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CRETARY

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### Correspondence Memorandum

June 19, 2018 Date:

To: **Deferred Compensation Investment Committee** 

- From: Shelly Schueller, Director Wisconsin Deferred Compensation Program
- Subject: Investment Design Review

### Based on the investment design review, the Department of Employee Trust Funds (ETF) suggests that the Investment Committee recommend that the Deferred Compensation Board (Board) reduce the number of fixed options offered in the Wisconsin Deferred Compensation Program.

At the March 2018 meeting, the Board directed the Investment Committee to review the investment options in the Wisconsin Deferred Compensation Program (WDC). The attached review by Bill Thornton, Investment Director at Great West Financial, evaluates the WDC's overall lineup in comparison to other s. 457 plans administered by Empower. It also includes a review of the plan's short-term bond funds and a general overview of stable value funds.

### Investment Options Overview

Mr. Thornton's review compared the WDC's data to 20 state retirement programs that are administered by Empower. The WDC's weighted average expense ratio of 0.28 compares very favorably to the 0.40 weighted average expense ratio of the 20 plans reviewed. In fact, the WDC has the overall lowest weighted average expense ratio.

The review shows that like most other state plans, the WDC currently offers options in the major broad asset classes and most major equity styles. While the average number of cash equivalent funds offered by plans in this review is 1.4, the WDC differs in that it offers three cash equivalent options. With seventeen options offered, the WDC is slightly above the median of fifteen and above the average of thirteen options offered.

### **Fixed Options Review**

The review indicates that the WDC has a higher than average number of fixed income options, with a somewhat unusual concentration in the high-quality/short-term bond fund category. The WDC offers four funds in this "fixed" or cash alternative category: the

Reviewed and approved by Matt Stohr, Administrator, Division of
Retirement Services
Matt Stal Electronically Signed 6/21/18

Board	Mtg Date	Item #
DCIC	6.27.18	4

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Federated US Gov't Securities fund, a stable value fund, an FDIC-insured option and a money market fund. Table 1 provides data on the number of WDC participants and assets invested in these options as of May 31, 2018.

Table 1: Selected WDC Fixed Investment Options As of May 31, 2018						
Fund Name	Participant Accounts	Approx. % of WDC Participants	\$ Average Account Balance	\$ WDC Assets in Option	% of All WDC Assets	
FDIC (Nationwide)	9,533	15.4	11,909	113,529,623	2.22	
Federated US Gov't	6,083	9.8	5,204	31,658,800	0.62	
Money Market (Vanguard Admiral)	6,610	10.7	4,805	31,760,821	0.62	
Stable Value (Galliard)	24,129	38.9	27,416	661,517,761	12.94	

#### Stable Value Fund Overview

The investment design review includes information regarding what is included in a stable value fund and the investment instruments generally included in a stable value fund separate account. Additional information is provided regarding the general structure of stable value funds as well as details of the WDC's current stable value fund.

#### **Fixed Options Discussion**

The Board last reviewed the fixed fund investment options in 2006-2007. The analysis at that time revealed that the WDC offered more fixed fund options than other public deferred compensation plans of similar size. The Investment Committee and ETF recommended that the Board reduce the number of fixed fund options offered through the WDC. However, the Board chose not to take action on this item at that time. In 2008 the economy was facing a financial crisis and the economic downturn influenced the outcome of the fixed investment review. The Board did not want to eliminate any fixed options during a period in which fixed options might have received greater interest and contributions from WDC participants.

This investment design review is particularly timely, as the provider of the WDC's FDIC option announced in May 2018 that it intends to exit the retail bank business by the end of the calendar year. This news requires a decision regarding the FDIC option, unless the Board is comfortable with Nationwide selling the WDC account to another bank. (Please review the Item 5 materials included with the June 27, 2018 Investment Committee agenda for background and alternatives regarding the FDIC option.)

