

**South Central Connecticut Regional Water Authority**

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Or

**\*\*Dial in by phone**

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Phone conference ID: 732 808 079#

**AGENDA**

**Regular Meeting of Thursday, January 23, 2025 at 12:30 p.m.**

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1. Call to Order
  - 1.1 Safety Moment
2. Public Comment: The time limit granted to each speaker shall be three (3) minutes. Residents and customers may address the Board.
3. Meet as Pension & Benefit Committee: C. LaMarr
  - 3.1 Approve Minutes – October 24, 2024 regular meeting
  - 3.2 Quarterly Investment Performance Review – Pension and VEBA: S. Kelliher, J. McLaughlin and A. Kantapin
4. Act on matters arising from Committee meeting
5. Consent Agenda
  - 5.1 Approve Minutes:
    - a. December 10, 2024 emergency meeting
    - b. December 15, 2024 emergency meeting
    - c. December 17, 2024 emergency meeting
    - d. December 19, 2024 regular meeting
  - 5.2 Capital Budget Authorization – February 2025
  - 5.3 Monthly Financial Report – December 2024
  - 5.4 Accounts Receivable Update – December 2024
6. Reports on RPB Committee meetings
7. Business Updates: S. Lakshminarayanan
  - 7.1 RWAY/CIS Update: P. Singh
  - 7.2 Monthly Business Highlights: S. Lakshminarayanan
    - a. Deer Hunt Update: N. Smith
  - 7.3 \*Blue Drop Update: S. Lakshminarayanan and R. Kowalski - *Upon 2/3 vote, convene in executive session pursuant to C.G.S. Section 1-200(6)(E) to discuss matters covered by Section 1-210(b)(5)(A)(B), pertaining to trade secrets and commercial and financial information.*
    - a. Discussion to consider resolution associated with Blue Drop - *Upon 2/3 vote, convene in executive session pursuant to C.G.S. Section 1-200(6)(E) to discuss matters covered by Section 1-210(b)(5)(B), pertaining to commercial and financial information.*
8. Lake Whitney Dam Update: S. Lakshminarayanan and L. Marcik - *Upon 2/3 vote, convene in executive session pursuant to C.G.S. Section 1-200(6)(E) for matters covered by Section 1-210(b)(19)(i)(ii), pertaining to security risk.*

**\*\*Members of the public may attend the meeting in person or by conference call. To view meeting documents please visit <https://tinyurl.com/3uywxm36>. For questions, contact the board office at 203-401-2515 or by email at [jslubowski@rwater.com](mailto:jslubowski@rwater.com).**

\*RPB Member (P. Betkoski) is excused at Item 7.3.

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## January Safety Moment – Winter Storm Preparedness

Tap Into  
Safety



Regional Water Authority

Winter storms can bring extreme cold, freezing rain, sleet, heavy snowfall, ice, and high winds. These storms can cause transportation, heat, power, and communication disruptions. They also close schools, stores, and workplaces. Heavy snowfall, ice, and extreme cold can quickly immobilize an entire region. Your family should be prepared to protect themselves from the hazards of winter weather - blizzards, heavy snow, freezing rain, and sleet.

### Activity/Process

**Plan to Stay Warm** – Dress properly for the weather, including dressing in layers. Warming breaks in a vehicle or building can let you avoid cold weather-related injuries.

**Stay Connected** – During extreme weather, keep cell phones charged and a radio on hand with extra batteries.

**Prepare Supplies** – Go-Kits are recommended for vehicles and home during winter months.

#### Emergency Supplies for a vehicle should include:

- Chargers or extra batteries
- Blanket, hat, gloves, and extra socks
- Windshield Scraper
- Shovel, Sand
- Flashlight, Flares, Jumper Cables
- Food and Water
- First Aid Kit

#### Emergency Supplies for a home should include:

- 3 days of supplies for every member of the household
- Cellphone and charger, extra batteries
- Food, Water and Medications
- Warm clothing and blankets
- Shovel and Ice melt for walkways and drives
- Portable radio, flashlight, matches.

**South Central Connecticut Regional Water Authority  
Pension & Benefit Committee**

**Minutes of the October 24, 2024 Meeting**

The regular meeting of the South Central Connecticut Regional Water Authority (“RWA”) Pension & Benefit Committee took place on Thursday, October 24, 2024 at the South Central Connecticut Regional Water Authority, 90 Sargent Drive, New Haven, Connecticut, and via remote access. Chair LaMarr presided.

Present: Committee – Mss. LaMarr and Sack, and Messrs. Borowy, Curseaden, and Ricozzi  
Management – Mss. Kowalski and Calo(R), and Messrs. Bingaman(R), Hill(R),  
Lakshminarayanan, and Singh  
RPB – Ms. Young(R)  
Morgan Stanley – Messrs. Kelliher(R), McLaughlin(R), and Kantapin(R)  
Staff – Mrs. Slubowski

**C. MEET AS PENSION & BENEFIT COMMITTEE**

The Chair called the meeting to order at 12:34 p.m.

**C.1 APPROVE MINUTES**

On motion made by Mr. Borowy and seconded by Mr. Ricozzi, the Committee voted unanimously to approve the minutes of its meeting held on July 25, 2024, as amended.

Borowy	Aye
Curseaden	Absent
LaMarr	Aye
Ricozzi	Aye
Sack	Aye

**C.2 QUARTERLY INVESTMENT PERFORMANCE REVIEW**

At 12:38 p.m., Mr. Curseaden entered the meeting.

Messrs. Kelliher, McLaughlin, and Kantapin of Morgan Stanley, RWA’s Plan Advisor, reported on the Authority’s investment performance for the pension plans and the Voluntary Employees’ Beneficiary Association (VEBA), for the period ended September 30, 2024, which included:

- Market commentary
- Asset allocations
- Investment results
- Liability analysis

Committee members discussed the liability analysis, associated asset allocation, potential reallocations, and future considerations. After discussion, it was determined that the committee would discuss potential reallocations at its next committee meeting.

Mr. Kantapin reviewed the advisory fee, investment costs, and a comparison over time.

At 1:50 p.m., Messrs. Kelliher, McLaughlin, and Kantapin withdrew from the meeting and on motion made by Ms. Sack and seconded by Mr. Curseaden, the Committee voted unanimously to adjourn the meeting.

Borowy		Aye
Curseaden	Aye	
LaMarr		Aye
Ricozzi		Aye
Sack	Aye	

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Catherine LaMarr, Chair

(R) = Attended remotely.

UNAPPROVED

# Morgan Stanley

## THE KELLIHER CORBETT GROUP AT MORGAN STANLEY

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## Discussion Outline & Agenda

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	Section
Market Commentary	I.
Asset Allocation & Investment Matrices	II.
Investment Results	III.
Appendix	IV.
- Investment Holdings Analysis	

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## Market Commentary







# S&P 500 Index at inflection points

Equities

## S&P 500 Price Index



Source: Compustat, FactSet, Federal Reserve, Refinitiv Datastream, Standard & Poor's, J.P. Morgan Asset Management. Dividend yield is calculated as consensus estimates of dividends for the next 12 months, divided by most recent price, as provided by Compustat. Forward price-to-earnings ratio is a bottom-up calculation based on IBES estimates and FactSet estimates since January 2022. Returns are cumulative and based on S&P 500 Index price movement only, and do not include the reinvestment of dividends. Past performance is not indicative of future returns. Guide to the Markets – U.S. Data are as of December 31, 2024.

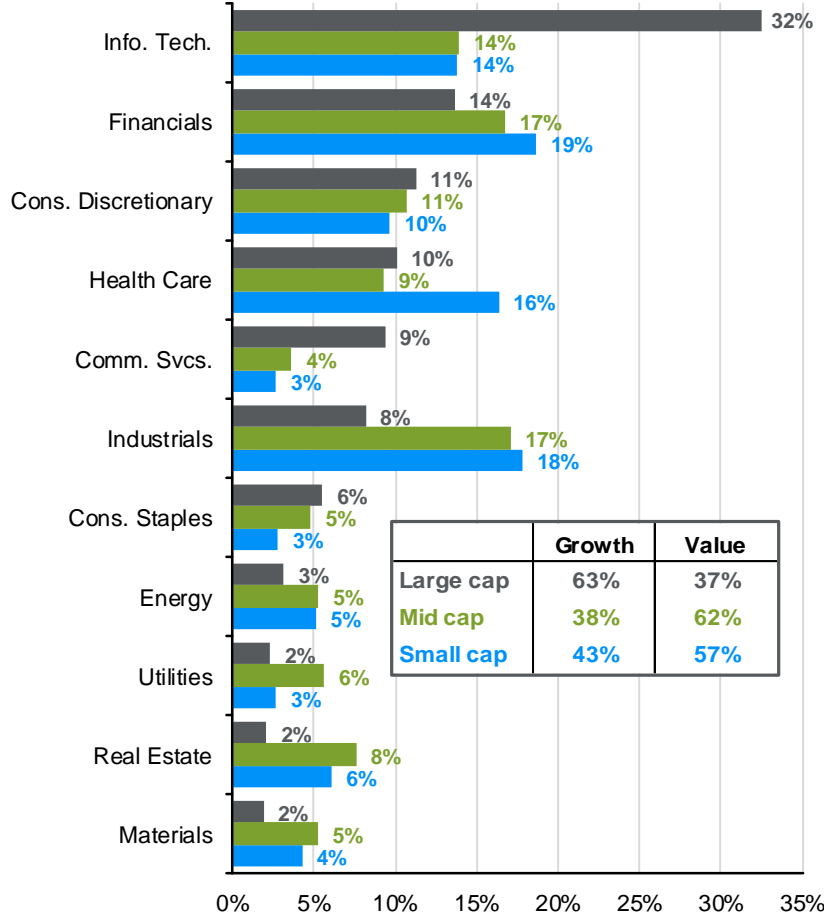


# Small caps, mid caps and large caps

Equities

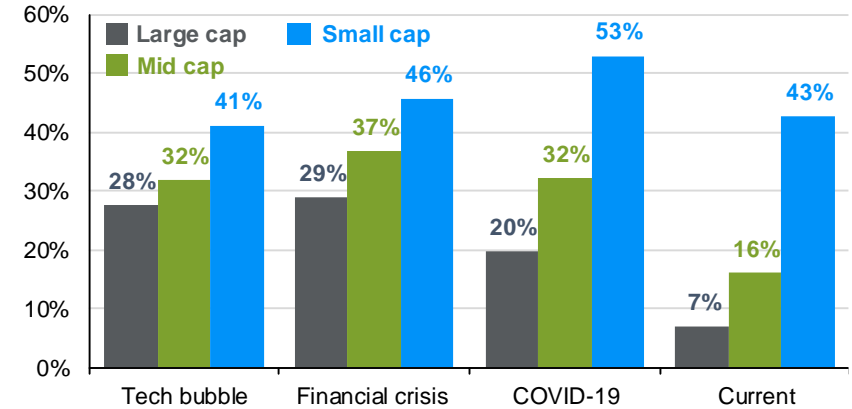
## Sector composition

% of index market capitalization



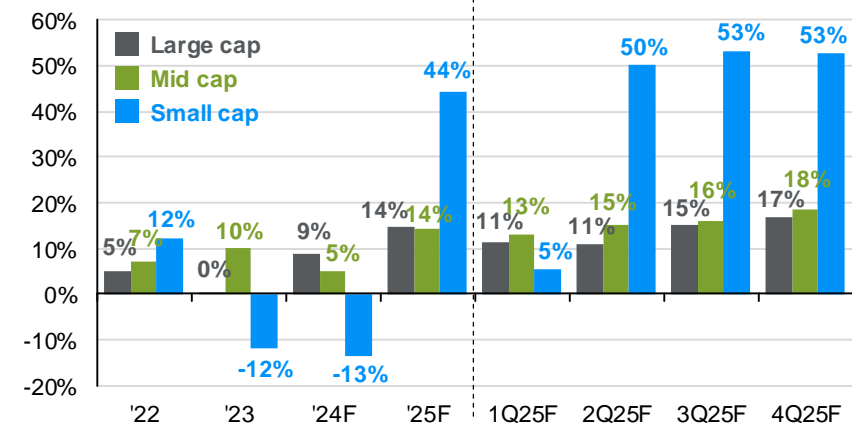
## Percent of unprofitable companies

Pro forma EPS



## Earnings growth

Pro forma EPS, y/y



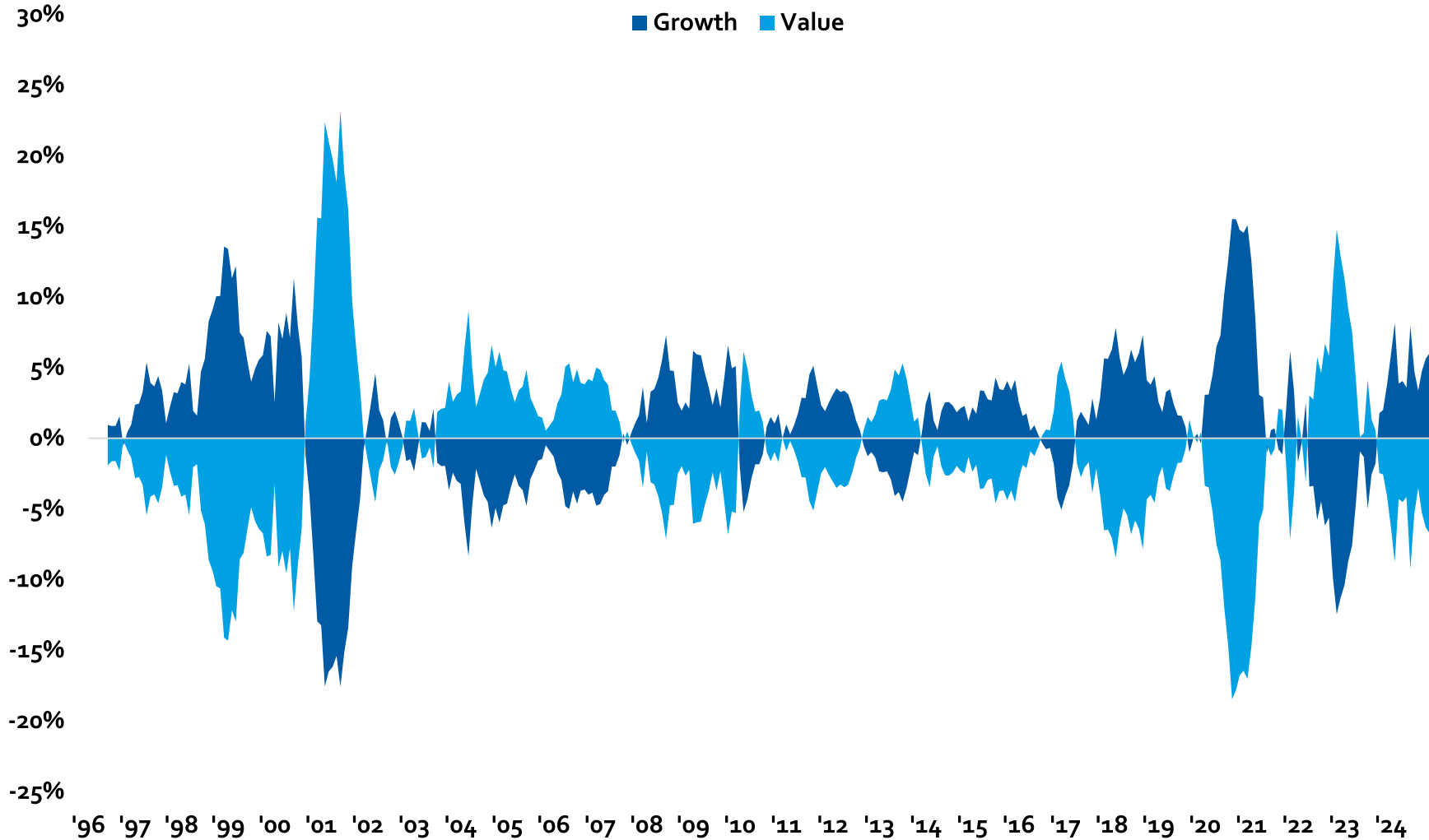
Source: Compustat, FactSet, FTSE Russell, NBER, J.P. Morgan Asset Management.  
 The S&P 500 is used for large cap. The Russell Mid Cap is used for mid cap. The Russell 2000 is used for small cap. Data for the percent of unprofitable companies in each index are from the following quarters: Tech bubble = 4Q01, Financial crisis = 4Q08, COVID-19 = 1Q20 and Current = 3Q24.

Guide to the Markets – U.S. Data are as of December 31, 2024.

# US Equity Excess Performance by Style Factor (Growth/Value)

Excess Performance vs S&P 500 (12 Month Returns, Rolling)

As of December 31, 2024



Source: Bloomberg, Morgan Stanley Wealth Management GIO. Growth is represented by the S&P 500 Growth Index; Value by the S&P 500 Value Index

Past performance is no guarantee of future results. Estimates of future performance are based on assumptions that may not be realized. This material is not a solicitation of any offer to buy or sell any security or other financial instrument or to participate in any trading strategy. Please refer to important information, disclosures and qualifications at the end of this material.

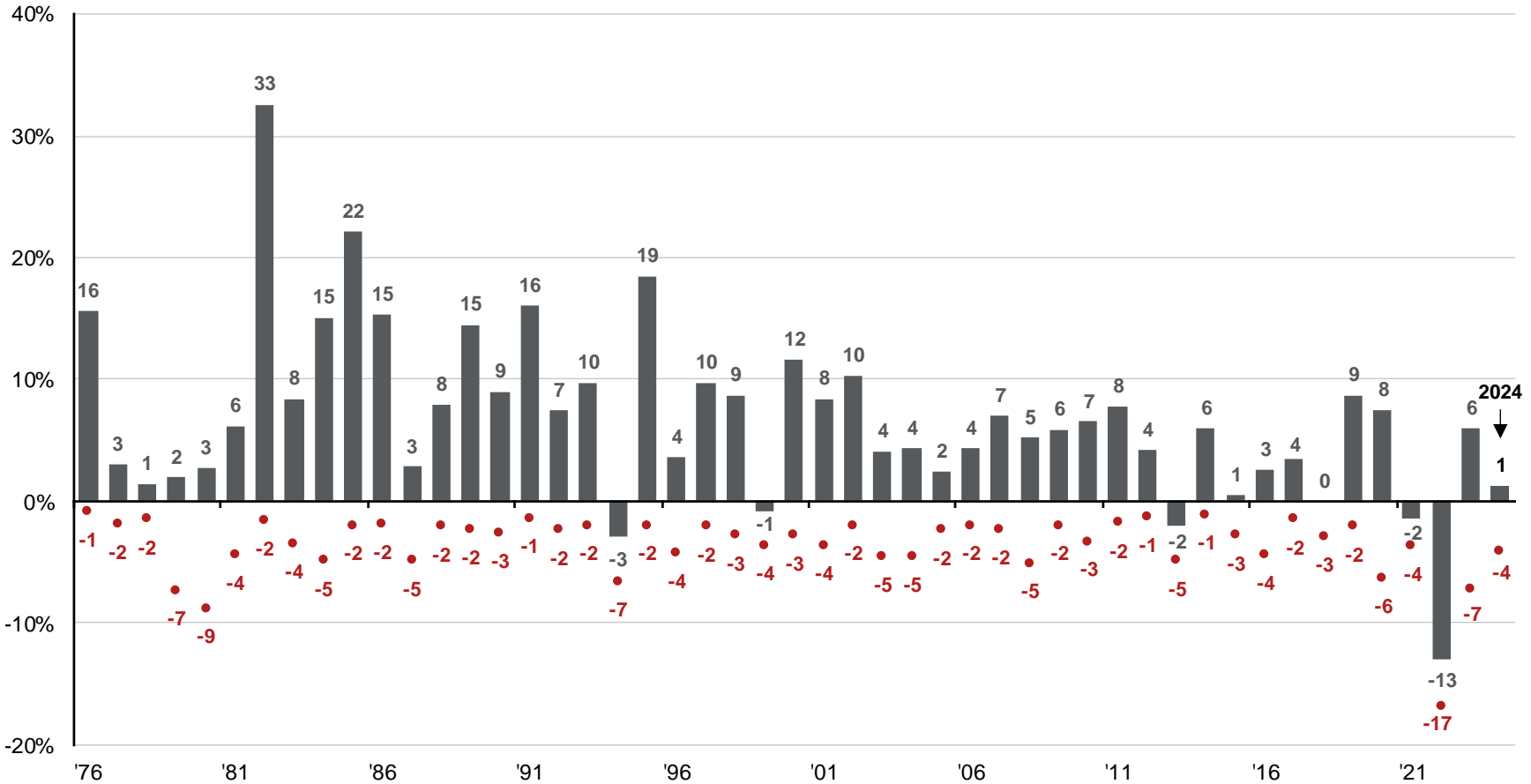


# Bloomberg U.S. Agg. annual returns and intra-year declines

Fixed Income

## Bloomberg U.S. Aggregate intra-year declines vs. calendar year returns

Despite average intra-year drops of 3.5%, annual returns were positive in 44 of 49 years



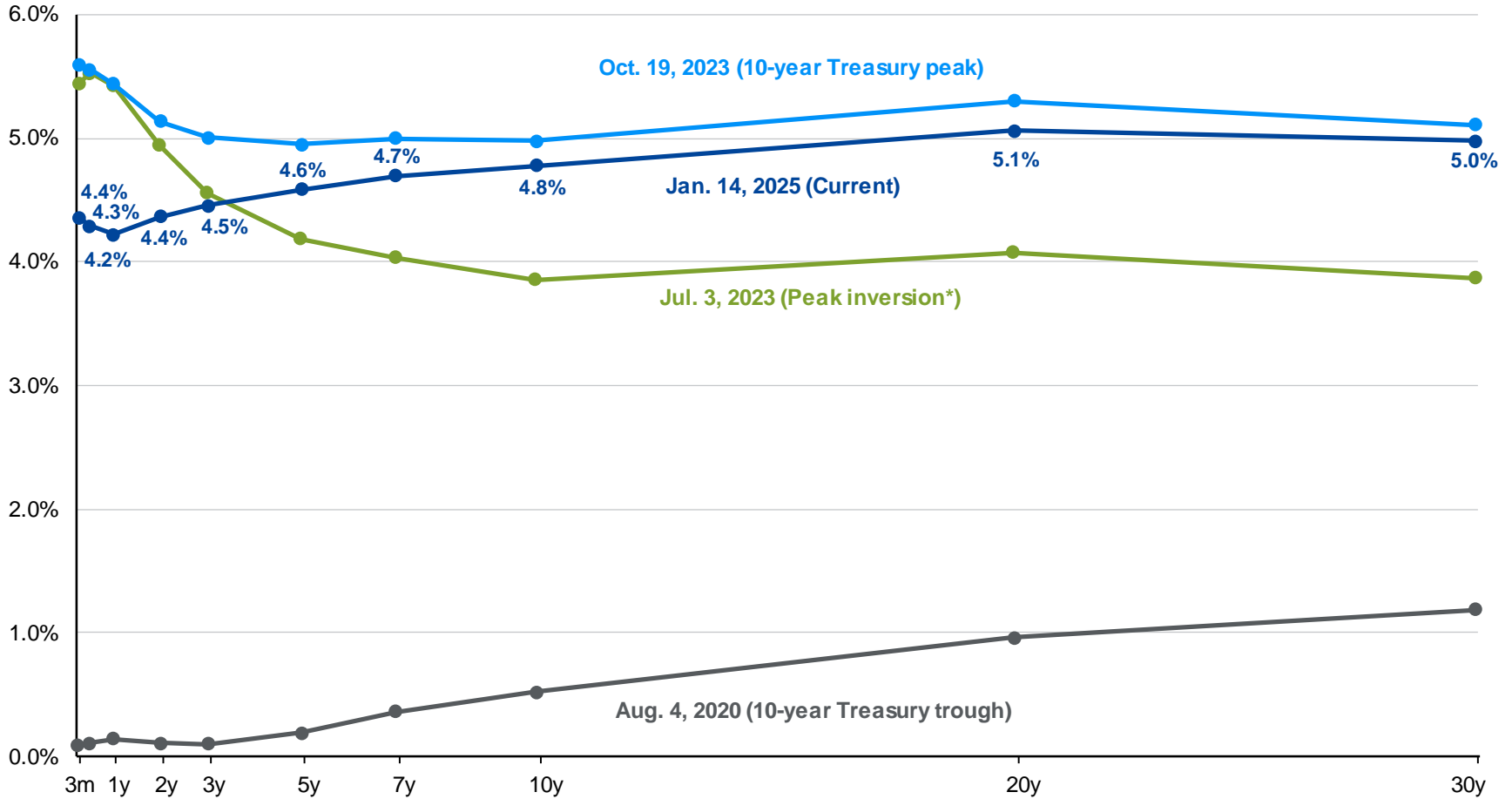
Source: Bloomberg, FactSet, J.P. Morgan Asset Management. Returns are based on total return. Intra-year drops refers to the largest market drops from a peak to a trough during the year. For illustrative purposes only. Returns shown are calendar year returns from 1976 to 2024, over which time period the average annual return was 6.5%. Returns from 1976 to 1989 are calculated on a monthly basis; daily data are used afterward. *Guide to the Markets – U.S.* Data are as of December 31, 2024.



