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Minnesota State Board of Investment



Minnesota Supplemental Investment Fund



July 1, 2017 Investment Prospectus Managed by the Minnesota State Board of Investment



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Executive Director's Letter

July 1, 2017

I am pleased to present to you the Supplemental Investment Fund (SIF) Prospectus and Annual Report for the fiscal year ended June 30, 2017. This information provides you with the performance, fees, and general descriptions for each of the SIF investment options managed by the State Board of Investment (SBI). Total assets invested within the SIF options grew by 6.3% over the year and represent \$3.6 billion in assets. Of that amount, \$1.4 billion in assets are SIF options offered in the Minnesota Deferred Compensation Plan (MNDCP). The Volunteer Firefighter Account assets increased 39% over the year as more Local Fire Relief Associations joined the Statewide Volunteer Firefighter Retirement Plan (SVFRP).

For the fiscal year ending June 30, 2017 the Standard and Poor's 500 Index returned 17.9%. The U.S. equity market performance was buoyed by a positive economic climate. The U.S. economy (real GDP) grew at an annualized rate of 2.6% and the U.S. labor markets reached its lowest unemployment rate since August 2007 of 4.4%. During fiscal 2017, the Federal Reserve increased the federal funds target rate from 0.25% to 1.25%. The Chair of the Federal Reserve stated that while policy remains accommodative, steady progress towards the Federal Reserve's dual mandate of maximum employment and stable prices has been achieved, and rate increases were appropriate. Markets reacted positively to the anticipation of pro-growth policies. While these prospects have softened, the U.S. economic expansion enters its eighth year with high consumer confidence and stock prices at all time highs.

The U.S. and international equity markets posted positive performance while the bond markets were negative for the fiscal year ending June 30, 2017. The S&P 500 Index, a proxy for the U.S. equity markets, returned 17.9% and the U.S. bond market, as measured by the Bloomberg Barclays U.S. Aggregate Bond Index, returned -0.3%. International equity markets, as represented by MSCI ACWI ex USA Index (net), outperformed domestic markets with a 20.5% return for the year.

In general, economic and market conditions have a dominant influence on the returns available to any investor. As an investor in the Minnesota Supplemental Investment Fund, or any other investment program, you should be prepared for periods in which the returns on financial investments may be low, or even negative. You should be aware that this possibility is much greater for accounts that emphasize relatively risky, higher return assets such as common stocks, than it is for more conservative investments such as money market instruments.

With these considerations in mind, the State Board of Investment manages the Supplemental Investment Fund to provide competitive long-term returns. I encourage you to carefully review each of the investment options available to you and to choose those options that meet your own investment needs and risk and return objectives.

On behalf of the Board Members, members of the Investment Advisory Council and the SBI staff, I would like to express our gratitude to you for your continued support and participation in the investment funds presented in this prospectus. The Minnesota State Board of Investment seeks to enhance the management and performance of the assets under its control. If you have any questions regarding the Board's investment policies and procedures, please contact the Minnesota State Board of Investment at 60 Empire Drive, Suite 355, St. Paul, MN 55103-3555, (651) 296-3328, or via e-mail at minn.sbi@state.mn.us. We welcome your inquiries.

Respectfully submitted,

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Mansco Perry III Executive Director and Chief Investment Officer State Board of Investment

External Portfolio Management

The SBI offers a variety of funds to help participants reach their financial goals. The external investment managers hired by the SBI are listed under the respective investment option.

Broad International Stock Fund

AQR Capital Management, LLC, Greenwich, CT Acadian Asset Management LLC, Boston, MA Columbia Management Investment Advisers LLC, Minneapolis, MN Earnest Partners LLC, Atlanta, GA Fidelity Institutional Asset Management LLC, Smithfield, RI J.P. Morgan Investment Management Inc., London, England Macquarie Investment Management Advisers, Philadelphia, PA Marathon Asset Management LLP, London, England Martin Currie Inc., Edinburgh, UK McKinley Capital Management, LLC, Anchorage, AK Morgan Stanley Investment Management Inc., New York, NY Neuberger Berman Investment Advisers LLC, Chicago, IL Pzena Investment Management, LLC, New York, NY The Rock Creek Group, LP, New York, NY State Street Global Advisors, Boston, MA

U.S. Stock Actively Managed Fund

ArrowMark Colorado Holdings, LLC, Denver, CO Barrow, Hanley, Mewhinney & Strauss, LLC, Dallas, TX BlackRock Institutional Trust Company, N.A., San Francisco, CA Earnest Partners, LLC, Atlanta, GA Goldman Sachs Asset Management, L.P., New York, NY Hood River Capital Management, LLC, Portland, OR Hotchkis and Wiley Capital Management, LLC, Los Angeles, CA J.P. Morgan Investment Management Inc., Newark, DE LSV Asset Management, Chicago, IL Martingale Asset Management, L.P., Boston, MA McKinley Capital Management, LLC, Anchorage, AK Peregrine Capital Management, Minneapolis, MN Rice Hall James & Associates, LLC, San Diego, CA Sands Capital Management, LLC, Arlington, VA Wellington Management Compnay LLP, Chicago, IL Winslow Capital Management, LLC, Minneapolis, MN Zevenbergen Capital Investments LLC, Seattle, WA

U.S. Stock Index Fund

BlackRock Institutional Trust Company, N.A., San Francisco, CA

Balanced Fund

BlackRock Institutional Trust Company, N.A., San Francisco, CA (stocks) State Street Global Advisors, Boston, MA (cash) Bond Fund managers (see below list of investment managers)

Bond Fund

BlackRock Financial Management, Inc., New York, NY Columbia Management Investment Advisers, LLC, Minneapolis, MN Dodge & Cox, San Francisco, CA Goldman Sachs Asset Management, New York, NY Neuberger Berman Investment Advisers LLC, Chicago, IL Pacific Investment Mgmt. Co. LLC, (PIMCO), Newport Beach, CA Western Asset Management Company, Pasadena, CA

Stable Value Fund

Galliard Capital Management, Inc., Minneapolis, MN

Money Market Fund

State Street Global Advisors, Boston, MA

Investment Options/Risk Spectrum

	Fund Name	Asset Type	Management Approach ¹
Higher Risk	Broad International Stock Fund	Non-U.S. stocks	Active, Semi-passive, and Passive
	U.S. Stock Actively Managed Fund	U.S. stocks	Active
	U.S. Stock Index Fund	U.S. stocks	Passive
	Balanced Fund	U.S. stocks U.S. bonds & cash	Passive (U.S. Stock Index Fund) Active (Bond and Money Market)
	Bond Fund	Bonds	Active management
	Stable Value Fund	Bonds with Stable Value instruments	Active management
Lower Risk	Money Market Fund	Short-term securities	Active management

Over the long run, higher-risk assets are expected to provide higher investment returns than lower-risk assets. However, there is no guarantee that any investment will not suffer a loss of principal.

