



FEDERAL RETIREMENT THRIFT INVESTMENT BOARD
77 K Street, NE Washington, DC 20002

December 13, 2019

MEMORANDUM FOR THE EXECUTIVE DIRECTOR

FROM: SEAN MCCAFFREY
CHIEF INVESTMENT OFFICER

SUBJECT: November 2019 Performance Review - G, F, C, S, I, and L Funds

INTRODUCTION

This report reviews key aspects of the investment performance of the G, F, C, S, I, and L Funds, investment manager performance and tracking error, trading costs, TSP fund performance, and L Fund participation.

TRACKING ERROR - TSP Separate Accounts at BlackRock (BTC)

Monthly Tracking Error

<u>Fund</u>	<u>% BTC Returns</u>	<u>% TSP Returns</u>	<u>% Index Returns</u>	<u>BTC T.E.</u>	<u>TSP vs. BTC</u>
Fixed Income	-0.05	-0.05	-0.05	0.00	0.00
Large Cap	3.63	3.63	3.63	0.00	0.00
Small Mid Cap	4.54	4.54	4.58	-0.04	0.00
International	1.16	1.15	1.13	0.03	-0.01

2019 Year-to-Date (YTD) Tracking Error

<u>Fund</u>	<u>% BTC Returns</u>	<u>% TSP Returns</u>	<u>% Index Returns</u>	<u>BTC T.E.</u>	<u>TSP vs. BTC</u>
Fixed Income	8.80	8.76	8.79	0.01	-0.04
Large Cap	27.65	27.61	27.63	0.02	-0.04
Small Mid Cap	25.31	25.27	25.23	0.08	-0.04
International	18.64	18.63	18.17	0.47	-0.01

BlackRock's performance for the F and C Funds was in-line with the Funds' respective indices for the month. Its performance for the S Fund underperformed the Small Mid Cap Index by 4 basis points, primarily due to securities sampling. BlackRock's performance was ahead of the International Index by 3 basis points, primarily due to tax advantage. For the F and C Funds year-to date, BlackRock's performance was in-line with the Funds' respective indices. Year-to-date, BlackRock outperformed the Small Mid Cap Index by 8 basis points, primarily due to securities sampling. Its performance for the I Fund exceeded that of the International Index by 47 basis points, primarily due to tax advantage.

The TSP Funds closely tracked the BTC Accounts for the month. Year-to-date, the TSP Funds also closely tracked the BTC Accounts.

