Blockchain **Technologies ETF**

QUARTERLY PORTFOLIO DISCLOSURE

as at December 31, 2018

Total Net Asset Value

The total net asset value of the Blockchain Technologies ETF was \$7,021,524.

Summary of Investment Portfolio

Sector Allocation	% of Net Asset Value
Emerging Blockchain Technology Issuers	50.5
Large Cap Blockchain Technology Issuers	49.2
Total Portfolio Assets	99.7
Cash and other assets and liabilities	0.3
Net Asset Value	100.0

Portfolio Allocation	% of Net Asset Value
Common Shares	85.5
ADRs	14.2
Total Portfolio Assets	99.7
Cash and other assets and liabilities	0.3
Net Asset Value	100.0

Portfolio Breakdown

Top Holdings	% of Net Asset Value
Virtusa Corporation	6.6
Net 1 UEPS Technologies, Inc.	6.0
Luxoft Holding, Inc.	5.8
Pareteum Corporation	5.6
Mastercard Incorporated	5.1
Wipro Limited ADR	5.1
Mogo Finance Technology Inc.	5.1
Intel Corporation	5.1
Overstock.com, Inc.	5.0
Visa Inc.	5.0
Microsoft Corporation	5.0
SAP SE ADR	5.0
International Business Machines Corporation	4.9
Oracle Corporation	4.7
Cognizant Technology Solutions Corporation	4.7
HIVE Blockchain Technologies Ltd.	4.7
Accenture PLC	4.6
Galaxy Digital Holdings Ltd.	4.1
Xunlei Ltd. ADR	4.1
Hut 8 Mining Corp.	3.5
Cash and other assets and liabilities	0.3

The summary of investment portfolio may change due to ongoing portfolio transactions of the investment fund. This quarterly update is available on our website at www.harvestportfolios.com.

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(managed by Harvest Portfolios Group Inc.)