

CLIMATE TRANSPARENCY REPORT 2019

New York State Local Retirement System

About the Climate-related Disclosure Indicators

Climate has been identified as a top priority for PRI signatories, with over 70% of asset owners reporting this as the most important long-term trend they are acting on.

The FSB Task Force's guidance on climate-related financial disclosure aim to create a single framework for disclosure on assessment and management of climate-related risk. The recommendations, supported by investors representing US\$22 trillion, identify four main disclosures, Governance, Strategy, Risk Management, Metrics and Targets, and include specific guidance for asset owners and managers.

As a result, the PRI introduced climate-related disclosure indicators that can be used to align with the TCFD recommendations in the 2019 PRI Reporting Framework.

About this report

The PRI will not publish this report on its website if you have designated your 2019 climate reporting as "private". Otherwise, you will be able to access the Climate Transparency Report of your organisation and that of other signatories on the PRI website and on the Data Portal.

To easily locate information, there is a **Recommendation index** which summarises the indicators that signatories complete and disclose. The report presents information exactly as it was reported as per signatory preference. Where an indicator offers a response option that is multiple-choice, all options that were available to the signatory are presented in this report.



TCFD Recommendations Index

Strategy and Governance - CC			TCFD Recommendation				
Indicator	Reported	Disclosure	Governance	Strategy	Risk Management	Metrics & Targets	
SG 01.1	√	Public					
SG 01.2	✓	Public					
SG 01.3	√	Public					
SG 01.4	√	Public					
SG 01.5	-	Public					
SG 01.6 CC	√	Public					
SG 01.7 CC	√	Public					
SG 01.8 CC	√	Public					
SG 01.9 CC	√	Public					
SG 01.10 CC	√	Public					
SG 01.11 CC	-	Public					
SG 01.12 CC	√	Public					
SG 02.2	√	Public					
SG 07.5 CC	√	Public					
SG 07.6 CC	√	Public					
SG 07.7 CC	√	Public					
SG 07.8 CC	-	Public					
SG 13.1	√	Public					
SG 13.2	√	Public					
SG 13.4 CC	√	Public					
SG 13.5 CC	√	Public					
SG 13.6 CC	✓	Public					
SG 13.7 CC	√	Public					
SG 13.8 CC	√	Public					
SG 14.1	√	Public					
SG 14.2	√	Public					
SG 14.3	√	Public					
SG 14.4	-	Public					
SG 14.5	-	Public					
SG 14.6 CC	√	Public					
SG 14.7 CC	-	Public					
SG 14.8 CC	√	Public					
SG 14.9 CC	√	Public					
SG 15.1	√	Public					
SG 15.2	√	Public					
SG 15.3	√	Public					

Symbol	Status					
✓	The signatory has completed this sub-indicator					
-	- The signatory did not complete this sub-indicator.					
This indicator is relevant to the named TCFD recommendation						
Within the first column "Indicator", indicators marked in blue are mandatory to complete. Indicators marked in grey are voluntary to complete.						



ORGANISATIONAL OVERVIEW

This section provides an overview of your organisation. These characteristics are used to define your peer groups.

MAIN CHARACTERISTICS

Name New York State Local Retirement System

Signatory Category

Non-corporate pension or superannuation or retirement or

provident fund or plan

Signatory Type Asset Owner

Size US\$ > 50 billion AUM

Main Asset Class Multi-Asset

Signed PRI Initiative 2006

Region North America
Country United States

Disclosure of Voluntary Indicators 25% from 38 Voluntary indicators



New York State Local Retirement System

Reported Information

Public version

Strategy and Governance

PRI disclaimer

This document presents information reported directly by signatories. This information has not been audited by the PRI Secretariat or any other party acting on their behalf. While this information is believed to be reliable, no representations or warranties are made as to the accuracy of the information presented, and no responsibility or liability can be accepted for any error or omission.



Investment policy

SG 01 Mandatory Public Core Assessed General

New selection options have been added to this indicator. Please review your prefilled responses carefully.

SG 01.1

Indicate if you have an investment policy that covers your responsible investment approach.

Yes

SG 01.2

Indicate the components/types and coverage of your policy.

