flow (\$M)	Flow/AUM
Broad/Mixed	\$64,906	48%	\$7,994	14%
Ultra Short Term	\$6,243	5%	\$1,543	33%
Short Term	\$17,041	12%	\$1,332	9%
Mid Term	\$7,636	6%	\$997	15%
Long Term	\$9,073	7%	\$526	6%
Real Return	\$996	1%	-\$198	-17%
Target Maturity	\$3,842	3%	\$1,302	55%
Money Market	\$26,816	20%	\$1,507	6%
Total	\$136,554	100%	\$15,002	12.5%

Source: National Bank of Canada, Bloomberg

inflows every month. This trend has been in place since the start of this year, possibly because of the yield differentials that arose between the two categories following OSFI’s review of bank liquidity treatment for deposits underlying “cash” ETFs.

Crypto-asset ETFs suffered a dip in demand in Canada, witnessing \$432 million of outflows, some of which might have gone to newly listed, headline-grabbing U.S. counterparts in January (where spot bitcoin ETFs finally launched) and July (when spot ether ETFs launched). That said, the outflow pace from Canada-listed crypto ETFs has been slowing down recently and some products even posted inflows in recent months.

In June of this year, a multi-year long flow slump for commodity ETFs finally started to reverse and in August the pattern swung firmly into demand territory. One big institutional creation into BMO’s gold ETF ZGLD brought about a new record month of inflow for this asset class.

ESG ETF Flows (Table 21)

In August, Canadian ESG ETFs saw half a billion in net outflows, with nearly 90% of these withdrawals linked to two ETFs from Mackenzie’s Max Diversification suite. These ETFs, **MWD** and **MKC**, are set to be merged into Mackenzie’s Low Volatility suite, which is managed by a different team and follows a different investment philosophy. Despite the lack of the term “ESG” in their fund names, the ETFs in Mackenzie’s Max Diversification suite were among the first in Canada to integrate socially responsible investment screens as part of their investment process. (Their new Low Volatility suite does not prioritize ESG factors.) The outflows from **MWD** and **MKC** may be attributed to an institutional investor choosing to withdraw their investments from TOBAM’s Max Diversification methodology rather than transitioning away from ESG specifically.

Table 20 - ETF Flows by Provider - YTD Aug 2024

Provider	New Methodology (adjusted for ETF-of-ETFs)		YTD Aug 2024		Unadjusted	
	AUM (\$M)	Mkt Shr (%)	Flow (\$M)	Flow/AUM	AUM (\$M)	Flow (\$M)
1 RBC iShares	\$128,758	27.6%	\$8,160	8%	\$138,462	-\$9,856
2 BMO	\$107,466	23.1%	\$10,768	12%	\$118,692	\$11,383
3 Vanguard	\$65,795	14.1%	\$8,598	17%	\$80,977	\$10,692
4 Global X*	\$33,736	7.2%	\$1,533	5%	\$34,830	\$1,861
5 CI GAM	\$21,266	4.6%	-\$1,214	-6%	\$21,300	-\$1,277
6 TDAM	\$16,701	3.6%	\$3,154	27%	\$17,020	\$3,276
7 Mackenzie**	\$14,282	3.1%	\$419	3%	\$14,605	\$478
8 NBI	\$12,375	2.7%	\$659	6%	\$12,375	\$659
9 Purpose	\$9,912	2.1%	-\$279	-3%	\$10,350	-\$231
10 Fidelity	\$8,683	1.9%	\$3,556	71%	\$11,805	\$5,310
11 Invesco	\$6,966	1.5%	\$570	10%	\$7,017	\$593
12 Harvest	\$4,142	0.9%	\$651	21%	\$4,714	\$652
13 Desjardins	\$4,049	0.9%	\$1,913	102%	\$4,049	\$1,913
14 Hamilton	\$3,938	0.8%	\$1,116	37%	\$5,598	\$1,583
15 Evolve Funds	\$3,805	0.8%	\$266	8%	\$3,865	\$258
16 CIBC	\$3,789	0.8%	\$843	30%	\$3,818	\$845
17 Dynamic	\$3,543	0.8%	\$588	22%	\$3,543	\$588
18 Manulife	\$3,512	0.8%	\$337	12%	\$3,530	\$338
19 PIMCO	\$2,847	0.6%	\$460	19%	\$2,847	\$460
20 Scotia Bank	\$2,586	0.6%	\$751	49%	\$2,586	\$751
21 Franklin Templeton	\$1,686	0.4%	\$140	10%	\$1,690	\$143
22 AGF	\$942	0.2%	-\$240	-23%	\$942	-\$240
23 Picton Mahoney	\$864	0.2%	\$123	18%	\$864	\$123
24 Brompton Funds	\$858	0.2%	\$213	36%	\$992	\$230
25 Ninepoint Partners	\$557	0.1%	-\$111	-19%	\$557	-\$111
26 Middlefield	\$531	0.1%	-\$11	-2%	\$531	-\$11
27 Guardian Capital	\$485	0.1%	\$110	30%	\$493	\$117
28 First Trust	\$475	0.1%	\$37	9%	\$489	\$42
29 3iQ	\$352	0.1%	\$23	9%	\$352	\$23
30 Bristol Gate	\$236	0.1%	-\$216	-54%	\$236	-\$216
31 Mulvihill	\$134	0.0%	\$41	47%	\$134	\$41
32 IA Clarington	\$126	0.0%	-\$7	-6%	\$126	-\$7
33 Arrow Capital	\$97	0.0%	\$43	81%	\$97	\$43
34 Lysander	\$94	0.0%	\$1	1%	\$94	\$1
35 Accelerate	\$85	0.0%	\$19	30%	\$92	\$19
36 Russell Investments	\$64	0.0%	-\$13	-17%	\$64	-\$13
37 Forstrong	\$20	0.0%	-\$21	-53%	\$20	-\$21
38 Starlight	\$19	0.0%	-\$4	-17%	\$19	-\$4
39 Tralucant	\$12	0.0%	\$9	404%	\$12	\$9
40 Quadravest	\$8	0.0%	\$8	NA	\$8	\$8
41 Caldwell	\$5	0.0%	\$0	-7%	\$5	\$0
Total	\$465,801	100.0%	\$42,987	11.2%	\$509,799	\$50,160

