

New York's Regional Greenhouse Gas Initiative Operating Plan Amendment for 2019

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, expand private investments and partnerships and address barriers to program success.

The Draft 2018 Operating Plan Amendment was presented to stakeholders for comment in December 2017 and was approved by NYSERDA's Board in January 2018. The 2018 Operating Plan was then compiled based on the NYSERDA Board approval and posted to NYSERDA's website. Subsequently, adjustments were made to certain program funding allocations originally approved in the January 2018 Plan. Appendix 1 provides an analysis of the revenues and program funding allocations planned for the fiscal years ending March 31, 2018 and 2019 as compared to actual/projected results.

This document represents the proposed 2019 Operating Plan Amendment and provides program descriptions and funding levels for the April 2019-March 2022 timeframe. It is anticipated that a final draft of the 2019 Amendment will be considered by the NYSERDA Board at its January 2019 meeting.

Review of Programs and Budgets for the 2019 Operating Plan

New York State invests RGGI proceeds to support comprehensive strategies that best achieve the RGGI greenhouse gas emission reduction goals, through energy efficiency, renewable energy, and carbon abatement strategies, pursuant to 21 NYCRR Part 507. The programs described below represent a portfolio of initiatives that 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 a continuation of a program activity in the 2018 Operating Plan or an evolution of current programs that are designed to take advantage of important new opportunities. The funding level for each program previously approved and the amounts planned for FY19-20 through FY21-22 are reflected in Table 1 below.

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. The table also reflects cumulative funding allocations for FY18-19, and the forecasted allocations for FY19-20 through FY21-22.

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 on their planned expenditure of their previously allocated funding as outlined in the 2018 RGGI Operating Plan. For more information on the status of these programs see Table 3.

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

Program Descriptions

Energy Storage

New York established a statewide 1.5 gigawatt advanced storage target by 2025. In support of the Public Service Commission's December 13 Order launching an energy storage program for the State's investor owned utilities, this RGGI-funded initiative will provide energy storage program activity that is not covered by the Commission initiative, and where significant market opportunity for energy storage exists. These investments will seek the same opportunities as noted in the Commission Order, providing customer load relief and resiliency, time shifting intermittent renewable energy to peak demand periods, and integrating renewable resources into the grid. In expectation of a filing by the New York Green Bank to the Commission regarding future New York Green Bank capitalization, this Operating Plan proposes \$52.9 million in funding for energy storage projects by repurposing RGGI funds previously used as part of the initial NY Green Bank capitalization. NYSERDA anticipates filing a Petition with the Commission in 2019, seeking approval to reduce the total funding authorization for NY Green Bank capitalization by \$150 million; \$52.9 million of this reduction will be represented by those RGGI funds. If approved, such funds will be transferred from NY Green Bank's funded capitalization to NYSERDA, to provide funding to support the statewide energy storage initiative, accelerating deployment of an estimated 75 megawatts of energy storage, and helping to achieve greater cost declines for market growth across the State.

ChargeNY

ChargeNY will pursue three main strategies to promote plug-in electric vehicle (PEV) adoption by consumers across New York. First, NYSERDA implemented a rebate program for PEVs in March 2017, accelerating purchases of PEVs by reducing higher upfront costs. Second, NYSERDA will continue to invest in marketing and awareness-building activities to build interest in PEVs among the general 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, such as 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, 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 ensure that investments in infrastructure support areas with the greatest potential for additional PEV drivers. ChargeNY will also initiate the deployment of a network of direct current (DC) fast charge stations across the State.

Clean Energy Fund

Reforming the Energy Vision (REV) is the State's comprehensive energy strategy aimed at building a next generation energy system that is clean, more resilient, and affordable for all New Yorkers. As approved by the NYS PSC, the Clean Energy Fund (CEF) serves as one of the essential pillars of REV. To deliver on its primary goals to reduce greenhouse gas emissions, increase renewable energy generation, increase energy efficiency, and attract greater private investment in clean energy, the CEF investment portfolios are designed to achieve scale in clean energy markets. These key CEF objectives dovetail with the RGGI investment parameters, creating a unique opportunity to leverage CEF and RGGI funds to help achieve overall REV objectives. In designing the CEF, NYSERDA originally planned to dedicate \$250 million in RGGI funds to the CEF portfolio over 10 years, supporting the \$3.42 billion Market Development and Innovation and Research activities.

