

# Regional Greenhouse Gas Initiative



Anthony Bevacqua, Ph.D.

Division of Climate Mitigation & Monitoring

Bureau of Climate Change & Clean Energy

*Industrial Stakeholders Group*

*Quarterly Meeting*

*October 6<sup>th</sup>, 2023*

# Agenda

RGGI Overview

NJ RGGI Mechanics & Resources

RGGI Program Review Update

# Overview

Emission Trading Scheme

Interstate Collaborative

Electric Generating Unit Based

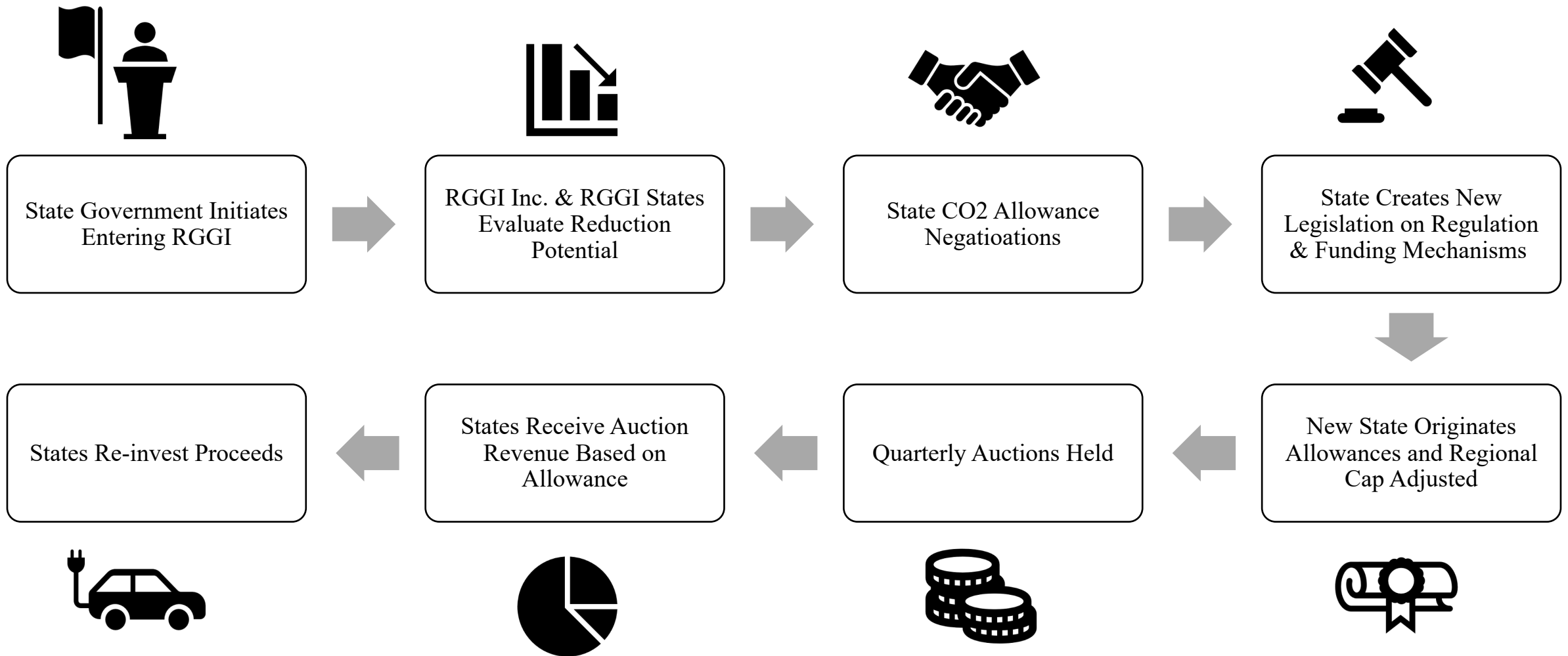
Fossil Generators 25 MW or Greater

Multiple ISO Territories

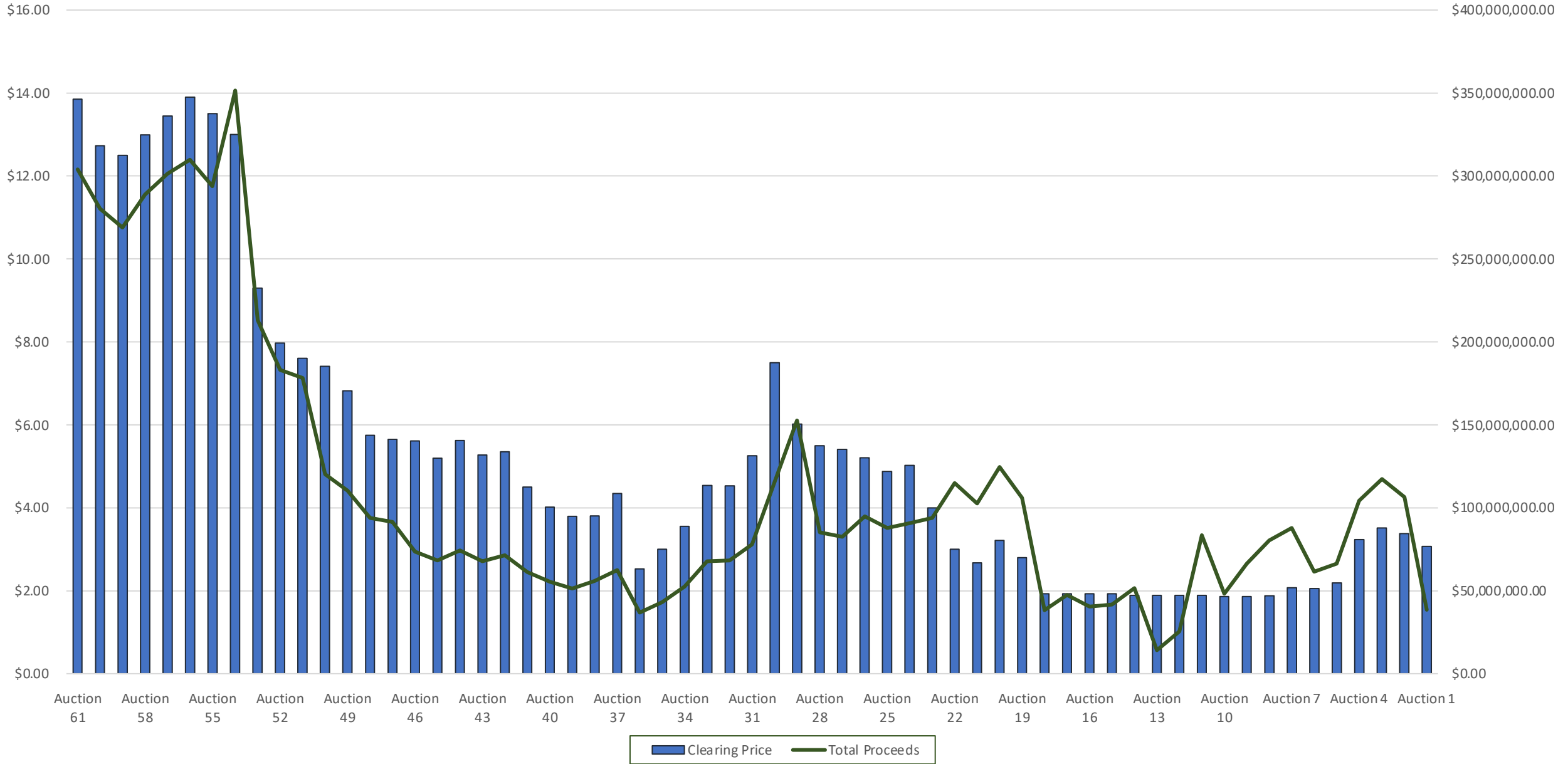
State Specific Carbon Dioxide Trading Programs