*Previously branded as Horizons; **Includes Wealthsimple asset and flows. Source: NBF, Bloomberg

Table 21 - Canada listed ESG ETF Flows by Categories* - Aug 2024

Category	Aug 2024		YTD Aug 2024	
	AUM (\$M)	AUM (%)	Flow (\$M)	Flow/AUM
Equity	\$12,840	74%	-\$483	-3.6%
Broad - Canada	\$3,154	18%	-\$236	-7.0%
Broad - U.S.	\$1,597	9%	\$25	1.6%
Broad - DM	\$1,905	11%	\$23	1.2%
Broad - EM	\$3,549	20%	-\$2	-0.1%
Broad - Global	\$1,119	6%	-\$228	-17.0%
Environment	\$1,197	7%	-\$65	-5.2%
Clean Energy	\$123	1%	\$0	-0.3%
Social	\$126	1%	\$0	-0.3%
Infrastructure	\$58	0%	\$0	0.1%
Other	\$12	0%	\$0	0.0%
Commodities	\$10	0%	\$0	0.0%
Multi-Asset	\$291	2%	\$7	2.5%
Fixed Income	\$4,291	25%	-\$65	-1.5%
Total Displayed	\$17,432	100%	-\$541	-3.0%

Source: National Bank of Canada, Bloomberg

Appendix 1 - Glossary

AUM (Assets Under Management): AUM is expressed in local currency, which is the Canadian dollar for the purpose of this report.

Flow/AUM (Flow as % AUM): Net flow as a percentage of assets under management from the beginning of the period.

Flow: The net dollar amount of fund creations and redemptions for the period based on daily NAV and daily changes in Shares Outstanding. Flows are expressed in local currency, which is the Canadian dollar for the purpose of this report.

Market Share (%): Category's AUM as % of the total AUM.

MER (Management Expense Ratio): Manager's 2023 annual fee for managing and administering the fund, expressed as a percentage of total fund value. In most cases, this includes fees from investing in other ETFs. Where audited MER is unavailable or if the fee has been significantly reduced recently, the MER is estimated using the Stated Management Fee and sales tax.

Canadian MER does not include trading commissions incurred by the ETF, nor does it include trading expenses (such as swap or forward fees). An asterisk (*) indicates that the fund pays additional expenses such as swap or forward fees, which are normally reported under trading expenses. The asterisk can also indicate that the fund charges a performance fee. Data are sourced from annual filings.

NAV (Net Asset Value per share): ETF price is used when NAV is not available.

All numbers are as of last month's final business day.

Appendix 2 - Equity ETF Categories

We group Equity ETFs into the categories below. These groupings follow NBF's discretion and can differ from the ETF Provider's definition and classification from other sources.

Cap-Weighted: A fund that weights securities based on the total or float-adjusted market capitalization of each security.

Dividend/Income: A fund with primary goal of providing income. We classify a fund as belonging to the Income category when its strategy focuses on providing income or the fund self-identifies as using an income strategy, even though it may incorporate other factors in addition to income.

Fundamental: A fund that selects and/or weights securities based on fundamental metrics from a company's financial statements such as balance sheet. Strategies include Value, Growth, Quality, RAFI Fundamental, Earnings, etc.

Low Vol or Risk: A fund that aims to achieve reduced portfolio volatility, either by screening for low volatility stocks, low beta stocks and/or minimizing the portfolio volatility.

Multi-Factor: ETFs that consider more than one NBF-defined factor including Income, Fundamental and Risk.

Sector: ETFs that provide exposure to broad industry sectors classified by the Global Industry Classification Standard (GICS) or other similar classifications. This category contains all sector funds, including ones that screen and/or weight the portfolio using factors.

Thematic: ETFs that provide niche exposures such as blockchain technology, infrastructure, Marijuana companies, Socially Responsible Investing, technology sub-sectors, agriculture, water, sentiment & behaviour, etc. This category contains all thematic funds, including ones that screen and/or weight the portfolio using factors.

Other: Any non-cap weighted strategy that is not covered by otherwise defined categories. This includes momentum, equal-weight, share buyback, high beta, proprietary, actively managed, tactical rotation, price-weighted, etc.

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