

New York's Regional Greenhouse Gas Initiative Operating Plan Amendment for 2024

Background

In New York, responsibility for implementing the Regional Greenhouse Gas Initiative (RGGI) is shared by the Department of Environmental Conservation (DEC) and the New York State Energy Research and Development Authority (NYSERDA). DEC and NYSERDA program responsibilities are contained in coordinated regulations:

- DEC established New York's CO₂ Budget Trading Program and the State's share of the total regional cap through a rule (6 NYCRR Part 242) and revisions to an existing rule (6 NYCRR Part 200, General Provisions). Part 242 establishes the cap-and-trade provisions, as well as program compliance responsibilities and other program aspects.
- NYSERDA set up the CO₂ Allowance Auction Program through regulations (21 NYCRR Part 507). Part 507 establishes administrative procedures for the auction process and provides that proceeds from the sale of the allowances will fund projects and programs for "energy efficiency, renewable or non-carbon emitting technologies, and innovative carbon emissions abatement technologies with significant carbon reduction potential, and for reasonable administrative costs incurred by the Authority."

The NYSERDA regulations include a provision to annually convene a group of stakeholders representing a broad array of energy and environmental interests. This group advises NYSERDA regarding strategies to best utilize RGGI funds. NYSERDA's RGGI Operating Plan is reviewed and revised on an annual basis. NYSERDA holds an open meeting of the stakeholder group each year, inviting input on how to achieve greater scale of implementation, advance activities that realize benefits in disadvantaged communities, expand private investments and partnerships, and address barriers to program success.

The Draft 2023 Operating Plan Amendment was presented to stakeholders for comment in December 2022 and was approved by NYSERDA's Board in January 2023. The 2023 Operating Plan was then compiled based on the NYSERDA Board approval.

This document represents the Draft 2024 Operating Plan Amendment and provides program descriptions and funding levels through March 2027. Appendix 1 provides an analysis of the revenues and program funding allocations planned for the fiscal years ending March 31st, as compared to actual/projected results.

Review of Programs and Budgets for the 2024 Operating Plan

New York State invests RGGI proceeds to support comprehensive strategies that best achieve the RGGI greenhouse gas emissions reduction goals, through energy efficiency, renewable energy, and carbon abatement strategies, pursuant to 21 NYCRR Part 507. The programs in the portfolio of initiatives are designed to support the pursuit of the State's greenhouse gas emissions reduction goals 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 pollution, and transition to cleaner energy;
- Stimulating entrepreneurship and growth of clean energy and carbon abatement companies in New York; and
- Creating innovative financing to increase adoption of clean energy and carbon abatement in the State.

The initiatives described below represent program activity proposed for the 2024 Operating Plan. The 2024 Operating Plan portfolio builds on the 2023 portfolio, with an increased focus on disadvantaged communities. The funding level allocated for each program during the planning period from FY23-24 through FY26-27 is presented in Table 1 on page 10, and Table 2 on page 11 presents the cumulative amounts through FY22-23, those during this planning period, and overall sum totals.

RGGI programs have and will continue, alongside other state programs, to contribute to economy-wide greenhouse gas emissions reductions and provide benefits to New York’s historically overburdened and underserved communities. NYSERDA’s CO₂ Allowance Auction Program supports the statewide goal of the Climate Leadership and Community Protection Act (Climate Act) that 40%, and no less than 35%, of the overall benefits from the investment of the [CO₂ Allowance Auctions] proceeds will be realized in disadvantaged communities. Appendix 2 of this Operating Plan amendment provides an estimate of how RGGI program commitments are anticipated to result in benefits for disadvantaged communities based on the final definition of disadvantaged communities and low-to-moderate-income investments from the Climate Justice Working Group. As such, Appendix 2 tracks post-2019 cumulative commitments, as this is the timeframe in which benefits are subject to the Climate Act. NYSERDA estimates that 45% of post-2019 commitments are expected to provide benefits to disadvantaged communities.

The funding allocation values represented in Table 1 provide an estimate of when funds will be assigned to each program. These figures do not reflect when funds will be spent or when contracts will be signed. Table 2 also reflects cumulative funding allocations through FY22-23, original and revised funding allocations for FY23-24, and estimated allocations for FY24-25 through FY26-27.

Multi-year programs that have remaining funds available for program expenditures but are not receiving additional funding under this Plan Amendment are not described below. Those programs will continue with the planned expenditure of their previously allocated funding as outlined in the 2023 RGGI Operating Plan.

For all RGGI-funded activities, NYSERDA will provide timely progress reports utilizing best practice protocols for project tracking and evaluation.

Program Descriptions

Renewable Energy

NY-Sun Statewide Customer Incentives

The NY-Sun initiative is driving the growth of the solar industry and makes solar technology more affordable for all New Yorkers. The program 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. This Amendment allocates a total of \$53.8 million during the planning period, comprised of \$6.97 million during FY23-24, \$20 million during FY24-25, \$17.85 million during FY25-26, and \$9 million during FY26-27. This funding 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. It is expected to primarily fund NY-Sun incentives for solar installations on New York City public schools and other New York City public buildings that are served by NYPA, but will also fund NY-Sun incentives for residential and commercial installations in areas served by municipal utilities in Upstate NY.

NY-Sun Long Island SEEF Incentives

This program, previously known as NY-Sun Community Solar / K-Solar, will provide Solar Energy Equity Framework (SEEF) incentives to Long Island Power Authority (LIPA) customers that do not pay into the System Benefits Charge. The NY-Sun SEEF supports solar projects benefiting low-to-moderate income households, disadvantaged communities, and affordable housing. This Amendment allocates a total of \$5 million during the planning period, comprised of \$1 million during FY24-25, \$3 million during FY25-26, and \$1 million during FY26-27.

Agrivoltaics

This Amendment allocates a total of \$27 million during the planning period, comprised of \$5 million in FY23-24, \$5 million in FY24-25, \$7 million in FY25-26, and \$10 million in FY26-27. This will enable continued collaboration between NYSERDA, New York State Department of Agriculture and Markets, as well as higher education institutions to further promote agrivoltaics. The purpose of this effort is to advance the technological, economic, and agricultural viability of solar energy technologies responsibly co-located within active farmland. Demonstration projects results would inform NYSERDA renewable energy procurement strategies, state renewable energy incentive programs, and solar development permitting. Through partnerships with academia and industry, NYSERDA would advance research and market development of agrivoltaic technologies. Through collaboration with agricultural commodity experts, NYSERDA would identify and expand markets for commodities produced via agrivoltaic deployment. Through collaboration with NGO's, rural communities, solar developers, and people currently under-represented in farming, NYSERDA would identify and develop opportunities for new farmers to participate in agrivoltaics. These activities would be performed in concert with an expanded liaison effort with farmland protection, economic development, and local officials to identify and promote technical tools, guidance, and strategies to facilitate the responsible siting of agrivoltaics.

Energy Efficiency / Building Electrification

LIPA Energy Efficiency and Renewable Energy

These funds enhance 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 ensure that RGGI funds meet the requirements of the RGGI regulations that funds are used to support energy efficiency and clean energy activities, as well as advancing the goal of benefits of investments in disadvantaged communities. NYSERDA is working with LIPA to maintain the level of market activity designed with the previous RGGI allocations. With this funding re-allocation, as well as additional funds, the Amendment allocates a total of \$80 million during the planning period, comprised of \$20 million per calendar year through the planning horizon. The LIPA Board of Trustees approves an annual energy efficiency program plan, which details the activities that these funds will support.