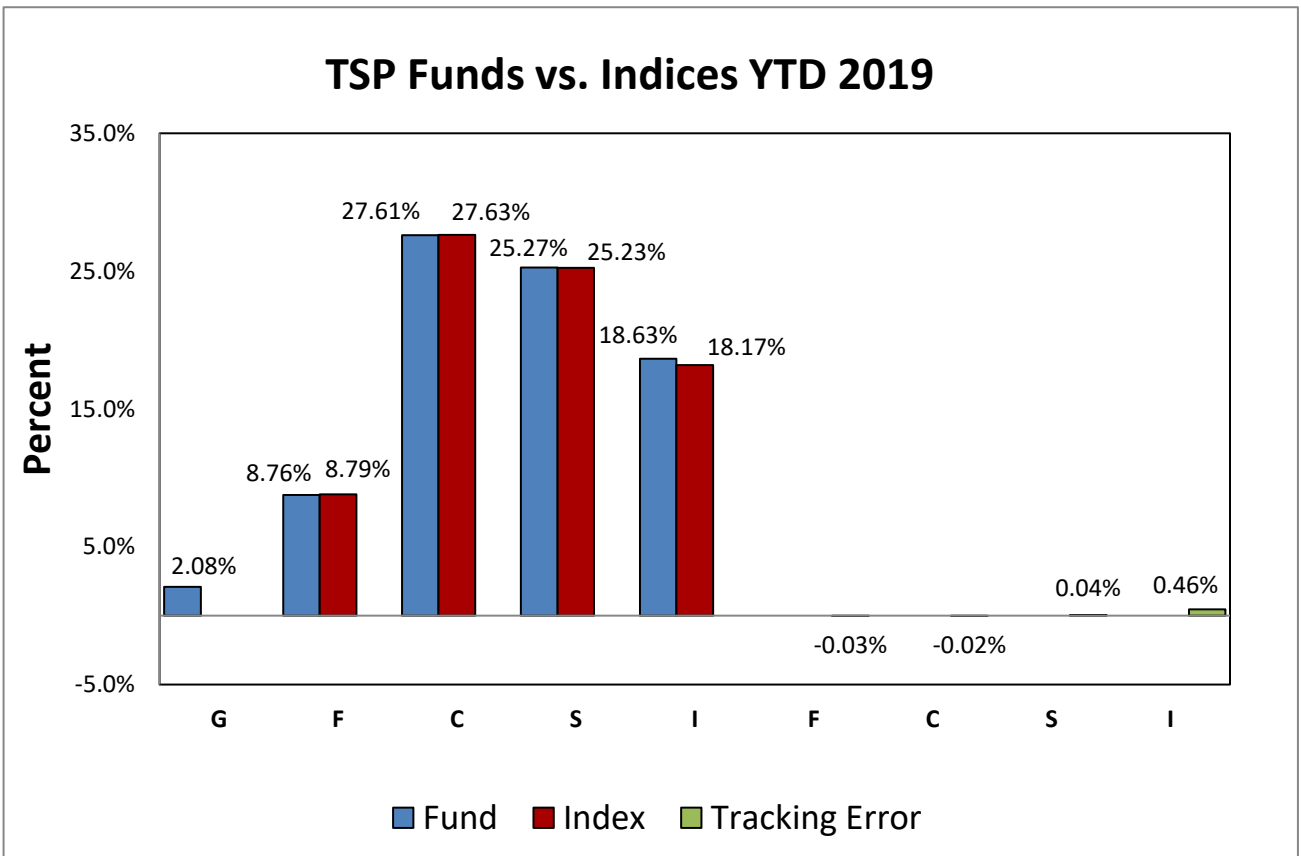
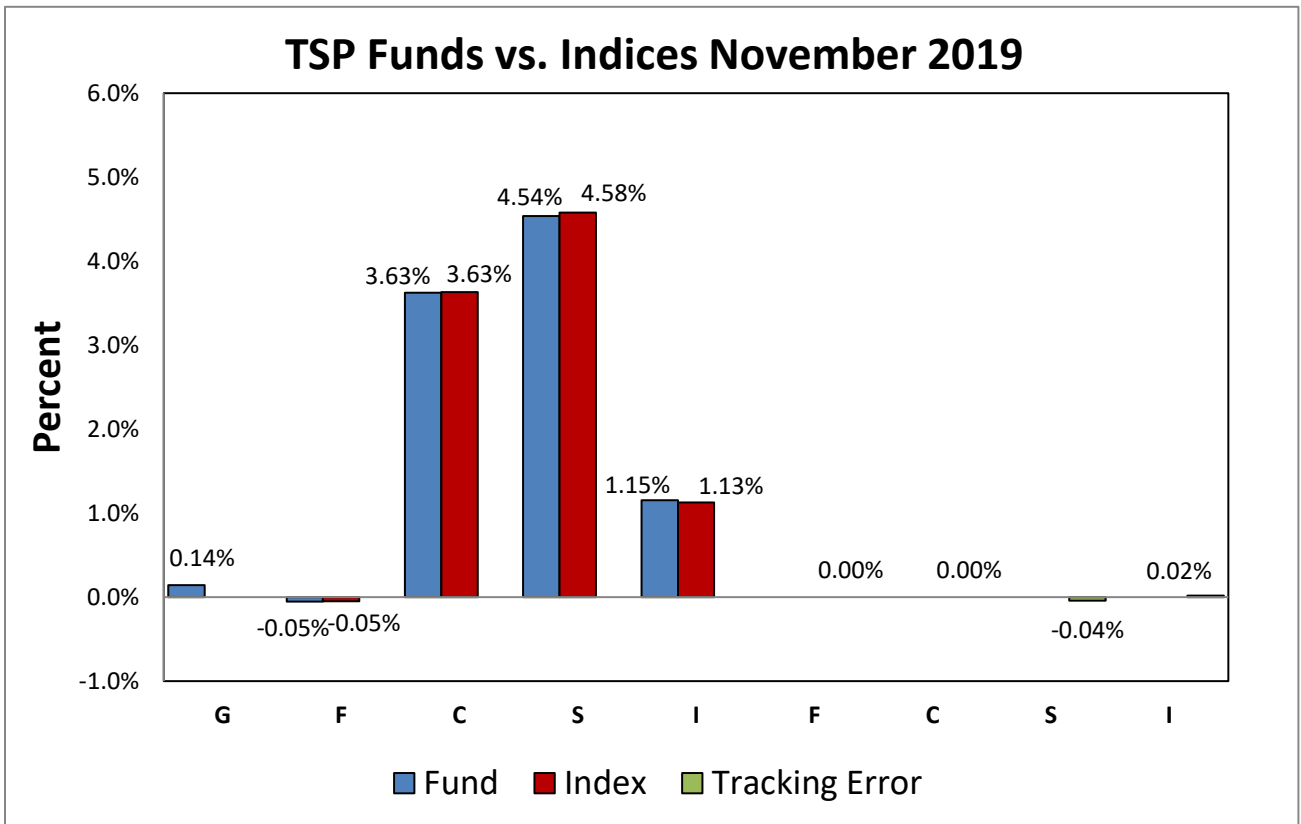
Trading Costs

