

New York's Regional Greenhouse Gas Initiative Operating Plan Amendment for 2014 (May 2, 2014 Draft)

Background

In New York, responsibility for implementing the State's participation in the Regional Greenhouse Gas Initiative (RGGI) is shared by three departments of state government: the Department of Environmental Conservation (DEC); the Department of Public Service, and the 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 new 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 convene a group of stakeholders representing a broad array of energy and environmental interests to advise it on how best to utilize said funds to achieve the goals of the program. The New York RGGI Operating Plan is reviewed and revised on an annual basis, and a stakeholder meeting is arranged each year to provide input.

The 2013 review resulted in an Operating Plan Amendment that was approved by NYSERDA's Board in June 2013. This document represents the proposed 2014 Operating Plan Amendment, and it provides program descriptions and funding levels for the 2014 version of the plan. It is anticipated that a final draft of this 2013 Amendment will be considered by the Board at its June 24, 2014 meeting. The approved changes will be incorporated into the full 2014 Operating Plan document. The full 2013 Operating Plan can be accessed at the following location:

<http://www.nyserdera.ny.gov/-/media/Files/EE/RGGI/2013-RGGI-operating-plan.pdf>

Funding Assumptions for Operating Plan

This section provides an explanation of the funding assumptions used to prepare the 2014 Amendment. A regional RGGI program review was recently completed and the participating states have incorporated program changes, including a more stringent carbon cap, into their regulations. The marketplace currently possesses a large bank of allowances. While the manner in which the market chooses to utilize these banked allowances is uncertain, it is clear that the usage pattern will have a significant impact on allowance prices in the near- and longer-term.

Since we do not want to speculate about how the marketplace will behave during this time of program transition, a moderate approach is used to develop funding assumptions for this Operating Plan. This approach seeks to avoid overestimating the level of funds available, and to avoid possible constriction in program activity should actual proceeds become insufficient to support Operating Plan programs.

For planning purposes, it is assumed that the average 2014 allowance price will be \$3.22/allowance. This figure represents the average price during the previous four regional auctions. For planning purposes, values beyond 2014 are escalated by the real after tax weighted cost of capital (5.7%/year) used by ICF during the recent RGGI Program Review. The planning horizon for this year's Operating Plan has been reduced to two years because it not possible to reliably estimate proceeds levels three years into the future during this time of market transition.

Table 1 applies these allowance price assumptions to the net number of New York allowances that are to be made available for sale in each respective auction during the planning horizon. This approach results in estimated proceeds of \$89.4 million for FY 14/15 and \$80.8 million for FY 15/16.

Table 1 Estimated Proceeds for Planning Horizon

	Fiscal Year 2014/2015					Fiscal Year 2015/2016				
	Jun-14	Sep-14	Dec-14	Mar-15	Total	Jun-15	Sep-15	Dec-15	Mar-16	Total
Net NY Allowances Available for Sale (millions)*	7.17	7.17	7.17	5.91	27.43	5.91	5.91	5.91	5.69	23.41
Allowance Price for Budget Purposes	\$3.22	\$3.22	\$3.22	\$3.40	--	\$3.40	\$3.40	\$3.40	\$3.60	--
Proceeds Estimate for Budget Purposes (\$ millions)	\$23.10	\$23.10	\$23.10	\$ 20.10	\$89.40	\$20.10	\$20.10	\$20.10	\$ 20.48	\$80.78

* Values provided by New York State Department of Environmental Conservation.

Table 1 reflects these estimated proceeds, and it also translates these values into estimates of funding available for implementing programs each year by making adjustments for estimated program administration and evaluation costs, ongoing RGGI, Inc. costs, State Cost Recovery Fee, and other factors. After netting out administration and evaluation expenses and fees this translates to \$70.0 million in FY 14/15 and \$64.1 million in FY 15/16 available for program implementation.

