

ETF Research & Strategy

August 2, 2023

# July 2023: Slight Summer Slowdown

- Nearly \$3 billion flowed into Canadian ETFs in July, bringing year-to-date inflows to \$22.7 billion
- Interest in financials remains strong, while U.S. ETF flow shows evidence of a bias away from large cap
- The money market ETF category has exploded with product development, including nine new launches this
  year
- 20 new ETFs launched in July the total number of ETFs in Canada is now 1,356

Summary: The Fixed Income asset class dominated Canadian ETF inflows again in July. \$1.8 billion went into Fixed Income, doubling the inflows to Equities which were nevertheless healthy at \$940 million. Inflows into all other asset classes were muted by comparison. Money market ETFs remain an investor favourite with \$875 million created in July. ESG (in the form of a large institutional blocks to a single ETF) and Dividend/Income ETFs attracted inflows within the Equity asset class.

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

Equity ETFs pulled in \$940 million overall, despite outflows from U.S. (ZSP, XUU, QUU, HXS, XUE, ZUE, FLAM) and broad developed market ETFs (ZEA). Canadian equity ETFs (HXT, XIU) enjoyed the largest inflows among all regions at \$487 million, followed by Emerging Markets (XSEM) at \$366 million and Global equities at \$297 million. Despite redemptions from broad developed markets, the U.S., single country Japan (JAPN/B) enjoyed its winning streak in terms of ETF flows on the back of strong momentum in the Japanese stock market. Equal weighted U.S. (EQL/F) showed up on the leaderboard with \$77

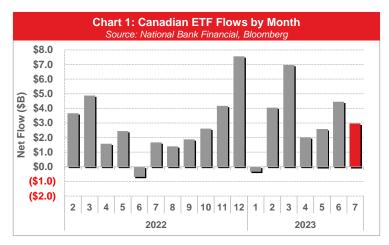


Table 1 - ETF Flows by Category - July YTD 2023								
	AUM	Mkt Shr	July	2023	July YTD 2023			
	(\$M)	(%)	Flow \$M	Flow/AUM	Flow \$M	Flow/AUM		
Equity	\$223,564		\$940	0.4%	\$7,548	3.5%		
Canada	\$80,001	22%	\$487	0.6%	\$2,892	3.7%		
United States	\$76,393	21%	-\$239	-0.3%	-\$1,771	-2.4%		
International	\$67,170	19%	\$693	1.1%	\$6,427	10.5%		
Fixed Income	\$109,207	30%	\$1,877	1.7%	\$13,053	12.5%		
Commodities	\$1,689	0%	\$7	0.4%	-\$33	-2.0%		
Multi-Asset	\$17,975	5%	\$84	0.5%	\$1,405	8.9%		
Inverse / Levered	\$3,684	1%	\$47	1.3%	\$679	22.6%		
Crypto-Asset	\$2,621	1%	\$6	0.2%	\$41	2.4%		
Total	\$358,741	100%	\$2,961	0.8%	\$22,693	6.7%		

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

million in flows, consistent with the trend in the U.S. that we've observed in recent weeks in which investors are turning to equal-weight, mid and small-cap U.S. equities to avoid concentration in the mega-cap technology names.

Fixed Income ETFs topped the inflow leaderboard with \$1.9 billion created. Money market ETFs led the inflows again with \$875 million created in products such as CSAV, CASH, MNY, HISA, CBIL and PSU/U. Relatedly, ultra-short term floating rate ETF XFR also showed up on the top inflow table. Canada corporate bond registered \$529 million inflows, primarily going into ultra-short term corporate bond ETF ZST. The evergreen Canadian aggregate bond category (VSB, ZAG) surprisingly saw withdrawals of \$23 million while every other fixed income category, including sub-investment grade bonds (ZHY) had inflows in July.

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



July 2023: Slight Summer Slowdown

August 2, 2023

The top 10 ETF issuers in Canada all had inflows in July except for BMO and Mackenzie, both of which suffered small outflows. The largest inflows went to RBC iShares, Horizons and TDAM. Guardian Capital launched two money market ETFs that focus exclusively on T-bills and each welcomed approximately \$20 million in flows, leading to Guardian's 18% flow relative to starting AUM, the highest among all ETF providers in July. Hamilton's percentage flow at 6% ranks the second after Guardian Capital. Hamilton's HMAX and UMAX continue to take in new money.