# Yield curve

Fixed Income

## U.S. Treasury yield curve



Source: FactSet, Federal Reserve, J.P. Morgan Asset Management. Analysis references data back to 2020. \*Peak inversion is measured by the spread between the yield on a 10-year Treasury and 2-year Treasury.  
 Guide to the Markets – U.S. Data are as of January 14, 2025.

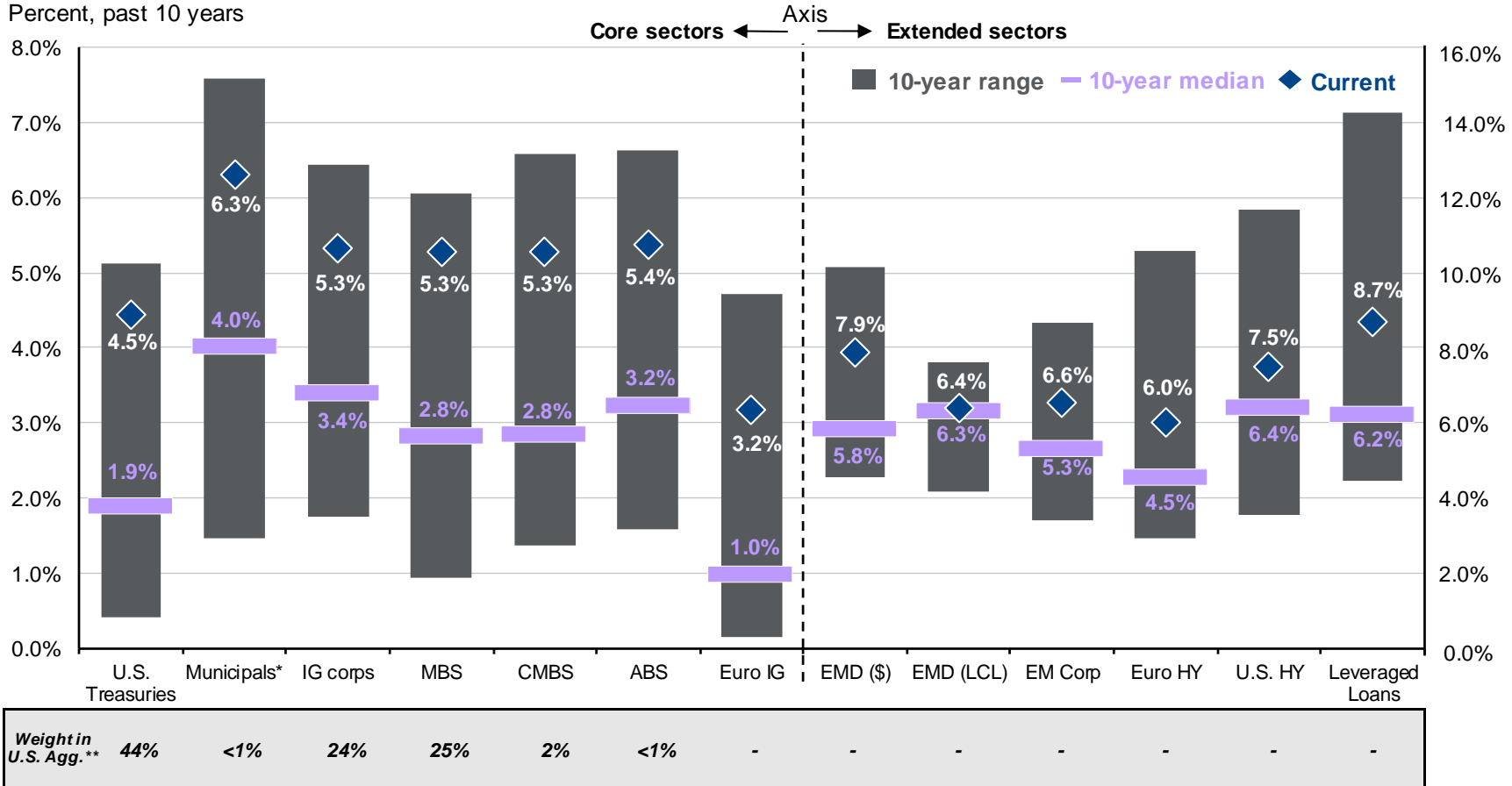


# Fixed income yields

Fixed Income

## Yield-to-worst across fixed income sectors

Percent, past 10 years



Source: Bloomberg, FactSet, J.P. Morgan Credit Research, J.P. Morgan Asset Management

Indices used are Bloomberg except for ABS, emerging market debt and leveraged loans: ABS: J.P. Morgan ABS Index; CMBS: Bloomberg Investment Grade CMBS Index; EMD (USD): J.P. Morgan EMIGLOBAL Diversified Index; EMD (LCL): J.P. Morgan GBI-EM Global Diversified Index; EM Corp.: J.P. Morgan CEMBI Broad Diversified; Leveraged Loans: JPM Leveraged Loan Index; Euro IG: Bloomberg Euro Aggregate Corporate Index; Euro HY: Bloomberg Pan-European High Yield Index. Yield-to-worst is the lowest possible yield that can be received on a bond apart from the company defaulting and considers factors like call provisions, prepayments and other features that may affect the bonds' cash flows. \*All sectors shown are yield-to-worst except for Municipals, which is based on the tax-equivalent yield-to-worst assuming a top-income tax bracket rate of 37% plus a Medicare tax rate of 3.8%. \*\*Sectors shown may not exactly match all sectors represented in the Bloomberg U.S. Aggregate Index. Sector level weights are shown, and index constituents may not match.

Guide to the Markets – U.S. Data are as of December 31, 2024.

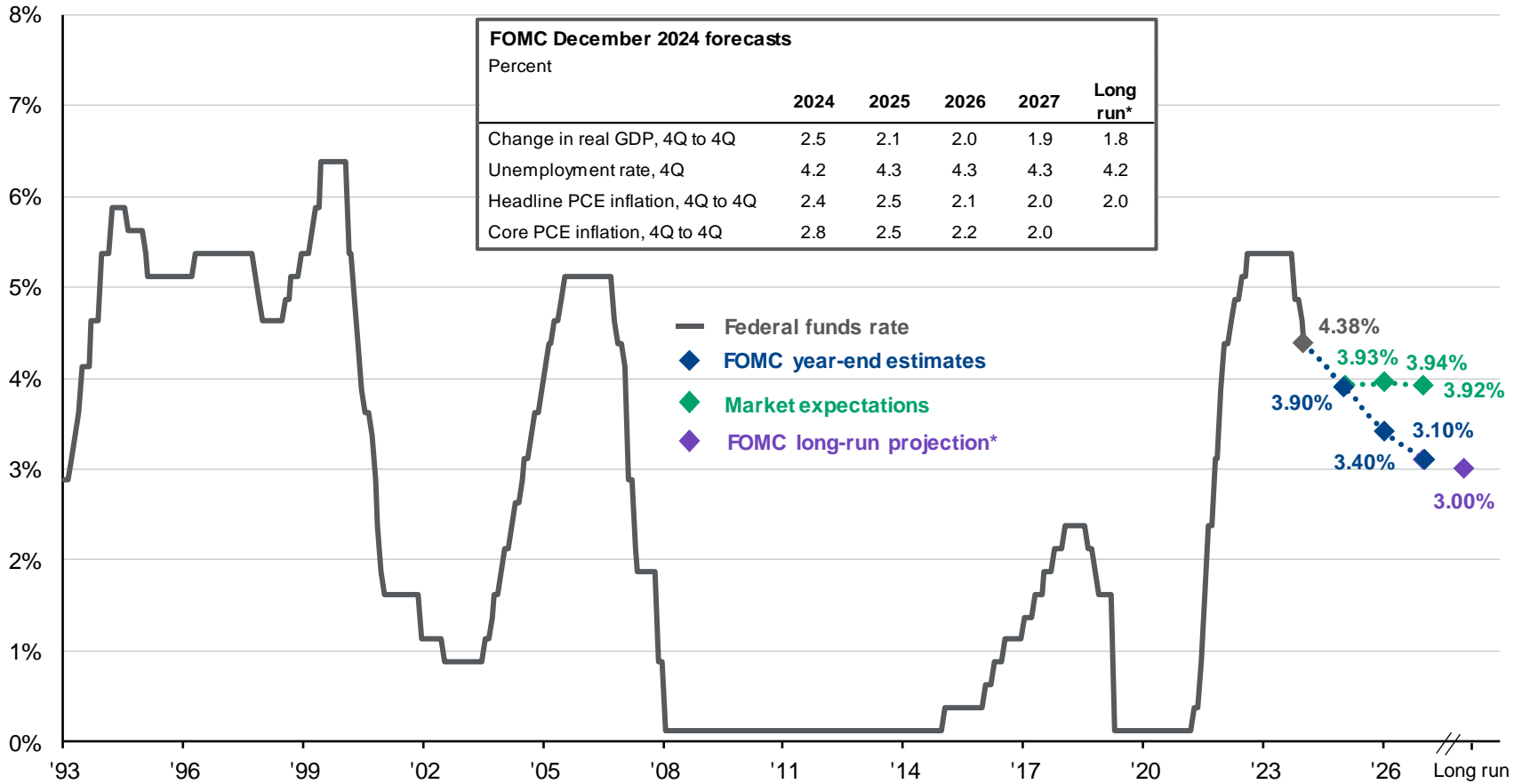


# The Fed and interest rates

Fixed Income

## Federal funds rate expectations

FOMC and market expectations for the federal funds rate



Source: Bloomberg, FactSet, Federal Reserve, J.P. Morgan Asset Management.

Market expectations are based off of USD Overnight Index Swaps. \*Long-run projections are the rates of growth, unemployment and inflation to which a policymaker expects the economy to converge over the next five to six years in absence of further shocks and under appropriate monetary policy. Forecasts are not a reliable indicator of future performance. Forecasts, projections and other forward-looking statements are based upon current beliefs and expectations. They are for illustrative purposes only and serve as an indication of what may occur. Given the inherent uncertainties and risks associated with forecasts, projections or other forward-looking statements, actual events, results or performance may differ materially from those reflected or contemplated. *Guide to the Markets – U.S.* Data are as of December 31, 2024.

# J.P.Morgan

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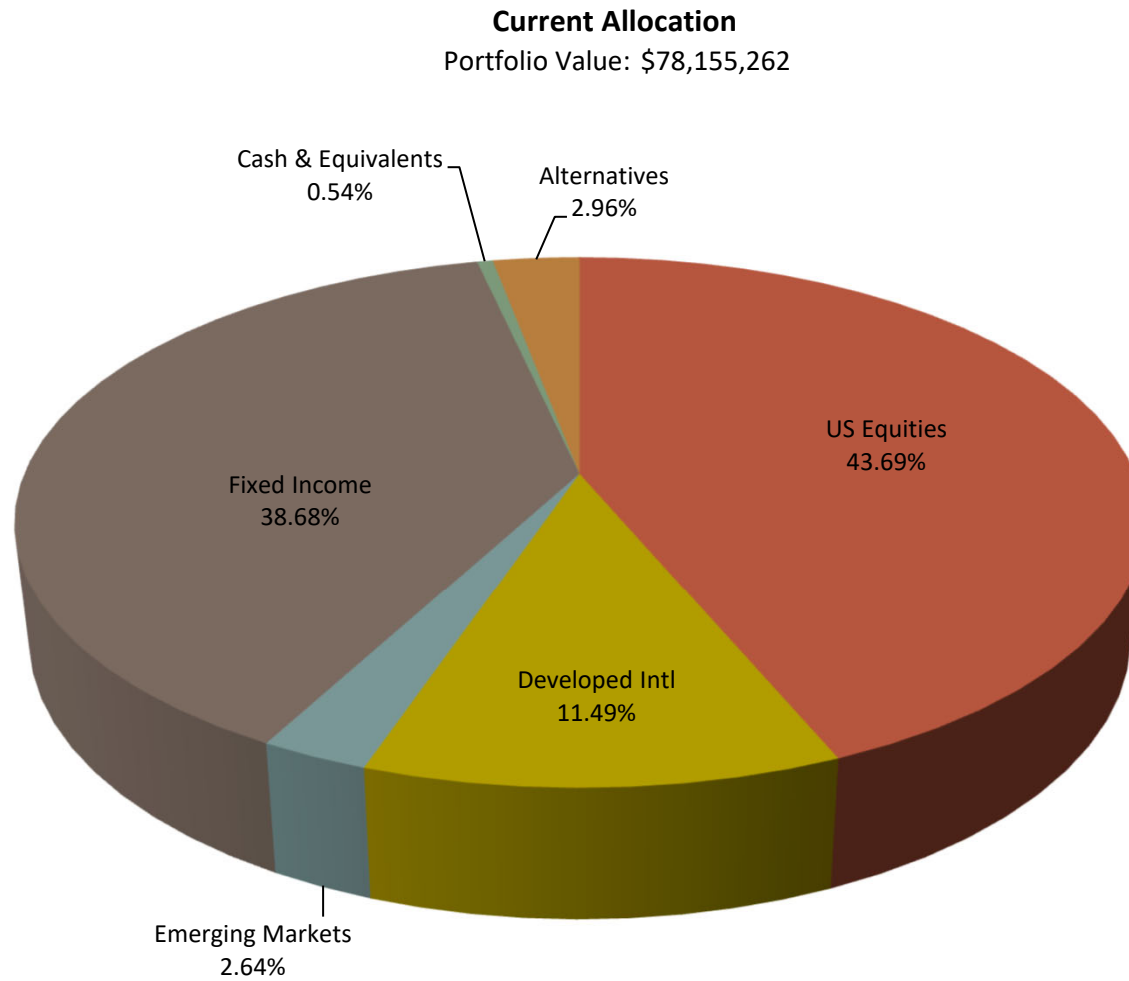
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## Asset Allocation & Investment Matrices





# SCCT Regional Water Authority - Salary & Union Plans



Total Equity	
	<b>57.82%</b>
<b>% of Total Equity</b>	
US Equity	= 75.57%
Intl Equity	= 24.43%
<b>% of Intl Equity</b>	
Developed Intl	= 81.32%
Emerging Markets	= 18.68%
<b>Russell 3000 Style Analysis*</b>	
Value	= 27.27%
Core	= 49.32%
Growth	= 23.41%
<b>US Equity Style Analysis*</b>	
Value	= 35.82%
Core	= 47.30%
Growth	= 16.88%

Assets as of 12/31/2024

Asset Allocation does not assure a profit or protect against loss in declining financial markets

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advisors with respect to any tax questions.

\*Equity Style Analysis provided by Morningstar "Asset Scan"

Data Source: Morgan Stanley & Morningstar

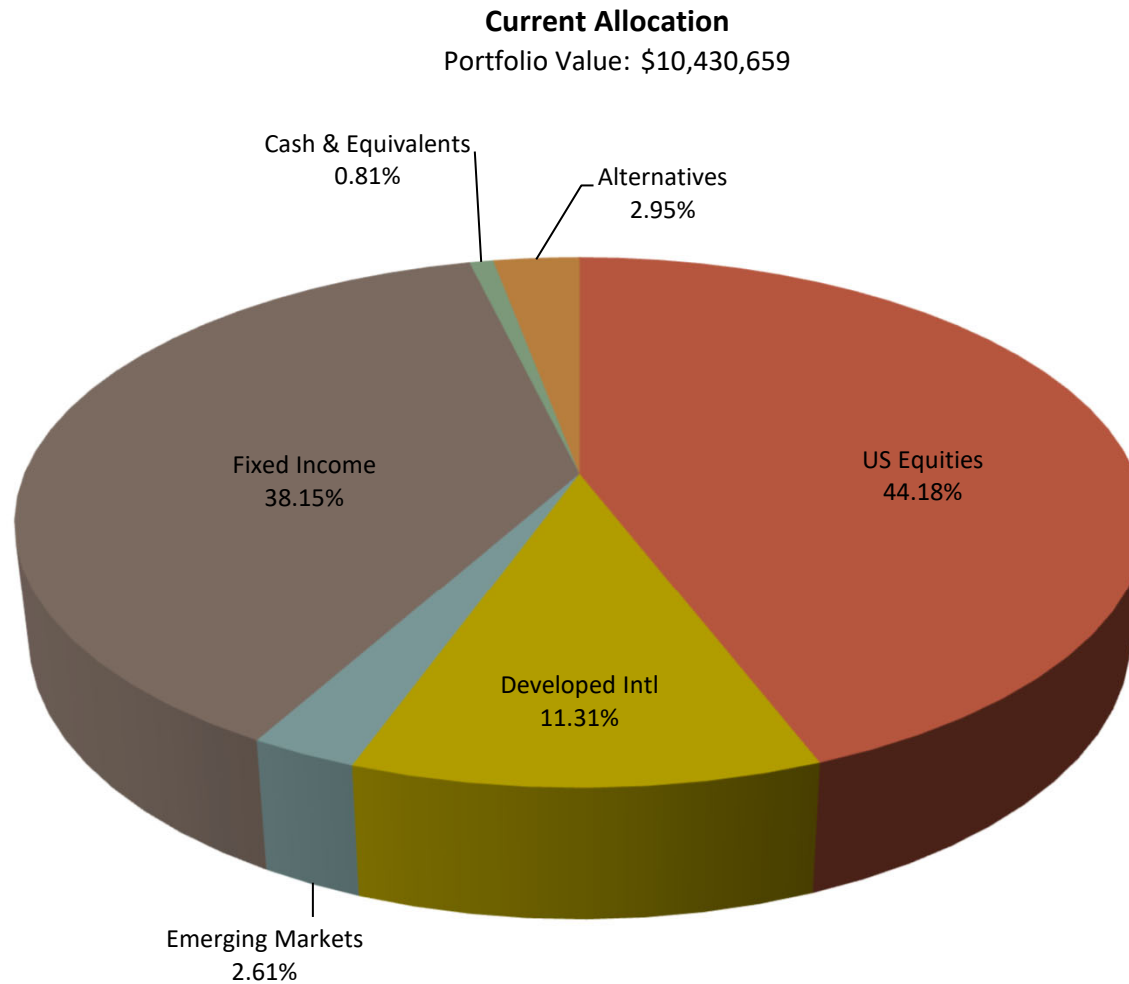
SCCT Regional Water Authority - Salary & Union Plans  
 Asset Allocation Matrix Summary  
 As of 12/31/2024

Benchmark vs Actual

	Benchmark	Actual	+/-
Russell 3000	42.00%	43.92%	1.92%
MSCI ACWI ex US	15.00%	13.76%	-1.24%
Bloomberg US Aggregate	31.00%	38.82%	7.82%
FTSE WGBI	3.00%	0.00%	-3.00%
HFRI FOF	5.00%	1.54%	-3.46%
Global Real Estate	2.00%	1.42%	-0.58%
Cash & Equivalents/T-Bills	2.00%	0.54%	-1.46%
<b>Total</b>	<b>100.00%</b>	<b>100.00%</b>	<b>0.00%</b>

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# SCCT Regional Water Authority - VEBA Plan



<b>Total Equity</b>	
	<b>58.09%</b>
<b>% of Total Equity</b>	
US Equity	= 76.05%
Intl Equity	= 23.95%
<b>% of Intl Equity</b>	
Developed Intl	= 81.27%
Emerging Markets	= 18.73%
<b>Russell 3000 Style Analysis*</b>	
Value	= 27.27%
Core	= 49.32%
Growth	= 23.41%
<b>US Equity Style Analysis*</b>	
Value	= 35.65%
Core	= 47.34%
Growth	= 17.01%

Assets as of 12/31/2024

Asset Allocation does not assure a profit or protect against loss in declining financial markets

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\*Equity Style Analysis provided by Morningstar "Asset Scan"

Data Source: Morgan Stanley & Morningstar

SCCT Regional Water Authority - VEBA Plan  
 Asset Allocation Matrix Summary  
 As of 12/31/2024

Benchmark vs Actual

	Benchmark	Actual	+/-
Russell 3000	42.00%	44.40%	2.40%
MSCI ACWI ex US	15.00%	13.55%	-1.45%
Bloomberg US Aggregate	31.00%	38.29%	7.29%
FTSE WGBI	3.00%	0.00%	-3.00%
HFRI FOF	5.00%	1.57%	-3.43%
Global Real Estate	2.00%	1.38%	-0.62%
Cash & Equivalents/T-Bills	2.00%	0.81%	-1.19%
<b>Total</b>	<b>100.00%</b>	<b>100.00%</b>	<b>0.00%</b>

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## Investment Results



SCCT Regional Water Authority  
Fourth Quarter Investment Results  
September 30, 2024 - December 31, 2024

Account Number	Account Type	Beg. Asset Value 30-Sep-2024	Net Deposits/Withdrawals	Transfers	Net Invested	Ending Asset Value 31-Dec-2024	Net \$ Gain/Loss	Gain/Loss (net) %	Gain/Loss (gross) %
447-xxx450	Salaried	\$49,906,828	\$0	\$41,123	\$49,947,951	\$49,083,979	(\$863,973)	-1.73%	-1.65%
447-xxx451	Union	\$29,627,347	\$0	(\$49,125)	\$29,578,222	\$29,071,284	(\$506,939)	-1.71%	-1.63%
447-xxx456	VEBA	\$10,633,637	\$0	\$0	\$10,633,637	\$10,430,659	(\$202,978)	-1.91%	-1.83%
axx15	Matrix Trust (Master Trust)**	\$0	(\$15,241)	\$38,066	\$22,825	\$22,825	\$0	-	-
axx15a	Matrix Trust (Salaried)**	\$397,023	(\$286,788)	\$0	\$110,235	\$110,235	\$0	-	-
axx15b	Matrix Trust (Union)**	\$109,081	(\$131,291)	\$38,066	\$15,856	\$15,856	\$0	-	-
axx16	Matrix Trust(VEBA)**	\$97,569	\$445,613	(\$68,130)	\$475,052	\$475,052	\$0	-	-
Consolidated		\$90,771,486	\$12,293	\$0	\$90,783,780	\$89,209,890	(\$1,573,889)	-1.75%	-1.66%

September 30, 2024 - December 31, 2024

Actuarial Assumed Rate of Return

<b>Actuarial Assumed Rate of Return (Current): 6.75% x (3/12)</b>	1.69%
<b>Guidelines/Benchmarks - Market Cap Weighted</b>	
Least Equity Risk: 34% R3000, 11% MSCI ACWxUS, 39% Bloomberg Agg, 4% FTSE WGBI, 9% HFRI FOF, 1% Global RE, 2% T-Bills	-1.19%
Strategic: 42% R3000, 15% MSCI ACWxUS, 31% Bloomberg Agg, 3% FTSE WGBI, 5% HFRI FOF, 2% Global RE, 2% T-Bills	-1.18%
Most Equity Risk: 44% R3000, 16% MSCI ACWxUS, 16% Bloomberg Agg, 2% FTSE WGBI, 15% HFRI FOF, 5% Global RE, 2% T-Bills	-0.72%
<b>Guidelines/Benchmarks - Equal Weighted</b>	
Least Equity Risk: 34% S&P 500 Equal Weighted, 11% MSCI ACWxUS, 39% Bloomberg Agg, 4% FTSE WGBI, 9% HFRI FOF, 1% Global RE, 2% T-Bills	-2.72%
Strategic: 42% S&P 500 Equal Weighted, 15% MSCI ACWxUS, 31% Bloomberg Agg, 3% FTSE WGBI, 5% HFRI FOF, 2% Global RE, 2% T-Bills	-3.07%
Most Equity Risk: 44% S&P 500 Equal Weighted, 16% MSCI ACWxUS, 16% Bloomberg Agg, 2% FTSE WGBI, 15% HFRI FOF, 5% Global RE, 2% T-Bills	-2.70%
	Russell 3000 2.63%
	S&P 500 2.41%
	S&P 500 Equal Weight -1.87%
	Russell 1000 Value -1.98%
	Russell 1000 2.75%
	Russell 1000 Growth 7.07%
	Russell 2000 0.33%
	MSCI All Country World ex. US -7.60%
	MSCI EAFE -8.11%
	MSCI EM -8.01%
	Bloomberg Aggregate -3.06%
	Bloomberg Govt/Credit Intermediate -1.60%
	HFRI Fund of Funds Index 2.61%
	DJ Global World Real Estate -9.48%
	FTSE WGBI Index -5.44%
	30 Day T-Bill 1.20%

Performance for accounts held outside of Morgan Stanley are calculated using simple math

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Data Source: Morgan Stanley, Broadridge, Morningstar

SCCT Regional Water Authority  
Fiscal Year Investment Results  
May 31, 2024 - December 31, 2024