In the 2018 Operating Plan, reductions in RGGI revenues, and an effort to present a three-year balanced budget Operating Plan on a commitment basis, resulted in a proposal to reduce the RGGI funds transfer to the CEF over the 3-year period from \$75 million to \$6.7 million, resulting in a reduction of \$68.3 million (about 2%) in the \$3.42 billion in funding for CEF Market Development and Innovation and Research. This Operating Plan proposes to both realize annual balanced budgets, as well as return \$29.8 million of funds previously transferred to the CEF in FY19-20. Based on projected available revenues, NYSERDA will further transfer to the CEF \$10.35 million in FY20-21 and \$65.54 million in FY 21-22, bringing the aggregate amount transferred to the CEF in line with the original schedule to dedicate \$25 million annually. Should revenues continue according to current projections, continued contributions to the CEF in future years (through 2025) will be maintained at \$25 million per year.

EmPower

Similar to HPwES, funds to support EmPower New York, which provides energy efficiency services for low-income New Yorkers, are targeted to customers of municipal utilities heating with oil, propane, kerosene, wood or coal, but may also be applied to homes heating with natural gas, and which are also targeted to customers of municipal utilities. Measures supported by EmPower include insulation, air sealing, and heating system upgrades. The amounts proposed for FY19-20 through FY21-22 are based on current annual incentives offered for municipal utility customers.

Home Performance with Energy Star

To maintain statewide access to fuel neutral, whole buildings energy efficiency opportunities, these funds will maintain support for customers of municipal utilities (which cannot be funded through the CEF) to access Home Performance with ENERGY STAR® (HPwES) as a comprehensive energy efficiency services program for existing one- to-four family homes. RGGI funding will allow HPwES to target customers using oil and propane for space and domestic water heating purposes. The funds will offset part of the cost for consumers to replace inefficient oil and propane heating equipment and other measures that have a direct impact on reducing oil and propane consumption

(e.g., insulation, air sealing). The amounts proposed for FY19-20 through FY21-22 are based on current annual incentives offered for municipal utility customers.

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, of which \$26 million was allocated to a residential revolving loan fund to provide low interest financing for residential energy efficiency improvements, residential solar photovoltaic (PV) systems (effective April 2014), solar thermal systems, and high efficiency pellet stove heating systems (through the Renewable Heat NY program). Interest rate changes reviewed with the GJGNY Advisory Council and effectuated in September 2016 are resulting in a reduced level of RGGI funds required to support the financing and refinancing of GJGNY loans and ensuring that RGGI funds are directed towards providing GJGNY loans to lower-to-moderate income consumers and consumers who may lack access to traditional financing sources. NYSERDA proposes to transfer approximately \$15.9 million each year from FY 19-FY 22 to the revolving loan fund based on current annual loan origination levels and the amount that is expected to not be replenished from bond proceeds.

Electric Generation Facility Cessation Mitigation Program

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. The Program is administered by the New York Empire State Development Corporation (“ESDC”) and received an initial funding level of \$30 million provided by NYSERDA as directed in the FY16-17 State Budget. Pursuant to the FY17-18 State Budget, up to \$15 million in additional funding will be made available to the program beginning in FY20-21.

The Program is designed to provide grants to eligible municipal corporations and school districts that realize at least a 20 percent reduction in property tax collections or receipts from payments in lieu of taxes (“PILOTs”) caused by the cessation of, or a judicial determination concerning the tax liability and/or PILOTs owed by, a fossil fuel electric generation facility. This Program will mitigate the financial impact to municipal corporations but are not intended to fully restore lost tax revenues, with approved grants possible for up to seven years with no more than 80 percent of any documented loss awarded in the first year. The Program commenced with the enactment of its authorizing legislation on June 25, 2015, and will end on July 1, 2025, or such earlier date as funding is expended. ESDC will accept and review program applications continuously through the program, and applications will be considered on a first come, first served basis.

