



NYSERDA

KATHY HOCHUL
Governor

RICHARD L. KAUFFMAN
Chair

DOREEN M. HARRIS
President and CEO

NOTICE OF MEETING AND AGENDA

June 17, 2022

TO THE MEMBERS OF THE NEW YORK STATE ENERGY RESEARCH AND DEVELOPMENT AUTHORITY:

PLEASE TAKE NOTICE that the Annual Meeting (the 257th) of the New York State Energy Research and Development Authority will be held at NYSERDA’s Albany Office located at 17 Columbia Circle, Albany, New York, and the NY Green Bank Office located at 1333 Broadway, New York, New York, on Tuesday, June 28, 2022, commencing at 3:00 p.m. for the following purposes:

I. Discussion Agenda

1. To receive a report from the President and CEO.
2. To consider and act upon a resolution dedicating the NYGB Board Room in memory of Alistair Winthrop Conger Clark.
3. To receive information from the Governance Committee:
 - a. To consider and act upon a motion to enter into private session for the purpose of reviewing the results of the Annual Confidential Board Member Performance Evaluation and to enter into executive session for the purpose of discussing the employment history of a particular person;
 - b. To consider and act upon a resolution approving the Annual Confidential Board Member Performance Evaluation Report; and
 - c. To receive a report on the compensation of the Authority’s Officers and to consider and act upon a resolution approving Officer compensation.
4. To receive information from the Audit and Finance Committee:
 - a. To consider and act upon a resolution approving the Financial Statements of the Authority and NY Green Bank for fiscal year 2021-2022.
5. To receive a report from the Waste and Facilities Management Committee.
6. To receive a report from the Program Planning Committee.
7. To receive a report from NY Green Bank.

New York State Energy Research and Development Authority

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II. Consent Agenda

1. To consider and act upon resolutions approving:
 - a. the Board Member Conflict of Interest Policy;
 - b. amendments to the Authority's By-laws;
 - c. a compensation schedule;
 - d. the Annual Investment Report of the Authority and the *Investment Guidelines, Operative Policy and Instructions (June 2022)*;
 - e. the Annual Investment Report for the NYSERDA OPEB (Other Post-Employment Benefits) Trust for the year ended March 31, 2022 and the *Investment Policy Statement for the NYSERDA OPEB Trust (June 2022)*;
 - f. the appointment of the Authority's independent auditors for fiscal year 2022-2023;
 - g. an annual bond sales report;
 - h. amendments to the Regional Greenhouse Gas Initiative Plan;
 - i. Charters for each of the Authority's Committees;
 - j. the Operations and Accomplishments, and Mission Statement and Measurements Annual Report;
 - k. the Annual Report on Acquisition and Disposition of Real and Personal Property, the *Real Property Acquisition Policy Guidelines (June 2021)*, and the *Guidelines, Operative Policy and Instructions for the Disposal of Real and Personal Property (June 2022)*;
 - l. the Annual Report on Contracts and the *Procurement and Program Contract Guidelines, Operative Policy and Instructions (June 2022)*;
 - m. the periodic contracts report; and
 - n. the annual report on the implementation of the Authority's prompt payment policy.

III. To transact such other business as may properly come before the meeting.

Members of the public may attend the meeting at any of the above locations, or via the video conference which can be accessed at <https://www.nyserda.ny.gov/About/Board-Governance/Board-and-Committee-Meetings>.

The Authority will be posting a video and a transcript of the meeting to the web as soon as practicable after the meeting. The video and transcript will be posted at <http://www.nyserda.ny.gov/About/Board-Governance/Board-and-Committee-Meetings>.



Peter J. Costello
Secretary

PRESIDENT & CEO
(Oral Report)

Resolution No. _____

Honoring Alistair Winthrop Conger Clark

WHEREAS, Alistair W. C. Clark served with distinction as a founding Member of New York Green Bank, a division of the New York State Energy Research and Development Authority, during its earliest years; and

WHEREAS, Mr. Clark's tenure was marked by a passion for implementing practical, market-based solutions to addressing climate threats facing New York's infrastructure and steady, consistent dedication to furthering the mission of New York Green Bank as a newly established fund within the Authority, including developing processes and practices that will continue to maximize the environmental, energy, and economic benefits to the People of the State of New York; and

WHEREAS, Mr. Clark's efforts were instrumental in establishing and securing New York Green Bank's reputation as a market-leading, innovative and respected financing entity – widely recognized as exceptional among its peers; and

WHEREAS, the Members of the Authority, assembled on this twenty-eighth day of June, two thousand twenty-two, have unanimously voted to commend Mr. Clark for his distinguished service to the People of the State of New York and his contributions to the Authority and to memorialize that commendation;

NOW, THEREFORE, the Members of the New York State Energy Research and Development Authority commend Alistair W.C. Clark, and express their deepest appreciation and respect for his dedicated and distinguished service on behalf of the Authority.

Richard L. Kauffman, NYSEERDA Chair

Resolution No. _____

RESOLVED, that pursuant to Section 108 of the Public Officers Law and Section 2800 of the Public Authorities Law, the Members shall convene in private session on June 28, 2022 for the purpose of reviewing the Annual Confidential Board Member Performance Evaluation of the Authority; and

RESOLVED, that pursuant to Section 105 of the Public Officers Law, the Members shall convene in executive session on June 28, 2022 for the purpose of discussion the employment history of a particular person.

Resolution No. ____

RESOLVED, that pursuant to Section 1852(9) of the Public Authorities Law and Section 3 of Article III of the By-laws of the Authority, the Members approve that the salary of the Chief Financial Officer, effective June 28, 2022, be in the amount of \$193,878.

**NEW YORK STATE ENERGY RESEARCH
AND DEVELOPMENT AUTHORITY
(A Component Unit of the State of New York)**

FINANCIAL STATEMENTS

March 31, 2022

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RESPONSIBILITY FOR FINANCIAL REPORTING

Management is responsible for the preparation, integrity and objectivity of the financial statements of the New York State Energy Research and Development Authority (the Authority), as well as all other information contained in the Authority's Annual Report. The financial statements of the Authority for the fiscal year ended March 31, 2022 were prepared in conformity with U.S. generally accepted accounting principles (U.S. GAAP). The Board of the Authority (the Board) adopted these financial statements and the Annual Report at a meeting on June 28, 2022.

The Authority maintains a system of internal controls, the objectives of which are to provide reasonable assurance as to the proper authorization and recording of transactions, the safeguarding of Authority assets, the compliance with applicable laws and regulations, and the reliability of financial records for preparing financial statements. The internal control structure is subject to periodic review by management, internal audit staff and the independent auditors. No internal control system can provide absolute assurance that errors and irregularities will not occur due to the inherent limitations of the effectiveness of internal controls; however, management strives to maintain a balance, recognizing that the cost of such system should not exceed the benefits derived.

The Authority's financial statements have been audited by KPMG LLP, independent auditors appointed by the Members of the Authority. Management has made available to the independent auditors all the financial records and related data of the Authority, as well as provided access to all the minutes of the meetings of the Board and its standing committees. The independent auditors periodically meet directly with the Audit and Finance Committee of the Board, which is comprised of Members who are not employees of the Authority.

The independent audit included obtaining an understanding of the internal control structure, tests of accounting records, and other procedures which the independent auditors considered necessary in order to express opinions as to the fairness of the presentation of the financial statements. No material weaknesses in internal control or any condition of non-compliance with applicable laws, regulations or policy were noted by the independent auditors through the execution of their audit procedures. The unmodified independent auditors' report attests that the financial statements are presented fairly, in all material respects, in accordance with U.S. GAAP.

Doreen M. Harris
President and Chief Executive Officer

Pamela C. Poisson
Chief Financial Officer



KPMG LLP
515 Broadway
Albany, NY 12207-2974

DRAFT
Independent Auditors' Report

Members of the Authority
New York State Energy Research and Development Authority:

Report on the Audit of the Financial Statements

Opinions

We have audited the financial statements of the governmental activities, the business-type activities, each major fund, and the aggregate remaining fund information of the New York State Energy Research and Development Authority (the Authority), a component unit of the State of New York, as of and for the year ended March 31, 2022, and the related notes to the financial statements, which collectively comprise the Authority's basic financial statements as listed in the table of contents.

In our opinion, the accompanying financial statements referred to above present fairly, in all material respects, the respective financial position of the governmental activities, the business-type activities, each major fund, and the aggregate remaining fund information of the Authority, as of March 31, 2022, and the respective changes in financial position and, where applicable, cash flows thereof for the year then ended in accordance with U.S. generally accepted accounting principles.

Basis for Opinions

We conducted our audit in accordance with auditing standards generally accepted in the United States of America (GAAS) and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Our responsibilities under those standards are further described in the Auditors' Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of the Authority and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

Responsibilities of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with U.S. generally accepted accounting principles, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the Authority's ability to continue as a going concern for twelve months beyond the financial statement date, including any currently known information that may raise substantial doubt shortly thereafter.

Auditors' Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinions. Reasonable assurance is a high level of assurance but is not absolute assurance

and therefore is not a guarantee that an audit conducted in accordance with GAAS and *Government Auditing Standards* will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with GAAS and *Government Auditing Standards*, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Authority's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the Authority's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control related matters that we identified during the audit.

Required Supplementary Information

U.S. generally accepted accounting principles require that management's discussion and analysis and the required supplementary information on pages 49-51 be presented to supplement the basic financial statements. Such information is the responsibility of management and, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Other Information

Management is responsible for the other information included in the annual report. The other information comprises the Responsibility for Financial Reporting section but does not include the basic financial

statements and our auditors' report thereon. Our opinions on the basic financial statements do not cover the other information, and we do not express an opinion or any form of assurance thereon.

