

NYAPPA (formerly SUNY PPAA/NYAPPA) 2024 Winter CONFERENCE

Karren Bee-Donohoe
Associate Vice Chancellor for Capital Facilities
February 2024





AGENDA

New OCF Staff

Executive Orders

Plastics

Campus Lets

AiM

Res Hall Program

New Staff



David Pippin



Anthony Kourmoulakis



Jess Laramie



Post Pandemic Challenges

- Student Enrollment
 - Sufficient Capital
 - Hiring
 - Executive Orders

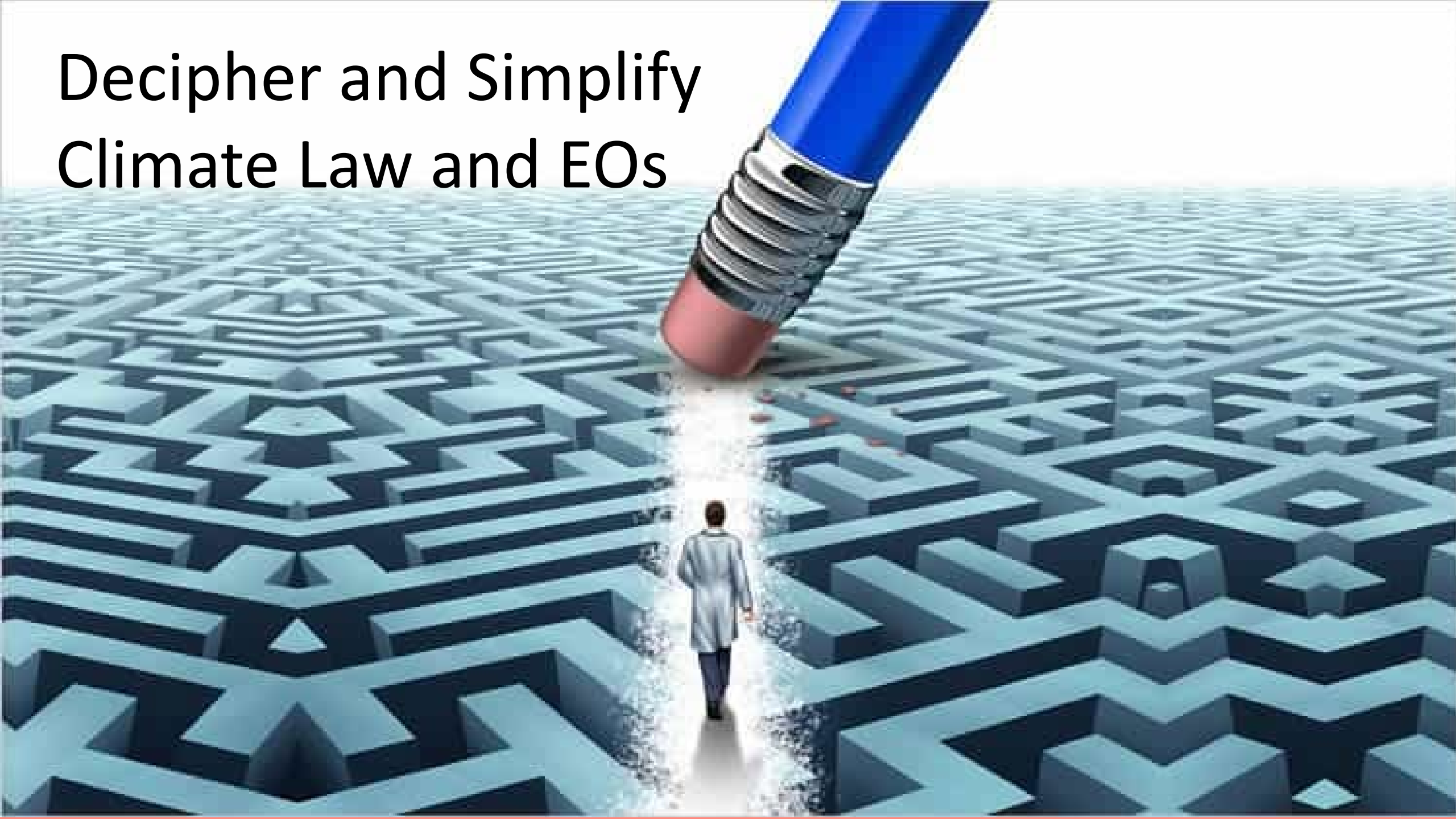
Helping you meet
your expectations



SUNY and Private Colleges & Universities + Fund, OCF, & DASNY – One Mission



Decipher and Simplify Climate Law and EOs



CLCPA or Climate Law

- January 1, 2020
- December 2022 – Scoping Plan
- January 2024 Draft
Enforceable Regulations



1. Doreen Harris - New York State Energy Research and Development Authority, **President and CEO**
2. Basil Seggos - New York State Department of Environmental Conservation, **Commissioner**
3. Richard Ball - New York State, **President – 6**
4. Marie Therese Dominguez - New York State, **Commissioner – 7**
5. Thomas Falcone - Long Island, **CEO – 6**
6. Hope Knight - Empire State, **Chair – 1**
7. Justin Driscoll - New York, **Secretary of State – 1**
8. Roberta Reardon - New York, **Founder – 1**
9. Rory Christian - New York, **Executive Director – 2**
10. Robert J. Rodriguez - New York, **Principle – 1**
11. RuthAnne Visnauskas - New York, **Head of Energy and Sustainability – 1**
12. James McDonald - New York, **Professor – 1**
13. Mario Cilento - NYS AFL-CIO, **Dean – 1**
14. Rose Harvey - New City Parks, **Dean of School of Marine and Atmospheric Sciences**
15. Raya Salter - Imagine Power, **President and CEO**
16. Anne Reynolds - Alliance for Climate Action, **President**
17. Dennis Elsenbeck - Phillips 66, **President**
18. Bob Howarth - Cornell University, **President**
19. Paul Shepson - Stony Brook University, **Dean of School of Marine and Atmospheric Sciences**
20. Gavin Donohue - Independent Power Producers of New York, **President and CEO**
21. Donna L. DeCarolus - National Fuel Gas Distribution Corporation, **President**