The investment design review confirms that the WDC investment spectrum is over weighted with fixed income options. Further, two of the fixed income options are very similar in investment objective and performance. The investment objective of the FDIC option is to maintain safety of principal while ensuring that the principal plus accrued interest is available to participants. The investment objective of the Vanguard Money Market fund is to provide current income while maintaining liquidity and a stable share price of one dollar.

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ETF suggests a reduction in the number of fixed options offered in the WDC. Given the size and number of participants in the Stable Value Fund, ETF recommends keeping this option. However, the other fixed income options are very similar in investment objective and performance and could possibly be combined in an FDIC-insured money market fund or could be replaced entirely by a Core Bond Plus fund<sup>1</sup>.

### **Decision Alternatives**

If the Investment Committee proceeds with the ETF suggestion to recommend reducing the number of fixed investment options, possibilities include eliminating one or more of the fixed options, consolidating some combination of the fixed options, or replacing some fixed options.

- 1. Do nothing: maintain all four fixed options as currently provided. Note that if the Investment Committee recommends no changes (retain all fixed options), the Board must still make a decision regarding the FDIC option due to Nationwide Bank's announced intent to exit the retail bank business.
- 2. Phase out one of the fixed options. The WDC could eliminate any one of the smaller funds (Federated, FDIC and Money Market) and still offer three fixed options via the Stable Value Fund and the remaining fixed funds.
- 3. Phase out two of the fixed options. The WDC could eliminate or consolidate any combination of the smaller funds (Federated, FDIC and Money Market) and still offer two fixed options via the Stable Value Fund and another fixed fund.
- 4. Phase out all three of the smaller fixed options (Federated, FDIC and Money Market) and offer only one fixed option: the Stable Value Fund.
- 5. Phase out any combination of the smaller funds (Federated, FDIC and Money Market) and replace with either an FDIC-insured money market fund or a Core-Plus bond fund along with the Stable Value Fund. Per the Board's Investment Policy Statement, adding a new fixed option would require a competitive bid process.

Staff will be at the meeting to discuss the contents of this memo and answer questions.

Attachment: WDC Program – Investment Design Review by Bill Thornton of Great-West Financial (June 2018)

<sup>&</sup>lt;sup>1</sup> From Investopedia: "Core plus is an investment management style that permits managers to add instruments with greater risk and greater potential return to a core base of holdings with a specified objective. Core plus funds are typically associated with fixed income funds, adding alternative investments such as high-yield, global and emerging market debt to a core portfolio of investment-grade bonds. Core plus equity funds may also exist with a similar strategy using alternative investing to enhance the return from a core market segment."

Attachment

Great-West Investments<sup>™</sup> Wisconsin Deferred Compensation Program

## Wisconsin Deferred Compensation Program – Investment Design Review

Bill Thornton Investment Director, Govt. Markets



### Contents

- I. Fund Lineup Review
- II. Short Term Bond Fund Review
- III. Stable Value Overview
- IV. Considerations



# **Fund Lineup Review**

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## **Expense Summary**

As one might expect, plans with larger asset bases tend to have lower overall investment expenses. Several of the larger Empower state plans use commingled investment trusts (CITs), which typically provide lower expense ratios than their mutual fund counterparts.

State Asset Size	Number of States	Weighted Avg. Expense Ratio
States with \$100 million to \$500 million	4	0.48
States with \$500 million to \$1 billion	13	0.42
States with over \$1billion	3	0.31
Total	20	0.40
State of Wisconsin	1	0.28

<sup>1</sup> Excludes funds that typically do not have explicit expense ratios. Assets held in self-directed brokerage, FDIC-insured cash savings funds, and general account products were excluded.



## **Data Summary**

The following slides were created from an extensive study of data collected from Empower Retirement's state-level recordkeeping clients. Although the study does not include every state in the U.S., it does leverage Empower Retirement's position as the largest record keeper for government entities in the country. This study encompasses data from 20 distinct state retirement programs<sup>1</sup>, which comprise 59 separate retirement plans.