In connection with our audit of the basic financial statements, our responsibility is to read the other information and consider whether a material inconsistency exists between the other information and the basic financial statements, or the other information otherwise appears to be materially misstated. If, based on the work performed, we conclude that an uncorrected material misstatement of the other information exists, we are required to describe it in our report.

Other Reporting Required by *Government Auditing Standards*

In accordance with *Government Auditing Standards*, we have also issued our report dated June 28, 2022 on our consideration of the Authority's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is solely to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the Authority's internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the Authority's internal control over financial reporting and compliance.

[(signed) KPMG LLP]

Albany, New York
June 28, 2022

New York State Energy Research and Development Authority
(A Component Unit of the State of New York)
Management's Discussion and Analysis
For the Year Ended March 31, 2022
Unaudited

The following Management's Discussion and Analysis (MD&A) of New York State Energy Research and Development Authority's (NYSERDA) financial performance provides an overview of NYSEDA's financial activities for the fiscal year ended March 31, 2022. The information contained in the MD&A should be considered in conjunction with the information presented as part of NYSEDA's basic financial statements. Following this MD&A are the basic financial statements of NYSEDA with the notes thereto that are essential to a full understanding of the data contained in the financial statements. NYSEDA's basic financial statements have the following components: (1) government-wide financial statements; (2) governmental fund financial statements; (3) proprietary fund financial statements; (4) fiduciary fund financial statements; and (5) notes to the basic financial statements.

The government-wide financial statements are designed to provide readers with a broad overview of NYSEDA's finances in a manner similar to a private-sector business. The *Statement of Net Position* presents information on all of NYSEDA's assets, deferred outflows of resources, liabilities, and deferred inflows of resources, and the difference between these is reported as net position. The *Statement of Activities* presents information showing how NYSEDA's net position changed during the fiscal year. All changes in net position are reported as soon as the underlying event giving rise to the change occurs, regardless of the timing of the related cash flows. Thus, revenues and expenses are reported in the Statement for some items that will result in cash flows in future fiscal periods, or which already resulted in cash flows in a prior fiscal period. The government-wide financial statements present information about NYSEDA as a whole. All activities of NYSEDA are considered to be governmental activities, with the exception of the activities of NY Green Bank, which are considered business-type activities.

Governmental fund financial statements focus on near-term inflows and outflows of resources, as well as on balances of resources available at the end of the fiscal year. Such information may be useful in evaluating a government's near-term financing requirements. Because the focus of governmental funds is narrower than that of the government-wide statements, it is useful to compare the information presented for governmental activities in the government-wide financial statements. By doing so, the reader may better understand the long-term impact of the government's near-term financing decisions. The governmental funds *Balance Sheet* and the governmental funds *Statement of Revenues, Expenditures, and Changes in Fund Balances* provide a reconciliation to facilitate the comparison between governmental funds and governmental activities.

Proprietary fund financial statements provide information for business-type activities where NYSEDA charges fees to customers to recover costs of providing services. NY Green Bank is reported as a proprietary fund. The proprietary fund financial statements include a *Statement of Net Position*, a *Statement of Revenues, Expenses and Changes in Fund Net Position*, and a *Statement of Cash Flows*.

The fiduciary fund financial statements report assets held by NYSEDA in a fiduciary capacity for others and consist of a *Statement of Fiduciary Net Position* and a *Statement of Changes in Fiduciary Net Position*. These funds are not reflected in the government-wide financial statements because the resources of those funds are not available to support NYSEDA's programs.

The notes to the basic financial statements provide additional information that is essential for a full understanding of the information provided in the government-wide, governmental fund, proprietary fund, and fiduciary fund financial statements.

New York State Energy Research and Development Authority
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BACKGROUND

The mission of NYSERDA, is to advance clean energy innovation and investments to combat climate change, improve the health, resiliency, and prosperity of New Yorkers, and deliver benefits equitably to all. These efforts are key to developing a less polluting and more reliable and affordable energy system for all New Yorkers. Collectively, NYSERDA's efforts aim to reduce greenhouse gas emissions, accelerate economic growth, and reduce customer energy bills. NYSERDA works with stakeholders throughout New York including residents, business owners, developers, community leaders, local government officials, university researchers, utility representatives, investors, and entrepreneurs. NYSERDA partners with them to develop, invest, and foster the conditions that attract the private sector capital investment needed to expand New York's clean energy economy, overcome barriers to using clean energy at a large-scale in New York, and enable New York's communities and residents to benefit from energy efficiency and renewable energy.

New York State's nation-leading climate plan calls for an orderly and just transition to clean energy that creates jobs and continues fostering a green economy in New York State, as memorialized through the Climate Leadership and Community Protection Act ("CLCPA"). NYSERDA is charged with coordinating much of the work to attain New York's goals as stated in the CLCPA, including driving energy efficiency improvements to reduce statewide energy use by 185 TBtu, attain a zero-emission electricity sector by 2040 with 70 percent renewable energy generation by 2030, and reach economy wide carbon neutrality around mid-century. NYSERDA works, directly and through partnerships, to achieve these goals. In so doing, it strives to attract private investment to better leverage government funding and realize economies of scale. Consistent with the September 2021 Public Service Commission Clean Energy Fund (CEF) Order, NYSERDA also aims to direct 40 percent of the benefits of CEF investments to disadvantaged communities.

Underpinning this critical work, NYSERDA also plays a key role in ensuring energy security for New York State, by providing the State's energy policy decision makers with a wide range of data and analyses to support policy making including the ongoing maintenance of the strategic fuel reserves to ensure an appropriate supply is available for first responders in the event of a fuel supply emergency.

The funding to carry out initiatives in support of these goals is primarily supported by ratepayer surcharges collected by utilities on NYSERDA's behalf through their regular billing processes. Such funding is determined and overseen by the Public Service Commission (PSC) and documented in various orders issued by the PSC, including the Clean Energy Fund (CEF) and Clean Energy Standard (CES) orders. NYSERDA receives some additional variable funding through regional greenhouse gas allowance auction proceeds that accrue to NYS as a result of its membership in the Regional Greenhouse Gas Initiative (RGGI) that allow NYSERDA to complement and amplify high-priority energy initiatives that realize benefits in disadvantaged communities and expand private investment and partnerships without cost to the State. NYSERDA also receives a small portion of its budget from direct state appropriations to support energy analysis and planning and energy safety and security activities.

FORWARD LOOKING STATEMENTS

The statements in this management's discussion and analysis (MD&A) that are not purely historical facts are forward-looking statements based on current expectations of future events. Such forward-looking statements are necessarily based on various assumptions and estimates and are inherently subject to various risks and uncertainties, including, but not limited to, risks and uncertainties relating to the possible invalidity of the underlying assumptions and estimates and possible changes to or development in various important factors. Accordingly, actual results may vary from those we presently expect, and such variations may be material. We therefore caution against placing undue reliance on any forward-looking statements contained in this MD&A. All forward-looking statements included in this MD&A are made only as of the date of this MD&A and we assume no obligation to update any such forward-looking statements as a result of new information, future events or other factors.

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CONDENSED FINANCIAL INFORMATION

The following condensed financial information is presented from NYSERDA's government-wide financial statements:

(Amounts in thousands)

Summary of Net Position	Governmental Activities	Business-type Activities	Total March 31, 2022	Total March 31, 2021	% Change 2022-2021
Cash and investments	\$848,591	450,996	1,299,587	888,309	46.3
Capital assets	11,376	-	11,376	12,470	-8.8
Loans and financing receivables, net	196,780	472,229	669,009	792,053	-15.5
Residual interest receivables	-	77,360	77,360	-	100.0
Other assets	49,699	2,010	51,709	98,196	-47.3
Total assets	1,106,446	1,002,595	2,109,041	1,791,028	17.8
Deferred outflows of resources	28,021	4,504	32,525	31,215	4.2
Other liabilities	310,717	928	311,645	226,171	37.8
Non-current liabilities	96,358	(2,202)	94,156	157,986	-40.4
Total liabilities	407,075	(1,274)	405,801	384,157	5.6
Deferred inflows of resources	43,334	7,095	50,429	10,866	364.1
Net Position:					
Net investment in capital assets	11,376	-	11,376	12,469	-8.8
Restricted	666,946	1,001,278	1,668,224	1,409,361	18.4
Unrestricted	5,736	-	5,736	5,390	6.4
Total net position	\$684,058	1,001,278	1,685,336	1,427,220	18.1

Total assets increased \$318.0 million (17.8%). Cash and investments increased \$411.3 million (46.3%) primarily due to the following: Clean Energy Standard Program (CES) zero-emission credit assessments had a full 12 months of receipts, whereas in the prior fiscal year there were only 11 months of receipts due to a change in the billing methodology; CES alternative compliance payments collected from load-serving entities, RGGI auction clearing prices higher than in the prior year; NY Green Bank proceeds from the sale of a portion of the portfolio of Loans and financing receivables to a third party investor, and a larger NY-Sun bill-as-you-go working capital requirement due to the expansion of the program. Loans and financing receivables decreased \$123.0 million (-15.5%), primarily reflecting the sale of various NY Green Bank loans as part of a program enhancement to recycle capital faster and thus accelerate energy efficiency and clean energy measures designed to ultimately reduce ratepayer costs and/or enhance energy security; and resilience and due to sales of participation shares in GJGNY loans. Residual interest receivable increased \$77.4 million (100.0%), from the aforementioned sale of various NY Green Bank loans. Other assets decreased \$46.5 million (-47.3%) primarily due to a \$47.9 million decrease in the Zero-emission credit (ZEC) program receivable because the current fiscal year reflects 12 months of receipts, while the prior year included an accrual of one month's revenues due to a change in billing timing in FY 2020-21.

Deferred outflows of resources increased by \$1.3 million (4.2%) primarily due to an increase in the actuarially-determined deferred outflows related to pension and other post-employment benefits (OPEB).

