

CETFA Monthly Report (\$ millions)
as of November 30, 2018

New ETFs Launched in 2018 - Top Funds by AUM

ETF Name	Ticker	Management Code	AUM	% of Total
1 BMO Europe High Dividend Covered Call ETF	ZWP	BMO	\$ 1,039	0.6%
2 Vanguard Growth ETF Portfolio	VGRO	VNG	479	0.3%
3 Franklin Liberty Global Aggregate Bond ETF (CAD-Hedged)	FLGA	FLS	324	0.2%
4 Vanguard Balanced ETF Portfolio	VBAL	VNG	324	0.2%
5 AGFQ Enhanced Global Infrastructure ETF	QIF	AGF	296	0.2%
6 RBC Vision Women's Leadership MSCI Canada Index ETF	RDR	RBC	197	0.1%
7 Mackenzie US Investment Grade Corporate Bond Index ETF (CAD-Hedged)	OUIG	MFC	191	0.1%
8 Mackenzie US Large Cap Equity Index ETF	OUU	MFC	158	0.1%
9 Purpose Multi-Asset Income Fund	PINC	PFC	136	0.1%
10 First Asset Health Care Giants Covered Call ETF	FHI	FAF	119	0.1%
11 Vanguard Conservative ETF Portfolio	VCNS	VNG	118	0.1%
12 Mackenzie Canadian Large Cap Equity Index ETF	OCE	MFC	100	0.1%
13 ONE North American Core Plus Bond ETF	ONEB	WDT	95	0.1%
14 Invesco S&P 500 Equal Weight Index ETF	EQL	AIM	89	0.1%
15 Mackenzie Canadian Aggregate Bond Index ETF	OBS	MFC	71	-
16 AGFQ Enhanced Global ESG Factors ETF	QEF	AGF	69	-
17 Mackenzie US TIPS Index ETF (CAD-Hedged)	QTIP	MFC	59	-
18 Fidelity U.S. Dividend for Rising Rates Index ETF	FRFR	FID	56	-
19 Global Healthcare Income & Growth ETF	HIG	BRM	51	-
20 First Asset Enhanced Government Bond ETF	FGO U	FAF	47	-
21 Dynamic Shares Active Investment Grade Floating Rate ETF	DXV	-	44	-
22 Fidelity Canadian High Dividend Index ETF	FCCD	FID	43	-
23 Purpose Strategic Yield Fund	SYLD	PFC	42	-
24 Tech Leaders Income ETF	TLF	BRM	35	-
25 Invesco S&P Europe 350 Equal Weight Index ETF	EDE	AIM	33	-
			\$ 4,215	2.6%

*Source: Strategic Insight

New ETFs Launched in 2018 - Top Funds by Current Month Net Creations

ETF Name	Ticker	Management Code	Net Creations	% of Total
1 Vanguard Growth ETF Portfolio	VGRO	VNG	\$ 36	1.8%
2 Mackenzie US Investment Grade Corporate Bond Index ETF (CAD-Hedged)	OUIG	MFC	23	1.1%
3 Fidelity U.S. Dividend for Rising Rates Index ETF	FRFR	FID	20	1.0%
4 Vanguard Balanced ETF Portfolio	VBAL	VNG	20	1.0%
5 Mackenzie US TIPS Index ETF (CAD-Hedged)	QTIP	MFC	19	0.9%
6 Brompton Global Dividend Growth ETF	BDIV	BRM	16	0.8%
7 First Asset Enhanced Government Bond ETF	FGO U	FAF	13	0.7%
8 Brompton North American Financials Dividend ETF	BFIN	BRM	13	0.6%
9 Evolve Active Global Fixed Income ETF	EARN	EVL	10	0.5%
10 Fidelity Canadian High Dividend Index ETF	FCCD	FID	10	0.5%
11 IA Clarington Global Bond Fund	IGLB	IAC	9	0.5%
12 Vanguard Conservative ETF Portfolio	VCNS	VNG	9	0.5%
13 Invesco 1-5 Year Laddered All Government Bond Index ETF	PCB	AIM	8	0.4%
14 TD Select Short Term Corporate Bond Ladder ETF	TCSS	TDM	7	0.3%
15 Invesco S&P 500 Equal Weight Index ETF	EQL	AIM	6	0.3%
16 Mackenzie US Large Cap Equity Index ETF	OUU	MFC	5	0.3%
17 Horizons Global Sustainability Leaders Index ETF	ETH	HRZ	5	0.2%
18 Horizons Industry 4.0 Index ETF	FOUR	HRZ	5	0.2%
19 BMO Government Bond Index ETF	ZGB	BMO	5	0.2%
20 Fidelity International High Dividend Index ETF	FCID	FID	5	0.2%
21 Franklin Liberty Global Aggregate Bond ETF (CAD-Hedged)	FLGA	FLS	5	0.2%
22 TD Select U.S. Short Term Corporate Bond Ladder ETF	TUSS	TDM	4	0.2%
23 Fidelity U.S. High Dividend Index ETF	FCUD	FID	4	0.2%
24 Fidelity U.S. Dividend for Rising Rates Currency Neutral Index ETF	FRFR	FID	4	0.2%
25 Dynamic Shares Active Investment Grade Floating Rate ETF	DXV	BLK	3	0.2%
			\$ 262	13.0%