Table 1: Current Actual and Estimated Future Funding

	Actual Cum. Allocation Mar-14	Planned FY 14/15	Planned FY 15/16	Total Through FY 15/16
Proceeds				
RGGI Auction Proceeds	\$ 619,845,745	\$ 89,395,918	\$ 80,784,861	790,026,524
Interest Earnings	\$ 4,400,174	\$ -	\$ -	4,400,174
Transfer to Green Jobs-Green NY	\$ (112,000,000)	\$ -	\$ -	(112,000,000)
Transfer to NY Green Bank	\$ (52,926,434)	\$ -	\$ -	(52,926,434)
Transfer to NYS Generation Attribute Tracking System	\$ -	\$ -	\$ (418,234)	(418,234)
Budget Transfer	\$ (90,000,000)	\$ -	\$ -	(90,000,000)
Net Proceeds	\$ 369,319,485	\$ 89,395,918	\$ 80,366,627	539,082,030
Administration and Evaluation Expenses and Fees				
Admin (7% through March 2011, 8% thereafter)	\$ 28,232,823	\$ 7,151,673	\$ 6,429,330	41,813,826
Evaluation (5%)	\$ 14,333,010	\$ 4,469,796	\$ 4,018,332	22,821,138
Litigation settlement	\$ 14,968,991	\$ 2,711,816	\$ 1,162,509	18,843,316
RGGI Inc Startup Costs	\$ 1,598,204	\$ -	\$ -	1,598,204
RGGI Inc pro-rata costs	\$ 5,070,841	\$ 996,102	\$ 1,021,005	7,087,948
State Cost Recovery	\$ 6,900,419	\$ 4,020,866	\$ 3,633,556	14,554,840
Subtotal Admin & Eval. Expense	\$ 71,104,287	\$ 19,350,253	\$ 16,264,732	106,719,272
Funds Available for Programs	\$ 298,215,197	\$ 70,045,665	\$ 64,101,895	432,362,758

Notes: Fiscal years begin on April 1st and end on March 31st.

* On December 4, 2009, New York State enacted numerous deficit reduction measures that included the transfer of \$90 million in RGGI auction proceeds to the General Fund. These actions were taken to improve New York's long-term fiscal health.

** Administration is based upon program administration budget rate approved by the Public Service Commission for public benefit energy efficiency and technology and market development programs funded through the System Benefits Charge.

*** The litigation settlement values represent \$13,001,595 paid through April 1, 2014 and estimated obligations through FY 15/16.

Overview of Programs and Budgets for 2014 Operating Plan

New York State invests RGGI proceeds to support comprehensive strategies that best advance the State's CO₂ emission reduction goals through investments in energy efficiency, renewable energy, and carbon abatement technologies. 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 transition to cleaner energy
- Stimulating entrepreneurship and growth of clean energy companies in New York
- Creating innovative financing to increase adoption of clean energy in the State

Most of the initiatives described below represent a continuation of a program activity in the 2013 Operating Plan or an evolution of a current program that is designed to take advantage of important new opportunities. In addition, four new programs are outlined.

Annual planned funding allocations for FY 14/15 and FY 15/16 are shown in Table 3. The historic allocation of proceeds collected through March 2014 for all programs is also provided in the table as a reference. These future allocation values represent 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.

Programs not described below nor receiving allocations in FY 2014/15 through FY 2015/16 (including programs such as Green Jobs/Green New York which have been funded from previous revenues) will continue on their planned budget trajectory for use of their previously allocated funding as outlined in the 2013 RGGI Operating Plan.

PROGRAM AREAS AND DESCRIPTIONS

Clean/Renewable Energy

The following activities will be supported within the renewable energy arena:

Renewable Heat NY (new initiative)

The program was announced by Governor Cuomo in his 2014 State of the State address as "a long-term commitment to help the high-efficiency and low-emission biomass heating industry reach scale." The Governor identified specific near-term actions to be taken as part of the initiative, including:

- Raise consumer awareness;
- Develop larger-scale anchor customers to allow for bulk biomass delivery;
- Lay the foundation for workforce training and support for product development, manufacturing, laboratory and field testing, and equipment certification;
- Leverage NYSERDA's issuance of the Biomass Heating Roadmap to accelerate the use of biomass for heating using the most efficient, low-emission technologies; and
- Identify high profile demonstration projects in State and municipal building that are ideally suited for biomass conversion (*e.g.*, Ray Brook facility).

Renewable Heat NY is also intended to challenge communities to develop clustered approaches for sustainable biomass heating markets through Cleaner Greener Communities, a competitive grant program, and develop long-term, reasonably-priced private sector financing, potentially utilizing support from the NY Green Bank.

To implement the initiative, a multi-pronged ten-year market development strategy is envisioned to stimulate growth that will position the market to take off and be sustainable over the long term. The initial years will focus on providing supply chain and service network development (*i.e.*, workforce development, training, and research and development), along with consumer incentives and financing. A reassessment of market is anticipated in the third year of the initiative as the State looks to declining incentives leading to a self-sustaining market as supply chain support and market scale drive down hardware and installation costs.