Select all that apply

Policy components/types	Coverage by AUM
☑ Policy setting out your overall approach	Applicable policies cover all AUM
☑ Formalised guidelines on environmental factors	O Applicable policies cover a majority of AUM
☑ Formalised guidelines on social factors	O Applicable policies cover a minority of AUM
☑ Formalised guidelines on corporate governance factors	
☑ Fiduciary (or equivalent) duties	
☑ Asset class-specific RI guidelines	
☐ Sector specific RI guidelines	
☑ Screening / exclusions policy	
☑ Engagement policy	
☑ (Proxy) voting policy	
☐ Other, specify (1)	
☐ Other, specify(2)	



SG 01.3	Indicate if the investment policy covers any of the following							
☑ Your organisation's definition of ESG and/or responsible investment and it's relation to investments								
☑ Your inve	estment objectives that take ESG factors/real economy influence into account							
☐ Time hor	izon of your investment							
☑ Governar	nce structure of organisational ESG responsibilities							
☑ ESG inco	prporation approaches							
☑ Active over the second of the second	nership approaches							
☑ Reporting								
☑ Climate of the control of the	change							
□ Understa	☐ Understanding and incorporating client / beneficiary sustainability preferences							
☐ Other RI considerations, specify (1)								
☐ Other RI	considerations, specify (2)							

SG 01.4

Describe your organisation's investment principles and overall investment strategy, interpretation of fiduciary (or equivalent) duties, and how they consider ESG factors and real economy impact.

The New York State Common Retirement Fund's investment philosophy includes that "we consider ESG factors in our investment process because they can influence both risk and return." This philosophy affirms our belief that ESG factors can affect financial performance and should factor into investment decisions when they are material.

O No

I confirm I have read and understood the Accountability tab for SG 01

I confirm I have read and understood the Accountability tab for SG 01

SG 01 CC Voluntary Public Descriptive General

SG 01.6 CC Indicate the climate-related risks and opportunities that have been identified and factored into the investment strategies and products, within the organisation's investment time horizon.

The New York State Common Retirement Fund (Fund) has identified the following climate risks and opportunities:

Transition risks: such as regulatory risks in light of the Paris Agreement and other expected policy actions; and, opportunities: new and expanded low carbon technologies, and infrastructure to support climate solutions. Physical risks: including impacts from extreme weather events, water scarcity, and sea level rise on the Fund's investments.

SG 01.7 CC Indicate whether the organisation has assessed the likelihood and impact of these climate risks?

Yes



SG 01.8 CC

Indicate the associated timescales linked to these risks and opportunities.

The Fund believes that regulatory risks in developed markets are one of the most pressing short-term risks. Although low carbon technologies may pose risks for specific industries or companies, there will also be opportunities to invest in climate solutions over the short to medium term. Extreme weather events currently pose a threat to the Fund's portfolio, but measuring risks is challenging due to difficulties in accurately projecting weather events at the local level.

 \bigcirc No

SG 01.9 CC

Indicate whether the organisation publicly supports the TCFD?

Yes

 \bigcirc No

SG 01.10 CC Indicate whether there is an organisation-wide strategy in place to identify and manage material climate-related risks and opportunities.

Yes

Describe

The Fund has a multi-faceted approach to addressing climate risks and investing in opportunities, which includes sustainable investment, active ownership and public policy advocacy components.

The Fund has committed \$10 billion to its Sustainable Investment Program focusing on investments in sustainable strategies including climate solutions.

The Fund filed over 140 climate-related shareholder resolutions, resulting in 55 agreements to analyze climate risks, to set goals for greenhouse gas emissions reductions, and to implement energy efficiency improvements and increase the use of clean energy.

The Fund provides public policy leadership on climate issues that may impact the Fund's returns, at the global, federal and state levels.

O No

SG 1.12 CC Indicate the documents and/or communications the organisation uses to publish TCFD disclosures

- ☑ Public PRI Climate Transparency Report
- ☑ Annual financial filings
- ☐ Regular client reporting
- ☐ Other

SG 02 Mandatory

Public

Core Assessed

PRI 6

New selection options have been added to this indicator. Please review your prefilled responses carefully.



SG 02.1

Indicate which of your investment policy documents (if any) are publicly available. Provide a URL and an attachment of the document.