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 Long Island Power Authority (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 on the RGGI regulations that funds are used to support energy efficiency and clean energy

activities. NYSERDA has provided a two-year funding support to LIPA for \$ \$25 million in 2019 and 2020 for LIPA’s clean energy activities.

Transfer to State – Clean Energy Tax Credits

The New York State Budget for fiscal year 2018-19 directed NYSERDA to transfer \$23 million in RGGI funds to the State General Fund to support clean energy tax credits. For the purpose of developing this proposed Operating Plan Amendment, NYSERDA assumes that the annual State Budget for FY19-20 through FY21-22 will include similar directives and has therefore allocated \$69 million in funding for such transfers for FY19-20 through FY21-22.

Anticipated Future Funding Allocations

The projected revenues and program funding allocations are presented below in Table 1. Additionally, the table presents program administration and evaluation costs, ongoing RGGI, Inc. costs, State Cost Recovery Fees, and other factors. As noted, program funding allocations are equal to projected revenues on an annual basis.

Table 1: Revenues and Program Funding Allocations

RGGI Revenue and Funding Allocation Plan

Category	Program	Cumulative FY17-18	FY18-19 Revised	FY19-20 Budget	FY20-21 Forecast	FY21-22 Forecast
Proceeds	Number of allowances	350,795,053	21,094,177	20,298,765	20,535,096	23,000,000
	Allowance price	\$3.12	\$4.80	\$5.35	\$5.35	\$5.35
	RGGI Auction Proceeds	1,093,487,105	101,248,464	108,598,393	109,862,764	123,050,000
	Interest Earnings	13,679,231	726,000	748,000	547,000	249,000
	Total Revenues	1,107,166,336	101,974,464	109,346,393	110,409,764	123,299,000
Renewable Energy	NY SUN NYPA Customer Incentives	20,000,000	-	-	-	-
	NY SUN Community Solar/K-solar	7,500,000	-	-	-	-
	NY SUN Long Island incentives	55,000,000	-	-	-	-
	Renewable Heat NY	10,300,083	-	-	-	-
	Advanced Renewable Energy	2,856,074	(18,376)	-	-	-
	NYS Generation Attributes Tracking System	789,933	-	-	-	-
	NYSERDA PV incentives	5,319,821	-	-	-	-
Energy Efficiency	Clean Energy Workforce Opportunity Program	15,000,000	-	-	-	-
	LIPA Efficiency and RE	153,650,000	25,950,000	25,000,000	25,000,000	-
	Energy Storage			52,926,434		
	EmPower NY	27,330,148	425,000	200,000	200,000	200,000
	Home Performance with Energy Star	25,145,757	75,000	300,000	300,000	300,000
	Multifamily Performance Program	16,591,791	(1,378,301)	-	-	-
	Multifamily Carbon Emissions Reduction	5,833,021	-	-	-	-
	Solar Thermal incentive	4,342,677	-	-	-	-
	Municipal Water/Wastewater	1,245,242	-	-	-	-
	Green Residential Buildings	2,744,601	-	-	-	-
Innovative GHG Abatement Strategies	Southern Tier Competition (76 West)	11,000,000				
	Brookhaven National Lab- ION Collider	25,000,000				
	Electric Vehicle/Charge NY	17,000,000	6,500,000	5,000,000	-	-
	Advanced Buildings	1,572,248	-	-	-	-
	Industrial Innovations	13,043,987	-	-	-	-
	Climate Research & Analysis	8,735,913	-	-	-	-
	Competitive GHG Reduction Pilot	1,013,533	-	-	-	-
	Clean Energy Business Development	8,257,924	(2,448,293)	-	-	-
	Transportation Research	3,932,086	(97,725)	-	-	-
	PV Manufacturing consortium	8,500,000	-	-	-	-
	Carbon Sequestration	1,000,000	-	-	-	-
Community Clean Energy	Cleaner Greener Communities	99,127,115	(514,838)	-	-	-
	Clean Energy Communities	2,800,000	(226,880)	-	-	-
	Climate Smart Communities	7,674,999	-	-	-	-
	Community Energy Engagement	1,400,000	-	-	-	-
	Economic Development Growth Extension	5,843,047	-	-	-	-
	Energy to Lead	3,000,000	-	-	-	-
	NYPrize Phase3 (Placeholder - Long Island Projects)	-	8,000,000	-	-	-
	Regional Economic Development & GHG Reduction	10,293,230	(3,285)	-	-	-
Clean Energy Fund	Transfer to/from Clean Energy Fund	56,250,000	-	(5,278,403)	26,036,766	79,241,638
	Transfer to NY Green Bank	52,926,434	-	(52,926,434)	-	-
Directed	Transfer to State - Env. Tax Credits	87,000,000	23,000,000	23,000,000	23,000,000	23,000,000
	Electric Generation Facility Cessation Mitigation Program	30,000,000	-	-	15,000,000	-
	Transfer to Green Jobs-Green NY- Original Legislation	112,000,000	-	-	-	-
	Transfer to Green Jobs-Green NY- Additional Funding	91,625,275	3,000,000	15,900,000	15,900,000	15,884,661
	Transfer to Clean Energy Standard	719,424	-	-	-	-
	NYS Budget Transfer	90,000,000	-	-	-	-
	NYS Temporary Budget Transfer	-	-	-	-	-
Administration and Other Non-Program Costs	Program Administration	28,814,566	2,184,357	3,250,000	3,250,000	3,250,000
	Program Evaluation	11,755,429	(2,600,000)	-	-	-
	Commensurate Benefit/Litigation reserve	21,900,366	-	-	-	-
	RGGI Inc Startup Costs	1,598,204	-	-	-	-
	RGGI Inc pro-rata costs	7,374,780	542,012	1,000,000	1,000,000	1,000,000
	State Cost Recovery	10,859,023	714,259	1,345,935	722,998	422,702
Total Funding Allocations		1,185,666,732	63,102,930	69,717,532	110,409,764	123,299,000
Surplus/(Shortfall) of Revenues over Funding Allocations		(78,500,396)	38,871,534	39,628,861	-	-
Cumulative Surplus(Shortfall)		(78,500,396)	(39,628,861)	-	-	-