Total liabilities increased \$21.6 million (5.6%). Non-current liabilities decreased \$63.8 million (-40.4%) primarily due to a decrease in the actuarially determined net pension and OPEB liabilities reflecting changes in fair market value of investments held in the related Plans, and scheduled bonds payable principal payments and early redemptions. Other liabilities increased by \$85.5 million (37.8%); primarily a result of an

New York State Energy Research and Development Authority
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increase in accounts payable associated with simple timing of receipt, approval and payments of invoices received, as well as from the effect of new programs and the expanded funding size of pre-existing programs. Additionally, accrued liabilities increased for estimated invoices not yet received and paid.

Deferred inflows of resources increased by \$39.6 million (364.1%) principally due to favorable investment performance results compared to actuarial expectations for both the pension and OPEB plans.

Net position increased \$258.1 million (18.1%) principally due to greater than expected RGGI auction proceeds; Alternative Compliance Payments in the CES (REC) program, NY Green Bank's additional capitalization received, and receipts pursuant to the Clean Transportation Volkswagen Settlement.

(Amounts in thousands)

Summary of Changes in Net Position	Governmental Activities	Business-type Activities	Total March 31, 2022	Total March 31, 2021	% Change 2022-2021
Revenues:					
State appropriations	\$15,364	-	15,364	23,286	-34.0
Utility surcharge assessments	583,757	44,252	628,009	761,681	-17.5
Renewable energy credit assessments	55,543	-	55,543	16,707	232.5
Zero-emission credit assessments	609,021	-	609,021	526,518	15.7
Allowance proceeds	250,634	-	250,634	140,560	78.3
Third-party reimbursements	75,035	-	75,035	51,283	46.3
Federal grants	7,845	-	7,845	5,514	42.3
Interest subsidy	306	-	306	356	-14.0
Loans and financing receivables interest	7,672	13,811	21,483	32,423	-33.7
Loss on sale of loans and financing receivables	-	(13,543)	(13,543)	-	100.0
Investment income (loss)	(64)	(9)	(73)	702	-110.4
Other program revenue	9,619	10,387	20,006	12,400	61.3
Total revenues	1,614,732	54,898	1,669,630	1,571,430	6.2
Expenses:					
Salaries and benefits	50,130	8,399	58,529	61,778	-5.3
Program expenditures	1,314,206	94	1,314,300	1,125,952	16.7
Investment related expenses	0	454	454	585	-22.4
Program operating costs	1,535	2,245	3,780	3,557	6.3
General & administrative costs	12,860	2,139	14,999	11,467	30.8
Depreciation	2,406	177	2,583	2,663	-3.0
NY State assessments	13,458	136	13,594	13,594	0.0
Interest	3,275	0	3,275	3,745	-12.6
Total expenses	1,397,870	13,644	1,411,514	1,223,341	15.4
Change in net position	216,862	41,254	258,116	348,089	-25.8
Net position, beginning of year	467,196	960,024	1,427,220	1,079,131	n/a
Net position, end of year	\$684,058	1,001,278	1,685,336	1,427,220	18.1

Total revenue increased \$98.2 million (6.2%). Utility surcharge assessments revenue decreased by \$133.7 million (-17.5%) principally due to much lower capitalization of NY Green Bank funded by the System Benefits Charge and provided to NYSERDA via the Bill-as-You-Go mechanism, as the final amount was collected in the first month of FY 2021-22. Partially offsetting this was a large increase in NY-Sun revenues associated with the expanded authorized size of the program. REC proceeds increased by \$38.8 million (232.5%) principally due to a large increase in Alternative Compliance Payments. ZEC revenues increased by \$82.5 million (15.7%) consistent with Public Service Commission ordered assessments. Allowance proceeds increased by \$110.1 million (78.3%) due to the average quarterly auction sale prices being much higher than in the prior fiscal year. Third-party reimbursements increased by \$23.8 million (46.3%), principally due to receipt of \$26.0 million in advanced funding for the Clean Transportation Volkswagen Settlement Agreement, representing a \$10.0 million increase over the prior year's receipts; and \$21.1 million

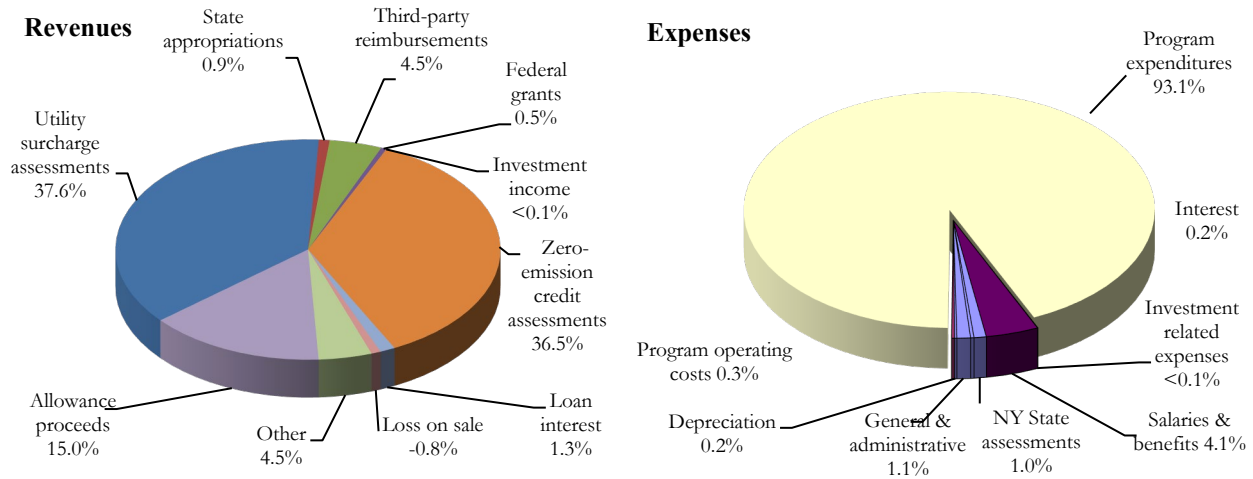
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For the Year Ended March 31, 2022
Unaudited

in receipts for the New Efficiency NY Program; offset in part by wind down of the Indian Point Energy Center Contingency program. Loans and financing receivables interest income decreased \$10.9 million (-33.7%) mostly due to a NY Green Bank provision for losses in the current fiscal year of \$5.2 million, and also as a result of the sale of a portion of the interest-bearing portfolio to a third-party investor around mid-year, as well as GJGNY's sale of participation shares in a substantial portion of aggregate loans outstanding. The loss on sale reflects a planned initiative of NY Green Bank to monetize existing assets to allow capital to be accessible faster and thus allow more productive near-term use. This transaction resulted in an upfront collection of cash plus rights to any residual payments, net of transaction fees, including an adjustment to the residual value due to pre-payments occurring faster than modeled, and other factors. The loss on this transaction included fees of \$7.8 million and an unrealized loss of \$5.7 million to adjust the residual value to the discounted cash flows at March 31, 2022. The decrease in investment income of \$0.8 million (-110.4%) was due to a lower annualized yield than the prior year, primarily from lower US Treasury yields available during the year as certain prior year long term maturities held much higher yields than current year US Treasury yields. Additionally, unrealized losses resulted from general market movements, entirely offset all realized interest income in FY 2021-22, while in FY 2020-21 unrealized losses only partially offset the realized interest income. Unrealized losses are recorded to mark the investments at fair value, but are not expected to be sustained given NYSERDA's intent to nearly always hold investments to maturity. Other program revenues increased \$7.6 million (61.3%) primarily due to higher closing fees earned by NY Green Bank.

Total expenses increased \$188.2 million (15.4%). Program expenditures increased \$188.3 million (16.7%) primarily due to the CEF fund's EmPower and Assisted Home Performance programs experiencing higher than projected levels of participation due to an increase in project funding caps and expanded eligibility thresholds as a response to COVID-19; accelerated payments on project deliverables being paid out quicker than previously under the Real Time Energy Management and High Performing Grid programs, and from increased technical assistance incentives paid under the New Construction Housing program. Additionally, NY-Sun expenditures increased associated with an increase in funding and goals of the program. ZEC program expenditures increased by approximately \$58.0 million in accordance with PSC Ordered payments to nuclear generation facilities. Salaries and benefits expense decreased \$3.2 million (-5.3%) primarily due to a large decrease in pension and OPEB benefits expense. The prior year pension and OPEB expense had reflected a large downturn in the market value of the related Plans' investments held as a result of the Covid-19 pandemic outbreak in approximately March 2020 (these expenses are reported with a one year lag as allowed by GASB Standards to accommodate the timing of completion of periodic actuarial valuations); by the March 31, 2022 reporting date (March 31, 2021 measurement date), the Plan's investments had seen a nearly complete reversal of the previous unrealized market value write-down. Salaries expense increased primarily due to payments made for authorized retroactive performance and COLA awards.

The following charts depict Authority revenues and expenses for the year ended March 31, 2022.

New York State Energy Research and Development Authority
(A Component Unit of the State of New York)
Management's Discussion and Analysis
For the Year Ended March 31, 2022
Unaudited



FINANCIAL ANALYSIS OF FUNDS

Total fund balances for the governmental funds decreased from \$593.4 million to \$592.1 million as further described below:

- The CEF fund balance decreased from \$88.8 million to \$76.3 million principally due to expenditures in excess of revenues resulting from normal timing variances.
- The NY-Sun fund balance increased from \$27.6 million to \$72.5 million primarily due to collections reflecting the additional scope, goals, and related funding levels for the program in turn driving a larger working capital balance.
- The CES fund balance increased from (\$6.8) million to \$36.9 million primarily due to REC Alternative Compliance Payments received.
- The RGGI fund balance increased from \$86.5 million to \$184.2 million principally as a result of higher auction allowance prices generating more revenue than was budgeted and expended. This additional revenue has since been incorporated into updated stakeholder- and Board-approved operating plans for the next planning period and is expected to be expended per those approved plans.
- The GJGNY fund balance decreased from \$289.3 million to \$269.7 million principally due to costs associated with the sale of participation shares in the loan portfolio to third-party investors.
- The aggregated Other Funds fund balance increased from \$106.7 million to \$145.3 million principally due to BAYG revenues for the Energy Storage program, as well as additional revenues received in advance of expenditures for the Clean Transportation Volkswagen Settlement Agreement.