¹ All investment options are managed by external investment firms identified above.

Summary

What Is The Minnesota Supplemental Investment Fund?

The Minnesota Supplemental Investment Fund (SIF) is a multi-purpose investment program that offers a range of investment options to state and other public employee groups. Participants may allocate their investments among one or more funds that are appropriate for their needs and are within the rules and eligibility established by the participating plans. The SIFs are structured like a family of mutual funds.

What Investment Options Are Offered?

There are a total of eight investment options and each one offers different advantages and risks. As of June 30, 2017, participating plans invested a total of \$3.6 billion with the SIF. This amount includes the Stable Value and Money Market assets within the Minnesota Deferred Compensation Plan (MNDCP). The SIF options are described in greater detail on the following pages.

	Assets as of
Fund Options	6/30/2017
Broad International Stock Fund	\$ 179,233,485
U.S. Stock Actively Managed Fund	\$ 229,166,850
U.S. Stock Index Fund	\$ 559,315,447
Balanced Fund	\$ 403,114,401
Bond Fund	\$ 154,814,304
Stable Value Fund	\$ 1,565,310,477
Money Market Fund	\$ 383,817,052
Volunteer Firefighter Account	\$ 75,432,019
Total Assets Invested	\$ 3,550,204,036

How often are the SIFs Priced?

Share values in each SIF fund are priced on a daily basis. You may transfer assets among funds on any business day during the month. Historical share values are available on the website at <u>http://mn.gov/sbi</u>. (See procedures on page 15-16.)

Which Options Are Best For Me?

Only you can answer that question. The variety of options has been designed to give you flexibility to use one or more funds in designing an investment portfolio that reflects your personal investment needs and objectives.

It is not the intent of the State Board of Investment to advise participants regarding their choice among funds. This information is provided solely as an aid to participants in selecting the most appropriate types of investments for their particular circumstances.

May I Change The Way I Invest My Contributions?

Yes, but the guidelines vary among plans. You should contact your plan administrator for more specific information. *Please note that special restrictions apply to transfers out of the Stable Value Fund (see page 11).*

What Securities Are Owned By The Fund?

A listing is not provided in the Prospectus due to the large number of holdings owned in each of the funds. Please contact the SBI if you would like a complete list of holdings or you can access the list on our website at <u>http://mn.gov/sbi</u>.

What Are the Administrative Fees and Who Should I Contact With Questions?

For the upcoming fiscal year, SBI's administrative fees are expected to be approximately \$0.07 per \$1,000 invested. The administrative fee is charged per SBI account, not per investment option and is deducted after the fund share value has been calculated. Individual plan participants should contact the appropriate plan administrator for questions related to any other administrative fees that may be charged. The plan administrator will also handle changes in the way you invest your funds and maintain your individual investment records.

Are All These Options Available To Me?

The choices you have depend on the plan in which you participate. For example, the Volunteer Firefighter Account is only available to participants in the Statewide Volunteer Firefighter Retirement Plan, which is described in a separate Prospectus. Also note that there may be other participating plans which are not listed below that invest in the SIF as allowed under state statute.

Fund Options	MN Deferred Compensation Plan (MNDCP) ¹	Health Care Savings Plan	Hennepin Co. Supplemental Plan	Local Fire Relief Associations	Public Employees DC Plan	Unclassified Plan	Statewide Volunteer Firefighter Retirement Plan ²
Broad International Stock Fund		x	x	х	x	x	
U.S. Stock Actively Managed Fund		x	x	х	x	x	
U.S. Stock Index Fund		x	x	x	x	x	
Balanced Fund		x	x	х	x	x	
Bond Fund		x	x	х	x	x	
Stable Value Fund	х	x			x	x	
Money Market Fund	х	x	х	х	х	x	
Volunteer Firefighter Account							x

¹ The SIF funds listed are only two of the 12 investment options offered within the MNDCP. Information on the investment options available in the MNDCP can be obtained by contacting MSRS or go to <u>www.msrs.state.mn.us</u>.

² Statewide Volunteer Firefighter Retirement Plan is a retirement plan option available to Local Fire Relief Associations. Information about this plan can be obtained by contacting the plan administrator, PERA, or the Investment Booklet is available on the SBI's website at http://mn.gov/sbi.

Cumulative Growth and Performance



Cumulative Growth of \$100

Performance of Capital Markets

Last Five Fiscal Years Ending June 30

	Fiscal Year Ending			Annualized Returns Ending June 30, 2017			
	2017	2016	2015	2014	2013	 3 Yrs	5 Yrs
U.S. Stocks							
Russell 3000 Index	18.5%	2.1%	7.3%	25.2%	21.5%	9.1%	14.6%
U.S. Bonds							
BB Barclays Aggregate	-0.3%	6.0%	1.9%	4.4%	-0.7%	2.5%	2.2%
International Stocks							
MSCI ACWI ex USA	20.5%	-10.2%	-5.3%	21.8%	13.6%	0.8%	7.2%
Short Term Investments							
90-Day Treasury Bill	0.5%	0.2%	0.0%	0.1%	0.1%	0.1%	0.1%
Inflation Rate							
Consumer Price Index-Urban	1.7%	1.0%	0.1%	2.1%	1.8%	1.0%	1.3%

Commentary and Relative Performance

How Have Stocks, Bonds And Other Investments Performed?

The U.S. stock market, as measured by the Russell 3000 index, increased 18.5% for the year ending June 30, 2017. Within the Russell 3000, small capitalization companies outperformed large capitalization companies. The Financials sector was the best performing sector in the Russell 3000 with a 37.1% return, while the Telecom sector was the worst performing sector with a -9.7% return.

The U.S. bond market, as measured by the Bloomberg Barclays U.S. Aggregate Bond Index, returned -0.3% for the fiscal year. Within the bond market, Corporates were the highest performers with a 2.3% return for the year. Asset Backed Securities (ABS) had a 0.6% return, Agency bonds had a 0.2% return, Agency Mortgage-Backed Securities (MBS) had a -0.1% return, Commercial Mortgage Backed Securities (CMBS) had a -0.3% return, and U.S. Treasuries had a -2.3% return for the year.