Account Number	Account Type	Beg. Asset Value 31-May-2024	Net Deposits/Withdrawals	Transfers*	Net Invested	Ending Asset Value 31-Dec-2024	Net \$ Gain/Loss	Gain/Loss (net) %	Gain/Loss (gross) %
447-xxx450	Salaried	\$46,574,710	\$0	\$76,811	\$46,651,520	\$49,083,979	\$2,432,458	5.22%	5.43%
447-xxx451	Union	\$27,639,383	\$0	(\$15,243)	\$27,624,140	\$29,071,284	\$1,447,144	5.23%	5.44%
447-xxx456	VEBA	\$9,914,332	\$0	\$0	\$9,914,332	\$10,430,659	\$516,327	5.21%	5.42%
axx15	Matrix Trust (Master Trust)**	\$0.00	(\$15,240.58)	\$38,065.76	\$22,825	\$22,825.18	\$0	-	-
axx15a	Matrix Trust (Salaried)**	\$828,045	(\$717,809)	\$0	\$110,235	\$110,235	\$0	-	-
axx15b	Matrix Trust (Union)**	\$415,577	(\$437,787)	\$38,066	\$15,856	\$15,856	\$0	-	-
axx16	Matrix Trust(VEBA)**	\$178,145	\$411,429	(\$114,523)	\$475,052	\$475,052	\$0	-	-
Consolidated		\$85,550,192	(\$759,408)	\$23,177	\$84,813,961	\$89,209,890	\$4,395,929	5.22%	5.43%

May 31, 2024 - December 31, 2024

Actuarial Assumed Rate of Return

<b>Actuarial Assumed Rate of Return (Current): 6.75% x (7/12)</b>	3.94%
Guidelines/Benchmarks - Market Cap Weighted	
Least Equity Risk: 34% R3000, 11% MSCI ACWxUS, 39% Bloomberg Agg, 4% FTSE WGBI, 9% HFRI FOF, 1% Global RE, 2% T-Bills	5.95%
Strategic: 42% R3000, 15% MSCI ACWxUS, 31% Bloomberg Agg, 3% FTSE WGBI, 5% HFRI FOF, 2% Global RE, 2% T-Bills	6.54%
Most Equity Risk: 44% R3000, 16% MSCI ACWxUS, 16% Bloomberg Agg, 2% FTSE WGBI, 15% HFRI FOF, 5% Global RE, 2% T-Bills	7.01%
Guidelines/Benchmarks - Equal Weighted	
Least Equity Risk: 34% S&P 500 Equal Weighted, 11% MSCI ACWxUS, 39% Bloomberg Agg, 4% FTSE WGBI, 9% HFRI FOF, 1% Global RE, 2% T-Bills	4.13%
Strategic: 42% S&P 500 Equal Weighted, 15% MSCI ACWxUS, 31% Bloomberg Agg, 3% FTSE WGBI, 5% HFRI FOF, 2% Global RE, 2% T-Bills	4.30%
Most Equity Risk: 44% S&P 500 Equal Weighted, 16% MSCI ACWxUS, 16% Bloomberg Agg, 2% FTSE WGBI, 15% HFRI FOF, 5% Global RE, 2% T-Bills	4.66%
	Russell 3000 12.40%
	S&P 500 12.33%
	S&P 500 Equal Weight 7.06%
	Russell 1000 Value 6.25%
	Russell 1000 12.60%
	Russell 1000 Growth 17.94%
	Russell 2000 8.62%
	MSCI All Country World ex. US -0.24%
	MSCI EAFE -3.03%
	MSCI EM 3.96%
	Bloomberg Aggregate 2.94%
	Bloomberg Govt/Credit Intermediate 3.32%
	HFRI Fund of Funds Index 4.96%
	DJ Global World Real Estate 5.98%
	FTSE WGBI Index 1.10%
	30 Day T-Bill 3.03%

**\*Fiscal Year Transfers Balance of \$23,177: Matrix Trust transferred money to Morgan Stanley on 5/31/2024 (\$13,636.40 & \$9,540.10)**

**\*Morgan Stanley accounts did not receive those proceeds until 6/3/2024**

Performance for accounts held outside of Morgan Stanley are calculated using simple math

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SCCT Regional Water Authority  
2024/Year to Date Investment Results  
December 31, 2023 - December 31, 2024

Account Number	Account Type	Beg. Asset Value 31-Dec-2023	Net Deposits/Withdrawals	Transfers	Net Invested	Ending Asset Value 31-Dec-2024	Net \$ Gain/Loss	Gain/Loss (net) %	Gain/Loss (gross) %
447-xxx450	Salaried	\$45,170,155	\$0	(\$612,184)	\$44,557,971	\$49,083,979	\$4,526,008	10.13%	10.50%
447-xxx451	Union	\$26,796,305	\$0	(\$411,901)	\$26,384,403	\$29,071,284	\$2,686,880	10.12%	10.50%
447-xxx456	VEBA	\$9,470,662	\$0	\$0	\$9,470,662	\$10,430,659	\$959,997	10.11%	10.49%
axx15	Matrix Trust (Master Trust)**	\$0	(\$15,241)	\$38,066	\$22,825	\$22,825	\$0	-	-
axx15a	Matrix Trust (Salaried)**	\$191,440	(\$831,205)	\$750,000	\$110,235	\$110,235	\$0	-	-
axx15b	Matrix Trust (Union)**	\$49,796	(\$502,006)	\$468,066	\$15,856	\$15,856	\$0	-	-
axx16	Matrix Trust(VEBA)**	\$468,937	\$238,161	(\$232,046)	\$475,052	\$475,052	\$0	-	-
Consolidated		\$82,147,295	(\$1,110,290)	\$0	\$81,037,005	\$89,209,890	\$8,172,885	10.12%	10.50%

December 31, 2023 - December 31, 2024

Actuarial Assumed Rate of Return

<b>Actuarial Assumed Rate of Return (Current): 6.75% x (12/12)</b>	6.75%
<b>Guidelines/Benchmarks - Market Cap Weighted</b>	
Least Equity Risk: 34% R3000, 11% MSCI ACWxUS, 39% Bloomberg Agg, 4% FTSE WGBI, 9% HFRI FOF, 1% Global RE, 2% T-Bills	10.08%
Strategic: 42% R3000, 15% MSCI ACWxUS, 31% Bloomberg Agg, 3% FTSE WGBI, 5% HFRI FOF, 2% Global RE, 2% T-Bills	11.76%
Most Equity Risk: 44% R3000, 16% MSCI ACWxUS, 16% Bloomberg Agg, 2% FTSE WGBI, 15% HFRI FOF, 5% Global RE, 2% T-Bills	13.17%
<b>Guidelines/Benchmarks - Equal Weighted</b>	
Least Equity Risk: 34% S&P 500 Equal Weighted, 11% MSCI ACWxUS, 39% Bloomberg Agg, 4% FTSE WGBI, 9% HFRI FOF, 1% Global RE, 2% T-Bills	6.41%
Strategic: 42% S&P 500 Equal Weighted, 15% MSCI ACWxUS, 31% Bloomberg Agg, 3% FTSE WGBI, 5% HFRI FOF, 2% Global RE, 2% T-Bills	7.23%
Most Equity Risk: 44% S&P 500 Equal Weighted, 16% MSCI ACWxUS, 16% Bloomberg Agg, 2% FTSE WGBI, 15% HFRI FOF, 5% Global RE, 2% T-Bills	8.41%
	Russell 3000 23.81%
	S&P 500 25.02%
	S&P 500 Equal Weight 13.01%
	Russell 1000 Value 14.37%
	Russell 1000 24.51%
	Russell 1000 Growth 33.36%
	Russell 2000 11.54%
	MSCI All Country World ex. US 5.53%
	MSCI EAFE 3.82%
	MSCI EM 7.50%
	Bloomberg Aggregate 1.25%
	Bloomberg Govt/Credit Intermediate 3.00%
	HFRI Fund of Funds Index 9.72%
	DJ Global World Real Estate 1.95%
	FTSE WGBI Index -2.87%
	30 Day T-Bill 5.38%

Performance for accounts held outside of Morgan Stanley are calculated using simple math

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Data Source: Morgan Stanley, Broadridge, Morningstar



SCCT Regional Water Authority  
Trailing Three Year Investment Results  
December 31, 2021 - December 31, 2024

Account Number	Account Type	Beg. Asset Value 31-Dec-2021	Net Deposits/Withdrawals	Transfers	Net Invested	Ending Asset Value 31-Dec-2024	Net \$ Gain/Loss	Gain/Loss (net) %	Gain/Loss (gross) %
447-xxx450	Salaried	\$46,007,698	\$0	(\$469,710)	\$45,537,988	\$49,083,979	\$3,545,991	2.49%	2.85%
447-xxx451	Union	\$28,054,594	\$0	(\$1,041,699)	\$27,012,895	\$29,071,284	\$2,058,389	2.58%	2.94%
447-xxx456	VEBA	\$9,761,507	\$0	\$0	\$9,761,507	\$10,430,659	\$669,152	2.24%	2.60%
447-xxx626	Skybridge (Salaried)	\$34,474	\$0	(\$34,478)	(\$4)	\$0	\$4	0.00%	0.00%
447-xxx627	Skybridge (Union)	\$23,135	\$0	(\$23,137)	(\$2)	\$0	\$2	0.00%	0.00%
axx15	Matrix Trust (Master Trust)**	\$0	(\$15,241)	\$38,066	\$22,825	\$22,825	\$0	-	-
axx15a	Matrix Trust (Salaried)**	\$245	(\$868,289)	\$978,279	\$110,235	\$110,235	\$0	-	-
axx15b	Matrix Trust (Union)**	\$55	(\$1,341,219)	\$1,357,019	\$15,856	\$15,856	\$0	-	-
axx16	Matrix Trust(VEBA)**	\$125,243	\$1,154,148	(\$804,340)	\$475,052	\$475,052	\$0	-	-
Consolidated		\$84,006,953	(\$1,070,600)	\$0	\$82,936,352	\$89,209,890	\$6,273,538	2.49%	2.86%

December 31, 2021 - December 31, 2024

Actuarial Assumed Rate of Return

<b>Actuarial Assumed Rate of Return (Current): 6.75%</b>	6.75%
<b>Actuarial Assumed Rate of Return (Prior to 5/31/2021): 7.00%</b>	7.00%

Guidelines/Benchmarks - Market Cap Weighted

Least Equity Risk: 34% R3000, 11% MSCI ACWxUS, 39% Bloomberg Agg, 4% FTSE WGBI, 9% HFRI FOF, 1% Global RE, 2% T-Bills	1.96%
Strategic: 42% R3000, 15% MSCI ACWxUS, 31% Bloomberg Agg, 3% FTSE WGBI, 5% HFRI FOF, 2% Global RE, 2% T-Bills	2.70%
Most Equity Risk: 44% R3000, 16% MSCI ACWxUS, 16% Bloomberg Agg, 2% FTSE WGBI, 15% HFRI FOF, 5% Global RE, 2% T-Bills	3.45%

Guidelines/Benchmarks - Equal Weighted

Least Equity Risk: 34% S&P 500 Equal Weighted, 11% MSCI ACWxUS, 39% Bloomberg Agg, 4% FTSE WGBI, 9% HFRI FOF, 1% Global RE, 2% T-Bills	0.75%
Strategic: 42% S&P 500 Equal Weighted, 15% MSCI ACWxUS, 31% Bloomberg Agg, 3% FTSE WGBI, 5% HFRI FOF, 2% Global RE, 2% T-Bills	1.20%
Most Equity Risk: 44% S&P 500 Equal Weighted, 16% MSCI ACWxUS, 16% Bloomberg Agg, 2% FTSE WGBI, 15% HFRI FOF, 5% Global RE, 2% T-Bills	1.88%

Russell 3000	8.01%
S&P 500	8.94%
S&P 500 Equal Weight	4.45%
Russell 1000 Value	5.63%
Russell 1000	8.41%
Russell 1000 Growth	10.47%
Russell 2000	1.24%
MSCI All Country World ex. US	0.82%
MSCI EAFE	1.65%
MSCI EM	-1.92%
Bloomberg Aggregate	-2.41%
Bloomberg Govt/Credit Intermediate	-0.18%
HFRI Fund of Funds Index	3.29%
DJ Global World Real Estate	-5.52%
FTSE WGBI Index	-5.83%
30 Day T-Bill	3.98%

Performance for accounts held outside of Morgan Stanley are calculated using simple math

\*447-xxx626 closed May 2022

\*447-xxx627 closed July 2022

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Data Source: Morgan Stanley, Broadridge, Morningstar

SCCT Regional Water Authority  
Trailing Five Year Investment Results  
December 31, 2019 - December 31, 2024

Account Number	Account Type	Beg. Asset Value 31-Dec-2019	Net Deposits/Withdrawals	Transfers	Net Invested	Ending Asset Value 31-Dec-2024	Net \$ Gain/Loss	Gain/Loss (net) %	Gain/Loss (gross) %
447-xxx450	Salaried	\$37,352,140	\$0	(\$474,787)	\$36,877,353	\$49,083,979	\$12,206,626	5.87%	6.25%
447-xxx451	Union	\$23,019,531	\$0	(\$1,362,256)	\$21,657,275	\$29,071,284	\$7,414,009	5.93%	6.31%
447-xxx456	VEBA	\$7,563,265	\$0	\$400,000	\$7,963,265	\$10,430,659	\$2,467,395	5.71%	6.09%
447-xxx626	Skybridge (Salaried)	\$665,899	\$0	(\$704,240)	(\$38,341)	\$0	\$37,908	1.13%	1.13%
447-xxx627	Skybridge (Union)	\$447,122	\$0	(\$472,852)	(\$25,730)	\$0	\$25,297	1.09%	1.09%
axx15	Matrix Trust (Master Trust)**	\$0	(\$15,241)	\$38,066	\$22,825	\$22,825	\$0	-	-
axx15a	Matrix Trust (Salaried)**	\$395,091	(\$2,236,530)	\$1,951,675	\$110,235	\$110,235	\$0	-	-
axx15b	Matrix Trust (Union)**	\$295,973	(\$2,641,412)	\$2,361,296	\$15,856	\$15,856	\$0	-	-
axx16	Matrix Trust(VEBA)**	\$148,104	\$2,063,850	(\$1,736,902)	\$475,052	\$475,052	\$0	-	-
Consolidated		\$69,887,123	(\$2,829,333)	\$0	\$67,057,790	\$89,209,890	\$22,151,234	5.82%	6.20%

December 31, 2019 - December 31, 2024

Actuarial Assumed Rate of Return

<b>Actuarial Assumed Rate of Return (Current): 6.75%</b>	6.75%
<b>Actuarial Assumed Rate of Return (Prior to 5/31/2021): 7.00%</b>	7.00%

Guidelines/Benchmarks - Market Cap Weighted

Least Equity Risk: 34% R3000, 11% MSCI ACWxUS, 39% Bloomberg Agg, 4% FTSE WGBI, 9% HFRI FOF, 1% Global RE, 2% T-Bills	5.43%
Strategic: 42% R3000, 15% MSCI ACWxUS, 31% Bloomberg Agg, 3% FTSE WGBI, 5% HFRI FOF, 2% Global RE, 2% T-Bills	6.54%
Most Equity Risk: 44% R3000, 16% MSCI ACWxUS, 16% Bloomberg Agg, 2% FTSE WGBI, 15% HFRI FOF, 5% Global RE, 2% T-Bills	7.45%

Guidelines/Benchmarks - Equal Weighted

Least Equity Risk: 34% S&P 500 Equal Weighted, 11% MSCI ACWxUS, 39% Bloomberg Agg, 4% FTSE WGBI, 9% HFRI FOF, 1% Global RE, 2% T-Bills	4.38%
Strategic: 42% S&P 500 Equal Weighted, 15% MSCI ACWxUS, 31% Bloomberg Agg, 3% FTSE WGBI, 5% HFRI FOF, 2% Global RE, 2% T-Bills	5.24%
Most Equity Risk: 44% S&P 500 Equal Weighted, 16% MSCI ACWxUS, 16% Bloomberg Agg, 2% FTSE WGBI, 15% HFRI FOF, 5% Global RE, 2% T-Bills	6.09%

Russell 3000	13.86%
S&P 500	14.53%
S&P 500 Equal Weight	10.76%
Russell 1000 Value	8.68%
Russell 1000	14.28%
Russell 1000 Growth	18.96%
Russell 2000	7.40%
MSCI All Country World ex. US	4.10%
MSCI EAFE	4.73%
MSCI EM	1.70%
Bloomberg Aggregate	-0.33%
Bloomberg Govt/Credit Intermediate	0.86%
HFRI Fund of Funds Index	5.35%
DJ Global World Real Estate	-0.81%
FTSE WGBI Index	-3.08%
30 Day T-Bill	2.47%

Performance for accounts held outside of Morgan Stanley are calculated using simple math

\*447-xxx626 closed May 2022

\*447-xxx627 closed July 2022

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Data Source: Morgan Stanley, Broadridge, Morningstar

SCCT Regional Water Authority  
Trailing Eight Year Investment Results  
December 31, 2016 - December 31, 2024

Account Number	Account Type	Beg. Asset Value 31-Dec-2016	Net Deposits/Withdrawals	Transfers	Net Invested	Ending Asset Value 31-Dec-2024	Net \$ Gain/Loss	Gain/Loss (net) %	Gain/Loss (gross) %
447-xxx450	Salaried	\$24,506,600	\$0	\$4,278,942	\$28,785,542	\$49,083,979	\$20,298,437	7.09%	7.49%
447-xxx451	Union	\$17,591,956	\$0	(\$1,286,189)	\$16,305,767	\$29,071,284	\$12,765,516	7.11%	7.51%
447-xxx456	VEBA	\$4,406,663	\$0	\$1,967,279	\$6,373,942	\$10,430,659	\$4,056,717	6.95%	7.35%
447-xxx626	Skybridge (Salaried)	\$472,037	\$0	(\$604,240)	(\$132,203)	\$0	\$132,203	2.88%	2.88%
447-xxx627	Skybridge (Union)	\$340,916	\$0	(\$432,852)	(\$91,936)	\$0	\$91,936	2.89%	2.89%
axx15	Matrix Trust (Master Trust)**	\$0	(\$15,241)	\$38,066	\$22,825	\$22,825	\$0	-	-
axx15a	Matrix Trust (Salaried)**	\$872,362	\$1,710,032	(\$2,472,159)	\$110,235	\$110,235	\$0	-	-
axx15b	Matrix Trust (Union)**	\$323,552	(\$2,920,649)	\$2,612,953	\$15,856	\$15,856	\$0	-	-
axx16	Matrix Trust(VEBA)**	\$239,934	\$4,336,918	(\$4,101,800)	\$475,052	\$475,052	\$0	-	-
Consolidated		\$48,754,021	\$3,111,060	\$0	\$51,865,081	\$89,209,890	\$37,344,809	7.03%	7.42%

December 31, 2016 - December 31, 2024

Actuarial Assumed Rate of Return

<b>Actuarial Assumed Rate of Return (Current): 6.75%</b>	6.75%
<b>Actuarial Assumed Rate of Return (Prior to 5/31/2021): 7.00%</b>	7.00%

Guidelines/Benchmarks - Market Cap Weighted

Least Equity Risk: 34% R3000, 11% MSCI ACWxUS, 39% Bloomberg Agg, 4% FTSE WGBI, 9% HFRI FOF, 1% Global RE, 2% T-Bills	6.45%
Strategic: 42% R3000, 15% MSCI ACWxUS, 31% Bloomberg Agg, 3% FTSE WGBI, 5% HFRI FOF, 2% Global RE, 2% T-Bills	7.59%
Most Equity Risk: 44% R3000, 16% MSCI ACWxUS, 16% Bloomberg Agg, 2% FTSE WGBI, 15% HFRI FOF, 5% Global RE, 2% T-Bills	8.30%

Guidelines/Benchmarks - Equal Weighted

Least Equity Risk: 34% S&P 500 Equal Weighted, 11% MSCI ACWxUS, 39% Bloomberg Agg, 4% FTSE WGBI, 9% HFRI FOF, 1% Global RE, 2% T-Bills	5.51%
Strategic: 42% S&P 500 Equal Weighted, 15% MSCI ACWxUS, 31% Bloomberg Agg, 3% FTSE WGBI, 5% HFRI FOF, 2% Global RE, 2% T-Bills	6.43%
Most Equity Risk: 44% S&P 500 Equal Weighted, 16% MSCI ACWxUS, 16% Bloomberg Agg, 2% FTSE WGBI, 15% HFRI FOF, 5% Global RE, 2% T-Bills	7.08%

Russell 3000	14.13%
S&P 500	14.80%
S&P 500 Equal Weight	11.36%
Russell 1000 Value	9.06%
Russell 1000	14.57%
Russell 1000 Growth	19.53%
Russell 2000	7.85%
MSCI All Country World ex. US	6.23%
MSCI EAFE	6.52%
MSCI EM	5.29%
Bloomberg Aggregate	1.29%
Bloomberg Govt/Credit Intermediate	1.74%
HFRI Fund of Funds Index	4.46%
DJ Global World Real Estate	3.46%
FTSE WGBI Index	-0.44%
30 Day T-Bill	2.15%

Performance for accounts held outside of Morgan Stanley are calculated using simple math

\*447-xxx626 closed May 2022

\*447-xxx627 closed July 2022

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Data Source: Morgan Stanley, Broadridge, Morningstar

SCCT Regional Water Authority  
 Since Inception (Fully Invested) Investment Results  
 December 31, 2015 - December 31, 2024

Account Number	Account Type	Beg. Asset Value 31-Dec-2015	Net Deposits/Withdrawals	Transfers	Net Invested	Ending Asset Value 31-Dec-2024	Net \$ Gain/Loss	Gain/Loss (net) %	Gain/Loss (gross) %
447-xxx450	Salaried	\$22,078,953	\$0	\$5,265,370	\$27,344,323	\$49,083,979	\$21,739,655	7.00%	7.40%
447-xxx451	Union	\$16,143,219	\$0	(\$878,331)	\$15,264,888	\$29,071,284	\$13,806,395	7.02%	7.42%
447-xxx456	VEBA	\$2,919,401	\$0	\$3,195,838	\$6,115,239	\$10,430,659	\$4,315,420	6.81%	7.22%
447-xxx626	Skybridge (Salaried)	\$0	\$0	(\$153,806)	(\$153,806)	\$0	\$153,806	3.21%	3.21%
447-xxx627	Skybridge (Union)	\$0	\$0	(\$107,539)	(\$107,539)	\$0	\$107,539	3.22%	3.22%
axx15	Matrix Trust (Master Trust)**	\$0	(\$15,241)	\$38,066	\$22,825	\$22,825	\$0	-	-
axx15a	Matrix Trust (Salaried)**	\$202,978	\$3,683,647	(\$3,776,390)	\$110,235	\$110,235	\$0	-	-
axx15b	Matrix Trust (Union)**	\$147,576	(\$2,105,377)	\$1,973,657	\$15,856	\$15,856	\$0	-	-
axx16	Matrix Trust(VEBA)**	\$269,858	\$5,762,059	(\$5,556,865)	\$475,052	\$475,052	\$0	-	-
Consolidated		\$41,761,987	\$7,325,088	\$0	\$49,087,075	\$89,209,890	\$40,122,815	6.94%	7.34%

December 31, 2015 - December 31, 2024

Actuarial Assumed Rate of Return

**Actuarial Assumed Rate of Return (Current): 6.75%**

6.75%

**Actuarial Assumed Rate of Return (Prior to 5/31/2021): 7.00%**

7.00%

Guidelines/Benchmarks - Market Cap Weighted

Least Equity Risk: 34% R3000, 11% MSCI ACWxUS, 39% Bloomberg Agg, 4% FTSE WGBI, 9% HFRI FOF, 1% Global RE, 2% T-Bills

6.40%

Strategic: 42% R3000, 15% MSCI ACWxUS, 31% Bloomberg Agg, 3% FTSE WGBI, 5% HFRI FOF, 2% Global RE, 2% T-Bills

7.52%

Most Equity Risk: 44% R3000, 16% MSCI ACWxUS, 16% Bloomberg Agg, 2% FTSE WGBI, 15% HFRI FOF, 5% Global RE, 2% T-Bills

8.16%

Guidelines/Benchmarks - Equal Weighted

Least Equity Risk: 34% S&P 500 Equal Weighted, 11% MSCI ACWxUS, 39% Bloomberg Agg, 4% FTSE WGBI, 9% HFRI FOF, 1% Global RE, 2% T-Bills

5.64%

Strategic: 42% S&P 500 Equal Weighted, 15% MSCI ACWxUS, 31% Bloomberg Agg, 3% FTSE WGBI, 5% HFRI FOF, 2% Global RE, 2% T-Bills

6.59%

Most Equity Risk: 44% S&P 500 Equal Weighted, 16% MSCI ACWxUS, 16% Bloomberg Agg, 2% FTSE WGBI, 15% HFRI FOF, 5% Global RE, 2% T-Bills

7.18%

Russell 3000	13.97%
S&P 500	14.49%
S&P 500 Equal Weight	11.74%
Russell 1000 Value	9.95%
Russell 1000	14.28%
Russell 1000 Growth	18.08%
Russell 2000	9.27%
MSCI All Country World ex. US	6.03%
MSCI EAFE	5.89%
MSCI EM	5.93%
Bloomberg Aggregate	1.44%
Bloomberg Govt/Credit Intermediate	1.78%
HFRI Fund of Funds Index	4.01%
DJ Global World Real Estate	3.61%
FTSE WGBI Index	-0.21%
30 Day T-Bill	1.93%

Performance for accounts held outside of Morgan Stanley are calculated using simple math

\*447-xxx626 closed May 2022

\*447-xxx627 closed July 2022

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Data Source: Morgan Stanley, Broadridge, Morningstar

