

mwbe

Minority- and Women-Owned Business Enterprise

2019-2020
Fiscal Year



Asset Management and Financial Institution Strategy Report



Thomas P. DiNapoli | Office of the New York State Comptroller

History of the MWBE Legislation

The New York State Minority- and Women-Owned Business Enterprise (MWBE) Asset Management and Financial Institution Strategy (Chapter 171, Laws of 2010*) was enacted to codify and replicate best practices for providing MWBEs that are asset managers, investment banks and financial and professional service providers with the opportunity to offer services to fiduciary-controlled entities established by New York State law.* The law authorized the State Comptroller, as the Trustee of the New York State Common Retirement Fund (CRF or the Fund), and other fiduciary-controlled entities (i.e., the New York State Teachers' Retirement System (NYSTRS), the New York State Insurance Fund (NYSIF) and the New York State Deferred Compensation Plan (NYSDCP)) to establish an MWBE Asset Management and Financial Institution Strategy (the Strategy). State Comptroller Thomas P. DiNapoli has formulated and implemented the Strategy in accordance with the law.

Under the Strategy, the Fund has developed guidelines for the certification of MWBE firms that are conducting investment-related business with the Fund or seeking to do so. The guidelines, which were adopted December 13, 2010, are detailed in this document. The Fund, in conjunction with NYSTRS and NYSIF, is continuing to develop and update a database of these MWBEs and will issue periodic reports on the success of the Strategy. Additionally, the Fund works closely with NYSTRS and NYSIF to advertise the Strategy and coordinate conferences for MWBE firms to learn about business opportunities with fiduciary-controlled entities.

In accordance with the Strategy, the Fund submits this report to the Governor, the Legislature and the Chief Diversity Officer of the State of New York. The data included in this report reflects the Fund's utilization of MWBEs as of March 31, 2020.

* For the summary and bill text of this Chapter, see S.6888-C (Hassell-Thompson) / A.9976-C (Peoples-Stokes) from the 2009-10 New York State Legislative Session, available at https://nyassembly.gov/leg/?default_fld=&leg_video=&bn=S06888&term=2009&Summary=Y&Text=Y.

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Introduction

A Message from Comptroller Thomas P. DiNapoli

May 2020

As trustee of the New York State Common Retirement Fund, I am pleased to present our annual report on the Minority- and Women-Owned Business Enterprise (MWBE) Asset Management and Financial Institution Strategy for the fiscal year ended March 31, 2020. The Common Retirement Fund holds and invests assets on behalf of the 1.1 million members and pensioners of the New York State & Local Retirement System.

The Common Retirement Fund has a long history of recognizing the principles of diversity and inclusion in all aspects of its business operations. By building relationships with new, small and diverse firms, creating a level playing field for companies seeking to do business with the Fund, and incorporating a wide variety of experiences and perspectives on our team, we are able to access fresh ideas and innovative strategies in the investment arena. The Fund currently has approximately \$20 billion invested with or committed to MWBEs. MWBEs now represent approximately one-quarter of our externally managed active mandates.

Our search for talented professionals who might represent attractive investment opportunities for the Common Retirement Fund is a continuous process. In addition to hosting an Emerging Manager & MWBE Conference each year, we maintain relationships with a group of professional associations that appreciate the value and importance of diversity in the financial services industry, such as NAIC, SEO, NASP, New America Alliance, Association of Asian American Investment Managers and others. These efforts facilitate our recruitment of qualified staff, as well as connecting us with a network of promising diverse firms.

Diversity has strengthened our bottom line and our organization as a whole, advancing our mission of keeping the Common Retirement Fund strong and secure, now and in the future. I am proud of our accomplishments, and committed to continuing the progress we have made.



A Message from Chief Investment Officer Anastasia Titarchuk

The New York State Common Retirement Fund has long appreciated the value of diversity, in its staff, in its external investment managers, in its advisors and in the leadership of its portfolio companies. Drawing on a wide range of expertise and perspectives helps the Fund identify and evaluate promising opportunities, tailor its strategies in specific markets, and maintain a sound investment approach over the long run.

New York State's pension fund is regarded as an industry leader in a number of areas, including funding status, sustainable investing and support of diversity. We prize our reputation as an institutional investor that entrusts significant amounts of capital to diverse investment managers who demonstrate the ability to achieve superior risk-adjusted returns. In fiscal year 2019-20, our total MWBE investments and commitments generally held steady at approximately \$20 billion. The successes we have achieved offer validation of our approach. We will continue our sustained, patient pursuit of our objectives to expand our network and strengthen our relationships with high-performing MWBEs.

In accordance with the New York State Common Retirement Fund MWBE Asset Management and Financial Institution Strategy enacted in 2010, Comptroller DiNapoli and the Fund's staff have worked to develop a set of best practices to open doors to MWBEs in the financial services industry and encourage competition. The Strategy includes educating diverse market participants about opportunities to do business with the Fund, establishing relationships with highly qualified MWBEs in the investment arena, and building a pipeline of investments and service providers that enable the Fund to reap the benefits of diversity for the members, retirees and beneficiaries of the New York State & Local Retirement System.

During his tenure, Comptroller DiNapoli has steadily expanded our Emerging Manager Program, which now operates across all asset classes. In February 2020, we welcomed over 700 diverse investment professionals to Albany for our annual Emerging Manager & MWBE Conference. Guests meet with Fund investment staff and partners to get a detailed, practical understanding of the Fund's process for selecting and monitoring new investments. Diversity has been central to our success, and we look forward to continuing to strengthen the Common Retirement Fund through the inclusion of talented and diverse financial services professionals.



Overview of the New York State Common Retirement Fund

The Comptroller is the administrative head of the New York State and Local Employees' Retirement System and the New York State and Local Police and Fire Retirement System, which are collectively referred to as the New York State and Local Retirement System (the System), and is the Trustee of the New York State Common Retirement Fund (CRF or the Fund).

The Fund was established in 1967 to hold the assets of the System. The Division of Pension Investment and Cash Management within the Office of the State Comptroller (OSC) is responsible for the day-to-day management of the assets of the CRF.

The Fund's asset allocation policy was constructed to meet these objectives by achieving a maximum level of return consistent with policies on liquidity, diversification and investment risk.

The Fund diversifies the investment of its assets among various classes including domestic and international equities, private equity, real estate, absolute return strategies, opportunistic funds, real assets and fixed income securities.

The sound investment framework provided by the Fund's asset allocation and diversification policies has enabled it to generate competitive risk-adjusted returns and maintain a strong funded status throughout market cycles. The New York State Common Retirement Fund is the third largest public pension fund in the United States, with 1.1 million members, retirees and beneficiaries.

Summary / MWBE Participation

Overview of MWBE Participation

Due to the disruption in the market as a result of the global pandemic caused by COVID-19, the value of the Fund as a whole has been impacted. This impact includes the value of investments in MWBE firms for the 2019-20 fiscal year. While the CRF has continued steady deployment of capital to MWBE firms, the deterioration in market value generally has negatively impacted some of our MWBE results. As detailed in the tables below, total investments and commitments of Fund capital to MWBE partners for 2019-20 was \$20 billion.

Increases in value over the amounts reported in the previous year were particularly strong in Real Estate & Real Assets, Private Equity and Opportunistic Investments. Real Estate & Real Assets increased by over 20 percent, with a new commitment to GCM Grosvenor. Private Equity MWBE investments grew by over \$1.2 billion, including over \$800 million in new allocations to Vista Equity Partners and an additional \$15 million commitment to Primary Venture Partners. Opportunistic Investments increased by \$200 million, with new allocations to Clearlake Capital Partners.

Last year's growth reflects the cumulative effects of many years of sustained outreach to the MWBE investment community, publicizing and explaining opportunities to do business with the Fund through the Annual Conference and other venues, expanding our network, building relationships and allowing firms that have successfully managed small investments to take the next step up to handle larger allocations.

While Fund management is very pleased with these results, our team is committed to retaining its long-term focus on steady, incremental growth with successful MWBE managers.

The 2019-20 results illustrate another important measure of the success of the Fund's MWBE Strategy. Of the \$95 billion of Fund assets that are actively and externally managed, 21 percent have been allocated to minority- or women-owned businesses.