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

Funding Assumptions

The Operating Plan for FY19-20 through FY21-22 assumes future auction revenues based on the results of the most recent RGGI auction (December 5, 2018).

The following Table 2 presents a cash flow analysis for previously approved funding allocations and those presented in the three-year plan, summarizing prior and projected revenues and expenditures, and resulting cash balances.

Table 2: RGGI Cash Flow

RGGI Cash Flow							FY22-23 and
Category	Cumulative	FY18-19	FY19-20	FY20-21	FY21-22	Thereafter	
	3/31/18	Budget	Budget	Forecast	Forecast	Forecast	
Proceeds	Number of allowances	350,795,483	21,094,177	20,298,765	20,535,096	23,000,000	-
	Allowance price	\$3.12	\$4.80	\$5.35	\$5.35	\$5.35	-
	RGGI Auction Proceeds	1,093,487,105	101,248,464	108,598,393	109,862,764	123,050,000	-
	Interest Earnings	13,679,231	726,000	748,000	547,000	249,000	-
Total Revenues	1,107,166,336	101,974,464	109,346,393	110,409,764	123,299,000	-	-
Renewable Energy	NY SUN NYPA Customer Incentives	2,284,497	720,659	3,446,706	5,814,205	5,408,419	2,325,514
	NY SUN Community Solar/K-solar	633,426	127,129	100,000	1,660,000	1,660,000	3,319,445
	NY SUN Long Island Incentives	48,982,444	1,718,610	5,000,000	4,298,946	-	-
	Renewable Heat NY	7,738,965	1,221,301	948,577	391,240	-	-
	Advanced Renewable Energy	2,837,698	-	-	-	-	-
	NYS Generation Attributes Tracking System	216,920	234,025	169,494	169,494	-	-
	NYSERDA PV Incentives	5,288,571	31,250	-	-	-	-
Energy Efficiency	Clean Energy Workforce Opportunity Program	15,000,000	-	-	-	-	-
	LIPA Efficiency and RE	145,000,000	34,600,000	25,000,000	25,000,000	-	-
	Energy Storage	-	-	52,926,434	-	-	-
	EmPower NY	27,176,528	848,095	330,525	-	-	-
	Home Performance with Energy Star	24,508,536	804,755	807,466	-	-	-
	Multifamily Performance Program	13,309,557	400,000	1,000,000	503,933	-	-
	Multifamily Carbon Emissions Reduction	5,833,019	2	-	-	-	-
	Solar Thermal Incentive	4,226,947	115,730	-	-	-	-
	Municipal Water/Wastewater	1,245,242	-	-	-	-	-
	Green Residential Buildings	2,744,601	-	-	-	-	-
Innovative GHG Abatement Strategies	Southern Tier Competition (76 West)	4,698,477	2,031,534	2,000,000	2,000,000	269,989	-
	Brookhaven National Lab- ION Collider	14,034,850	7,013,333	3,951,817	-	-	-
	Electric Vehicle/Charge NY	3,336,075	3,523,455	7,000,000	7,000,000	7,000,000	640,470
	Advanced Buildings	1,205,849	366,399	-	-	-	-