NYS Generation Attribute Tracking System (new initiative)

NYSERDA is establishing a generation attribute tracking system (NYGATS) that records electricity generation attribute information within the state, and processes generation attribute information from energy imported and consumed within the state, as a basis for creating tradable generation attribute certificates.

Through the development of NYGATS, entities will be able to verify and substantiate ownership of Renewable Energy Certificates (RECs) to either support regulatory compliance or to validate environmental attributes in trading markets. It will also characterize the attributes of electricity imports and exports, and have the capability to interface and exchange information with other certificate tracking systems. The system may also serve as an important building block for a potential future imports policy under the Regional Greenhouse Gas Initiative. As previously ordered by the Public Service Commission, this project will also be supported with System Benefit Charge environmental disclosure program funding.

NY-Sun (new initiative)

The NY-Sun initiative, a dynamic public-private partnership, will drive growth of the solar industry and make solar technology more affordable for all New Yorkers. The program provides incentives for the installation of systems and also works to achieve technology advancements and system cost reduction to reduce PV balance-of-system costs. The NY-Sun initiative brings together and expands programs administered by NYSERDA, the Long Island Power Authority, and NYPA, to ensure a coordinated, well-funded statewide solar energy expansion plan, in an effort to drive growth in the PV industry and increase the affordability of PV technology. RGGI funds will be used to support multiple components of the NY-Sun program:

- Community Solar NY will empower community projects across NY State that will leverage aggregation, group purchasing, and other existing and emerging strategies to make solar more accessible and affordable. The comprehensive package offered by Community Solar NY will support projects organized by districts, municipalities, nonprofit organizations, and other community institutions. In particular, the K-Solar initiative will, in coordination with NYPA, offer targeted resources to help schools implement solar and that act as hubs for community projects.
- RGGI funds will be used to make PV incentives available to non-RPS paying NYPA and PSE&G Long Island customers, allowing them to participate fully in NY Sun.

Energy Efficiency

These programs will invest in a complementary mix of electricity related GHG reduction opportunities and technologies and strategies for reductions related to the use of petroleum and natural gas.

Residential Efficiency Services

Activities for the Residential Efficiency Services Program will be consistent with that described in the 2013 Operating Plan for the Multifamily Performance Program (MPP), Home Performance with ENERGY STAR (HPwES), and EmPower New York (EmPower). RGGI funds will be used primarily to mitigate the high cost of heating oil and include higher incentives for low and moderate income households. Households that heat with other fuels (such as propane and wood) will also be eligible to receive services through these programs. These fuels are not eligible under programs supported by other funding sources (*e.g.*, EEPS funding). Households and buildings receiving incentives through the MPP and HPwES may be able to fund the balance of eligible work using financing offered through Green Jobs – Green New York.

LIPA Energy Efficiency (and Renewable Energy)

These funds enhance the ability of the Long Island Power Authority (LIPA) to provide energy efficiency and renewable energy services to LIPA customers in accordance with the approved LIPA budget. As the LIPA Solar Pioneer and Solar Entrepreneur PV incentive programs transition to a statewide PV program through NY-Sun in 2014, these RGGI funds will be used primarily for energy efficiency programs administered by PSEG Long Island that are consistent with PSEG-Long Island's clean energy programs and Reforming Energy Vision plan. Funding and reporting requirements are established through a Memorandum of Understanding between NYSERDA, LIPA and PSEG Long Island.

Innovative Greenhouse Gas Abatement Strategies

The following investments are planned to advance a variety of innovative greenhouse gas abatement strategies.

Industrial Innovations

This program will support development and adoption of new technologies that reduce carbon intensity of industrial manufacturing processes utilized in New York. In particular, the advanced manufacturing sector will be targeted.

Advanced manufacturing methods are critical to the market for clean energy products. New York has many clusters specializing in emerging technologies including 3D printing, automation and new materials that are relevant for manufacturing clean energy products. These programs will support development and application of advanced methods to displace or reduce source/site/subsequent fossil fuel energy usage to achieve CO₂ reductions and to expand New York's participation in clean energy markets by improving manufacturing productivity.