Asset Class Total Investments

The charts on the following pages summarize the Fund's current utilization of MWBE asset managers and broker/dealers. The broker/dealers are reported based on "MWBEs in Pool," as they do not manage capital. They are tasked with executing trades on behalf of the Fund related to the assets that are traded in-house.

Explanations of the MWBE Certification Process can be found in the section beginning on page 17.

Asset Class Investments and MWBE Participation, Fiscal Year 2019-2020

As of March 31, 2020. (Dollars in Millions – Estimated)*

Asset Classification	Total Assets Managed by MWBE Managers	Total Assets Managed by Substantially Owned and/or Operated MWBEs	Total MWBE Assets	CRF Total Est. Market Value
Public Equities	\$ 5,829.3	\$ 444.7	\$ 6,274.0	\$ 96,742.5
Fixed Income	937.3	–	937.3	50,164.0
Private Equity	8,011.3	806.2	8,817.5	21,999.9
Real Estate & Real Assets	1,750.0	–	1,750.0	19,058.9
Absolute Return Strategy	269.5	–	269.5	4,303.8
Opportunistic	1,625.0	400.0	2,025.0	3,299.3
Cash & Other	–	–	–	1,593.1
TOTAL	\$ 18,422.4	\$ 1,650.9	\$ 20,073.3	\$ 197,161.5

As a Percentage of Total Fund Assets	Assets	MWBE Share
Total Fund NYSCRF Active & Externally Managed	\$ 95,473.8	21.0%
Total Fund Index or Internally Managed	101,687.7	–
TOTAL FUND	\$ 197,161.5	10.2%

Market values are primarily utilized for measurement of Total Assets above. For select Opportunistic, Real Estate and Private Equity vehicles, commitment values are utilized, as indicated further in the report. Committed values are only utilized for vehicles in the active period of investing where market value is not representative of the contractual nature of the full relationship with the MWBE participant.

Total MWBE & Substantially Owned and/or Operated MWBE Relationships

	Emerging Investment Managers	Investment Managers	Broker-Dealers	Law Firms	Consultants	Total
Total MWBE Relationships	90	24	6	6	2	128

* March 31, 2020 numbers are based upon unaudited, estimated values and may not reflect actual fiscal year-end results.

MWBE Participation by Asset Class, 2019 & 2020

Year Over Year Change

(Dollars in Millions – Estimated)*

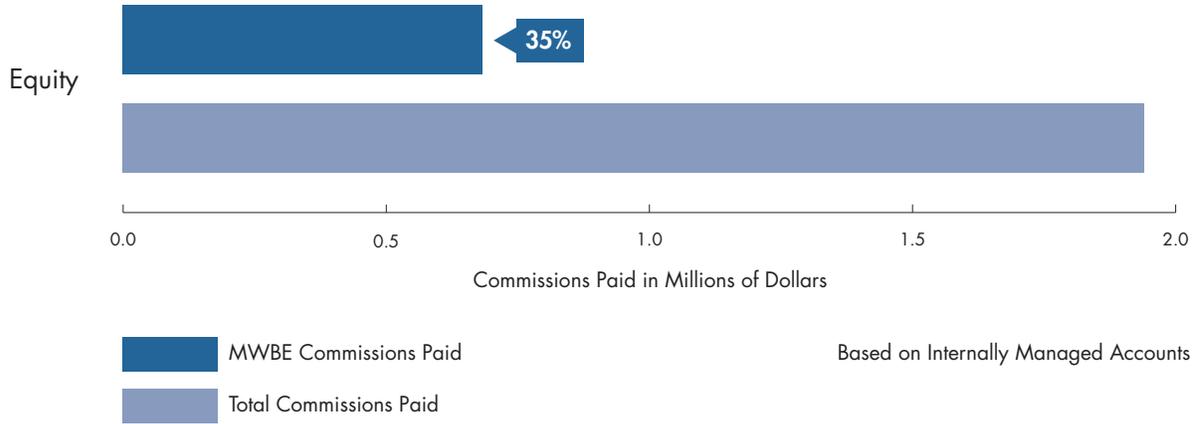
Asset Classification	March 2019	March 2020	Percentage Change
MWBE ASSETS			
Public Equities	\$ 8,446.6	\$ 6,274.0	-25.7%
Fixed Income	1,508.9	937.3	-37.9%
Private Equity	7,503.9	8,817.5	17.5%
Real Estate & Real Assets	1,450.0	1,750.0	20.7%
Absolute Return Strategy	225.5	269.5	19.5%
Opportunistic	1,792.4	2,025	13.0%
Total MWBE	\$ 20,927.3	\$ 20,073.3	-4.1%
MWBE Share of Active & Externally Managed	24.5%	21.0%	
FUND ASSETS			
Total Fund Active & Externally Managed	\$ 85,569.9	\$ 95,473.8	
Total Fund Internally Managed or Indexed	124,622.0	101,687.7	
TOTAL FUND	\$ 210,191.9*	\$ 197,161.5*	

Market values are primarily utilized for measurement of Market Value. For select Opportunistic, Real Estate and Private Equity vehicles, commitment values are utilized, as indicated further in the report. Committed values are only utilized for vehicles in the active period of investing where market value is not representative of the contractual nature of the full relationship with the MWBE participant.

* March 31, 2020 numbers are based upon unaudited, estimated values and may not reflect actual fiscal year-end results.

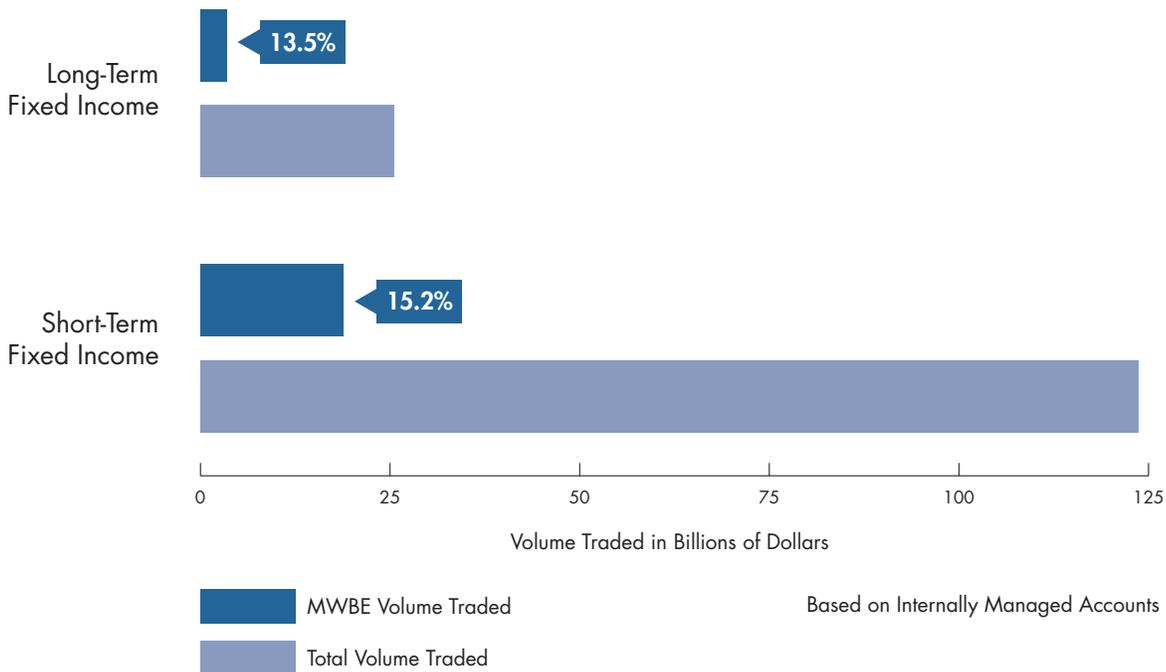
Broker/Dealer Commissions and Volume Traded – Equities

Broker/Dealers (Equity)	MWBEs in Pool	Non-MWBEs in Pool	MWBE Commissions Paid	Non-MWBE Commissions Paid	MWBE Share
Fiscal Year 2019-2020	5	13	\$ 683,481	\$ 1,256,285	35%



Broker/Dealer Commissions and Volume Traded – Fixed Income

Asset Classification	MWBEs in Pool*	Non-MWBEs in Pool	MWBE Volume Traded	Non-MWBE Volume Traded	MWBE Share
Broker/Dealers (Long-Term Fixed Income)	3	21	\$ 3,453,720,000	\$ 22,118,142,205	13.5%
Broker/Dealers (Short-Term Fixed Income)	3	18	\$ 18,840,677,000	\$ 104,822,519,205	15.2%



* These two categories are not mutually exclusive.