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

These funds will maintain support for low-to-moderate-income (LMI) customers statewide to provide energy efficiency and electrification incentive. RGGI funds allow inclusion of customers of municipal utilities and customers using delivered fuel, which cannot be funded through the Clean Energy Fund. These customers will be able to access incentives through Empower+, which provides comprehensive energy efficiency services programs for low- and moderate-income-qualified households in existing one-to-four family homes. This Amendment allocates a total of

\$135 million to these efforts during the planning period, comprised of \$30 million in FY23-24, \$30 million in FY24-25, \$45 million in FY25-26, and \$30 million in FY26-27.

Disadvantaged Communities Schools and Affordable Housing

These funds will support high performance energy efficiency and electrification projects in schools located in disadvantaged communities as well as affordable housing.

NYSERDA's Clean Green Schools Initiative helps public schools that traditionally lack resources to invest in infrastructure improvements become healthier, more productive learning environments. This Initiative aims to improve the environmental sustainability of those schools by reducing school energy loads, decarbonizing their building portfolio, improving indoor air quality, and providing clean energy educational opportunities. This funding will be used in conjunction with existing Clean Energy Fund and Bond Act funds to support competitively selected clean heating and cooling installations and/or other capital projects that move schools towards decarbonization.

NYSERDA has partnerships in place with NYS Homes and Community Renewal (HCR), NYC Housing Preservation and Development (HPD) and the New York City Housing Authority (NYCHA) and seeks to continue supporting decarbonization projects with these agencies. In particular, this funding will allow HCR-regulated affordable housing located in non-SBC territories, including municipal electric territory or Long Island, to access building decarbonization grant funding as part of HCR's financing processes and provide training, technical assistance, and strategic planning resources to support NYC HPD's development of a long-term portfolio-wide decarbonization strategy. Additionally, this initiative will support work with public housing authorities, like NYCHA, to decarbonize buildings with an emphasis on advancing packaged heat pump systems to develop clean heat for all.

This Amendment allocates a total of \$33.8 million to these efforts during the planning period comprised of \$17.3 million in FY23-24, \$6.5 million in FY24-25, \$5 million in FY25-26, and \$5 million in FY26-27. These investments continue to fund high-performance energy efficiency and electrification in schools located in disadvantaged communities as well as affordable housing.

Community Thermal Energy Networks

Heat pump technology has become a proven decarbonization solution, providing buildings with clean thermal energy for space heating, cooling, and domestic hot water. Thermal energy networks use a network of piped water to share thermal energy among a cluster of buildings and are a key strategy for building decarbonization and to reach scale, as defined in the Climate Action Council Scoping Plan. RGGI funds will be used to support the design and implementation of thermal energy networks as part of a statewide program. RGGI funds will allow NYSERDA to support State and local government facilities, as well as affordable housing developments and accelerate the deployment of heat pump systems across the State. This Amendment allocates a total of \$16.7 million to these efforts during the planning period comprised of \$7.7 million during FY23-24, \$3 million during FY24-25, \$4 million during FY25-26 and \$2 million during FY26-27.

Building Retrofit and New Construction Challenges

This funding will support competitive challenges that demonstrate exemplary design and high performance for new construction and hard to decarbonize existing buildings. NYSERDA's investments provide funding to leverage design professionals and new technical solutions to create economically viable pathways for replicable approaches to removing emissions from existing commercial and industrial buildings and the design and construction of new buildings. RGGI funding will allow these initiatives to serve non-SBC paying customers such as buildings located in Long Island as well as buildings served by municipal electric utilities. This Amendment allocates a total of \$56

million to these efforts during the planning period, comprised of \$10 million in FY23-24, \$10 million in FY24-25, \$18 million in FY25-26, and \$18 million in FY26-27.

Climate Resiliency Implementation Planning

This funding will continue supporting research and analysis to perform a climate change risk assessment for clean energy and electrification assets and investments to help ensure they will remain durable solutions over time. It also includes the research and development of NYS Climate Resiliency Design Guidelines in conjunction with DEC and OGS. This work will ensure that New York State begins to develop a clear roadmap for integrating climate risks as per Executive Order 22 (signed September 20, 2022) and the Climate Act Scoping Plan. This Amendment allocates a total of \$20 million to these efforts during the planning period, comprised of \$5 million in FY23-24, \$5 million in FY24-25, \$5 million in FY25-26, and \$5 million in FY26-27.

Support for 2 Million Climate Friendly Homes

This Amendment allocates a total of \$25 million to these efforts during the planning period, comprised of \$15 million in FY25-26, and \$10 million in FY26-27, toward programs supporting building efficiency and electrification. This funding will allow program support for customers of municipal utilities and customers using delivered fuel.

Innovative Finance & Risk Management (new)

This Amendment allocates a total of \$6 million to these efforts during the planning period, comprised of \$3 million in FY25-26, and \$3 million in FY26-27 for applied demonstrations of insurance product prototypes complementing the current Clean Energy Fund program (i.e., Tech to Market portfolio, as part of the Novel Business Models and Offerings). This investment will seek to achieve desired outcomes of developing novel insurance product prototype solutions targeted to climate technology companies, their customers, and financiers. Approximately \$1 million is targeted for continued, later-stage business acceleration services. The remaining \$5 million directly supports demonstrations of novel insurance products applied to climate technology solutions where lack of appropriate insurance products has limited market access and growth.

Clean Heat Consortium (new)

This Amendment allocates a total of \$12 million to these efforts during the planning period, comprised of \$2.5 million in FY24-25, \$4.5 million in FY25-26, and \$5 million in FY26-27. This funding will support public private partnerships to scale adoption of clean heat solutions in NYS buildings. Drawing on the success of the Clean Heat for All initiative at New York City Housing Authority and NYSERDA's Empire Building Challenge, this initiative leverages interest from building owners to work with the supply chain of manufacturers and solution providers to decarbonize through innovative new technologies such as packaged terminal heat pumps, cold climate all electric rooftop units, and heat pump domestic hot water systems with low global warming potential.

Innovative GHG Abatement Strategies

Electric Vehicles / ChargeNY

ChargeNY has been pursuing four strategies to promote plug-in electric vehicle (PEV) adoption by consumers across New York. First, NYSERDA implemented the Drive Clean Rebate program for PEVs in March 2017, accelerating purchases of PEVs by reducing upfront costs, which continues to be a focus of investment. Second, NYSERDA will continue to invest in marketing and awareness-building activities to build interest in PEVs among the public. A focus on building greater public knowledge and awareness of the capabilities of PEVs is essential to spur more private

investment in PEV purchases and PEV charging stations. This work may also include other market development activities, such as policy and business model development studies that support new ways for critical stakeholders, including utilities, local governments, and car dealers, to get involved in the PEV market. Third, NYSERDA will also support the installation of PEV charging stations at workplaces, multi-family buildings, and targeted public locations – location types that have been seen to be effective drivers for PEV adoption based on usage data reported from previous installations – and work with the site owners to further promote PEV adoptions. Fourth, NYSERDA will 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 PEVs and other electric mobility systems in a replicable and scalable way. This Amendment allocates a total of \$148.9 million to these efforts during the planning period, comprised of \$23 million in FY23-24, \$45.9 million in FY24-25, \$40 million in FY25-26, and \$40 million in FY26-27. These funds will be used to support continuation of current and additional ChargeNY strategies to ensure effective engagement with the market to build scale and ensure a focus on a just transition into future years.

