

# Independent Investment Committee's Quarterly Report to the Board January 10, 2023



# **Discussion Topics**

- Asset Allocation and Portfolio Structure
- Investment Performance
- Universe Comparisons
- Investment Expenses by Asset Class

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### **Key Observations**

#### NHRS Pension Plan

#### **Asset Allocation and Portfolio Structure**

Overall, the Fund's asset allocation was close to the permissible Policy ranges at quarter-end. The Fund's allocation to defensive positions, including fixed income and cash, represented 21.0% of total assets. The fixed income allocation was below the policy range by 0.8%, balanced by a 1.8% allocation to cash equivalent instruments. Opportunities to rebalance the fixed income allocation back within the Investment Policy parameters should continue to be explored. The international equity component of the Fund is in the process of being rebalanced, per NHRS Staff's recommendations and the IIC's approval in November. The Fund had an overweight to domestic equity, real estate and alternatives, and underweight positions within non-U.S. equity and fixed income

#### **Investment Performance**

- The Fund had a gross return of -3.19% over the first quarter of Fiscal Year 2023, outperforming the market benchmark by 2.66% and ranking in the 22<sup>nd</sup> percentile of its peers. On a net-of-fees basis, the Fund returned -3.35%
  - The Alternative Assets, Non-U.S. Equity, U.S. Equity and Fixed Income portfolios had positive impacts on relative performance
  - By contrast, the Real Estate portfolio detracted from performance
- Overall, performance is competitive relative to both benchmarks over longer periods measured. The Fund outperformed the
  peer group median over the long term, ranking in the top 17% of peers in the trailing 10-year period, and in the top 37% of
  peers over the last 25 years
- The Fund exhibits attractive risk-adjusted performance, as measured by the Sharpe Ratio over the last five years. In addition, relative risk-adjusted scores, as measured by the Excess Return Ratio, are also strong. Both of these ratios ranked within the top 30% of peers

#### **Other Developments**

 NHRS Staff and Callan will work closely together to evaluate the Fund's strategic asset allocation and overall portfolio structure in 2023

Callan

# **Total Fund**

# Actual Asset Allocation vs. Target, as of September 30, 2022

#### **Target Asset Allocation Actual Asset Allocation** Domestic Equity 30% Domestic Equity 31% Cash Alternative Assets Non US Equity 15% Non US Equity 20% 13% Alternative Assets 21% Real Estate 10% Fixed Income 19% Fixed Income 25% Real Estate 13%

Asset Class	\$Millions Actual	Weight Actual	Target	Percent Difference	\$Millions Difference
Domestic Equity	3,194	31.1%	30.0%	1.1%	117
Non US Equity 1	1,364	13.3%	20.0%	(6.7%)	(687)
Fixed Income	1,965	19.2%	25.0%	(5.8%)	(599) 355
Real Estate	1,381	13.5%	10.0%	3.5%	355
Alternative Assets	2,172	21.2%	15.0%	6.2%	633
Cash	180	1.8%	0.0%	1.8%	180
Total	10,256	100.0%	100.0%		

<sup>\*</sup>Current Quarter Target = 30% Russell 3000 Index, 25% Bloomberg Universal, 20% MSCI ACWI ex US, 10% NCREIF NFI-ODCE Val Wt Net lagged 3 months, 10% Russell 3000 Index lagged 3 months+2.0%, 2.5% Bloomberg HY Corp lagged 3 months+1.0%, and 2.5% S&P/LSTA Lev Loan 100 lagged 3 months+1.0%.

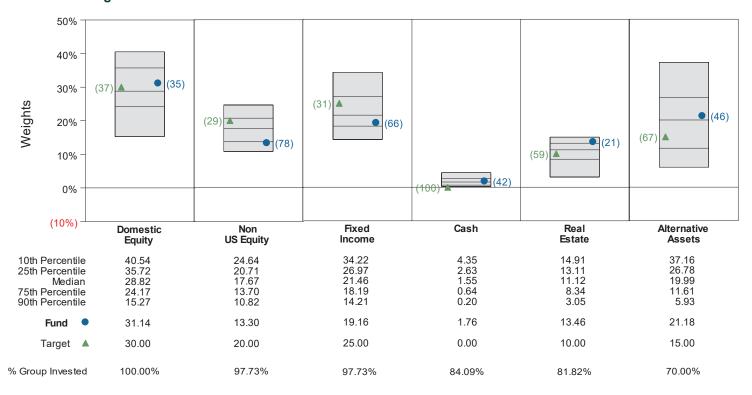
Callan

<sup>\*\*</sup>The United States equity portion of the Walter Scott Global Equity fund is allocated to the Domestic Equity composite.