MWBE Certification Process

The Fund has retained Lenox Park Solutions, an MWBE, to conduct an annual MWBE certification review process of firms doing business with the Fund. As part of its certification review process, Lenox Park surveys the Fund's current network of more than 400 asset managers, financial institutions and financial and professional service contractors to determine which firms qualify as MWBEs. A firm may qualify as an MWBE as follows:

Traditional MWBE

The firm is at least 51 percent owned by one or more minority group members, or by one or more women, in each case, who have significant experience in the relevant area.

Substantially owned and/or operated MWBE

The firm is substantially owned and/or operated by women or minority group members who have significant experience in the relevant area.

A firm qualifies as a “substantially owned or operated” MWBE if the firm is at least 33 percent owned and/or operated (via senior managers) by members of minority groups or women, provided that the firm is at least 25 percent owned by members of minority groups or women.

Through the annual certification review process, the Fund, together with NYSTRS and NYSIF, will continue to develop and update a report of firms certified under the above criteria as MWBEs. In a manner consistent with their fiduciary responsibilities, the Fund, NYSTRS and NYSIF have closely coordinated the adoption and management of the Strategy in order to further public awareness, outreach and expansion of business opportunities for MWBEs. As a result, MWBEs are able to promote their services more seamlessly to these entities in New York State. This year, Lenox Park Solutions sent surveys to over 440 firms that provide a variety of services to the Fund. As of May 27, 2020, Lenox Park had received responses from over 76 percent of all vendors. This report is based in part on the information received from the surveys.

Guidelines for Certification, Reporting and Cooperation with Other Fiduciary-Controlled Entities

I. Purpose

In accordance with subdivisions 4, 5, 6, 7, 8 and 9 of Section 176 of the Retirement and Social Security Law and Section 423-c of the Retirement and Social Security Law, the State Comptroller, acting as Trustee of the Common Retirement Fund, has chosen to establish an MWBE Asset Management and Financial Institution Strategy (“Strategy”) aimed at increasing the utilization of MWBE Asset Managers, MWBE Financial Institutions and MWBE Financial and Professional Service Firms. The Strategy shall include any or all of the following, to the extent they are in accordance with and subject to the State Comptroller’s fiduciary duties and obligations as Trustee of the Common Retirement Fund and to the members, retirees and beneficiaries of such Fund and such other investment limitations as may be prescribed by the Retirement and Social Security Law:

- A.** Investing assets of the Common Retirement Fund with MWBE Asset Managers;
- B.** Subject to Best Execution:
 - 1.** Conducting trades of public equity securities with MWBE Financial Institutions; and
 - 2.** Conducting trades of fixed-income securities with MWBE Financial Institutions.
- C.** Allocating investments of assets of the Common Retirement Fund either through:
 - 1.** Direct investments in the equities and debt securities of MWBEs; or
 - 2.** Indirectly through special programs involving MWBE Asset Managers; and
- D.** Awarding contracts for accounting, banking, financial advisory, insurance, legal, research, valuation and other financial and professional services to MWBE Financial Institutions and other MWBE Professional Service Firms.

II. Definitions

For the purposes of these guidelines, the following terms shall have the meanings assigned below:

- A.** The terms “**Asset Manager**” and “**Asset Management**” shall mean the person, or activity by such person, who provides a comprehensive and structured approach to short-term and long-term management of the funds of the Common Retirement Fund.
- B.** The term “**Best Execution**” shall refer to the obligation of an entity that purchases or sells publicly-traded securities to ensure the optimal mix of price improvement (getting a better price than is currently quoted), speed and likelihood of execution.
- C.** The terms “**Broker**,” “**Broker Dealer**” and “**Brokerage**” shall mean an individual or firm, registered in accord with state or federal law, who acts as an intermediary between a buyer and seller.
- D.** The term “**Business Enterprise**” shall include, without limitation:
 - 1. A sole proprietorship;
 - 2. A partnership;
 - 3. A limited partnership;
 - 4. A limited liability partnership;
 - 5. A limited liability company;
 - 6. A corporation; or
 - 7. Another similar entity whether domestic or foreign.
- E.** The term “**MWBE Asset Manager**” shall mean:
 - 1. An Asset Manager in any of the following asset classes:
 - a. Public Equity or Fixed Income Securities;
 - b. Hedge Funds;
 - c. Fund of Hedge Funds;
 - d. Private Equity (including Venture Capital);
 - e. Fund of Private Equity funds;
 - f. Real Estate Investment Funds;
 - g. Fund of Real Estate Funds; or
 - h. Any other asset class for which the Common Retirement Fund entity engages external asset managers; and
 - 2. An Asset Manager that is:
 - a. An MWBE;
 - b. A registered Investment Advisor or an Investment Advisor exempt from such registration; and
 - c. Certified pursuant to the provisions of subdivision 3 of Section 423-c of the Retirement and Social Security Law.

- F.** The term “**Minority Group Member**” shall mean a United States citizen or permanent resident alien who is and can demonstrate membership in one of the following groups:
1. Black persons having origins in any of the Black African racial groups;
 2. Hispanic persons of Mexican, Puerto Rican, Dominican, Cuban, Central or South American of either Indian or Hispanic origin, regardless of race;
 3. Native American or Alaskan native persons having origins in any of the original peoples of North America; or
 4. Asian and Pacific Islander persons having origins in any of the Far East countries, South East Asia, the Indian subcontinent or the Pacific Islands.
- G.** The term “**MWBE**” for the purpose of engaging in business with the Common Retirement Fund, means:
1. A Business Enterprise:
 - a. That is at least 51 percent owned by one or more minority group members, or one or more women, in each case, who have significant experience in asset management, brokerage, other financial services or related professional services such as accounting, valuation or legal services; or
 - b. That is substantially owned and/or operated by women or minority group members who have significant experience in asset management, brokerage, other financial services or related professional services such as accounting, valuation or legal services; and
 2. A Business Enterprise:
 - a. In which such minority or women ownership or operation is real, substantial and continuing;
 - b. In which such minority or women ownership or operation has and exercises the authority to control independently the day-to-day business decisions of the enterprise;
 - c. Authorized to do business in this State; and
 - d. Certified by the State Comptroller pursuant to Section 423-c of the Retirement and Social Security Law.
- H.** The term “**Financial and Professional Services**” shall include, but not be limited to:
1. Banking;
 2. Financial Advisory;
 3. Financial Research;
 4. Insurance;
 5. Law; and
 6. Valuation.

- I. The term **“MWBE Financial Institution”** shall mean:
 1. As it relates to brokerage services, a registered broker dealer that is an MWBE certified pursuant to the provisions of this Part promulgated in accordance with subdivision 3 of Section 423-c of the Retirement and Social Security Law; and
 2. As it relates to any other financial services, an MWBE certified pursuant to the provisions of this Part promulgated in accordance with subdivision 3 of Section 423-c of the Retirement and Social Security Law that provides banking, financial advisory, insurance, financial research, valuation or other financial services.
- J. The term **“Other Fiduciary-Controlled Entities”** shall mean:
 1. The New York State Teachers’ Retirement System;
 2. The New York State Insurance Fund; and
 3. The New York State Deferred Compensation Plan.

III. Certification

The State Comptroller hereby establishes and adopts the following certification processes for the purpose of identifying and reporting on MWBEs performing investment-related services with or for the Common Retirement Fund: Asset Management, Brokerage, or other Financial or Professional Services as such terms are defined in Paragraph II, above.