*Source: Strategic Insight

Net Creations by Asset Category

Asset Category	Current Month	Previous Month	Change	YTD 2018	% of Total
Total	\$ 1,979	\$ 1,386	42.8%	\$ 16,467	100.0%
Fixed Income	851	(174)	-	4,266	23.1%
Investment grade	959	(198)	-	3,564	19.3%
Corporate	(64)	(197)	-	(388)	-2.1%
Government	236	(118)	-	227	1.2%
Mix	787	117	575.0%	3,726	20.2%
High yield	(107)	24	-	702	3.8%
Corporate	(190)	(42)	-	(506)	-2.7%
Emerging markets	4	(13)	-	53	0.3%
Mix	78	79	-1.6%	1,155	6.3%
Equity	972	1,495	-35.0%	13,228	71.6%
Canada	937	202	363.3%	3,404	18.4%
US	48	683	-92.9%	3,594	19.5%
Emerging Markets	(58)	9	-	764	4.1%
International	46	251	-81.6%	1,642	8.9%
North America	(1)	8	-	70	0.4%
Europe	(15)	57	-	1,170	6.3%
Global	13	91	-85.6%	1,010	5.5%
Sector	2	194	-98.9%	1,574	8.5%
Agriculture	(6)	8	-	(31)	-0.2%
Consumer staples	(5)	5	-	(2)	-
Energy	75	63	18.8%	(109)	-0.6%
Financials	(91)	35	-	235	1.3%
Health care	53	116	-54.7%	639	3.5%
Industrials	-	3	-	14	0.1%
Utilities & Infrastructure	20	24	-13.6%	331	1.8%
Materials	(24)	(21)	-	65	0.4%
Metals	(9)	-	-	(13)	-0.1%
Multiple	9	3	274.3%	18	0.1%
Real estate	29	(28)	-	(133)	-0.7%
Technology	(49)	(12)	-	561	3.0%
Commodities	57	(7)	-	(165)	-0.9%
Energy	69	(13)	-	(186)	-1.0%
Metals	(11)	6	-	20	0.1%
Multi-asset class	92	97	-5.2%	1,105	6.0%
Currency	7	(19)	-	38	0.2%
Volatility	(1)	(6)	-	(4)	-
of which inverse/leveraged	\$ 57	\$ (9)	-	\$ (86)	-0.5%