<u>Trading Costs</u>			
<u>F Fund</u>	<u>Dollar Amount Traded</u>	<u>Dollars</u>	<u>Basis Points</u>
November	613,235,684	20,544	0.3
Year-to-Date	9,502,115,798	761,011	0.8
<u>C Fund</u>			
November	1,399,858,228	340,529	2.4
Year-to-Date	28,828,007,755	(4,314,440)	-1.5
<u>S Fund</u>			
November	1,393,833,152	(280,874)	-2.0
Year-to-Date	17,131,730,135	(450,333)	-0.3
<u>I Fund</u>			
November	776,497,109	357,762	4.6
Year-to-Date	17,426,346,041	(11,291,842)	-6.5

* -- Trading Costs are comprised of commissions, fees, and the difference between where a security is traded and the closing index price.

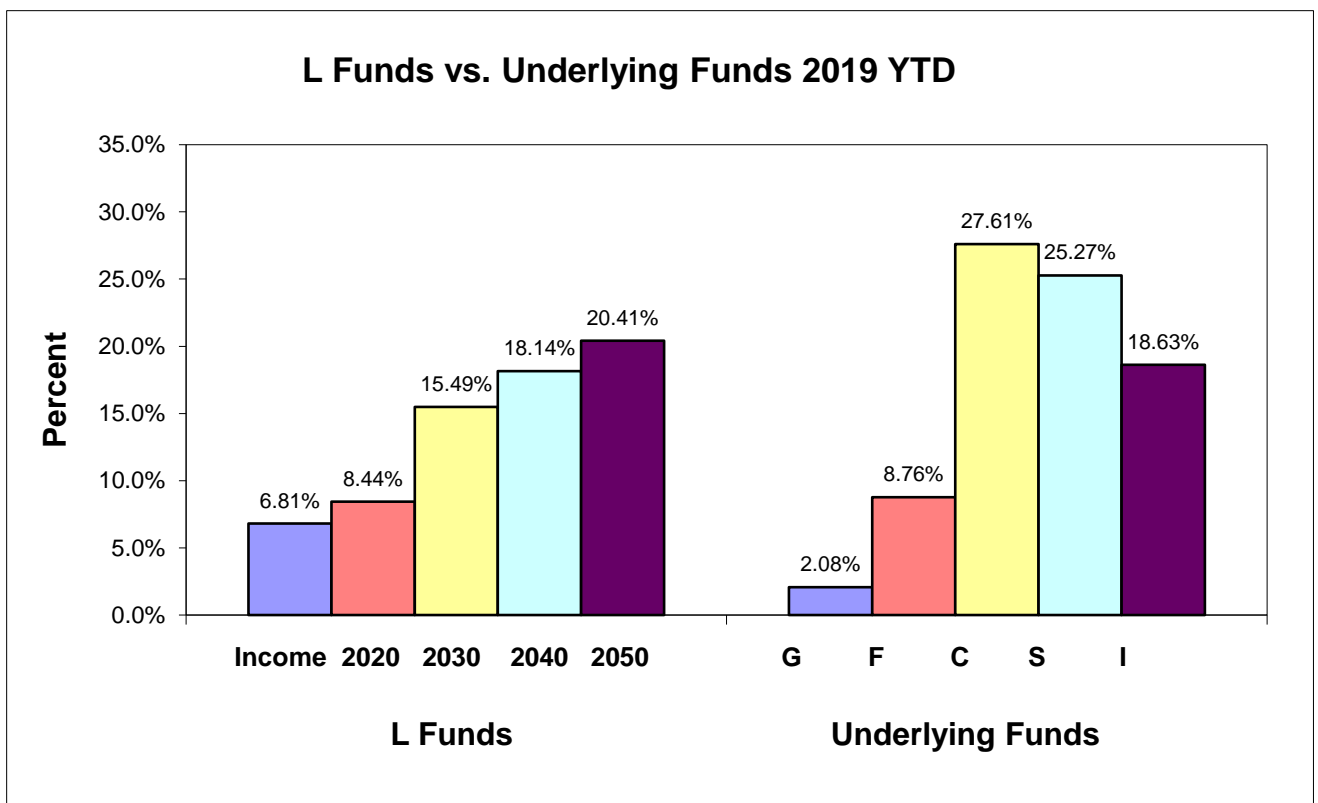
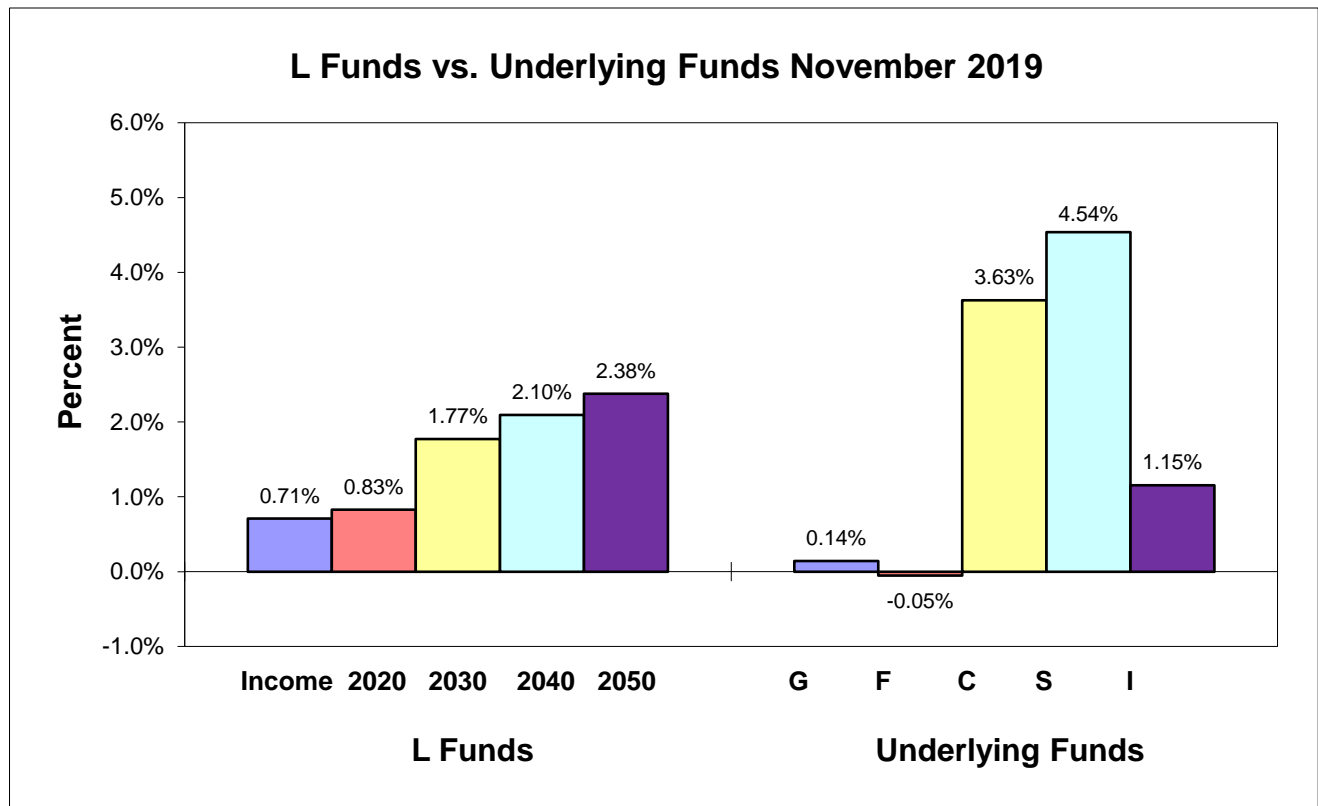
Performance of TSP Funds Total Returns

The charts below show the G, F, C, S, and I Fund net rates of return vs. respective benchmark indices.