- A.** Business Enterprises performing investment-related services with or for the Common Retirement Fund shall, upon request of the State Comptroller (or his or her agent), provide the following information:
- 1.** A copy of financial form(s), if any, filed with the federal Securities and Exchange Commission, including, but not limited to, ADV and BD;
 - 2.** A copy of application forms and supporting documentation, if any, filed with the Division of Minority and Women-Owned Business Development (“DMWBD”) within the New York State Department of Economic Development and any subsequent certification issued by DMWBD of MWBE status;
 - 3.** A copy of any form(s) filed with any other state or federal entity for the purpose of seeking certification by such entity as an MWBE, along with any certification issued by such governmental entity of MWBE status; and

- 4.** Any appropriate registration form setting forth such information as the State Comptroller within his or her discretion may require.

- B.** Additionally, Business Enterprises performing investment-related services with or for the Common Retirement Fund shall, upon request of the State Comptroller (or his or her agent), provide the following information relating to any position (held by an owner, officer, manager or employee of the Business Enterprise) that the State Comptroller, within his or her discretion, determines necessary, including, but not limited to, managing director, managing principal, principal, operating principal, chief financial officer, operating vice-president, vice-president, partner and owner, or equivalent positions, for the accurate identification of a Business Enterprise as:

- 1.** 51 Percent Owned by MWBEs:
 - a.** Title;
 - b.** Position;
 - c.** Ownership percentage;
 - d.** History of ownership;
 - e.** History of ownership percentage;
 - f.** Ethnicity;
 - g.** Gender; and
 - h.** Length of service.

2. MWBEs Substantially Owned or Operated by Minorities and women:
 - a. Title;
 - b. Position;
 - c. Ownership percentage;
 - d. History of ownership;
 - e. History of ownership percentage;
 - f. Ethnicity;
 - g. Gender;
 - h. Length of service; and
 - i. The role of individual employees and whether such individual will be performing services with or for the Common Retirement Fund and if so, to what extent such performance will occur.
- C. Documentation. Such information shall be provided on a form developed by the State Comptroller (or his or her agent), and shall be certified as to accuracy by an Owner or Officer of the Business Enterprise, authorized by the business to make the representations contained thereon. If a Business Enterprise seeks confidential treatment of proprietary business information, such information must be clearly labeled as confidential, and denial of release thereof will occur in accordance with law. The State Comptroller shall make such inquiries as he or she deems appropriate to determine the accuracy of the information provided, including, but not limited to, potential field visits and/or other means of substantiation.
- D. Determination of MWBE status. Separate determinations of MWBE status shall be made for Business Enterprises pursuant to subdivisions 1 and 2 of this Paragraph.
 1. In determining that a Business Enterprise is at least 51 percent owned by one or more minority group members, or one or more women, the State Comptroller may rely on bonafide determinations of state or federal government entities or of the Other Fiduciary-Controlled Entities, or on certified filings with the federal Securities and Exchange Commission, in addition to the responses submitted by the Business Enterprise.
 2. In determining that a Business Enterprise is substantially owned and/or operated by women or minority group members, the State Comptroller interprets the term “substantially” as meaning at least 33 percent (ownership and/or operation). The 33 percent shall include at least 25 percent ownership by women or minority group members. Each individual counted in determining percentage of ownership or operation may only be counted once (e.g., an owner who is also a senior manager may not be counted as both).

- E.** Decertification. Any Business Enterprise previously certified as an MWBE which no longer meets the applicable certification criteria shall be decertified. All Business Enterprises certified as MWBEs must promptly inform the State Comptroller of changes in ownership, management and/or control that could impact the entity's MWBE certification.
- F.** Documentation of determination. In all cases, the State Comptroller shall maintain a written record of the reason(s) for his/her determination and subsequent certification or decertification of an entity's MWBE status.
- G.** Finality of determination. Determinations relating to MWBE status made under this Part promulgated pursuant to the provisions of subdivision 3 of Section 423-c of the Retirement and Social Security Law are made solely for identification and reporting and for no other purpose. The determination of the State Comptroller shall be final and not appealable. However, Business Enterprises that believe they should be certified as MWBEs are welcome to submit information demonstrating that they are eligible for such certification.
- H.** Submission of false information. Any individual who submits false information on behalf of a Business Enterprise, and/or any Business Enterprise that submits false information, may be barred from doing business with the Common Retirement Fund for a period of time to be determined by the State Comptroller based on the nature and extent of the false information. False submissions may also be reported to appropriate law enforcement entities.

IV. Reporting

Within 60 days of the end of each fiscal year, the State Comptroller shall report to the Governor, the Legislature and the Chief Diversity Officer of the State of New York on the participation of MWBE Asset Managers, MWBE Financial Institutions and MWBE Professional Service Providers in investment and brokerage transactions with, or as providers of services for, the Common Retirement Fund.

A. Such Report shall include:

1. A comparative analysis of such activity relative to such activity with all asset managers, financial institutions and professional service providers for the relevant period; and
2. Information on the progress and success of the efforts undertaken during such period to achieve the goals of the Strategy.

- B.** Such Report shall be simultaneously published on the website of the Common Retirement Fund for not less than 60 days following its release to the Governor, the Legislature and the Chief Diversity Officer of the State of New York.
- C.** Such Report shall separately document the utilization of:
 1. Entities that are at least 51 percent owned by one or more minority group members or women; and
 2. Entities that are substantially owned and/or operated by women or minority group members.

V. Cooperation with Other Fiduciary-Controlled Entities

- A. The State Comptroller may, at the request of any of the Other Fiduciary-Controlled Entities, utilize the certification process established in Paragraph III, above, for the purpose of identifying and reporting on those MWBE firms that provide to such Other Fiduciary-Controlled Entities Asset Management, Brokerage, or other Financial or Professional Services as such terms are defined in Paragraph II, above. In these circumstances, with the assistance of the Other Fiduciary-Controlled Entities, all references in Paragraph III, above, to the Common Retirement Fund shall be utilized by the State Comptroller to apply to the respective Other Fiduciary-Controlled Entity.
- B. The State Comptroller, or his or her agent, shall work with the Other Fiduciary-Controlled Entities to create a database of Business Enterprises certified as MWBEs pursuant to subdivision 3 of Section 423-c of the Retirement and Social Security Law.
- C. In addition to other advertising the existence of the Strategy so that MWBE Asset Managers, MWBE Financial Institutions and other MWBE Professional Service Firms are made aware of the opportunities made available pursuant to the Strategy, the Common Retirement Fund shall periodically, but not less than annually, hold a conference to advertise and promote the Strategy. Such conference shall be scheduled and coordinated to the extent reasonably practicable with the Other Fiduciary-Controlled Entities.
- D. The Common Retirement Fund shall meet periodically with the Other Fiduciary-Controlled Entities to discuss best practices and to consider changes to Strategy guidelines.

Detail / MWBE Participants

Asset Class Investments and MWBE Participation

The charts in this report summarize the Fund's current utilization of MWBE asset managers and broker/dealers. The broker/dealers are reported based on "MWBEs in Pool," as they do not manage capital. They are tasked with executing trades on behalf of the Fund related to the assets that are traded in-house.

Additionally, the identities of all MWBEs with which the Fund is currently doing business are listed in the following sections by asset class:

Participating Asset Classes

Public Equities

- Active U.S. Domestic Managers
- Active International Managers
- Active Emerging Markets Managers
- Active U.S. Domestic Manager of Managers
- Active Global Manager of Managers

Fixed Income

- Active Domestic Fixed Income, Externally Managed

Private Equity

- Direct Investments
- Manager of Managers
- Co-Investment Fund

Real Estate & Real Assets

- Direct Investments
- Emerging Manager Equity Joint Venture Program
- Manager of Managers

Absolute Return Strategy

- Direct Investments
- Manager of Managers

Opportunistic Investments

- Direct Investments
- Manager of Managers

Broker/Dealers

Service Providers

Public Equities

Active U.S. Domestic Managers

As of March 31, 2020.

The Fund has the following direct allocations with five MWBEs in the Active U.S. Domestic Public Equities asset class.

Firm	MWBE Status	M/W Ownership	Market Value
Brown Capital Management	African-American / Asian-American / Women	100%	\$ 1,148,508,892
Channing Capital Management	African-American	100%	197,170,495
EARNEST Partners	African-American / Asian-American / Women	61%	852,105,995
Penn Capital	Women	55%	247,969,769
Active U.S. Domestic Public Equities MWBE Total			\$ 2,445,755,151

Active International Managers

As of March 31, 2020.