CLCPA Council

CEO

Executive Order 22

September 2022

- EO22 Wide Ranging
- Previous 111, 04, 18, 88, 166 more focused



EO22 Leading by Example:

Directing State Agencies to Adopt a Sustainability and Decarbonization Program

1. Established **Green NY Council**
2. Requires **sustainability coordinator**
3. Continues **green procurement**
4. Requires **100% Renewable energy**
5. Includes **refrigerant tracking**.
6. Targets **embodied carbon**
7. Transition to **zero emission vehicles**
8. Encourages **distributed energy resources (DER)**
9. Promotes **storage**
10. Use **value of carbon** in decisions
11. Requires **reducing waste**
12. Reduce the use of **toxic substances**
13. Incorporate **low impact development practices**
14. Consider Life Cycle **risks and impacts** on climate change
15. Promote **biodiversity and habitat protection**
16. Reduce the impact on **disadvantaged communities**
17. Consider **innovative solutions**
18. Assist in **testing and adopting innovated tech**

Green NY Council Delegates

<u>Agency</u>	<u>Designee</u>
Department of Environmental Conservation	Brendan Woodruff
Division of the Budget	Joseph Miner
New York Power Authority	Kerry-Jane King
New York State Energy Research & Development Authority	Frank Ciampa
Office of General Services	Emily Rubenstein
Dormitory Authority	Eric McQuide
Department of Transportation	Carolyn Ryan
Department of Health	Jessica DiPrima
Empire State Development	Rebecca Miller
Environmental Facilities Corporation	Brian Hahn
Office of Parks, Recreation, and Historic Preservation	Matt Davidson
Metropolitan Transportation Authority	Eric Wilson

Green NY Working Groups



OnE Working Group



Procurement Working Group



Reporting Working Group



NYS Fleet ZEV Conversion Working
Group



Embodied Carbon Working Group

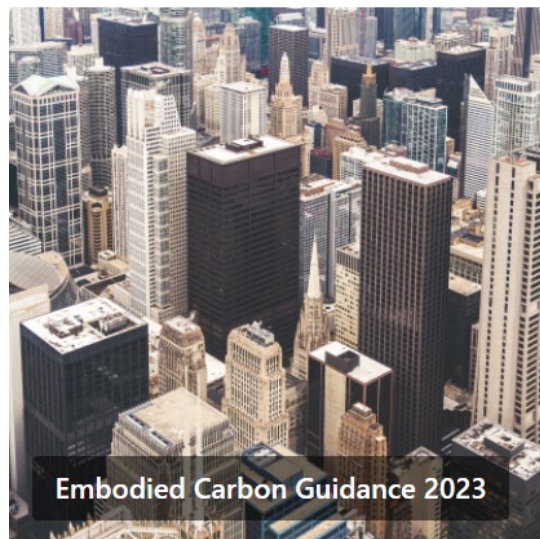
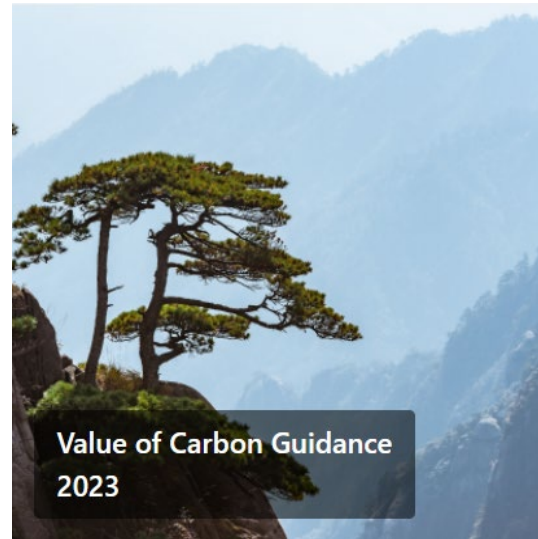


100% Renewable by 2030 Working
Group



Waste Working Group

EO 22 Guidance & Templates



GreenNY: State Purchasing and Operations

The Council established to carry out EO22 mandates

<https://ogs.ny.gov/greenny>

[Action Agenda](#)[Affected Entities Subsites](#)[EO 22 Guidance](#)[GNY Working Groups](#)[Coordinator Documents](#)[Recycle bin](#)

Welcome to the GreenNY SharePoint Site.

[!\[\]\(9c2e8d1b5bd77cb5c9f83b7a9cff79fd_img.jpg\) GreenNYWorking Groups](#)[!\[\]\(e3275251d0893157c3584e20c81dc3ba_img.jpg\) Coordinator Documents](#)[!\[\]\(f60b7a900783ac3fd531bfd9c111be6d_img.jpg\) GreenNY Leadership Team](#)

Important GreenNY News



GreenNY January 2024 Newsletter

E.O. #22 in Leased Facilities

Ipsen, Heather A (NYSERDA)



GreenNY December 2023 Newsletter

Happy Holidays!

