



NYSERDA

Stakeholder Advisory Group Meeting

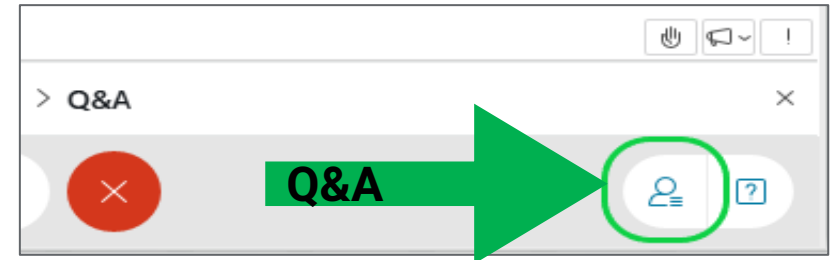
**DRAFT 2025 Regional Greenhouse Gas Initiative
Operating Plan Amendment**

December 5, 2024

Meeting Procedures

Before beginning, a few reminders:

- This meeting is being recorded
- For questions or comments, please use the Q&A function
- The presentation will be made available following the meeting
- If technical issues arise, please contact Kelly Hammond kelly.hammond@nyserda.ny.gov



Agenda

- Opening Remarks
- Funding Assumptions
- Proposed Programs
- Discussion
- Next Steps
- Adjournment

Opening Remarks



Funding Assumptions



Funding Assumptions

- **FY26-FY28 Operating Plan assumes future auction allowance price of \$15.71**
 - Allowance price conservatively estimated going forward
 - Figure based on average price of past ten auctions (Auction 56 to Auction 65)
- **FY25 Operating Plan budget assumes allowance price of \$19.59**
 - Average of actual prices for first two RGGI auctions conducted this fiscal year, and \$15.71/allowance estimate noted above for the second two auctions

Proposed Programs



New York RGGI Investment Strategies

The RGGI portfolio is designed to achieve greenhouse gas emission reductions by:

- Deploying commercially available energy efficiency and renewable energy technologies
- Building the State's capacity for long-term carbon reduction
- Empowering New York communities to reduce carbon emissions and transition to cleaner energy
- Stimulating entrepreneurship and growth of clean energy and carbon abatement companies in New York
- Creating innovative financing to increase adoption of clean energy and carbon abatement in the State

Renewable Energy



Renewable Energy : Program Investments

NY-Sun Statewide Customer Incentives

- Provides declining incentives for the installation of systems and works to reduce solar electric balance-of-system costs through technology advancements, streamlined processes, and customer aggregation models.
- Allows customers of Upstate municipal utilities and the New York Power Authority (NYPA), who do not pay Clean Energy Fund (CEF) surcharges, to receive NY-Sun incentives. Expect to primarily fund solar installations on NYC public schools and other NYC public buildings that are served by NYPA, in addition to residential and commercial installations in Upstate NY.

Renewable Energy : Program Investments

NY-Sun Long Island SEEF Incentives

- Will provide Solar Energy Equity Framework (SEEF) incentives to Long Island Power Authority (LIPA) customers that do not pay into the System Benefits Charge.
- Supports solar projects benefiting low-to-moderate income households, disadvantaged communities, and affordable housing.

Energy Efficiency / Building Electrification



Energy Efficiency and Building Electrification: Program Investments

EmPower+: Energy Efficiency and Clean Heating and Cooling for Low- and Moderate-Income Households

- Will maintain support for LMI customers statewide to provide energy efficiency and electrification incentives.
- Allow inclusion of customers of municipal utilities and customers using delivered fuel.
- Customers will access incentives through Empower+, which provides comprehensive energy efficiency services programs for qualified households.

Energy Efficiency and Building Electrification: Program Investments

Pilot Projects with Municipal Utilities

- Supports rapid decarbonization and increased resilience of municipal utilities and rural electric cooperatives.
- Will provide energy efficiency and electrification measures to customers who are not able to access programs funded through the CEF, with a significant focus on DACs.

Energy Efficiency and Building Electrification: Program Investments

Disadvantaged Communities Schools and Affordable Housing

- Supports competitively selected clean heating and cooling installations and/or other capital projects that move schools towards decarbonization.