20 new ETFs were introduced in July. Money market, Technology, covered call, lightly levered and multi-factor were the dominating themes.

Note: the tables below all use the adjusted flows calculation methodology. (Adjusted for ETF cross-holdings)

Table 2 - ETF Flows by Provider - July 2023							
New Methodology (adjusted for ETF-of-ETFs)						Unac	ljusted
		AUM	Mkt Shr		2023		2023
	Provider	(\$M)	(%)	Flow (\$M)	Flow/AUM	AUM (\$M)	Flow (\$M)
1	RBC iShares	\$101,643	28.3%	\$662	1%	\$107,477	\$722
2	BMO	\$85,913	23.9%	-\$40	0%	\$95,690	\$189
3	Vanguard	\$46,661	13.0%	\$263	1%	\$57,614	\$376
4	Horizons	\$26,294	7.3%	\$528	2%	\$27,204	\$565
5	CI GAM	\$19,406	5.4%	\$297	2%	\$19,576	\$298
6	Mackenzie*	\$12,757	3.6%	-\$60	0%	\$13,004	-\$52
7	TDAM	\$10,515	2.9%	\$305	3%	\$10,640	\$308
8	NBI	\$9,844	2.7%	\$223	2%	\$9,844	\$223
9	Purpose	\$7,994	2.2%	\$124	2%	\$8,205	\$141
10	Invesco	\$5,577	1.6%	\$161	3%	\$5,594	\$161
11	Fidelity	\$3,948	1.1%	\$150	4%	\$4,389	\$164
12	Evolve Funds	\$3,128	0.9%	\$126	4%	\$3,162	\$126
13	Harvest	\$2,967	0.8%	\$19	1%	\$3,526	\$27
14	Manulife	\$2,746	0.8%	\$24	1%	\$2,746	\$24
15	CIBC	\$2,675	0.7%	\$19	1%	\$2,690	\$19
16	Dynamic	\$2,373	0.7%	\$32	1%	\$2,373	\$32
17	Hamilton	\$2,319	0.6%	\$127	6%	\$2,814	\$126
18	PIMCO	\$2,245	0.6%	\$48	2%	\$2,245	\$48
19	Desjardins	\$1,808	0.5%	-\$42	-2%	\$1,808	-\$42
20	Scotia Bank	\$1,379	0.4%	\$8	1%	\$1,379	\$8
21	Franklin Templeton	\$1,223	0.3%	-\$33	-3%	\$1,223	-\$33
22	AGF	\$1,176	0.3%	-\$10	-1%	\$1,176	-\$10
23	Picton Mahoney	\$666	0.2%	-\$3	0%	\$666	-\$3
24	Ninepoint Partners	\$660	0.2%	-\$28	-5%	\$660	-\$28
25	Middlefield	\$542	0.2%	-\$4	-1%	\$542	-\$4
26	Brompton Funds	\$505	0.1%	\$16	3%	\$606	\$18
27	First Trust	\$390	0.1%	\$1	0%	\$391	\$1
28	Bristol Gate	\$384	0.1%	\$7	2%	\$384	\$7
29	Guardian Capital	\$262	0.1%	\$40	18%	\$262	\$40
30	Emerge	\$141	0.0%	\$0	0%	\$141	\$0
31	3iQ	\$128	0.0%	\$1	1%	\$128	\$1
32	IA Clarington	\$105	0.0%	\$0	0%	\$105	\$0
33	Lysander	\$80	0.0%	-\$1	-2%	\$80	-\$1
34	Mulvihill	\$79	0.0%	\$2	2%	\$79	\$2
35	Russell Investments	\$69	0.0%	\$1	1%	\$69	\$1
36	Accelerate	\$55	0.0%	-\$4	-6%	\$61	-\$3
37	Arrow Capital	\$49	0.0%	\$2	5%	\$49	\$2
38	Starlight	\$23	0.0%	-\$1	-3%	\$23	-\$1
39	SmartBe	\$7	0.0%	\$0	0%	\$7	\$0
40	Caldwell	\$5	0.0%	\$0	0%	\$5	\$0
To	tal	\$358,741	100.0%	\$2,961	0.8%	\$388,635	\$3,452