# Morgan Stanley

THE KELLIHER CORBETT GROUP  
AT MORGAN STANLEY

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## Appendix



# Morgan Stanley

THE KELLIHER CORBETT GROUP  
AT MORGAN STANLEY

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## Investment Holdings Analysis



# Mutual Funds/ETFs

## Results

Data as of 12/31/2024		Market Returns (%)							\$	% of
	Morningstar Category	3 Month	YTD	1-Yr	3-Yr	5-Yr	10-Yr	Assets	Total	
<b>Cash &amp; Equivalents</b>										
Cash & Equivalents		-	-	-	-	-	-	\$ 504,362	0.57%	
<b>Fixed Income</b>										
Vanguard Short-Term Treasury ETF	Short Government	-0.09	4.02	● 4.02	● 1.41	● 1.34	● 1.33	\$ 162,904	0.18%	
Cat: Short Government	Short Government	-0.13	4.03	● 4.03	● 0.99	● 1.03	● 1.17			
Guggenheim Limited Duration Instl	Short-Term Bond	0.28	5.98	● 5.98	● 2.84	● 3.08	● 2.87	\$ 336,177	0.38%	
Vanguard Short-Term Bond ETF	Short-Term Bond	-0.71	3.75	● 3.75	● 0.93	● 1.27	● 1.61	\$ 278,172	0.31%	
Cat: Short-Term Bond	Short-Term Bond	-0.09	5.07	● 5.07	● 1.81	● 1.91	● 1.98			
Vanguard Interim-Term Bond ETF	Intermediate Core Bond	-3.39	1.49	● 1.49	● -2.25	● 0.03	● 1.77	\$ 2,458,617	2.78%	
Cat: Intermediate Core Bond	Intermediate Core Bond	-2.87	1.68	● 1.68	● -2.29	● -0.20	● 1.30			
Fidelity Total Bond ETF	Intermediate Core-Plus Bond	-2.76	2.36	● 2.36	● -1.54	● 0.82	● 2.21	\$ 2,316,296	2.61%	
Loomis Sayles Core Plus Bond Y	Intermediate Core-Plus Bond	-3.52	0.75	● 0.75	● -2.29	● 0.34	● 1.81	\$ 2,594,126	2.93%	
Cat: Intermediate Core-Plus Bond	Intermediate Core-Plus Bond	-2.76	2.37	● 2.37	● -1.92	● 0.19	● 1.63			
PIMCO Income I2	Multisector Bond	-1.00	5.31	● 5.31	● 1.94	● 2.79	● 4.16	\$ 5,832,593	6.58%	
Cat: Multisector Bond	Multisector Bond	-0.74	5.96	● 5.96	● 1.15	● 2.24	● 3.11			
Idx: Bloomberg US Agg Bond TR USD	-	-3.06	1.25	1.25	-2.41	-0.33	1.35			
Idx: Bloomberg US Govt/Credit Interm TR USD	-	-1.60	3.00	3.00	-0.18	0.86	1.71			
Idx: FTSE WGBI USD	-	-5.44	-2.87	-2.87	-5.83	-3.08	-0.55			
<b>Sub-Total Fixed Income</b>								<b>\$ 13,978,884</b>	<b>15.78%</b>	

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Orange = Fund position only held in VEBA

Assets as of 12/31/2024  
See last page for important disclosure/disclaimer

Data Source: Morgan Stanley & Morningstar

# Mutual Funds/ETFs

## Results

Data as of 12/31/2024	Morningstar Category	Market Returns (%)								\$ Assets	% of Total
		3 Month	YTD	1-Yr	3-Yr	5-Yr	10-Yr				
<b>US Equity</b>											
Columbia Dividend Income Inst	Large Value	-1.34	15.01	● 15.01	● 6.51	● 10.46	● 10.75	\$ 4,035,723	4.56%		
Vanguard Value ETF	Large Value	-2.51	16.00	● 16.00	● 7.48	● 9.93	● 10.00	\$ 6,209,078	7.01%		
<b>Cat: Large Value</b>	<b>Large Value</b>	<b>-1.54</b>	<b>14.28</b>		<b>6.10</b>	<b>9.31</b>	<b>8.72</b>				
Invesco S&P 500® Equal Weight ETF	Large Blend	-1.92	12.77	● 12.77	● 4.25	● 10.57	● 10.00	\$ 4,122,286	4.65%		
Vanguard Total Stock Market ETF	Large Blend	2.62	23.75	● 23.75	● 7.88	● 13.80	● 12.50	\$ 10,230,293	11.55%		
<b>Cat: Large Blend</b>	<b>Large Blend</b>	<b>1.42</b>	<b>21.45</b>		<b>7.24</b>	<b>12.89</b>	<b>11.57</b>				
MFS Massachusetts Inv Gr Stk I	Large Growth	-0.62	16.64	● 16.64	● 5.51	● 12.77	● 13.52	\$ 3,091,842	3.49%		
Vanguard Russell 1000 Growth ETF	Large Growth	7.04	33.24	● 33.24	● 10.41	● 18.88	● 16.67	\$ 2,899,115	3.27%		
<b>Cat: Large Growth</b>	<b>Large Growth</b>	<b>5.39</b>	<b>28.96</b>		<b>6.74</b>	<b>15.42</b>	<b>14.02</b>				
iShares Core S&P Small-Cap ETF	Small Blend	-0.60	8.61	● 8.61	● 1.84	● 8.28	● 8.91	\$ 1,209,810	1.37%		
<b>Cat: Small Blend</b>	<b>Small Blend</b>	<b>-0.08</b>	<b>11.15</b>		<b>2.58</b>	<b>8.63</b>	<b>7.95</b>				
Idx: Russell 3000 TR USD	-	2.63	23.81	23.81	8.01	13.86	12.55				
Idx: S&P 500 TR USD	-	2.41	25.02	25.02	8.94	14.53	13.10				
Idx: Russell 1000 Value TR USD	-	-1.98	14.37	14.37	5.63	8.68	8.49				
Idx: Russell 1000 TR USD	-	2.75	24.51	24.51	8.41	14.28	12.87				
Idx: Russell 1000 Growth TR USD	-	7.07	33.36	33.36	10.47	18.96	16.78				
Idx: Morningstar DYF TR USD	-	-3.66	14.21	14.21	7.63	6.87	7.91				
Idx: Russell 2000 TR USD	-	0.33	11.54	11.54	1.24	7.40	7.82				
<b>Sub-Total US Equity</b>								<b>\$ 31,798,146</b>	<b>35.90%</b>		

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Data Source: Morgan Stanley & Morningstar

Assets as of 12/31/2024  
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# Mutual Funds/ETFs

## Results

Data as of 12/31/2024	Morningstar	Market Returns (%)						\$	% of
	Category	3 Month	YTD	1-Yr	3-Yr	5-Yr	10-Yr	Assets	Total
<b>Global/International Equity</b>									
MFS Intl Diversification I	Foreign Large Blend	-7.57	6.41	6.41	0.29	4.59	6.49	\$ 3,428,639	3.87%
Vanguard Total International Stock ETF	Foreign Large Blend	-7.39	5.20	5.20	0.71	4.32	5.09	\$ 3,644,821	4.11%
Cat: Foreign Large Blend	Foreign Large Blend	-7.35	4.85	4.85	0.77	4.45	4.97		
Capital Group International Focus Eq ETF	Foreign Large Growth	-7.78	4.75	4.75	-	-	-	\$ 3,319,349	3.75%
Cat: Foreign Large Growth	Foreign Large Growth	-6.94	5.18	5.18	-3.13	4.11	5.80		
First Eagle Global I	Global Allocation	-5.44	12.04	12.04	5.90	7.73	7.24	\$ 3,548,642	4.01%
Cat: Global Allocation	Global Allocation	-3.14	7.57	7.57	1.48	4.43	4.55		
Idx: MSCI ACWI Ex USA NR USD	-	-7.60	5.53	5.53	0.82	4.10	4.80		
Idx: MSCI ACWI NR USD	-	-0.99	17.49	17.49	5.44	10.06	9.23		
Idx: MSCI EAFE NR USD	-	-8.11	3.82	3.82	1.65	4.73	5.20		
Idx: MSCI EM NR USD	-	-8.01	7.50	7.50	-1.92	1.70	3.64		
<b>Sub-Total Global/International Equity</b>								\$ 13,941,450	15.74%
<b>Balanced</b>									
Capital Group Core Balanced ETF	Moderate Allocation	1.30	16.67	16.67	-	-	-	\$ 4,140,148	4.67%
Janus Henderson Balanced I	Moderate Allocation	0.07	15.40	15.40	3.59	8.31	8.68	\$ 4,139,581	4.67%
Cat: Moderate Allocation	Moderate Allocation	-0.84	11.39	11.39	2.91	6.75	6.54		
Idx: Bloomberg US Agg Bond TR USD	-	-3.06	1.25	1.25	-2.41	-0.33	1.35		
Idx: S&P 500 TR USD	-	2.41	25.02	25.02	8.94	14.53	13.10		
<b>Sub-Total Balanced</b>								\$ 8,279,729	9.35%
<b>Alternative</b>									
BlackRock Event Driven Equity Instl	Event Driven	-0.60	2.19	2.19	2.50	3.14	3.81	\$ 1,242,298	1.40%
Cat: Event Driven	Event Driven	0.67	4.14	4.14	2.25	3.90	3.38		
JPMorgan Hedged Equity I	Equity Hedged	1.44	18.23	18.23	8.06	10.30	8.38	\$ 125,814	0.14%
Cat: Equity Hedged	Equity Hedged	0.68	11.72	11.72	3.51	6.18	4.12		
Cohen & Steers Global Realty I	Global Real Estate	-10.60	0.83	0.83	-5.78	0.69	4.08	\$ 1,256,539	1.42%
Cat: Global Real Estate	Global Real Estate	-10.11	0.23	0.23	-6.17	-0.68	2.69		
Idx: S&P 500 TR USD	-	2.41	25.02	25.02	8.94	14.53	13.10		
Idx: Bloomberg US Agg Bond TR USD	-	-3.06	1.25	1.25	-2.41	-0.33	1.35		
Idx: Russell 3000 TR USD	-	2.63	23.81	23.81	8.01	13.86	12.55		
Idx: MSCI ACWI NR USD	-	-0.99	17.49	17.49	5.44	10.06	9.23		
Idx: DJ Global World Real Estate TR USD	-	-9.48	1.95	1.95	-5.52	-0.81	3.18		
<b>Sub-Total Alternative</b>								\$ 2,624,651	2.96%
<b>Total</b>								\$ 71,127,223	80.29%

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Data Source: Morgan Stanley & Morningstar

Assets as of 12/31/2024  
See last page for important disclosure/disclaimer

# Mutual Funds/ETFs

## Statistics

Data as of 12/31/2024	Prospectus Net Expense Ratio	Prospectus Adj Expense Ratio	Beta 3 Yr vs. S&P or BBg Agg	Alpha 3 Yr vs. S&P or BBg Agg	Std Dev 3 Yr	R2 3 Yr vs. S&P or BBg Agg	P/E Ratio	P/B Ratio	Geo Avg Mkt Cap \$MM	Mstar Risk 5 Yr
<b>Fixed Income</b>										
Vanguard Short-Term Treasury ETF	0.04	0.04	0.25	-1.17	2.46	73	-	-	-	Below Avg
<b>Cat: Short Government</b>	<b>0.59</b>	<b>0.59</b>	<b>0.33</b>	<b>-1.10</b>	<b>3.01</b>	<b>77</b>	<b>21.0</b>	<b>2.8</b>	<b>79978</b>	-
Guggenheim Limited Duration Instl	0.50	0.47	0.35	0.86	3.12	85	27.9	4.9	342705	Average
Vanguard Short-Term Bond ETF	0.04	0.04	0.41	-0.61	3.53	89	-	-	-	Average
<b>Cat: Short-Term Bond</b>	<b>0.64</b>	<b>0.64</b>	<b>0.36</b>	<b>-0.07</b>	<b>3.28</b>	<b>82</b>	<b>24.7</b>	<b>3.3</b>	<b>19830</b>	-
Vanguard Inter-Term Bond ETF	0.04	0.04	1.06	0.57	8.31	99	-	-	-	Above Avg
<b>Cat: Intermediate Core Bond</b>	<b>0.56</b>	<b>0.56</b>	<b>0.97</b>	<b>-0.09</b>	<b>7.68</b>	<b>98</b>	-	-	-	-
Fidelity Total Bond ETF	0.36	0.36	0.99	0.78	7.79	98	-	-	-	Below Avg
Loomis Sayles Core Plus Bond Y	0.49	0.49	1.10	0.82	8.66	98	-	-	-	Above Avg
<b>Cat: Intermediate Core-Plus Bond</b>	<b>0.76</b>	<b>0.76</b>	<b>0.98</b>	<b>0.36</b>	<b>7.84</b>	<b>95</b>	-	-	-	-
PIMCO Income I2	0.93	0.60	0.79	2.94	6.72	85	-	-	-	Average
<b>Cat: Multisector Bond</b>	<b>0.99</b>	<b>0.99</b>	<b>0.71</b>	<b>1.63</b>	<b>6.47</b>	<b>73</b>	-	-	-	-

See last page for important disclosure/disclaimer

Orange = Fund position only held in VEBA

The Prospectus Adjusted Operating Expense Ratio is the percentage of fund assets paid for operating expenses and management fees. The expense ratio typically includes the following types of fees: accounting, administrator, advisor, auditor, board of directors, custodial, distribution (12b-1), legal, organizational, professional, registration, shareholder reporting, sub-advisor, and transfer agency. The ratio does reflect fee waivers in effect during the time period, and does not include interest and dividends on borrowed securities. The expense ratio does not reflect the fund's brokerage costs or any investor sales charges.

**Data Source: Morgan Stanley & Morningstar**

# Mutual Funds/ETFs

## Statistics

Data as of 12/31/2024	Prospectus Net Expense Ratio	Prospectus Adj Expense Ratio	Beta 3 Yr vs. S&P or BBg Agg	Alpha 3 Yr vs. S&P or BBg Agg	Std Dev 3 Yr	R2 3 Yr vs. S&P or BBg Agg	P/E Ratio	P/B Ratio	Geo Avg Mkt Cap \$MM	Mstar Risk 5 Yr
<b>US Equity</b>										
Columbia Dividend Income Inst	0.65	0.65	0.77	-1.37	14.46	85	23.3	3.7	193589	Low
Vanguard Value ETF	0.04	0.04	0.80	-0.47	15.74	78	21.1	3.0	134484	Below Avg
<b>Cat: Large Value</b>	<b>0.88</b>	<b>0.88</b>	<b>0.84</b>	<b>-1.87</b>	<b>16.47</b>	<b>78</b>	<b>18.3</b>	<b>2.4</b>	<b>133342</b>	-
Invesco S&P 500® Equal Weight ETF	0.20	0.20	1.00	-4.23	18.54	87	21.1	2.8	43189	High
Vanguard Total Stock Market ETF	0.03	0.03	1.02	-1.05	17.85	99	27.1	4.4	209053	Above Avg
<b>Cat: Large Blend</b>	<b>0.77</b>	<b>0.77</b>	<b>0.96</b>	<b>-1.40</b>	<b>17.25</b>	<b>94</b>	<b>27.4</b>	<b>5.0</b>	<b>383784</b>	-
MFS Massachusetts Inv Gr Stk I	0.46	0.46	0.98	-3.10	17.37	96	32.9	6.7	252704	Low
Vanguard Russell 1000 Growth ETF	0.08	0.08	1.13	1.18	20.61	91	37.0	12.2	693393	Average
<b>Cat: Large Growth</b>	<b>0.94</b>	<b>0.94</b>	<b>1.15</b>	<b>-2.13</b>	<b>21.66</b>	<b>88</b>	<b>35.6</b>	<b>9.4</b>	<b>586061</b>	-
iShares Core S&P Small-Cap ETF	0.06	0.06	1.11	-6.32	23.22	68	17.6	1.8	2982	Above Avg
<b>Cat: Small Blend</b>	<b>0.99</b>	<b>0.99</b>	<b>1.07</b>	<b>-5.62</b>	<b>22.00</b>	<b>71</b>	<b>18.4</b>	<b>2.1</b>	<b>5770</b>	-

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**Data Source: Morgan Stanley & Morningstar**

# Mutual Funds/ETFs



## Statistics

Data as of 12/31/2024	Prospectus Net Expense Ratio	Prospectus Adj Expense Ratio	Beta 3 Yr vs. S&P or BBg Agg	Alpha 3 Yr vs. S&P or BBg Agg	Std Dev 3 Yr	R2 3 Yr vs. S&P or BBg Agg	P/E Ratio	P/B Ratio	Geo Avg Mkt Cap \$MM	Mstar Risk 5 Yr
<b>Global/International Equity</b>										
MFS Intl Diversification I	0.83	0.83	1.00	-0.48	16.63	96	16.0	1.9	39480	Below Avg
Vanguard Total International Stock ETF	0.08	0.08	1.03	0.04	16.88	98	15.2	1.7	31203	Average
Cat: Foreign Large Blend	0.88	0.88	1.02	0.13	17.24	92	16.0	1.9	58435	-
Capital Group International Focus Eq ETF	0.54	0.54	-	-	-	-	23.0	2.7	68023	-
Cat: Foreign Large Growth	1.01	1.01	1.15	-3.03	20.25	85	23.6	3.4	69182	-
First Eagle Global I	0.86	0.86	1.00	4.37	13.44	88	18.1	2.0	64987	Above Avg
Cat: Global Allocation	1.15	1.15	0.92	-0.16	12.57	87	19.4	2.3	95879	-
<b>Balanced</b>										
Capital Group Core Balanced ETF	0.33	0.33	-	-	-	-	26.4	4.9	229871	-
Janus Henderson Balanced I	0.66	0.66	0.95	1.97	12.61	92	30.1	7.0	480923	Average
Cat: Moderate Allocation	1.02	1.02	0.92	1.20	12.33	91	23.7	3.5	186451	-
<b>Alternative</b>										
BlackRock Event Driven Equity Instl	1.29	1.29	0.15	-2.01	3.88	42	27.3	3.1	20531	Average
Cat: Event Driven	1.81	1.81	0.14	-2.19	4.51	25	22.0	2.2	7336	-
JPMorgan Hedged Equity I	0.58	0.58	0.52	2.79	9.82	77	28.2	5.0	360071	Below Avg
Cat: Equity Hedged	1.32	1.32	0.51	-1.44	10.53	67	26.2	4.7	448078	-
Cohen & Steers Global Realty I	0.90	0.90	1.10	-10.83	20.15	79	29.2	1.7	21539	Average
Cat: Global Real Estate	1.13	1.13	1.07	-11.22	20.03	77	24.0	1.5	17535	-

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Data Source: Morgan Stanley & Morningstar



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Assets as of 12/31/2024

Data Source: Morningstar; as of 12/31/2024



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# Glossary of Terms

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**Accrued Income:** The dividends and interest earned but not yet received at both the beginning and end of each reporting period.

**Advisory Account:** An investment advisory relationship is designed for clients who prefer that their Financial Advisor act as an investment consultant, with their assets invested in a mutual fund asset allocation program or in a Advisory account that is directed by a professional money manager either at Morgan Stanley or at an external money management firm. There are important differences in your relationship with your Financial Advisor and Morgan Stanley in brokerage accounts and in advisory accounts. Additional information about these differences is available at <http://www.morganstanley.com/ourcommitment>

**Annualized Standard Deviation:** A measure of volatility, it quantifies how much a series of numbers, such as portfolio returns, deviates around its average. Since it measures the portfolio's investment volatility, the account's gross rate of return is used.

**Brokerage Account:** In a brokerage relationship, your Financial Advisor will work with you to facilitate the execution of securities transactions on your behalf. Your Financial Advisor also provides investor education and professional, personalized information about financial products and services in connection with these brokerage services. You can choose how you want to pay for these services and you will receive the same services regardless of which pricing option you choose. There are important differences in your relationship with your Financial Advisor and Morgan Stanley in brokerage accounts and in advisory accounts. Additional information about these differences is available at <http://www.morganstanley.com/ourcommitment>

**Comparative Indices:** A complete description of the comparative indices included in this Performance Report is available upon request.

**Dollar-Weighted Return:** Rate of return calculation methodology that reflects both the timing and magnitude of external contributions and withdrawals and measures the portfolio's performance. The return for each month is calculated as the average return on all dollars invested.

**Gross Return:** The return of the portfolio before the deduction of fees/commissions and other expenses.

**Net Contributions/Withdrawals:** The total value of capital contributed to or withdrawn from the account during the reporting period. The dollar amount represented by contribution or withdrawal transactions is excluded from the calculation of Portfolio Appreciation.

**Net Invested Capital:** The sum of the Total Beginning Value and the net of additional capital Contributions and Withdrawals for each reporting period.

**Net Portfolio Appreciation:** The total dollar gain/loss of the portfolio for each reporting period. The Net Portfolio Appreciation includes the impact of income received and is calculated as the difference between Net Invested Capital and Total Ending Value.

**Net Return:** The return of the portfolio for the period reduced by the amount of fees/commissions paid. The net of fees return is calculated gross of certain custody fees.

**Time-Weighted Return:** Rate of return calculation methodology that eliminates the impact of external contributions and withdrawals to the portfolio value and measures the manager's performance. Portfolio returns are calculated at least monthly and individual monthly returns are geometrically linked to calculate total cumulative return.

**Total Beginning Value:** The total market value of the portfolio, valued on a trade date basis, at the beginning of each reporting period. The Total Beginning Value includes Accrued Income.

**Total Ending Value:** The total market value of the portfolio, valued on a trade date basis, at the end of each reporting period. The Total Ending Value includes Accrued Income.

**Weighted Average:** The average in which each yield to be averaged is assigned a weight. These weightings determine the relative importance or frequency of each yield on the average.

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# J.P. Morgan Asset Management – Index definitions

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All indexes are unmanaged and an individual cannot invest directly in an index. Index returns do not include fees or expenses.

## Equities:

The **Dow Jones Industrial Average** is a price-weighted average of 30 actively traded blue-chip U.S. stocks.

The **MSCI ACWI (All Country World Index)** is a free float-adjusted market capitalization weighted index that is designed to measure the equity market performance of developed and emerging markets.

The **MSCI EAFE Index (Europe, Australasia, Far East)** is a free float-adjusted market capitalization index that is designed to measure the equity market performance of developed markets, excluding the US & Canada.

The **MSCI Emerging Markets Index** is a free float-adjusted market capitalization index that is designed to measure equity market performance in the global emerging markets.

The **MSCI Europe Index** is a free float-adjusted market capitalization index that is designed to measure developed market equity performance in Europe.

The **MSCI Pacific Index** is a free float-adjusted market capitalization index that is designed to measure equity market performance in the Pacific region.

The **Russell 1000 Index**® measures the performance of the 1,000 largest companies in the Russell 3000.

The **Russell 1000 Growth Index**® measures the performance of those Russell 1000 companies with higher price-to-book ratios and higher forecasted growth values.

The **Russell 1000 Value Index**® measures the performance of those Russell 1000 companies with lower price-to-book ratios and lower forecasted growth values.

The **Russell 2000 Index**® measures the performance of the 2,000 smallest companies in the Russell 3000 Index.

The **Russell 2000 Growth Index**® measures the performance of those Russell 2000 companies with higher price-to-book ratios and higher forecasted growth values.

The **Russell 2000 Value Index**® measures the performance of those Russell 2000 companies with lower price-to-book ratios and lower forecasted growth values.

The **Russell 3000 Index**® measures the performance of the 3,000 largest U.S. companies based on total market capitalization.

The **Russell Midcap Index**® measures the performance of the 800 smallest companies in the Russell 1000 Index.

The **Russell Midcap Growth Index**® measures the performance of those Russell Midcap companies with higher price-to-book ratios and higher forecasted growth values. The stocks are also members of the Russell 1000 Growth index.

The **Russell Midcap Value Index**® measures the performance of those Russell Midcap companies with lower price-to-book ratios and lower forecasted growth values. The stocks are also members of the Russell 1000 Value index.

The **S&P 500 Index** is widely regarded as the best single gauge of the U.S. equities market. The index includes a representative sample of 500 leading companies in leading industries of the U.S. economy. The **S&P 500 Index** focuses on the large-cap segment of the market; however, since it includes a significant portion of the total value of the market, it also represents the market.

## Fixed income:

The **Bloomberg 1-3 Month U.S. Treasury Bill Index** includes all publicly issued zero-coupon US Treasury Bills that have a remaining maturity of less than 3 months and more than 1 month, are rated investment grade, and have \$250 million or more of outstanding face value. In addition, the securities must be denominated in U.S. dollars and must be fixed rate and non convertible.

The **Bloomberg Global High Yield Index** is a multi-currency flagship measure of the global high yield debt market. The index represents the union of the US High Yield, the Pan-European High Yield, and Emerging Markets (EM) Hard Currency High Yield Indices. The high yield and emerging markets sub-components are mutually exclusive. Until January 1, 2011, the index also included CMBS high yield securities.

The **Bloomberg Municipal Index**: consists of a broad selection of investment-grade general obligation and revenue bonds of maturities ranging from one year to 30 years. It is an unmanaged index representative of the tax-exempt bond market.