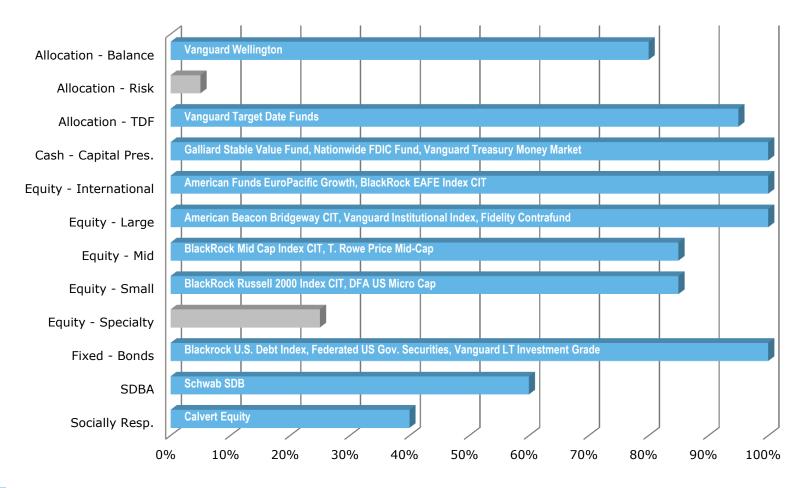
State Asset Size	Number of States	Number of Plans
States with \$100 million to \$500 million	4	7
States with \$500 million to \$1 billion	13	47
States with over \$1billion	3	5
Total	20	59

<sup>1</sup> States with less than \$100 million in assets on the Empower platform were excluded



### **Broad Asset Class Offering**

The Wisconsin plan has all the major broad asset classes available to participants in other large state plans

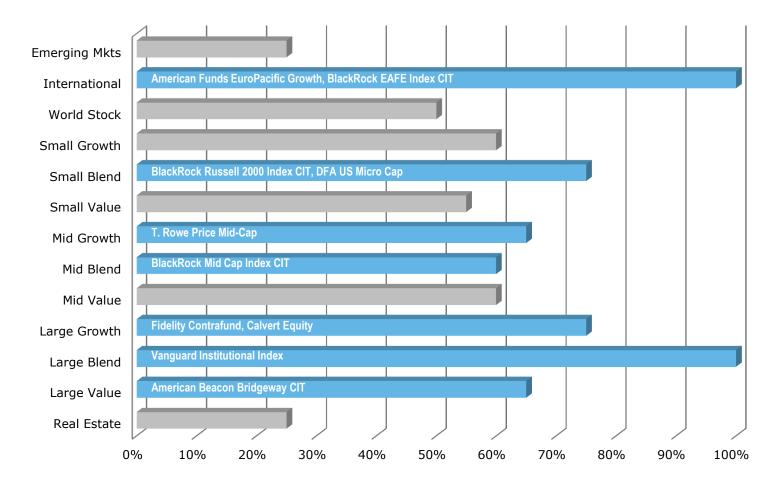


Broad asset classes offered in the Wisconsin Deferred Compensation Program



## **Equity Style Offering**

The Wisconsin plan has most major equity styles currently included in the plan



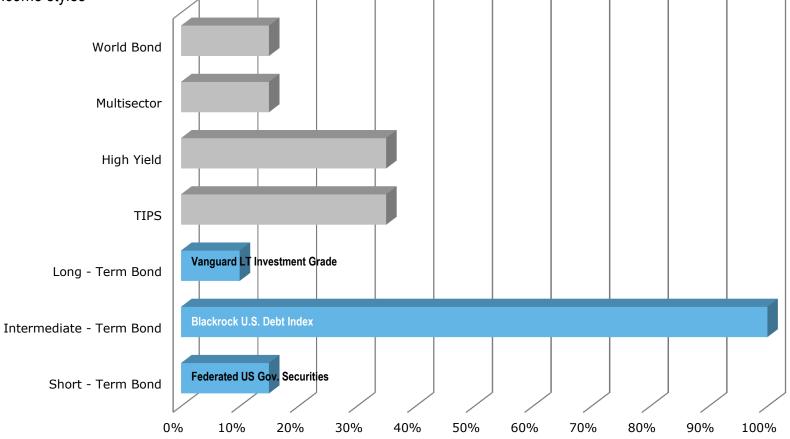
Equity styles offered in the Wisconsin Deferred Compensation Program