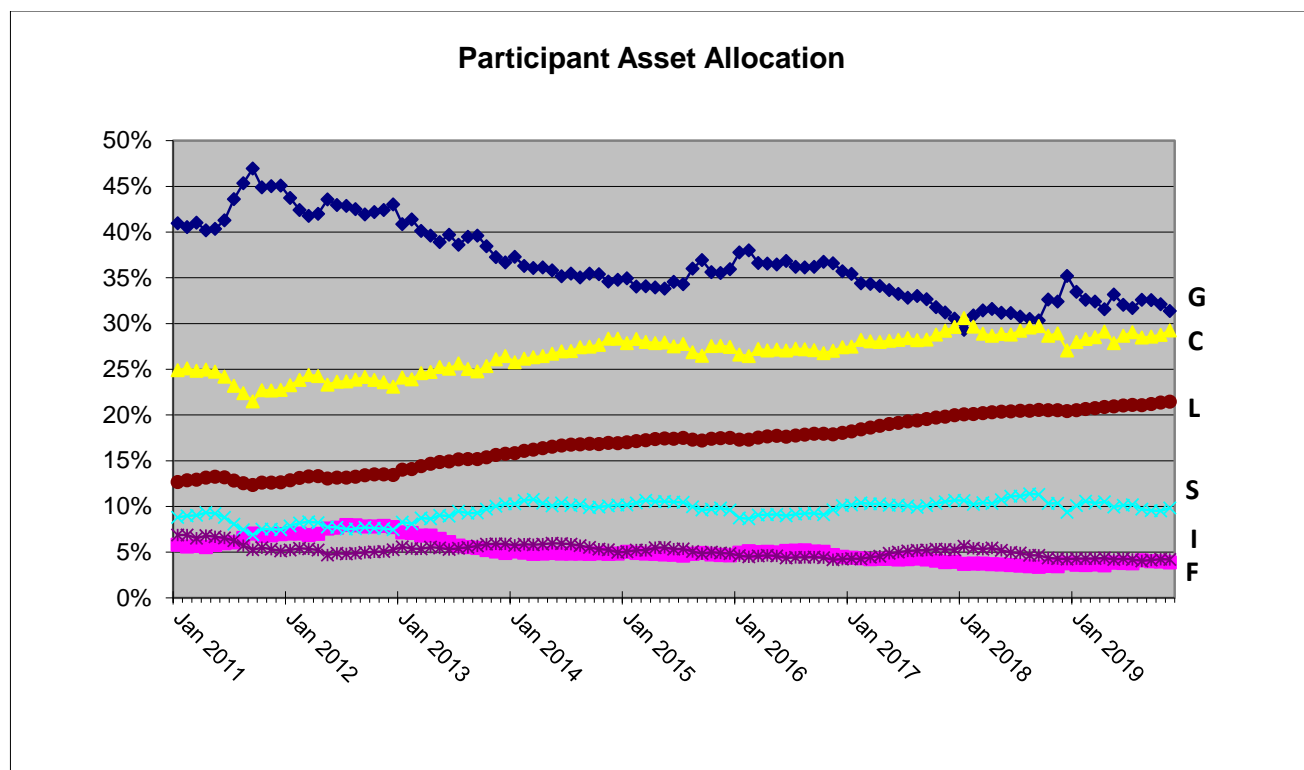
L Funds

The net rates of return for the L Funds are shown below along with comparable returns for the G, F, C, S, and I Funds.



**THRIFT SAVINGS PLAN MONTHLY INVESTMENT ACTIVITY
NOVEMBER 2019**

Attachment 1



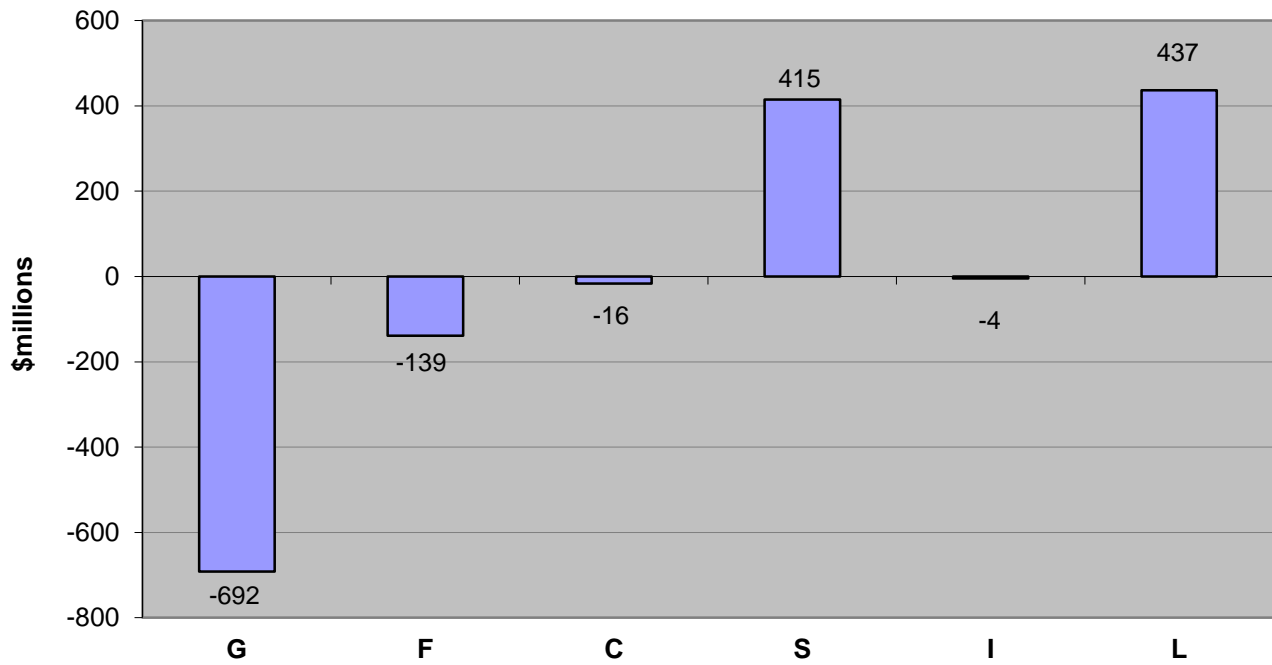
TSP Assets -- Participant Allocation (November 30, 2019)		
<u>Fund</u>	<u>Assets (Billion USD)</u>	<u>Percent</u>
G Fund	\$195.2	31.4%
F Fund	\$24.1	3.9%
C Fund	\$181.6	29.2%
S Fund	\$61.1	9.8%
I Fund	\$26.1	4.2%
L Funds	<u>\$133.2</u>	<u>21.4%</u>
Total	\$621.3	100%