The **Bloomberg US Dollar Floating Rate Note (FRN) Index** provides a measure of the U.S. dollar denominated floating rate note market.

The **Bloomberg US Corporate Investment Grade Index** is an unmanaged index consisting of publicly issued US Corporate and specified foreign debentures and secured notes that are rated investment grade (Baa3/BBB or higher) by at least two ratings agencies, have at least one year to final maturity and have at least \$250 million par amount outstanding. To qualify, bonds must be SEC-registered.

The **Bloomberg US High Yield Index** covers the universe of fixed rate, non-investment grade debt. Eurobonds and debt issues from countries designated as emerging markets (sovereign rating of Baa1/BBB-/BBB+ and below using the middle of Moody's, S&P, and Fitch) are excluded, but Canadian and global bonds (SEC registered) of issuers in non-EMG countries are included.

The **Bloomberg US Mortgage Backed Securities Index** is an unmanaged index that measures the performance of investment grade fixed-rate mortgage backed pass-through securities of GNMA, FNMA and FHLMC.

The **Bloomberg US TIPS Index** consists of Inflation-Protection securities issued by the U.S. Treasury.

The **J.P. Morgan Emerging Market Bond Global Index (EMBI)** includes U.S. dollar denominated Brady bonds, Eurobonds, traded loans and local market debt instruments issued by sovereign and quasi-sovereign entities.

The **J.P. Morgan Domestic High Yield Index** is designed to mirror the investable universe of the U.S. dollar domestic high yield corporate debt market.

The **J.P. Morgan Corporate Emerging Markets Bond Index Broad Diversified (CEMBI Broad Diversified)** is an expansion of the **J.P. Morgan Corporate Emerging Markets Bond Index (CEMBI)**. The CEMBI is a market capitalization weighted index consisting of U.S. dollar denominated emerging market corporate bonds.

The **J.P. Morgan Emerging Markets Bond Index Global Diversified (EMBI Global Diversified)** tracks total returns for U.S. dollar-denominated debt instruments issued by emerging market sovereign and quasi-sovereign entities: Brady bonds, loans, Eurobonds. The index limits the exposure of some of the larger countries.

The **J.P. Morgan GBI EM Global Diversified** tracks the performance of local currency debt issued by emerging market governments, whose debt is accessible by most of the international investor base.

The **U.S. Treasury Index** is a component of the U.S. Government index.



# J.P. Morgan Asset Management – Definitions

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## *Other asset classes:*

The **Alerian MLP Index** is a composite of the 50 most prominent energy Master Limited Partnerships (MLPs) that provides investors with an unbiased, comprehensive benchmark for the asset class.

The **Bloomberg Commodity Index** and related sub-indices are composed of futures contracts on physical commodities and represents twenty two separate commodities traded on U.S. exchanges, with the exception of aluminum, nickel, and zinc

The **Cambridge Associates U.S. Global Buyout and Growth Index®** is based on data compiled from 1,768 global (U.S. & ex-U.S.) buyout and growth equity funds, including fully liquidated partnerships, formed between 1986 and 2013.

The **CS/Tremont Hedge Fund Index** is compiled by Credit Suisse Tremont Index, LLC. It is an asset-weighted hedge fund index and includes only funds, as opposed to separate accounts. The Index uses the Credit Suisse/Tremont database, which tracks over 4500 funds, and consists only of funds with a minimum of US\$50 million under management, a 12-month track record, and audited financial statements. It is calculated and rebalanced on a monthly basis, and shown net of all performance fees and expenses. It is the exclusive property of Credit Suisse Tremont Index, LLC.

The **HFRI Monthly Indices (HFRI)** are equally weighted performance indexes, utilized by numerous hedge fund managers as a benchmark for their own hedge funds. The HFRI are broken down into 4 main strategies, each with multiple sub strategies. All single-manager HFRI Index constituents are included in the HFRI Fund Weighted Composite, which accounts for over 2200 funds listed on the internal HFR Database.

The **NAREIT EQUITY REIT Index** is designed to provide the most comprehensive assessment of overall industry performance, and includes all tax-qualified real estate investment trusts (REITs) that are listed on the NYSE, the American Stock Exchange or the NASDAQ National Market List.

The **NFI-ODCE**, short for NCREIF Fund Index -Open End Diversified Core Equity, is an index of investment returns reporting on both a historical and current basis the results of 33 open-end commingled funds pursuing a core investment strategy, some of which have performance histories dating back to the 1970s. The NFI-ODCE Index is capitalization-weighted and is reported gross of fees. Measurement is time-weighted.

## *Definitions:*

Investing in **alternative assets** involves higher risks than traditional investments and is suitable only for sophisticated investors. Alternative investments involve greater risks than traditional investments and should not be deemed a complete investment program. They are not tax efficient and an investor should consult with his/her tax advisor prior to investing. Alternative investments have higher fees than traditional investments and they may also be highly leveraged and engage in speculative investment techniques, which can magnify the potential for investment loss or gain. The value of the investment may fall as well as rise and investors may get back less than they invested.

**Bonds** are subject to interest rate risks. Bond prices generally fall when interest rates rise.

Investments in **commodities** may have greater volatility than investments in traditional securities, particularly if the instruments involve leverage. The value of commodity-linked derivative instruments may be affected by changes in overall market movements, commodity index volatility, changes in interest rates, or factors affecting a particular industry or commodity, such as drought, floods, weather, livestock disease, embargoes, tariffs and international economic, political and regulatory developments. Use of leveraged commodity-linked derivatives creates an opportunity for increased return but, at the same time, creates the possibility for greater loss.

**Derivatives** may be riskier than other types of investments because they may be more sensitive to changes in economic or market conditions than other types of investments and could result in losses that significantly exceed the original investment. The use of derivatives may not be successful, resulting in investment losses, and the cost of such strategies may reduce investment returns.

**Distressed Restructuring Strategies** employ an investment process focused on corporate fixed income instruments, primarily on corporate credit instruments of companies trading at significant discounts to their value at issuance or obliged (par value) at maturity as a result of either formal bankruptcy proceeding or financial market perception of near term proceedings.

Investments in **emerging markets** can be more volatile. The normal risks of investing in foreign countries are heightened when investing in emerging markets. In addition, the small size of securities markets and the low trading volume may lead to a lack of liquidity, which leads to increased volatility. Also, emerging markets may not provide adequate legal protection for private or foreign investment or private property.

The price of **equity securities** may rise, or fall because of changes in the broad market or changes in a company's financial condition, sometimes rapidly or unpredictably. These price movements may result from factors affecting individual companies, sectors or industries, or the securities market as a whole, such as changes in economic or political conditions. Equity securities are subject to "stock market risk" meaning that stock prices in general may decline over short or extended periods of time.

**Equity market neutral strategies** employ sophisticated quantitative techniques of analyzing price data to ascertain information about future price movement and relationships between securities, select securities for purchase and sale. Equity Market Neutral Strategies typically maintain characteristic net equity market exposure no greater than 10% long or short.

**Global macro strategies** trade a broad range of strategies in which the investment process is predicated on movements in underlying economic variables and the impact these have on equity, fixed income, hard currency and commodity markets.

**International** investing involves a greater degree of risk and increased volatility. Changes in currency exchange rates and differences in accounting and taxation policies outside the U.S. can raise or lower returns. Some overseas markets may not be as politically and economically stable as the United States and other nations.

There is no guarantee that the use of **long and short positions** will succeed in limiting an investor's exposure to domestic stock market movements, capitalization, sector swings or other risk factors. Using long and short selling strategies may have higher portfolio turnover rates. Short selling involves certain risks, including additional costs associated with covering short positions and a possibility of unlimited loss on certain short sale positions.

**Merger arbitrage strategies** which employ an investment process primarily focused on opportunities in equity and equity related instruments of companies which are currently engaged in a corporate transaction.

**Mid-capitalization** investing typically carries more risk than investing in well-established "blue-chip" companies. Historically, mid-cap companies' stock has experienced a greater degree of market volatility than the average stock.

**Price to forward earnings** is a measure of the price-to-earnings ratio (P/E) using forecasted earnings. **Price to book value** compares a stock's market value to its book value. **Price to cash flow** is a measure of the market's expectations of a firm's future financial health. **Price to dividends** is the ratio of the price of a share on a stock exchange to the dividends per share paid in the previous year, used as a measure of a company's potential as an investment.

**Real estate** investments may be subject to a higher degree of market risk because of concentration in a specific industry, sector or geographical sector. Real estate investments may be subject to risks including, but not limited to, declines in the value of real estate, risks related to general and economic conditions, changes in the value of the underlying property owned by the trust and defaults by borrower.

**Relative Value Strategies** maintain positions in which the investment thesis is predicated on realization of a valuation discrepancy in the relationship between multiple securities.

**Small-capitalization** investing typically carries more risk than investing in well-established "blue-chip" companies since smaller companies generally have a higher risk of failure. Historically, smaller companies' stock has experienced a greater degree of market volatility than the average stock.



# J.P. Morgan Asset Management – Risks & disclosures

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Unless otherwise stated, all data are as of December 31, 2024 or most recently available.

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**Adverse Active AlphaSM 2.0** is a patented screening and scoring process designed to help identify high-quality equity and fixed income managers with characteristics that may lead to future outperformance relative to index and peers. While highly ranked managers performed well as a group in our Adverse Active Alpha model back tests, not all of the managers will outperform. Please note that this data may be derived from back-testing, which has the benefit of hindsight. In addition, highly ranked managers can have differing risk profiles that might not be appropriate for all investors.

Our view is that Adverse Active Alpha is a good starting point and should be used in conjunction with other information. Morgan Stanley Wealth Management's qualitative and quantitative investment

manager due diligence process are equally important factors for investors when considering managers for use through an investment advisory program. Factors including, but not limited to, manager turnover and changes to investment process can partially or fully negate a positive Adverse Active Alpha ranking. Additionally, highly ranked managers can have differing risk profiles that might not be appropriate for all investors.

The proprietary **Value Score** methodology considers an active investment strategies' value proposition relative to its costs. From a historical quantitative study of several quantitative markers, Value Score measures perceived forward-looking benefit and computes (1) "fair value" expense ratios for most traditional investment managers across 40 categories and (2) managers' perceived "excess value" by comparing the fair value expense ratios to actual expense ratios. Managers are then ranked within each category by their excess value to assign a Value Score. Our analysis suggests that greater levels of excess value have historically corresponded to attractive subsequent performance.

For more information on the ranking models, please see Adverse Active AlphaSM 2.0: Scoring Active Managers According to Potential Alpha and Value Score: Scoring Fee Efficiency by Comparing Managers' "Fair Value" and Actual Expense Ratios. The whitepapers are available from your Financial Advisor or Private Wealth Advisor. ADVERSE ACTIVE ALPHA is a registered service mark of Morgan Stanley and/or its affiliates. U.S. Pat. No. 8,756,098 applies to the Adverse Active Alpha system and/or methodology.

Additionally, highly ranked managers can have differing risk profiles that might not be appropriate for all investors. For more information on AAA, please see the Adverse Active Alpha Ranking Model and Selecting Managers with Adverse Active Alpha whitepapers. The whitepaper are available from your Financial Advisor or Private Wealth Advisor. ADVERSE ACTIVE ALPHA is a registered service mark of Morgan Stanley and/or its affiliates. U.S. Pat. No. 8,756,098 applies to the Adverse Active Alpha system and/or methodology.

**The Global Investment Manager Analysis (GIMA) Services Only Apply to Certain Investment Advisory Programs** GIMA evaluates certain investment products for the purposes of some – but not all – of Morgan Stanley Smith Barney LLC's investment advisory programs (as described in more detail in the applicable Form ADV Disclosure Document for Morgan Stanley Wealth Management). If you do not invest through one of these investment advisory programs, Morgan Stanley Wealth Management is not obligated to provide you notice of any GIMA Status changes even though it may give notice to clients in other programs.

**Strategy May Be Available as a Separately Managed Account or Mutual Fund** Strategies are sometimes available in Morgan Stanley Wealth Management investment advisory programs both in the form of a separately managed account ("SMA") and a mutual fund. These may have different expenses and investment minimums. Your Financial Advisor or Private Wealth Advisor can provide more information on whether any particular strategy is available in more than one form in a particular investment advisory program. Generally, investment advisory accounts are subject to an annual asset-based fee (the "Fee") which is payable monthly in advance (some account types may be billed differently). In general, the Fee covers Morgan Stanley investment advisory services, custody of securities with Morgan Stanley, trade execution with or through Morgan Stanley or its affiliates, as well as compensation to any Morgan Stanley Financial Advisor.

In addition, each account that is invested in a program that is eligible to purchase certain investment products, such as mutual funds, will also pay a Platform Fee (which is subject to a Platform Fee offset) as described in the applicable ADV brochure. Accounts invested in the Select UMA program may also pay a separate Sub-Manager fee, if applicable.

If your account is invested in mutual funds or exchange traded funds (collectively "funds"), you will pay the fees and expenses of any funds in which your account is invested. Fees and expenses are charged directly to the pool of assets the fund invests in and are reflected in each fund's share price. These fees and expenses are an additional cost to you and would not be included in the Fee amount in your account statements. The advisory program you choose is described in the applicable Morgan Stanley Smith Barney LLC ADV Brochure, available at [www.morganstanley.com/ADV](http://www.morganstanley.com/ADV).

Morgan Stanley or Executing Sub-Managers, as applicable, in some of Morgan Stanley's Separately Managed Account ("SMA") programs may effect transactions through broker-dealers other than Morgan Stanley or our affiliates. In such instances, you may be assessed additional costs by the other firm in addition to the Morgan Stanley and Sub-Manager fees. Those costs will be included in the net price of the security, not separately reported on trade confirmations or account statements. Certain Sub-Managers have historically directed most, if not all, of their trades to outside firms. Information provided by Sub-Managers concerning trade execution away from Morgan Stanley is summarized at: [www.morganstanley.com/wealth/investmentsolutions/pdfs/adv/sotresponse.pdf](http://www.morganstanley.com/wealth/investmentsolutions/pdfs/adv/sotresponse.pdf). For more information on trading and costs, please refer to the ADV Brochure for your program(s), available at [www.morganstanley.com/ADV](http://www.morganstanley.com/ADV), or contact your Financial Advisor / Private Wealth Advisor.

**Conflicts of Interest:** GIMA's goal is to provide professional, objective evaluations in support of the Morgan Stanley Wealth Management investment advisory programs. We have policies and procedures to help us meet this goal. However, our business is subject to various conflicts of interest. For example, ideas and suggestions for which investment products should be evaluated by GIMA come from a variety of sources, including our Morgan Stanley Wealth Management Financial Advisors and their direct or indirect managers, and other business persons within Morgan Stanley Wealth Management or its affiliates. Such persons may have an ongoing business relationship with certain investment managers or mutual fund companies whereby they, Morgan Stanley Wealth



Management or its affiliates receive compensation from, or otherwise related to, those investment managers or mutual funds. For example, a Financial Advisor may suggest that GIMA evaluates an investment manager or fund in which a portion of his or her clients' assets are already invested. While such a recommendation is permissible, GIMA is responsible for the opinions expressed by GIMA. Separately, certain strategies managed or sub-advised by us or our affiliates, including but not limited to MSIM and Eaton Vance Management ("EVM") and its investment affiliates, may be included in your account. See the conflicts of interest section in the applicable Form ADV Disclosure Document for Morgan Stanley Wealth Management for a discussion of other types of conflicts that may be relevant to GIMA's evaluation of managers and funds. In addition, Morgan Stanley Wealth Management, MS&Co., managers and their affiliates provide a variety of services (including research, brokerage, asset management, trading, lending and investment banking services) for each other and for various clients, including issuers of securities that may be recommended for purchase or sale by clients or are otherwise held in client accounts, and managers in various advisory programs.

Morgan Stanley Wealth Management, managers, MS & Co., and their affiliates receive compensation and fees in connection with these services. Morgan Stanley Wealth Management believes that the nature and range of clients to which such services are rendered is such that it would be inadvisable to exclude categorically all of these companies from an account.

Morgan Stanley charges each fund family we offer a mutual fund support fee, also called a "revenue-sharing payment," on client account holdings in fund families according to a tiered rate that increases along with the management fee of the fund so that lower management fee funds pay lower rates than those with higher management fees.

**Consider Your Own Investment Needs:** The model portfolios and strategies discussed in the material are formulated based on general client characteristics including risk tolerance. This material is not intended to be an analysis of whether particular investments or strategies are appropriate for you or a recommendation, or an offer to participate in any investment. Therefore, clients should not use this material as the sole basis for investment decisions. They should consider all relevant information, including their existing portfolio, investment objectives, risk tolerance, liquidity needs and investment time horizon. Such a determination may lead to asset allocation results that are materially different from the asset allocation shown in this profile. Talk to your Financial Advisor about what would be an appropriate asset allocation for you, whether Morgan Stanley Pathway Funds is an appropriate program for you.

**No obligation to notify** – Morgan Stanley Wealth Management has no obligation to notify you when the model portfolios, strategies, or any other information, in this material changes.

**For index, indicator and survey definitions referenced in this report please visit the following:** <https://www.morganstanley.com/wealth-investmentsolutions/wmir-definitions>

**The Morgan Stanley Pathway Funds, Firm Discretionary UMA Model Portfolios,** and other asset allocation or any other model portfolios discussed in this material are available only to investors participating in Morgan Stanley Consulting Group advisory programs. For additional information on the Morgan Stanley Consulting Group advisory programs, see the applicable ADV brochure, available at [www.morganstanley.com/ADV](http://www.morganstanley.com/ADV) or from your Morgan Stanley Financial Advisor or Private Wealth Advisor. To learn more about the Morgan Stanley Pathway Funds, visit the Funds' website at <https://www.morganstanley.com/wealth-investmentsolutions/cgcm>. Consulting Group is a business of Morgan Stanley.

**Morgan Stanley Pathway Program Asset Allocation Models** There are model portfolios corresponding to five risk-tolerance levels available in the Pathway program. Model 1 is the least aggressive portfolio and consists mostly of bonds. As the model numbers increase, the models have higher allocations to equities and become more aggressive. Pathway is a mutual fund asset allocation program. In constructing the Pathway Program Model Portfolios, Morgan Stanley Wealth Management uses, among other things, model asset allocations produced by Morgan Wealth Management's Global Investment Committee (the "GIC"). The Pathway Program Model Portfolios are specific to the Pathway program (based on program features and parameters, and any other requirements of Morgan Stanley Wealth Management's Consulting Group). The Pathway Program Model Portfolios may therefore differ in some respects from model portfolios available in other Morgan Stanley Wealth Management programs or from asset allocation models published by the Global Investment Committee.

The type of mutual funds and ETFs discussed in this presentation utilizes nontraditional or complex investment strategies and/or derivatives. Examples of these types of funds include those that utilize one or more of the below noted investment strategies or categories or which seek exposure to the following markets: (1) commodities (e.g., agricultural, energy and metals), currency, precious metals; (2) managed futures; (3) leveraged, inverse or inverse leveraged; (4) bear market, hedging, long-short equity, market neutral; (5) real estate; (6) volatility (seeking exposure to the CBOE VIX Index). Investors should keep in mind that while mutual funds and ETFs may, at times, utilize nontraditional investment options and strategies, they should not be equated with unregistered privately offered alternative investments. Because of regulatory limitations, mutual funds and ETFs that seek alternative-like investment exposure must utilize a more limited investment universe. As a result, investment returns and portfolio characteristics of alternative mutual funds and ETFs may vary from traditional hedge funds pursuing similar investment objectives. Moreover, traditional hedge funds have limited liquidity with long "lock-up" periods allowing them to pursue investment strategies without having to factor in the need to meet client redemptions and ETFs trade on an exchange. On the other hand, mutual funds typically must meet daily client redemptions. This differing liquidity profile can have a material impact on the investment returns generated by a mutual fund or ETF pursuing an alternative investing strategy compared with a traditional hedge fund pursuing the same strategy.

Nontraditional investment options and strategies are often employed by a portfolio manager to further a fund's investment objective and to help offset market risks. However, these features may be complex, making it more difficult to understand the fund's essential characteristics and risks, and how it will perform in different market environments and over various periods of time. They may also expose the fund to increased volatility and unanticipated risks particularly when used in complex combinations and/or accompanied by the use of borrowing or "leverage."

**Please consider the investment objectives, risks, fees, and charges and expenses of mutual funds, ETFs, closed end funds, unit investment trusts, and variable insurance products carefully before investing. The prospectus contains this and other information about each fund. To obtain a prospectus, contact your Financial Advisor or Private Wealth Advisor or visit the Morgan Stanley website at [www.morganstanley.com](http://www.morganstanley.com). Please read it carefully before investing.**

**Money Market Funds:** You could lose money in money market funds. Although money market funds classified as government funds (i.e., money market funds that invest 99.5% of total assets in cash and/or securities backed by the U.S government) and retail funds (i.e., money market funds open to natural person investors only) seek to preserve value at \$1.00 per share, they cannot guarantee they will do so. The price of other money market funds will fluctuate and when you sell shares they may be worth more or less than originally paid. Money market funds may impose a fee upon sale or temporarily suspend sales if liquidity falls below required minimums. During suspensions, shares would not be available for purchases, withdrawals, check writing or ATM debits. A money market fund investment is not insured or guaranteed by the Federal Deposit Insurance Corporation or other government agency. The Fund's sponsor has no legal obligation to provide financial support to the Fund, and you should not expect that the sponsor will provide financial support to the Fund at any time.

**Investors should carefully consider the investment objectives, risks, charges and expenses of a money market fund before investing. The prospectus contains this and other information about the money market fund. To obtain a prospectus, contact your Financial Advisor or visit the money market fund company's website. Please read the prospectus carefully before investing.**

**Exchange Funds** are private placement vehicles that enable holders of concentrated single-stock positions to exchange those stocks for a diversified portfolio. Investors may benefit from greater diversification by exchanging a concentrated stock position for fund shares without triggering a taxable event. These funds are available only to qualified investors and may only be offered by Financial Advisors who are qualified to sell alternative investments. Before investing, investors should consider the following:

- Dividends are pooled
- Investors may forfeit their stock voting rights
- Investment may be illiquid for several years
- Investments may be leveraged or contain derivatives
- Significant early redemption fees may apply
- Changes to the U.S. tax code, which could be retroactive (potentially disallowing the favorable tax treatment of exchange funds)
- Investment risk and potential loss of principal

#### KEY ASSET CLASS CONSIDERATIONS AND OTHER RISKS

Investing in the markets entails the risk of market volatility. The value of all types of investments, including stocks, mutual funds, exchange-traded funds ("ETFs"), closed-end funds, and unit investment trusts, may increase or decrease over varying time periods. To the extent the investments depicted herein represent **international securities**, you should be aware that there may be additional risks associated with international investing, including foreign economic, political, monetary and/or legal factors, changing currency exchange rates, foreign taxes, and differences in financial and accounting standards. These risks may be magnified in **emerging markets and frontier markets**. Some funds also invest in foreign securities, which may involve currency risk. There is no assurance that the fund will achieve its investment objective. **Small- and mid-capitalization companies** may lack the financial resources, product diversification and competitive strengths of larger companies. In addition, the securities of small- and mid-capitalization companies may not trade as readily as, and be subject to higher volatility than, those of larger, more established companies. The value of **fixed income securities** will fluctuate and, upon a sale, may be worth more or less than their original cost or maturity value. Bonds are subject to interest rate risk, call risk, reinvestment risk, liquidity risk, and credit risk of the issuer. **High yield bonds** are subject to additional risks such as increased risk of default and greater volatility because of the lower credit quality of the issues. In the case of **municipal bonds**, income is generally exempt from federal income taxes. Some income may be subject to state and local taxes and to the federal alternative minimum tax. Capital gains, if any, are subject to tax. **Treasury Inflation Protection Securities' (TIPS)** coupon payments and underlying principal are automatically increased to compensate for inflation by tracking the consumer price index (CPI). While the real rate of return is guaranteed, TIPS tend to offer a low return. Because the return of TIPS is linked to inflation, TIPS may significantly underperform versus conventional U.S. Treasuries in times of low inflation. There is no guarantee that investors will receive par if TIPS are sold prior to maturity.

**Structured Investments** are complex and not appropriate for all investors. An investment in Structures Investments involve risks. These risks can include but are not limited to: (1) Fluctuations in the price, level or yield of underlying instruments, interest rates, currency values and credit quality, (2) Substantial or total loss of principal, (3) Limits on participation in appreciation of underlying instrument, (4) Limited liquidity, (5) Issuer credit risk and (6) Conflicts of Interest. There is no assurance that a strategy of using structured product for wealth preservation, yield enhancement, and/or interest rate risk hedging will meet its objectives.