*Source: Strategic Insight

Market Share by Asset Category

Asset Category	Current Month	Previous Month	Change	Dec 2017
Total	100.0%	100.0%	-	100.0%
Fixed Income	28.0%	28.1%	-0.1%	28.5%
Investment grade	24.2%	24.1%	0.1%	24.7%
Corporate	9.3%	9.5%	-0.3%	10.7%
Government	4.0%	3.9%	0.1%	4.3%
Mix	10.9%	10.6%	0.3%	9.7%
High yield	3.8%	3.9%	-0.2%	3.8%
Corporate	1.9%	2.1%	-0.2%	2.5%
Emerging markets	0.2%	0.2%	-	0.2%
Mix	1.6%	1.6%	-	1.0%
Equity	69.4%	69.4%	0.1%	69.3%
Canada	25.7%	25.6%	0.1%	27.9%
US	19.4%	19.2%	0.2%	17.7%
Emerging Markets	2.0%	2.0%	-	1.9%
International	9.2%	9.3%	-0.1%	9.5%
North America	0.5%	0.6%	-	0.6%
Europe	0.8%	0.8%	-	0.1%
Global	2.7%	2.7%	-	2.3%
Sector	9.1%	9.2%	-0.2%	9.3%
Agriculture	0.1%	0.1%	-	0.2%
Consumer staples	0.1%	0.1%	-	0.1%
Energy	0.7%	0.7%	-	1.0%
Financials	2.1%	2.2%	-	2.2%
Health care	1.2%	1.2%	-	0.9%
Industrials	0.1%	0.1%	-	0.1%
Utilities & Infrastructure	1.0%	1.0%	-	0.9%
Materials	0.7%	0.7%	-	0.9%
Metals	0.1%	0.1%	-	0.2%
Multiple	0.1%	0.1%	-	0.1%
Real estate	1.5%	1.5%	-	1.7%
Technology	1.2%	1.2%	-	0.9%
Commodities	0.6%	0.6%	-	0.9%
Energy	0.3%	0.2%	-	0.4%
Metals	0.4%	0.4%	-	0.4%
Multi-asset class	1.8%	1.8%	-	1.3%
Currency	0.1%	0.1%	-	0.1%
Volatility	-	-	-	-
of which inverse/leveraged	0.5%	0.5%	-	0.7%

*Source: Strategic Insight

CETFA Monthly Report (\$ millions)

as of November 30, 2018

AUM by Asset Category				
Asset Category	Current Month	Previous Month	Change	Dec 2017
Total	\$ 160,902	\$ 157,410	2.2%	\$ 147,137
Fixed income	45,029	44,167	2.0%	41,924
Investment grade	38,961	37,955	2.7%	36,405
Corporate	14,911	15,011	-0.7%	15,792
Government	6,489	6,200	4.7%	6,393
Mix	17,561	16,744	4.9%	14,220
High yield	6,068	6,212	-2.3%	5,519
Corporate	3,101	3,303	-6.1%	3,670
Emerging markets	349	355	-1.5%	329
Mix	2,617	2,554	2.5%	1,520
Equity	111,732	109,209	2.3%	101,911
Canada	41,418	40,284	2.8%	41,097
US	31,200	30,278	3.0%	26,042
Emerging Markets	3,265	3,145	3.8%	2,736
International	14,811	14,608	1.4%	13,951
North America	866	869	-0.4%	861
Europe	1,237	1,242	-0.3%	178
Global	4,342	4,264	1.8%	3,421
Sector	14,594	14,519	0.5%	13,625
Agriculture	230	231	-0.7%	266
Consumer staples	128	127	0.9%	131
Energy	1,108	1,154	-4.0%	1,513
Financials	3,433	3,436	-0.1%	3,295
Health care	1,970	1,912	3.0%	1,333
Industrials	111	113	-1.1%	97
Utilities & Infrastructure	1,655	1,578	4.9%	1,393
Materials	1,151	1,145	0.5%	1,279
Metals	211	224	-5.9%	288
Multiple	239	225	6.3%	207
Real estate	2,464	2,417	2.0%	2,517
Technology	1,894	1,958	-3.3%	1,308
Commodities	1,012	1,003	0.9%	1,258
Energy	408	389	5.0%	607
Metals	603	614	-1.8%	651
Multi-asset class	2,917	2,828	3.1%	1,856
Currency	205	194	5.3%	133
Volatility	7	9	-17.4%	55

*Source: Strategic Insight