☑ Policy setting out your overall approach **URL/Attachment ☑** URL URL {hyperlink:http://www.osc.state.ny.us/pension/investment-philosophy.pdf} ☐ Attachment (will be made public) ☐ Formalised guidelines on environmental factors $\hfill\Box$ Formalised guidelines on social factors ☐ Formalised guidelines on corporate governance factors ☐ Fiduciary (or equivalent) duties ☐ Asset class-specific RI guidelines ☐ Screening / exclusions policy ☑ Engagement policy **URL/Attachment ☑** URL URL {hyperlink:https://www.osc.state.ny.us/pension/corporategovernance.htm} ☐ Attachment (will be made public) ☑ (Proxy) voting policy **URL/Attachment ☑** URL URL {hyperlink:https://www.osc.state.ny.us/pension/proxy-voting.htm} ☐ Attachment (will be made public) ☐ We do not publicly disclose our investment policy documents Indicate if any of your investment policy components are publicly available. Provide URL and SG 02.2 an attachment of the document. ☑ Your organisation's definition of ESG and/or responsible investment and it's relation to investments **URL/Attachment**

☑ URL



URL
{hyperlink:http://www.osc.state.ny.us/reports/esg-report-mar2017.pdf}
☐ Attachment
☑ Your investment objectives that take ESG factors/real economy influence into account
URL/Attachment
☑ URL
URL
{hyperlink:http://www.osc.state.ny.us/reports/esg-report-mar2017.pdf}
☐ Attachment
☐ Governance structure of organisational ESG responsibilities
☑ ESG incorporation approaches
URL/Attachment
☑ URL
URL
{hyperlink:http://www.osc.state.ny.us/reports/esg-report-mar2017.pdf}
☐ Attachment
☑ Active ownership approaches
URL/Attachment
☑ URL
URL
{hyperlink:http://www.osc.state.ny.us/pension/corporategovernance.htm}
□ Attachment
□ Reporting
☐ Climate change
☐ We do not publicly disclose any investment policy components

Governance and human resources

SG 07 CC Voluntary	Public	Descriptive	General
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SG 07.5 CC Indicate the roles in the organisation that have oversight, accountability and/or management responsibilities for climate-related issues.



	Board members or trustees
✓ Overs	ight/accountability for climate-related issues
☐ Asses	ssment and management of climate-related issues
□ No re	sponsibility for climate-related issues
	Chief Executive Officer (CEO), Chief Investment Officer (CIO), Chief Risk Officer (CRO), Investment Committee
✓ Overs	sight/accountability for climate-related issues
✓ Asses	ssment and management of climate-related issues
□ No re	sponsibility for climate-related issues
	Other Chief-level staff or head of department
✓ Overs	sight/accountability for climate-related issues
✓ Asses	ssment and management of climate-related issues
□ No re	sponsibility for climate-related issues
	Portfolio managers
✓ Overs	sight/accountability for climate-related issues
✓ Asses	ssment and management of climate-related issues
□ No re	sponsibility for climate-related issues
	Investment analysts
✓ Overs	sight/accountability for climate-related issues
✓ Asses	ssment and management of climate-related issues
□ No re	sponsibility for climate-related issues
	Dedicated responsible investment staff
	sight/accountability for climate-related issues
✓ Asses	ssment and management of climate-related issues
□ No re	sponsibility for climate-related issues
	External managers or service providers
	ight/accountability for climate-related issues
✓ Asses	ssment and management of climate-related issues



 $\hfill\square$ No responsibility for climate-related issues

SG 07.6 CC For board level roles for which have climate-related issues oversight/accountability or implementation responsibilities, indicate how these responsibilities are executed.

Comptroller DiNapoli, as the Trustee of the Fund, is responsible for its investments on behalf of the more than one million members of the New York State and Local Retirement System. The Comptroller adopts climate-related investment strategies with advice from the Fund's senior management, in-house and external counsel, consultants, and managers. Additionally, the Decarbonization Advisory Panel established in 2018 will provided its recommendations for additional decarbonization investment strategies to the Comptroller for his consideration.

SG 07.7 CC For the management-level roles that assess and manage climate-related issues, provide further information on the structure and process involved.