The styles are classified according to their Morningstar category

GREAT-WEST

## **Fixed Income Style Offering**

Approximately 40% of states offer at least one fund geared specifically toward corporate bonds (high yield, multisector, or long-term corporate funds). Like Wisconsin, only 30% of states (20% of plans) offer more than two fixed income styles

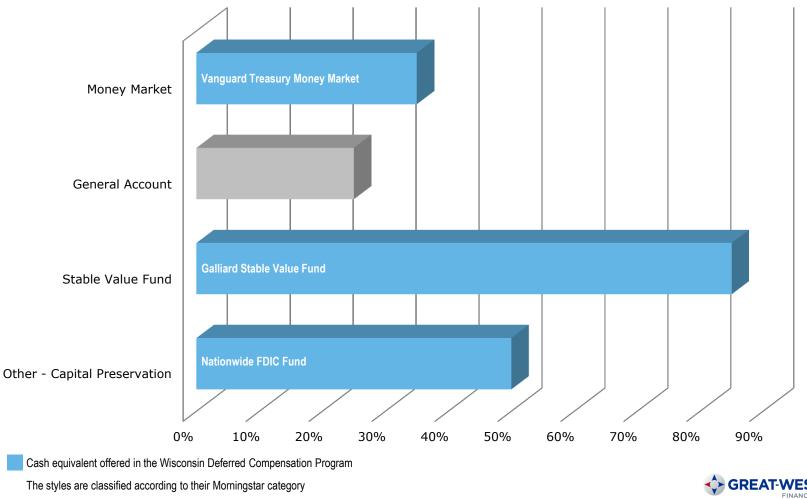


Fixed Income Styles offered in the Wisconsin Deferred Compensation Program

The styles are classified according to their Morningstar category

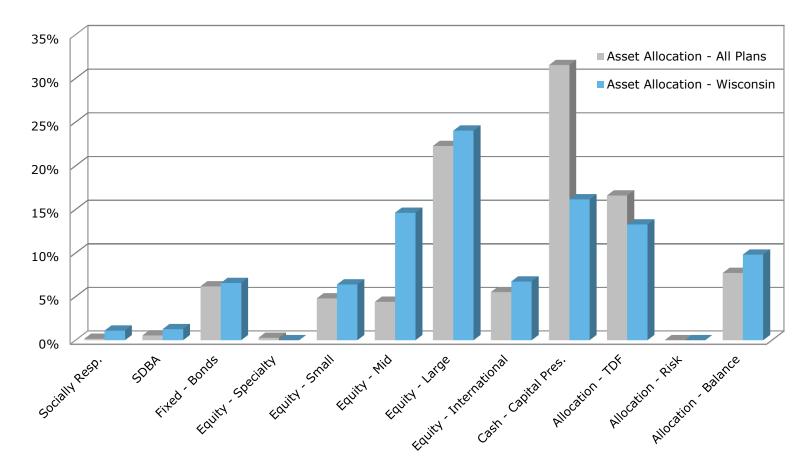
## **Cash Equivalent Offering**

The average number of cash equivalent funds / products offered by the plans in the study is 1.4. With 3 cash equivalent options (excluding the short term bond fund), the Wisconsin plan offers more cash equivalent options relative to the other plans in the study