Energy Efficiency and Building Electrification: Program Investments

Technical Services

- Supports FlexTech and On-Site Energy Manager technical services that promote the adoption of technologies and practices that reduce energy loads and decarbonize buildings across all sectors, including multifamily.

Energy Efficiency and Building Electrification: Program Investments

LIPA Energy Efficiency and Renewable Energy

- Enhances the portfolio of clean energy activities for energy consumers on Long Island, as approved by the LIPA and administered by PSEG-Long Island.
- Funding and reporting requirements are established through a Memorandum of Understanding between NYSERDA and LIPA, which ensures that RGGI funds meet the requirements of the RGGI regulations and that funds are used to support energy efficiency and clean energy activities, as well as advancing the goal of investments in DACs.

Energy Efficiency and Building Electrification: Program Investments

Multifamily Low Carbon Pathways

- Will enable NYSERDA to support more energy efficiency and building electrification projects for Multifamily buildings throughout the state, in both market-rate and affordable housing.
- Program provides technical assistance as well as incentives for building owners that install one or more measures resulting in reduction of on-site carbon emissions.

Energy Efficiency and Building Electrification: Program Investments

Building Retrofit and New Construction Challenges

- Supports competitive challenges that demonstrate exemplary design and high performance for new construction and hard to decarbonize existing buildings
- Supports decarbonization aid to non-SBC paying customers on Long Island and in municipal electric utility areas.

Energy Efficiency and Building Electrification: Program Investments

LMI Efficient Appliances Program

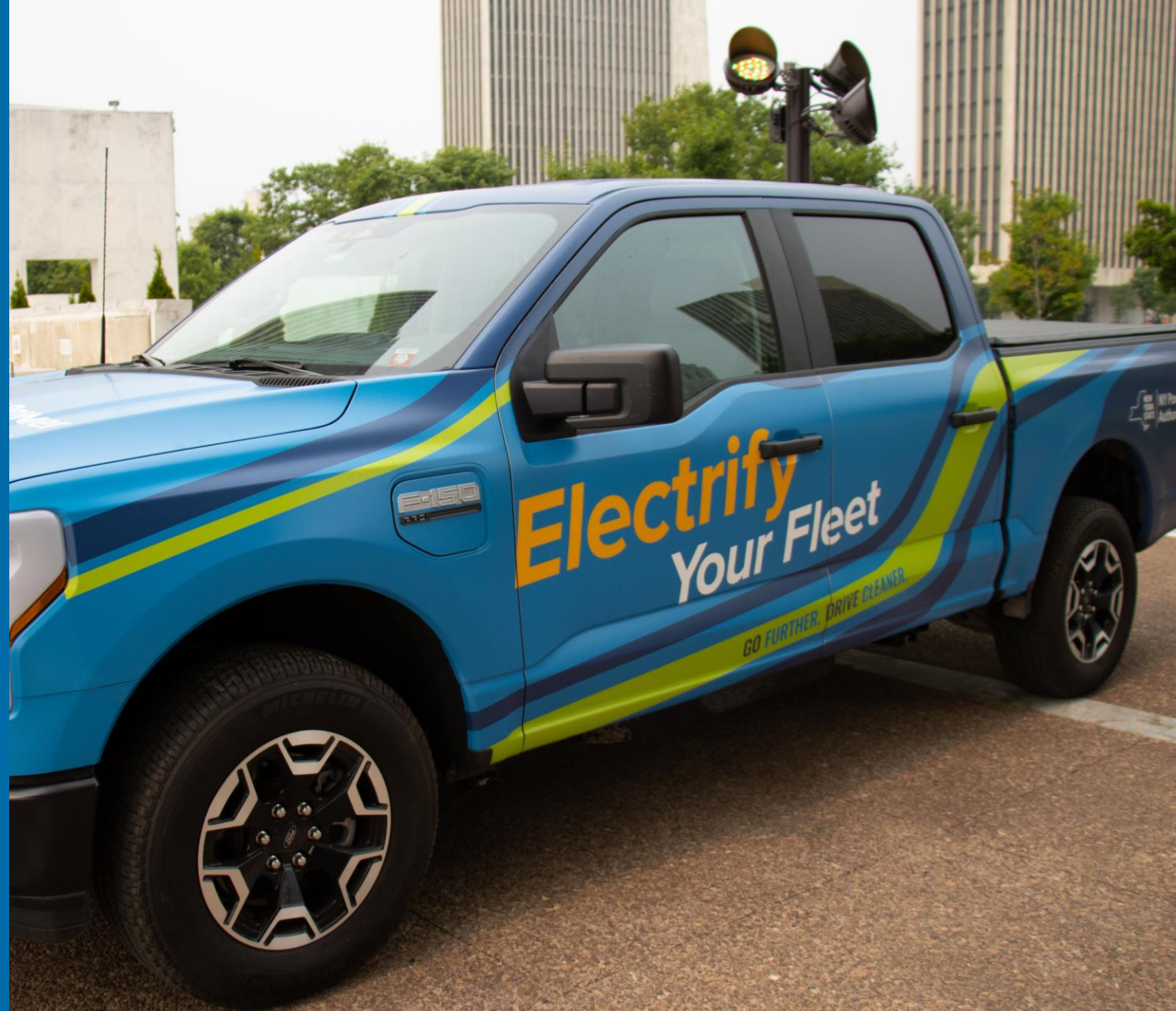
- Supports deployment of efficient appliances to LMI households along with integrated financing to reduce barriers and increase access of energy efficiency to low-income renters and homeowners.