Total net position for the proprietary fund was \$1.0 billion at March 31, 2022, as described below:

- NY Green Bank's net position increased by \$41.3 million primarily as a result of the final installment of capitalization pursuant to the CEF Order's Bill-As-You-Go funding mechanism. Operating revenues decreased by \$19.0 million (-64.0%) primarily due to the loss on sale of Loans and financing receivables to a third-party investor, as well as the recording of a provision for losses on Loans and financing receivables. Operating expenses increased by \$0.8 million primarily due to an increase in salaries and allocated general & administrative expenses.

CAPITAL ASSET AND DEBT ADMINISTRATION

NYSERDA maintains land, buildings, and furniture and equipment in various locations for its corporate purposes. Total capital assets as of March 31, 2022 were \$11.4 million, net of accumulated depreciation.

**New York State Energy Research and Development Authority
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Management's Discussion and Analysis
For the Year Ended March 31, 2022
Unaudited**

Capital asset additions for the fiscal year ended March 31, 2022 were \$1.5 million, primarily for information technology upgrades as well as furniture, fixtures and equipment.

Total non-current liabilities decreased \$63.8 million (-40.4%) primarily due to a decrease in the actuarially determined net pension and OPEB liabilities reflecting changes in fair market value of investments held in the related Plans, and scheduled bonds payable principal payments and early redemptions.

NYSERDA also issues tax-exempt bonds on a conduit basis on behalf of utility companies to finance certain eligible projects. As of March 31, 2022, approximately \$1.5 billion of bonds are outstanding. These bonds are non-recourse bonds and, as such, are not included in NYSERDA's financial statements.

ECONOMIC FACTORS

On behalf of the State, NYSERDA manages the Western New York Nuclear Service Center in West Valley, New York, the site of a former plant for reprocessing used nuclear fuel. Depending upon the clean-up options selected and agreement on cost sharing with the federal government, these costs could be substantial. It is anticipated that New York State's share of future costs for the West Valley site will be provided by New York State to NYSERDA and will not impact NYSERDA's current funding. As permitted by Governmental GASB Statement No. 49, *Accounting and Financial Reporting for Pollution Remediation Obligations*, no liability has been recorded in NYSERDA's financial statements for this contingency due to the expected recoveries from New York State.

NYSERDA's programs are impacted by a number of factors including, but not limited to, general economic conditions, energy prices, energy system reliability, and energy technology advancements. Revenues from RGGI allowance auction proceeds in particular can be highly sensitive to some of the aforementioned factors. NYSERDA has assessed current economic factors including inflation, supply chain constraints, residual impacts of the COVID pandemic, and the conflict in Ukraine, and does not foresee material impact on its near-term financial condition or operations. We will continue to closely monitor program costs and outcomes and adjust proactively to mitigate potential impacts from external factors.

CONTACT FOR NYSERDA'S FINANCIAL MANAGEMENT

This report is designed to provide a general overview of the finances of NYSERDA for interested parties. Questions concerning any information within this report or requests for additional information should be addressed to Pam Poisson, Chief Financial Officer, NYSERDA, 17 Columbia Circle, Albany, NY 12203.

NEW YORK STATE ENERGY RESEARCH AND DEVELOPMENT AUTHORITY
(A Component Unit of the State of New York)
Statement of Net Position
March 31, 2022
(with summarized comparative totals for March 31, 2021)
(Amounts in thousands)

	Governmental Activities	Business-type Activities	Total March 31, 2022	Total March 31, 2021
<u>ASSETS:</u>				
Current assets:				
Cash and investments	\$848,591	450,996	1,299,587	888,309
New York State receivable	1,714	-	1,714	8,214
Third-party billings receivable	26,835	5	26,840	70,712
Interest receivable on loans	1,107	2,005	3,112	4,086
Loans and financing receivables due within one year, net	17,609	60,419	78,028	94,603
Prepaid expense	3,593	-	3,593	3,386
Other assets	16,450	-	16,450	11,798
Total current assets	<u>915,899</u>	<u>513,425</u>	<u>1,429,324</u>	<u>1,081,108</u>
Non-current assets:				
Loans and financing receivables- long-term, net	179,171	411,810	590,981	697,450
Loans and financing receivables - residual interest	-	77,360	77,360	-
Capital assets, net of depreciation	11,376	-	11,376	12,470
Total non-current assets	<u>190,547</u>	<u>489,170</u>	<u>679,717</u>	<u>709,920</u>
Total assets	<u>1,106,446</u>	<u>1,002,595</u>	<u>2,109,041</u>	<u>1,791,028</u>
<u>DEFERRED OUTFLOWS OF RESOURCES:</u>				
	28,021	4,504	32,525	31,215
<u>LIABILITIES:</u>				
Current liabilities:				
Non-current liabilities due within one year	14,015	-	14,015	13,690
Accounts payable	57,207	243	57,450	9,711
Accrued liabilities	216,308	484	216,792	184,931
Unearned revenue	2,646	-	2,646	3,091
Deposits	34,556	201	34,757	28,438
Total current liabilities	<u>324,732</u>	<u>928</u>	<u>325,660</u>	<u>239,861</u>
Non-current liabilities:				
Bonds payable	87,632	-	87,632	109,027
Other non-current liabilities	(5,289)	(2,202)	(7,491)	35,269
Total non-current liabilities	<u>82,343</u>	<u>(2,202)</u>	<u>80,141</u>	<u>144,296</u>
Total liabilities	<u>407,075</u>	<u>(1,274)</u>	<u>405,801</u>	<u>384,157</u>
<u>DEFERRED INFLOWS OF RESOURCES:</u>				
	43,334	7,095	50,429	10,866
<u>NET POSITION:</u>				
Net investment in capital assets	11,376	-	11,376	12,469
Restricted for specific programs	666,946	1,001,278	1,668,224	1,409,361
Unrestricted	5,736	-	5,736	5,390
Total net position	<u>\$684,058</u>	<u>1,001,278</u>	<u>1,685,336</u>	<u>1,427,220</u>

See accompanying notes to the basic financial statements.

NEW YORK STATE ENERGY RESEARCH AND DEVELOPMENT AUTHORITY
(A Component Unit of the State of New York)
Statement of Activities
For the year ended March 31, 2022
(with summarized comparative totals for March 31, 2021)
(Amounts in thousands)

	Governmental Activities								Business-type	Total	Total
	Functions/Programs								Activities	March 31,	March 31,
	CEF	NY-Sun	CES	RGGI	Energy Analysis	West Valley	Other	Total	NY Green Bank	2022	2021
EXPENSES:											
Salaries and benefits	\$21,916	2,112	5,383	5,514	5,009	2,351	7,845	50,130	8,399	58,529	61,778
Program expenditures	306,430	151,144	614,072	98,934	6,736	15,305	121,585	1,314,206	94	1,314,300	1,125,952
Investment related expenses	-	-	-	-	-	-	-	-	454	454	585
Program operating costs	194	31	23	11	742	130	404	1,535	2,245	3,780	3,557
General & administrative expenses	5,612	538	1,386	1,420	1,283	609	2,012	12,860	2,139	14,999	11,467
Depreciation	1,143	281	211	118	106	55	492	2,406	177	2,583	2,663
NY State assessments	3,119	1,499	6,245	1,056	144	187	1,208	13,458	136	13,594	13,594
Interest	-	-	-	-	-	-	3,275	3,275	-	3,275	3,745
Total expenses	338,414	155,605	627,320	107,053	14,020	18,637	136,821	1,397,870	13,644	1,411,514	1,223,341
REVENUES:											
<i>Operating grants and contributions</i>											
State appropriations	-	-	-	273	139	14,126	826	15,364	-	15,364	23,286
Utility surcharge assessments	278,473	185,553	-	-	12,157	-	107,574	583,757	44,252	628,009	761,681
Renewable energy credit proceeds	-	-	55,543	-	-	-	-	55,543	-	55,543	16,707
Zero-emission credit assessments	-	-	609,021	-	-	-	-	609,021	-	609,021	526,518
Allowance auction proceeds	-	-	-	250,634	-	-	-	250,634	-	250,634	140,560
Third-party reimbursements	19,579	-	60	67	-	2,749	52,580	75,035	-	75,035	51,283
Federal grants	-	-	-	-	2,187	-	5,658	7,845	-	7,845	5,514
Interest subsidy	-	-	-	-	-	-	306	306	-	306	356
<i>Charges for services</i>											
Project repayments	-	-	-	-	-	-	450	450	-	450	361
Rentals from leases	-	-	-	-	-	7	1,034	1,041	-	1,041	1,009
Fees and other income	-	-	6,920	-	-	-	1,208	8,128	10,387	18,515	11,030
Loans and financing receivables interest	52	-	-	-	-	-	7,620	7,672	13,811	21,483	32,423
<i>Other</i>											
Loss on sale of Loans and financing receivables	-	-	-	-	-	-	-	-	(13,543)	(13,543)	-
Investment income (loss)	(90)	(9)	(24)	7	-	-	52	(64)	(9)	(73)	702
Total revenues	298,014	185,544	671,520	250,981	14,483	16,882	177,308	1,614,732	54,898	1,669,630	1,571,430
Increase (decrease) in net position before transfers	(40,400)	29,939	44,200	143,928	463	(1,755)	40,487	216,862	41,254	258,116	348,089
Transfers	28,663	14,823	(55)	(45,789)	-	-	2,358	-	-	-	-
Change in net position	(11,737)	44,762	44,145	98,139	463	(1,755)	42,845	216,862	41,254	258,116	348,089
Net position, beginning of year	85,107	27,559	(6,730)	85,669	2,582	1,755	271,254	467,196	960,024	1,427,220	1,079,131
Net position, end of year	\$73,370	72,321	37,415	183,808	3,045	-	314,099	684,058	1,001,278	1,685,336	1,427,220

See accompanying notes to the basic financial statements.