Ipsen, Heather A (NYSERDA)



GreenNY November 2023 Newsletter

Waste Reduction



GreenNY October 2023 Newsletter

Climate Justice & Disadvantaged Communities



[Services](#)
[News](#)
[Government](#)

NYSERDA

Buildings & Businesses

Houses & Apartments

Renewables & Transportation

Green Careers & Training

State Policy & Community Solutions

Climate Tech Innovation



SUBSCRIBE

Pick a topic, get updates!

[Find a Program](#)

[Find A Contractor](#)

[About](#)

Search NYSERDA



English



Join a GreenNY Working Group

GreenNY Reporting WG: Supports the development of reporting forms and processes. Additionally, it will assess, aggregate, and interpret the reported data; create narrative explanations; and shepherd the development of an annual summary "Report of Progress" for the Governor.

GreenNY Operations and Engagement (OnE) WG: Supports the encouragement and promotion of sustainable agency operations. It also connects Sustainability Coordinators to each other so the already successful efforts taking place within NYS agencies can be replicated.

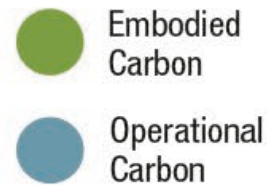
GreenNY Procurement WG: Supports the ongoing work of GreenNY specification development. Also responsible for developing green specifications for GreenNY Council approval in order to serve all affected State entities.

GreenNY ZEV Fleet Conversion WG: Develops pathways for NYS to meet Climate Act goals and E.O. #22 goals of converting the State's light-duty fleet to ZEVs by 2035. Convenes monthly.

GreenNY 100% Renewable Energy WG: Develops the technical guidance and supports pathways of compliance with the E.O. #22 directive for renewable electricity.

GreenNY Embodied Carbon WG: Develops guidance for embodied carbon on high intensity materials used in construction projects. It also instructs Affected Entities to capture Environmental Product Declarations (EPDs) and other data points.

Embodied Carbon



PRODUCT

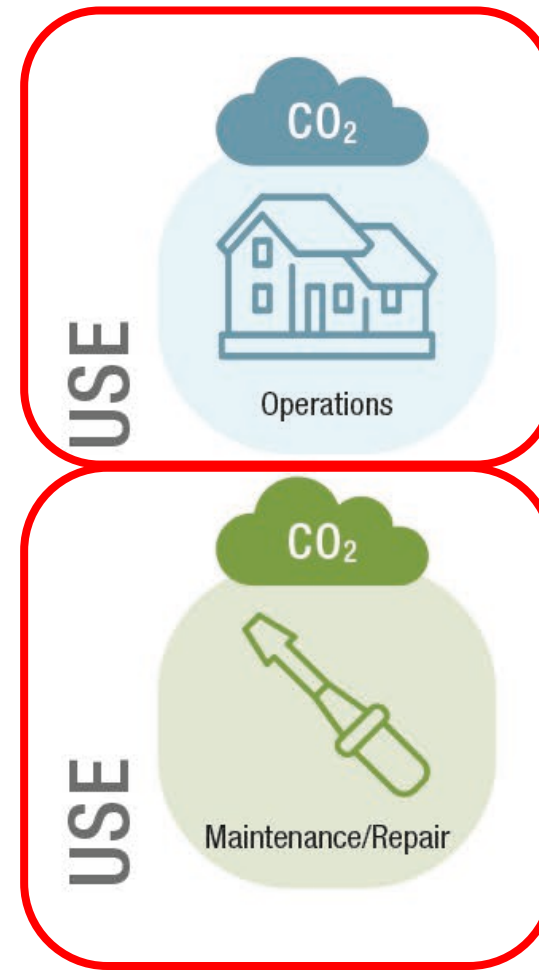


CONSTRUCTION

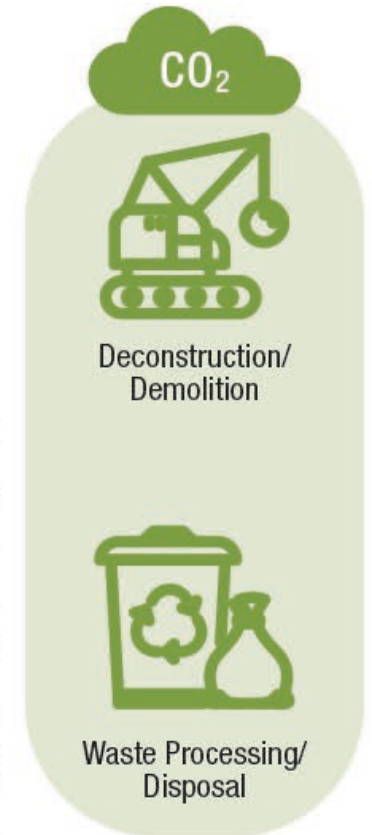


USE

USE



END-OF-LIFE



Embodied carbon is the CO₂ Equivalent emissions associated with **production, transportation, and disposal of materials and products throughout their life cycle**, including GHG emitted during extraction of raw materials, manufacturing, transportation, construction, maintenance and repair, and end-of-life disposal or recycling.

