Minnesota State Board of Investment U.S. Stock Index Fund

As of September 30, 2023

HIGHLIGHTS

Objective

The Fund seeks to generate high returns from capital appreciation in U.S. common stock and reflects a less expensive and less aggressive portfolio than is available through active management.

Strategy

The Fund is passively managed by BlackRock Institutional Trust Co. to replicate the returns produced by the Russell 3000 Index, a US broad based equity market index. The fund holds over 2,000 U.S. common stocks.

Benchmark

Russell 3000 Index

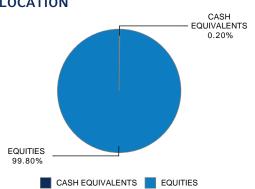
Total Fund Expense

The Total Fund Expense Ratio for this fund is 0.013%. This includes an Investment Management Fee of 0.005% that is deducted by the investment management companies prior to the calculation of performance and an Administrative Fee of 0.008% that is deducted after performance has been calculated.

ANNUAL PERFORMANCE - CALENDAR YEAR ENDING



FUND ALLOCATION



ANNUALIZED PERFORMANCE AS OF 09/30/23

	U.S. STOCK INDEX FUND	Russell 3000	Excess
QTR	-3.24	-3.25	0.01
YTD	12.42	12.39	0.03
1 Year	20.50	20.46	0.04
3 Year	9.59	9.38	0.21
5 Year	9.32	9.14	0.17
10 Year	11.37	11.28	0.09

RISK-RETURN STATISTICS

	One Year	Three Years	Five Years
Beta	1.00	1.00	1.00
Alpha	0.03	0.21	0.16
Portfolio Standard Deviation (%)	16.28	18.15	19.60
Benchmark Standard Deviation (%)	16.27	18.15	19.57
Tracking Error	0.03	0.14	0.28
Information Ratio	1.25	1.56	0.61

TOP 10 HOLDINGS (% of Net Assets)

Security Name	Asset Weight
APPLE INC	6.09
MICROSOFT CORP	5.60
AMAZON.COM INC	2.73
NVIDIA CORP	2.46
ALPHABET INC CL A	1.85
TESLA INC	1.65
ALPHABET INC CL C	1.60
META PLATFORMS INC CLASS A	1.58
BERKSHIRE HATHAWAY INC CL B	1.53
EXXON MOBIL CORP	1.12

SECTOR ALLOCATION (% of Net Assets)

	Sei)-23
	<u>Fund</u>	Benchmark
BASIC MATERIALS	2.58	2.57
FINANCIALS	13.68	13.68
HEALTH CARE	16.43	16.43
INDUSTRIALS	16.66	16.63
OIL & GAS	6.35	6.37
TECHNOLOGY	38.05	38.06
TELECOMMUNICATIONS	2.91	2.91
UTILITIES	3.35	3.35

Minnesota State Board of Investment

GLOSSARY - Risk Definitions

Alpha

Alpha, also known as excess return, is the portfolio's return less the benchmark return. If a portfolio's rate of return is higher than the benchmark return, the portfolio is considered to have a "positive alpha".

Reta

Beta measures a fund's sensitivity to market movements. A fund with a beta of 1, indicates that the fund's price has moved with the market. A beta greater than (less than) 1, indicates the fund's price will be more (less) volatile relative to the market.

Information Ratio

The information ratio (IR) is a measure of the portfolio's risk adjusted return. This ratio considers the portfolios return to its benchmark return. The higher the information ratio, the higher the positive alpha the portfolio has generated given a certain amount of risk. The information ratio is determined by taking the portfolio's excess return over the standard deviation of the excess return.

Standard Deviation

Standard deviation is a measure of the portfolio's volatility in rate of return. A volatile portfolio will have a high standard deviation, while a more stable portfolio will have a lower standard deviation.

Tracking Error

Tracking error, also known as active risk, is a measure of how closely the portfolio performs to its benchmark. It is determined by taking the standard deviation of the excess return.