	Industrial Innovations	8,812,486	84,912	2,000,000	2,146,589	-	-
	Climate Research & Analysis	7,617,181	487,234	200,000	431,498	-	-
	Competitive GHG Reduction Pilot	760,150	212,500	40,883	-	-	-
	Clean Energy Business Development	5,510,338	196,199	103,094	-	-	-
	Transportation Research	3,277,311	319,660	237,390	-	-	-
	PV Manufacturing consortium	8,480,000	-	-	20,000	-	-
	Carbon Sequestration	1,000,000	-	-	-	-	-
	Community Clean Energy	Cleaner Greener Communities	48,506,078	9,655,123	20,225,538	13,483,692	4,494,564
Clean Energy Communities		59,350	249,271	1,198,852	799,235	186,488	79,924
Climate Smart Communities		4,547,937	394,636	462,754	337,754	812,850	1,119,068
Community Energy Engagement		-	170,553	491,779	491,779	245,889	-
Economic Development Growth Extension		5,557,223	285,824	-	-	-	-
Energy to Lead		781,504	58,559	1,000,000	1,159,937	-	-
NYPrize Phase3 (Placeholder - Long Island Projects)		-	-	1,000,000	1,000,000	1,800,000	5,200,000
Regional Economic Development & GHG Reduction		9,571,993	94,867	491,909	131,176	-	-
Clean Energy Fund	Transfer to Clean Energy Fund	56,250,000	-	(5,278,403)	26,036,766	79,241,638	-
	Transfer to NY Green Bank	52,926,434	-	(5,926,434)	-	-	-
Directed	Transfer to State - Env. Tax Credits	87,000,000	23,000,000	23,000,000	23,000,000	23,000,000	-
	Electric Generation Facility Cessation Mitigation Program	30,000,000	-	-	15,000,000	-	-
	Transfer to Green Jobs-Green NY- Original Legislation	112,000,000	-	-	-	-	-
	Transfer to Green Jobs-Green NY- Additional Funding	91,625,275	3,000,000	15,900,000	15,900,000	15,884,661	-
	Transfer to Clean Energy Standard	719,424	-	-	-	-	-
	NYS Budget Transfer	90,000,000	-	-	-	-	-
	NYS Temporary Budget Transfer	13,657,810	(2,298,899)	(5,679,456)	(3,786,304)	(1,262,101)	(631,050)
Administration and Other Non-Program Costs	Program Administration	27,748,923	3,250,000	3,250,000	3,250,000	3,250,000	-
	Program Evaluation	4,314,283	1,210,287	1,210,287	1,210,287	1,210,287	-
	Commensurate Benefit/Litigation reserve	21,900,366	-	-	-	-	-
	RGGI Inc Startup Costs	1,598,204	-	-	-	-	-
	RGGI Inc pro-rata costs	6,916,792	1,000,000	1,000,000	1,000,000	1,000,000	-
	State Cost Recovery	10,859,023	714,259	1,345,935	722,998	273,385	149,317
	Total Expenses	1,037,300,287	95,841,262	110,955,146	149,173,224	144,476,067	14,449,970
Cash Increase/(Decrease)	69,866,049	6,133,203	(1,608,753)	(38,763,461)	(21,177,067)	(14,449,970)	-
Cash Balance	69,866,049	75,999,252	74,390,498	35,627,038	14,449,970	0	0