Carbon Emissions in Building:

'Upfront' Embodied Carbon and Operational Carbon



'Upfront' Embodied Carbon

Manufacture, transport and
installation of construction materials

Operational Carbon

Building energy consumption

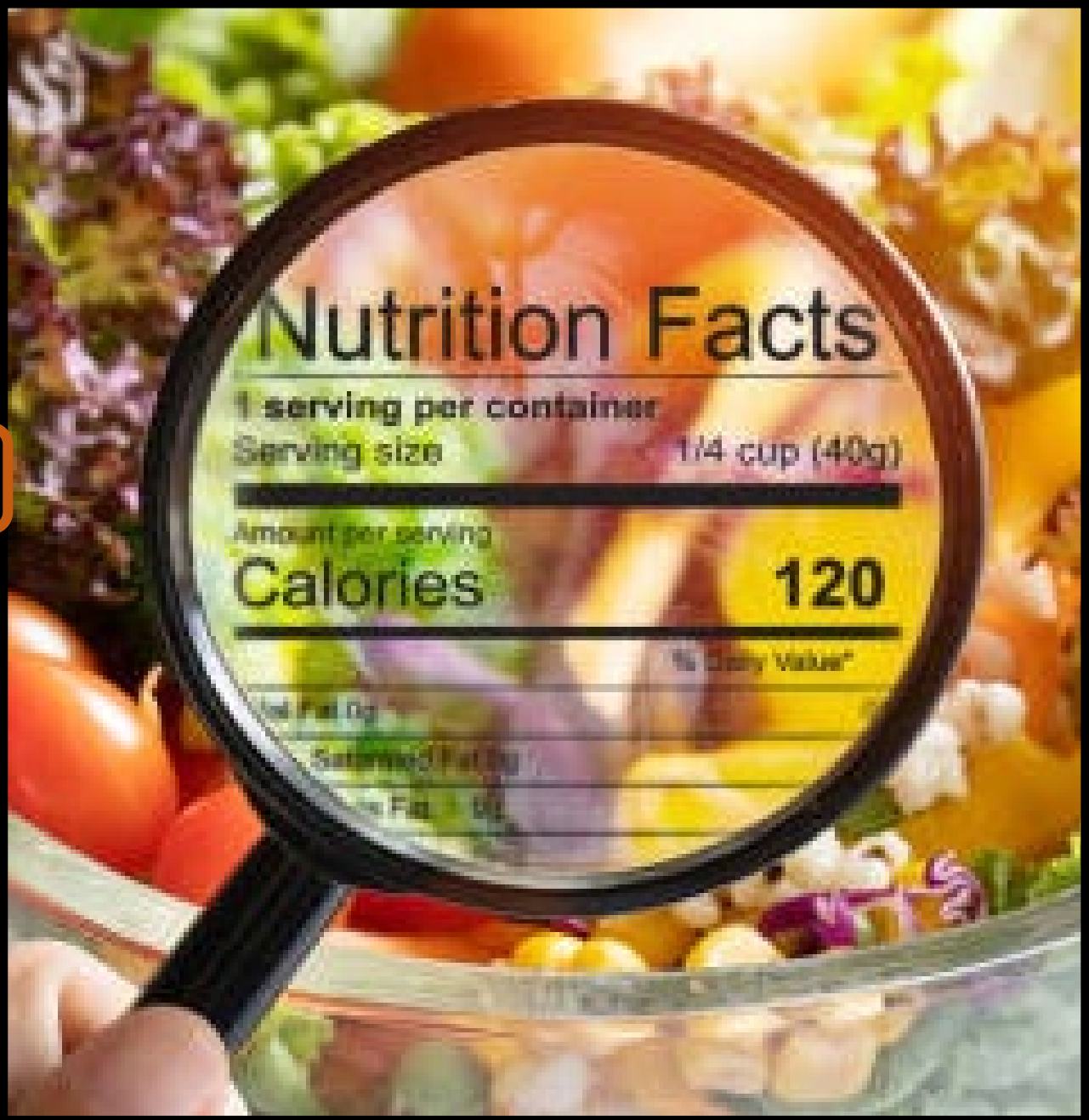
Environmental Product Declaration

Product Impacts

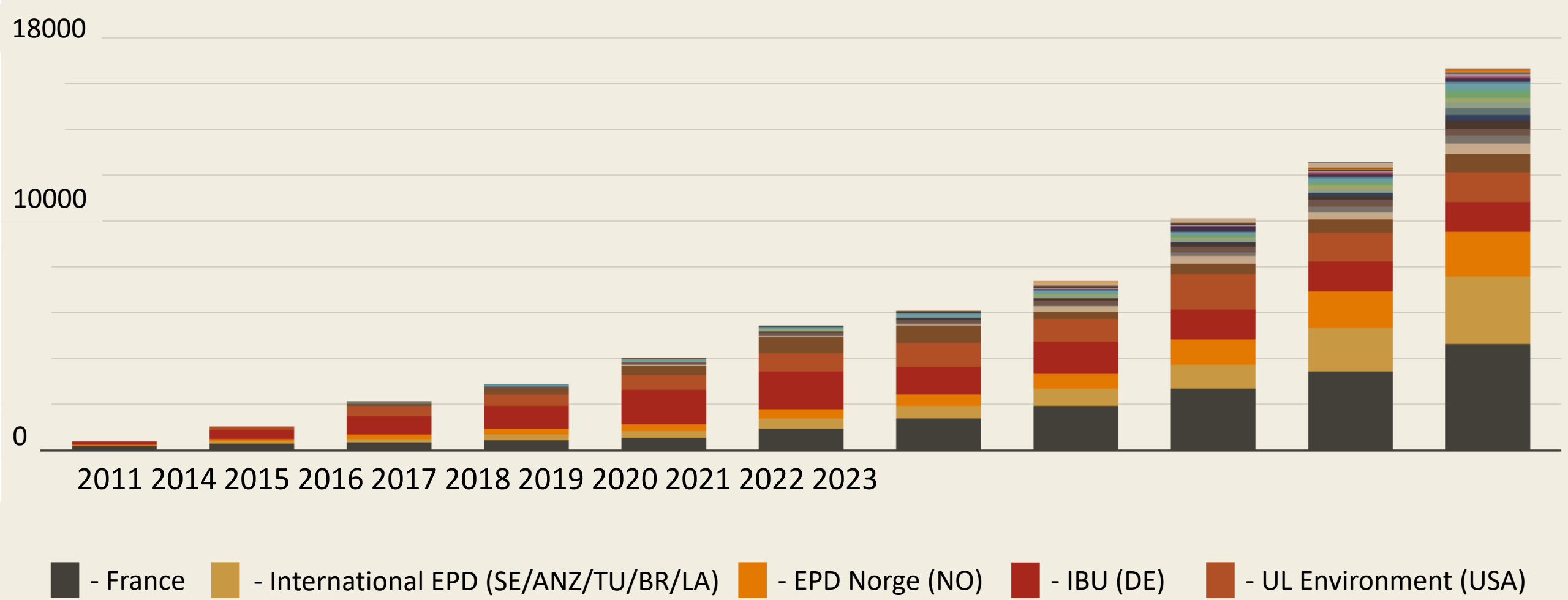
Declared Unit: 1 m³ of 10,000 psi concrete at 28 days

Amount Per Declared Unit

Global Warming Potential	445 kgCO ₂ eq
Emitted	460 kgCO ₂ eq
Sequestered	-15 kgCO ₂ eq
Ozone Depletion	0.000 kgCFC11eq
Acidification	2.96 kgSO ₂ eq
Eutrophication	0.09 kgNeq
Smog Formation	0.61 kgO ₃ eq
Primary Energy Demand	3017 MJ
Non-renewable	3000 MJ
Renewable	17 MJ



Growth in Numbers of Construction Product EPD to EN 15804



EO 22 Embodied Carbon Guidance

a. Background

On September 20, 2022, New York State issued [Executive Order 22: Leading by Example](#) (EO22) to streamline the administration of the State's lead-by-example sustainability and climate directives, and set new goals for the environmental performance of State agencies and authorities.

Under EO22 the GreenNY Council is directed to issue guidance on reducing embodied carbon from common construction materials. Specifically, subsection D calls for the following:

“D. The Council shall issue Operational Directives and guidance for common construction materials to reduce the amount of embodied carbon in such materials. Starting January 1, 2023, Affected Entities shall seek to reduce the embodied carbon in all new construction or construction projects consisting of adaptive reuse or significant renovations that cost greater than 50% of the cost of new construction, submitted for permitting by Affected Entities, by taking the following actions:

- 1. Design teams shall calculate the total embodied carbon that will result from the project, including shipping, transportation, and construction equipment.*



All projects \$1M or more & quantities below:

- **Concrete** $\geq$ 50 cubic yards
- **Asphalt** $\geq$ 10 cubic yards or $\approx$ 8 tons
- **Steel** $\geq$ 20,000 pounds rebar
 $\geq$ 5,000 pounds all steel
- **Glass** $\geq$ 2,000 square feet

Reporting annually and at project end using EC3.



	Name ↕	Address ↕	Last Updated ↕	Details
	☐ ▼ SUNY Albany SHARED + Folder		9 days ago	
	☐ > 01 Albany SUCF SHARED + Building Project		10 days ago	
	☐ ▼ 28010 Albany Campus SHARED + Building Project		29 days ago	
	☐ Copy of NYS E.O.... SHARED	New York, NY, USA	29 days ago	
	☐ > 01 Albany DASNY SHARED + Building Project		about 1 month ago	
	☐ > SUNY Stony Brook SHARED + Folder		9 days ago	
	☐ > SUNY Cornell All PRIVATE + Folder		9 days ago	
	☐ > SUNY System Admin PRIVATE + Folder		29 days ago	
	☐ > SUNY Optometry PRIVATE + Folder		29 days ago	



Environmental Product Declaration

PUBLIC



OpenEPD JSON



Const

Pr

EAST

Also sho

EMBODIED CARBON IMPACT

Declared Unit *

1 m3

Mass per 1 m3

2400 kg

Reported GWP per 1 m...

373 kgCO2e

Uncertainty Fac...

1.076

Uncertainty Adjusted GWP per 1 m3

401.2 kgCO2e

×

EMBODIED CARBON IMPACT

Declared Unit *

1 m3

Reported GWP per 1 m...

373 kgCO2e

Uncertainty Fac...