TSP Assets -- By Core Funds (November 30, 2019)		
<u>Fund</u>	<u>Assets (Billion USD)</u>	<u>Percent</u>
G Fund	\$244.4	39.3%
F Fund	\$33.5	5.4%
C Fund	\$219.1	35.3%
S Fund	\$72.1	11.6%
I Fund	<u>\$52.3</u>	<u>8.4%</u>
Total	\$621.3	100%

Components may not sum to totals because of rounding.

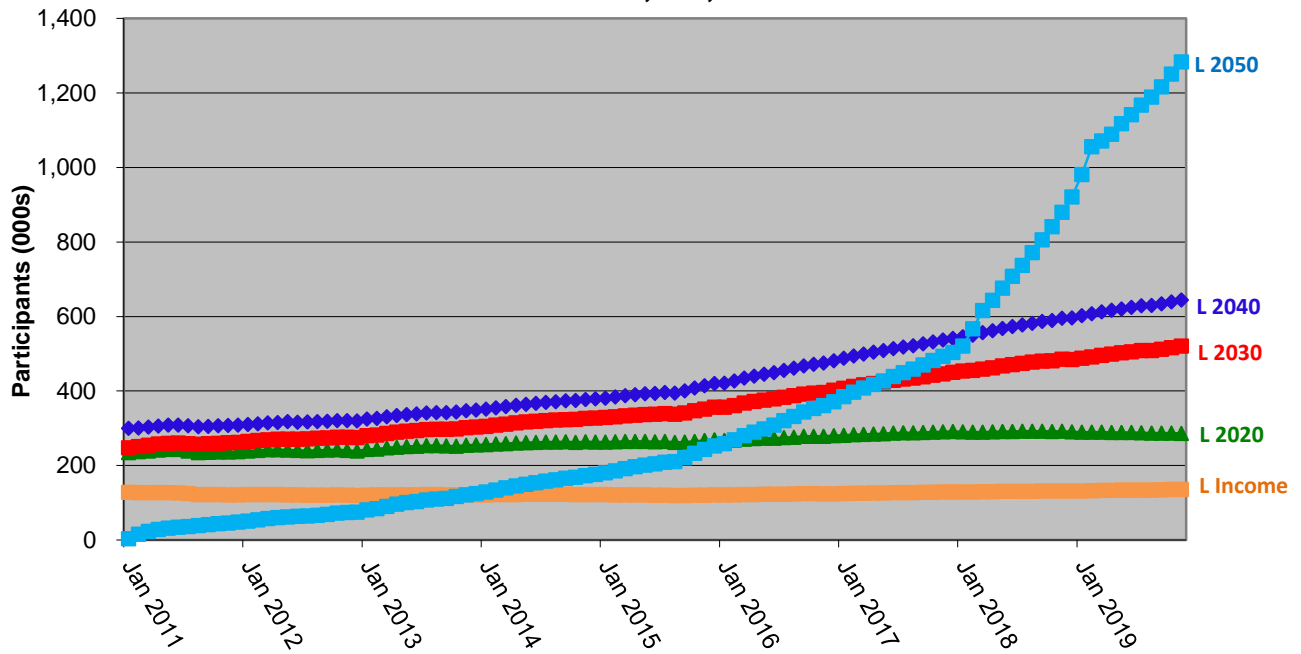
THRIFT SAVINGS PLAN MONTHLY INVESTMENT ACTIVITY NOVEMBER 2019

Interfund Transfers November 2019



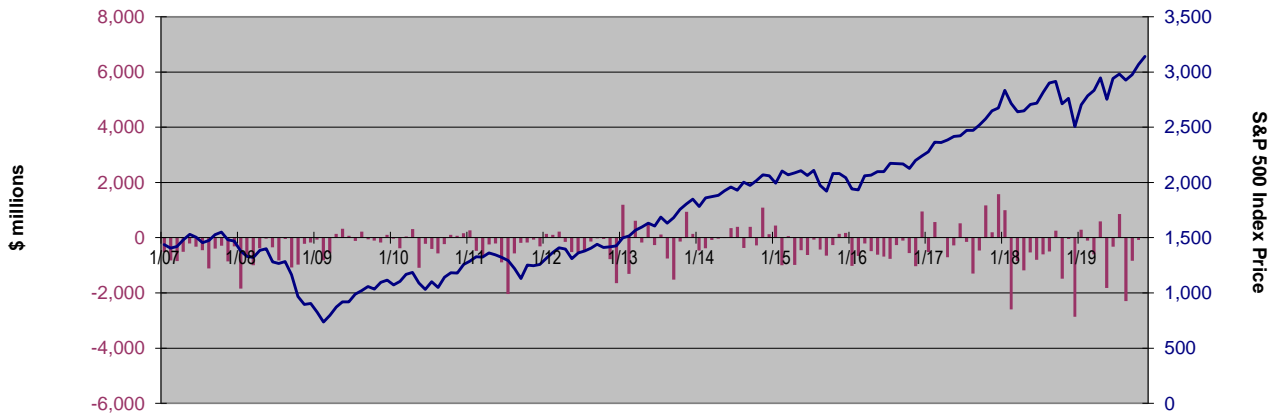
*Components may not sum to 0 because of rounding.