**Alternative Investments** often are speculative and include a high degree of risk. Investors could lose all or a substantial amount of their investment. Alternative investments are appropriate only for eligible, long-term investors who are willing to forgo liquidity and put capital at risk for an indefinite period of time. They may be highly illiquid and can engage in leverage and other speculative practices that may increase the volatility and risk of loss. Alternative Investments typically have higher fees than traditional investments. Investors should carefully review and consider potential risks before investing. Certain of these risks may include but are not limited to: Loss of all or a substantial portion of the investment due to leveraging, short-selling, or other speculative practices; Lack of liquidity in that there may be no secondary market for a fund; Volatility of returns; Restrictions on transferring interests in a fund; Potential lack of diversification and resulting higher risk due to concentration of trading authority when a single advisor is utilized; Absence of information regarding valuations and pricing; Complex tax structures and delays in tax reporting; Less regulation and higher fees than mutual funds; Risks associated with the operations, personnel, and processes of the manager; and Risks associated with cybersecurity. As a diversified global financial services firm, Morgan Stanley Wealth Management engages in a broad spectrum of activities including financial advisory services, investment management activities, sponsoring and managing private investment funds, engaging in broker-dealer transactions and principal securities, commodities and foreign exchange transactions, research publication, and other activities. In the ordinary course of its business, Morgan Stanley Wealth Management therefore engages in activities where Morgan Stanley Wealth Management's interests may conflict with the interests of its clients, including the private investment funds it manages. Morgan Stanley Wealth Management can give no assurance that conflicts of interest will be resolved in favor of its clients or any such fund. Alternative investments involve complex tax structures, tax inefficient investing, and delays in distributing important tax information. Clients should consult their own tax and legal advisors as Morgan Stanley Wealth Management does not provide tax or legal advice. All expressions of opinion are subject to change without notice and are not intended to be a forecast of future events or results. Further, opinions expressed herein may differ from the opinions expressed by Morgan Stanley Wealth Management and/or other businesses/affiliates of Morgan Stanley Wealth Management. This is not a "research report" as defined by FINRA Rule 2241 or a "debt research report" as defined by FINRA Rule 2242 and was not prepared by the Research Departments of Morgan Stanley Smith Barney LLC or Morgan Stanley & Co. LLC or its affiliates. Certain information contained herein may constitute forward-looking statements. Due to various risks and uncertainties, actual events, results or the performance of a fund may differ materially from those reflected or contemplated in such forward-looking statements. Clients should carefully consider the investment objectives, risks, charges, and expenses of a fund before investing. While the HFRI indices are frequently used, they have limitations (some of which are typical of other widely used indices). These limitations include survivorship bias (the returns of the indices may not be representative of all the hedge funds in the universe because of the tendency of lower performing funds to leave the index); heterogeneity (not all hedge funds are alike or comparable to one another, and the index may not accurately reflect the performance of a described style); and limited data (many hedge funds do not report to indices, and the index may omit funds, the inclusion of which might significantly affect the performance shown. The HFRI indices are based on information self-reported by hedge fund managers that decide on their own, at any time, whether or not they want to provide, or continue to provide, information to HFR Asset Management, L.L.C. Results for funds that go out of business are included in the index until the date that they cease operations. Therefore, these indices may not be complete or accurate representations of the hedge fund universe and may be biased in several ways. Composite index results are shown for illustrative purposes and do not represent the performance of a specific investment. Individual funds have specific tax risks related to their investment programs that will vary from fund to fund. Clients should consult their own tax and legal advisors as Morgan Stanley Wealth Management does not provide tax or legal advice. Interests in alternative investment products are offered pursuant to the terms of the applicable offering memorandum, are distributed by Morgan Stanley Wealth Management and certain of its affiliates, and (1) are not FDIC-insured, (2) are not deposits or other obligations of Morgan Stanley Wealth Management or any of its affiliates, (3) are not guaranteed by Morgan Stanley Wealth Management and its affiliates, and (4) involve investment risks, including possible loss of principal. Morgan Stanley Wealth Management is a registered broker-dealer, not a bank. This material is not to be reproduced or distributed to any other persons (other than professional advisors of the investors or prospective investors, as applicable, receiving this material) and is intended solely for the use of the persons to whom it has been delivered. This material is not for distribution to the general public. Past performance is no guarantee of future results. Actual results may vary. SIPC insurance does not apply to precious metals, other commodities, or traditional alternative investments. In Consulting Group's advisory programs, alternative investments are limited to US-registered mutual funds, separate account strategies and exchange-traded funds (ETFs) that seek to pursue alternative investment strategies or returns utilizing publicly traded securities. Investment products in this category may employ various investment strategies and techniques for both hedging and more speculative purposes such as short-selling, leverage, derivatives and options, which can increase volatility and the risk of investment loss. Alternative investments are not appropriate for all investors.

A majority of Alternative Investment managers reviewed and selected by GIMA pay or cause to be paid an ongoing fee for distribution from their management fees to Morgan Stanley Wealth Management in connection with Morgan Stanley Wealth Management clients that purchase an interest in an Alternative Investment and in some instances pay these fees on the investments held by advisory clients. Morgan Stanley Wealth Management rebates such fees that are received and attributable to an Investment held by an advisory client and retains the fees paid in connection with investments held by brokerage clients. Morgan Stanley Wealth Management has a conflict of interest in offering alternative investments because Morgan Stanley Wealth Management or our affiliates, in most instances, earn more money in your account from your investments in alternative investments than from other investment options.



It should be noted that the majority of hedge fund indexes are comprised of hedge fund manager returns. This is in contrast to traditional indexes, which are comprised of individual securities in the various market segments they represent and offer complete transparency as to membership and construction methodology. As such, some believe that hedge fund index returns have certain biases that are not present in traditional indexes. Some of these biases inflate index performance, while others may skew performance negatively. However, many studies indicate that overall hedge fund index performance has been biased to the upside. Some studies suggest performance has been inflated by up to 260 basis points or more annually depending on the types of biases included and the time period studied. Although there are numerous potential biases that could affect hedge fund returns, we identify some of the more common ones throughout this paper.

Self-selection bias results when certain manager returns are not included in the index returns and may result in performance being skewed up or down. Because hedge funds are private placements, hedge fund managers are able to decide which fund returns they want to report and are able to opt out of reporting to the various databases. Certain hedge fund managers may choose only to report returns for funds with strong returns and opt out of reporting returns for weak performers. Other hedge funds that close may decide to stop reporting in order to retain secrecy, which may cause a downward bias in returns.

Survivorship bias results when certain constituents are removed from an index. This often results from the closure of funds due to poor performance, “blow ups,” or other such events. As such, this bias typically results in performance being skewed higher. As noted, hedge fund index performance biases can result in positive or negative skew. However, it would appear that the skew is more often positive. While it is difficult to quantify the effects precisely, investors should be aware that idiosyncratic factors may be giving hedge fund index returns an artificial “lift” or upwards bias.

**Hedge Funds of Funds** and many funds of funds are private investment vehicles restricted to certain qualified private and institutional investors. They are often speculative and include a high degree of risk. Investors can lose all or a substantial amount of their investment. They may be highly illiquid, can engage in leverage and other speculative practices that may increase volatility and the risk of loss, and may be subject to large investment minimums and initial lockups. They involve complex tax structures, tax-inefficient investing and delays in distributing important tax information. Categorically, hedge funds and funds of funds have higher fees and expenses than traditional investments, and such fees and expenses can lower the returns achieved by investors. Funds of funds have an additional layer of fees over and above hedge fund fees that will offset returns. An investment in an **exchange-traded fund** involves risks similar to those of investing in a broadly based portfolio of equity securities traded on an exchange in the relevant securities market, such as market fluctuations caused by such factors as economic and political developments, changes in interest rates and perceived trends in stock and bond prices. An investment in a **target date portfolio** is subject to the risks attendant to the underlying funds in which it invests, in these portfolios the funds are the Consulting Group Capital Market funds. A target date portfolio is geared to investors who will retire and/or require income at an approximate year. The portfolio is managed to meet the investor’s goals by the pre-established year or “target date.” A target date portfolio will transition its invested assets from a more aggressive portfolio to a more conservative portfolio as the target date draws closer. An investment in the target date portfolio is not guaranteed at any time, including, before or after the target date is reached. **Managed futures** investments are speculative, involve a high degree of risk, use significant leverage, are generally illiquid, have substantial charges, subject investors to conflicts of interest, and are appropriate only for the risk capital portion of an investor’s portfolio. Managed futures investments do not replace equities or bonds but rather may act as a complement in a well diversified portfolio. Managed Futures are complex and not appropriate for all investors.

As a diversified global financial services firm, Morgan Stanley engages in a broad spectrum of activities including financial advisory services, investment management activities, sponsoring and managing private investment funds, engaging in broker-dealer transactions and principal securities, commodities and foreign exchange transactions, research publication, and other activities. In the ordinary course of its business, Morgan Stanley therefore engages in activities where Morgan Stanley interests may conflict with the interests of its clients, including the private investment funds it manages. Morgan Stanley can give no assurance that conflicts of interest will be resolved in favor of its clients or any such fund. All expressions of opinion are subject to change without notice and are not intended to be a forecast of future events or results. **Private Markets:** As part of the Morgan Stanley Private Markets – Access program, Morgan Stanley will be limited solely to a role as an introducer and will not be serving as a placement agent or adviser. Eligible investors must enroll in the program in order to see any investment opportunities. Investments require independent evaluation, due diligence, review & analysis. Neither Morgan Stanley nor any of its affiliates is making any recommendation to purchase or take any action of any sort and is not providing any advice on investments. Investors are asked to work directly with the issuer/sponsor and with your own independent (non-Morgan Stanley) financial, legal, accounting, tax, and other professional advisors to evaluate the investment opportunity.

Investors are responsible for complying with the terms of any applicable exemption from securities law requirements and any potential Private Company issuer restrictions for any sale of Private Company shares, and you must obtain your own legal counsel to advise you in connection with such requirements and Private Company issuer restrictions. You should consult with your third-party advisors regarding the risks of transacting in Private Company shares, including the risk of transacting in a market with little or no price transparency or liquidity. Morgan Stanley provides no opinion or view on the valuation of any Private Company shares, or the sufficiency, fairness or competitiveness of any price obtained. Private Securities do not trade on any national securities exchange and, as such, any potential liquidity (i.e., the potential for any buying interest that might satisfy your sell interest) in such Private Company shares is very limited.

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### Virtual Currency Products (Cryptocurrencies)

**Buying, selling, and transacting in Bitcoin, Ethereum or other digital assets ("Digital Assets"), and related funds and products, is highly speculative and may result in a loss of the entire investment.** Risks and considerations include but are not limited to:

- Digital Assets have only been in existence for a short period of time and historical trading prices for Digital Assets have been highly volatile. The price of Digital Assets could decline rapidly, and investors could lose their entire investment.
- Certain Digital Asset funds and products, allow investors to invest on a more frequent basis than investors may withdraw from the fund or product, and interests in such funds or products are generally not freely transferrable. This means that, particularly given the volatility of Digital Assets, an investor will have to bear any losses with respect to its investment for an extended period of time and will not be able to react to changes in the price of the Digital Asset once invested (for example, by seeking to withdraw) as quickly as when making the decision to invest. Such Digital Asset funds and products, are intended only for persons who are able to bear the economic risk of investment and who do not need liquidity with respect to their investments.
- Given the volatility in the price of Digital Assets, the net asset value of a fund or product that invests in such assets at the time an investor's subscription for interests in the fund or product is accepted may be significantly below or above the net asset value of the product or fund at the time the investor submitted subscription materials.
- Certain Digital Assets are not intended to function as currencies but are intended to have other use cases. These other Digital Assets may be subject to some or all of the risks and considerations set forth herein, as well as additional risks applicable to such Digital Assets. Buyers, sellers and users of such Digital Assets should thoroughly familiarize themselves with such risks and considerations before transacting in such Digital Assets.
- The value of Digital Assets may be negatively impacted by future legal and regulatory developments, including but not limited to increased regulation of such Digital Assets. Any such developments may make such Digital Assets less valuable, impose additional burdens and expenses on a fund or product investing in such assets or impact the ability of such a fund or product to continue to operate, which may materially decrease the value of an investment therein.
- Due to the new and evolving nature of digital currencies and the absence of comprehensive guidance, many significant aspects of the tax treatment of Digital Assets are uncertain. Prospective investors should consult their own tax advisors concerning the tax consequences to them of the purchase, ownership and disposition of Digital Assets, directly or indirectly through a fund or product, under U.S. federal income tax law, as well as the tax law of any relevant state, local or other jurisdiction.
- Over the past several years, certain Digital Asset exchanges have experienced failures or interruptions in service due to fraud, security breaches, operational problems or business failure. Such events in the future could impact any fund's or product's ability to transact in Digital Assets if the fund or product relies on an impacted exchange and may also materially decrease the price of Digital Assets, thereby impacting the value of your investment, regardless of whether the fund or product relies on such an impacted exchange.
- Although any Digital Asset product and its service providers have in place significant safeguards against loss, theft, destruction and inaccessibility, there is nonetheless a risk that some or all of a product's Digital Asset could be permanently lost, stolen, destroyed or inaccessible by virtue of, among other things, the loss or theft of the "private keys" necessary to access a product's Digital Asset.
- Investors in funds or products investing or transacting in Digital Assets may not benefit to the same extent (or at all) from "airdrops" with respect to, or "forks" in, a Digital Asset's blockchain, compared to investors who hold Digital Assets directly instead of through a fund or product. Additionally, a "fork" in the Digital Asset blockchain could materially decrease the price of such Digital Asset.
- Digital Assets are not legal tender, and are not backed by any government, corporation or other identified body, other than with respect to certain digital currencies that certain governments are or may be developing now or in the future. No law requires companies or individuals to accept digital currency as a form of payment (except, potentially, with respect to digital currencies developed by certain governments where such acceptance may be mandated). Instead, other than as described in the preceding sentences, Digital Asset products' use is limited to businesses and individuals that are willing to accept them. If no one were to accept digital currencies, virtual currency products would very likely become worthless.
- Platforms that buy and sell Digital Assets can be hacked, and some have failed. In addition, like the platforms themselves, digital wallets can be hacked, and are subject to theft and fraud. As a result,

like other investors have, you can lose some or all of your holdings of Digital Assets.

- Unlike US banks and credit unions that provide certain guarantees of safety to depositors, there are no such safeguards provided to Digital Assets held in digital wallets by their providers or by regulators.

- Due to the anonymity Digital Assets offer, they have known use in illegal activity, including drug dealing, money laundering, human trafficking, sanction evasion and other forms of illegal commerce. Abuses could impact legitimate consumers and speculators; for instance, law enforcement agencies could shut down or restrict the use of platforms and exchanges, limiting or shutting off entirely the ability to use or trade Digital Asset products.

- Digital Assets may not have an established track record of credibility and trust. Further, any performance data relating to Digital Asset products may not be verifiable as pricing models are not uniform.

Investors should be aware of the potentially increased risks of transacting in Digital Assets relating to the risks and considerations, including fraud, theft, and lack of legitimacy, and other aspects and qualities of Digital Assets, before transacting in such assets.

**Asset allocation and diversification** do not assure a profit or protect against loss in declining financial markets. Past performance is no guarantee of future results. Actual results may vary.

**Rebalancing** does not protect against a loss in declining financial markets. There may be a potential tax implication with a rebalancing strategy. Investors should consult with their tax advisor before implementing such a strategy.

Indices are unmanaged and investors cannot directly invest in them. They are not subject to expenses or fees and are often comprised of securities and other investment instruments the liquidity of which is not restricted. A particular investment product may consist of securities significantly different than those in any index referred to herein. Composite index results are shown for illustrative purposes only, generally do not represent the performance of a specific investment, may not, for a variety of reasons, be an appropriate comparison or benchmark for a particular investment and may not necessarily reflect the actual investment strategy or objective of a particular investment. Consequently, comparing an investment to a particular index may be of limited use.

**Artificial intelligence (AI)** is subject to limitations, and you should be aware that any output from an AI-supported tool or service made available by the Firm for your use is subject to such limitations, including but not limited to inaccuracy, incompleteness, or embedded bias. You should always verify the results of any AI-generated output.

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**Variable annuities** are long-term investments designed for retirement purposes and may be subject to market fluctuations, investment risk, and possible loss of principal. All guarantees, including optional benefits, are based on the financial strength and claims-paying ability of the issuing insurance company and do not apply to the underlying investment options. Optional riders may not be able to be purchased in combination and are available at an additional cost. Some optional riders must be elected at time of purchase. Optional riders may be subject to specific limitations, restrictions, holding periods, costs, and expenses as specified by the insurance company in the annuity contract. If you are investing in a **variable annuity** through a tax-advantaged retirement plan such as an IRA, you will get no additional tax advantage from the variable annuity. Under these circumstances, you should only consider buying a variable annuity because of its other features, such as lifetime income payments and death benefits protection. Taxable distributions (and certain deemed distributions) are subject to ordinary income tax and, if taken prior to age 59½, may be subject to a 10% federal income tax penalty. Early withdrawals will reduce the death benefit and cash surrender value.

**Equity securities** may fluctuate in response to news on companies, industries, market conditions and general economic environment.

**Ultrashort-term fixed income** asset class is comprised of fixed income securities with high quality, very short maturities. They are therefore subject to the risks associated with debt securities such as credit and interest rate risk.

**Master Limited Partnerships (MLPs)** are limited partnerships or limited liability companies that are taxed as partnerships and whose interests (limited partnership units or limited liability company units) are traded on securities exchanges like shares of common stock. Currently, most MLPs operate in the energy, natural resources or real estate sectors. Investments in MLP interests are subject to the risks generally applicable to companies in the energy and natural resources sectors, including commodity pricing risk, supply and demand risk, depletion risk and exploration risk. Individual MLPs are publicly traded partnerships that have unique risks related to their structure. These include, but are not limited to, their reliance on the capital markets to fund growth, adverse ruling on the current tax treatment of distributions (typically mostly tax deferred), and commodity volume risk. The potential tax benefits from investing in MLPs depend on their being treated as partnerships for federal income tax purposes and, if the MLP is deemed to be a corporation, then its income would be subject to federal taxation at the entity level, reducing the amount of cash available for distribution to the fund which could result in a reduction of the fund's value. MLPs carry interest rate risk and may underperform in a rising interest rate environment. MLP funds accrue deferred income taxes for future tax liabilities associated with the portion of MLP distributions considered to be a tax-deferred return of capital and for any net operating gains as well as capital appreciation of its investments; this deferred tax liability is reflected in the daily NAV, and, as a result, the MLP fund's after-tax performance could differ significantly from the underlying assets even if the pre-tax performance is closely tracked.

**Investing in commodities** entails significant risks. Commodity prices may be affected by a variety of factors at any time, including but not limited to, (i) changes in supply and demand relationships, (ii) governmental programs and policies, (iii) national and international political and economic events, war and terrorist events, (iv) changes in interest and exchange rates, (v) trading activities in commodities and related contracts, (vi) pestilence, technological change and weather, and (vii) the price volatility of a commodity. In addition, the commodities markets are subject to temporary distortions or other disruptions due to various factors, including lack of liquidity, participation of speculators and government intervention. **Physical precious metals** are non-regulated products. Precious metals are speculative investments, which may experience short-term and long term price volatility. The value of precious metals investments may fluctuate and may appreciate or decline,

depending on market conditions. Unlike bonds and stocks, precious metals do not make interest or dividend payments. Therefore, precious metals may not be appropriate for investors who require current income. Precious metals are commodities that should be safely stored, which may impose additional costs on the investor.

**Environmental, Social and Governance (“ESG”) investments** in a portfolio may experience performance that is lower or higher than a portfolio not employing such practices. Portfolios with ESG restrictions and strategies as well as ESG investments may not be able to take advantage of the same opportunities or market trends as portfolios where ESG criteria is not applied. There are inconsistent ESG definitions and criteria within the industry, as well as multiple ESG ratings providers that provide ESG ratings of the same subject companies and/or securities that vary among the providers. Certain issuers of investments may have differing and inconsistent views concerning ESG criteria where the ESG claims made in offering documents or other literature may overstate ESG impact. ESG designations are as of the date of this material, and no assurance is provided that the underlying assets have maintained or will maintain and such designation or any stated ESG compliance. As a result, it is difficult to compare ESG investment products or to evaluate an ESG investment product in comparison to one that does not focus on ESG. Investors should also independently consider whether the ESG investment product meets their own ESG objectives or criteria. There is no assurance that an ESG investing strategy or techniques employed will be successful. Past performance is not a guarantee or a dependable measure of future results. The companies identified and investment examples are for illustrative purposes only and should not be deemed a recommendation to purchase, hold or sell any securities or investment products. They are intended to demonstrate the approaches taken by managers who focus on ESG criteria in their investment strategy. There can be no guarantee that a client's account will be managed as described herein. **Options** and margin trading involve substantial risk and are not appropriate for all investors. Besides the general investment risk of holding securities that may decline in value and the possible loss of principal invested, **closed-end funds** may have additional risks related to declining market prices relative to net asset values (NAVs), active manager underperformance and potential leverage. Closed-end funds, unlike open-end funds, are not continuously offered. There is a one-time public offering and once issued, shares of closed-end funds are sold in the open market through a stock exchange. Shares of closed-end funds frequently trade at a discount from their NAV which may increase investors' risk of loss. The risk of loss due to this discount may be greater for investors expecting to sell their shares in a relatively short period after completion of the public offering. This characteristic is a risk separate and distinct from the risk that a closed-end fund's net asset value may decrease as a result of investment activities. NAV is total assets less total liabilities divided by the number of shares outstanding. At the time an investor purchases or sells shares of a closed-end fund, shares may have a market price that is above or below NAV. Portfolios that invest a large percentage of assets in only one industry **sector** (or in only a few sectors) are more vulnerable to price fluctuation than those that diversify among a broad range of sectors.

**REITs** investing risks are similar to those associated with direct investments in real estate: property value fluctuations, lack of liquidity, limited diversification and sensitivity to economic factors such as interest rate changes and market recessions. Risks of **private real estate** include: illiquidity; a long-term investment horizon with a limited or nonexistent secondary market; lack of transparency; volatility (risk of loss); and leverage. Principal is returned on a monthly basis over the life of a **mortgage-backed security**. Principal prepayment can significantly affect the monthly income stream and the maturity of any type of MBS, including standard MBS, CMOs and Lottery Bonds. **Asset-backed securities** generally decrease in value as a result of interest rate increases, but may benefit less than other fixed-income securities from declining interest rates, principally because of prepayments.

**Yields** are subject to change with economic conditions. Yield is only one factor that should be considered when making an investment decision.

**Credit ratings** are subject to change.

**Duration**, the most commonly used measure of bond risk, quantifies the effect of changes in interest rates on the price of a bond or bond portfolio. The longer the duration, the more sensitive the bond or portfolio would be to changes in interest rates. The majority of \$25 and \$1000 par **preferred securities** are “callable” meaning that the issuer may retire the securities at specific prices and dates prior to maturity. Interest/dividend payments on certain preferred issues may be deferred by the issuer for periods of up to 5 to 10 years, depending on the particular issue. The investor would still have income tax liability even though payments would not have been received. Price quoted is per \$25 or \$1,000 share, unless otherwise specified. Current yield is calculated by multiplying the coupon by par value divided by the market price. The initial interest rate on a **floating-rate security** may be lower than that of a fixed-rate security of the same maturity because investors expect to receive additional income due to future increases in the floating security's underlying reference rate. The reference rate could be an index or an interest rate. However, there can be no assurance that the reference rate will increase. Some floating-rate securities may be subject to call risk. The market value of **convertible bonds** and the underlying common stock(s) will fluctuate and after purchase may be worth more or less than original cost. If sold prior to maturity, investors may receive more or less than their original purchase price or maturity value, depending on market conditions. Callable bonds may be redeemed by the issuer prior to maturity. Additional call features may exist that could affect yield. Some \$25 or \$1000 par **preferred securities** are QDI (Qualified Dividend Income) eligible. Information on QDI eligibility is obtained from third party sources. The dividend income on QDI eligible preferreds qualifies for a reduced tax rate. Many traditional 'dividend paying' perpetual preferred securities (traditional preferreds with no maturity date) are QDI eligible. In order to qualify for the preferential tax treatment all qualifying preferred securities must be held by investors for a minimum period – 91 days during a 180 day window period, beginning 90 days before the ex-dividend date. Companies paying **dividends** can reduce or cut payouts at any time.



Because of their narrow focus, **sector investments** tend to be more volatile than investments that diversify across many sectors and companies. **Technology stocks** may be especially volatile. Risks applicable to companies in the **energy and natural resources** sectors include commodity pricing risk, supply and demand risk, depletion risk and exploration risk. **Health care sector stocks** are subject to government regulation, as well as government approval of products and services, which can significantly impact price and availability, and which can also be significantly affected by rapid obsolescence and patent expirations. **Nondiversification:** For a portfolio that holds a concentrated or limited number of securities, a decline in the value of these investments would cause the portfolio's overall value to decline to a greater degree than a less concentrated portfolio. Portfolios that invest a large percentage of assets in only one industry sector (or in only a few sectors) are more vulnerable to price fluctuation than those that diversify among a broad range of sectors.

The **indices** are unmanaged. An investor cannot invest directly in an index. They are shown for illustrative purposes only and do not represent the performance of any specific investment. The indices are not subject to expenses or fees and are often comprised of securities and other investment instruments the liquidity of which is not restricted. A particular investment product may consist of securities significantly different than those in any index referred to herein. Comparing an investment to a particular index may be of limited use.

**Growth investing** does not guarantee a profit or eliminate risk. The stocks of these companies can have relatively high valuations. Because of these high valuations, an investment in a growth stock can be more risky than an investment in a company with more modest growth expectations.