## **Total Fund**

Actual Asset Allocation vs. Large Public DB Plan (>\$1B) Peer Group, as of September 30, 2022

#### Asset Class Weights vs Callan



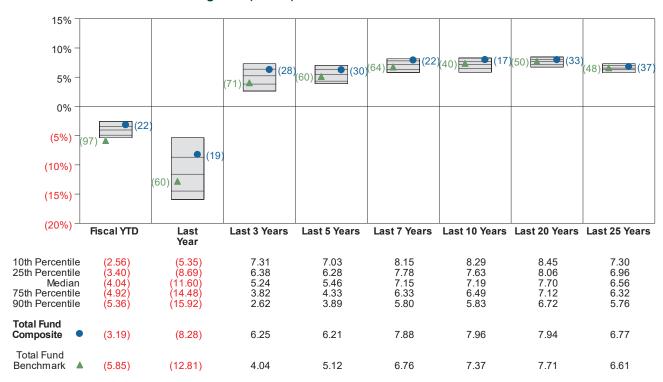
\*Current Quarter Target = 30% Russell 3000 Index, 25% Bloomberg Universal, 20% MSCI ACWI ex US, 10% NCREIF NFI-ODCE Val Wt Net lagged 3 months, 10% Russell 3000 Index lagged 3 months+2.0%, 2.5% Bloomberg HY Corp lagged 3 months+1.0%, and 2.5% S&P/LSTA Lev Loan 100 lagged 3 months+1.0%.



# **Total Fund Performance – Gross of Investment Management Fees**

Performance vs. Large Public DB Plan (>\$1B) Peers, as of September 30, 2022

#### Performance vs Callan Public Fund Large DB (Gross)



Note: Investment results are shown gross of investment management fees versus corresponding peer group.

\*Current Quarter Target = 30% Russell 3000 Index, 25% Bloomberg Universal, 20% MSCI ACWI ex US, 10% NCREIF NFI-ODCE Val Wt Net lagged 3 months, 10% Russell 3000 Index lagged 3 months+2.0%, 2.5% Bloomberg HY Corp lagged 3 months+1.0%, and 2.5% S&P/LSTA Lev Loan 100 lagged 3 months+1.0%.



#### **INVESTMENT EXPENSES BY ASSET CLASS**

Investment activity fees and other related expenses: For the Quarter and Fiscal Year to Date through 09/30/22 (in thousands)

	Assets	Under Management	Fees	(Quarter)	Fee	s (FYTD)
Equity Investments						
Domestic (U.S.)	\$	3,193,831	\$	2,455	\$	2,455
Non-U.S.	\$	1,364,485	\$	2,507	\$	2,507
Fixed Income Investments	\$	1,965,043	\$	1,455	\$	1,455
Alternative Investments	\$	2,171,902		-		-
Gross		-	\$	3,886	\$	3,886
Real Estate Investments	\$	1,389,846		-		-
Gross		-	\$	3,335	\$	3,335
Cash	\$	180,076		-		-
Subtotal Gross Investment Mgt Fees		-	\$	13,638	\$	13,638
Custodial Fees		-	\$	149	\$	149
Brokerage Fees		-	\$	282	\$	282
Investment Advisor Fees		-	\$	163	\$	163
Investment Professional Fees		-	\$	91	\$	91
Investment Staff Administrative Expense		-	\$	241	\$	241
Subtotal Investment Servicing Fees		-	\$	926	\$	926
TOTAL GROSS INVESTMENT EXPENSES		10,265,183	\$	14,564	\$	14,564

#### Notes:

- 1. Fees for both the Quarter and the Fiscal Year to Date shown here are reported on a cash basis. For most fees, there is a lag between the service provided and payment of the fee.
- 2. Gross fees are those paid in the quarter for partnership operating costs.
- 3. Annual audited GAAP accrual fee amounts are included in the Annual Comprehensive Financial Report (ACFR), audited by the external auditor Plante Moran, as well as in the Comprehensive Annual Investment Report (CAIR). Both reports are available at https://www.nhrs.org/funding-and-investments/reports-valuations.
- 4. NHRS requires a "most favored nation" clause in investment contracts that states that if another comparable public plan invests in a fund at a lower fee structure, NHRS' fees will also be adjusted downward.

#### **DEFINITION OF ASSET CLASSES**

**Domestic Equity:** The allocation to domestic equity serves to expose the fund to the largest economy of the world. An allocation to domestic equity should allow for return enhancement and principal appreciation.

**Non-U.S. Equity:** The allocation to non-U.S. equity, both developed and emerging markets, will serve as potential for return enhancement and principal appreciation. A secondary consideration is the diversification it provides from the U.S. market. While the U.S. and non-U.S. markets are considerably correlated, they are not perfectly correlated. Assets that are not perfectly correlated serve to reduce volatility over the long term.

**Fixed Income:** The investment in fixed income will serve to reduce volatility experienced in the equity markets, as well as offer an opportunity for return enhancement by investment in selected securities (for example, investment grade corporates and high yield).

A portion of the fixed income allocation is expected to be invested in Treasury or other government-related issues, which will serve to reduce risk within the portfolio.

Alternative Investments: Alternative investments are nontraditional investments, not covered by another investment class. In general, alternative investments are incorporated into the NHRS asset allocation to enhance the portfolio's risk-adjusted return (private equity/private debt) or to diversify volatility (opportunistic strategies). While the risk associated with these types of investments is higher than that of other asset classes, the expected return is also higher.

Real Estate: The investment in real estate will serve as an inflation hedge, return enhancement opportunity, income generator, and diversification source and will include investments within core, value-added, and opportunistic opportunities.