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

Financial Status

A Financial Status Report as of June 30, 2018 is presented below in Table 3.

Table 3: RGGI Financial Status Report as of June 30, 2018

Category	Program	Budget	Expended	Encumbered	Contract		Due Date	Open Enrollment	Total Committed	Not Yet Committed
					Preencumbrance	Preencumbrance	Solicitation	Solicitation		
Renewable Energy	NY SUN NYPA Customer Incentives	20,000,000	2,284,497	5,917,650	-	-	-	-	8,202,147	11,797,853
	NY SUN Community Solar/K-solar	7,500,000	736,068	356,179	32,534	-	6,462,473	-	7,587,254	(87,254)
	NY SUN Long Island incentives	55,000,000	44,349,339	5,442,912	249,838	-	-	-	50,042,089	4,957,911
	Renewable Heat NY	10,300,083	7,988,674	1,489,774	202,625	-	69,550	-	9,750,623	549,460
	Advanced Renewable Energy	2,837,698	2,837,698	-	-	-	-	-	2,837,698	-
	NYS Generation Attributes Tracking System	789,933	247,242	542,691	-	-	-	-	789,933	-
	NYSERDA PV incentives	5,319,821	5,288,571	31,250	-	-	-	-	5,319,821	-
Energy Efficiency	Clean Energy Workforce Opportunity Program	15,000,000	15,000,000	-	-	-	-	-	15,000,000	-
	LIPA Efficiency and RE	179,600,000	153,650,000	-	-	-	-	-	153,650,000	25,950,000
	Electric Vehicle/Charge NY	23,500,000	4,191,799	319,701	-	-	737,861	-	5,249,361	18,250,639
	EmPower NY	27,755,148	27,403,673	46,314	146,999	19,826	-	-	27,616,812	138,336
	Home Performance with Energy Star	25,220,757	24,575,986	352,551	82,042	61,527	-	-	25,072,106	148,651
	Multifamily Performance Program	15,213,490	13,642,019	1,526,442	41,125	-	-	-	15,209,586	3,904
	Multifamily Carbon Emissions Reduction	5,833,021	5,833,019	2	-	-	-	-	5,833,021	-
	Solar Thermal incentive	4,342,677	4,226,947	13,076	-	-	-	-	4,240,023	102,654
	Municipal Water/Wastewater	1,245,242	1,245,242	-	-	-	-	-	1,245,242	-
	Green Residential Buildings	2,744,601	2,744,601	-	-	-	-	-	2,744,601	-
	Innovative GHG Abatement Strategies	Southern Tier Competition (76 West)	11,000,000	5,365,083	2,962,045	45,965	-	2,136,088	-	10,509,181
Brookhaven National Lab- ION Collider		25,000,000	16,733,777	8,266,223	-	-	-	-	25,000,000	-
Advanced Buildings		1,572,248	1,205,849	315,601	-	-	-	-	1,521,450	50,798
Industrial Innovations		13,043,987	8,897,398	4,197,189	-	-	-	-	13,094,587	(50,600)
Climate Research & Analysis		8,735,913	7,741,301	994,041	-	-	-	-	8,735,342	571
Competitive GHG Reduction Pilot		1,013,533	760,150	253,383	-	-	-	-	1,013,533	-
Clean Energy Business Development		5,809,632	5,545,038	264,594	-	-	-	-	5,809,632	-