Number of L Fund Participants Total = 2,480,335

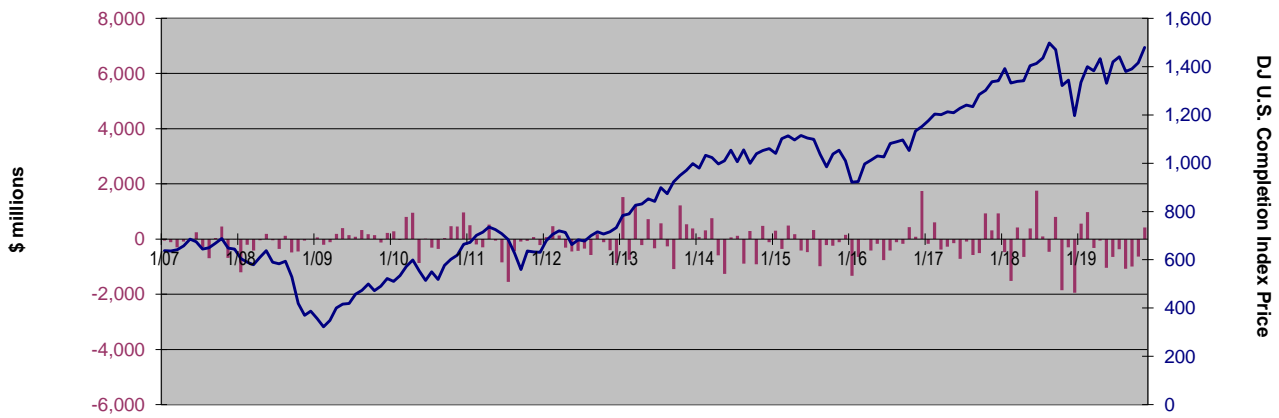


THRIFT SAVINGS PLAN MONTHLY INVESTMENT ACTIVITY NOVEMBER 2019

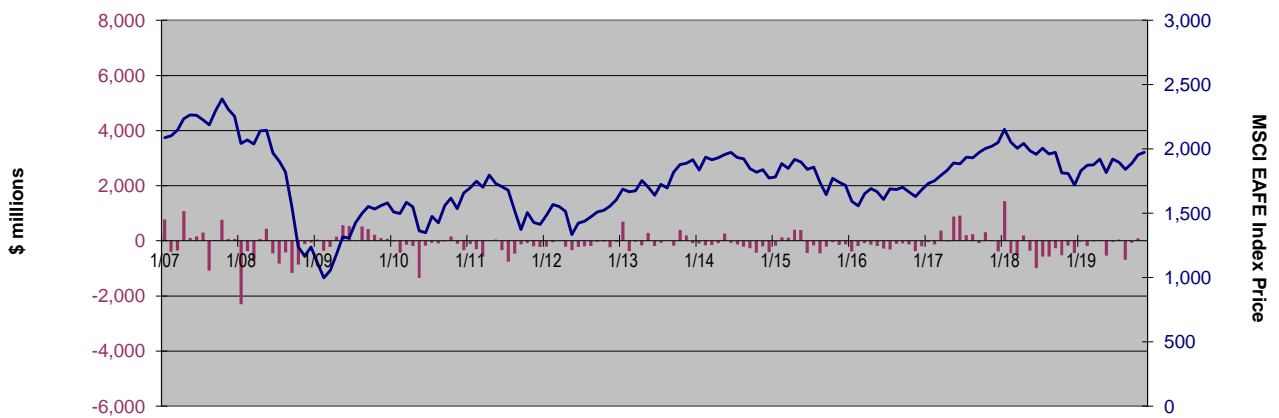
Monthly Interfund Transfers
C Fund



Monthly Interfund Transfers
S Fund

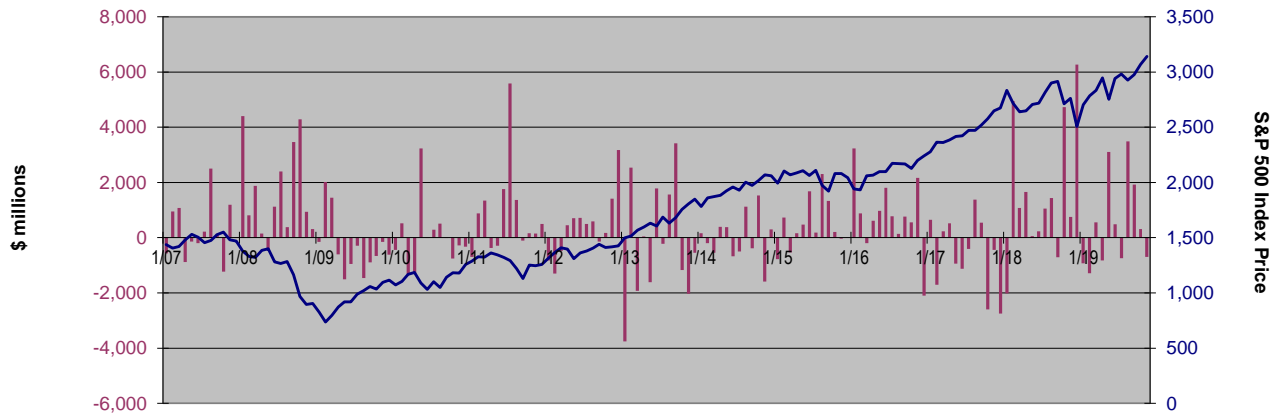