NEW YORK STATE ENERGY RESEARCH AND DEVELOPMENT AUTHORITY
(A Component Unit of the State of New York)
Balance Sheet - Governmental Funds
March 31, 2022
(with summarized comparative totals for March 31, 2021)
(Amounts in thousands)

	Major Funds					Other Funds	Total	Total
	CEF	NY-Sun	CES	RGGI	GJGNY		March 31, 2022	March 31, 2021
ASSETS:								
Cash and investments	\$97,103	103,083	213,553	194,397	76,909	163,546	848,591	502,231
Receivables:								
New York State	252	-	250	-	-	1,212	1,714	8,214
Third-party billings	18	(4,072)	17,881	-	3,470	9,538	26,835	70,685
Interest on loans	47	-	-	-	1,060	-	1,107	871
Loans	4,500	-	-	-	192,280	-	196,780	219,353
Prepaid expense	1,000	-	-	-	-	2,593	3,593	3,386
Other assets	504	-	-	-	-	15,946	16,450	11,798
Due from other funds	3,576	399	-	424	215	-	4,614	6,635
Total assets	<u>\$107,000</u>	<u>\$99,410</u>	<u>231,684</u>	<u>194,821</u>	<u>273,934</u>	<u>192,835</u>	<u>1,099,684</u>	<u>823,173</u>
LIABILITIES AND FUND BALANCES:								
Liabilities:								
Accounts payable	\$1,210	11,835	20,339	5,646	3,241	14,936	57,207	9,617
Accrued liabilities	28,316	15,119	140,050	4,914	469	26,524	215,392	183,464
Unearned revenue	1,147	-	-	29	568	902	2,646	3,091
Deposits	-	-	34,075	-	-	481	34,556	27,977
Due to other funds	-	-	369	-	-	4,664	5,033	6,927
Total liabilities	<u>30,673</u>	<u>26,954</u>	<u>194,833</u>	<u>10,589</u>	<u>4,278</u>	<u>47,507</u>	<u>314,834</u>	<u>231,076</u>
Fund Balances:								
Nonspendable-not in spendable form	1,000	-	-	-	-	2,593	3,593	3,386
Restricted	75,327	72,456	36,851	184,232	269,656	139,591	778,113	592,540
Unassigned	-	-	-	-	-	3,144	3,144	(3,829)
Total fund balances	<u>76,327</u>	<u>72,456</u>	<u>36,851</u>	<u>184,232</u>	<u>269,656</u>	<u>145,328</u>	<u>784,850</u>	<u>592,097</u>
Total liabilities and fund balances	<u>\$107,000</u>	<u>99,410</u>	<u>231,684</u>	<u>194,821</u>	<u>273,934</u>	<u>192,835</u>	<u>1,099,684</u>	<u>823,173</u>

Following is a reconciliation of amounts reported differently in the Statement of Net Position:

Total fund balances for governmental funds	\$784,850	\$592,097
Capital assets used in governmental activities are not current financial resources and therefore are not reported in the funds	11,557	12,657
Long-term liabilities are not due and payable in the current period and therefore are not reported in the funds	(96,120)	(153,952)
Pension & OPEB related deferred outflows and inflows are not reported in governmental funds	(15,313)	17,488
Accrued interest expense	(916)	(1,094)
Net position of governmental activities	<u>\$684,058</u>	<u>467,196</u>

See accompanying notes to the basic financial statements.

NEW YORK STATE ENERGY RESEARCH AND DEVELOPMENT AUTHORITY
(A Component Unit of the State of New York)
Statement of Revenues, Expenditures and Changes in Fund Balances - Governmental Funds
For the year ended March 31, 2022
(with summarized comparative totals for March 31, 2021)
(Amounts in thousands)

	Major Funds						Total	Total
	CEF	NY-Sun	CES	RGGI	GJGNY	Other Funds	March 31, 2022	March 31, 2021
REVENUES:								
State appropriations	\$ -	-	-	273	-	15,091	15,364	23,286
Utility surcharge assessments	278,473	185,553	-	-	-	119,731	583,757	424,700
Renewable energy credit proceeds	-	-	55,543	-	-	-	55,543	6,969
Zero-emission credit assessments	-	-	609,021	-	-	-	609,021	526,518
Allowance auction proceeds	-	-	-	250,634	-	-	250,634	140,560
Third-party reimbursements	19,579	-	60	67	-	55,329	75,035	51,283
Federal grants	-	-	-	-	-	7,845	7,845	5,514
Interest subsidy	-	-	-	-	306	-	306	356
Project repayments	-	-	-	-	-	450	450	361
Rentals from leases	-	-	-	-	-	1,041	1,041	1,009
Fees and other income	-	-	6,920	-	20	1,188	8,128	15,484
Loan interest	52	-	-	-	7,620	-	7,672	8,096
Investment income (loss)	(90)	(9)	(24)	7	10	42	(64)	486
Total revenues	298,014	185,544	671,520	250,981	7,956	200,717	1,614,732	1,204,622
EXPENDITURES:								
Current expenditures	338,705	155,463	627,464	107,302	14,290	152,170	1,395,394	1,197,515
Debt service:								
Principal	-	-	-	-	21,730	-	21,730	19,901
Interest	-	-	-	-	3,454	-	3,454	3,765
Bond issuance costs	-	-	-	-	96	-	96	625
Capital outlay	481	46	317	123	21	317	1,305	775
Total expenditures	339,186	155,509	627,781	107,425	39,591	152,487	1,421,979	1,222,581
OTHER FINANCING SOURCES (USES):								
Residential Solar and Energy Efficiency Financing								
Green Revenue Bonds issued	-	-	-	-	-	-	-	16,690
Transfers in	44,019	21,069	96	-	12,000	6,676	83,860	154,543
Transfers out	(15,356)	(6,246)	(151)	(45,789)	-	(16,318)	(83,860)	(154,543)
Net other financing sources (uses)	28,663	14,823	(55)	(45,789)	12,000	(9,642)	-	16,690.00
Net change in fund balances	(12,509)	44,858	43,684	97,767	(19,635)	38,588	192,753	(1,269)
Fund balances, beginning of year	88,836	27,598	(6,833)	86,465	289,291	106,740	592,097	593,366
Fund balances, end of year	\$76,327	72,456	36,851	184,232	269,656	145,328	784,850	592,097

Following is a reconciliation of amounts reported differently in the Statement of Activities:

Net change in fund balances for governmental funds	\$192,753	(1,269)
Capitalization and depreciation of capital outlays, rather than recording as an expenditure	(1,100)	(1,741)
Expenses for compensated absences in the Statement of Activities do not require the use of current financial resources and therefore are not reported as expenditures in governmental funds	(815)	(1,367)
Expenses for accrued bond interest in the Statement of Activities do not require the use of current financial resources and therefore are not reported as expenditures in governmental funds	179	20
Pension contributions are not an expense in the Statement of Activities, and GASB 68 pension expense is not a use of current financial resources in the governmental funds	2,217	(4,395)
Bond proceeds are a current financial resource in the governmental funds but are not reported as revenues in the Statement of Activities	-	(16,690)
Repayment of principal is an expenditure in the governmental funds but the repayment reduces long-term liabilities in the Statement of Net Position	21,730	19,901
Change in net position of governmental activities	\$216,862	(5,541)

See accompanying notes to the basic financial statements.

NEW YORK STATE ENERGY RESEARCH AND DEVELOPMENT AUTHORITY
(A Component Unit of the State of New York)
Statement of Net Position
Proprietary Fund
March 31, 2022
(with comparative totals for March 31, 2021)
(Amounts in thousands)

	March 31, 2022	March 31, 2021
<u>ASSETS:</u>		
Current assets:		
Cash and investments	\$450,996	\$386,078
Third-party billings receivable	5	27
Interest receivable on loans	2,005	3,215
Loans and financing receivables due within one year, net	60,419	75,787
Total current assets	513,425	465,107
Non-current assets:		
Investments	-	-
Loans and financing receivables - long term, net	411,810	496,913
Loans and financing receivables - residual interest	77,360	-
Total non-current assets	489,170	496,913
Total assets	1,002,595	962,020
<u>DEFERRED OUTFLOWS OF RESOURCES:</u>		
	4,504	4,289
<u>LIABILITIES:</u>		
Current liabilities:		
Accounts payable	243	94
Accrued liabilities	484	372
Escrow deposits	201	461
Total current liabilities	928	927
Non-current liabilities:		
Net Pension / OPEB liability	(2,202)	3,930
Total non-current liabilities	(2,202)	3,930
Total liabilities	(1,274)	4,857
<u>DEFERRED INFLOWS OF RESOURCES:</u>		
	7,095	1,428
<u>NET POSITION:</u>		
Net position restricted for specific programs	\$1,001,278	960,024

See accompanying notes to the basic financial statements.