The Fund has the following direct allocation to two MWBEs in the Active International Public Equities asset class.

Firm	MWBE Status	M/W Ownership	Market Value
Ariel Investments	African-American / Women	74%	\$ 271,789,429
GQG Partners	Asian-American	85%	502,788,233
Active Emerging Markets Equity MWBE Total			\$ 774,577,662

Active Emerging Markets Managers

As of March 31, 2020.

The Fund has the following direct allocation to an MWBE in the Active Emerging Markets Public Equities asset class.

Firm	MWBE Status	M/W Ownership	Market Value
RockCreek	Asian-American / Women	100%	\$ 546,682,760
Active Emerging Markets Equity MWBE Total			\$ 546,682,760

Public Equities

Active U.S. Domestic Manager of Managers

As of March 31, 2020.

Progress Investment Management, an Emerging Manager Program Partner, has been an investment manager for the Fund since 1994. It is important to highlight that in late 4Q 2019, Progress Investment Management announced to its clients, employees and sub-managers that the firm's senior leadership has made a strategic business decision to wind down the firm's operations toward a mid-year 2020 closing. As a result, the Fund is working with the Progress team to transition the entire portfolio to a new manager.

Firm	MWBE Status	M/W Ownership	Market Value
Progress Investment Management	African-American / Asian-American / Women	100%	\$ 411,392,758
Progress Investment Management Mid-Cap Portfolio Total			\$ 411,392,758

Progress Managed MWBE Investments*

Firm	MWBE Status	M/W Ownership	Market Value
Denali Advisors	African-American / Native-American / Women	86%	\$ 61,387,704
Fairpointe Capital	Women	87%	101,333,775
Lisanti Capital Growth	Women	52%	44,631,583
Matarin Capital Management	African-American / Hispanic / Women	56%	36,604,090
Sapience Investments	Asian-American	51%	44,041,790
Progress Investment Management Mid-Cap Portfolio MWBE Total			\$ 287,998,942

* The New York State Common Retirement Fund often uses fund-of-funds or manager-of-managers asset managers as Emerging Manager Platforms to invest capital on its behalf. In many cases, these Emerging Manager Platforms are MWBEs that invest partially or exclusively in other MWBE (Sub-Fund) Asset Managers. Emerging Manager Platforms are not required to invest in only MWBE Sub-Funds.

Public Equities

Active U.S. Domestic Manager of Managers

As of March 31, 2020.

Leading Edge Investment Advisors (LEIA), an Emerging Manager Program Partner, has been an investment manager for the Fund since 2015.

Firm	MWBE Status	M/W Ownership	Market Value
Leading Edge Investment Advisors	Asian-American	100%	\$ 332,907,835
Manager of Managers, Leading Edge Total			\$ 332,907,835

Leading Edge Managed MWBE Investments*

Firm	MWBE Status	M/W Ownership	Market Value
Bowling Portfolio Management	Women	51%	\$ 35,403,733
Denali Advisors	African-American / Native-American / Women	86%	42,978,065
Nicholas Investment Partners	Hispanic / Women	54%	29,481,880
Palisades Investment Partners	African-American	100%	33,696,305
Phocas Financial Corporation	Asian-American	66%	39,767,553
Leading Edge MWBE Total			\$ 181,327,536

Firm	MWBE Status	Substantially Owned and/or Operated MWBE	Market Value
Granahan Investment Management	Women	37%	\$ 63,081,777
Granite Investment Partners	Asian-American / Hispanic / Women	34%	52,279,484
Leading Edge Substantially Owned and/or Operated MWBE Total			\$ 115,361,261

* The New York State Common Retirement Fund often uses fund-of-funds or manager-of-managers asset managers as Emerging Manager Platforms to invest capital on its behalf. In many cases, these Emerging Manager Platforms are MWBEs that invest partially or exclusively in other MWBE (Sub-Fund) Asset Managers. Emerging Manager Platforms are not required to invest in only MWBE Sub-Funds.

Public Equities

Active Global Manager of Managers

As of March 31, 2020.

FIS Group has been an investment manager for the Fund since 2004 and is an Emerging Manager Program Partner.

Direct Fund Investments

Firm	MWBE Status	M/W Ownership	Market Value
FIS Group	African-American / Women	63%	\$ 988,403,552
Manager of Managers, FIS Group Total			\$ 988,403,552

FIS Managed MWBE Investments*

Firm	MWBE Status	M/W Ownership	Market Value
Arga Investment Management	Asian-American	100%	\$ 36,092,207
Decatur Capital Management	Hispanic	51%	173,837,322
Denali Advisors	African-American / Native-American / Women	86%	157,871,960
FIS Frontier Market	African-American / Women	63%	11,197,855
Frontier Global Partners	Asian-American / Hispanic / Women	72%	71,714,080
Redwood Investments	Women	51%	122,077,990
FIS Group MWBE Total			\$ 572,791,414

* The New York State Common Retirement Fund often uses fund-of-funds or manager-of-managers asset managers as Emerging Manager Platforms to invest capital on its behalf. In many cases, these Emerging Manager Platforms are MWBEs that invest partially or exclusively in other MWBE (Sub-Fund) Asset Managers. Emerging Manager Platforms are not required to invest in only MWBE Sub-Funds.

Public Equities

Active Global Manager of Managers

As of March 31, 2020.

Progress Investment Management, an Emerging Manager Program Partner, has been an investment manager for the Fund since 1994. It is important to highlight that in late 4Q 2019, Progress Investment Management announced to its clients, employees and sub-managers that the firm's senior leadership has made a strategic business decision to wind down the firm's operations toward a mid-year 2020 closing. As a result, the Fund is working with the Progress team to transition the entire portfolio to a new manager.

Firm	MWBE Status	M/W Ownership	Market Value
Progress Investment Management	African-American / Asian-American / Women	100%	\$ 514,643,979
Progress Investment Management Global Equity Total			\$ 514,643,979

Progress Managed MWBE Investments*

Firm	MWBE Status	M/W Ownership	Market Value
Arga Investment Management	Asian-American	100%	\$ 68,266,336
Ativo Capital Management	Asian-American / Women	98%	82,250,839
Strategic Global Advisors	Women	51%	142,013,202
Trinity Alps Capital	Asian-American	100%	78,751,748
Progress Investment Management Global Equity MWBE Total			\$ 371,282,125

Firm	MWBE Status	Substantially Owned and/or Operated MWBE	Market Value
Qtron Investments	Asian-American	50%	\$ 69,631,449
Progress Investment Management Substantially Owned and/or Operated MWBE Total			\$ 69,631,449

* The New York State Common Retirement Fund often uses fund-of-funds or manager-of-managers asset managers as Emerging Manager Platforms to invest capital on its behalf. In many cases, these Emerging Manager Platforms are MWBEs that invest partially or exclusively in other MWBE (Sub-Fund) Asset Managers. Emerging Manager Platforms are not required to invest in only MWBE Sub-Funds.

Public Equities

Active Global Manager of Managers

As of March 31, 2020.

The Fund has the following manager of managers relationship in Global Equities.

Firm	MWBE Status	M/W Ownership	Market Value
Goldman Sachs Asset Management	N/A	N/A	\$ 2,490,569,418
Manager of Managers, Goldman Sachs Asset Management (GSAM) Total			\$ 2,490,569,418

Goldman Sachs Asset Management Managed MWBE Investments*

Firm	MWBE Status	Substantially Owned and/or Operated MWBE	Market Value
Causeway Capital Management	Women	45%	\$ 259,722,237
GSAM Substantially Owned and/or operated MWBE Total			\$ 259,722,237

* The New York State Common Retirement Fund often uses fund-of-funds or manager-of-managers asset managers as Emerging Manager Platforms to invest capital on its behalf. In many cases, these Emerging Manager Platforms are MWBEs that invest partially or exclusively in other MWBE (Sub-Fund) Asset Managers. Emerging Manager Platforms are not required to invest in only MWBE Sub-Funds.