International equity markets returned 20.5% for the year in U.S. dollar terms, as measured by the Morgan Stanley Capital International All Country World Index excluding the United States net of taxes on dividends (MSCI ACWI ex USA Index net), which represents the developed and emerging international markets outside the U.S. The MSCI World ex USA Index (net), which represents developed international markets had a return of 20.5% for the year. Japan and the United Kingdom, which together comprise over 28% of the index returned 17% and 8.9%, respectively. The emerging markets, as measured by the MSCI Emerging Markets Index (net), returned 24.2% for the year in U.S. dollar terms. China, Korea and Taiwan were the largest countries in the index at the end of the fiscal year with a combined weight of 56%. They returned 30.4%, 32.2% and 29.2%, respectively.

How Did Returns In The Minnesota Supplemental Investment Fund Compare For Fiscal Year 2017?

The **Broad International Stock Fund** provided a return of 20.3% for the fiscal year, underperforming the international composite index by 0.2 percentage points. The composite index is comprised of approximately 77% developed markets and 23% emerging markets. Overall, the developed markets managers met and the emerging markets managers slightly underperformed their respective indices.

Performance Ending 6/30/17	1 Yr
Broad International Stock Fund	20.3%
MSCI ACWI ex USA Index (net)	20.5%

The **U.S. Stock Actively Managed Fund** returned 20.5%, which outperformed the Russell 3000 index for the fiscal year. Active mandates exceeded while semi-passive mandates trailed their respective style benchmarks for the year.

Performance Ending 6/30/17	1 Yr
U.S. Stock Actively Managed Fund	20.5%
Russell 3000	18.5%

The **U.S. Stock Index Fund** was up 18.5% during the year, which met its benchmark, the Russell 3000.

Performance Ending 6/30/17	1 Yr
U.S. Stock Index Fund	18.5%
Russell 3000	18.5%

The **Bond Fund** posted a return of 0.9% for the fiscal year year, outperforming its benchmark, the Bloomberg Barclays U.S. Aggregate Bond Index.

Performance Ending 6/30/17	1 Yr
Bond Fund	0.9%
BB Barclays U.S. Aggregate	-0.3%

The mix of stocks, bonds and cash in the **Balanced Fund** provided a return of 11.3%, which outperformed the composite index for the fiscal year. The composite index consists of 60% stocks, 35% bonds and 5% cash.

Performance Ending 6/30/17	1 Yr
Balanced Fund	11.3%
Balanced Fund Custom Index	10.7%

The **Stable Value Fund** provided a return of 2.1% during the fiscal year, outperforming its benchmark.

Performance Ending 6/30/17	1 Yr
Stable Value Fund	2.1%
3 Yr Constant Maturity Treasury Bill + 0.45%	1.7%

The **Money Market Fund** earned 0.8% for the fiscal year outperforming its benchmark. This gain is similar to the returns for money market accounts offered by mutual funds and banks.

Performance Ending 6/30/16	1 Yr
Money Market Fund	0.8%
3 Month U.S. T-Bill	0.5%

Special Note Regarding Your Individual Account Performance.

Your plan administrator or reporting agency accumulates your contributions and transfers these contributions to various accounts in the fund. The actual performance of your investments in the Supplemental Investment Fund may be somewhat higher or lower than these figures due to the timing of those transfers. Note that performance calculations may also differ due to rounding.

Broad International Stock Fund

The Broad International Stock Fund has a market value of approximately \$179 million. The objective of the fund is to earn a high rate of return by investing in the **stock of companies outside the U.S.** The fund's benchmark is the Morgan Stanley Capital International All Country World Index excluding the United States net of taxes on dividends (MSCI ACWI ex USA Index net).

Typically, a majority of the fund is invested in the largest international stock markets (Japan, United Kingdom, Canada, France, Switzerland and Germany). Most of the remainder is invested in other well established markets in Europe and the Pacific region. Approximately twenty percent of the fund is invested in developing countries, or "emerging markets", around the world including those in Asia, Latin America, Eastern Europe, the Middle East and Africa.

A quarterly factsheet is available for this fund on the SBI's website at <u>http://mn.gov/sbi</u>.

Why Would I Choose This Fund?

This option will be attractive if you believe that, over time, international stocks will provide higher returns than other types of investments. The fund is made up of active, semipassive and passive managers. The active international stock managers managers use a variety of investment styles and approaches. These managers buy and sell stocks in an attempt to maximize market value. The remainder of the fund is passively managed to closely approximate the returns of the international markets and semi-passively managed to add incremental value over the index return by investing in broadly diversified portfolios of stocks in the developed and emerging markets.

The returns from the fund will rise and fall with movements in the international stock markets. As with all options that use common stocks, you must be willing to accept returns that vary widely in the short term. While this investment strategy has the potential to produce returns that exceed those of a combined index comprised of both the developed markets and emerging markets, there also may be periods when the returns fall below the index return.

Who Manages The Fund?

The Broad International Stock Fund uses a group of international stock investment managers retained by the State Board of Investment (see page 2 for a listing of these managers).

How Is The Value Of This Fund Determined?

You own shares in the fund, much like you would in a mutual fund. The share value is determined daily and is based on the market value of the entire fund. Any dividend income is reinvested in the fund at the time it is earned. Your investment returns are measured by changes in the share value and reflect all realized and unrealized gains (or losses) generated by the fund.

What Is The Past Investment Performance Of This Fund?

The graph below shows how \$1,000 invested in the fund on June 30, 2012, has grown. Cumulatively, \$1,000 would have grown to \$1,473.



The table below displays the fund's actual share values and returns for the last five fiscal years. The annualized (annual compounded) return during this five year period was 8.1%.

Fiscal Year Ending June 30					
	Share Value	Rate of Return			
2013	\$6.88	16.1%			
2014	8.35	21.4			
2015	8.03	-3.8			
2016	7.26	-9.7			
2017	8.72	20.3			

Investment Management Fees

The rate of return for this fund is calculated after investment management fees are deducted. For the upcoming fiscal year, the annual fund investment management fees are expected to be approximately \$2.30 per \$1,000 invested.