Climate Research

Since its inception, the Climate Research and Analysis program has significantly increased the understanding and awareness of the environmental impacts of energy choices and emerging energy options. It will continue to provide a scientific foundation for formulating effective, equitable, energy-related environmental policies and resource management practices that can both reduce GHG emissions and guide strategies to prepare for a changing climate. The program will build upon the environmental research capabilities in New York State, and address critical climate

change-related issues facing the State and the region, including the needs of environmental justice communities, and create opportunities for innovation. This program will support research studies, demonstrations, policy research and analyses, and outreach and education efforts related to the following questions:

- What are the most cost-effective greenhouse gas mitigation strategies for New York to pursue?
- What are the current and predicted impacts of climate change to energy, transportation, telecommunications, water resources, coastal zones, ecosystems, agriculture, public health and the built environment in New York State, and how can risks associated with climate change be cost-effectively managed and minimized? Additionally, what opportunities exist to take advantage of opportunities related to a changing climate?
- What are the key parameters that need to be monitored to establish baselines and assess climate change impacts in New York?

Clean Energy Business Development

The Clean Energy Business Development program is focused on the development of a long-lasting entrepreneurial infrastructure across New York State. Over the past year, the primary focus has been on the implementation of the Proof-of-Concept Center initiative. This is a multi-year program in partnership with the major academic research institutions in the state. The broad objective of the initiative is to catalyze the transition of academic research into high quality start-up businesses. By working with researchers to establish entrepreneurial teams and the customer validation of the clean energy technologies, these start-ups businesses will have a firm foundation for success. RGGI funding will be applied to new programs that continue to support the success and growth of companies coming out of the Proof-of-Concept Centers. One approach will be a public/private partnership to mentor clean energy technology start-ups and provide the early financial investment in the business.

Charge NY (new initiative)

With RGGI funding for Charge NY, NYSERDA will pursue two main strategies to promote plug-in electric vehicle (PEV) adoption. First, NYSERDA will invest in a marketing and outreach campaign to build interest in PEVs among the general public. This is a key aspect of encouraging PEV deployment that has been lacking and one that is essential to spur more private investment in PEV purchases and PEV charging station. Second, NYSERDA will also support the installation of PEV charging stations at workplaces, municipal lots, and multi-family buildings, location types that have been seen to be effective drivers for PEV adoption based on usage data reported from previous installations. Regions of the state that have seen faster PEV adoption will be identified for additional charging station support, which will make sure that investments in infrastructure support areas with the greatest potential for additional PEV drivers. RGGI funds will also be used to initiate the deployment of a network of DC fast charge stations across the state.

Transportation Research

Combustion is the primary source of green house gas (GHG) and petroleum use in the transportation sector is responsible for nearly 40% of those GHG emissions. The goal of the Transportation Program is to develop and increase the availability of improved technologies, products, systems and services that provide cost-effective GHG reductions. The program will support the development and demonstration of emerging technologies as well as projects that improve the efficiency of our transportation systems through planning, policy or systems optimization that may require little hardware development but are competitively cost effective in achieving the same GHG reduction goals.

The RGGI funds will leverage and fill gaps in other state and federal funding available to NYSERDA including Department of Transportation Congestion Mitigation and Air Quality Program (CMAQ), Department of Energy (DOE), New York State Department of Transportation (NYSDOT), and System Benefit Charge (SBC) Technology & Market Development funds. RGGI funds will augment competitive Transportation Research program solicitations and be used to support projects in such areas as public transportation (bus, commuter rail, and subway), marine, aviation and advanced vehicle technologies that are generally not eligible for funding from these other sources.

Community Clean Energy

These activities provide enhanced support for the development and implementation of regional sustainability plans to help ensure that the State's ongoing and substantial investments in infrastructure help to move communities and New York as a whole toward a more environmentally sustainable future.

Climate Smart Communities

New York's Department of Environmental Conservation (DEC), Department of State (DOS), Department of Transportation (DOT), Public Service Commission (PSC), Department of Health (DOH), and NYSERDA jointly sponsor the Climate Smart Communities (CSC) program. A CSC is a New York State county, city, village or town whose legislative body has adopted the CSC pledge, which describes ten areas of voluntary climate mitigation and adaptation action. Through this interagency effort, NYSERDA has been running a three-year pilot program in support of the Climate Smart Communities (CSC) initiative. This pilot provides to local governments outreach, education, and technical assistance services with respect to climate change mitigation and adaptation in four regions of the state. The pilot will be ending in early 2015. In late 2014, NYSERDA will issue a new solicitation to secure services for full statewide support program, incorporating lessons learned throughout the pilot period.