Monthly Interfund Transfers
I Fund

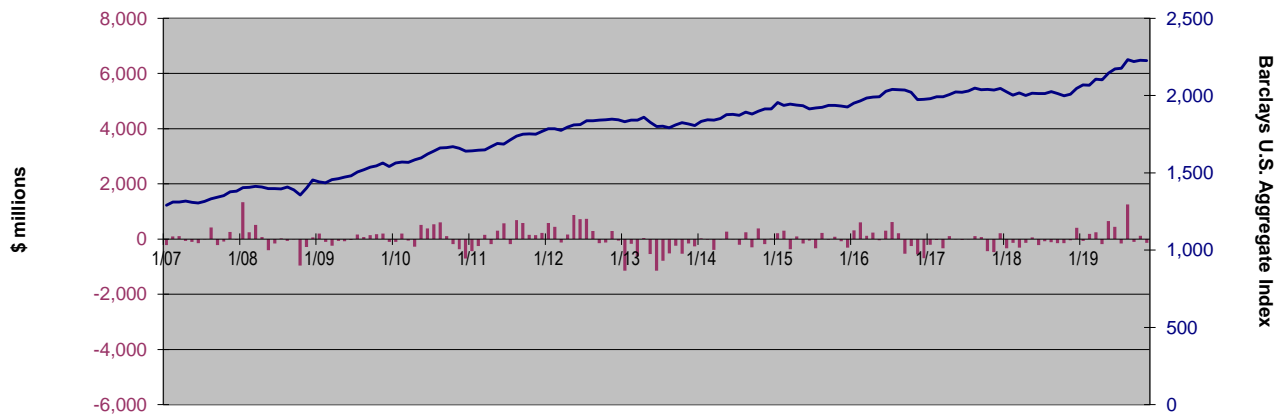


**THRIFT SAVINGS PLAN MONTHLY INVESTMENT ACTIVITY
NOVEMBER 2019**

**Monthly Interfund Transfers
G Fund**



**Monthly Interfund Transfers
F Fund**



**Monthly Interfund Transfers
L Funds**