Fixed Income

Active Domestic Fixed Income, Externally Managed

As of March 31, 2020.

The Fund has three direct allocations with MWBEs in the Fixed Income asset class.

Firm	MWBE Status	M/W Ownership	Market Value
Advent Capital	African-American	72%	\$ 381,129,029
New Century Advisors	Women	58%	279,654,374
Semper Capital Management	African-American	61%	276,491,788
Active Domestic Fixed Income MWBE Total			\$ 937,275,191

Private Equity

Direct Investments

As of March 31, 2020.

The Fund has direct allocations with 15 MWBEs in the Private Equity asset class including both active and legacy commitments.

Active Allocations, Commitment Values

Firm	MWBE Status	M/W Ownership	Commitment
Asia Alternatives Private Equity Partners	Asian-American/Women	61%	\$ 50,000,000
Clearlake Capital Partners	Hispanic	77%	392,000,000
GenNx360 Capital Partners	African-American	100%	150,000,000
Helios Investment Partners	African-American / Asian-American / Women	97%	100,000,000
ICV Partners	African-American	80%	75,000,000
Palladium Equity Partners	African-American / Asian-American / Hispanic / Women	63%	150,000,000
Vista Equity Partners	African-American / Asian-American / Women	65%	3,750,000,000
Private Equity MWBE Total			\$ 5,567,000,000

Firm	MWBE Status	Substantially Owned and/or Operated MWBE	Commitment
ACON Funds Management	African-American / Asian-American / Hispanic / Women	39%	\$ 200,000,000
Primary Venture Partners (FKA High Peaks)	Asian-American	49%	75,000,000
Siris Capital Partners	African-American	50%	225,000,000
Substantially Owned/Operated Total			\$ 500,000,000

For select Opportunistic, Real Estate and Private Equity vehicles, commitment values are utilized, as indicated further in the report. Committed values are only utilized for vehicles in the active period of investing where market value is not representative of the contractual nature of the full relationship with the MWBE participant.

Private Equity

Direct Investments

As of March 31, 2020.

The Fund has direct allocations with 15 MWBEs in the Private Equity asset class including both active and legacy commitments.

Legacy Allocations, Market Values

Firm	MWBE Status	M/W Ownership	Est. Market Value
Asia Alternatives Private Equity Partners	Asian-American/Women	61%	\$ 347,267,228
Clearlake Capital Partners	Hispanic	77%	17,870,176
Fairview Capital Partners	African-American / Women	100%	219,968,994
Falcon Investment Advisors	Asian-American	55%	7,769,803
GenNx360 Capital Partners	African-American	100%	162,987,762
Horsley Bridge Partners	Asian-American / Women	52%	2,724,351
Levine Leichtman Capital Partners	Women	51%	4,447,269
Vista Equity Partners	African-American / Asian-American / Women	65%	727,009,743
Private Equity MWBE Total			\$ 1,490,045,326

Firm	MWBE Status	Substantially Owned and/or Operated MWBE	Est. Market Value
Acon Funds Management	African-American / Asian-American / Hispanic / Women	39%	\$ 125,745,820
Milestone Managers	Hispanic	42%	5,379,532
Palladium Equity Partners	Hispanic	42%	86,678,545
Primary Venture Partners (FKA High Peaks)	Asian-American	49%	12,194,083
Private Equity Substantially Owned and/or Operated MWBE Total			\$ 229,997,980

For select Opportunistic, Real Estate and Private Equity vehicles, commitment values are utilized, as indicated further in the report. Committed values are only utilized for vehicles in the active period of investing where market value is not representative of the contractual nature of the full relationship with the MWBE participant.

Private Equity

Manager of Managers

As of March 31, 2020.

In 2011, the Fund made a \$240 million commitment to Muller & Monroe, an Emerging Manager program partner. After the 2011 commitment was fully allocated in 2018, the Fund made an additional commitment of up to \$200 million to Muller & Monroe for total commitments of up to \$440 million.

Direct Fund Investment

Firm	MWBE Status	M/W Ownership	Committed Amount
Muller & Monroe	African-American / Women	52%	\$ 440,000,000
Manager of Managers, Muller & Monroe Total			\$ 440,000,000

Sub-Fund MWBE Investments*

Firm	MWBE Status	M/W Ownership	Committed Amount
Aldrich Capital Partners	Asian-American	100%	\$ 20,000,000
Argand Partners	African-American / Asian-American / Hispanic	70%	20,000,000
Brightwood Capital	African-American	100%	15,000,000
Estancia Capital Partners	Hispanic / Asian-American	90%	40,000,000
HighBar Partners	Hispanic / Asian-American	100%	22,000,000
Luminate Capital Partners	Women	100%	20,000,000
Medina Capital	Hispanic	100%	15,000,000
NexPhase Capital	Asian-American	51%	40,000,000
RLJ Equity Partners	African-American	100%	22,000,000
The Vistria Group	African-American	51%	60,000,000
Wavecrest Growth Partners	Asian-American	100%	20,000,000
Muller & Monroe MWBE Total			\$ 294,000,000

Firm	MWBE Status	Substantially Owned and/or Operated MWBE	Est. Market Value
Siris Capital Group	African-American	50%	\$ 20,000,000
Muller & Monroe Substantially Owned and/or Operated MWBE Total			\$ 20,000,000

* The New York State Common Retirement Fund often uses fund-of-funds or manager-of-managers asset managers as Emerging Manager Platforms to invest capital on its behalf. In many cases, these Emerging Manager Platforms are MWBEs that invest partially or exclusively in other MWBE (Sub-Fund) Asset Managers. Emerging Manager Platforms are not required to invest in only MWBE Sub-Funds.

Private Equity

Manager of Managers

As of March 31, 2020.

Since 2009, the Fund has made total commitments of up to \$1.2 billion to HarbourVest Partners, an Emerging Manager Program Partner, through four investment vehicles. After the 2009 and 2014 commitments were fully allocated in 2019, the Fund made additional commitments of up to \$700 million to two separate vehicles; one commitment of up to \$300 million and a Transition Annex Fund of up to a \$400 million.

Direct Fund Investment

Firm	MWBE Status	M/W Ownership	Committed Amount
HarbourVest Partners	None	N/A	\$ 1,200,000,000
Manager of Managers, Private Equity HarbourVest Partners Total			\$ 1,200,000,000

Sub-Fund MWBE Investments*

Firm	MWBE Status	M/W Ownership	Committed Amount
Clearlake Capital Partners	Hispanic	77%	\$ 30,000,000
DBL Equity Fund – BAEF	Women	93%	7,500,000
ICV Partners	African-American	80%	25,000,000
One Rock Capital Partners	Asian-American	51%	45,200,000
Reverence Capital Partners	Hispanic-American	51%	25,000,000
Sycamore Partners	African-American	100%	51,000,000
HarbourVest Partners MWBE Total			\$ 183,700,000

Firm	MWBE Status	Substantially Owned and/or Operated MWBE	Committed Amount
EagleTree Capital	Asian-American	37%	\$ 75,000,000
Grey Mountain Partners	Asian-American / Women	45%	12,500,000
LightBay Capital Partners	Asian-American	50%	25,000,000
New Harbor Capital	Asian-American	41%	25,000,000
HarbourVest Partners Substantially Owned and/or Operated MWBE Total			\$ 137,500,000

* The New York State Common Retirement Fund often uses fund-of-funds or manager-of-managers asset managers as Emerging Manager Platforms to invest capital on its behalf. In many cases, these Emerging Manager Platforms are MWBEs that invest partially or exclusively in other MWBE (Sub-Fund) Asset Managers. Emerging Manager Platforms are not required to invest in only MWBE Sub-Funds.

Private Equity

Manager of Managers

As of March 31, 2020.