The Chief Investment Officer appointed by the Comptroller formulates the Fund's overall investment strategy, including climate-related strategy, with the assistance of Investment and Corporate Governance staff, the Risk Management team, and relevant consultants and managers.

The Corporate Governance staff together with the Director of Environmental Affairs develop a strategic plan for achieving addressing climate risks and opportunities regarding portfolio companies, active ownership, and public policy initiatives.

Explain how the organisation engages external investment managers on the TCFD recommendations and its implementation.

Incorporation of TCFD in Annual Report
Incorporation of TCFD in regular client reporting
Request that investment managers complete PRI Climate indicators
Request responses to TCFD Fund Manager questions in the PRI Asset Owner guide

ESG issues in asset allocation

SG 13 Mandatory Public Descriptive PRI 1

SG 13.1

Indicate whether the organisation undertakes scenario analysis and/or modelling and provide a description of the scenario analysis (by asset class, sector, strategic asset allocation, etc.).

- $\hfill \square$ Yes, to assess future ESG factors
- $\ensuremath{\square}$ Yes, to assess future climate-related risks and opportunities

Describe

- .The Fund participated in Mercer's 2015 scenario study, which assessed the impact of climate change on the total portfolio
- ☐ No, not to assess future ESG/climate-related issues

SG 13.2

Indicate if your organisation considers ESG issues in strategic asset allocation and/or allocation of assets between sectors or geographic markets.



	We do the following							
☐ Allocatio	☐ Allocation between asset classes							
☐ Determin	☐ Determining fixed income duration							
☐ Allocatio	on of assets between geographic ma	rkets						
□ Sector w	veightings							
☐ Other, s	☐ Other, specify							
☑ We do n	ot consider ESG issues in strategic	asset allocation						
SG 13 CC Volu	ntary	Public	Descriptive	Genera				
SG 13.4 CC	Describe how the organisation is us opportunities, including how the ana							
✓ Initial asse	ssment							
	Describe							
suffer most Fund's con	The Fund's public equity allocations in the event of swift/strong policy ac struction of the Fund's Low Emission on into investment analysis we ownership	ction such as envisi	oned a 2 degree scenario. This le	ed to the				
SG 13.5 CC	Indicate who uses this analysis.							
☑ Board men	nbers, trustees, C-level roles, Investi	ment Committee						
☑ Portfolio m	anagers							
☐ Dedicated	responsible investment staff							
☐ External m	anagers							
☐ Investment	consultants/actuaries							
☐ Other								
SG 13.6 CC	Indicate whether the organisation the investment time-horizon, on the		impacts of climate-related risk, be stment strategy.	eyond				
○ Yes								
No								
	Please explain the rationale							

The Fund's investment time horizon is long term and perpetual. The Mercer study focused on a 35 year timeframe from 2015 through 2050, which is within the Fund's investment time horizon.



SG 13.7 CC

Indicate whether a range of climate scenarios is used.

- $\ensuremath{\text{@}}$ Yes, including analysis based on a 2°C or lower scenario
- Yes, not including analysis based on a 2°C or lower scenario
- O No, a range is not used

SG 13.8 CC

Indicate the climate scenarios the organisation uses.



Provider	Scenario used				
IEA	☐ Beyond 2 Degrees Scenario (B2DS)				
IEA	☐ Energy Technology Perspectives (ETP) 2 Degrees scenario				
IEA	☐ Sustainable Development Scenario (SDS)				
IEA	☐ New Policy Scenario (NPS)				
IEA	☐ Current Policy Scenario (CPS				
IRENA	☐ RE Map				
Greenpeace	☐ Advanced Energy [R]evolution	;			
Institute for Sustainable Development	☐ Deep Decarbonisation Pathway Project (DDPP)		-		
Bloomberg	☐ BNEF reference scenario		-		
IPCC	☐ Representative Concentration Pathway (RCP) 8.5				
IPCC	□ RPC 6		-		
IPCC	□ RPC 4.5				
IPCC	□ RPC 2.6				
Other	☑ Other (1)			(1) please specify: proprietary climate scenarios	
Other	□ Other (2)				
Other	☐ Other (3)				
SG 14	Mandatory to Report Voluntary to		Public	Additional Assessed	PRI 1



SG 14.1

Some investment risks and opportunities arise as a result of long term trends. Indicate which of the following are considered.