The statewide CSC program will support the Cleaner, Greener Communities (CGC) program (described below) by providing resource-strapped local governments a common platform (CSC) and the coaching, facilitation, technical assistance and expertise for implementing the local-level policies and planning needed to drive future market activities and development towards carbon abatement and sustainable growth. These local-level actions then roll-up and help to deliver the regional sustainable growth strategies encouraged by Cleaner Greener Communities, consistent with the regional sustainability and economic development plans.

Additionally, DEC is planning to launch a formal certification program for CSC in 2014. This effort will give the program a more defined structure, thus streamlining the services of NYSERDA's CSC contractors and making the program more transparent and useful to communities.

Cleaner, Greener Communities

The Cleaner, Greener Communities (CGC) Program was announced by Governor Cuomo in his 2011 State of the State address as a competitive grant program to encourage communities to develop and implement regional sustainable growth strategies. Phase I of CGC provided funding to the 10 Regional Economic Development Council (REDC) regions in New York State (NYS) for the development of Regional Sustainability Plans. Phase II of CGC offers grant funding for projects that support the goals of each region's respective sustainability planning effort.

The CGC Program builds on the Climate Smart Communities (CSC) Program by providing support for regional-level strategies that complement and inform the community-level efforts being undertaken through CSC. CGC also provides enhanced financial support for specific projects that may result from CSC's planning, outreach, and technical assistance efforts as well as those that are in alignment with regional efforts. The primary goal of the program is to

encourage communities to create public-private partnerships and develop regional sustainable growth strategies in such areas as emissions control, energy efficiency, renewable energy, low-carbon transportation, and other carbon reductions.

Through Phase II of CGC, NYSERDA will continue to offer competitive grants for the implementation of market-transforming sustainability initiatives and projects that are innovative, create multiple community benefits, reduce carbon emissions, and leverage public and private resources that will propel New York State toward an economically vibrant and resilient future. Projects will stimulate environmentally sustainable economic growth consistent with the CGC Phase I Regional Sustainability Plans and REDC Strategic Plans. By integrating sustainability principles into all aspects of project execution, these innovative and exemplary initiatives and projects will be holistic in nature, exhibit positive large-scale impacts, and contribute to an improved quality of life in New York. Projects and initiatives selected under Phase II of CGC will not only save energy and reduce carbon emissions; they will also make NYS a better place to live, work, and do business. High level program efforts include streamlined permitting related to clean energy, technical assistance to incorporate sustainability into community-level and capital project plans, showcase construction projects within a sustainable neighborhood development effort, and initiatives, projects or programs that increase community-wide demand and build private sector capacity for delivering community-wide clean energy projects and services.

Economic Development Growth Extension (EDGE)

The Economic Development Growth Extension (EDGE) Program provides regionally-based outreach, education, and promotion of NYSERDA program opportunities to stimulate interest and spur action in projects that promote sustainable economic development. As an outreach provider for the Cleaner Greener Communities Program, EDGE works with partner networks and end users to encourage activities which support energy efficiency, renewable energy, carbon reduction and environmental stewardship.

The program includes support for Governor Andrew M. Cuomo's Regional Economic Development Council (REDC) initiative by aligning the program territories geographically and providing direct support to advance the strategic priorities and regionally significant projects identified in each region. Through the alignment with the Regional Councils, EDGE Regional Outreach Contactors work to further the efforts identified in each of the ten REDC *Strategic Plans* and *Cleaner Greener Communities Sustainability Plans*, enabling NYSERDA to provide a greater level of education and adoption of energy-efficiency and renewable energy practices to projects that have the potential to drive jobs and investment in the communities they reside.

Program Expansion Plan

As noted above, this Operating Plan is based on a conservative estimate of allowance proceeds that could be made available for program support. Allowance auction proceeds over the next year may exceed the estimates being used to develop this proposal for the updated Operating Plan. Absent unforeseen circumstances, if additional revenue should become available, proceeds could be used to expand funding for the existing portfolio of RGGI programs including the NY Green Bank (see program description below) as well as for climate resiliency and sustainability initiatives, to the extent consistent with Part 242.

NY Green Bank

NY Green Bank, a division of NYSERDA, is a state-sponsored investment fund dedicated to overcoming current obstacles in clean energy financing markets and increasing overall capital availability through various forms of

financial support such as credit enhancement, project aggregation, and securitization. NY Green Bank is a multi-year initiative with multiple funding sources, including \$52.9 million of RGGI funds already allocated through March 2014.