Clean Energy Business Development

This Amendment allocates a total of \$5.4 million in FY24-25, which will support 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.

Natural Carbon Solutions

Achieving a net-zero carbon economy will require reducing emissions across all sectors. The agriculture and forestry sectors are looked upon to contribute carbon sequestration (i.e., negative emissions) as well as emissions reductions. This Amendment allocates a total of \$10 million to these efforts during the planning period, comprised of \$3 million in FY23-24, \$2 million in FY24-25, \$2 million in FY25-26, and \$3 million in FY26-27. These investments will help to catalyze technology and business solutions and lay the foundation for an economically self-sustaining bio-economy in New York State. By establishing a marketplace of natural emissions-lowering solutions the program will demonstrate pathways to support disadvantaged rural communities, economic development, existing agriculture, and forestry industries, while increasing jobs and revenue.

Scoping Plan Implementation Research

The Climate Leadership and Community Protection Act (Climate Act) was signed into law in 2019 as one of the most ambitious climate laws in the world, putting the State on a course to reduce greenhouse gas emissions and achieve net-zero emissions, increase renewable energy usage, and ensure climate justice. In anticipation of supporting work to realize recommendations included in the Climate Action Council’s final Scoping Plan, developed pursuant to the Climate Act. This funding may include technical analysis to support activity requiring more detailed information, such as natural gas system planning for decarbonized future, planning an economy wide cap-and-invest program, or support for a clean transportation standard. It may also support technical infrastructure to aide in implementation of key policy components of the Scoping Plan. This Amendment allocates a total of \$20 million to these efforts during the planning period comprised of \$5 million in FY23-24, \$5 million in FY24-25, \$5 million in FY25-26, and \$5 million in FY26-27.

Community Clean Energy

Clean Energy Communities

The statewide Clean Energy Communities program, which is also supported through the CEF, provides local governments with a common platform and the coaching, facilitation, technical assistance, and expertise for implementing the local-level policies, planning and activities needed to drive a future clean energy market. These local-level actions roll-up and help to deliver the regional sustainable growth strategies encouraged by the Cleaner Greener Communities program, consistent with the regional sustainability and economic development plans. This Amendment allocates a total of \$10 million to these efforts during the planning period, comprised of \$3 million in FY23-24, \$3 million in FY24-25, \$2 million in FY25-26, and \$2 million in FY26-27 to continue supporting communities in LIPA territory.

Healthy New Home Design & Construction Challenges

This Amendment allocates a total of \$12.05 million to these efforts during the planning period, comprised of \$3.05 million in FY23-24, \$3 million in FY24-25, \$3 million in FY25-26, and \$3 million in FY26-27, to support creating a healthy home builder and developer network to encourage builders to design and offer carbon neutral homes. Funding will also be used for a healthy Neighborhood Design Challenge to support all-electric sub-divisions and planned communities, as well as promote the benefits of healthy homes. This program intends to accelerate the pivot to the decarbonization of residential new construction and build market capability across the state (i.e., focus on Long Island area to complement existing activities already using Clean Energy Funds elsewhere in the state), which will support requiring decarbonized new construction via code and regulations on an accelerated 5-year track.

Clean Energy Workforce Development

This Amendment allocates a total of \$80 million to these efforts during the planning period, comprised of \$26 million in FY23-24, \$19 million in FY24-25, \$15 million in FY25-26, and \$20 million in FY26-27, to support the just transition of fossil fuel workers as well as new entrants from disadvantaged communities 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 will include supporting clean energy workforce development for residents that do not pay the System Benefits Charge, including Long Island residents, to allow statewide delivery; K-12 clean energy career awareness; and wrap-around support after all available resources have been exhausted for DAC residents entering the clean energy workforce to ensure these new entrants are successful in their careers (e.g., transportation stipends, personal protective equipment, access to childcare).

Clean Energy Hubs

NYSERDA will continue building local capacity within disadvantaged communities and improve stakeholder engagement. This Amendment allocates a total of \$18 million to these efforts during the planning period, comprised of \$3 million in FY23-24, \$3 million in FY24-25, \$6 million in FY25-26, and \$6 million in FY26-27, to increase engagement of residents and communities in New York City and Long Island, support the participation of community-based and advocacy organizations in stakeholder meetings, and support local projects. This will leverage the more than \$40 million for Clean Energy Hubs supported by the Clean Energy Fund. In 2022, NYSERDA launched this network of 12 Community Energy Hubs, one in each region of the state and three serving New York City. The Hubs build on the success of the Community Energy Engagement Program, wherein community and locally-based organizations across New York State provided outreach and education services to help low-income

residents and small businesses make informed energy choices and access incentives and other resources to implement clean energy projects. The Hubs are enhancing community-level engagement and capacity building by supporting clean energy concierge services and helping residents understand different clean energy solutions and apply for relevant programs. These services will be provided to residents, small businesses, nonprofits, and multifamily building owners in disadvantaged and underserved communities to increase awareness and adoption of clean energy programs and solutions, with the focus of creating a more inclusive clean energy economy. In addition, NYSERDA will increase the ability for community-based organizations and DAC residents to engage as subject matter experts in NYSERDA's clean energy policy and program design by compensating for their time and support local planning in disadvantaged communities. Funds allocated will allow for statewide activities alongside efforts supported through the Clean Energy Fund.

Climate Action Consumer Awareness & Education

This Amendment allocates a total of \$20 million to these efforts during the planning period, comprised of \$6 million in FY23-24, \$5 million in FY24-25, \$4.5 million in FY25-26, and \$4.5 million in FY26-27, to increase awareness and understanding of the critical need for and benefits of climate action in New York State. This investment will include an umbrella campaign to encourage broad engagement that is coordinated with a targeted marketing effort to impact the purchase decisions and actions that are needed to reach the State's climate goals. The targeted effort will address specific barriers across critical sectors and encourage adoption of new technologies that will improve quality of life and help decarbonize our buildings and economy.

Directed

Transfer to State – Environmental Protection Fund

The New York State Budget for FY23-24 directed NYSERDA to transfer \$5 million in RGGI funds to the Environmental Protection Fund (EPF). This Amendment assumes annual funding to support EPF programs that advance New York's leadership in reducing greenhouse gas emissions such as Climate Smart Communities, Smart Growth, and Greenhouse Gas Management. This Amendment assumes NYSERDA will be similarly directed for the upcoming fiscal years, and therefore allocates a total of \$20 million during the planning period, comprised of \$5 million in each year from FY23-24 through FY26-27.

Electric Generation Facility Cessation Mitigation

The Electric Generation Facility Cessation Mitigation Program was enacted at the end of the 2015 New York State Legislative Session and is designed to support the economic transition of communities reliant on power plants as a source of financial support. To date NYSERDA has provided \$45 million of the \$69 million authorized. NYSERDA will provide an additional \$24 million by FY26-27, of which \$842 thousand will be provided in FY23-24.

Green Jobs – Green New York

The Green Jobs-Green New York (GJGNY) Program, created under the Green Jobs-Green New York Act of 2009, provides New Yorkers with access to energy assessments, installation services, low interest financing, and pathways to training for various green-collar careers. The GJGNY program was originally funded with \$112 million of RGGI funds for program initiatives, and NYSERDA's Board has subsequently approved approximately \$184.6 million of additional RGGI funds through FY22-23 to provide low interest financing for residential energy efficiency improvements, residential solar photovoltaic systems and other renewable technologies.