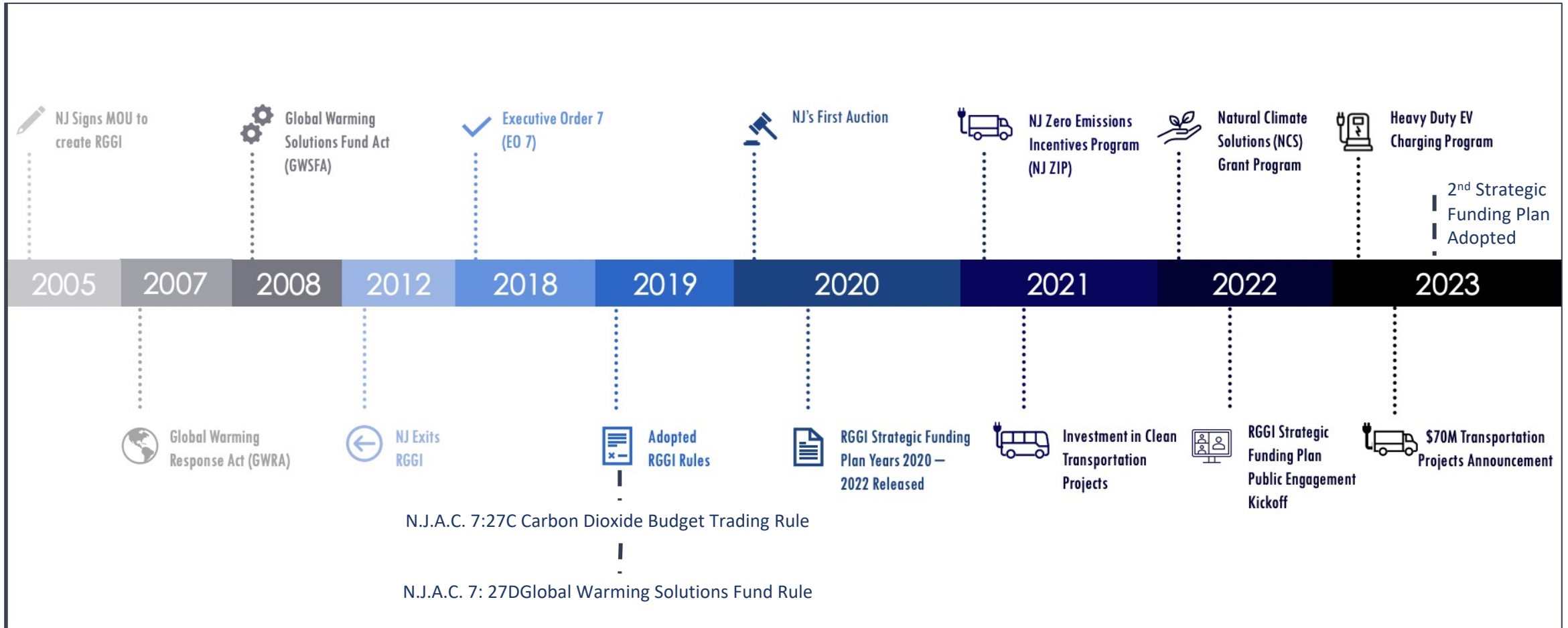
# Mechanics



### RGGI Total Auction Proceeds & Clearing Price



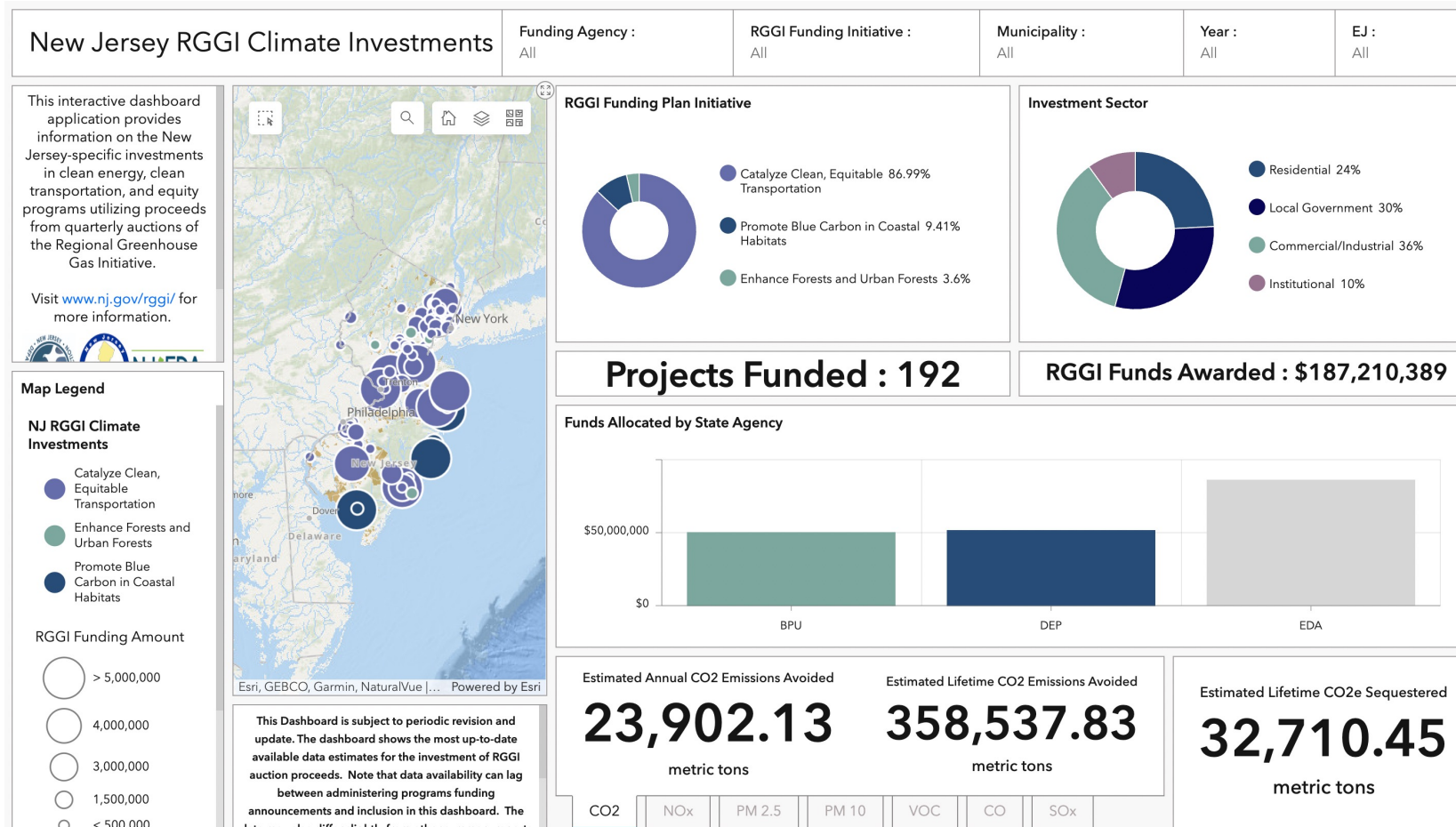
# New Jersey RGGI Timeline



# New Jersey RGGI Proceeds Distribution

	EDA	BPU	DEP	
PROGRAM AREAS	Commercial, Institutional & Industrial Entities	Low Income & Moderate Income Residential Sector	Local Governments	Forest Tidal Marshes
FUNDING ALLOCATION	60%	20%	10%	10%
ELIGIBILITY CRITERIA	<p><b>PROGRAMS TO SUPPORT:</b></p> <ul style="list-style-type: none"> <li>• End-use energy efficiency projects.</li> <li>• New, 'state of the art', efficient electric generation facilities.</li> <li>• Combined heat and power production and other high efficiency electric generation facilities.</li> <li>• Innovative carbon emissions abatement technologies.</li> <li>• Development of qualified offshore wind projects.</li> </ul>	<p><b>PROGRAMS TO:</b></p> <ul style="list-style-type: none"> <li>• Reduce electricity demand.</li> <li>• Reduce costs to electricity customers.</li> <li>• Support state electric vehicle goals.</li> </ul> <p>With a focus on urban areas, and includes efforts to address heat island effect and reduce impacts on ratepayers attributable to the implementation of Global Warming Response Act.</p>	<p><b>PROGRAMS TO:</b></p> <p>Plan, develop and implement measures to reduce greenhouse gas emissions including, but not limited to assistance to conduct and implement:</p> <ul style="list-style-type: none"> <li>• Energy efficiency.</li> <li>• Renewable energy.</li> <li>• Distributed energy programs.</li> <li>• Land use planning (where results are a measurable reduction of greenhouse gas emissions or energy demand).</li> </ul>	<p><b>PROGRAMS TO:</b></p> <p>Enhance the stewardship and restoration of State's forests and tidal marshes that provide opportunity to sequester or reduce greenhouse gas emissions.</p>