Initiated by Governor Cuomo in his 2013 State of the State address, NY Green Bank carries a broad mandate to enable greater private investment in New York State’s growing clean energy economy by opening up primary and secondary financing markets and expanding availability of capital. The overarching goal is to use government resources to facilitate access to financing where capital is currently constrained for renewable energy and energy efficiency projects.

On February 5, 2014 NY Green Bank was officially declared “open for business” in parallel with its issue of a public solicitation outlining the type of potential clients, partners and transactions that are within NY Green Bank’s investment mandate.

Table 3: Current Actual and Anticipated Future Funding Allocations

Category	Program	Actual Cum. Allocation Mar-14	Planned FY 14/15	Planned FY 15/16	Total Through FY 15/16
RENEWABLE ENERGY	Biothermal	\$1,708,014	\$2,253,082	\$8,955,830	\$12,916,926
	NY SUN	\$7,613,959	\$21,886,041	\$26,302,801	\$55,802,801
	Community Solar/K-solar	\$7,613,959	\$1,886,041	\$0	\$9,500,000
	NYPA Customer Incentives	\$0	\$10,000,000	\$10,000,000	\$20,000,000
	Long Island incentives	\$0	\$10,000,000	\$16,302,801	\$26,302,801
	NYSERDA PV	\$5,336,221			\$5,336,221
	Advanced Renewable Energy	\$2,893,674			\$2,893,674
ENERGY EFFICIENCY	LIPA Efficiency and RE	\$55,200,000	\$14,600,000	\$0	\$69,800,000
	Residential Energy Services	\$46,016,761	\$8,672,380	\$8,672,380	\$63,361,521
	Multifamily Performance Program	\$14,295,856	Part of RES ↑	Part of RES ↑	
	EmPower NY	\$8,833,444	Part of RES ↑	Part of RES ↑	
	Home Performance with Energy Star	\$11,330,090	Part of RES ↑	Part of RES ↑	
	Multifamily Carbon Emissions Reduction	\$7,000,000			\$7,000,000
	Solar Thermal	\$963,779			\$963,779
	Green Residential Bldg.	\$2,759,141			\$2,759,141
	Energy Star Homes	\$834,451			\$834,451
	Municipal Water/Wastewater	\$1,652,618			\$1,652,618
INNOVATIVE GHG ABATEMENT STRATEGIES	Industrial Innovations	\$11,771,117	\$5,000,000	\$5,000,000	\$21,771,117
	Climate Research	\$8,826,322	\$1,598,551	\$1,598,552	\$12,023,425
	Clean Energy Business Development	\$19,540,341	\$2,638,988	\$2,638,988	\$24,818,317
	Charge NY	\$0	\$4,000,000	\$3,000,000	\$7,000,000
	Transportation Research	\$2,750,000	\$1,500,000	\$1,500,000	\$5,750,000
	Carbon Sequestration	\$1,000,000			\$1,000,000
	Competitive GHG Reduction Pilot	\$14,500,000			\$14,500,000
	Advanced Buildings	\$4,638,574			\$4,638,574
COMMUNITY CLEAN ENERGY	Climate Smart Communities	\$4,394,999	\$1,640,000	\$1,640,000	\$7,674,999
	Economic Development Growth Extension	\$5,215,517	\$1,800,000	\$1,800,000	\$8,815,517
	Cleaner Greener Communities	\$94,757,081	\$4,456,624	\$2,993,344	\$102,207,048
	Incentives	\$79,472,679	\$2,208,419	\$2,993,344	\$84,674,441
	Implementation Contractor and Marketing	\$5,684,402	\$2,248,205	\$0	\$7,932,607
	Planning	\$9,600,000			\$9,600,000
	Regional Economic Development and GHG Reduction	\$10,400,000			\$10,400,000
	Program Spending	\$298,215,198	\$70,045,665	\$64,101,895	\$432,362,758

Totals may not sum exactly due to rounding.

Program areas in blue text are planned to receive future funding allocations under the 2014 RGGI Operating Plan. Activities in black text are planned to proceed until currently allocated funds are used. NYSERDA provides progress reports utilizing best practice protocols for project tracking and evaluation:

<http://www.nysERDA.ny.gov/Energy-and-the-Environment/Regional-Greenhouse-Gas-Initiative/Evaluations-of-Funds.aspx>