This Amendment allocates a total of \$65.6 million to these efforts during the planning period, comprised of \$14.3 million in FY23-24, \$14.8 million in FY24-25, \$16.5 million in FY25-26, and \$20 million in FY26-27. These investments will continue GJGNY residential financing, including making 15-year unsecured financing at market or below-market interest rates available to consumers living in federal census block groups, where more than 50 percent of households have household income less than 120% of area median income (and allowing consumers living outside of these communities to qualify for this rate if they meet this income threshold), and also offering access to financing for consumers who may not qualify under traditional unsecured loan underwriting criteria but who meet NYSERDA's "Tier 2" underwriting criteria. This additional funding will also support energy audits for commercial buildings.

Federal Program Match Opportunities

This Amendment allocates a total of \$130.7 million to these efforts during the planning period, comprised of \$50 million in FY23-24, \$29 million in FY24-25, \$30 million in FY25-26, and \$21.7 million in FY26-27, to support applications for federal grants that require a funding match, thus allowing RGGI funds to be leveraged to secure additional federal funding to deliver greater relative benefit in areas aligned with RGGI objectives. NYSERDA will continue to monitor federal grant programs throughout the planning period, and will utilize RGGI proceeds alongside other funds to fulfill matching contribution requirements.

Other Non-Program Costs

Program Evaluation

This Amendment allocates a total of \$9 million to program evaluation during the planning period, comprised of \$2 million in FY23-24, \$2 million in FY24-25, \$2 million in FY25-26, and \$3 million in FY26-27, to continue funding Market Impact and Evaluation studies, which assess how RGGI-funded programs are having lasting impacts in the market and to assess technology performance. Studies assessing stand-alone RGGI programs will be undertaken, as well as studies that support programs funded through RGGI and other funding portfolios (e.g., Clean Energy Fund). RGGI Semi-annual Status Reports will summarize findings from these completed studies.

Anticipated Future Funding Allocations

The projected revenues and program funding allocations are presented below in Table 2. Additionally, the table presents program administration and evaluation costs, ongoing RGGI, Inc. costs, State Cost Recovery Fees, and other factors. The table below presents an increase in program administration funding, which reflect the projected increased need to support additional activities anticipated due to new program activity.

Funding Assumptions

This Amendment assumes that future auction proceeds are based on an auction allowance price of \$12.32 that is sustained through the end of the planning period. This figure is based on a lookback average of the past ten auctions, which coincides with the release by RGGI states of a preliminary timeline for conducting the Third Program Review. Relatedly, the revised auction allowance for FY22-23 is \$12.81, which is an average of the results of the first two RGGI auctions conducted this fiscal year and the \$12.32 per allowance estimate that is conservatively used going forward.

Opportunities for Other Allocations

New York has some of the most ambitious clean energy and decarbonization policies in the country, and NYSERDA has planned several initiatives and programmatic activities that are commensurate with the goals put forward in those policies.

In the event that future auction proceeds exceed the budgets presented in Table 1, NYSERDA intends to allocate additional funding to the program “Electric Vehicles / ChargeNY” presented on page 5, and also “EmPower+” from page 3. Lastly, additional proceeds can also be allocated to emerging or expanded programs focused on serving consumers in disadvantaged communities and low-to-moderate income households.

Table 1: Funding Allocations with Totals for this Planning Period

Category	Program	FY23-24	FY24-25	FY25-26	FY26-27	Total (This Planning Period)
Renewable Energy	NY-Sun Statewide Customer Incentives	6,970,000	20,000,000	17,850,000	9,000,000	53,820,000
	NY-Sun Long Island SEEF Incentives	-	1,000,000	3,000,000	1,000,000	5,000,000
	Residential PV Plus Storage	6,000,000	3,000,000	-	-	9,000,000
	Agrivoltaics	5,000,000	5,000,000	7,000,000	10,000,000	27,000,000
Energy Efficiency / Building Electrification	LIPA Efficiency and RE	20,000,000	20,000,000	20,000,000	20,000,000	80,000,000
	EmPower Plus	30,000,000	30,000,000	45,000,000	30,000,000	135,000,000
	Pilot Projects with Municipal Utilities	1,000,000	-	-	-	1,000,000
	Disadvantaged Communities Schools and Affordable Housing	17,300,000	6,500,000	5,000,000	5,000,000	33,800,000
	Multifamily Low Carbon Capital Planning / Pathway Projects	5,000,000	3,000,000	7,000,000	10,000,000	25,000,000
	Community Thermal Energy Networks	7,700,000	3,000,000	4,000,000	2,000,000	16,700,000
	Building Retrofit and New Construction Challenges	10,000,000	10,000,000	18,000,000	18,000,000	56,000,000
	Climate Resiliency Implementation Planning	5,000,000	5,000,000	5,000,000	5,000,000	20,000,000
	Support for 2 Million Homes Goal	-	-	15,000,000	10,000,000	25,000,000
	Innovative Finance & Risk Management	-	-	3,000,000	3,000,000	6,000,000
	Clean Heat Consortium	-	2,500,000	4,500,000	5,000,000	12,000,000
Innovative GHG Abatement Strategies	Electric Vehicle/Charge NY	23,000,000	45,900,000	40,000,000	40,000,000	148,900,000
	Clean Energy Business Development	-	5,400,000	-	-	5,400,000
	Natural Carbon Solutions	3,000,000	2,000,000	2,000,000	3,000,000	10,000,000
	Equity and Climate Transformation Research	900,000	900,000	-	-	1,800,000
	Climate Mitigation and Resilience Research	500,000	-	-	-	500,000
	Scoping Plan Implementation Research	5,000,000	5,000,000	5,000,000	5,000,000	20,000,000
	Hydrogen Hubs	-	5,000,000	-	-	5,000,000
Community Clean Energy	Clean Energy Communities	3,000,000	3,000,000	2,000,000	2,000,000	10,000,000
	Healthy New Home Design & Construction Challenge	3,050,000	3,000,000	3,000,000	3,000,000	12,050,000
	Clean Energy Workforce Development	26,000,000	19,000,000	15,000,000	20,000,000	80,000,000
	Clean Energy Hubs	3,000,000	3,000,000	6,000,000	6,000,000	18,000,000
	Climate Action Consumer Awareness & Education	6,000,000	5,000,000	4,500,000	4,500,000	20,000,000
Directed	NYS Environmental Protection Fund	5,000,000	5,000,000	5,000,000	5,000,000	20,000,000
	Electric Generation Facility Cessation Mitigation/ Just Transition	842,000	1,000,000	8,000,000	14,158,000	24,000,000
	Green Jobs-Green NY- Additional Funding	14,300,560	14,800,560	16,500,000	20,000,000	65,601,120
	Federal Program Match Opportunities	50,000,000	29,000,000	30,000,000	21,664,544	130,664,544
Administration and Other Non-Program Costs	Program Administration	16,500,000	21,321,667	21,321,667	21,321,667	80,465,000
	Program Evaluation	2,000,000	2,000,000	2,000,000	3,000,000	9,000,000
	RGGI Inc pro-rata costs	825,000	825,000	825,000	825,000	3,300,000
	State Cost Recovery	2,567,670	2,360,913	2,395,084	2,714,550	10,038,217