Table 3 - New Launches in July 2023						
	Ticker	Name	Fee (%)			
1	CMNY	CI Money Market ETF	0.14			
2	UMNY/U	CI US Money Market ETF	0.14			
3	QQQT	Evolve NASDAQ Technology Index Fund	0.25			
4	QQQT/U	Evolve NASDAQ Technology Index Fund	0.25			
5	QQQT/B	Evolve NASDAQ Technology Index Fund	0.25			
6	ESPX/U	Evolve S&P 500 Enhanced Yield Fund	0.45			
7	GCTB	Guardian Ultra Short Canadian T Bill Fund	0.12			
8	GUTB/U	Guardian Ultra-Short US T-Bill Fund	0.12			
9	CNCL	Horizons Enhanced Canadian Large Cap Equity Covered Call ETF	0.65			
10	BNKL	Horizons Enhanced Equal Weight Banks Index ETF	0.35			
11	BKCL	Horizons Enhanced Equal Weight Canadian Banks Covered Call ETF	0.65			
12	CANL	Horizons Enhanced S&P/TSX 60 Index ETF	0.35			
13	USCL	Horizons Enhanced US Large Cap Equity Covered Call ETF	0.65			
14	HBNK	Horizons Equal Weight Banks Index ETF	0.00*			
15	IIMF	Invesco International Developed Dynamic Multifactor ETF	0.39			
16	IIMF/F	Invesco International Developed Dynamic Multifactor ETF	0.39			
17	IGET	Invesco Morningstar Global Energy Transition Index ETF	0.35			
18	IGET/F	Invesco Morningstar Global Energy Transition Index ETF	0.35			
19	IUMF	Invesco Russell 1000 Dynamic Multifactor ETF	0.34			
20	IUMF/F	Invesco Russell 1000 Dynamic Multifactor ETF	0.34			

<sup>\*</sup>Fee rebated to 0.00% until July 31, 2024. Source: NBF ETF Research, Provider



August 2, 2023

Tab	Table 4 - Top Single Long ETF Inflows - July 2023						
	Ticker	Name	Flow (\$M)	Flow/AUM			
1	XSEM	iShares ESG Aware MSCI Emerging Markets Index ETF	\$628	39%			
2	ZST	BMO Ultra Short-Term Bond ETF	\$446	71%			
3	HXT	Horizon S&P/TSX 60 Index ETF	\$266	8%			
4	CSAV	CI High Interest Savings ETF	\$260	3%			
5	ZCN	BMO S&P/TSX Capped Composite Index ETF	\$220	3%			
6	CASH	Horizons High Interest Savings ETF	\$214	8%			
7	ZHY	BMO High Yield US Corporate Bond CAD-H	\$209	28%			
8	NSCB	NBI Sustainable Canadian Bond ETF	\$201	19%			
9	MNY	Purpose Cash Management Fund	\$158	68%			
10	XIU	iShares S&P/TSX 60 Index ETF	\$157	1%			
11	VFV	Vanguard S&P 500 Index ETF	\$147	2%			
12	TEC	TD Global Technology Leaders Index ETF	\$135	9%			
13	TCLB	TD Canadian Long Term Federal Bond ETF	\$101	6%			
14	JAPN/B	CI WisdomTree Japan Equity Index ETF	\$94	14%			
15	HISA	High Interest Savings Account Fund	\$80	5%			
16	EQL/F	Invesco S&P 500 Equal Weighted Index ETF	\$77	20%			
17	CBIL	Horizons 0-3 Month T-Bill ETF	\$70	27%			
18	ZIC	BMO Mid-Term US IG Corporate Bond Index ETF	\$70	850%			
19	PSU/U	Purpose US Cash Fund	\$66	12%			
20	XFR	iShares Floating Rate Index ETF	\$65	10%			

Source:	National	Rank of	Canada	Bloomhera:

Tabl	e 5 - Top	Single Long ETF Outflows - July 2023		
	Ticker	Name	Flow (\$M)	Flow/AUM
1	ZSP	BMO S&P 500 Index ETF	-\$379	-5%
2	ZEA	BMO MSCI EAFE Index ETF	-\$224	-4%
3	ZEM	BMO MSCI Emerging Markets Index ETF	-\$167	-12%
4	VSB	Vanguard Canadian Short-Term Bond Index ETF	-\$162	-13%
5	ZAG	BMO Aggregate Bond Index ETF	-\$161	-3%
6	XMA	iShares S&P/TSX Capped Materials Index ETF	-\$157	-53%
7	PSA	Purpose High Interest Savings Fund	-\$142	-4%
8	ZFL	BMO Long Federal Bond Index ETF	-\$142	-5%
9	XIC	iShares Core S&P/TSX Capped Composite Index ETF	-\$122	-2%
10	XUU	iShares Core S&P US Total Market Index ETF	-\$110	-5%
11	QUU	Mackenzie US Large Cap Equity Index ETF	-\$60	-3%
12	XFN	iShares S&P/TSX Capped Financials Index ETF	-\$59	-4%
13	ZEF	BMO Emerging Markets Bond CAD-H	-\$56	-9%
14	ZCH	BMO MSCI China ESG Leaders Index ETF	-\$53	-42%
15	XEI	iShares S&P/TSX Composite High Dividend Index ETF	-\$48	-4%
16	HXS	Horizons S&P 500 Index ETF	-\$45	-2%
17	XUS	iShares Core S&P 500 Index ETF	-\$44	-1%
18	ZUE	BMO S&P 500 Hedged to CAD Index ETF	-\$42	-2%
19	PGL	Invesco Long Term Government Bond Index ETF	-\$39	-11%
20	FLAM	Franklin FTSE US Index ETF	-\$37	-16%

Source: National Bank of Canada, Bloomberg;

Table 6 - ETF Flows by Category - July 2023								
Asset Class	AUM (\$M)	Mkt Shr	Flow (\$M)	Flow/AUM				
Equity	\$223,564	62%	\$940	0.4%				
Fixed Income	\$109,207	30%	\$1,877	1.7%				
Commodities	\$1,689	0%	\$7	0.4%				
Multi-Asset	\$17,975	5%	\$84	0.5%				
Inverse / Levered	\$3,684	1%	\$47	1.3%				
Crypto-Asset	\$2,621	1%	\$6	0.2%				
Total	\$358,741	100%	\$2,961	0.8%				

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

Table 7 - Equity ETF Flows by Geography - July 2023								
Geography	AUM (\$M)	Mkt Shr	Flow (\$N	1)	Flow/AUM			
Canada	\$80,001	36%	9	6487	0.6%			
United States	\$76,393	34%	-9	3239	-0.3%			
DM: Broad	\$25,181	11%	<u> </u>	-\$83	-0.3%			
DM: Regional & Country	\$6,681	3%		3113	1.8%			
Emerging Markets	\$8,016	4%	9	366	5.1%			
Global	\$27,292	12%		297	1.1%			
Total	\$223,564	100%		940	0.4%			

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

Table 8 - Equity ETF Flows by Sector* - July 2023								
Sector	AUM (\$M)	Mkt Shr	Flow (\$M)	Flow/AUM				
Financials	\$11,333	38%	\$50	0.5%				
Energy	\$3,662	12%	-\$19	-0.6%				
Technology	\$3,558	12%	\$124	3.7%				
Health Care	\$3,084	10%	-\$8	-0.3%				
Real Estate	\$2,927	10%	-\$18	-0.6%				
Utilities	\$2,460	8%	\$15	0.6%				
Materials	\$2,055	7%	-\$156	-7.4%				
Other	\$682	2%	\$8	1.4%				
Total	\$29,761	100%	-\$3	0.0%				

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

Table 9 - Equity ETF Flows by Focus - July 2023								
Focus	AUM (\$M)	Mkt Shr	Flow (\$M)	Flow/AUM				
Cap-weighted	\$128,747	58%	-\$53	0.0%				
Dividend / Income	\$23,926	11%	\$159	0.7%				
Factor: Low Vol	\$7,937	4%	\$49	0.6%				
Factor: Multi-factor	\$3,072	1%	\$1	0.0%				
Factor: Fundamental	\$5,237	2%	\$52	1.0%				
Sector	\$29,761	13%	-\$3	0.0%				
Thematic	\$17,063	8%	\$569	3.5%				
ESG**	\$11,772	5%	\$589	5.4%				
Other	\$7,820	3%	\$167	2.2%				
Total	\$223.564	100%	\$940	0.4%				

\*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 - July 2023								
Туре	AUM (\$M)	Mkt Shr	Flow (\$M)	Flow/AUM				
Canada Aggregate	\$30,130	28%	-\$23	-0.1%				
Canada Government	\$12,973	12%	\$81	0.6%				
Canada Corporate	\$13,998	13%	\$529	3.9%				
U.S. / North America	\$8,985	8%	\$112	1.3%				
Foreign	\$10,943	10%	\$39	0.4%				
Sub-Investment Grade	\$4,075	4%	\$245	6.4%				
Preferred/Convertible	\$5,676	5%	\$19	0.3%				
Money Market	\$22,426	21%	\$875	4.1%				
Total	\$109,207	100%	\$1,877	1.7%				