Energy Efficiency and Building Electrification: Program Investments

Climate Resiliency Implementation Planning

- Will continue supporting research, analysis, planning and technical assistance to ensure clean energy and electrification efforts continue to deliver expected benefits under changing climate conditions.
- Supports commitments under Executive Order 22, Climate Act Scoping Plan, and the Governor's 2024 State of the State.
- Will ensure that NYSERDA's work has a clear strategy for integrating climate resilience and adaptation considerations within the clean energy transition.

Innovative GHG Abatement Strategies



Innovative GHG Abatement: Program Investments

Electric Vehicles

- Continue providing rebates to accelerate EV purchasing, particularly through the Drive Clean Rebate Program and New York Truck Voucher Incentive Program
- Building public knowledge of EV's capabilities to spur private investment. Market development activities - policy and business model development studies that support new ways for critical stakeholders, such as utilities, local governments, and car dealers, to get involved in the EV market.
- Support the installation of EV charging stations at location types that have been seen to be effective drivers for EV adoption - workplaces, multi-family buildings, and targeted public locations.
- Support the planning and demonstration of shared electric mobility and transit options with a focus on disadvantaged communities and underserved areas. This work will address community-identified needs that expand access to public transportation and improve equitable access to EVs and other electric mobility systems in a replicable and scalable way

Innovative GHG Abatement: Program Investments

Equity and Climate Transformation Research

- Support the Equity and Climate Transformation Research program, which studies the social dimensions of an equitable and inclusive transition in a manner that centers the lived experiences of underserved and overburdened communities and prioritizes beneficial outcomes for DACs.
- Provides the investment necessary to develop both formal proposals for long-term funding and pilot initiatives. Pilot initiatives will aim to:
 1. Test initial research hypotheses
 2. Engage with a diverse set of NYS communities to understand how they would most benefit from this research and how they can be most effectively engaged in the process
 3. Convene academics.
- Will support scientifically rigorous inquiry that advances transformative, inclusive solutions to climate action challenges in NY and will inform strategies for effective climate awareness and consumer education initiatives.

Innovative GHG Abatement: Program Investments

Clean Energy Business Development

- Supports supply chain analysis and forums, clean energy recruiting campaigns, planning assistance, and analytical work to expand NYS manufacturers and suppliers for products and solutions that reduce greenhouse gas emissions.

Innovative GHG Abatement: Program Investments

Scoping Plan Implementation Research

- Technical analysis to support more detailed research on realizing the recommendations included in the Climate Action Council's final Scoping Plan: analysis of grid decarbonization and support of the New York cap-and-invest and technical infrastructure for key policies components.