# New Jersey RGGI Climate Investments



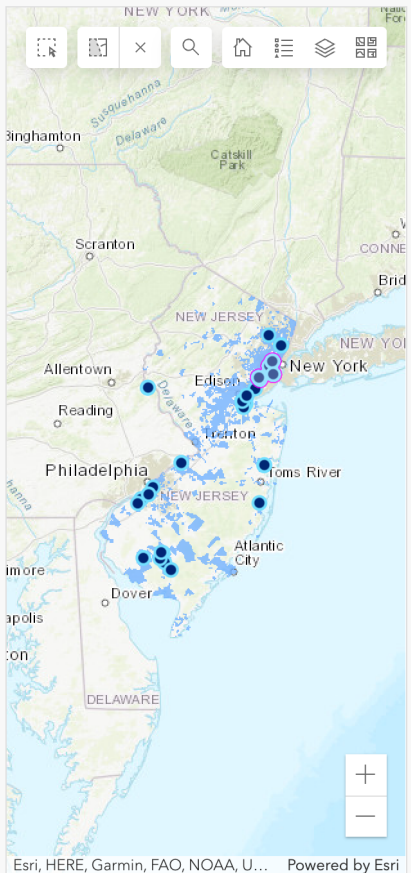


# New Jersey RGGI Regulated Entities

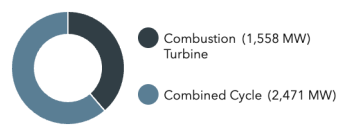
## New Jersey RGGI Power Plant EGU Emissions Dashboard

Status :	Plant Type :	Fuel Type :	Plant Name :	Unit ID :
Operating	None	None	None	None

This dashboard displays locational information for each power plant electric generating unit (EGU) subject to the Regional Greenhouse Gas Initiative, as well as historic annual emissions and operational information. This display also includes units previously subject to RGGI that have retired prior to the current calendar year. Utilize the filters above to view the historic emissions and operational information for different types of power



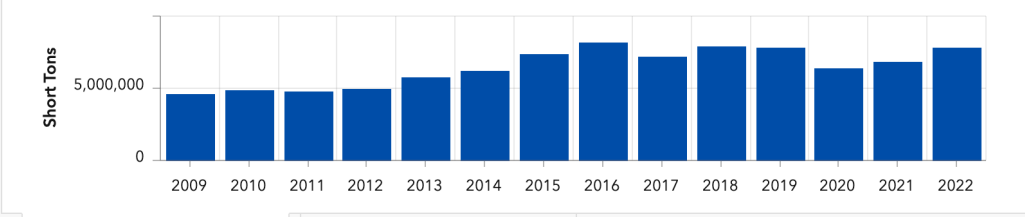
Plant Type and Capacity (MW)



Fuel Type and Capacity (MW)

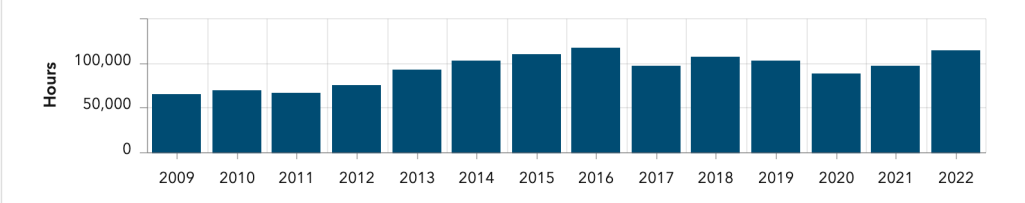


Annual CO2 Emissions (Short Tons)

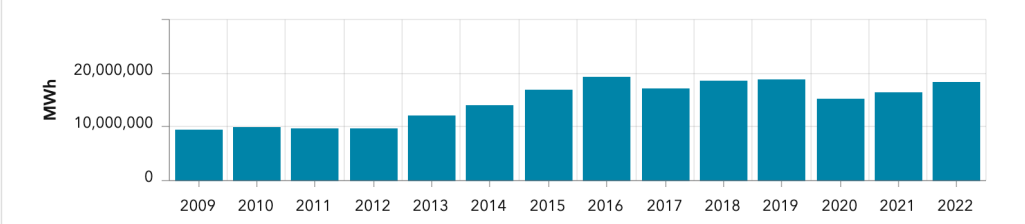


CO2 Emissions (Short Tons) | CO2 Emissions (Metric Tons)

Annual Operating Time (Hours)



Annual Gross Load (MWh)



# New Jersey Regulated Entities

## Qualification

January 1, 2005

Generator Unit

Nameplate capacity equal to or greater than 25 megawatts.