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		Source: Nation	nal Bank of Cana	da, Bloomberg				
Table 11 - Fixed Income	Table 11 - Fixed Income ETF Flows by Maturity - July 2023							
Maturity	AUM (\$M)	Mkt Shr	Flow (\$M)	Flow/AUM				
Broad/Mixed	\$50,775	46%	\$462	0.9%				
Ultra Short Term	\$4,506	4%	\$499	12.4%				
Short Term	\$15,845	15%	-\$220	-1.4%				
Mid Term	\$6,050	6%	\$165	2.8%				
Long Term	\$6,980	6%	-\$13	-0.2%				
Real Return	\$1,307	1%	-\$25	-1.9%				
Target Maturity	\$1,319	1%	\$133	11.2%				
Money Market	\$22,426	21%	\$875	4.1%				
Total	\$109,207	100%	\$1,877	1.7%				

Source: National Bank of Canada, Bloomberg



August 2, 2023

### YTD July ETF Flows (Tables 12 - 21):

Canadian ETFs have taken in \$22.7 billion in the first seven months of the year, led by fixed income at \$13 billion with equity in a distant second place at \$7.5 billion created. Multi-Asset saw creation of \$1.4 billion year-to-date, led by asset allocation portfolio ETFs. "All equity" and Growth profiles are more popular than other, lower risk asset allocation profiles.

Equity inflows are quite bifurcated. Market cap weighted, multi-factor and fundamental factor ETFs had outflows, whereas dividend/income, sector, ESG and non-ESG thematic ETFs saw creations. The financials sector is the most popular with \$1.4 billion in creation and healthcare is in a distant second place with inflows of \$331 million.

All regions other than the U.S. have been gathering assets this year. Canada, broad developed market, emerging market and global regions each saw inflows of more than \$2 billion, whereas U.S. bled \$1.8 billion in outflows led by **ZSP**, as investors continue to take profits off the table from U.S. equities.

As for fixed income, the enthusiasm for money market or "cash-like" exposure seems unstoppable, especially now that these ETFs are yielding in the neighborhood of 5% after fees. Money market ETFs had inflows of \$6.5 billion year-to-date, or 40% relative to 2022 year-end assets, followed by Canada government bond ETFs at \$2.7 billion, then Canada aggregate bond ETFs at \$1.8 billion. The "money market" ETF category has exploded with new products investing in short-term securities such as T-bills and commercial paper; it's possible this wave of launches was spurred by a newly fertile rate environment combined with a regulatory review of banks offering the deposits that underlie the super-popular cash alternative ETFs. Year-to-date, nine new money market ETFs were launched in Canada, a record pace for this \$22 billion category.

ESG ETF flows year to date, Table 20: ESG ETF **XSEM** received several institutional-sized order totaling \$628 million in July. NBI's sustainable bond ETF **NSCB** also welcomed inflows of \$201 million.

Tabl	le 12 - To	p ETF Inflows - July YTD 2023		
	Ticker	Name	Flow (\$M)	Flow/AUM
1	CSAV	CI High Interest Savings ETF	\$2,488	47%
2	XSEM	iShares ESG Aware MSCI Emerging Markets	\$2,222	5243%
3	CASH	Horizons High Interest Savings ETF	\$1,557	108%
4	NREA	NBI Global Real Assets Income ETF	\$1,079	2363%
5	VFV	Vanguard S&P 500 Index ETF	\$1,025	15%
6	NSCB	NBI Sustainable Canadian Bond ETF	\$888	255%
7	ZEB	BMO Equal Weight Banks Index ETF	\$843	27%
8	ZEA	BMO MSCI EAFE Index ETF	\$785	15%
9	ZFL	BMO Long Federal Bond Index ETF	\$767	39%
10	HBB	Horizons Cdn Select Universe Bond ETF	\$659	23%
11	HISA	High Interest Savings Account Fund	\$570	53%
12	TCLB	TD Canadian Long Term Federal Bond ETF	\$538	41%
13	TDB	TD Canadian Aggregate Bond Index ETF	\$536	108%
14	HEB	Hamilton Canadian Bank Equal-Weight Index ETF	\$505	NA
15	HMAX	Hamilton Canadian Financials Yield Maximizer Etf	\$476	NA
16	NUBF	NBI Unconstrained Fixed Income ETF	\$436	22%
17	ZGB	BMO Government Bond Index ETF	\$429	85%
18	CBIL	Horizons 0-3 Month T-Bill ETF	\$407	NA
19	ZMU	BMO Mid-Term US IG Corporate Bond CAD H	\$404	16%
20	VEQT	Vanguard All-Equity ETF Portfolio	\$391	18%