### **Broad Asset Class Usage**

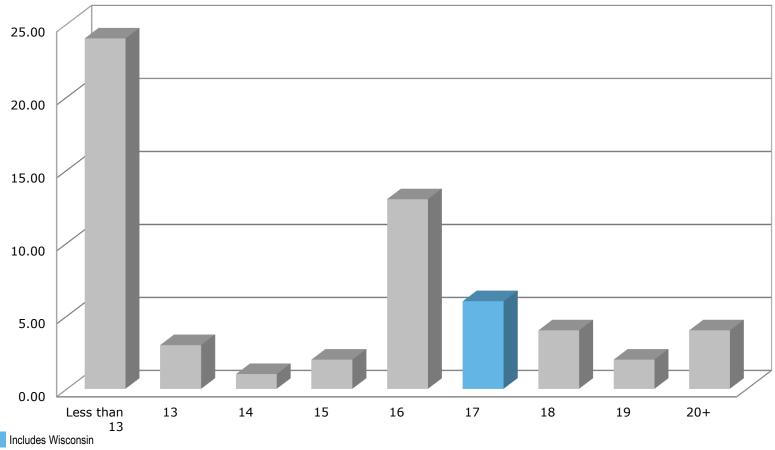
The plans in the study have more assets allocated to capital preservation but less assets allocated to domestic mid cap equity relative to Wisconsin





### **Distribution of Number of Investment Options**

The average number of investment options offered in the state plans considered was approximately 13. Nevertheless, above 50% offer up to 15 investment options while the remaining 50% offer more than 15 investment options



The series of asset allocation funds and target date funds were considered as one fund. Non-core funds such as self directed brokerage window, annuity products, and life insurance products were excluded from the count



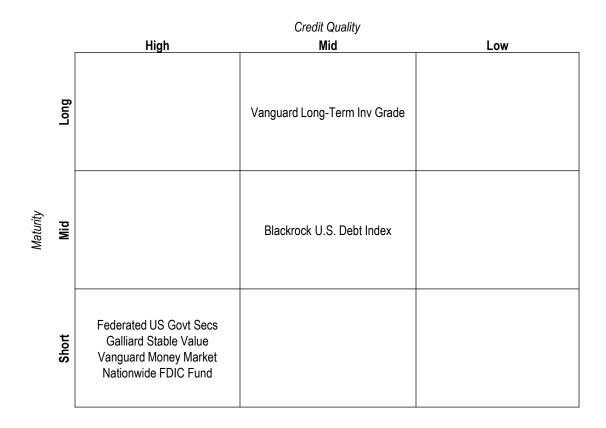
# Short Term Bond Fund Review

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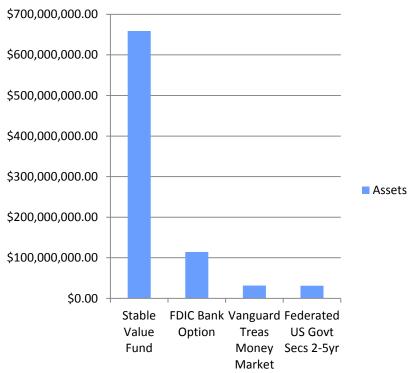
### **Fixed Income Categories**

The Wisconsin Deferred Compensation Plan has a higher than average number of fixed income fund options, however most of them are in the High Quality/Short-Term bond category.

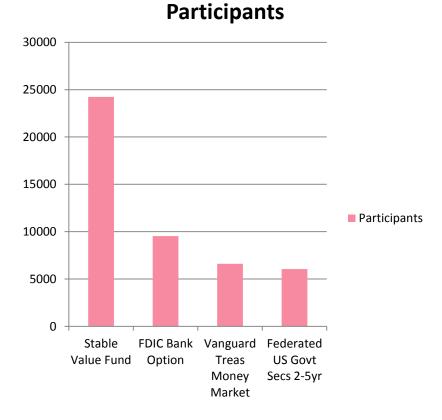




### **Short Term Bond Fund Assets & Participants**



Assets



Data as of June 15, 2018.