**Value investing** does not guarantee a profit or eliminate risk. Not all companies whose stocks are considered to be value stocks are able to turn their business around or successfully employ corrective strategies which would result in stock prices that do not rise as initially expected.

Any type of **continuous or periodic investment plan** does not assure a profit and does not protect against loss in declining markets. Since such a plan involves continuous investment in securities regardless of fluctuating price levels of such securities, the investor should consider his financial ability to continue his purchases through periods of low price levels.

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**South Central Connecticut Regional Water Authority  
Minutes of the December 10, 2024  
Emergency Meeting**

An emergency meeting of the South Central Connecticut Regional Water Authority (“RWA” or “Authority”) took place on Tuesday, December 10, 2024, via remote access. Chair Borowy presided.

**Present:** Authority Members – Messrs. Borowy, Curseaden, Ricozzi, and Mss. LaMarr and Sack  
Management – Ms. Kowalski and Mr. Lakshminarayanan  
Staff – Ms. Slubowski

Chair Borowy called the meeting to order at 7:00 a.m.

**A. BLUE DROP ACQUISITION UPDATE**

At 7:00 a.m., on motion made by Ms. LaMarr and seconded by Mr. Ricozzi, the Authority voted unanimously, as noted below, to convene in executive session pursuant to C.G.S. Section 1-200(6)(E) to discuss matters covered by Section 1-210(b)(5)(A)(B), pertaining to trade secrets and commercial and financial information. Present in executive session were Authority members, Mss. Kowalski and Slubowski, and Mr. Lakshminarayanan.

Borowy	Aye
Curseaden	Aye
LaMarr	Aye
Ricozzi	Aye
Sack	Aye

At 8:20 a.m., the Authority came out of executive session. No votes were taken in executive session.

**B. POSSIBLE CONSIDERATION AND ACTION ASSOCIATED WITH BLUE DROP ACQUISITION**

No vote was necessary.

Chair Borowy stated that the meeting was called to review and discuss new information received from management on Sunday, December 8, 2024 related to the Blue Drop acquisition. The information warranted an emergency meeting in order to react on or before a deadline of Wednesday, December 11, 2024. Due to the nature of the discussion and time constraints to meet the Freedom of Information noticing requirements, the meeting was deemed an emergency meeting. The discussion was held in executive session pursuant to the reasons stated above.

**C. ADJOURN**

At 8:21 a.m., on motion made by Mr. Ricozzi and seconded by Ms. Sack, the Authority voted to adjourn.

Borowy	Aye
Curseaden	Aye
LaMarr	Aye
Ricozzi	Aye
Sack	Aye



Respectfully submitted,

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Catherine E. LaMarr, Secretary

UNAPPROVED

**South Central Connecticut Regional Water Authority  
Minutes of the December 15, 2024  
Emergency Meeting**

An emergency meeting of the South Central Connecticut Regional Water Authority (“RWA” or “Authority”) took place on Sunday, December 15, 2024, via remote access. Chair Borowy presided.

**Present:** Authority Members Present – Messrs. Borowy, Curseaden, Ricozzi, and Ms. LaMarr  
Authority Member Absent – Ms. Sack  
Management – Ms. Kowalski and Mr. Lakshminarayanan  
Staff – Ms. Slubowski

Chair Borowy called the meeting to order at 12:03 p.m. He stated that the meeting was convened due to new information received by management yesterday related to the Blue Drop acquisition, with a deadline of Sunday, December 15, 2024. Due to the nature of the discussion and time constraints to meet the Freedom of Information noticing requirements, the meeting was deemed an emergency. The discussion was held in executive session pursuant to the reasons stated below.

**A. BLUE DROP ACQUISITION UPDATE**

At 12:04 p.m., on motion made by Ms. LaMarr and seconded by Mr. Ricozzi, the Authority voted unanimously, as noted below, to convene in executive session pursuant to C.G.S. Section 1-200(6)(E) to discuss matters covered by Section 1-210(b)(5)(A)(B), pertaining to trade secrets and commercial and financial information. Present in executive session were Authority members, Mss. Kowalski and Slubowski, and Mr. Lakshminarayanan.

Borowy	Aye
Curseaden	Aye
LaMarr	Aye
Ricozzi	Aye
Sack	Absent

At 12:35 p.m., the Authority came out of executive session. No votes were taken in executive session.

**B. POSSIBLE CONSIDERATION AND ACTION ASSOCIATED WITH BLUE DROP ACQUISITION**

Chair Borowy stated that the members discussed commercial business opportunities and received updated information from management. The members reached a consensus on direction; no action was taken.

**C. ADJOURN**

At 12:35 p.m., on motion made by Mr. Ricozzi and seconded by Ms. LaMarr, the Authority voted to adjourn.

Borowy	Aye
Curseaden	Aye
LaMarr	Aye
Ricozzi	Aye
Sack	Absent

Respectfully submitted,

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Catherine E. LaMarr, Secretary

UNAPPROVED

**South Central Connecticut Regional Water Authority  
Minutes of the December 17, 2024  
Emergency Meeting**

An emergency meeting of the South Central Connecticut Regional Water Authority (“RWA” or “Authority”) took place on Tuesday, December 17, 2024, via remote access. Chair Borowy presided.

**Present:** Authority Members Present – Messrs. Borowy, Curseaden, Ricozzi, and Mss. LaMarr and Sack  
Management – Mr. Lakshminarayanan, and Mss. Kowalski and Augur  
Staff – Ms. Slubowski

Chair Borowy called the meeting to order at 8:00 a.m. He stated that the meeting was convened due a commercial transaction update from management. Due to the nature of the information, the update would take place in executive session for the reasons stated below.

**A. BLUE DROP ACQUISITION UPDATE**

At 8:01 a.m., on motion made by Ms. LaMarr and seconded by Mr. Ricozzi, the Authority voted unanimously, as noted below, to convene in executive session pursuant to C.G.S. Section 1-200(6)(E) to discuss matters covered by Section 1-210(b)(5)(A)(B), pertaining to trade secrets and commercial and financial information. Present in executive session were Authority members, Mss. Kowalski, Augur and Slubowski, and Mr. Lakshminarayanan.

Borowy	Aye
Curseaden	Aye
LaMarr	Aye
Ricozzi	Aye
Sack	Aye

At 8:48 a.m., the Authority came out of executive session. No votes were taken in executive session.

**B. POSSIBLE CONSIDERATION AND ACTION ASSOCIATED WITH BLUE DROP ACQUISITION**

No action was taken.

**C. ADJOURN**

At 8:48 p.m., on motion made by Ms. LaMarr and seconded by Ms. Sack, the Authority voted to adjourn.

Borowy	Aye
Curseaden	Aye
LaMarr	Aye
Ricozzi	Aye
Sack	Aye

Respectfully submitted,

\_\_\_\_\_  
Catherine E. LaMarr, Secretary

**South Central Connecticut Regional Water Authority  
Minutes of the December 19, 2024 Meeting**

The regular meeting of the South Central Connecticut Regional Water Authority (“RWA” or “Authority”) took place on Thursday, December 19, 2024, at 90 Sargent Drive, New Haven, and via remote access. Chair Borowy presided.

**Present:**   **Authority Members Present** – Messrs. Borowy, Curseaden and Ricozzi, and Mss. LaMarr and Sack(R)  
                  **Management** – Mss. Kowalski and Calo(R), and Messrs. Lakshminarayanan and Hill  
                  **RPB** – Mr. Malloy  
                  **Staff** – Mrs. Slubowski

**A. CALL TO ORDER AND SAFETY MOMENT**

Chair Borowy called the meeting to order at 12:30 p.m. He reviewed the safety moment distributed to members.

**B. PUBLIC COMMENT**

Chair Borowy offered the opportunity for members of the public to comment. There were no members of the public present at the meeting.

**C. AUDIT-RISK COMMITTEE**

At 12:31 p.m., on motion made Mr. Ricozzi and seconded by Ms. LaMarr, the Authority voted to recess the meeting to meet as the Audit-Risk Committee.

Borowy	Aye
Curseaden	Absent
LaMarr	Aye
Ricozzi	Aye
Sack	Aye

At 12:34 p.m., the Authority reconvened.

**D. CONSENT AGENDA**

On motion made by Ms. LaMarr and seconded by Mr. Ricozzi, the Authority voted to approve, adopt, or receive as appropriate the following items in the Consent Agenda:

- D.1.** Minutes of the November 21, 2024 meeting.
- D.2.** Approved the Capital Budget Authorization for January 2025.

**RESOLVED**, that the Senior Vice President, Chief Financial Officer & Head of Corporate Development is authorized to submit to the Trustee one or more requisitions in an aggregate amount not to exceed \$7,250,000 for the month of January 2025 for transfer from the Construction Fund for capital expenditures. Each such requisition shall contain or be accompanied by a certificate identifying such requisition and stating that the amount to be withdrawn pursuant to such requisition is a proper charge to the Construction Fund. Such requisitions are approved notwithstanding the fact that amounts to be withdrawn for a particular project may exceed the amount indicated for such month and year in the current Capital Improvement Budget but will not cause the aggregate

amount budgeted for fiscal year 2024 for all Capital Improvement Projects to be exceeded. In the absence of the Senior Vice President, Chief Financial Officer & Head of Corporate Development, the Controller is authorized to sign in her place.

- D.3.** Capital Budget Transfer Notifications for January 2025.
- D.4.** Accounts Receivable update for the period ended November 2024.
- D.5.** Key Performance Indicators.
- D.6.** RPB Quarterly Dashboard Report.
- D.7.** Environmental, Health & Safety Committee 2025 Workplan.
- D.8.** Administrative Resolutions regarding change to prior authorizations:

**WHEREAS**, Larry L. Bingaman, former President and Chief Executive Officer of the Authority, died unexpectedly on November 15, 2024; and

**WHEREAS**, the Authority desires to appoint Sunder Lakshminarayanan, Interim President and Chief Executive Officer of the Authority, effective December 2, 2024; and

**WHEREAS**, Sunder Lakshminarayanan will continue to have the duties and responsibilities of his current position of Vice President of Engineering and Environmental Services; and

**WHEREAS**, the Vice President and Chief Financial Officer of the Authority has been authorized to perform certain functions, take such actions and execute and deliver certain documents or instruments by resolution of the Authority (the "Resolutions"); and

**WHEREAS**, the duties and responsibilities of the Vice President and Chief Financial Officer have been transferred to the Senior Vice President, Chief Financial Officer and Head of Corporate Development of the Authority, effective December 2, 2024; and

**WHEREAS**, the Authority wants to amend its prior Resolutions to substitute the Senior Vice President, Chief Financial Officer and Head of Corporate Development of the Authority for the Vice President and Chief Financial Officer, effective December 2, 2024.

**NOW THEREFORE**, be it resolved that (1) Sunder Lakshminarayanan is hereby appointed Interim President and Chief Executive Officer of the Authority, effective December 2, 2024 in addition to his continuing service as Vice President of Engineering and Environmental Services; and (2) all prior Resolutions of the Authority which authorize the Vice President and Chief Financial Officer of the Authority to perform certain functions, to take such actions or to execute and deliver documents or instruments are hereby amended, as of December 2, 2024 to replace the Vice President and Chief Financial Officer of the Authority with the Senior Vice President, Chief Financial Officer and Head of Corporate Development of the Authority and authorizes the Senior Vice President, Chief Financial Officer and Head of Corporate Development of the Authority to perform such duties or functions, to take such actions or to execute and deliver such documents and instruments as set forth in the Resolutions.

- D.9.** 2025 Legislative Outlook memorandum.

Borowy	Aye
Curseaden	Absent

LaMarr	Aye
Ricozzi	Aye
Sack	Aye

## E. FINANCE

### E.1. QUARTERLY FINANCIAL REPORT

Ms. Kowalski, the RWA's Senior Vice President, Chief Financial Officer & Head of Corporate Development, reviewed the quarterly financial report for the 2<sup>nd</sup> quarter of FY 2025, which included:

- Balance Sheet
- Revenues, expenses, and changes in net position
- Operating and maintenance expenses and key variances
- FY 2025 capital expenditures and projections
- Investment earnings report
- 

At 12:42 p.m., Mr. Curseaden entered the meeting.

### E.2. TYPE B3 AMENDMENT

Ms. Kowalski noted that authorization is being requested for the Lead Service Line replacement, which is driven by vacuum excavations that have been completed. She reported that the project is eligible for up to a 75% grant and is expected to close by the end of the fiscal year.

At 1:12 p.m., Ms. Sack withdrew from the meeting.

Mr. Curseaden moved for approval of the following resolution, as presented:

**RESOLVED** that the Authority approves the below transfers to the Lead Line Service Line Replacements project:

Amendment No. 25-14: transfer \$445,000 from the Filter Media Replacement project; and

Amendment No. 25-15: transfer \$800,000 from the Lake Gaillard Water Treatment Plant Filter Underdrain Replacement project; and

Amendment No. 25-16: transfer \$700,000 from the Lake Gaillard Water Treatment Plant Local Control Console Upgrade project; and

Amendment No. 25-17: transfer \$275,000 from the Lake Gaillard Water Treatment Plant Roof Replacement project; and

Amendment No. 25-18: transfer \$250,000 from the Peat Swamp Dam Modifications project; and

Amendment No. 25-19: transfer \$250,000 from the West River Water Treatment Plant Salt Storage project; and

Amendment No. 25-20: transfer \$400,000 from the York Hill Tank Painting & Stairs project; and

Amendment No. 25-21: transfer \$300,000 from the Spring Street Pump Station Replacement project; and

Amendment No. 25-22: transfer \$190,350 from the Motor Control Center Replacements project; and

Amendment No. 25-23: transfer \$30,000 from the Treatment Plant Buried Valve Improvements project.

Discussion took place regarding effect of transfers on other projects. After discussion, it was determined that the proposed transfer would not have any adverse effect on the other projects.

Ms. LaMarr seconded the motion. The Chair called for the vote, and the resolution was unanimously approved:

Borowy	Aye
Curseaden	Aye
LaMarr	Aye
Ricozzi	Aye
Sack	Absent

### **E.3. CONSIDER AND ACT ON PROJECT LOAN OBLIGATION & SUBSIDY FOR THE LAKE GAILLARD WATER TREATMENT PLANT CLARIFIERS**

Ms. Kowalski reported on the final resolutions for the Project Loan Obligation and Subsidy Lake Gaillard Water Treatment Plant Clarifiers. She highlighted that the project loan will be lower than anticipated due to an expected grant of \$1.5 million.

After discussion, Mr. Ricozzi moved for approval of the following resolutions:

**WHEREAS**, on December 16, 2021 the Authority adopted and on March 24, 2022 the Representative Policy Board (the “RPB”) approved the resolutions to approve the Lake Gaillard Clarifier Project (as defined below) and established the general terms and provisions of the Authority’s bonds which may be issued as project loan obligations in one or more series delivered to the State of Connecticut (the “State”) in the aggregate principal amount not to exceed \$7,000,000 (the “Bonds”) to finance or refinance the construction cost of the Lake Gaillard Water Treatment Plant Clarifier Project; and to pay the costs of issuance of the Bonds and associated reserves ( the “Lake Gaillard Clarifier Project”); and

**WHEREAS**, the Authority wishes to provide for the issuance, sale and delivery of the Authority’s Bonds issued as a project loan obligation (the “PLO”) to be delivered to the State for the Lake Gaillard Clarifier Project and approve the Project Loan and Subsidy Agreement by and between the State and the Authority related to the Lake Gaillard Clarifier Project (the “Loan Agreement”).

**NOW THEREFORE, BE IT RESOLVED**, that the President/Chief Executive Officer and the Senior Vice President, Chief Financial Officer & Head of Corporate Development and any one of them may apply to the State Department of Public Health for eligibility and funding of the Lake Gaillard Clarifier Project and sign such applications and any other documents which may be necessary or desirable to apply for eligibility of and to apply for and obtain financial assistance for the Lake Gaillard Clarifier Project from the State’s Drinking Water Fund Program and that any such action taken prior hereto is hereby ratified and confirmed; and

**BE IT FURTHER RESOLVED**, that the Chairperson or Vice Chairperson and President/Chief Executive Officer or Senior Vice President, Chief Financial Officer & Head of Corporate Development be authorized (i) to issue, sell and deliver the PLO in a total amount not to exceed



\$7,000,000, and (ii) to determine the principal amount, date, date of maturity, interest rate, form and other details of the PLO, pursuant to the Act and the General Bond Resolution or any other provisions of law thereto enabling; and

**BE IT FURTHER RESOLVED**, that the Authority hereby approves the Supplemental Resolution authorizing the issuance of the PLO substantially in the form attached hereto as Exhibit A, with such changes, omissions, insertions and revisions as the Chairperson or Vice Chairperson and President/Chief Executive Officer or Senior Vice President, Chief Financial Officer & Head of Corporate Development shall deem advisable and which shall be as set forth in one or more Certificates of Determination attached thereto; and

**BE IT FURTHER RESOLVED**, that for the purposes of providing to the Authority the loan and grant from the State, the Authority hereby approves the Loan Agreement substantially in the form as the President/Chief Executive Officer or Senior Vice President, Chief Financial Officer & Head of Corporate Development shall deem advisable and the approval of the Authority shall conclusively be determined from any of their signatures thereon; and

**BE IT FURTHER RESOLVED**, that the Chairperson, Vice Chairperson, President/Chief Executive Officer and Senior Vice President, Chief Financial Officer & Head of Corporate Development, or any one of them, are hereby authorized to execute and deliver such documents as may be necessary or desirable to issue and deliver the PLO, including but not limited to, the Loan Agreement, and to take such actions or to designate other officials or employees of the Authority to take such actions and execute such documents in connection with the issuance, sale and delivery of the PLO as are determined necessary or advisable and in the best interests of the Authority and that the execution of such documents shall be conclusive evidence of such determination; and

**BE IT FURTHER RESOLVED**, that the Chairperson, Vice Chairperson, President/Chief Executive Officer or Senior Vice President, Chief Financial Officer & Head of Corporate Development, or any one of them are hereby authorized to accept such grants from the State for the Lake Gaillard Clarifier Project as set forth in the Loan Agreement and to apply the proceeds of the grant to the Lake Gaillard Clarifier Project, as applicable.

Ms. LaMarr seconded the motion. The Chair called for the vote, and the resolutions were unanimously approved:

Borowy	Aye
Curseaden	Aye
LaMarr	Aye
Ricozzi	Aye
Sack	Absent

On motion made by Mr. Ricozzi and seconded by Ms. LaMarr, the Authority voted to approve the Project Loan Obligation Supplemental Resolutions associated with the Lake Gaillard Clarifier Project, substantially as attached hereto as Attachment 1.

Borowy	Aye
Curseaden	Aye
LaMarr	Aye
Ricozzi	Aye
Sack	Absent

## **F. ELECT OFFICERS FOR CALENDAR YEAR 2025, NOT INCLUDING CHAIR**

The Chair stated it would be appropriate to elect Authority officers, not including the board Chair, for the 2025 calendar year. Mr. Ricozzi moved for adoption of the following resolutions:

**RESOLVED**, that Mr. Curseaden, be re-elected as Vice Chair for a one-year term effective January 1, 2025, and until a successor is elected and has qualified; and

**FURTHER RESOLVED**, that Ms. LaMarr, be re-elected as Secretary/Treasurer for a one-year term effective January 1, 2025, and until a successor is elected and has qualified.

Mr. Borowy seconded the motion, the Chair called for the vote:

Borowy	Aye
Curseaden	Aye
LaMarr	Aye
Ricozzi	Aye
Sack	Absent

## **G. RPB COMMITTEE ASSIGNMENTS AND REPORTS ON RPB COMMITTEE MEETINGS**

Authority members reported on recent Representative Policy Board (“RPB”) committee meetings and assignments were made for the first quarter 2025 RPB Committee meetings.

## **H. UPDATES**

### **H.1. RWAY/CIS UPDATE**

Mr. Lakshminarayanan, the RWA’s Interim President & Chief Executive Officer, and Ms. Kowalski provided an RWAY/Customer Information System Update, which included:

- Go live date
- Highlights
- Monitoring
- Contingency plans
- Data cleansing

### **H.2. MONTHLY BUSINESS HIGHLIGHTS**

Mr. Lakshminarayanan:

- Reported that the RWA’s commercial business is progressing. He commented on a meeting earlier in the month to discuss a food refinery in the New Haven area. The RWA is partnering with AdvanceCT and information on our economic development rate has been provided.
- Stated that he and Jim Hill, the RWA’s General Manager and Head of Operations, met with a group specializing in nanofiltration and activated carbon, who are interested in initiating a pilot project. Discussions continue to take place to explore potential collaboration and commercial opportunities.
- Discussed the RWA’s partnership with ClimateHaven and the plaque that was presented to RWA. The Climate Haven and RWA are developing a draft framework for water innovation. Once the final version is completed, Mr. Lakshminarayanan will present it to the board.

At 1:54 p.m., Mr. Malloy withdrew from the meeting and Ms. Sack entered the meeting.

[BREAK FROM 1:55 P.M. TO 2:05 P.M.]

### **H.3. BLUE DROP UPDATE**

At 2:05 p.m., Mr. Malloy withdrew from the meeting and on motion made by Mr. Curseaden and seconded by Mr. Ricozzi, the Authority voted to go into executive session to discuss matters pursuant to C.G.S. 1-200(6)(E) for matters covered by Section 1-210(b)(5)(A)(B), pertaining to trade secrets and commercial and financial information. Present in executive session were Authority members, Messrs. Lakshminarayanan and Hill, and Mss. Kowalski, Calo and Slubowski.

Borowy	Aye
Curseaden	Aye
LaMarr	Aye
Ricozzi	Aye
Sack	Aye

At 2:35 p.m., the Authority reconvened. No votes were taken in, or as a result of executive session.

Chair Borowy stated that it would be appropriate to move the personnel discussion after the Commercial Business Committee. It was the consensus of the Authority to move Item I, *Personnel Discussion*, after Item J, *Commercial Business Committee*.

### **J. COMMERCIAL BUSINESS COMMITTEE**

At 2:35 p.m., on motion made Mr. Curseaden and seconded by Ms. LaMarr, the Authority voted to recess the meeting to meet as the Commercial Business Committee.

Borowy	Aye
Curseaden	Aye
LaMarr	Aye
Ricozzi	Aye
Sack	Aye

At 3:17 p.m., the Authority reconvened.

### **I. PERSONNEL DISCUSSION**

At 3:18 p.m., Mr. Hill withdrew from the meeting and on motion made by Mr. Curseaden and seconded by Mr. Ricozzi, the Authority voted to go into executive session to discuss matters pursuant to C.G.S. 1-200(6)(A), pertaining to personnel matters. Present in executive session were Authority members, Messrs. Lakshminarayanan and Hill, and Mss. Kowalski, Calo and Slubowski.

Borowy	Aye
Curseaden	Aye
LaMarr	Aye
Ricozzi	Aye
Sack	Aye

At 3:40 p.m., the Authority reconvened.

On motion made by Ms. LaMarr and seconded by Mr. Curseaden, the Authority voted unanimously to approved bonuses as discussed in executive session.

Borowy	Aye
Curseaden	Aye
LaMarr	Aye
Ricozzi	Aye
Sack	Aye

**J. ACT ON MATTERS ARISING FROM COMMITTEE MEETINGS**

There were no actions as a result of the Audit-Risk Committee or the Commercial Business Committee.

Chair Borowy wished everyone a Happy Holiday and New Year.

At 3:40 p.m., the Authority reconvened. On motion made by Mr. Ricozzi and seconded by Mr. Curseaden, the Authority voted to adjourn the meeting.

Borowy	Aye
Curseaden	Aye
LaMarr	Aye
Ricozzi	Aye
Sack	Aye

UNAPPROVED

Respectfully submitted,

---

Catherine E. LaMarr, Secretary

Attachments:


1. Project Loan Obligation Supplemental Resolutions for the Lake Gaillard Clarifier Project.

(R) = Attended remotely.

South Central Connecticut Regional Water Authority  
90 Sargent Drive, New Haven, Connecticut 06511-5966 203-562-4020  
<http://www.rwater.com>

**MEMORANDUM**

**TO:** David J. Borowy  
Kevin J. Curseaden  
Catherine E. LaMarr  
Mario Ricozzi  
Suzanne C. Sack

**FROM:** Rochelle Kowalski  
 Senior Vice President, Chief Financial Officer & Head of Corporate Development

**DATE:** January 17, 2025

**SUBJECT:** Capital budget authorization request for February 2025

Attached for your meeting on January 23, 2025, is a copy of the resolution authorizing expenditures against the capital improvement budget for February 2025. The amount of the requested authorization, for funds held by the trustee, is \$4,700,000.

This would result in projected expenditures through February 2025 of \$36,852,550 or 61.2% of the total 2025 fiscal year capital budget, including State and Redevelopment.