Transportation Research		3,834,361	3,473,598	360,763	-	-	-	-	3,834,361	-
PV Manufacturing consortium		8,500,000	8,480,000	20,000	-	-	-	-	8,500,000	-
Carbon Sequestration	1,000,000	1,000,000	-	-	-	-	-	1,000,000	-	
Community Clean Energy	Cleaner Greener Communities	98,612,277	51,915,017	39,430,943	6,979,752	-	-	-	98,325,712	286,565
	Clean Energy Communities	2,573,120	110,883	575,000	950,000	-	1,164,819	-	2,800,702	(227,582)
	Climate Smart Communities	7,674,999	4,719,945	552,139	223,714	-	-	-	5,495,798	2,179,201
	Community Energy Engagement	1,400,000	-	534,331	-	578,571	-	-	1,112,902	287,098
	Economic Development Growth Extension	5,843,047	5,557,223	58,943	-	-	-	-	5,616,166	226,881
	Energy to Lead	3,000,000	790,303	2,209,697	495,297	-	-	-	3,495,297	(495,297)
	NYPrize Phase3 (Placeholder - Long Island Projects)	8,000,000	-	-	-	-	-	-	-	8,000,000
	Regional Economic Development & GHG Reduction	10,289,945	9,634,066	655,879	-	-	-	-	10,289,945	-
Clean Energy Fund	Transfer to/from Clean Energy Fund	56,250,000	56,250,000	-	-	-	-	-	56,250,000	-
	Transfer to NY Green Bank	52,926,434	52,926,434	-	-	-	-	-	52,926,434	-
Directed	Transfer to State - Env. Tax Credits	110,000,000	87,000,000	-	-	-	-	-	87,000,000	23,000,000
	Electric Generation Facility Cessation Mitigation Program	30,000,000	30,000,000	-	-	-	-	-	30,000,000	-
	Transfer to Green Jobs-Green NY- Original Legislation	112,000,000	112,000,000	-	-	-	-	-	112,000,000	-
	Transfer to Green Jobs-Green NY- Additional Funding	94,625,275	94,625,275	-	-	-	-	-	94,625,275	-
	Transfer to Clean Energy Standard	719,424	719,424	-	-	-	-	-	719,424	-
	NYS Budget Transfer	90,000,000	90,000,000	-	-	-	-	-	90,000,000	-
Administration and Other Non-Program Costs	Program Administration	30,998,923	28,366,479	35,513	-	-	-	-	28,401,992	2,596,931
	Program Evaluation	9,155,429	4,372,261	660,461	-	-	-	-	5,032,722	4,122,707
	Commensurate Benefit/Litigation reserve	21,900,366	21,900,366	-	-	-	-	-	21,900,366	-
	RGGI Inc Startup Costs	1,598,204	1,598,204	-	-	-	-	-	1,598,204	-
	RGGI Inc pro-rata costs	7,916,792	6,916,792	214,787	1,022,803	-	-	-	8,154,382	(237,590)
	State Cost Recovery	11,906,362	11,099,449	-	-	-	-	-	11,099,449	806,913
Totals		1,249,102,742	1,045,949,690	78,600,074	10,472,694	659,924	10,570,791	1,146,253,173	102,849,569	

Notes: *Totals may not sum exactly due to rounding. 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 as a deficit reduction measure following the global financial crisis.

