RGGI Workshop
Township of Ocean | Hosted by NJDEP
AGENDA

12:45 P.M.  registration & dot voting

Workshop Moderator Allison McLeod, Program Manager, NJDEP

1:15 P.M. Host Agency Welcome
Paul Baldauf, Assistant Commissioner, Air Quality, Energy and Sustainability, NJDEP

1:25 P.M. Introduction to the RGGI Strategic Funding Plan
Christine Schell, Office of the Asst. Commissioner, Air Quality, Energy and Sustainability, NJDEP

1:45 P.M. Question & Answer

2:00 P.M. break

2:15 P.M. Polling Results

2:20 P.M. Breakout Sessions
Facilitated discussion at each table.

3:00 P.M. Report Out
Table Representative(s) will report on priorities, questions and comments.

3:55 P.M. Next Steps & Closing Remarks

4:00 P.M. adjourn
Paul Baldauf
Assistant Commissioner
Air Quality, Energy & Sustainability
New Jersey Department of Environmental Protection
Introduction to the RGGI Strategic Funding Plan

Christine Schell | NJDEP
Back to the Future: New Jersey Rejoins RGGI

05/2005: NJ Signs MOU to create RGGI

07/2007: Global Warming Response Act (GWRA)
New Jersey enacted the Global Warming Response Act, requiring the state to reduce economy-wide GHG to 1990 levels by 2020 and to 80% below 2006 levels by 2050.

08/2008: Global Warming Solutions Fund Act (GWSFA)
New Jersey enacted the Global Warming Solutions Fund Act, which authorized the state to implement a market-based CO2 emissions trading program such as RGGI.

07/2012: NJ Exits RGGI
New Jersey Governor Chris Christie withdrew the State from RGGI.

07/2018: Executive Order 7 (EO 7)
New Jersey Governor Phil Murphy issued EO 7 directing New Jersey to re-enter RGGI and participate in the CO2 allowance auctions, which will be accomplished through DEP rulemaking. Through a simultaneously proposed but separate rulemaking, DEP will establish the framework for New Jersey’s participation in the RGGI auctions.

09/2019: Adopted RGGI Rules
New Jersey adopts RGGI rules enabling the state’s reentry to the emissions trading program.

01/2020: NJ’s First Auction
New Jersey is scheduled to participate in the first auction of 2020.

CO2 Emissions Trading Rule
NIDEP developed the CO2 Emissions Trading Rule which established the “mechanics” of RGGI participation (e.g., regulated community, auction participation, permitting and enforcement requirements).

Global Warming Solutions Fund Rule
NIDEP developed the Global Warming Solutions Fund rule which established the guidelines and priority ranking system for the distribution of RGGI’s proceeds.
How Does RGGI Work?

• Regional greenhouse gas emissions cap is established

• States offer allowances for sale in quarterly auctions

• Electric Generating Units purchase allowances to equal emissions for 3-year control period

• States receive revenue from quarterly auctions to invest
How Much Money?

The amount of money received will depend upon the price of carbon at the time of each auction.

Best Guess:
$80 million in 2020

- EDA $48 Million
- BPU $16 Million
- DEP $8 Million + $8 Million
The Global Warming Solutions Fund Rule requires the NJDEP, NJBPU and NJEDA to coordinate the use of RGGI funds through a Strategic Funding Plan developed at least every three years.

The goal is for the agencies to work together toward common goals and find ways to compliment and amplify state funding to meet the State’s climate and clean energy goals and ensure investment in disproportionately impacted communities.

This is an opportunity for you to provide input on the funding priorities to benefit your communities and New Jersey as a whole.
Identifies initiatives each agency will sponsor during the corresponding funding period.

Host four public meetings to educate about the funding requirements and to gather input on spending priorities.

Ranks initiatives against six objectives by the state agencies. Each objective must be ranked critical to at least one initiative.

Subsequent funding plans must report on previously funded projects and programs.
GLOBAL WARMING SOLUTIONS FUND ACT (GWSFA)
N.J.S.A 26:2C-52

- Allocates funding by percentage to three NJ Agencies
- Requires Agencies to spend RGGI funds within specific program areas

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<tr>
<th>PROGRAM AREAS</th>
<th>EDA</th>
<th>BPU</th>
<th>DEP</th>
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<tr>
<td><strong>Commercial, Institutional, &amp; Industrial Entities</strong></td>
<td><strong>Low Income &amp; Moderate Income Residential Sector</strong></td>
<td><strong>Local Governments</strong></td>
<td><strong>Forest &amp; Tidal Marshes</strong></td>
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<td>60% of RGGI Proceeds</td>
<td>20% of RGGI Proceeds</td>
<td>10% of RGGI Proceeds</td>
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**PROGRAMS TO SUPPORT:**
- End use energy efficiency projects
- New, ‘State of the Art’, efficient electric generation facilities
- Combined and Heat Power production and other high efficiency electric generation facilities
- Innovative carbon emissions abatement technologies
- Development of qualified offshore wind projects

**PROGRAMS TO:**
- Reduce electricity demand
- Reduce costs to electricity customers
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

**PROGRAMS TO:**
- Plan, develop and implement measures to reduce GHGs, including, but not limited to assistance to conduct and implement:
  - Energy efficiency
  - Renewable energy
  - Distributed energy programs
  - Land use planning (where results are a measurable reduction of GHG emissions or energy demand)

**PROGRAMS TO:**
- Enhance the stewardship and restoration of State’s forests and tidal marshes that provide opportunity to sequester or reduce GHGs
Strategic Funding Plan Objective #1

Net reduction in greenhouse gas emissions or net sequestration of carbon.