Risk Return Statistic	Ending June 30, 2017		
	<u>1 Yr</u>	<u>3 Yrs</u>	<u>5 Yrs</u>
Excess Return (1)	-0.2	0.7	0.8
Portfolio Standard Deviation% (2)	7.4	12.1	11.3
Benchmark Standard Deviation% (2)	7.2	12.4	11.6
Tracking Error (3)	0.8	1.2	1.1
Information Ratio (4)	-0.2	0.6	0.8

(1) Excess Return is the portfolio's return less the benchmark return.
(2) Standard Deviation is a measure of the portfolio's rate of return volatility.
(3) Tracking Error is the standard deviation of the portfolio's excess return.
(4) Information Ratio is a measure of the portfolio's risk adjusted return.

Top 5 Holdings		
Security Name	Portfolio Weight	
Nestle SA REG	1.17	
Roche Holding AG Genusschein	0.89	
Novartis	0.89	
Samsung	0.76	
HSBC	0.66	

U.S. Stock Actively Managed Fund

The U.S. Stock Actively Managed Fund has approximately \$229 million in assets. The primary objective of the fund is to generate high returns from capital appreciation (increases in the market value of the assets it owns) as measured by the Russell 3000 Index. The fund is composed **almost exclusively of stocks of U.S. companies.**

The fund is managed by a group of investment managers retained by the State Board of Investment to manage other retirement assets. As a result, the fund encompasses a range of investment styles and approaches. One set of managers actively manages portfolios in specific segments of the U.S. stock market. Another set of managers attempts to add incremental value by investing in a broadly diversified portfolio of stocks across a wide range of industries. This structure assures that the fund covers all areas of the broad stock market.

The U.S. Stock Actively Managed Fund differs from the U.S. Stock Index Fund because it is actively managed to buy and sell stocks that, in total, may perform better than the broad stock market.

A quarterly factsheet is available for this fund on the SBI's website at <u>http://mn.gov/sbi</u>.

Why Would I Choose This Fund?

The U.S. Stock Actively Managed Fund is an actively managed investment program focused on U.S. stocks. You would choose this fund if you believe that, over time, the stock market will provide higher returns than other types of investments and the managers of the Fund will buy and sell stocks that, in total, do better than the broad stock market.

The returns from the Fund will rise and fall with movement in the stock market. As with all options that use common stocks, you must be willing to accept returns that vary widely in the short-term. The returns from the Fund are likely to fluctuate more widely than returns from the U.S. Stock Index Fund, the Balanced Fund or the Bond Fund. The potential for higher gains over the long run may compensate for higher short-term volatility of returns.

Who Manages The Fund?

Assets in the U.S. Stock Actively Managed Fund are managed by a group of investment managers retained by the State Board of Investment (see page 2 for a listing of these managers).

How Is The Value Of This Fund Determined?

You own shares in the fund, much like you would in a mutual fund. The share value is determined daily and is based on the market value of the entire fund. Any dividend income is reinvested in the fund at the time it is earned. Your investment returns are measured by changes in the share value and reflect all realized and unrealized gains (or losses) generated by the fund.

What Is The Past Investment Performance Of This Fund?

The graph below shows how \$1,000 invested in the fund on June 30, 2012 has grown. Cumulatively, \$1,000 would have grown to \$1,979.



The table below displays the fund's actual share values and returns for the last five fiscal years. The annualized (annual compounded) return during this five year period was 14.6%.

Fiscal Year Ending June 30			
	Share Value	Rate of Return	
2013	\$37.47	22.1%	
2014	47.27	26.1	
2015	51.02	7.9	
2016	50.44	-1.1	
2017	60.77	20.5	

Investment Management Fees

The rate of return for this fund is calculated after investment management fees are deducted. For the upcoming fiscal year, the annual fund investment management fees are expected to be approximately \$1.90 per \$1,000 invested.

Risk-Return Statistics	Ending June 30, 2017		
	<u>1 Yr</u>	<u>3 Yrs</u>	<u>5 Yrs</u>
Excess Return (1)	1.9	-0.4	0.1
Portfolio Standard Deviation % (2)	6.6	10.8	10.1
Benchmark Standard Deviation % (2)	6.6	10.6	9.8
Tracking Error (3)	0.9	1.1	1.1
Information Ratio (4)	2.2	-0.3	0.1

(1) Excess Return is the portfolio's return less the benchmark return.

(2) Standard Deviation is a measure of the portfolio's rate of return volatility.(3) Tracking Error is the standard deviation of the portfolio's excess return.(4) Information Ratio is a measure of the portfolio's risk adjusted return.

Top 5 Holdings		
Security Name	Portfolio Weight	
Apple Inc.	2.44	
Microsoft Corp.	1.71	
Amazon.com Inc	1.60	
Facebook Cl A	1.47	
Johnson & Johnson	1.24	

U.S. Stock Index Fund

The U.S. Stock Index Fund has a market value of approximately \$559 million. The objective of the fund is to generate high returns that closely approximate the returns of the U.S. stock market as a whole. The fund is **invested primarily in U.S. stocks**.

The fund invests in over 2,700 domestic stocks and is designed to replicate the returns produced by the Russell 3000. The Russell 3000 is a stock market index like the Dow Jones Industrial Average. In effect, the diversity of stock holdings in the U.S. Stock Index Fund represents the broad domestic stock market.

A quarterly factsheet is available for this fund on the SBI's website at http://mn.gov/sbi.

Why Would I Choose This Fund?

This option will be attractive to you if you believe that, over time, stocks will provide higher returns than other investments. You should note, however, that the U.S. Stock Index Fund is passively managed. This means that no attempt is made to identify specific stocks that will perform better than others. Instead, the fund is designed to perform in-line with the broad stock market.

In actively managed funds such as the U.S. Stock Actively Managed Fund (see page 7), stocks are bought and sold in an attempt to maximize market value. While it has the potential to produce returns that exceed those of the broad stock market, an active investment strategy may also experience periods when its returns fall below the market. By contrast, the passive approach used in the U.S. Stock Index Fund should provide returns that consistently and inexpensively replicate the market.

The returns from the fund will rise and fall directly with movement in the stock market. As with all options that use common stocks, you must be willing to accept returns that vary widely in the short-term. In the long-term, the fund should average higher returns than you could obtain by placing your contributions in a fixed income or money market type fund.

Who Manages The Fund?

The U.S. Stock Index Fund is managed by BlackRock Institutional Trust Company, N.A.

How Is The Value Of This Fund Determined?

You own shares in the fund, much like you would in a mutual fund. The share value is determined daily and is based on the market value of the entire fund. Any dividend income is reinvested in the fund at the time it is earned. Your investment returns are measured by changes in the share value and reflect all realized and unrealized gains (or losses) generated by the fund.