Table 2: Cumulative Revenues and Program Funding Allocations

Category	Program	Cumulative FY22-23	FY23-24	FY24-25	FY25-26	FY26-27	Total (All-Time)
Proceeds	Number of allowances	456,350,245	20,043,750	19,163,256	19,440,617	22,033,683	537,031,550
	Allowance price	\$4.33	\$12.81	\$12.32	\$12.32	\$12.32	\$5.55
	RGGI Auction Proceeds	1,976,907,036	256,766,981	236,091,314	239,508,395	271,454,971	2,980,728,698
	Interest Earnings	25,257,125	11,344,000	19,542,000	17,555,000	15,918,000	89,616,125
	Total Revenues	2,002,164,161	268,110,981	255,633,314	257,063,395	287,372,971	3,070,344,823
Renewable Energy	NY-Sun Statewide Customer Incentives	30,000,000	6,970,000	20,000,000	17,850,000	9,000,000	83,820,000
	NY-Sun Long Island SEEF Incentives	7,500,000	-	1,000,000	3,000,000	1,000,000	12,500,000
	NY-Sun Long Island incentives	55,000,000	-	-	-	-	55,000,000
	Residential PV Plus Storage	-	6,000,000	3,000,000	-	-	9,000,000
	Renewable Heat NY	10,300,083	-	-	-	-	10,300,083
	Agrivoltaics	-	5,000,000	5,000,000	7,000,000	10,000,000	27,000,000
	Advanced Renewable Energy	2,837,698	-	-	-	-	2,837,698
	NYS Generation Attributes Tracking System	789,933	-	-	-	-	789,933
NYSERDA PV incentives	5,319,821	-	-	-	-	5,319,821	
Energy Efficiency / Building Electrification	Clean Energy Workforce Opportunity Program	15,000,000	-	-	-	-	15,000,000
	LIPA Efficiency and RE	269,600,000	20,000,000	20,000,000	20,000,000	20,000,000	349,600,000
	Energy Storage (LIPA territory)	12,926,434	-	-	-	-	12,926,434
	EmPower Plus	71,475,905	30,000,000	30,000,000	45,000,000	30,000,000	206,475,905
	Pilot Projects with Municipal Utilities	2,000,000	1,000,000	-	-	-	3,000,000
	Disadvantaged Communities Schools and Affordable Housing	25,600,000	17,300,000	6,500,000	5,000,000	5,000,000	59,400,000
	Multifamily Low Carbon Capital Planning / Pathway Projects	-	5,000,000	3,000,000	7,000,000	10,000,000	25,000,000
	Community Thermal Energy Networks	5,000,000	7,700,000	3,000,000	4,000,000	2,000,000	21,700,000
	Building Retrofit and New Construction Challenges	-	10,000,000	10,000,000	18,000,000	18,000,000	56,000,000
	Climate Resiliency Implementation Planning	-	5,000,000	5,000,000	5,000,000	5,000,000	20,000,000
	Support for 2 Million Homes Goal	-	-	-	15,000,000	10,000,000	25,000,000
	Multifamily Performance Program	15,046,683	-	-	-	-	15,046,683
	Multifamily Carbon Emissions Reduction	5,833,019	-	-	-	-	5,833,019
	Solar Thermal incentive	4,226,947	-	-	-	-	4,226,947
	Municipal Water/Wastewater	1,245,242	-	-	-	-	1,245,242
	Innovative Finance & Risk Management	-	-	-	3,000,000	3,000,000	6,000,000
	Clean Heat Consortium	-	-	2,500,000	4,500,000	5,000,000	12,000,000
Green Residential Buildings	2,744,601	-	-	-	-	2,744,601	
Innovative GHG Abatement Strategies	Southern Tier Competition (76 West)	11,000,000	-	-	-	-	11,000,000
	Brookhaven National Lab- ION Collider	25,000,000	-	-	-	-	25,000,000
	Electric Vehicle/Charge NY	102,400,000	23,000,000	45,900,000	40,000,000	40,000,000	251,300,000
	Advanced Buildings & Industrial Innovations	13,307,654	-	-	-	-	13,307,654
	Climate Research & Analysis	8,729,296	-	-	-	-	8,729,296
	Competitive GHG Reduction Pilot	972,650	-	-	-	-	972,650
	Clean Energy Business Development	5,809,987	-	5,400,000	-	-	11,209,987
	Transportation Research	3,819,311	-	-	-	-	3,819,311
	Natural Carbon Solutions	2,000,000	3,000,000	2,000,000	2,000,000	3,000,000	12,000,000
	Equity and Climate Transformation Research	800,000	900,000	900,000	-	-	2,600,000
	Climate Mitigation and Resilience Research	1,000,000	500,000	-	-	-	1,500,000
	Scoping Plan Implementation Research	-	5,000,000	5,000,000	5,000,000	5,000,000	20,000,000
	Hydrogen Hubs	-	5,000,000	-	-	-	5,000,000
	PV Manufacturing consortium	8,480,000	-	-	-	-	8,480,000
Carbon Sequestration	1,000,000	-	-	-	-	1,000,000	
Community Clean Energy	Cleaner Greener Communities	94,261,895	-	(4,900,000)	-	-	89,361,895
	Clean Energy Communities	10,273,120	3,000,000	3,000,000	2,000,000	2,000,000	20,273,120
	Climate Smart Communities	7,674,999	-	-	-	-	7,674,999
	Community Energy Engagement	4,400,000	(3,000,000)	-	-	-	1,400,000
	Economic Development Growth Extension	5,843,047	-	-	-	-	5,843,047
	Energy to Lead	3,000,000	-	-	-	-	3,000,000
	Renewable/Net-Zero Energy Demonstrations	7,500,000	-	-	-	-	7,500,000
	Healthy New Home Design & Construction Challenges	1,000,000	3,050,000	3,000,000	3,000,000	3,000,000	13,050,000
	Clean Energy Workforce Development	4,000,000	26,000,000	19,000,000	15,000,000	20,000,000	84,000,000
	Clean Energy Hubs	10,700,000	3,000,000	3,000,000	6,000,000	6,000,000	28,700,000
	Climate Action Consumer Awareness & Education	1,500,000	6,000,000	5,000,000	4,500,000	4,500,000	21,500,000
	Air Monitoring	8,000,000	-	-	-	-	8,000,000
	Regional Economic Development & GHG Reduction	10,246,443	-	-	-	-	10,246,443
	Directed	NYS Environmental Tax Credits	179,000,000	-	-	-	-
NYS Environmental Protection Fund		15,000,000	5,000,000	5,000,000	5,000,000	5,000,000	35,000,000
Electric Generation Facility Cessation Mitigation/ Just Transition		50,000,000	842,000	1,000,000	8,000,000	14,158,000	74,000,000
Green Jobs-Green NY- Original Legislation		112,000,000	-	-	-	-	112,000,000
Green Jobs-Green NY- Additional Funding		184,662,249	14,300,560	14,800,560	16,500,000	20,000,000	250,263,369
Transfer to Clean Energy Standard		719,424	-	-	-	-	719,424
NYS Budget Transfer		90,000,000	-	-	-	-	90,000,000
Federal Program Match Opportunities		-	50,000,000	29,000,000	30,000,000	21,664,544	130,664,544
CEF	Transfer to(from) Clean Energy Fund	186,226,804	22,000,000	22,000,000	19,773,196	-	250,000,000
Administration and Other Non-Program Costs	Program Administration	59,896,359	16,500,000	21,321,667	21,321,667	21,321,667	140,361,359
	Program Evaluation	10,155,429	2,000,000	2,000,000	2,000,000	3,000,000	19,155,429
	Commensurate Benefit/Litigation reserve	21,900,366	-	-	-	-	21,900,366
	RGGI Inc Startup Costs	1,598,204	-	-	-	-	1,598,204
	RGGI Inc pro-rata costs	10,833,667	825,000	825,000	825,000	825,000	14,133,667
	State Cost Recovery	17,275,476	2,567,670	2,360,913	2,395,084	2,714,550	27,313,693
	Total Funding Allocations	1,834,432,746	303,455,230	294,608,140	337,664,947	300,183,760	3,070,344,823
Unprogrammed/(Overcommitment)	167,731,415	(35,344,249)	(38,974,826)	(80,601,551)	(12,810,789)	0	
Cumulative Unprogrammed(Overcommitment)	167,731,415	132,387,166	93,412,340	12,810,789	0	0	