Direct Fund Investment

Firm	MWBE Status	M/W Ownership	Est. Market Value
JP Morgan	None	N/A	\$ 61,345,158
Manager of Managers, JP Morgan Total			\$ 61,345,158

Sub-Fund MWBE Investments*

Firm	MWBE Status	M/W Ownership	Est. Market Value
Falcon Mezzanine Partners	Asian-American	55%	\$ 554,821
ICV Partners	African-American	80%	368,291
Levine Leichtman Capital Partners	Women	51%	499,784
Pharos Capital Partners	African-American	68%	2,523,554
RLJ Equity Partners	African-American	100%	9,796,219
SW Pelham	African-American / Women	100%	187,607
JP Morgan MWBE Total			\$ 13,930,276

Firm	MWBE Status	Substantially Owned and/or Operated MWBE	Est. Market Value
Vicente Capital Partners	African-American	33%	\$ 3,739,738
Quaker Partners	Women	48%	1,628,611
JP Morgan Substantially Owned and/or Operated MWBE Total			\$ 5,368,349

The market values above represent commitments that were originally greater than \$450 million.

Co-Investment Funds

As of March 31, 2020.

In 2013, the Fund made a \$250 million commitment to Farol Asset Management, an Emerging Manager Program partner.

Firm	MWBE Status	M/W Ownership	Committed Amount
Farol Asset Management	African-American	75%	\$ 250,000,000
Co-Investment MWBE Total			\$ 250,000,000

* The New York State Common Retirement Fund often uses fund-of-funds or manager-of-managers asset managers as Emerging Manager Platforms to invest capital on its behalf. In many cases, these Emerging Manager Platforms are MWBEs that invest partially or exclusively in other MWBE (Sub-Fund) Asset Managers. Emerging Manager Platforms are not required to invest in only MWBE Sub-Funds.

Real Estate & Real Assets

Direct Investments

As of March 31, 2020.

The Fund has direct allocations with three MWBEs in the Real Estate & Real Assets asset class.

Active Allocations, Commitment Values

Firm	MWBE Status	M/W Ownership	Committed Amounts
Avanath Capital Management	African-American	42%	\$ 100,000,000
GreenOak	Asian-American	77%	200,000,000
Grain Management	African-American	100%	150,000,000
Real Estate Direct Investments MWBE Total			\$ 450,000,000

Manager of Managers

As of March 31, 2020.

In 2019, the Fund made a \$300 million commitment to GCM Grosvenor, an Emerging Manager Program Partner.

Direct Fund Investment

Firm	MWBE Status	M/W Ownership	Committed Amounts
GCM Grosvenor	None	N/A	\$ 300,000,000
Manager of Managers, Real Estate GCM Grosvenor Total			\$ 300,000,000

Sub-Fund MWBE Investments*

Firm	MWBE Status	M/W Ownership	Committed Amounts
Stillwater Asset Management	Women	100%	\$ 13,000,000
GCM Grosvenor MWBE Total			\$ 13,000,000

* The New York State Common Retirement Fund often uses fund-of-funds or manager-of-managers asset managers as Emerging Manager Platforms to invest capital on its behalf. In many cases, these Emerging Manager Platforms are MWBEs that invest partially or exclusively in other MWBE (Sub-Fund) Asset Managers. Emerging Manager Platforms are not required to invest in only MWBE Sub-Funds.

Real Estate

Emerging Manager Equity Joint Venture Program

As of March 31, 2020.

In 2011, the Fund made a \$300 million commitment to Artemis Real Estate Partners, an Emerging Manager Program partner. An additional commitment of up to \$500 million was made in 2014.

In 2018, a \$200 million investment was made to Artemis Real Estate Partners Income and Growth Fund.

Direct Fund Investment

Firm	MWBE Status	M/W Ownership	Committed Amount
Artemis Real Estate Partners	Women	70%	\$ 1,000,000,000
Manager of Managers, Real Estate Partners Equity Joint Venture Total			\$ 1,000,000,000

Sub-Fund MWBE Investments*

Firm	MWBE Status	M/W Ownership	Fair Value
Basis Investment Group	African-American / Women	51%	\$ 73,927,943
Blue Moon Senior Housing	Women	100%	1,685,315
Capstone Asset Management	African-American	51%	66,778,585
CRES Management	Women	51%	7,624,334
Forge Capital Partners	Hispanic / Women	54%	13,024,448
Griffith Properties	Women	100%	30,355,468
Hillcrest Finance	African-American / Women	77%	34,536,712
HN Gorin	Women	100%	25,683,698
Innovo Property Group	Asian-American	60%	19,871,520
Internacional Realty	Hispanic	80%	46,545,577
MCB Real Estate	African-American	54%	34,806,039
Olympus Properties	Hispanic	100%	19,708,181
Pillar Commercial	Hispanic / Women	100%	24,644,703
Sagebrook Development LLC	Women	100%	12,768,281
Artemis Real Estate Partners MWBE Total			\$ 411,960,804

Firm	MWBE Status	Substantially Owned and/or Operated MWBE	Committed Amount
Cruzan, LLC	Women	33%	\$ 16,751,138
Storage Solutions	Asian-American/ Women	40%	17,256,441
Artemis Real Estate Partners Substantially Owned and/or Operated MWBE Total			\$ 34,007,579

* The New York State Common Retirement Fund often uses fund-of-funds (FoF) or manager-of-managers (MoM) asset managers as Emerging Manager Platforms to invest capital on its behalf. In many cases, these Emerging Manager Platforms are MWBEs that invest partially or exclusively in other MWBE (Sub-Fund) Asset Managers. Emerging Manager Platforms are not required to invest in only MWBE Sub-Funds.

Absolute Return Strategy

Direct Investments

As of March 31, 2020.

The Fund has a direct allocation with two MWBE in the Absolute Return Strategy asset class.

Direct Fund Investment

Firm	MWBE Status	M/W Ownership	Est. Market Value
Schultze Asset Management	Hispanic / Women	100%	\$ 2,297,169
BCK Capital	Asian-American / Women	100%	54,882,029
Absolute Return Strategy Direct Investments MWBE Total			\$ 57,179,198

Manager of Managers

As of March 31, 2020.

RockCreek, an Emerging Manager Program Partner, has been an investment manager for the Fund since 2010.

Direct Fund Investment

Firm	MWBE Status	M/W Ownership	Est. Market Value
RockCreek	Asian-American / Women	100%	\$ 212,307,372
Manager of Managers, RockCreek Total			\$ 212,307,372

Sub-Fund Investments*

Firm	MWBE Status	M/W Ownership	Est. Market Value
HG Vora Capital Management, LLC	Asian-American	90%	\$ 36,071,380
Hollis Park Partners, LP	African-American / Asian-American	86%	37,870,291
Lomas Capital Management, LLC	Hispanic	56%	35,056,374
Tiger Pacific Capital LP	Asian-American	100%	46,496,261
RockCreek MWBE Total			\$ 155,494,306

* The New York State Common Retirement Fund often uses fund-of-funds or manager-of-managers asset managers as Emerging Manager Platforms to invest capital on its behalf. In many cases, these Emerging Manager Platforms are MWBEs that invest partially or exclusively in other MWBE (Sub-Fund) Asset Managers. Emerging Manager Platforms are not required to invest in only MWBE Sub-Funds.

Opportunistic Investments

Direct Investments

As of March 31, 2020.

The Fund has direct allocations with eight MWBEs in the Opportunistic asset class.

Direct Fund Investments

Firm	MWBE Status	M/W Ownership	Committed Amount
ADV Partners	Asian-American	51%	\$ 275,000,000
Brightwood Capital Advisors	African-American	100%	400,000,000
Clearlake Capital Partners	Hispanic	77%	250,000,000
Hollis Park Partners	African-American / Asian-American	86%	150,000,000
Stellex Capital Management	African-American	51%	300,000,000
Strategic Value Partners	Asian-American	75%	150,000,000
Vivo Capital	Asian-American	84%	100,000,000
Opportunistic Investment Direct Investments MWBE Total			\$ 1,625,000,000

Firm	MWBE Status	Substantially Owned and/or Operated MWBE	Committed Amount
Pacific Alternative Asset Management	African-American / Hispanic	49%	\$ 400,000,000
Opportunistic Investment Substantially Owned and/or Operated MWBE Total			\$ 400,000,000

Broker/Dealers

Broker/Dealers

As of March 31, 2020.

The following MWBE broker/dealers were utilized for strategies managed internally during the fiscal year.