What Is The Past Investment Performance Of This Fund?

The graph below shows how \$1,000 invested in the fund on June 30, 2012 has grown. Cumulatively \$1,000 would have grown to \$1,977.



The table below displays the fund's actual share values and returns for the last five years. The annualized (annual compounded) return during this five year period was 14.6%.

Fiscal Year Ending June 30			
	Share Value	Rate of Return	
2013	\$29.77	21.5%	
2014	37.28	25.2	
2015	40.00	7.3	
2016	40.87	2.2	
2017	48.44	18.5	

Investment Management Fees

The rate of return for this fund is calculated after investment management fees are deducted. For the upcoming fiscal year, the annual fund investment management fees are expected to be approximately \$0.07 per \$1,000 invested.

Risk-Return Statistics	Ending	Ending June 30, 2017		
	<u>1 Yr</u>	<u>3Yrs</u>	<u>5Yrs</u>	
Excess Return (1)	0.0	0.0	0.0	
Portfolio Standard Deviation % (2)	6.6	10.6	9.8	
Benchmark Standard Deviation % (2)	6.6	10.6	9.8	
Tracking Error (3)	0.0	0.0	0.0	
Information Ratio (4)	0.0	0.0	0.0	
(1) Excess Boturn is the portfolio's return loss the bonchmark return				

(1) Excess Return is the portfolio's return less the benchmark return.

(2) Standard Deviation is a measure of the portfolio's rate of return volatility.

(3) Tracking Error is the standard deviation of the portfolio's excess return.(4) Information Ratio is a measure of the portfolio's risk adjusted return.

Top 5 HoldingsSecurity NamePortfolio WeightApple Inc.2.89Microsoft Corp1.99Amazon.com, Inc.1.48Johnson & Johnson1.37Facebook, Inc. CLass A1.36

Balanced Fund

The Balanced Fund has a market value of approximately \$403 million in assets. The objective of the fund is to earn a return from both capital appreciation (increases in market value) and current yield (dividends from stock and interest on bonds). To attain that goal, the fund uses a **mix of stocks and bonds**. While holdings may vary on a day-to-day basis, the following is the targeted asset mix:

- 60% Domestic Equities
- 35% Fixed Income
- 5% Cash

The stock segment of the fund is designed to replicate returns produced by the Russell 3000, a stock market index that reflects the broad U.S. stock market. The bond segment is actively managed and includes high-quality corporate bonds and mortgage securities as well as U.S. Government issues.

A quarterly factsheet is available for this fund on the SBI's website at <u>http://mn.gov/sbi</u>.

Why Would I Choose This Fund?

You would choose the Balanced Fund if you want a balanced or diversified investment portfolio in one fund. You must be willing to assume some risk with your investment, since returns will vary with changes in market conditions. Over the long run, the fund is expected to average higher returns than you could obtain by placing your contributions in a fixed income or money market instruments.

Market value growth and dividend income from the stock holdings can give you higher returns than are usually available from bonds and short-term (cash) investments. Conversely, while returns on bonds are often lower than returns on stocks, the bond holdings in the fund add stability and offer you some protection against wide swings in the general stock market.

Who Manages The Fund?

The Balanced Fund uses external investment managers to invest all of the assets in this fund. The bond assets are invested in the Bond Fund, which includes a group of bond managers retained by the State Board of Investment (see page 2 for a listing of these managers).

The stock holdings are invested through the same stock index fund used for the U.S. Stock Index Fund (see page 8 for a description of this passively managed index fund). The cash portion of the Fund is managed by State Street Global Advisors.

How Is The Value Of This Fund Determined?

You own shares in the fund, much like you would in a mutual fund. The share value is determined daily and is based on the market value of the entire fund. Any interest and dividend income is reinvested in the fund at the time it is earned. Your investment returns are measured by changes in the share value and reflect all realized and unrealized gains (or losses) generated by the fund.

What Is The Past Investment Performance of This Fund?

The graph below shows how \$1,000 invested in the Balanced Fund on June 30, 2012 has grown. Cumulatively, \$1,000 would have grown to \$1,603.



The table below displays the fund's actual share values and returns for the last five years. The annualized (annual compounded) return during this five year period was 9.9%.

Fiscal Year Ending June 30			
	Share Value	Rate of Return	
2013	\$53.77	13.5%	
2014	62.73	16.7	
2015	65.95	5.1	
2016	68.22	3.4	
2017	75.96	11.3	

Investment Management Fees

The rate of return for this fund is calculated after investment management fees are deducted. For the upcoming fiscal year, the annual fund investment management fees are expected to be approximately \$0.40 per \$1,000 invested.

Top 5 Bond Sector Weights			
Bond Portfolio BB Barclays Agg By Sector Weight Weight			
Corporate	27.5	23.7	
U.S. Treasury	27.1	36.8	
Mortgage Pass-Through	25.0	26.3	
Yankee	6.5	6.6	
Collateralized Mortgage Obligation	5.8	1.3	

Top 5 Holdings		
Security Name	Portfolio Weight	
Apple Inc.	2.89	
Microsoft Corp	1.99	
Amazon.com, Inc.	1.48	
Johnson & Johnson	1.37	
Facebook, Inc. CLass A	1.36	

Bond Fund

The Bond Fund has a market value of over \$155 million. The objective of this fund is to earn returns by investing in fixed income securities (bonds).

Interest income and capital appreciation (increases in the market value of the assets) are the sources of returns for the fund. The fund invests the large majority of its assets in high quality government and corporate bonds and mortgage securities that have intermediate to long-term maturities, usually 3 to 20 years. The managers of the fund also may attempt to earn returns by anticipating changes in interest rates and adjusting bond holdings accordingly. While the managers invest primarily in the U.S. bond market, some are authorized to invest a small portion of their portfolios in non-U.S. bonds. Similarly, while the large majority of holdings in the fund will be top rated investment grade issues, some managers are authorized to hold a small portion in higher yielding, or below investment grade, debt issues. The aggregate holdings in non-U.S. and below investment grade debt are limited to no more than ten percent of the fund at any time.

The fund is invested entirely in fixed income securities. No stocks are held in the fund. At times, cash reserves may be raised if the investment managers forecast an increase in interest rates.

A quarterly factsheet is available for this fund on the SBI's website at <u>http://mn.gov/sbi</u>.

Why Would I Choose This Fund?

The Bond Fund is a moderately conservative investment option. It will be attractive if you want an investment option that avoids common stocks, but you also want the potential for greater returns than you can obtain from money market type funds.