- ☑ Changing demographics
- ☑ Climate change
- ☑ Resource scarcity
- ☑ Other, specify(1)

other description (1)

Climate regulations such as carbon pricing and fuel standards

☑ Other, specify(2)

other description (2)

Physical impacts such as sea level rise

☐ None of the above

SG 14.2

Indicate which of the following activities you have undertaken to respond to climate change risk and opportunity

- ☐ Established a climate change sensitive or climate change integrated asset allocation strategy
- ☑ Targeted low carbon or climate resilient investments

Specify the AUM invested in low carbon and climate resilient portfolios, funds, strategies or asset classes.

	trillions	billions	millions	thousands	hundreds
Total AUM		5	000	000	000
Currency	USD				
Assets in USD		5	000	000	000



Specify the framework or taxonomy used.

Sustainable Investment Program (PGS 15-18) https://www.osc.state.ny.us/reports/esg-report-mar2017.pdf ☐ Phase out your investments in your fossil fuel holdings ☑ Reduced portfolio exposure to emissions intensive or fossil fuel holdings ☑ Used emissions data or analysis to inform investment decision making ☑ Sought climate change integration by companies ☑ Sought climate supportive policy from governments ☐ Other, specify ☐ None of the above Indicate which of the following tools the organisation uses to manage climate-related risks and SG 14.3 opportunities. ☑ Scenario analysis ☐ Disclosures on emissions risks to clients/trustees/management/beneficiaries ☐ Climate-related targets ☑ Encouraging internal and/or external portfolio managers to monitor emissions risks ☐ Emissions-risk monitoring and reporting are formalised into contracts when appointing managers ☑ Weighted average carbon intensity ☑ Carbon footprint (scope 1 and 2) ☑ Portfolio carbon footprint ☐ Total carbon emissions ☐ Carbon intensity ☑ Exposure to carbon-related assets ☐ Other emissions metrics ☑ Other, specify other description Exposure to low carbon and sustainable investments ☐ None of the above

SG 14 CC Voluntary Public General

SG 14.6 CC Please provide further details on these key metric(s) used to assess climate related risks and opportunities.



Metric Type	Coverage	Purpose	Metric Unit	Metric Methodology
Weighted average carbon intensity	☐ All assets☑ Majority of assets☐ Minority of assets	To inform investment decision, active ownership program	Tons CO2e / US\$ Market Cap	Scope 1 and Scope 2 GHG emissions are allocated based on portfolio weights
Carbon footprint (scope 1 and 2)	☐ All assets ☑ Majority of assets ☐ Minority of assets	To inform investment decision, active ownership program	Tons CO2e / US\$ Market Cap	Scope 1 and Scope 2 GHG emissions are allocated based on portfolio weights
Portfolio carbon footprint	☐ All assets ☐ Majority of assets ☐ Minority of assets	To inform investment decision, active ownership program	Tons CO2e / US\$ Market Cap	Scope 1 and Scope 2 GHG emissions are allocated based on portfolio weights
Exposure to carbon-related assets	☐ All assets☑ Majority of assets☐ Minority of assets	To inform investment decision, active ownership program	US\$ and % of investments in carbon related-assets	US\$ and % of investments in carbon related-assets US \$

SG 14.8 CC Indicate whether climate-related risks are integrated into overall risk management and explain the risks management processes for identifying, assessing, and managing climate-related risks.

Process for climate-related risks is integrated into overall risk management

Please describe

The Fund conducts comprehensive environmental, social and governance (ESG) assessments for all new investments and conducts an annual climate risk assessment by measuring the carbon footprint of the Fund's public equity portfolio (which had an 8.8 percent lower overall emissions profile than its benchmark in 2018).

 $\ \bigcirc$ Process for climate-related risks is not integrated into our overall risk management

SG 14.9 CC Indicate whether the organisation undertakes active ownership activities to encourage TCFD adoption.