Equity

Firm	MWBE Status	M/W Ownership
Great Pacific Securities, Inc.	Hispanic	51%
Guzman & Co.	Hispanic / Women	100%
Loop Capital Markets	African-American	80%
Penserra & Co.	Asian-American / Hispanic / Women	61%
Siebert Williams Shank & Co. LLC	African-American / Hispanic / Women	93%

Fixed Income

Firm	MWBE Status	M/W Ownership
Ramirez & Co.	Hispanic	54%
Great Pacific Securities, Inc.	Hispanic	51%
Siebert Williams Shank & Co. LLC	African-American / Hispanic / Women	93%

Service Providers

Consultants

As of March 31, 2020.

Firm	MWBE Status	M/W Ownership
Lenox Park Solutions	African-American / Hispanic / Asian-American	57%
RVK	African-American / Asian-American / Women	56%

Law Firms

As of March 31, 2020.

Firm	MWBE Status	M/W Ownership
Milberg LLP	Women	50%
Pinckney, Weidinger, Urban & Joyce LLP	Women	75%
Saxena White	Asian-American / Women	51%

Firm	MWBE Status	Substantially Owned and/or operated MWBE
Berman Tabacco	Women	39%
Lieff Cabraser Heimann & Bernstein, LLP	African-American / Women	33%
Orrick, Herrington & Sutcliffe LLP	African-American / Women	39%

Supplemental Information

Emerging Manager Program

The New York State Common Retirement Fund’s Emerging Manager Program began in 1994 with an allocation of \$49 million to Progress Investment Management Company, a minority- and women-owned firm.

In October 2007, Comptroller DiNapoli stated: “One of my top priorities has been to expand the diversity of our manager pools. The firms in our Emerging Manager Program, the majority of which are women- and minority-owned, have proven to be more entrepreneurial, focusing on smaller ends of the market. These investments have created a stabilizing force for the Fund.”

Today, the Fund utilizes 11 manager-of-managers Emerging Manager Program partners and also direct investments in order to deploy capital to emerging investment managers. The partners help us identify emerging managers in the public equity, private equity, absolute return, opportunistic, and real estate asset classes. In addition, the Emerging Manager Program makes select direct investments with managers across asset classes.

Program Overview

As of March 31, 2020. (Dollars in Millions)

Asset Class	Type of Investment	Total Assets
Public Equities	Direct & Emerging Manager Program Partners	\$ 1,682.4
Fixed Income	Direct	556.1
Private Equity	Emerging Manager Program Partners	1,724.1
Private Equity Co-Invest	Emerging Manager Program Partners	250.0
Absolute Return	Emerging Manager Program Partners	267.2
Opportunistic	Direct & Emerging Manager Program Partners	675.0
Real Estate & Real Assets	Direct & Emerging Manager Program Partners	1,550.0
Total		\$ 6,704.8

A combination of committed values and estimated market values are primarily utilized for measurement of Total Assets above. For select Opportunistic, Real Estate and Private Equity vehicles, commitment values are utilized, as indicated further in the report. Committed values are only utilized for vehicles in the active period of investing where market value is not representative of the contractual nature of the full relationship with the MWBE participant.

As of March 31, 2020, investment firms participating in the Emerging Manager Program managed an estimated \$6.7 billion in assets for the Common Retirement Fund. The Emerging Manager Program was established to:

- Invest in newer, smaller and diverse investment management firms;
- Access the next generation of talent in the investment field; and
- Provide opportunities for the CRF to invest with qualified traditional MWBEs and MWBEs substantially owned or operated by minorities or women.

The Emerging Manager Program partners, detailed in the next table, extend our emerging manager platform. They include Progress Investment Management, FIS Group, Leading Edge Investment Advisors, HarbourVest Partners, Muller & Monroe, Farol Asset Management, Artemis Real Estate Partners, RockCreek, StepStone Group, JP Morgan and GCM Grosvenor. These program partners have enabled the Fund to cultivate, develop, and incubate the next generation of external investment managers as candidates for transition into the core portfolio.

Over the last 20 years, the CRF has transitioned 19 managers from the Emerging Manager Program, including thirteen MWBEs from the Emerging Manager Program's portfolio, into the CRF's core portfolio.

Firms seeking to explore opportunities with the Emerging Manager Program may utilize multiple avenues. Strategy materials and details may be sent to emergingmanager@osc.ny.gov. In addition, contact information for the Emerging Manager Program partners is detailed on the Emerging Manager Program website at www.osc.state.ny.us/pension/emerging.

Emerging Manager Program Partners

Managers of Managers

As of March 31, 2020.

Based on Current Market Value. (Dollars in Millions)

Manager of Managers	MWBE Ownership	MWBE Categories	Program Type	Est. Market Value
FIS Group	63%	African-American / Women	Global Equity	\$ 988
Leading Edge Investment Advisors	100%	Asian-American	U.S. Equity Small and Mid Cap	332
Progress Investment Management Company	100%	African-American Women Asian	Global and U.S. Equity Mid Cap	926
RockCreek	100%	Women Asian-American	Absolute Return	212
StepStone Group	–	Non-MWBE	Legacy Private Equity	22
JP Morgan Asset Management	–	Non-MWBE	Legacy Private Equity	61

Based on Committed Amounts. (Dollars in Millions)

Manager of Managers	MWBE Ownership	MWBE Categories	Program Type	Committed Amount
Artemis Real Estate Partners	70%	Women	Real Estate	\$ 1,000
Farol Asset Management	75%	African-American	Private Equity Co-Investment Program	250
GCM Grosvenor	–	Non-MWBE	Real Estate	300
HarbourVest Partners	–	Non-MWBE	Private Equity Fund of Funds	1,200
Muller & Monroe	52%	African-American	Private Equity Fund of Funds	440

Annual Emerging Manager & MWBE Conference

The New York State Common Retirement Fund hosts its combined Emerging Manager & MWBE

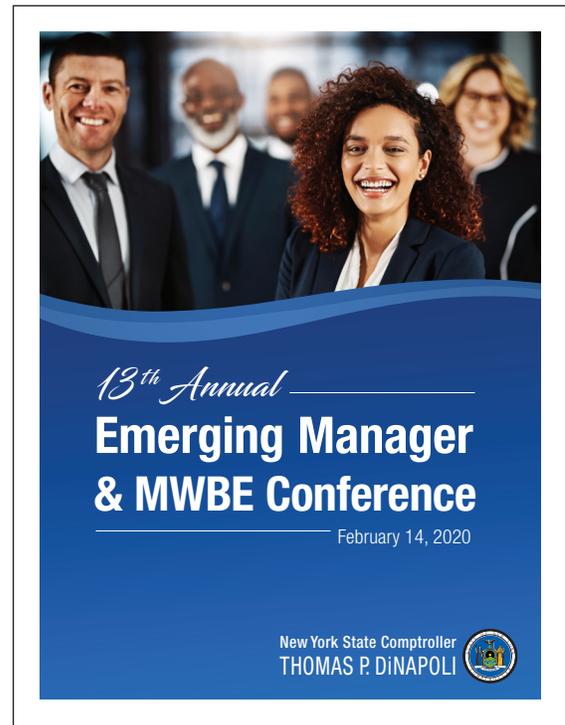
Conference annually in February. The conference offers an opportunity for managers to meet with CRF staff and the Fund's investment partners, as well as to network with industry peers, consultants, and other institutional investors. Managers are able to learn how the CRF selects and monitors investment partners and constructs a well-balanced portfolio.

On February 14, 2020, the CRF hosted its Thirteenth Annual Emerging Manager & MWBE Conference in Albany, New York. The conference was attended by more than 700 people representing emerging managers and emerging manager investors, many of whom were part of minority- and women-owned business enterprises. In addition, staff members from pension plans in several other states which are interested in replicating our all-asset-class approach attended. In welcoming their guests,

Comptroller Thomas P. DiNapoli and Chief Investment Officer Anastasia Titarchuk outlined the growth of the Emerging Manager Program and emphasized the Fund's abiding commitment to achieving strong investment results.

The keynote speaker was Francisco L. Borges, Chairman and Managing Partner of Landmark Partners, who detailed his path to growing a successful firm.

Event registration for the February 12, 2021 conference will open in early January 2021. Additional details will be available on the New York State Common Retirement Fund Emerging Manager website: www.osc.state.ny.us/pension/emerging.



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