The returns from the fund generally will move in the opposite direction of interest rate changes. You must be willing to assume some risk with your investment, because the Fund could report losses in periods when interest rates are rising.

Who Manages The Fund?

The Bond Fund is invested by a group of bond managers retained by the State Board of Investment (see page 2 for a listing of these managers).

How Is The Value Of This Fund Determined?

You own shares in the fund, much like you would in a mutual fund. The share value is determined daily and is based on the market value of the entire fund. Any interest earnings are reinvested at the time they are received. Your investment returns are measured by changes in the share value and reflect all realized and unrealized gains (or losses) generated by the fund.

What Is The Past Investment Performance Of This Fund?

The graph below shows how \$1,000 invested in the fund on June 30, 2012 has grown. Cumulatively, \$1,000 would have grown to \$1,155.



The table below displays the fund's actual share values and returns for the last five years. The annualized (annual compounded) return during this five year period was 2.9%.

Fiscal Year Ending June 30			
	Share Value	Rate of Return	
2013	\$16.43	0.8%	
2014	17.25	5.0	
2015	17.62	2.1	
2016	18.66	5.9	
2017	18.82	0.9	

Investment Management Fees

The rate of return for this fund is calculated after investment management fees are deducted. For the upcoming fiscal year, the annual fund investment management fees are expected to be approximately \$0.90 per \$1,000 invested.

Fixed Income Characteristic		ling June 30, 2017
	Bond Fund	BB Barclays Aggregate
Effective Duration (1)	5.55	5.84
Coupon Rate (2)	3.23	3.14
Yield to Maturity (3)	2.72	2.54
Average Life (yrs) (4)	7.84	7.99
Moody's Rating (5)	AA-3	AA-2
(4) The answer and 0/ all answer in the a	a sutfalls astrong at as	40/ -bift in thei-lal

(1)The average % change in the portfolio return given a 1% shift in the yield curve

(2) The average coupon rate of all bonds in portfolio weighted by market value

(3) The annual internal rate of return on the bonds if held to maturity (4) The average life of the bonds in the portfolio weighted by market value

(4) The average life of the bonds in the portfolio weighted by market value (5) Average quality rating in the portfolio weighted by market value

Tracinge quality rating in the portiono weighted by market va

	Top 5 Sector Weigh	ts
Security Name	Bond Fund Weight	BB Barclays Agg Weight
Corporate	27.5	23.7
U.S. Treasury	27.1	36.8
Mortgage	25.0	26.3
Yankee	6.5	6.6
СМО	5.8	1.3

Stable Value Fund

The objectves of the Stable Value Fund are to seek to provide preservation of principal, maintain adequate liquidity to meet potential participant withdrawals and generate a level of income consistent with an underlying portfolio of short to intermediate duration, high quality fixed income securities. The market value of the fund is approximately \$1.6 billion.

The fund is invested in a well-diversified portfolio of high quality fixed income securities. The fund also holds insurance contracts issued by highly rated insurance companies and banks which are structured to provide principal protection for the fund's diversified bond portfolios, regardless of daily market changes, and maintain a relatively stable return profile for the portfolio.

A quarterly factsheet is available for this fund on the SBI's website at <u>http://mn.gov/sbi</u>.

Why Would I Choose This Fund?

The Stable Value Fund is a conservative investment option. This type of investment option may be attractive to you because the possibility of incurring a loss on your original investment is very low. You should also understand that the returns of the fund may not change as quickly as the credited interest rates associated with a money market fund. This lag will tend to work to your advantage when overall interest rates are falling and will tend to work to your disadvantage when overall rates are rising.

Who Manages The Fund?

The fund is managed by Galliard Capital Management, an independently operated subsidiary of Wells Fargo Bank.

How Is The Value Of This Fund Determined?

You own shares in the fund, much like you would in a mutual fund. The share value is determined on a daily basis and reflects the blended crediting rate available from all investments in the fund. Due to the nature of the fund's investments, returns change only modestly from period to period.

What Are The Risks?

While the Stable Value Fund is a conservative investment option it is possible to lose money by investing in this fund. The investment is not guaranteed by either Galliard Capital Management or Wells Fargo Bank.

May I Transfer Money Into This Fund?

Yes. The fund will accept transfers from other investment options in your plan, provided you follow the guidelines established by your plan administrator.

May I Transfer Money Out Of This Fund?

Yes, but there are special withdrawal restrictions that apply only to the Stable Value Fund. You may not transfer balances directly from the Stable Value Fund to the Money Market Fund. You may transfer the Stable Value Fund balance to any other SIF option described in this prospectus for 90 days before moving the balance to the Money Market Fund.

Why Are These Restrictions Necessary?

When short-term interest rates rise above the rates available in the Stable Value Fund, transfers from the Stable Value Fund to the Money Market Fund adversely affect the investments in the Stable Value Fund.

What Is The Past Investment Performance Of This Fund?

The graph below shows how \$1,000 invested in the fund on June 30, 2012 has grown. Cumulatively, \$1,000 would have grown to \$1,109.



The table below displays the fund's returns for the last five fiscal years. The annualized (annual compounded) return during this five year period was 2.1%.

Fiscal Year	Ending June 30 Rate of Return
2013	2.5%
2014	1.9
2015	1.9
2016	2.0
2017	2.1

Investment Management Fees

The rate of return for this fund is calculated after investment management fees are deducted. For the upcoming fiscal year, the annual fund investment management fees are expected be approximately \$2.70 per \$1,000 invested.

Fund Allocation	Ending Ju	ine 30, 2017
Security Backed Investment Cor	ntracts	94.2%
Stable Value Funds		5.0%
Cash Equivalents		0.8%

Sector Allocation of Underlying Fixed Portfolio

Security Name	
U.S. Treasury/Agency	17.6
Other U.S. Government	10.1
Corporates	29.6
Mortgage Backed Securities (MBS)	14.6
Asset Backed Securities (ABS)	15.8
Taxable Municipals	4.6
CMBS	5.7
Cash Equivalents	1.9

Money Market Fund

The return in the Money Market Fund is based on the interest income produced by the fund's investments. The objective of the fund is to provide safety of principal by investing in high-quality, short-term instruments. The value of the fund is approximately \$384 million.

Unlike the funds described earlier, the Money Market Fund does not own stocks or long-term bonds. The fund is invested in short-term, high-quality money market instruments.

A quarterly factsheet is available for this fund on the SBI's website at http://mn.gov/sbi.

Why Would I Choose This Fund?