Note: *Totals may not sum exactly due to rounding. Fiscal years begin on April 1st and end on March 31st.
 Highlighted programs indicate newly funded programs or additional funding to existing programs, as detailed in Table 1

Table 3: RGGI Cash Flow

Category		Cumulative 3/31/23	FY23-24	FY24-25	FY25-26	FY26-27	Thereafter
Proceeds	Number of allowances	456,350,245	20,043,750	19,163,256	19,440,617	22,033,683	
	Allowance price	\$4.33	\$12.81	\$12.32	\$12.32	\$12.32	
	RGGI Auction Proceeds	1,976,907,036	256,766,981	236,091,314	239,508,395	271,454,971	
	Interest Earnings	25,257,126	11,344,000	19,542,000	17,555,000	15,918,000	
	Total Revenues	2,002,164,161	268,110,981	255,633,314	257,063,395	287,372,971	
Renewable Energy	NY-Sun Statewide Customer Incentives	9,406,116	5,431,500	5,440,000	5,440,000	5,440,000	52,662,384
	NY-Sun Long Island SEEF Incentives	2,832,148	775,000	780,000	780,000	780,000	6,552,852
	NY SUN Long Island incentives	50,790,368	1,300,000	1,200,000	1,200,000	509,632	-
	Residential PV Plus Storage	-	-	-	3,000,000	3,000,000	3,000,000
	Renewable Heat NY	9,569,502	200,000	200,000	125,000	100,000	105,581
	Agrivoltaics	-	500,000	1,000,000	2,000,000	5,000,000	18,500,000
	Advanced Renewable Energy	2,837,698	-	-	-	-	-
	NYS Generation Attributes Tracking System	688,443	101,490	-	-	-	-
	NYSDERDA PV incentives	5,319,821	-	-	-	-	-
Energy Efficiency / Building Electrification	Clean Energy Workforce Opportunity Program	15,000,000	-	-	-	-	-
	LIPA Efficiency and RE	269,600,000	20,000,000	20,000,000	20,000,000	20,000,000	-
	Energy Storage (LIPA territory)	3,547,561	1,600,000	3,100,000	3,100,000	1,578,873	-
	EmPower Plus	68,158,285	30,000,000	30,000,000	45,000,000	30,000,000	3,317,620
	Pilot Projects with Municipal Utilities	-	500,000	1,500,000	1,000,000	-	-
	Disadvantaged Communities Schools and Affordable Housing	307,667	1,000,000	3,200,000	14,900,000	12,600,000	27,392,333
	Multifamily Low Carbon Capital Planning / Pathway Projects	-	500,000	4,000,000	5,000,000	5,000,000	10,500,000
	Community Thermal Energy Networks	-	4,000,000	1,855,000	3,300,000	2,750,000	9,795,000
	Building Retrofit and New Construction Challenges	-	-	500,000	1,750,000	3,250,000	50,500,000
	Climate Resiliency Implementation Planning	-	-	1,000,000	3,000,000	3,000,000	13,000,000
	Support for 2 Million Homes Goal	-	-	-	6,000,000	7,000,000	12,000,000
	Multifamily Performance Program	14,773,871	50,000	50,000	50,000	50,000	72,812
	Multifamily Carbon Emissions Reduction	5,833,019	-	-	-	-	-
	Solar Thermal incentive	4,226,947	-	-	-	-	-
	Municipal Water/Wastewater	1,245,242	-	-	-	-	-
	Innovative Finance & Risk Management	-	-	-	500,000	1,000,000	4,500,000
Clean Heat Consortium	-	-	600,000	1,500,000	2,000,000	7,900,000	
Green Residential Buildings	2,744,601	-	-	-	-	-	
Innovative GHG Abatement Strategies	Southern Tier Competition (76 West)	10,720,193	279,807	-	-	-	-
	Brookhaven National Lab- ION Collider	24,999,638	362	-	-	-	-
	Electric Vehicle/Charge NY	77,004,030	20,000,000	40,000,000	35,000,000	35,000,000	44,295,970
	Advanced Buildings & Industrial Innovations	10,884,772	320,000	220,000	200,000	200,000	1,482,882
	Climate Research & Analysis	8,659,462	69,834	-	-	-	-
	Competitive GHG Reduction Pilot	972,650	-	-	-	-	-
	Clean Energy Business Development	5,721,023	-	100,000	500,000	1,000,000	3,888,964
	Transportation Research	3,801,867	17,444	-	-	-	-
	Natural Carbon Solutions	-	-	800,000	3,000,000	3,200,000	5,000,000
	Equity and Climate Transformation Research	101,913	450,000	700,000	800,000	548,087	-
	Climate Mitigation and Resilience Research	933,519	100,000	400,000	66,481	-	-
	Scoping Plan Implementation Research	-	4,000,000	3,000,000	3,000,000	3,000,000	7,000,000
	Hydrogen Hubs	-	3,000,000	500,000	500,000	500,000	500,000
	PV Manufacturing consortium	8,480,000	-	-	-	-	-
Carbon Sequestration	1,000,000	-	-	-	-	-	
Community Clean Energy	Cleaner Greener Communities	77,189,454	2,500,000	3,056,000	3,000,000	3,000,000	616,441
	Clean Energy Communities	2,186,705	500,000	640,000	3,700,000	3,700,000	9,546,415
	Climate Smart Communities	5,718,975	400,000	720,000	836,024	-	-
	Community Energy Engagement	1,392,651	7,349	-	-	-	-
	Economic Development Growth Extension	5,566,123	50,000	50,000	176,924	-	-
	Energy to Lead	1,893,962	500,000	500,000	106,038	-	-
	Renewable/Net-Zero Energy Demonstrations	5,000,000	500,000	500,000	500,000	500,000	500,000
	Healthy New Home Design & Construction Challenge	-	-	-	500,000	1,000,000	11,550,000
	Clean Energy Workforce Development	2,415,245	3,000,000	21,800,000	10,000,000	10,000,000	36,784,755
	Clean Energy Hubs	845,697	3,500,000	3,500,000	4,000,000	4,000,000	12,854,303
	Climate Action Consumer Awareness & Education	555,046	1,500,000	10,000,000	4,400,000	5,044,954	-
Air Monitoring	3,000,000	5,000,000	-	-	-	-	
Regional Economic Development & GHG Reduction	10,237,430	-	9,013	-	-	-	
Directed	NYS Environmental Tax Credits	179,000,000	-	-	-	-	-
	NYS Environmental Protection Fund	15,000,000	5,000,000	5,000,000	5,000,000	5,000,000	-
	Electric Generation Facility Cessation Mitigation	45,133,381	1,342,000	1,000,000	3,710,000	7,145,000	15,669,619
	Green Jobs-Green NY- Original Legislation	112,000,000	-	-	-	-	-
	Green Jobs-Green NY- Additional Funding	184,662,249	14,300,560	14,800,560	16,500,000	20,000,000	-
	Transfer to Clean Energy Standard	719,424	-	-	-	-	-
	NYS Budget Transfer	90,000,000	-	-	-	-	-
	NYS Temporary Budget Transfer	4,664,233	(3,306,082)	(1,358,151)	-	-	-
	Federal Program Match Opportunities	-	1,000,000	5,000,000	15,000,000	10,000,000	99,664,544
CEF	Transfer to Clean Energy Fund	186,226,804	22,000,000	22,000,000	19,773,196	-	-
	Transfer to NY Green Bank	-	-	-	-	-	-
Administration and Other Non-Program Costs	Program Administration	57,430,358	16,500,000	21,321,667	21,321,667	21,321,667	2,466,001
	Program Evaluation	6,635,712	450,000	1,000,000	1,000,000	1,000,000	9,069,717
	Commensurate Benefit/Litigation reserve	21,900,366	-	-	-	-	-
	RGGI Inc Startup Costs	1,598,204	-	-	-	-	-
	RGGI Inc pro-rata costs	9,961,114	825,000	825,000	825,000	825,000	872,553
	State Cost Recovery	15,807,077	1,241,890	1,771,235	2,131,902	1,988,945	4,372,644
Total Expenses	1,666,900,566	171,006,154	232,280,324	273,192,232	241,032,158	485,933,390	
Cash Increase/(Decrease)	335,263,596	97,104,827	23,352,990	(16,128,837)	46,340,814	(485,933,390)	
Cash Balance	335,263,596	432,368,422	455,721,413	439,592,576	485,933,390	0	