Title V operating permit: monitoring, recordkeeping and reporting requirement.

“RGGI Certificate of Representation Form” U.S. EPA, so that EPA/CAMD is authorized for COATS.

## RGGI PROGRAM MANAGEMENT

The Department’s Air Program (permit applications and revisions)

The Bureau of Climate Change and Clean Energy (program implementation, coordinates with RGGI, Inc., oversees auction proceeds)

## Application for adding CO2 Budget Source in Operating Permit

N.J.A.C. 7:27C-3.3:

A source must submit NJ03-APPLICATION FOR ADDING A CO2 BUDGET SOURCE IN OPERATING PERMIT, along with a complete application for a new, renewed, or modified operating permit

## Compliance Plan

N.J.A.C. 7:27C-8:

A source must comply with: Monitoring Recordkeeping, and reporting

Department will incorporate these requirements into the facility’s operating permit

## Electronic Reporting

RGGI program to be submitted electronically through the Registered Services Portal (RSP)

Quarterly Reports

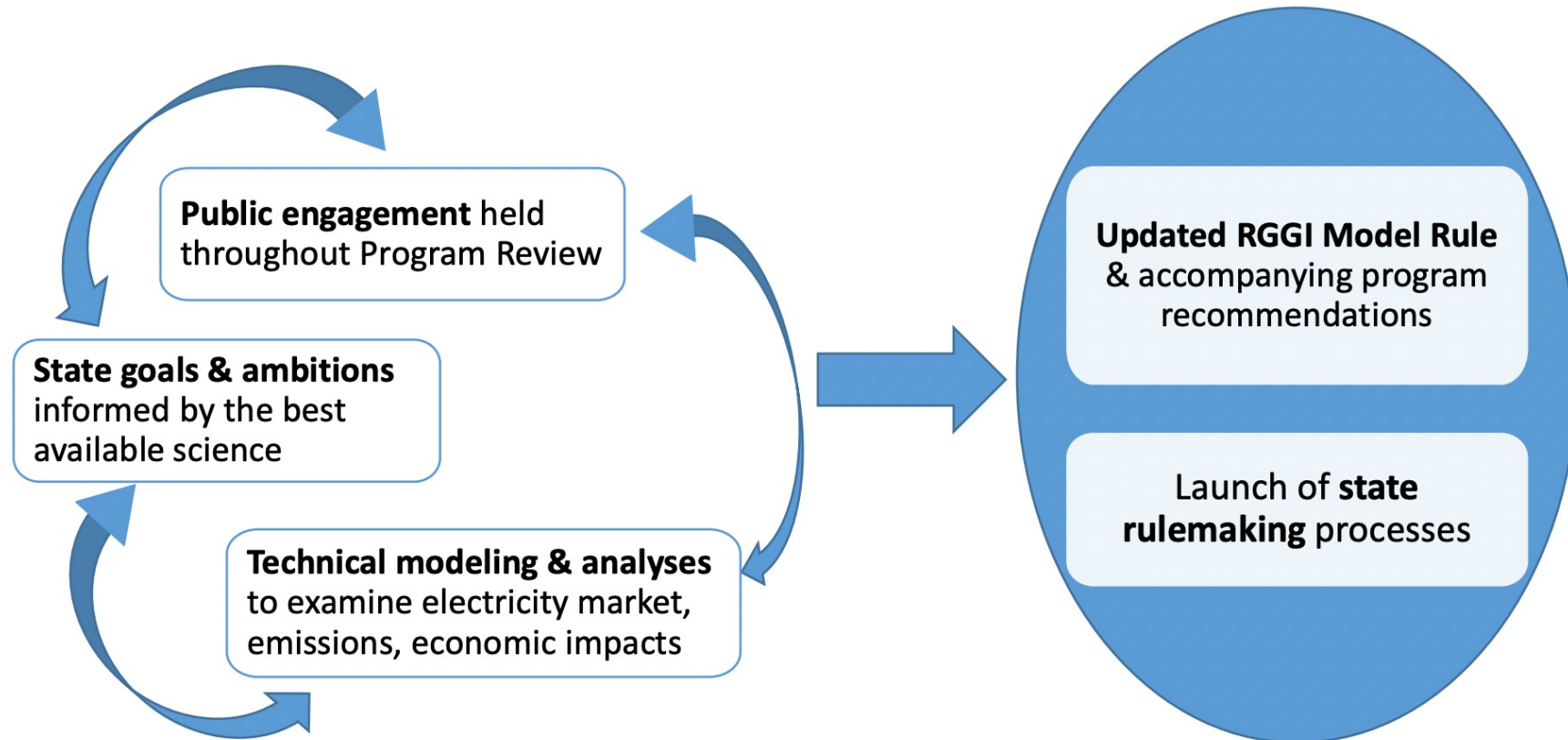
Annual Report