Innovative GHG Abatement: Program Investments

Advanced Fuels

- Amendment proposes to fund initiatives to further development of advanced fuels critical to transitioning away from fossil fuels:
 1. Research to identify, scope, engineer, measure and verify, and execute on potential pilot demonstrations in NYS to showcase advanced clean fuels processes.
 2. Create a program that accelerates the product development of advanced feedstock conversion technologies for producing clean fuels from non-food-based crops, waste, and residue feedstocks.

Community Clean Energy



Community Clean Energy: Program Investments

Clean Energy Communities

- Will build the capacity of local governments to spur community-scale decarbonization through three efforts:
 1. Expanding its current framework to provide advanced decarbonization actions/policies for municipal and community projects. Local governments will be encouraged to implement streamlined and cost-effective actions and compete for reward-based grants that encourage additional clean energy projects.
 2. A network of experienced, regionally based firms will provide local governments with the technical support to become aware of decarbonization strategies and guide them through implementation.
 3. Starting in 2025 through this allocation allow for participation in non-SBC paying communities, the program will add cohorts to educate municipal officials about a specific building policy or initiative(s) and receive funding to support capacity and to plan evaluating opportunities to further fund the work.

Community Clean Energy: Program Investments

Clean Energy Workforce Development

- Amendment proposes funding to support the just transition of fossil fuel workers as well as new entrants from DACs to the clean energy workforce.
- Funding will support pre-apprenticeship programs that provide direct-entry into union apprenticeship programs, union training for apprentices and journey workers to support the transition to clean energy jobs including developing training curriculum and purchasing training equipment.
- Other activities: supporting clean energy workforce development for residents that do not pay the System Benefits Charge; K-12 clean energy career awareness; wrap-around support after all available resources have been exhausted for DAC residents entering the clean energy workforce.

Community Clean Energy: Program Investments

Clean Energy Hubs

- Supports increased engagement of Clean Energy Hubs in Long Island and NYC that provide information about the clean energy economy, residential energy assessments, program referrals (including for incentives and rebates), and program application assistance.
- This funding will also support Language Access Services (Translation/Interpretation) for all Community-facing programs.

Community Clean Energy: Program Investments

Community-Based DAC Engagement

- Provides seed funding for under-resourced community capacity-building.
- Includes community planning grants, technical assistance for equity planning, and technical assistance for community-scale clean energy and climate resilience project planning. Will also allow NYSERDA to provide compensation for stakeholder engagement.

Community Clean Energy: Program Investments

Clean Energy Siting & Soft Cost Reduction

- Provides technical support to local governments and communities in NY with education, tools, and resources to support local clean energy development, including solar, wind, energy storage, and other emerging dispatchable emissions free technologies.

Community Clean Energy: Program Investments

Climate Action Consumer Awareness & Education

- Increases awareness and understanding of the critical need for and benefits of climate action in NY.
- Targeted marketing campaigns to impact the purchase decisions and actions that are needed to reach the State's climate goals.

Directed Program Investments



Directed: Program Investments

Green Jobs - Green New York Additional Funding

- Provides residential financing including 15–year unsecured financing at market and below market rates.

Directed: Program Investments

Transfer to State - Environmental Protection Fund (EPF)

- NYS FY24-25 Budget directed NYSERDA to transfer \$5 million in RGGI funds to the EPF. Amendment assumes annual funding to support EPF programs that advance NY's leadership in reducing greenhouse gas emissions.

Directed: Program Investments

Grant Program Match Opportunities

- Amendment proposes to support applications for federal and other grants that require a funding match, thus allowing RGGI funds to be leveraged to secure additional funding to deliver greater relative benefit in areas aligned with RGGI objectives.

Discussion



Next Steps

DRAFT Operating Plan Amendment available from this webpage:

<https://www.nyserda.ny.gov/About/Funding/Regional-Greenhouse-Gas-Initiative/Useful-Documents>

Submit written comments to rggiprograms@nyserda.ny.gov by close of business on **December 23, 2024**

The Operating Plan Amendment will be provided to NYSERDA's Board of Directors for consideration at its next meeting on January 29, 2025