1.076

×

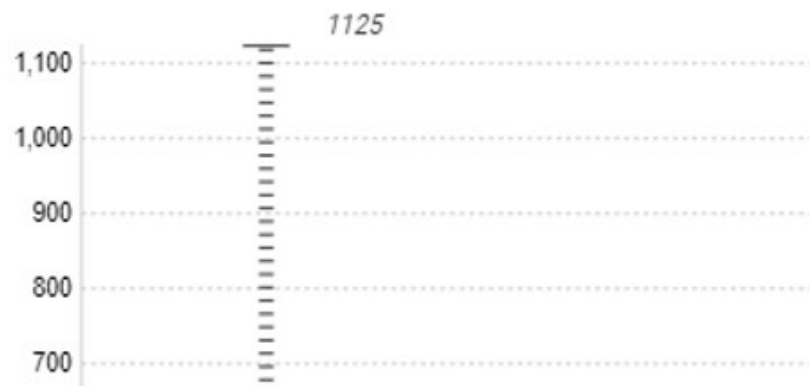
kgCO2e embodied per 1 m3

Tour : BOXPLOT DIAGRAM - SELECTED MATERIAL

kgCO2e embodied per 1 m3

Tour :

BOXPLOT DIAGRAM - SELECTED MATERIAL



☒ Manufacturer Specific

☒ Plant Specific

☒ Product Specific

☐ Just In Time

☐ 22 % Supply Chain Specific

☒ LCIA Match



Shareable Link

22 %

☒ LCIA Match

Density

2400 kg / m3

Compressive Strength 28D

27.6 MPa

@28d

Compressive Strength Other

Compressive Strength Other Days

2021 CLF Baseline

Greening New York State

11th Progress Report on Agency Sustainability

Fiscal Year 2021–2022



GreenNY

<https://online.ogs.ny.gov/purchase/drupaldocs/GNY%20Annual%20Report%20FY%2021-22.pdf>

Zero Emission Vehicles – ZEV Plans



GREENCARS



Waste Mitigation Plans – Due July 18, 2024

- 10% every five years
- 75% final goal





GreenNY

 Share 



EO22 Value of Carbon Guidance

Executive Order 22 includes the following language encouraging Affected Entities to utilize the Department of Environmental Conservation's (DEC) Value of Carbon Guidance in making decisions on greenhouse gas (GHG) emission reductions called for by the Order (from activities such as increasing the use of renewable electricity and decarbonizing fleets and buildings):



100% Renewable Energy Requirement

Plastic Policy

Expected to be released Feb 20th



The State University
of New York

Apply 

Campuses 

Programs 

SUNY NEWS / PRESS RELEASES / SEPTEMBER 2023 / 9-22-23 SUNY SUSTAINABILITY ADVISORY COUNCIL

SUNY Chancellor King Announces the Formation of the SUNY Sustainability Advisory Council

September 22, 2023

*SUNY ESF President Mahoney and SUNY Oneonta President Cardelle Will
Serve as Co-Chairs*

Recent News Stories:

RSS: 

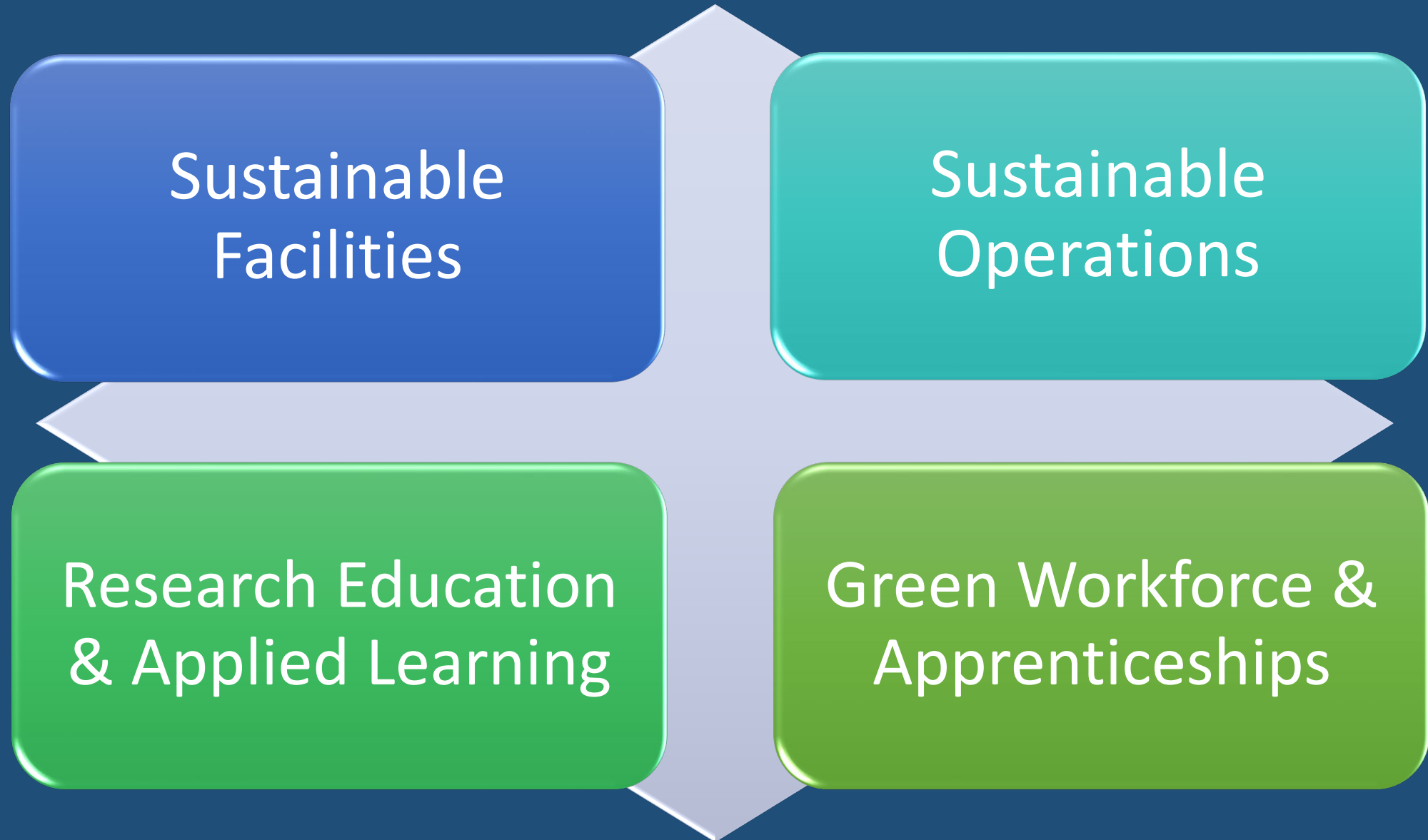
Chancellor King and SUNY Board of Trustees
Statement on Black History Month