Compliance Certification

Emissions Monitoring

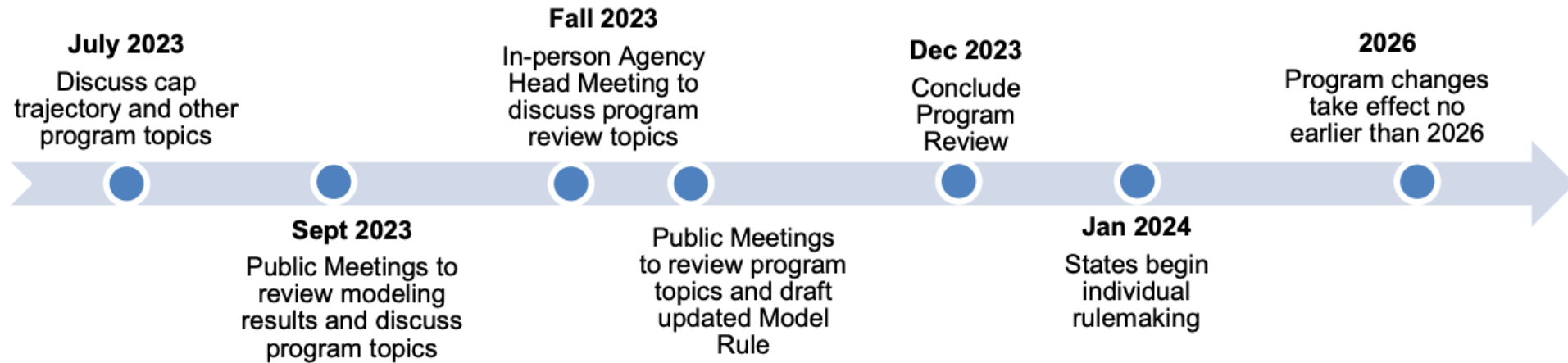
Output Monitoring

# RGGI Program Review



# RGGI Outlook

## Timeline





## Air Quality, Energy & Sustainability



- HOME
- ABOUT
- AIR QUALITY
- CLIMATE CHANGE
- CLEAN ENERGY
- RADIATION PROTECTION
- SUSTAINABILITY

### REGIONAL GREENHOUSE GAS INITIATIVE (RGGI)

- Home
- Regulated Entities
- Strategic Funding Plan

THE RGGI STATES

Due to New Jersey's participation in the RGGI program, the 3rd quarterly CO<sub>2</sub> allowance price has increased from \$100 to \$503,484.75. This revenue will be used to invest in clean energy projects across the state.

www.rggi.org

- RGGI References
- RGGI Factsheet
  - RGGI Facility Map
  - RGGI Auctions
  - Archives

### Additional Resources

<https://www.nj.gov/rggi/index.html>

<https://www.nj.gov/dep/aqes/rggi-who-is-regulated.html>

<https://www.rggi.org/>

[Anthony.Bevacqua@dep.nj.gov](mailto:Anthony.Bevacqua@dep.nj.gov)



NEW JERSEY  
DEPARTMENT OF  
ENVIRONMENTAL  
PROTECTION