Tab	le 13 - To	p ETF Outflows - July YTD 2023		
	Ticker	Name	Flow (\$M)	Flow/AUM
1	ZSP	BMO S&P 500 Index ETF	-\$1,438	-15%
2	HCA	Hamilton Canadian Bank Mean Reversion Index ETF	-\$487	-88%
3	XIC	iShares Core S&P/TSX Capped Composite Index ETF	-\$485	-5%
4	XSB	iShares Core Canadian Short Term Bond Index ETF	-\$476	-17%
5	ZSP/U	BMO S&P 500 Index ETF	-\$433	-17%
6	VSP	Vanguard S&P 500 Index ETF CAD-hedged	-\$422	-17%
7	ZCPB	BMO Core Plus Bond Fund ETF	-\$411	-25%
8	XSP	iShares Core S&P 500 Index ETF CAD- Hedged	-\$381	-5%
9	QEBL	Mackenzie Emerging Markets Local Currency Bond	-\$364	-45%
10	ZAG	BMO Aggregate Bond Index ETF	-\$352	-5%
11	VSB	Vanguard Canadian Short-Term Bond Index ETF	-\$308	-23%
12	HXT	Horizon S&P/TSX 60 Index ETF	-\$308	-8%
13	FSF	CI Global Financial Sector ETF	-\$301	-38%
14	BTCQ	3iQ Bitcoin ETF	-\$270	-104%
15	CBH	iShares 1-10 Year Laddered Corporate Bond Index	-\$262	-43%
16	ZEM	BMO MSCI Emerging Markets Index ETF	-\$199	-14%
17	XUU	iShares Core S&P US Total Market Index ETF	-\$190	-9%
18	ZFS	BMO Short Federal Bond Index ETF	-\$163	-14%
19	XUS	iShares Core S&P 500 Index ETF	-\$158	-4%
20	CLF	iShares 1-5 Year Laddered Government Bond Index	-\$157	-22%

Source: National Bank of Canada, Bloomberg;

Source: National Bank of Canada, Bloomberg

Tables continue on the next page

August 2, 2023

Table 14 - ETF Flows by Category - July YTD 2023									
Asset Class	AUM (\$M)	Mkt Shr	Flow (\$M)	Flow/AUM					
Equity	\$223,564	62%	\$7,548	4%					
Fixed Income	\$109,207	30%	\$13,053	13%					
Commodities	\$1,689	0%	-\$33	-2%					
Multi-Asset	\$17,975	5%	\$1,405	9%					
Inverse / Leveraged	\$3,684	1%	\$679	23%					
Crypto-Asset	\$2,621	1%	\$41	2%					
Total	\$358,741	100%	\$22,693	6.7%					

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

Table 15 - Equity ETF Flows by Geography - July YTD 2023								
Geography	AUM (\$M)	Mkt Shr	Flow (\$M)	Flow/AUM				
Canada	\$80,001	36%	\$2,892	4%				
United States	\$76,393	34%	-\$1,771	-2%				
DM: Broad	\$25,181	11%	\$1,570	6%				
DM: Regional & Country	\$6,681	3%	\$490	8%				
Emerging Markets	\$8,016	4%	\$2,260	38%				
Global	\$27,292	12%	\$2,108	9%				
Total	\$223,564	100%	\$7,548	3.5%				

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

Table 16 - Equity ETF F	Table 16 - Equity ETF Flows by Sector* - July YTD 2023								
Sector	AUM (\$M)	Mkt Shr	Flow (\$M)	Flow/AUM					
Financials	\$11,333	38%	\$1,431	13%					
Energy	\$3,667	12%	\$20	0%					
Technology	\$3,558	12%	\$20	1%					
Health Care	\$3,084	10%	\$331	11%					
Real Estate	\$2,927	10%	-\$11	0%					
Utilities	\$2,460	8%	\$150	6%					
Materials	\$2,055	7%	-\$175	-8%					
Other	\$677	2%	\$63	13%					
Total	\$29,761	100%	\$1,831	6%					