The Money Market Fund is a conservative investment option. You would choose the fund if you want to maintain the value of your original investment while earning competitive short-term interest rates.

The returns from the fund will vary much less than investments that include stocks or bonds and should closely follow the rise and fall in short-term interest rates.

Who Manages the Fund?

The Money Market Fund is managed by State Street Global Advisors, the organization that provides short-term investment management for a substantial portion of the Board's cash reserves.

How Is This Fund Structured?

The fund is an actively managed cash portfolio structured as a Collective Investment Trust (CIT). The fund is regulated by the Federal Reserve, the Commodity Futures Trading Commission (CFTC), and the National Futures Association (NFA). The fund is not registered with the Securities and Exchange Commission (SEC) and is not subject to the various rules and limitations that apply to money market funds regulated by the SEC.

How Is The Value Of This Fund Determined?

The share value for the Money Market Fund is uniformly priced at \$1.00 per share. There is no assurance that the portfolio will be able to maintain a stable net asset value of \$1.00 per share. Interest earnings are credited on a daily basis by purchasing additional shares on your behalf. The credited interest rate changes only modestly from day to day and reflects the yield available for all investments in the fund.

What Are The Risks?

While a money market fund's objective generally includes the preservation of capital, it is possible to lose money by investing in the fund.

What is the Past Investment Performance Of This Fund?

The graph below shows how \$1,000 invested in the fund on June 30, 2012 has grown. Cumulatively, \$1,000 would have grown to \$1,016.



The table below displays the fund's actual returns for the last five years. The annualized (annual compounded) return during this five year period was 0.3%.

Fiscal Year Ending June 30 Rate of Return	
2013	0.2%
2014	0.2
2015	0.1
2016	0.4
2017	0.8

Investment Management Fees

There are no additional investment management fees for an investment in the Money Market Fund.

Supplemental Investment Fund

Administrator

Minnesota State Retirement System (MSRS)

www.msrs.state.mn.us 60 Empire Drive, Suite 300 St. Paul, MN 55103-3000 (651) 296-2761 or 1-800-657-5757

Public Employees Retirement Association (PERA)

www.mnpera.org 60 Empire Drive, Suite 200 St. Paul, MN 55103-2088 (651) 296-7460

Participating Plans

- Unclassified Employees Retirement Plan
- Health Care Savings Plan
- Deferred Compensation 457(b) Plan
- Hennepin County Supplemental Retirement Plan
- Public Employees Defined Contribution Plan
- Statewide Volunteer Firefighter Retirement Plan

Reporting Agency

Minnesota State Board of Investment (SBI)

http://mn.gov/sbi 60 Empire Drive, Suite 355 St. Paul, MN 55103 (651) 296-3328

Participating Plan

- Local Volunteer Fire Relief Associations not participating in the Statewide Volunteer Firefighter Retirement Plan





*This chart includes the SIF Fixed Interest Fund and SIF Money Market Fund that are offered in the Deferred Compensation Plan.

Procedures – Supplemental Investment Fund

The various participants investing in the Supplemental Investment Fund (SIF) have different procedures that need to be followed. Listed below are directions for each participant group.

- Participants in the following plans should contact the Minnesota State Retirement System (MSRS) for their individual plan procedures:
 - Unclassified Employees Retirement Plan
 - Health Care Savings Plan
 - Deferred Compensation 457(b) Plan
 - Hennepin County Supplemental Retirement Plan
- Participants in the Public Employees Defined Contribution Plan should contact the Public Employees Retirement Association (PERA) for their plan procedures.

- Participants in the Statewide Volunteer Firefighter Retirement Plan (SVFRP) should refer to the prospectus for the SVFRP or contact PERA for their procedures.
- Participants who are not referenced on this page AND who are not Local Volunteer Fire Relief Associations should contact the State Board of Investment for procedures to invest in the SIF.
- Procedures for Local Volunteer Fire Relief Associations not invested in the SVFRP can be found on the following pages.

Local Volunteer Fire Relief Association Procedures

Local fire reliefs that are not invested in the Statewide Volunteer Firefighter Retirement Plan will use the following procedures for the Supplemental Investment Fund.

All funds in the Supplemental Investment Fund (Fund), except the Stable Value Fund*, are available to local relief associations for their pension assets. Local plans have complete discretion in determining the amount invested in any eligible account(s). (See *Minnesota Statutes* Section 356A.06, subdivision 6 and 7.)

How To Open A Plan Account With The SBI

When purchasing shares in the Fund for the first time, a local plan must complete two forms and return them to the SBI:

- The **Relief Association Contact Form** provides the SBI with the permanent address of the Plan and the name, telephone number and e-mail address of the contact person for the Plan. Monthly reports, statement notifications, and other correspondence from the SBI will be mailed and/or e-mailed to the contact person at the e-mail address provided. SBI will e-mail credentials and instructions about activating and using the access and transaction website within five business days of receiving the Contact Form.
- The **Relief Association Wire Instructions Form** provides the SBI with the name of the financial institution and wire instructions that will be used for all withdrawals. All withdrawals from the Fund by your relief association will be sent to the named financial institution via the wire instructions provided. The wire instruction form must be notarized before returning to SBI.

Contribution, Withdrawal And Transfer Procedures

A local plan may contribute, withdraw or transfer shares in the Fund on any business day of the month using one of two methods:

- Instruct the SBI to make the transaction by completing the **Relief Association Transaction Form**. This form tells the SBI what transaction to perform, the Fund(s) involved, the dollar amount of the transaction and whether a check or wire transfer will be used. The **Plan contact person must sign the form and send it** to SBI before 2:00 PM the business day prior to having the funds wired (no same day trades are allowed).
- You may choose to enter your trades online. If you wish to use this method, you must have completed and sent to the SBI the Relief Association Contact Form and the Relief Association Wire Instructions Form. Once the forms are received by the SBI and approved, the SBI will instruct you on access to the system. This could take up to five business days to process.

If an online trade is for one million dollars or greater, you must notify the SBI prior to entering for internal control purposes.

Contributions

Contributions may be made by wire transfer or by check. The SBI prefers contributions be made via wire transfer.

- If you instruct the SBI to process a contribution that was wired to the SBI's custodian bank, you must notify SBI on the Relief Association Transaction Form of the exact date the wire contribution will be sent from the Plan's financial institution to the SBI's custodian bank (State Street Bank) using the wire instructions below.
- If you instruct the SBI to process an online contribution using the access and transaction website, you must make the contribution via wire transfer using the wire instructions below.