NEW YORK STATE ENERGY RESEARCH AND DEVELOPMENT AUTHORITY
(A Component Unit of the State of New York)
Statement of Revenues, Expenses and Changes in Fund Net Position
Proprietary Fund
For the year ended March 31, 2022
(with comparative totals for March 31, 2021)
(Amounts in thousands)

	<u>March 31,</u> 2022	<u>March 31,</u> 2021
<u>OPERATING REVENUES:</u>		
Closing fees	\$6,594	3,915
Undrawn fees	1,631	836
Administrative fees	488	273
Other fees	1,674	260
Loans and financing receivables interest	19,016	24,327
Provision for losses on loans and financing receivables	(5,205)	-
Loss on sale of loans and financing receivables	(13,543)	-
Total operating revenues	<u>10,655</u>	<u>29,611</u>
<u>OPERATING EXPENSES:</u>		
Salaries and benefits	8,399	8,510
Investment related expenses	454	585
Program operating costs	2,245	1,761
General & administrative expenses	2,139	1,571
Depreciation	177	147
NY State assessments	136	149
Total operating expenses	<u>13,550</u>	<u>12,723</u>
OPERATING (LOSS) INCOME	(2,895)	16,888
<u>NON-OPERATING REVENUES:</u>		
Capital contributions	44,252	336,981
Investment (loss) income	(9)	216
Total non-operating revenues	<u>44,243</u>	<u>337,197</u>
<u>NON-OPERATING EXPENSES:</u>		
Capital expansion	-	410
Program evaluation	94	45
Total non-operating expenses	<u>94</u>	<u>455</u>
Change in net position	41,254	353,630
Net position, beginning of year	<u>960,024</u>	<u>606,394</u>
Net position, end of year	<u><u>\$1,001,278</u></u>	<u><u>960,024</u></u>

See accompanying notes to the basic financial statements.

NEW YORK STATE ENERGY RESEARCH AND DEVELOPMENT AUTHORITY
(A Component Unit of the State of New York)
Statement of Cash Flows
Proprietary Fund
For the year ended March 31, 2022
(with comparative totals for March 31, 2021)
(Amounts in thousands)

	March 31, 2022	March 31, 2021
CASH FLOWS FROM OPERATING ACTIVITIES:		
Closing fees collected	\$6,594	3,930
Undrawn fees collected	1,631	786
Administrative fees collected	488	278
Other fees collected	1,674	244
Loans and financing receivables interest collected	20,162	24,338
Disbursement of escrow deposits	(260)	(1,644)
Payments to employees & employee benefit providers	(9,080)	(7,812)
Payments to suppliers	(4,668)	(3,750)
Payment for allocated depreciation	(177)	(147)
Payments to NYS	(136)	(149)
Loans and financing receivables deployed	(516,609)	(344,660)
Loans and financing receivables principal repayments	515,662	213,516
Net cash provided by (used in) operating activities	15,281	(115,070)
 CASH FLOWS FROM NON-CAPITAL FINANCING ACTIVITIES:		
Capital contributions	44,252	336,981
Capital expansion	-	(410)
Net cash provided by non-capital financing activities	44,252	336,571
 CASH FLOWS FROM INVESTING ACTIVITIES:		
Purchase of investments	(2,327,334)	(2,130,515)
Proceeds from sale of investments	2,237,507	1,936,070
Investment income	58	3,219
Net cash used in investing activities	(89,769)	(191,226)
 Net change in cash & cash equivalents		
	(30,236)	30,275
Cash and cash equivalents, beginning of year	44,806	14,531
Cash and cash equivalents, end of year	\$14,570	44,806
 RECONCILIATION OF OPERATING (LOSS) INCOME TO NET CASH PROVIDED BY (USED IN) OPERATING ACTIVITIES:		
Operating (loss) income	(\$2,895)	16,888
Adjustments to reconcile operating (loss) income to net cash provided by (used in) operating activities:		
Decrease in third party billings receivable	24	8
Decrease (increase) in interest receivable	1,207	(43)
Decrease (increase) in loans and financing receivables	17,721	(131,141)
Increase in accounts payable	149	65
Increase in accrued liabilities	111	145
Decrease in escrow deposits	(260)	(1,644)
Net change in pension & OPEB related accounts	(682)	697
Non-operating expenses unrelated to financing activities	(94)	(45)
Net cash provided by (used in) operating activities	\$15,281	(115,070)

See accompanying notes to the basic financial statements.

NEW YORK STATE ENERGY RESEARCH AND DEVELOPMENT AUTHORITY
(A Component Unit of the State of New York)
Statement of Fiduciary Net Position
March 31, 2022
(Amounts in thousands)

	<u>OPEB Trust Fund</u>	<u>Custodial Fund</u>
<u>ASSETS:</u>		
Cash and investments	\$69,454	\$43,894
Total assets	\$69,454	43,894
<u>LIABILITIES:</u>		
Accrued expenses	4	-
Payable to New York State	-	547
Escrow funds payable	-	9,815
Total liabilities	4	10,362
<u>NET POSITION:</u>		
<u>Restricted for:</u>		
Other postemployment benefits	69,450	-
Other governments and organizations	-	33,532
Total Net position	\$69,450	\$33,532

See accompanying notes to the basic financial statements.

NEW YORK STATE ENERGY RESEARCH AND DEVELOPMENT AUTHORITY
(A Component Unit of the State of New York)
Statement of Changes in Fiduciary Net Position
For the year ended March 31, 2022
(Amounts in thousands)

<u>ADDITIONS:</u>	<u>OPEB Trust Fund</u>	<u>Custodial Fund</u>
Employer contributions	\$2,148	\$ -
Utility assessments	-	2,338
Escrow deposit receipts	-	16,570
Investment (loss) income	(476)	8
Less investment management expenses	(14)	-
Net investment (loss) income	<u>(490)</u>	<u>8</u>
Total additions, net	<u>1,658</u>	<u>18,916</u>
<u>DEDUCTIONS:</u>		
Benefits	1,869	-
Reimbursements paid	-	10,643
Accrued expenses	-	6,477
Administrative fees	17	-
Total deductions	<u>1,886</u>	<u>17,120</u>
Change in net position	(228)	1,796
<u>NET POSITION:</u>		
Net position- beginning of year	<u>69,678</u>	<u>31,736</u>
Net position- end of year	<u>\$69,450</u>	<u>\$33,532</u>

See accompanying notes to the basic financial statements.

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**Notes to Basic Financial Statements
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(1) GENERAL

The New York State Energy Research and Development Authority (NYSERDA) is a public benefit corporation established in 1975 pursuant to Title 9 of Article 8 of the Public Authorities Law of the State of New York (the State). NYSEDA is included in the State's basic financial statements as a component unit. NYSEDA's significant functions and programs reported in the Statement of Activities are summarized below; those which are reported as major funds in the Governmental Fund Financial Statements are noted parenthetically.

Clean Energy Fund (CEF) Market Development/Innovation & Research (Major fund)

Pursuant to a January 2016 Order (CEF Order), the State Public Service Commission (Commission) authorized a ten-year commitment through 2025 of approximately \$5.3 billion to clean energy programs through a CEF. The CEF is designed to meet four primary objectives: greenhouse gas emission reductions; energy affordability; statewide penetration and scale of energy efficiency and clean energy generation; and growth in the State's clean energy economy. The CEF is a key vehicle to support attainment of specific, time-bounded goals for energy efficiency, zero-emissions electricity generation, and investment in disadvantaged communities as articulated in NYS' Climate Leadership and Community Protection Act.

The CEF Market Development activities are designed to ultimately reduce energy costs, accelerate customer demand, and increase private investment for energy efficiency and other behind-the-meter clean energy solutions through strategies including financial support, technical knowledge, data, education to customers and service providers, and advanced workforce training. The CEF Innovation & Research activities are designed to invest in cutting-edge technologies that will meet increasing demand for clean energy including: smart grid technology, renewables and distributed energy resources, high performance buildings, transportation, and clean tech startup and innovation development.

The CEF Order provided for a ten-year funding authorization of \$3.43 billion, as amended, for the Market Development and Innovation & Research activities. Through the Order and subsequent amendments through March 31, 2022, funding authorization has been provided to allocate \$947.1 million for NY Green Bank, \$1.53 billion for NY-Sun, and \$150.0 million for the RPS Program for a 2016 Main Tier solicitation. The NY Green Bank, and NY-Sun programs are presented as separate Programs/Functions in the financial statements as further described below.

The CEF Order authorized the continuation of previously authorized ratepayer collections for calendar years 2016 through 2024 for previous program authorizations for the New York Energy Smart, Energy Efficiency Portfolio Standard, Technology and Market Development, and RPS programs (the Previously Approved Programs).

To reimburse NYSEDA for actual CEF program expenses, the CEF Order established a "Bill-As-You-Go" (BAYG) approach for revenue collection effective January 1, 2016. Under this approach, CEF ratepayer collections are held by the electric and gas utilities and used to reimburse NYSEDA monthly, provided that the reimbursement allows NYSEDA to maintain a sufficient cash balance based on projected expenses for the subsequent two-month period, subject to the collection amounts approved in the CEF Order.

NY-Sun (Major fund)

Approved through a 2012 Commission Order, the NY-Sun program is designed to develop a sustainable and subsidy-free solar electric industry through a megawatt block approach. The NY-Sun program was initially funded through \$216 million reallocated under the Renewable Portfolio Standard (RPS) program. The CEF Order established the incremental collection schedule and reallocation of uncommitted funds to support program activities approved through the 2012 Order.

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Pursuant to May 14, 2020 and September 9, 2021 Orders, the Commission authorized the expansion of the NY-Sun program through 2025 to meet the established targets under the Climate Leadership and Community Protection Act and to develop a total of 6 gigawatt (GW) of distributed solar by 2025 by adding an additional 3 GW of distributed solar. The Orders increased NY-Sun's funding by \$573 million from existing and any future uncommitted NYSERDA ratepayer funds, and if necessary, a transfer from NY Green Bank.