Estimated NJ Greenhouse Gas Emissions, 2018
(in million metric tons CO₂e)

Total Net Emissions, 97.0 million metric tons CO₂e

- Transportation, 40.6
- Electric Generation, 18.1
- Commercial and Industrial, 16.6
- Residential, 15.2
- Highly Warming Gases, 8.0
- Waste Management, 5.3
- Land Clearing, 1.0
- Others, 0.3
- Terrestrial Carbon Sequestration, -8.1
Strategic Funding Plan Objective #2

Significant reductions in greenhouse gas emissions or energy demand and/or significant contribution to the achievement of the state's 2050 Global Warming Response Act limit (relative to cost).
Strategic Funding Plan Objective #3

Reduce energy use.

New Jersey Primary Energy Consumption (Trillion BTUs) 1960-2016
Be directly responsive to the recommendations submitted by the Department to the Legislature pursuant to the Global Warming Response Act.
Strategic Funding Plan Objective #5

Provide co-benefits to the state.
Strategic Funding Plan Objective #6

Be directly responsive to the negative effects on human health and the environment in communities that are disproportionately impacted by the effects of environmental degradation and climate change.
Governor’s Funding Priorities

Electrification of transportation in the State.

Provide meaningful benefits to communities most affected by pollution and climate change.
What is the Scoping Document?

The Scoping Document is:

- A tool to educate the public about the legal and regulatory framework surrounding the distribution of RGGI auction proceeds
- Provides example initiatives that put the framework into context
- Explains the Governor’s funding priorities

The Scoping Document is not:

- A draft strategic funding plan
- A summary of the final initiatives that will be funded by the state agencies
The Scoping Document includes seven example funding initiatives.
Initiative 1: Clean Transportation

Initiative One seeks to accelerate transportation electrification in the State, focusing on programs and projects that will have a beneficial impact on communities disproportionately impacted by the effects of environmental degradation and climate change.
Initiative Two seeks to increase the pace of clean energy investment through the creation of the New Jersey Green Bank. RGGI funding would be used by the NJEDA to capitalize a Green Bank to provide direct loans, or financial enhancements to support private lending.
Initiative Three seeks to reduce electricity consumption in low- and moderate-income (LMI) households through the development and implementation of a Community Clean Energy Microgrid (CCEM) program, a coordinated, comprehensive, and holistic neighborhood energy approach for all LMI single- and multi-family building customers.
Initiative 4: Net-Zero Energy Solutions for Waste Management

Initiative Four seeks to reduce emissions from waste disposal. Funding would be provided to facilities for net-zero energy use through the implementation of proven technologies and best practices in the areas of energy conservation, demand reduction and enhanced production.

Agency Sponsor(s):

Image Source: Princeton University
Initiative 5: Beneficial Role of New Jersey Forests in the Carbon Cycle

Initiative Five seeks to promote, protect and maintain the beneficial role of New Jersey forests in the carbon cycle.

Agency Sponsor(s):

Image Source: NJ Tree Foundation
Initiative 6: Sequester “Blue Carbon” in Coastal Habitats

Initiative Six seeks to promote, protect and maintain the beneficial role of New Jersey tidal marshes in the carbon cycle.

Agency Sponsor(s):
Initiative 7: Strengthen Clean Tech Innovation

Under this initiative, NJEDA could provide funding and in-kind assistance to strengthen clean tech innovation in the state through support for the innovation ecosystem (e.g., incubators, proof of concept centers, research databases, etc.), the funding of individual early-stage clean tech companies and entrepreneurs, and support for basic research.

Agency Sponsor(s): NJEDA
## Example Funding Initiatives

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<td>2. Significant reductions in greenhouse gas emissions, reduction of impacts on ratepayers, and a significant contribution to the achievement of the State’s 2050 Global Warming Response Act limit, relative to the cost of the project or program;</td>
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### Key

- **NJBPU**
- **NJEDA**
- **NJDEP Local Govt.**
- **NJDEP Marsh/Forest**
Timeline

SCOPING DOCUMENT

SOUTH WORKSHOP

NORTH WORKSHOP

CENTRAL WORKSHOP

COASTAL WORKSHOP

WEBINAR

STRATEGIC FUNDING PLAN

STRATEGIC FUNDING PLAN INVESTMENT PERIOD

October 24, 2019
November 7, 2019
November 18, 2019
November 25, 2019
December 6, 2019
December 12, 2019
April 2020
December 2022
Question & Answer
Break
## Dot Voting Results

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Breakout Session
Which initiatives, projects and/or programs presented in the Scoping Document should the state prioritize for funding? Why?
Are there other funding priorities not listed in the Scoping Document that should be considered? Why?
How can municipalities best reduce greenhouse gas emissions in their communities? How can RGGI funding be utilized to support these efforts?
Are you aware of any current or planned coastal salt marsh creation, enhancement or restoration projects that could utilize future RGGI funding?
How should the 10% of RGGI funding allocated to coastal marshes and forests be split between the two programs? Why?
How should we measure the success of the projects once they are implemented? What metrics are most effective? What would success look like to you?
Any other feedback?
Contact Us: njrggi@dep.nj.gov

Website: nj.gov/rggi/

Next Workshops:
• Webinar | December 12th from 10-12pm