Yes



Please describe

The Fund has filed a number of shareholder proposals with energy and electric utility companies, resulting in agreements on enhanced disclosures including two degree scenario analysis and GHG emissions reduction targets, recommended by the TCFD. The Fund has been the lead investor of the Climate Action 100+ investor engagement groups, asking Exxon, American Electric Power, and Martin Marietta to adopt the TCFD recommendations

O No, we do not engage

			datory to Report Voluntary to close	Public	Descriptive	PRI 1				
				icate if your organisation allocates assets to, or manages, funds based on specific vironmental and social themed areas.						
	Yes	5								
SG 15.2			Indicate the percentage of your areas.	Indicate the percentage of your total AUM invested in environmental and social themed areas.						
			%							
	3	3.5								
SG 15.3			Specify which thematic area(particular asset class and pro		indicate the percentage of your cription.	ur AUM in the				
			Area	Area						
		☑ En	ergy efficiency / Clean technology							
			Asset class invested							
			☐ Listed equity	ted equity						
			☐ Fixed income - SSA	ted income - SSA						
			☐ Fixed income - Corporate (finance	ed income - Corporate (financial)						
			☐ Fixed income - Corporate (non-fi	nancial)						
			☐ Fixed income - Securitised	ed income - Securitised						
			✓ Private equity							
			% of AUM							
			1							
			□ Property							
			☐ Hedge funds							
			□ Cash							



Brief description and measures of investment

CAFR

https://www.osc.state.ny.us/retire/word_and_pdf_documents/publications/cafr/cafr_18.pdf

Press Release

https://www.osc.state.ny.us/press/releases/jan18/013118.htm

https://www.osc.state.ny.us/press/releases/jan18/013118.htm

https://www.osc.state.ny.us/press/releases/dec15/120415.htm

□ Renewable energy
☑ Green buildings
Asset class invested
☐ Listed equity
☐ Fixed income - SSA
☐ Fixed income - Corporate (financial)
☐ Fixed income - Corporate (non-financial)
☐ Fixed income - Securitised
☐ Private equity
☑ Property
% of AUM
1
☐ Hedge funds
□ Cash
Brief description and measures of investment
CAFR
https://www.osc.state.ny.us/retire/word_and_pdf_documents/publications/cafr/cafr_18.pdf
Press Release
https://www.osc.state.ny.us/press/releases/jan18/013118.htm
https://www.osc.state.ny.us/press/releases/jan18/013118.htm
https://www.osc.state.ny.us/press/releases/dec15/120415.htm
☐ Sustainable forestry
☐ Sustainable agriculture
☐ Microfinance
□ SME financing
☐ Social enterprise / community investing
☑ Affordable housing



		Asset class invested		
☐ Listed equity				
	☐ Fixed in	ncome - SSA		
	☐ Fixed in	☐ Fixed income - Corporate (financial)☐ Fixed income - Corporate (non-financial)		
	☐ Fixed in			
	☐ Fixed in	ncome - Securitised		
	☐ Private	equity		
		у		
		% of AUM		
	1			
	☐ Hedge funds			
	☐ Cash			
		Brief description and measures of investment		
	CAFR			
	https://www.osc.state.ny.us/retire/word_and_pdf_documents/publications/cafr/cafr_18.pdf			
	Press Relea	se		
https://www.osc.state.ny.us/press/releases/jan18/013118.htm				
https://www.osc.state.ny.us/press/releases/jan18/013118.htm				
	https://www.	osc.state.ny.us/press/releases/dec15/120415.htm		
	Education			
	Global healtl	1		
	Water			
	Other area,			
	Low Carbon			
		Asset class invested		
☑ Listed equity				
		O/ of ALIM		
		% of AUM		
	2			



☐ Fixed income - SSA
$\hfill\Box$ Fixed income - Corporate (financial)
☐ Fixed income - Corporate (non-financial)
\square Fixed income - Securitised
☐ Private equity
☐ Property
☐ Hedge funds
□ Cash

Brief description and measures of investment

CAFR

https://www.osc.state.ny.us/retire/word_and_pdf_documents/publications/cafr/cafr_18.pdf

Press Release

https://www.osc.state.ny.us/press/releases/jan18/013118.htm

https://www.osc.state.ny.us/press/releases/jan18/013118.htm

https://www.osc.state.ny.us/press/releases/dec15/120415.htm

 \bigcirc No