### **Short Term Bond Comparison**

	Avg <u>Credit Quality</u>	Avg <u>Maturity</u>	Avg <u>Duration</u>	Expense <u>Ratio</u>
Federated US Govt 2-5 Yr Fund	AAA	6.9 yrs	4.8 yrs	0.59
Galliard Stable Value Fund	A+/AA	-	2.98 yrs	0.34
Vanguard Treas Money Market Fund	AAA	56 days	-	0.09
Nationwide FDIC Fund	-	-	-	0.00

Data as of March 31, 2018, for the Federated and Galliard funds. For the Vanguard fund, data is as of May 31, 2018.



## **Stable Value Fund Overview**

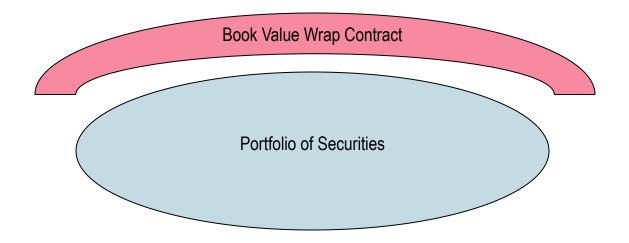
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### **Stable Value Funds**

A **stable value fund** is an investment option available primarily to qualified retirement plans such as a 401(k). It is a managed portfolio of highly rated corporate or government, short-term and intermediate-term bonds with a principal protection wrapper provided by a life insurance company.

- definition from Investopedia





### **Separate Account Holdings**

Most stable value separate accounts are invested in one or more of the following instruments

- Guaranteed Investment Contracts (GICs)
  - GICs are stable value investment contracts issued by an insurance company that pays a specified rate of return for a specific period of time
- Security Backed Investment Contract (SBIC)
  - Investment contract backed by a pool of securities
- Separate Account GICs (SAGIC)
  - Investment contract purchased from an insurance company backed by assets outside of the company's general account. Insurance company owns assets.
- Synthetic GIC
  - Investment contract where plan owns assets in a trust and purchases a wrap contract to provide book value accounting for participant transactions.



### Wrap Contract

What the wrap contract does

- Allows participants to transact at full "book value"
  - Total of all of their contributions and all earnings
- Removes market value fluctuation

What the wrap contract does not do

- Does not provide guarantees around portfolio holdings
- Does not cover defaulted securities



### **Stable Value Structure**

There are several different ways to structure stable value funds, but they mainly fall into two major categories:

- Separate Account
  - The stable value fund is managed specifically for an individual retirement plan
- Pooled Account
  - Also known as a commingled fund
  - Assets from many different retirement plans are included in a single pool of assets

The Wisconsin Deferred Compensation plan has a separate account fund with Galliard.



### Wisconsin Stable Value Fund

The Wisconsin Stable Value Fund currently has the following general characteristics\*:

- Separate Account structure
- Multiple investment managers
  - Galliard (63%), Jennison (10%), Dodge & Cox (12%), TCW (8%), Wells Fargo (7%)
- Multiple wrap providers
  - American General Life (20%), Nationwide (11%), Prudential (20%), Transamerica (23%), Voya (19%)
- Expense ratio of 0.34%
  - Investment Management fees paid to Galliard .09%
  - Wrap Contract fees 0.18%
  - Acquired Fund Fees 0.07%



Data as of March 31, 2018

## Considerations

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### Considerations

- The FDIC Fund is terminating
  - Nationwide announced that it is leaving the business as of December 31, 2018
  - Could seek another provider or merge assets into another fund in the lineup
- Interest rate environment for Vanguard Long-Term Inv Grade Fund
  - In a rising rate environment, the fund could experience relatively large losses
  - Communication to participants needed?
- Redundancy of short term bond funds
  - Four short term bond funds could be reduced to two funds
  - Possibly add Core Plus bond fund
- Leverage stable value fund for substantial cost savings
  - Multi-manager, multi-wrap approach can be expensive
  - Capital preservation fund frequently managed by recordkeeping firm to reduce costs



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