*The Stable Value Fund cannot accept contributions from relief associations due to insurance company regulations.

Local Volunteer Fire Relief Association Procedures

Wire Instructions For Wiring Contributions To State Street Bank

STATE STREET/BOSTON/PUBLIC FUNDS FOR THE STATE OF MINNESOTA CREDIT GP31 CREDIT DDA#59845743 ATTN: Matthew Terlaje ABA#0110 000 28

 If you send a contribution by check for the SBI to process, make the check payable to the Minnesota State Board of Investment, and submit the Relief Association Transaction Form. Contributions by check will take a minimum of five days to process.

Withdrawals

The SBI will return withdrawn amounts to relief associations **only** by means of a wire transfer.

Withdrawals will be sent to the financial institution via wire instructions as shown on your Relief Association Wire Instructions Form on file with the SBI.

Your investment in the Funds should be viewed as a longterm investment. Investments carry a risk of loss, and the entity is responsible for determining its risk tolerance and investing accordingly. Funds needed for operations or shortterm obligations should be kept at your local financial institution in an appropriate account; your Plan account with the SBI is not intended for maintaining operating or short-term funds.

Administrative Fees

Administrative fees are deducted directly from the Plans funds quarterly in the following order of priority:

First:	Money Market Fund
Second:	Bond Fund
Third:	U.S. Stock Index Fund
Fourth:	U.S. Stock Actively Managed Fund
Fifth:	Broad International Stock Fund
Sixth:	Balanced Fund

Investment Management Fees

There are no "front-end" or "back-end" loads or other administrative fees charged on contributions, withdrawals or transfers in the Fund. All transactions are made using the daily share value established for each Fund.

Investment Management Fees are deducted from the investment earnings in each Fund before the daily share value for the Fund is computed. These deductions will vary from Fund to Fund and from year to year depending on the actual investment management costs incurred.

Please refer to pages 6-12 of this prospectus for investment management fee information for each of the Accounts.

Reporting

Monthly reports, statement notifications, and other correspondence from the SBI will be mailed and/or e-mailed to the contact person at the e-mail address provided by the Plan on the Relief Association Contact Form on file with the SBI. Monthly reports display current balances, performance and any transactions that may have occurred during the month.

Online access to your Plan's account status is available and includes downloadable current balances, transactions and past statements.

To Change Contact Person Or Financial Institution Information

Allow five business days for processing a change to a contact person or financial institution information on file with the SBI. A local Plan must submit a newly completed Relief Association Contact Form to update a contact on file with SBI, or Wire Instructions Form to change banking information.

To Contact The SBI:

Shirley Baribeau Minnesota State Board of Investment 60 Empire Drive Suite 355 St. Paul, MN 55103-3555 TEL (651) 296-3328 FAX (651) 296-9572 Email: shirley.baribeau@state.mn.us

Supplemental Investment Fund

State Board of Investment

Members

The State Board of Investment (SBI), in conjunction with SBI staff and the Investment Advisory Council (IAC), establishes investment policies for all funds under its control. These investment policies are tailored to the particular needs of each fund and specify investment objectives, risk tolerance, asset allocation, investment management structure and specific performance standards. The Board's membership is specified in the Minnesota Constitution and is composed of the officers listed below. The Board's duties, powers, and investment authority are contained in *Minnesota Statutes*, Chapter 11A.

Governor Mark Dayton State Auditor Rebecca Otto Secretary of State Steve Simon Attorney General Lori Swanson

Investment Advisory Council

The Legislature has established an Investment Advisory Council to advise the Board and its staff on investment related matters. The Board appoints ten members experienced in finance and investments. The Commissioner of Minnesota Management and Budget and the Executive Directors of the three statewide retirement systems are permanent members of the council. Two active employee representatives and one retiree representative are appointed to the Council by the Governor.

- Gary Martin, Chair Kim Faust, Vice Chair Denise Anderson Doug Anderson Kerry Brick Dennis Duerst Myron Frans Susanna Gibbons Morris Goodwin, Jr. Peggy Ingison Erin Leonard Malcolm W. McDonald Carol Peterfeso Jay Stoffel Shawn Wischmeier
- Chief Investment Officer Vice President and Treasurer Governor's Appointee Executive Director Manager, Pension Investments Director, Benefit Funds Investment Commissioner Program Director, Carlson Fixed Income Fund Sr. Vice President and CFO Governor's Appointee Executive Director Director & Corporate Secretary, Retired Chief Treasury and Investment Officer Executive Director Chief Investment Officer
- Macalester College Fairview Health Services Active Employee Representative Public Employees Retirement Association Cargill, Inc. 3M Company Minnesota Management and Budget Carlson School of Management American Public Media Group Active Employee Representative Minnesota State Retirement System Space Center, Inc. University of St. Thomas Teachers Retirement Association Margaret A. Cargill Philanthropies

Executive Director and Staff

To carry out its mission, SBI retains an executive director, an internal investment staff and external investment managers to execute its policies. Staff is responsible to execute board decisions, recommend strategic planning alternatives to the IAC and Board, monitor and evaluate investment performance to ensure long-term investment objectives are met, and provide investment management for the state agency cash and non-retirement fund accounts.

Mansco Perry III, *Executive Director and Chief Investment Officer* Charlene Olson, *Executive Assistant*

Senior Leadership Team

LeaAnn M. Stagg, *Asst. Exec Director & Chief Operating Officer* Paul T. Anderson, *Director, Investment Administration* Andrew Krech, *Director, Private Markets* Michael J. Menssen, *Director, Debt Management* John Mulé, Manager, *Legal and Legislative Policy*

Investment Staff

Patricia Ammann, *Investment Officer* Nathan Blumenshine, *Investment Officer* Cassandra Boll, *Investment Officer* Tammy Brusehaver, *Investment Officer* Stephanie Gleeson, *Investment Officer* Aaron D. Griga, *Investment Officer*

Investment Staff (continued)

Ryan O. Hill, Investment Officer Steven P. Kuettel, Investment Officer Jonathan Stacy, Investment Officer

Administrative Staff

Kailee Anderson, Account Clerk, Senior Shirley Baribeau, Project Team Leader Julie Grill, Accounting Officer, Intermediate Kathy Leisz, Information Technology Specialist 3 Melissa Mader, Office Admin. Specialist, Intermediate William J. Nicol, Accounting Director Kelly Nordstrom, Office Administrative Specialist Iryna Shafir, Investment Compliance Analyst