Clean Energy Standard (CES) (Major fund)

Pursuant to an August 2016 and subsequent Orders, the Clean Energy Standard was established, adopting a State Energy Plan goal that 70% of New York's electricity is to be generated by renewable sources by 2030 as part of a strategy to reduce statewide greenhouse gas emissions by 40% by 2030. The CES is comprised of a series of deliberate and mandatory actions to enhance opportunities for customer choice necessary to achieve the State Energy Plan goal. The mandated actions are divided into two categories, a Renewable Energy Standard (RES) and a Zero-Emissions Credit (ZEC) requirement. The RES consists of an obligation on Load Serving Entities (LSEs) in New York State to invest in new renewable generation resources to serve their retail customers evidenced by the procurement of qualifying renewable energy credits; an obligation on distribution utilities on behalf of all retail customers to continue to invest in the maintenance of existing at-risk renewable generation attributes; and a program to maximize the value potential of new offshore wind resources. As part of the RES component of the program, NYSERDA will offer for sale to the LSEs at various times Renewable Energy Credits (RECs) produced from, and received under, contracts with qualifying renewable energy facilities to meet the LSEs' mandatory compliance requirements. Alternatively, NYSERDA may receive Alternative Compliance Payments from LSEs in lieu of their purchasing RECs from NYSERDA. The ZEC requirement consists of an obligation on LSEs in New York State to invest in the preservation of existing at-risk nuclear zero-emissions attributes to serve their retail customers, evidenced by the procurement of qualifying ZECs. As part of the ZEC component, NYSERDA provides support payments for specified nuclear generating facilities in amounts prescribed by the Commission's Order based on each facility's output. The funding for these payments is collected through ZECs sold to each LSE in amounts calculated for each LSE's proportionate share of the statewide energy load. The RES component and the ZEC component are inter-related but the goals are additive; that is, the carbon benefits of preserving the nuclear zero-emissions attributes will not count toward achieving the required number of renewable resources to satisfy the 70% by 2030 goal. The RES and ZEC components will, however, in combination, contribute toward the State's comprehensive greenhouse gas reduction goals.

NYSERDA is leading the coordination of offshore wind opportunities in New York State and is supporting the development of 9,000 megawatts of offshore wind energy by 2035 in a responsible and cost-effective manner. In July 2018, the Commission issued an Order Adopting the Offshore Wind Standard. The Offshore Wind Standard authorized solicitations by NYSERDA, in consultation with the Long Island Power Authority and New York Power Authority, for first phase of offshore wind procurements. Through March 31, 2022 NYSERDA has issued two competitive solicitations for offshore wind to stimulate the development of the domestic offshore wind industry, reduce the cost of later offshore wind procurements, and allow New York State to realize the direct benefits associated with the construction, operation, and maintenance of offshore wind resources.

An October 15, 2020 Order of the PSC established a new Tier 2 and Tier 4. The Tier 2 Maintenance program aims to provide targeted, adequate, and prudent support to New York's existing renewable resources to ensure their continued operations. Eligible Tier 2 maintenance generators include run-

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of-river hydroelectric facilities (5 MW or less) and wind resources that entered commercial operation prior to January 1, 2003. The Competitive Tier 2 program aims to maximize the contributions and potential of New York's existing renewable resources to ensure their continued operations. Eligible Competitive Tier 2 generators include existing non-state-owned run-of-river hydropower and existing wind resources located within the State that entered commercial operation prior to January 1, 2015. The new Tier 4 will increase the penetration of renewable energy into New York City, which is particularly dependent on polluting, fossil fuel-fired generation. NYSERDA will procure unbundled environmental attributes associated with renewable generation delivered into New York City. These environmental attributes include the avoidance of GHG emissions, as well as the avoidance of local pollutants such as NO_x, SO_x, and fine particulate matter.

Regional Greenhouse Gas Initiative (RGGI) (Major fund)

RGGI is an agreement among nine Northeastern and Mid-Atlantic States to reduce greenhouse gas emissions from power plants. The RGGI states (Participating States) have committed to cap and then reduce the amount of carbon dioxide that certain power plants are allowed to emit, limiting the region's total contribution to atmospheric greenhouse gas levels. The Participating States have agreed to implement RGGI through a regional cap-and-trade program whereby the Participating States have agreed to auction annual regional emissions. Rules and regulations promulgated by the NYS Department of Environmental Conservation (DEC) call for NYSERDA to administer periodic auctions for annual emissions. Pursuant to these regulations, the proceeds will be used by NYSERDA to administer energy efficiency, renewable energy, and/or innovative carbon abatement programs, and to cover the costs to administer such programs.

Green Jobs-Green New York (GJGNY) (Major fund)

GJGNY is a statewide program created by legislation enacted in October 2009 to promote energy efficiency retrofits in residential, multifamily, small business and not-for-profit buildings, and authorizes NYSERDA to establish innovative financing approaches through revolving loan funds to finance such projects. The program will also support sustainable community development and create opportunities for green jobs. The legislation funded the program with \$112.0 million from RGGI auction proceeds and restricts the use of interest earnings and revolving loan proceeds for additional programmatic spending. Through March 31, 2022 NYSERDA subsequently transferred \$154.7million in additional RGGI funds to support program activities.

Energy Analysis

Through this program, NYSERDA provides objective and credible analyses of energy issues to various stakeholders. The program also includes activities for energy-related emergency planning and response, and support for State energy planning in an effort to ensure a secure, reliable energy supply. These program activities are funded primarily by a State assessment on the intrastate gas and electricity sales of the State's investor-owned utilities.

Furthermore, Energy Analysis staff provide oversight activities pursuant to the State Low-Level Radioactive Waste (LLRW) Management Act of 1986, whereby NYSERDA is responsible for ultimately constructing and operating the State's LLRW disposal facilities, collecting information, and providing regular reports to the Governor and Legislature on LLRW generation in the State. These activities are funded annually by State appropriations through a sub-allocation from the New York State Department of Health.

NYSERDA is also responsible for the coordination of nuclear material matters, including serving as the State liaison with the Nuclear Regulatory Commission.

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West Valley

NYSERDA manages, on behalf of the State, the Western New York Nuclear Service Center (West Valley), which is the site of a former plant for reprocessing used nuclear fuel. Through 1972, the former plant operator, Nuclear Fuel Services, Inc., generated as a by-product of its reprocessing operations, more than 600,000 gallons of liquid, high-level radioactive waste, which was stored at the site. In 1980, Congress enacted the West Valley Demonstration Project Act (West Valley Act). Pursuant to the West Valley Act, the U.S. Department of Energy (DOE) is carrying out a demonstration project to: (1) solidify the liquid high-level radioactive waste at West Valley; (2) transport the solidified waste to a permanent federal repository; and (3) decontaminate and decommission the reprocessing plant and the facilities, materials, and hardware used in the project.

NYSERDA also maintains, on behalf of the State, the State-Licensed Disposal Area (SDA), which is a shut-down commercial low-level radioactive waste disposal facility at West Valley. NYSERDA is evaluating how to remediate and close this facility in accordance with regulatory requirements.

Other

Other represents an aggregate of smaller Programs/Functions. These activities are primarily funded through Commission Orders, Memorandums of Understanding with various utilities pursuant to Commission Orders, various third-party reimbursement agreements, and federal energy grants.

NY Green Bank

NY Green Bank, a division of NYSERDA accounted for as a proprietary fund, is a state-sponsored, specialized financial entity working in partnership with the private sector to increase investments into New York's clean energy markets, creating a more efficient, reliable, and sustainable energy system. NY Green Bank's mission is to accelerate clean energy deployment in New York State by working in partnership with the private sector to transform financing markets.

To date, NY Green Bank has participated in transactions by providing: construction and longer-term post-construction financing and investment, financing to enable developers to aggregate smaller distributed assets into portfolios at scale, and credit enhancements. It has also successfully monetized the loan portfolio in order to recycle capital faster and thus accelerate energy efficiency and clean energy improvements without requiring an additional infusion of government funding.

NY Green Bank works to increase the size, volume, and breadth of clean energy investment activity throughout the State, expand the base of investors focused on New York State clean energy, and increase clean energy participants' access to capital. To do so, NY Green Bank collaborates with the private sector to develop transaction structures and methodologies that overcome typical clean energy investment barriers, such as challenges in evaluating risk and addressing the needs of distributed energy and efficiency projects where underwriting may be geared more towards larger and/or groups of somewhat homogeneous investment opportunities.

NY Green Bank focuses on opportunities that create attractive precedents, standardized practices, and roadmaps that capital providers can willingly replicate and scale. As funders "crowd in" to a particular area within the clean energy landscape, NY Green Bank moves on to other areas that have attracted less investor interest.

As a key component of New York's CEF, NY Green Bank is structured to be self-sustaining in that it must ultimately cover its own costs of operation, and in the fiscal year just closed it has attained that goal.

Pursuant to various Orders of the Commission, the Commission authorized a total of \$1 billion in funded capitalization for NY Green Bank which was fully collected as of March 31, 2022.

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**Notes to Basic Financial Statements
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(2) SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

(a) Basis of presentation

The basic financial statements include government-wide financial statements, governmental fund financial statements, proprietary fund financial statements, and fiduciary fund financial statements. The government-wide financial statements report information on governmental and business-type activities, and consist of a Statement of Net Position and a Statement of Activities. These statements exclude information about fiduciary activities where NYSERDA holds assets in a trustee or agency capacity for others since such assets cannot be used to support NYSERDA's own programs.