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

Table 17 - Equity ETF Flo	ows by Focus	July YTD 202:	3	
Focus	AUM (\$M)	Mkt Shr	Flow (\$M)	Flow/AUM
Cap-weighted	\$128,747	58%	-\$450	0%
Dividend / Income	\$23,926	11%	\$1,438	6%
Factor: Low Vol	\$7,937	4%	\$35	0.4%
Factor: Multi-factor	\$3,072	1%	-\$51	-2%
Factor: Fundamental	\$5,237	2%	-\$213	-4%
Sector	\$29,761	13%	\$1,831	6%
Thematic	\$17,063	8%	\$3,913	33%
ESG**	\$11,772	5%	\$2,781	34%
Other	\$7,820	3%	\$1,045	17%
Total	\$223,564	100%	\$7,548	3.5%

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

\*\* Only includes ESG ETFs under Thematic category

Table 18 - Fixed Income ETF Flows by Type - July YTD 2023							
Type	AUM (\$M)	Mkt Shr	Flow (\$M)	Flow/AUM			
Canada Aggregate	\$30,130	28%	\$1,793	6%			
Canada Government	\$12,973	12%	\$2,700	25%			
Canada Corporate	\$13,998	13%	\$523	4%			
U.S. / North America	\$8,985	8%	\$1,148	10%			
Foreign	\$10,943	10%	\$589	5%			
Sub-Investment Grade	\$4,075	4%	\$135	3%			
Preferred/Convertible	\$5,676	5%	-\$310	-5%			
Money Market	\$22,426	21%	\$6,475	40%			
Total	\$109,207	100%	\$13,053	12.5%			

Source: National Bank of Canada, Bloomberg								
Table 19 - Fixed Income	ETF Flows by Ma	aturity - July	YTD 2023					
Maturity AUM (\$M) Mkt Shr Flow (\$M) Flow/AUM								
Broad/Mixed	\$50,775	46%	\$4,479	9%				
Ultra Short Term	\$4,506	4%	\$641	16%				
Short Term	\$15,845	15%	-\$1,666	-9%				
Mid Term	\$6,050	6%	\$392	5%				
Long Term	\$6,980	6%	\$2,194	44%				
Real Return	\$1,307	1%	-\$108	-7%				
Target Maturity	\$1,319	1%	\$646	73%				
Money Market	\$22,426	21%	\$6,475	40%				
Total	\$109,207	100%	\$13,053	12.5%				

Source: National Bank of Canada, Bloomberg

Table 20 - Canada listed ESG ETF Flows by Categories* - July 2023							
				July 2023		July YTD 2023	
Category	AUM (\$M)	AUM (%)	Flow (\$M)	Flow/AUM	Flow (\$M)	Flow/AUN	
Equity	\$12,799	83%	\$577	4.8%	\$2,643	28.5%	
Broad - Canada	\$3,019	20%	\$19	0.6%	\$349	14.0%	
Broad - U.S.	\$2,744	18%	\$6	0.2%	\$78	3.3%	
Broad - DM	\$1,546	10%	\$12	0.8%	\$108	8.0%	
Broad - EM	\$2,629	17%	\$574	29.9%	\$2,190	665.5%	
Broad - Global	\$1,311	8%	-\$1	-0.1%	\$16	1.4%	
Environment	\$1,051	7%	-\$24	-2.3%	-\$58	-5.8%	
Clean Energy	\$271	2%	-\$6	-2.1%	-\$28	-9.0%	
Social	\$150	1%	-\$3	-1.7%	-\$19	-12.3%	
Infrastructure	\$77	0%	-\$2	-2.0%	\$6	8.1%	
Commodities	\$14	0%	\$0	0.0%	\$1	10.2%	
Multi-Asset	\$175	1%	\$1	0.5%	\$12	7.9%	
Fixed Income	\$2,487	16%	\$197	8.6%	\$916	56.7%	
Total Displayed	\$15,474	100%	\$775	5.4%	\$3,572	32.4%	