Chancellor King Announces SUNY's Office of
Higher Education in Prison Receives \$3
Million Grant from Ascendium to Expand
Higher Education in Prison Programs

Chancellor King and the SUNY Board of
Trustees Statement on Governor Hochul's
Executive Budget Proposal

Chancellor King and the SUNY Board of
Trustees Statement on Dr. Martin Luther King

Sustainability Advisory Council Workgroups





SUNY Sustainability Advisory Council

To: SUNY Sustainability Advisory Council



Welcome to the SUNY Sustainability Advisory Council group.

Use the group to share ideas, files, and important dates.



Start a conversation

Read group conversations or start your own.



Add to the team site

Start sharing and collaborating on content in SharePoint.



Share files



Connect your apps

Sustainability@suny.edu

E032 – NYS Grown and Produced Food

- Gradual increase in food coming from NY State
- Goal 30% by 2027



Executive Order 30 – Improving Affordable Housing Options

- Consider creating additional housing
- Review sites for potential development
- Review sites for potential to aid development on non-owned sites



The SUNY Residence Hall Advisory Committee (DIFR)

☐ Co-Chair	John Cordi*	SUBOA Rep	Binghamton
☐ Co-Chair	Jason Fishner	SUNYRHLA President	Delhi
☐ Member	Eric Duchscherer*	VP Stud Affairs rep	Potsdam
☐ Member	Brian Haggerty	Residence Life	Buffalo
☐ Member	Lachlan Squair	Facilities	Oneonta
☐ Member	Mike Kopas	Business Officer (Facilities too)	Purchase
☐ Member	Corinna Caracci	Residence Life	New Paltz
☐ Member	Jody Maroney	SUBOA	Cortland
☐ Member	Vicki Furlong	SUBOA	Oswego
☐ Member	Don Smith*	Res Hall Program Manager	Sys Admin
☐ Member	Deb Hayes*	SUNY UCO	Sys Admin

* Returning Members

A photograph of a dormitory room. Two wooden beds with white pillows are visible. A black microwave sits on a small table in front of a large window. The window looks out onto green trees. To the right, a wooden closet door is open, showing a hanger. On the left, there are white shelves mounted on the wall.

The committee has been tasked with updating the residence hall guidelines and procedures. The committee will be used to communicate proposed program changes and concerns through SUBOA and up to senior management.



Affordability Review

- i. Enrollment/Occupancy
- ii. Cost of construction
- iii. Energy initiatives
- iv. Cost of education/room rates

Study will help inform changes needed and provide guidance on future of the program and its ability to financially maintain the residence hall facilities.

A modern lounge interior with large windows, contemporary furniture, and a patterned carpet. The room features several brown armchairs and a low coffee table. Large windows on the left and back walls provide ample natural light. A curved white wall and a modern pendant light are also visible.

Capital Asset Review and Update

Will work with campuses to update remaining useful life of Residence Hall Capital Assets



Office for Capital Facilities

SUNY's Office for Capital Facilities is responsible for providing tools, training, and communication to all 64 SUNY campuses in support of programs for management of facilities. The office provides guidance, oversight, and technical expertise regarding the care, custody, control, and management of campus facilities in accordance with applicable New York State laws and regulations. A variety of disciplines are represented within the department including:

- [AiM Support](#)
 - Property and Space - Ashley Brainard
- Capital Programs
 - [Campus Let Contracts Program](#) - Jessica Miller
 - [Community College Capital Program](#) - Rebecca Goldstein
 - [Residence Hall Capital Program](#) - Don Smith
- [Energy Procurement & Utility Regulatory Affairs](#)
 - Director - Melinda Race
 - Senior Accountant - Petula Phillips
 - Junior Accountant - Antoine Boulanger

[EMERGENCY INFORMATION](#)

[Facility Programming Standards](#)

[AiM - Resources for Property & Asset Management](#)

[Guidance Documents](#)

[Newsletter](#)

[Listservs](#)

[Campus Let Contracts Program](#)

[Community College Capital Program](#)

[Clean Energy Management and Sustainability](#)

[Energy Procurement & Utility Regulatory Affairs](#)

[Real Estate](#)

[Emergency Information](#)

[Executive Order 88](#)

[Guidance Documents](#)

[Newsletter](#)

[Listservs](#)

[Capital Program Impact and Achievements](#)

[Campus Let Contracts Program](#)

[Community College Capital Program](#)

[Energy Procurement & Utility Regulatory Affairs](#)

[Real Estate](#)

[Residence Hall Capital Program](#)

[SUNY/PPAA](#)

[SUBOA](#)

[CCBOA](#)

[AiM - Resources for Property & Asset Management](#)

AiM - Resources for Property & Asset Management

AiM is an online Integrated Work Management System (IWMS) developed by AssetWORKS that incorporates property, space, and asset management information into a real-time dynamic database. This system, and its associated data, will be used by many departments within SUNY System Administration, the State University Construction Fund, the Research Foundation, and all campuses for a wide range of users.