Appendix 1
January 2018 Operating Plan Revenues and Program Funding Allocations Compared to Actuals/Projections

Category	Program	FY17-18 Plan	FY17-18 Actual	FY18-19 Budget	FY18-19 Revised
Proceeds	Number of allowances	21,909,983	21,909,986	21,094,177	21,094,177
	Allowance price	\$7.00	\$3.62	\$5.05	\$4.38
	RGGI Auction Proceeds	153,369,881	79,223,971	106,586,042	92,368,483
	Interest Earnings	254,610	719,051	191,000	536,000
	Total Revenues	153,624,491	79,943,022	106,777,042	92,904,483
Renewable Energy	NY SUN NYPA Customer Incentives	-	-	-	-
	NY SUN Community Solar/K-solar	-	(2,000,000)	-	-
	NY SUN Long Island incentives	500,001	(4,499,999)	-	-
	Renewable Heat NY	-	-	-	-
	Advanced Renewable Energy	-	-	-	(18,376)
	NYS Generation Attributes Tracking System	-	-	-	-
	NYSERDA PV incentives	-	-	-	-
Energy Efficiency	Clean Energy Workforce Opportunity Program	-	-	-	-
	LIPA Efficiency and RE	30,600,000	30,600,000	25,950,000	25,950,000
	Long Island energy storage, heat pumps, EVs	-	-	-	-
	EmPower NY	-	-	200,000	425,000
	Home Performance with Energy Star	-	-	300,000	75,000
	Multifamily Performance Program	-	(1,773,314)	-	(1,378,301)
	Multifamily Carbon Emissions Reduction	-	-	-	-
	Solar Thermal incentive	-	-	-	-
	Municipal Water/Wastewater	-	-	-	-
	Green Residential Buildings	-	-	-	-
Innovative GHG Abatement Strategies	Electric Vehicle/Charge NY	7,000,000	7,000,000	6,500,000	6,500,000
	Southern Tier Competition (76 West)	4,250,000	4,562,500	-	-
	Brookhaven National Lab- ION Collider	-	-	-	-
	Advanced Buildings	-	-	-	-
	Industrial Innovations	-	-	-	-
	Climate Research & Analysis	-	144,756	-	-
	Competitive GHG Reduction Pilot	-	-	-	-
	Clean Energy Business Development	-	-	-	(2,448,293)
	Transportation Research	-	(1,355,264)	-	(97,725)
	PV Manufacturing consortium	-	-	-	-
Carbon Sequestration	-	-	-	-	
Community Clean Energy	Cleaner Greener Communities	-	-	-	(514,838)
	Clean Energy Communities	-	(1,700,000)	-	(226,880)
	Climate Smart Communities	328,000	-	-	-
	Community Energy Engagement	-	-	-	-
	Economic Development Growth Extension	360,000	-	-	-
	Energy to Lead	-	-	-	-
	NYPrize Phase3 (Placeholder - Long Island Projects)	-	-	8,000,000	8,000,000
Regional Economic Development & GHG Reduction	-	-	-	(3,285)	
Clean Energy Fund	Transfer to(from) Clean Energy Fund	25,000,000	25,000,000	2,228,156	-
	Transfer to NY Green Bank	-	-	-	-
Directed	Transfer to State - Env. Tax Credits	23,000,000	23,000,000	23,000,000	23,000,000
	Electric Generation Facility Cessation Mitigation Program	-	-	-	-
	Transfer to Green Jobs-Green NY- Original Legislation	-	-	-	-
	Transfer to Green Jobs-Green NY- Additional Funding	27,000,000	14,000,000	19,000,000	3,000,000
	Transfer to Clean Energy Standard	-	-	-	-
	NYS Budget Transfer	-	-	-	-
Administration and Other Non-Program Costs	NYS Temporary Budget Transfer	-	-	-	-
	Program Administration	5,000,000	2,181,726	3,250,000	2,184,357
	Program Evaluation	-	-	-	(2,600,000)
	Commensurate Benefit/Litigation reserve	-	-	-	-
	RGGI Inc Startup Costs	-	-	-	-
	RGGI Inc pro-rata costs	1,021,005	1,000,000	1,000,000	542,012
	State Cost Recovery	982,236	1,254,747	1,004,934	1,047,339
Total Funding Allocations		125,041,242	97,415,152	90,433,090	63,436,010
Surplus/(Shortfall) of Revenues over Funding Allocations		28,583,249	(17,472,130)	16,343,951	29,468,473
Cumulative Surplus(Shortfall)		(18,783,415)	(78,500,396)	(62,156,444)	(49,031,922)