Source: National Bank of Canada, Bloomberg

Tables continue on the next page



July 2023: Slight Summer Slowdown

August 2, 2023

Tal	ble 21 - ETF Flows b	y Provider	- July YTD	2023			
	New Methodology (adjusted for ETF-of-ETFs)						ısted
	Don't los	AUM	Mkt Shr	July YTI	2023	July YTI	D 2023
	Provider	(\$M)	(%)	Flow (\$M)	Flow/AUM	AUM (\$M)	Flow (\$M)
1	RBC iShares	\$101,643	28.3%	\$3,193	3%	\$107,477	\$3,522
2	BMO	\$85,913	23.9%	\$2,466	3%	\$95,690	\$3,305
3	Vanguard	\$46,661	13.0%	\$1,975	4%	\$57,614	\$2,854
4	Horizons	\$26,294	7.3%	\$2,844	12%	\$27,204	\$3,037
5	CI GAM	\$19,406	5.4%	\$2,697	13%	\$19,576	\$2,755
6	Mackenzie*	\$12,757	3.6%	-\$186	-1%	\$13,004	-\$158
7	TDAM	\$10,515	2.9%	\$1,716	21%	\$10,640	\$1,744
8	NBI	\$9,844	2.7%	\$3,211	50%	\$9,844	\$3,211
9	Purpose	\$7,994	2.2%	\$814	12%	\$8,205	\$848
10	Invesco	\$5,577	1.6%	\$577	12%	\$5,594	\$574
11	Fidelity	\$3,948	1.1%	\$735	23%	\$4,389	\$888
12	Evolve Funds	\$3,128	0.9%	\$832	38%	\$3,162	\$824
13	Harvest	\$2,967	0.8%	\$308	11%	\$3,526	\$504
14	Manulife	\$2,746	0.8%	\$211	9%	\$2,746	\$211
15	CIBC	\$2,675	0.7%	\$106	4%	\$2,690	\$108
16	Dynamic	\$2,373	0.7%	\$92	4%	\$2,373	\$92
17	Hamilton	\$2,319	0.6%	\$872	48%	\$2,814	\$926
18	PIMCO	\$2,245	0.6%	\$142	7%	\$2,245	\$142
19	Desjardins	\$1,808	0.5%	\$115	7%	\$1,808	\$115
20	Scotia Bank	\$1,379	0.4%	\$1	0%	\$1,379	\$1
21	Franklin Templeton	\$1,223	0.3%	-\$177	-13%	\$1,223	-\$177
22	AGF	\$1,176	0.3%	\$41	4%	\$1,176	\$41
23	Picton Mahoney	\$666	0.2%	\$85	15%	\$666	\$85
24	Ninepoint Partners	\$660	0.2%	-\$10	-2%	\$660	-\$10
25	Middlefield	\$542	0.2%	\$201	66%	\$542	\$201
26	Brompton Funds	\$505	0.1%	\$49	9%	\$606	\$76
27	First Trust	\$390	0.1%	-\$9	-2%	\$391	-\$8
28	Bristol Gate	\$384	0.1%	\$52	18%	\$384	\$52
29	Guardian Capital	\$262	0.1%	\$22	9%	\$262	\$22
30	Emerge	\$141	0.0%	-\$6	-6%	\$141	-\$6
31	3iQ	\$128	0.0%	-\$267	-96%	\$128	-\$267
32	IA Clarington	\$105	0.0%	-\$11	-10%	\$105	-\$11
33	Lysander	\$80	0.0%	-\$1	-1%	\$80	-\$1
34	Mulvihill	\$79	0.0%	\$21	NA	\$79	\$21
35	Russell Investments	\$69	0.0%	\$18	36%	\$69	\$18
36	Accelerate	\$55	0.0%	-\$8	-13%	\$61	-\$8
37	Arrow Capital	\$49	0.0%	\$10	25%	\$49	\$10
38	Starlight	\$23	0.0%	-\$1	-5%	\$23	-\$1
39	SmartBe	\$7	0.0%	-\$16	-69%	\$7	-\$16
40	Caldwell	\$5	0.0%	\$0	7%	\$5	\$0
	Total	\$358,741	100.0%	\$22,713	6.8%	\$388,635	\$25,523

\*Includes Wealthsimple asset and flows. Source: NBF, Bloomberg

Evermore and NCM are no longer in the provider table but contributed to the outflows.



July 2023: Slight Summer Slowdown

August 2, 2023

#### 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 2022 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 fillings.

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, equalweight, share buyback, high beta, proprietary, actively managed, tactical rotation, price-weighted, etc.



July 2023: Slight Summer Slowdown

August 2, 2023

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# July 2023: Slight Summer Slowdown

August 2, 2023

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August 2, 2023

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