AiM has many modules within it, serving a multitude of purposes. The system is replacing outdated building information systems maintained by SUNY. The data within AiM will be managed according to updated business processes, with responsibilities divided across campuses, SUNY System Administration, the State University Construction Fund and the Research Foundation.

[AiM Phase 2 Proposal - Adding O&M - Presentation](#)

[Memo - Update on AiM Property, Space Management and Asset Life](#)

LINKS

- [AiM Login to Production](#)
- [ACE \(AssetWORKS Continuing Education\) & AssetWorld Sessions](#)
- [AiM Help Desk Email](#)
- [AiM Resources YouTube Channel](#)
- [AiM link to TEST](#)

Campus Let Contracts Webinar Series



Session #1: Financial Management of Capital Funds

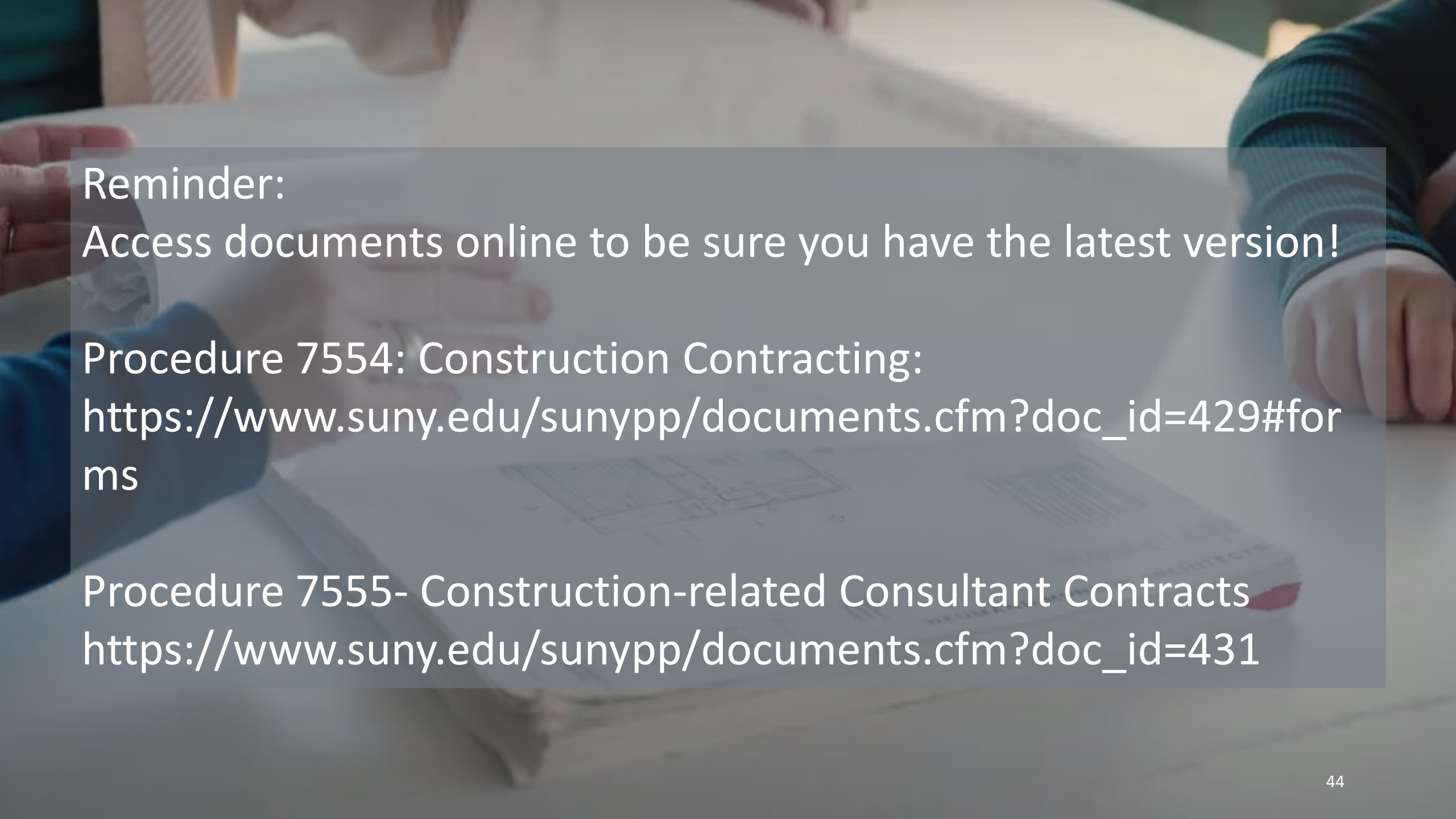
What is capital? How should those funds be managed?

Session #2: Procurement Requirements

What are the procurement requirements, where they come from, and when do they apply?

Session #3: Consultant Selection

Covers the basics of selecting a design, engineering or surveying services



Reminder:

Access documents online to be sure you have the latest version!

Procedure 7554: Construction Contracting:

https://www.suny.edu/sunypp/documents.cfm?doc_id=429#forms

Procedure 7555- Construction-related Consultant Contracts

https://www.suny.edu/sunypp/documents.cfm?doc_id=431



You Can Do it !

[Apply ▶](#)[Campuses ▶](#)[Programs ▶](#)

BE PART OF THE SOLUTION