Note: *Totals may not sum exactly due to rounding. Fiscal years begin on April 1st and end on March 31st.

Appendix 1

January 2023 Operating Plan Revenues and Program Funding Allocations Compared to Actuals/Projections

Category	Program	FY 22-23 Plan	FY 22-23 Actual
Proceeds	Number of allowances	21,132,232	21,132,232
	Allowance price	\$12.78	\$13.22
	RGGI Auction Proceeds	270,043,962	279,362,986
	Interest Earnings	7,815,000	6,999,044
	Total Revenues	277,858,962	286,362,030
Renewable Energy	NY-Sun Statewide Customer Incentives	1,000,000	1,000,000
	NY-Sun Long Island SEEF Incentives	-	-
	NY-Sun Long Island incentives	-	-
	Residential PV Plus Storage	-	-
	Renewable Heat NY	-	-
	Agrivoltaics	-	-
	Advanced Renewable Energy	-	-
	NYS Generation Attributes Tracking System	-	-
Energy Efficiency / Building Electrification	Clean Energy Workforce Opportunity Program	-	-
	LIPA Efficiency and RE	20,000,000	20,000,000
	Energy Storage (LIPA territory)	-	-
	EmPower Plus	16,000,000	16,000,000
	Pilot Projects with Municipal Utilities	1,000,000	1,000,000
	Disadvantaged Communities Schools and Affordable Housing	12,600,000	12,600,000
	Multifamily Low Carbon Capital Planning / Pathway Projects	-	-
	Community Thermal Energy Networks	5,000,000	5,000,000
	Building Retrofit and New Construction Challenges	-	-
	Climate Resiliency Implementation Planning	-	-
	Support for 2 Million Homes Goal	-	-
	Multifamily Performance Program	-	-
	Multifamily Carbon Emissions Reduction	-	-
	Solar Thermal incentive	-	-
	Municipal Water/Wastewater	-	-
	Green Residential Buildings	-	-
Innovative GHG Abatement Strategies	Southern Tier Competition (76 West)	-	-
	Brookhaven National Lab- ION Collider	-	-
	Electric Vehicle/Charge NY	42,400,000	42,400,000
	Advanced Buildings & Industrial Innovations	-	-
	Climate Research & Analysis	-	-
	Competitive GHG Reduction Pilot	-	-
	Clean Energy Business Development	-	-
	Transportation Research	-	-
	Natural Carbon Solutions	2,000,000	2,000,000
	Equity and Climate Transformation Research	800,000	800,000
	Climate Mitigation and Resilience Research	500,000	500,000
	Scoping Plan Implementation Research	-	-
	Hydrogen Hubs	-	-
	PV Manufacturing consortium	-	-
Carbon Sequestration	-	-	
Community Clean Energy	Cleaner Greener Communities	-	-
	Clean Energy Communities	3,000,000	3,000,000
	Climate Smart Communities	-	-
	Community Energy Engagement	2,000,000	2,000,000
	Economic Development Growth Extension	-	-
	Energy to Lead	-	-
	Renewable/Net-Zero Energy Demonstrations	500,000	500,000
	Healthy New Home Design & Construction Challenge	1,000,000	1,000,000
	Clean Energy Workforce Development	2,000,000	2,000,000
	Clean Energy Hubs	10,700,000	10,700,000
	Climate Action Consumer Awareness & Education	1,500,000	1,500,000
	Air Monitoring	-	-
	Regional Economic Development & GHG Reduction	-	-
Directed	NYS Environmental Tax Credits	-	-
	NYS Environmental Protection Fund	5,000,000	5,000,000
	Electric Generation Facility Cessation Mitigation/ Just Transition	-	-
	Green Jobs-Green NY- Original Legislation	-	-
	Green Jobs-Green NY- Additional Funding	29,936,974	29,936,974
	Transfer to Clean Energy Standard	-	-
	NYS Budget Transfer	-	-
	NYS Temporary Budget Transfer	-	-
CEF	Federal Program Match Opportunities	-	-
	Transfer to(from) Clean Energy Fund	22,000,000	22,000,000
Administration and Other Non-Program Costs	Program Administration	12,800,000	12,800,000
	Program Evaluation	1,000,000	1,000,000
	Commensurate Benefit/Litigation reserve	-	-
	RGGI Inc Startup Costs	-	-
	RGGI Inc pro-rata costs	825,000	825,000
	State Cost Recovery	2,700,440	1,985,819
Total Funding Allocations		196,262,414	195,547,793
Unprogrammed/(Overcommitment)		81,596,548	90,814,237
Cumulative Unprogrammed(Overcommitment)		158,513,727	167,731,415