Attachment

**RESOLVED** That the Senior Vice President, Chief Financial Officer & Head of Corporate Development is authorized to submit to the Trustee one or more requisitions in an aggregate amount not to exceed \$4,700,000 for the month of February 2025 for transfer from the Construction Fund for capital expenditures. Each such requisition shall contain or be accompanied by a certificate identifying such requisition and stating that the amount to be withdrawn pursuant to such requisition is a proper charge to the Construction Fund. Such requisitions are approved notwithstanding the fact that amounts to be withdrawn for a particular project may exceed the amount indicated for such month and year in the current Capital Improvement Budget but will not cause the aggregate amount budgeted for fiscal year 2025 for all Capital Improvement Projects to be exceeded. In the absence of the Senior Vice President, Chief Financial Officer & Head of Corporate Development, the Controller is authorized to sign in her place.

**REGIONAL WATER AUTHORITY**  
**REVIEW OF FINANCIAL DATA**  
**Dec 31, 2024 (FY 2025)**

**STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET POSITION**

**Operating Revenues**

FY25 revenue for water, including wholesale and fire service, is under budget by \$663k (approx. 0.8%).  
 Metered water revenue is under budget by \$956k (approx. 1.3%)

Total net other revenue is \$1,369k over budget due to other water and proprietary revenue being higher than budget.

**Operating Expenses**

Operating and Maintenance Expenses are currently under budget due to the following:

	<b>Dec-24</b>
Payroll is under budget primarily due to head count under runs and O&M/non-O&M mix.	\$ (755,000)
Employee Benefits are under budget primarily due OPEB reimbursement being higher than budgeted and O&M/non-O&M mix.	(89,000)
Transportation is under budget primarily due to diesel fuel expense, vehicle insurance, and O&M/non-O&M mix.	(88,000)
Utilities & Fuel is under budget primarily due to timing of the sewer use charges.	(59,000)
Pump Power is over budget primarily due to CT statutory charges not anticipated in budget.	466,000
Chemicals Expense is under budget primarily due to timing.	(88,000)
Collection Expense is under budget due to lower year-to-date attorney fees and bank fees.	(132,000)
Business Improvement is under budget primarily due to timing.	(133,000)
Outside Services is under budget across multiple areas.	(276,000)
Training and continued education is under budget primarily due to timing.	(121,000)
Environmental Affairs is over budget primarily due to environmental protection and compliance.	50,000
Info. Technology Licensing & Maintenance Fees are under budget primarily due to timing.	(277,000)
Maintenance & Repairs are under budget across multiple areas.	(391,000)
All Other	<u>(212,000)</u>
<b><u>Interest Income</u></b>	<b>(2,105,000)</b>
Interest Income is above budget primarily due to higher investment earnings.	

**PROJECTED MAINTENANCE TEST**

The projected coverage is 1.19 with no shortfall.

**REGIONAL WATER AUTHORITY  
STATEMENTS OF REVENUES, EXPENSES AND CHANGES IN NET POSITION  
FOR THE MONTHS ENDING DEC 31, 2024**

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	<b>FY 2024 Actual</b>	<b>FY 2025 Budget</b>	<b>FY 2025 Actual</b>	<b>(Under)Over Budget</b>
<b>Operating revenues</b>				
Metered water revenues	\$ 70,136	\$ 72,781	\$ 71,824	\$ (956)
Fire service	7,970	7,884	8,044	160
Wholesale	605	524	658	134
Other revenue - water	2,755	2,504	3,376	871
Other revenue - proprietary	6,777	7,290	9,857	2,567
Total operating revenues	<u>88,242</u>	<u>90,983</u>	<u>93,759</u>	<u>2,775</u>
<b>Operating expenses</b>				
Operating and maintenance expense	37,622	42,030	39,924	(2,105)
Expense associated with other revenue - water	1,290	1,231	1,915	684
Expense associated with other revenue - proprietary	2,287	2,965	4,350	1,385
Provision for uncollectible accounts		292	130	(162)
Depreciation	14,177	15,167	15,169	3
Payment in lieu of taxes	5,288	5,472	5,282	(190)
Amortization Pension Outflows/Inflows	793	127	127	0
Amortization OPEB Outflows/Inflows	(525)	(333)	(333)	(0)
Total operating expenses	<u>60,932</u>	<u>66,950</u>	<u>66,565</u>	<u>(385)</u>
Operating income	<u>27,310</u>	<u>24,033</u>	<u>27,194</u>	<u>3,162</u>
<b>Nonoperating income and (expense)</b>				
Interest income	6,382	4,718	6,178	1,460
(Loss) Gain on disposal of assets	(16)	(333)	539	872
Realized and unrealized (losses) gains on investments			-	-
Interest expense	(12,850)	(12,446)	(12,440)	6
Amortization of bond discount, premium, issuance cost and deferred losses	1,681	1,662	1,647	(15)
Amortization of Goodwill			-	-
Intergovernmental revenue	441		-	-
Contributions to related entities	(2,095)		-	-
Total nonoperating income and (expense) before capital contributions	<u>(6,457)</u>	<u>(6,400)</u>	<u>(4,076)</u>	<u>2,324</u>
Income (expense) before contributions	<u>20,853</u>	<u>\$ 17,633</u>	<u>23,118</u>	<u>\$ 5,486</u>
<b>Capital contributions</b>				
Change in net assets	586		1,680	
Total net assets - beginning of fiscal year	21,438		24,798	
Total net assets - end of reporting month	<u>283,121</u>		<u>322,165</u>	
	<u>304,559</u>		<u>\$ 346,962</u>	

	<b>Budget</b>	<b>Projected</b>	<b>(Under)Over</b>
	<b>FY 2025</b>	<b>FY 2025</b>	<b>FY 2025</b>
	<b>@114%</b>	<b>@114%</b>	<b>@114%</b>
<b>FY 2025 MAINTENANCE TEST</b>			
<b>(Budget vs. Projected)</b>			
<b>Revenue Collected:</b>			
Water sales	130,838	130,451	(387)
Interest Income	4,028	4,928	900
BABs Subsidy	644	644	-
Other Net	9,093	10,448	1,370
Common Non-Core	(390)	(390)	-
Total	<u>144,213</u>	<u>146,080</u>	<u>1,883</u>
<b>Less:</b>			
Operating and maintenance expenses	(71,610)	(71,610)	-
Depreciation	(9,000)	(9,729)	(729)
PILOT (A)	(9,295)	(8,970)	325
Net Avail for Debt Service (B)	<u>\$ 54,308</u>	<u>\$ 55,771</u>	<u>\$ 1,464</u>
Debt Service Payments (C)	<u>\$ 47,638</u>	<u>46,803</u>	<u>\$ (835)</u>
Debt Service @ 114% (D)	<u>\$ 54,307</u>	<u>53,356</u>	<u>\$ (952)</u>
Difference (B-D)	<u>\$ 0</u>	<u>\$ 2,416</u>	
RSF, Growth and/or General Fund (D)	-		
Coverage	<u>114%</u>	<u>119%</u>	



**REGIONAL WATER AUTHORITY  
OPERATING AND MAINTENANCE EXPENSE  
DEC 31, 2024**

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**PERIOD ENDING DEC 31, 2024**

	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2025</b>	<b>(Under)</b>
	<b>Actual</b>	<b>Budget</b>	<b>Actual</b>	<b>Over</b>
1 Payroll	\$ 14,596	\$ 15,970	\$ 15,215	\$ (755)
2 Employee Benefits	4,437	4,913	4,825	(89)
Pension Contributions	2,251	1,686	1,686	0
3 Administrative Building	570	626	673	47
4 General & Administrative	963	1,010	960	(49)
5 Transportation	415	604	517	(88)
6 Tools & Stores	210	233	242	9
7 Utilities & Fuel	947	1,205	1,146	(59)
8 Material From Inventory	149	205	177	(29)
9 Pump Power Purchased	1,610	1,992	2,458	466
10 Chemicals	2,335	2,181	2,093	(88)
11 Road Repairs	80	175	134	(41)
14 Postage	34	406	412	6
15 Printing & Forms	27	43	16	(27)
17 Collection Expense	547	716	584	(132)
18 Business Improvement	162	318	185	(133)
19 Public/Customer Information	127	149	117	(32)
20 Outside Services	2,421	2,804	2,528	(276)
21 Insurance Premiums	1,085	1,196	1,165	(31)
22 Worker's Compensation, pre-Churchill	19	27	29	2
23 Damages	35	41	28	(13)
24 Training & Cont. Education	201	412	292	(121)
25 Authority Fees	75	102	82	(20)
26 Consumer Counsel	22	35	42	7
27 RPB Fees	60	112	123	11
28 Organizational Dues	84	76	61	(15)
29 Donations	24	26	34	7
34 Central Lab/Water Quality	170	232	186	(46)
40 Environmental Affairs	52	85	136	50
44 Info. Technology Licensing & Maintenance Fees	1,784	2,045	1,768	(277)
45 Maintenance and Repairs	1,991	2,267	1,876	(391)
46 Regulatory Asset Amortization	136	136	136	(0)
	<u>\$ 37,622</u>	<u>\$ 42,030</u>	<u>\$ 39,924</u>	<u>\$ (2,105)</u>

**South Central Regional Water Authority**

**Analysis of Accounts Receivable ("A/R")**

**(\$000 omitted)**

**Total Accounts Receivable Aging (in days)**

	Dec 2024	Nov 2024	Oct 2024	Sept 2024	Aug 2024	July 2024	June 2024 (Note 1)	May 2024	April 2024	March 2024	Feb 2024	Jan 2024	Dec 2023
Under 30	\$ 5,783	\$ 7,750	\$ 6,623	\$ 7,906	\$ 6,780	\$ 6,741	\$ 8,290	\$ 5,677	\$ 5,625	\$ 6,085	\$ 6,386	\$ 6,231	\$ 6,728
31-60	1,562	1,703	1,894	1,758	1,274	1,461	1,775	1,212	1,279	1,336	1,316	1,411	1,976
61-90	675	808	624	617	840	547	715	665	640	628	740	665	935
91-180	1,156	1,058	1,028	1,022	902	1,038	1,128	1,071	1,017	1,248	1,357	1,349	1,168
181-360	968	910	1,033	1,096	1,208	1,153	1,170	1,072	1,143	1,173	1,109	1,217	1,208
More than 1 year	3,432	3,504	3,423	3,477	3,758	3,476	3,530	3,557	4,089	4,207	4,273	4,385	4,462
Sub Total	13,576	15,733	14,625	15,876	14,762	14,416	16,608	13,254	13,793	14,677	15,181	15,258	16,477
Interest due	1,454	1,524	1,524	1,558	1,574	1,598	1,609	1,611	1,673	1,694	1,680	1,704	1,691
Total Gross A/R plus interest	\$ 15,030	\$ 17,257	\$ 16,149	\$ 17,434	\$ 16,336	\$ 16,014	\$ 18,217	\$ 14,865	\$ 15,466	\$ 16,371	\$ 16,861	\$ 16,962	\$ 18,168

**Aged Accounts Receivable Focus of Collection Efforts**

Greater than 60 days:	Dec 2024	Nov 2024	Oct 2024	Sept 2024	Aug 2024	July 2024	June 2024 (Note 1)	May 2024	April 2024	March 2024	Feb 2024	Jan 2024	Dec 2023
A/R	\$ 7,492	\$ 7,625	\$ 7,439	\$ 7,577	\$ 8,095	\$ 7,613	\$ 7,952	\$ 7,771	\$ 8,356	\$ 8,736	\$ 8,940	\$ 9,211	\$ 9,249
Less: Multi-Tenants	(1,563)	(1,478)	(1,417)	(1,469)	(1,482)	(1,423)	(1,633)	(1,673)	(1,725)	(1,767)	(1,852)	(2,044)	(2,061)
Receiverships***	(1,952)	(2,002)	(2,040)	(1,824)	(2,120)	(2,175)	(2,198)	(2,174)	(2,144)	(2,157)	(2,121)	(2,308)	(2,089)
Liens	(1,842)	(1,865)	(1,911)	(1,929)	(2,058)	(1,789)	(1,696)	(1,644)	(1,731)	(1,664)	(1,734)	(1,741)	(1,740)
Total	\$ 2,135	\$ 2,280	\$ 2,071	\$ 2,355	\$ 2,435	\$ 2,226	\$ 2,425	\$ 2,280	\$ 2,756	\$ 3,148	\$ 3,233	\$ 3,118	\$ 3,359
	28%	30%	28%	31%	30%	29%	30%	29%	33%	36%	36%	34%	36%

**Collection Efforts**

	Dec 2024	Nov 2024	Oct 2024	Sept 2024	Aug 2024	July 2024	June 2024 (Note 1)	May 2024	April 2024	March 2024	Feb 2024	Jan 2024	Dec 2023
Shuts *	\$ 31	\$ 33	\$ 55	\$ 51	\$ 63	\$ 49	\$ 57	\$ 68	\$ 71	\$ 96	\$ 120	\$ 136	\$ 70
Red Tags **	-	-	-	-	-	-	-	-	-	-	-	-	-
Receivers	27	46	95	53	114	81	55	44	54	18	45	63	41
Top 100 Collection Calls	-	-	-	-	-	-	-	25	37	76	6	485	103
Other <sup>(1)</sup>	948	842	1,017	988	829	978	810	917	1,175	966	956	541	917
Total	\$ 1,006	\$ 921	\$ 1,167	\$ 1,092	\$ 1,006	\$ 1,108	\$ 922	\$ 1,054	\$ 1,337	\$ 1,156	\$ 1,127	\$ 1,225	\$ 1,131

\* Number of shuts

\*\* Number of Red tags

## RPB COMMITTEE MEETINGS

Month	Meeting	Will Attend
<b>*January 2025</b>	<i>Finance Committee</i> Monday, Jan. 13 at 5:00 p.m.	Catherine
	<i>Land Use Committee</i> Wednesday, Jan. 8 at 5:30 p.m.	Mario
	<i>Consumer Affairs Committee</i> Monday, Jan. 27 at 5:30 p.m.	Kevin
	<i>Executive Committee</i> Wednesday, Jan. 15 at 5:00 p.m.	N/A
<b>*February 2025</b>	<i>Finance Committee</i> Monday, Feb. 10 at 5:00 p.m.	Mario
	<i>Land Use Committee</i> Wednesday, Feb. 12 at 5:30 p.m.	Kevin
	<i>Consumer Affairs Committee</i> Monday, Feb. 24 at 5:30 p.m.	Catherine
<b>*March 2025</b>	<i>Finance Committee</i> Monday, Mar. 10 at 5:00 p.m.	Kevin
	<i>Land Use Committee</i> Wednesday, Mar. 12 at 5:30 p.m.	Catherine
	<i>Consumer Affairs Committee</i> Monday, Mar. 17 at 5:30 p.m.	Mario

**\*FYI – All meetings are hybrid.**

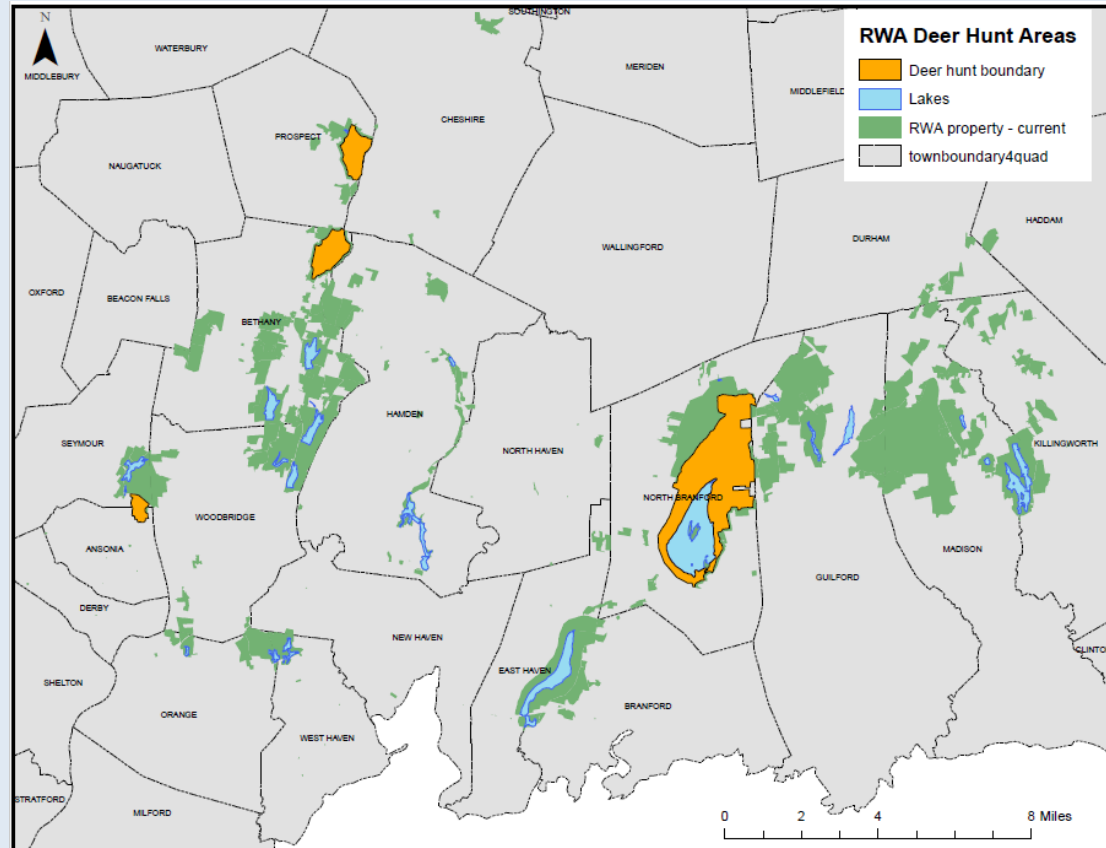
**Presentation to the Five Member Authority  
Review & Summary  
of the  
2024 Controlled Archery Hunt**



**Nicole Smith  
Natural Resources Analyst**

# Deer Hunting on 4,327 Acres

Property	Acres	Start
Lake Gaillard (NB)	3233	2009
Ansonia/Seymour	154	2014
Bethany	520	2015
Prospect	420	2015





# Reducing Deer Density

- Enhances forest regeneration
- Controls erosion and locks up nutrients that can fuel algal blooms in reservoirs



# Hunting Season Overview 2024

- 360 applications mailed
- 188 participants after returned applications, attending/passing proficiency test and safety meeting attendance
  - North Branford -135 ; Bethany - 25; Prospect - 20 and Ansonia/Seymour – 8
- 10 days of scouting from 10/5/2024 to 10/14/2024
- 30 Days of Hunting from 10/28/2024 – 11/30/2024, no Sunday hunting
- **40 deer harvested: 22 bucks, 18 does**
- Surveys due, Friday January 31, 2025
- Two deer check stations (Lake Gaillard & Bethany) staffed by 53 volunteers.
- No accidents or injuries

t Program - Check Station Form - Bethany  
Check Station Volunteer(s) [REDACTED] permit # 3  
540 RAIN

Permit #	Time	Doe	Buck	Pts.	Notes (area harvested, et





# Hunting Season Estimated Effort Brief Summary 2024

Surveys due Friday, January 31, 2025

Results - 20% return rate of surveys so far Total Hunting Hours = 1,429.5

Properties	Surveys Returned	Total Hunting Hours
North Branford- Gaillard	26	1018
Bethany	4	136
Prospect	7	262.5
Ansonia/Seymour	1	13.5





# RWA 2024 Deer Hunt Permits and Harvest Amounts

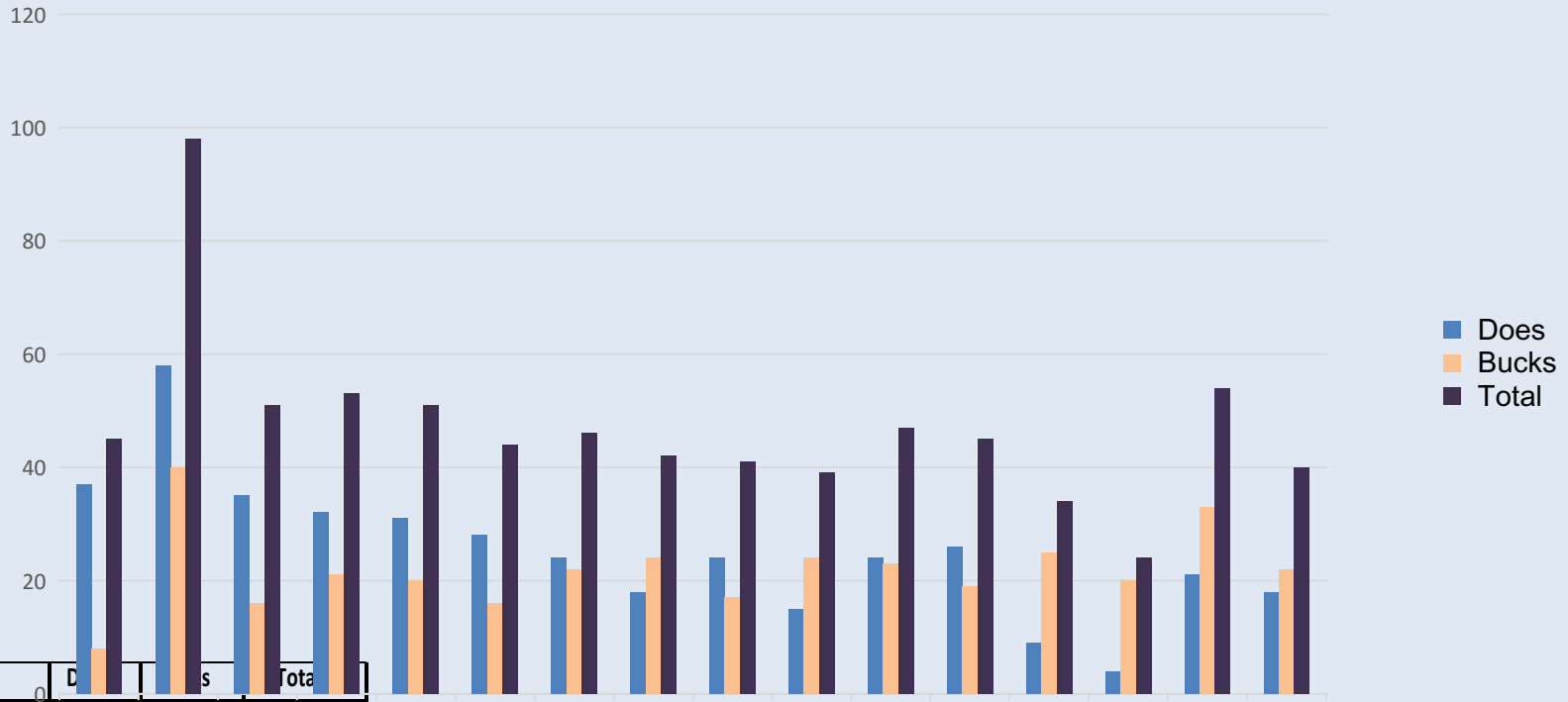
2024 Deer Harvest by Area				
Location	Permits	Doe	Buck	Total
North Branford	135	15	14	29
Prospect	20	3	5	8
Bethany	25	0	2	2
Seymour/Ansonia	8	0	1	1
<b>Totals</b>	<b>188</b>	<b>18</b>	<b>22</b>	<b>40</b>

# 2024 Harvest Totals

2024 Deer Harvest by Area				
Location	Permits	Doe	Buck	Total
North Branford	135	15	14	29
Prospect	20	3	5	8
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Seymour/Ansonia	8	0	1	1
<b>Totals</b>	<b>188</b>	<b>18</b>	<b>22</b>	<b>40</b>

Total Deer by Sex Harvested Past 6 Hunts				
Year	Permits	Doe	Buck	Total
2024	188	18	22	40
2023	164	21	33	54
2022	182	4	20	24
2021	205	9	25	34
2020	180	26	19	45
2019	168	24	23	47

# Total Deer Harvested Since 2009



■ Does  
■ Bucks  
■ Total

Year	Does	Bucks	Total
2009	37	9	46
2010	58	40	98
2011	35	16	51
2012	32	21	53
2013	31	20	51
2014	28	16	44
2015	24	22	46
2016	18	24	42
2017	24	17	41
2018	15	24	39
2019	24	23	47
2020	26	19	45
2021	9	25	34
2022	4	20	24
2023	21	33	54
2024	18	22	40

# Final Thoughts

**We have reached the 16th year mark for collecting and analyzing data**

- **Hunt Impacts**

- More localized deer sightings overall in Bethany, Prospect, and Gaillard this year
- Many more deer observed this season in all locations but harder to take ethical shot with bows – deer seem more cautious and just out of reach

<https://www.youtube.com/watch?v=RcvRGb0Tylw>

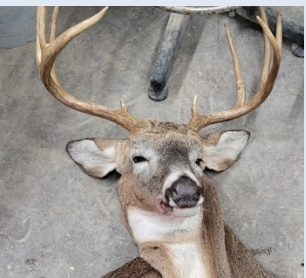
- **RWA Forestry and CT DEEP each have established research plots**

- RWA Forester is comparing data collected. Analysis of results was done in March 2020.

- **Annual DPH reporting requirement**

- DPH Recreational Activity Permits has been renewed and expires Dec. 2, 2031.
- Report on hunter effort and amount of deer harvested sent to DPH on Monday February 2, 2025.

- Hunters are grateful for the opportunity. Appreciate our efforts toward conservation and stewardship of the land. No negative publicity this season.



## Questions?



Photo courtesy of Connor Gasparini Gaillard 2023