Appendix 2

RGGI Commitments Benefiting Disadvantaged Communities

Category	Program	Cumulative			SUBJECT TO CLCPA			Total
		Commitments 12/31/19	Estimated LMI/ Disadvantaged Community Benefit	%	Post-2019 Commitments	Estimated LMI/ Disadvantaged Community Benefit	%	
Renewable Energy	NY-Sun Statewide Customer Incentives	9,706,046	3,397,116	35%	74,113,954	25,939,884	35%	83,820,000
	NY-Sun Long Island SEEF Incentives	1,249,272	-	0%	11,250,728	9,000,582	80%	12,500,000
	NY-Sun Long Island incentives	51,200,565	-	0%	3,799,435	-	0%	55,000,000
	Residential PV Plus Storage	-	-	40%	9,000,000	3,600,000	40%	9,000,000
	Renewable Heat NY	9,634,826	-	0%	665,257	-	0%	10,300,083
	Agrivoltaics	-	-	-	27,000,000	4,050,000	15%	27,000,000
	Advanced Renewable Energy	2,837,698	-	0%	-	-	0%	2,837,698
	NYS Generation Attributes Tracking System	789,933	-	0%	-	-	0%	789,933
	NYSERDA PV incentives	5,319,821	-	0%	-	-	0%	5,319,821
	Energy Efficiency / Building Electrification	Clean Energy Workforce Opportunity Program	15,000,000	-	0%	-	-	0%
LIPA Efficiency and RE		204,600,000	61,380,000	30%	145,000,000	50,750,000	35%	349,600,000
Energy Storage (LIPA territory)		301,575	-	0%	12,624,859	-	0%	12,926,434
NYC Retail Storage		-	-	0%	-	-	40%	-
EmPower Plus		52,857,971	52,857,971	100%	153,617,934	107,532,554	70%	206,475,905
Pilot Projects with Municipal Utilities		-	-	35%	3,000,000	1,050,000	35%	3,000,000
Disadvantaged Communities Schools and Affordable Housing		-	-	100%	59,400,000	59,400,000	100%	59,400,000
Multifamily Low Carbon Capital Planning / Pathway Projects		-	-	45%	25,000,000	15,000,000	60%	25,000,000
Community Thermal Energy Networks		-	-	66%	21,700,000	8,680,000	40%	21,700,000
Building Retrofit and New Construction Challenges		-	-	35%	56,000,000	33,600,000	60%	56,000,000
Climate Resiliency		-	-	40%	20,000,000	8,000,000	40%	20,000,000
Support for 2 Million Homes Goal		-	-	35%	25,000,000	4,500,000	40%	25,000,000
Multifamily Performance Program		15,046,683	-	0%	-	-	0%	15,046,683
Multifamily Carbon Emissions Reduction		5,833,019	-	0%	-	-	0%	5,833,019
Solar Thermal incentive		4,226,947	-	0%	-	-	0%	4,226,947
Municipal Water/Wastewater		1,245,242	-	0%	-	-	0%	1,245,242
Innovative Finance & Risk Management		-	-	0%	6,000,000	-	0%	6,000,000
Clean Heat Consortium	-	-	0%	12,000,000	4,800,000	40%	12,000,000	
Green Residential Buildings	2,744,601	-	0%	-	-	0%	2,744,601	
Innovative GHG Abatement Strategies	Southern Tier Competition (76 West)	10,262,850	-	0%	737,150	-	0%	11,000,000
	Brookhaven National Lab- ION Corridor	25,000,000	-	0%	-	-	0%	25,000,000
	Electric Vehicle/Charge NY	11,188,399	-	0%	240,111,601	60,027,900	25%	251,300,000
	Advanced Buildings & Industrial Innovations	13,307,654	-	0%	-	-	0%	13,307,654
	Climate Research & Analysis	8,729,296	-	0%	-	-	0%	8,729,296
	Competitive GHG Reduction Pilot	972,650	-	0%	-	-	0%	972,650
	Clean Energy Business Development	5,809,987	-	0%	5,400,000	2,700,000	50%	11,209,987
	Transportation Research	3,819,311	-	0%	-	-	0%	3,819,311
	Natural Carbon Solutions	-	-	50%	12,000,000	6,000,000	50%	12,000,000
	Equity and Climate Transformation Research	-	-	100%	2,600,000	2,600,000	100%	2,600,000
	Climate Mitigation and Resilience Research	-	-	0%	1,500,000	-	0%	1,500,000
	Scoping Plan Implementation Research	-	-	-	20,000,000	8,000,000	40%	20,000,000
	Hydrogen Hubs	-	-	-	5,000,000	1,750,000	35%	5,000,000
	PV Manufacturing consortium	8,480,000	-	0%	-	-	0%	8,480,000
Carbon Sequestration	1,000,000	-	0%	-	-	0%	1,000,000	
Community Clean Energy	Cleaner Greener Communities	94,261,895	-	0%	(4,900,000)	-	0%	89,361,895
	Clean Energy Communities	2,086,963	-	0%	18,186,157	9,093,079	50%	20,273,120
	Climate Smart Communities	5,321,157	-	0%	2,353,842	-	0%	7,674,999
	Community Energy Engagement	675,730	-	0%	724,270	586,659	81%	1,400,000
	Economic Development Growth Extension	5,562,723	-	0%	280,324	-	0%	5,843,047
	Energy to Lead	3,000,000	-	0%	-	-	0%	3,000,000
	Renewable/Net-Zero Energy Demonstrations	3,000,000	-	0%	4,500,000	-	0%	7,500,000
	Healthy New Home Design & Construction Challenge	-	-	0%	13,050,000	4,567,500	35%	13,050,000
	Clean Energy Workforce Development	-	-	0%	84,000,000	38,640,000	46%	84,000,000
	Clean Energy Hubs	-	-	100%	28,700,000	28,700,000	100%	28,700,000
	Climate Action Consumer Awareness & Education	-	-	50%	21,500,000	10,750,000	50%	21,500,000
	Air Monitoring	-	-	100%	8,000,000	8,000,000	100%	8,000,000
	Regional Economic Development & GHG Reduction	10,246,443	-	0%	-	-	0%	10,246,443
Directed	NYS Environmental Tax Credits	133,000,000	19,950,000	15%	46,000,000	6,900,000	15%	179,000,000
	NYS Environmental Protection Fund	-	-	35%	35,000,000	12,250,000	35%	35,000,000
	Electric Generation Facility Cessation Mitigation/ Just Transition	30,000,000	30,000,000	100%	44,000,000	44,000,000	100%	74,000,000
	Green Jobs-Green NY- Original Legislation	112,000,000	39,200,000	35%	-	-	35%	112,000,000
	Green Jobs-Green NY- Additional Funding	105,025,275	36,758,846	35%	145,238,094	50,833,333	35%	250,263,369
	Transfer to Clean Energy Standard	719,424	-	0%	-	-	0%	719,424
	NYS Budget Transfer	90,000,000	-	0%	-	-	0%	90,000,000
Federal Program Match Opportunities	-	-	0%	130,664,544	52,265,818	40%	130,664,544	
	SUBTOTAL	1,066,063,956	243,543,933	23%	1,529,818,149	683,567,308	45%	2,595,882,105
Administration and Other Non-Program Costs	Transfer to/from Clean Energy Fund	73,790,932	-	-	176,209,068	-	-	250,000,000
	Program Administration	31,931,071	-	-	108,430,288	-	-	140,361,359
	Program Evaluation	5,999,519	-	-	13,155,910	-	-	19,155,429
	Commensurate Benefit/Litigation reserve	21,900,366	-	-	-	-	-	21,900,366
	RGGI Inc Startup Costs	1,598,204	-	-	-	-	-	1,598,204
	RGGI Inc pro-rata costs	7,746,048	-	-	6,387,619	-	-	14,133,667
	State Cost Recovery	12,606,619	-	-	14,707,074	-	-	27,313,693
	SUBTOTAL	155,572,759	-	-	318,889,959	-	-	474,462,718
	TOTAL	1,221,636,715	243,543,933	23%	1,848,708,108	683,567,308	45%	3,070,344,823