Net position classifications used in the government-wide financial statements are as follows:

- Net investment in capital assets – amount of capital assets, net of accumulated depreciation, reduced by the outstanding balances of debt attributable to the acquisition, construction, or improvement of those assets, and deferred outflows of resources less deferred inflows of resources, that are attributable to the acquisition, construction, or improvement of those assets or related debt, excluding any significant unspent related debt proceeds or deferred inflows of resources
- Restricted for specific programs – amount of restricted assets and deferred outflows of resources reduced by liabilities and deferred inflows of resources related to those assets
- Unrestricted – amount of assets, deferred outflows of resources, liabilities, and deferred inflows of resources that are not included in the determination of Net investment in capital assets or the Restricted for specific programs components of net position

The governmental fund financial statements report governmental activities and consist of a Balance Sheet and a Statement of Revenues, Expenditures, and Changes in Fund Balances. The funds presented in the governmental funds financial statements are categorized as either major or non-major funds (the latter are aggregated within "Other") as required by U.S. generally accepted accounting principles (U.S. GAAP).

Fund balance classifications used in the governmental fund financial statements are as follows:

- Nonspendable – amounts that cannot be spent because they are not in spendable form
- Restricted – amounts with constraints placed on the use of resources that are legally imposed by creditors, grantors, contributors, or laws or regulations of other governments that may be imposed by law through constitutional provisions or enabling legislation
- Committed – amounts that can only be used for specific purposes pursuant to constraints imposed by formal action of the government's highest level of decision making. Amounts cannot be used for any other purposes unless the government removes the specified use
- Assigned – amounts are constrained by the government's intent to be used for specific purposes, but are neither restricted or committed
- Unassigned – residual balance is the amount not meeting other fund balance classifications

NYSERDA had no Committed or Assigned Fund Balances as of March 31, 2022.

NYSERDA administers certain programs on behalf of the Commission and others whereby the terms of the program sponsor or enabling legislation limit the use of funds to certain program purposes, and as such, the funds are reported as restricted. Since NYSERDA has multiple constraints on its resources, restricted funds are considered spent first, committed funds second, assigned funds third, and unassigned funds last.

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The proprietary fund financial statements, based on an enterprise type fund, report business-type activities for which a fee is charged to external users for goods or services, and consist of a Statement of Net Position; a Statement of Revenues, Expenses and Changes in Fund Net Position; and a Statement of Cash Flows. NY Green Bank is presented in the proprietary fund financial statements.

The fiduciary fund financial statements report assets held by NYSERDA in a fiduciary capacity for others and consist of a Statement of Fiduciary Net Position and Statement of Changes in Fiduciary Net Position. NYSERDA's fiduciary funds include: (1) funds held for reimbursement to the State for costs associated with the Low-Level Radioactive Waste Management Act of 1986; (2) funds that, pursuant to a Cooperative Agreement, must be turned over to the U.S. Department of Energy upon delivery of the solidified high-level radioactive waste from West Valley to a permanent federal disposal repository to provide for perpetual care and management of the waste; (3) funds established pursuant to the 2017 Indian Point closure agreement for community and environmental benefit that must be transferred to recipients of awards of these funds upon the execution of cooperative contracts; (4) funds established by the Office of Renewable Energy Siting through collection of permit application fees for construction and operation of major renewable energy facilities, held for reimbursement to local agencies and potential community intervenors for costs related to the application review process; and (5) funds held in an irrevocable trust maintained by a third-party trustee to receive employer contributions for NYSERDA's health insurance premiums for benefits provided to NYSERDA employees and/or their eligible spouses and dependent children after active employment ends (postemployment).

The basic financial statements include certain prior-year summarized comparative information in total, but not by separate governmental activities and major funds. Such information does not include sufficient detail to constitute a presentation in conformity with GAAP. Accordingly, such information should be read in conjunction with NYSERDA's financial statements as of and for the year ended March 31, 2021, from which the summarized information was derived.

(b) Basis of accounting

The government-wide financial statements are prepared using the economic resources measurement focus and accrual basis of accounting, as are the proprietary fund and the fiduciary fund financial statements. Revenues resulting from exchange transactions are recognized when the exchange takes place. Revenues resulting from non-exchange transactions, such as program funding in the form of grants, contributions, utility surcharge assessments, and State appropriations, are recognized when all eligibility requirements (if any) have been met. Resources received in advance of meeting all eligibility requirements are recorded as unearned revenue. Expenses in the government-wide financial statements are recognized when incurred. NYSERDA's administrative overhead charges are included as program direct expenses in the Statement of Activities.

Financial statements for governmental funds are presented using the current financial resources measurement focus and the modified accrual basis of accounting. Under the modified accrual basis of accounting, revenues are recorded when they become measurable and available (expected to be collected in the next 12 months) and have met eligibility requirements (if any). Expenditures, rather than expenses, are recognized in governmental fund financial statements. Only transactions that require the use of current financial resources are recognized. Expenses related to non-current liabilities are not recorded; however, certain expenses that are recognized over time in the government-wide financial statements are recognized as expenditures in the governmental fund financial statements in the period in which the underlying transaction takes place.

The governmental fund financial statements include a reconciliation of total fund balance and the changes therein, to total net position and the changes therein that are reflected in the government-wide financial statements. The reconciling items are the result of the above described differences in

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measurement focus and basis of accounting.

(c) Indirect cost allocation method

NYSERDA incurs certain indirect costs (e.g., administrative salary expense, fringe benefit expense, and general and administrative expense) that are not directly associated with a specific function/program. Therefore, these costs are allocated in proportion to direct salary expenses of each NYSERDA function/program, including NY Green Bank. Net pension liability and OPEB liability/(asset) are also allocated proportionately to NY Green Bank, as required for Proprietary funds.

(d) Investments

Investments are recorded at fair value, which reflects quoted market prices for U.S. government obligations, mutual funds, and exchange-traded funds.

(e) Loans and financing receivables

Loans and financing receivables are recorded at their cost basis, less any provision for losses. For NY Green Bank, a provision for losses is established on any individual loan and financing receivable which: (i) is delinquent by more than 120 days on payment of principal or interest obligations; and (ii) indicates a deficiency in the present value of expected cash flows discounted at its effective interest rate, or a deficiency in the valuation of its collateral, as compared to its outstanding balance plus any accrued interest receivable. For the GJGNY program, an allowance for doubtful accounts is recorded at the amount of the outstanding principal balance of all loans over 120 days past due.

NY Green Bank applied GASB No. 48, *Sales and Pledges of Receivables and Future Revenues and Intra-entity Transfers of Assets and Future Revenues* to a transaction occurring in the year ended March 31, 2022, accounting for the transfer involved as a sale of loans as further described in footnote 5. A residual interest asset for the deferred purchase price was recorded, with re-valuation of that asset as of March 31, 2022 and an adjustment of the asset recognized.

(f) Capital assets

Assets with a cost of more than \$2,500 and an estimated useful life in excess of two years are capitalized and reported at historical cost in the government-wide financial statements. Depreciation is calculated using the straight-line method over the estimated useful life of the capital assets, which ranges from three to fifty years and is reported in the government-wide and proprietary fund financial statements. Capital asset purchases are recorded as expenditures in the governmental funds financial statements.

(g) Unearned revenue

Unearned revenue consists of funds received or receivable in advance of revenue recognition conditions having been met for the underlying exchange transactions.

(h) Deferred outflows of resources and deferred inflows of resources

Deferred outflows of resources as presented in the government-wide and proprietary fund financial statements represent a consumption of net assets applicable to a future reporting period. Deferred inflows of resources as presented are defined as an acquisition of net assets applicable to a future reporting period. Deferred outflows of resources and deferred inflows of resources include differences between expected projected results and actual results related to NYSERDA's net pension liability and net OPEB liability/(asset), as well as contributions subsequent to the measurement date for each post-retirement/post-employment benefit plan. Deferred outflows of resources and deferred inflows of resources are also allocated proportionately to NY Green Bank, as required for Proprietary funds.

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(i) Vacation and sick leave

NYSERDA employees are granted vacation and sick leave in varying amounts. In the event of termination or retirement, an employee is reimbursed for accumulated vacation leave up to the equivalent of 45 days, and sick leave up to a maximum of five days. Retired employees may use additional accumulated sick leave to pay for the employee share of health insurance premiums.

NYSERDA's accrual for compensated absences, as reported in the government-wide financial statements within other non-current liabilities, includes fringe benefits on compensated absences and estimated costs to use employee sick leave for post-retirement health benefits. Compensated absences are not accrued in the governmental funds financial statements.

(j) NY State assessments

NY State assessments for the year ended March 31, 2022 consisted of \$12.7 million in fees assessed by the State under Section 2975 of the Public Authorities Law (Governmental Cost Recovery System) for general governmental services, and \$0.9 million paid to the State under a budget bill pursuant to Article VII of the New York State Constitution.

(k) Use of estimates

The preparation of financial statements in conformity with U.S. GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingencies. Estimates also affect the reported amounts of revenues and expenditures / expenses during the reporting period. Actual results could differ from those estimates.

(l) Income taxes

NYSERDA is a component unit of the State and therefore is generally exempt from federal, state, and local income taxes.

(m) Reclassifications

Certain amounts reported as of and for the fiscal year ended March 31, 2021 have been reclassified to conform with the amounts presented as of and for the fiscal year ended March 31, 2022.

(3) CASH AND INVESTMENTS

Pursuant to Public Authorities Law Section 1859(1), the Commissioner of the New York State Department of Taxation and Finance (Fiscal Agent) serves as fiscal agent for NYSERDA's cash and investments, maintaining such funds on NYSERDA's behalf and implementing investments subject to the Fiscal Agent's policies and with direction and authorization from NYSERDA. NYSERDA has a written investment policy that applies to all of its investments. The policy permits deposits with financial institutions approved by the Fiscal Agent and permits investments in certificates of deposit of bank or trust companies located in New York State, obligations of New York State and the United States government and certain of their agencies, repurchase agreements subject to certain limitations, and money market funds subject to certain limitations.

Cash and investments of the OPEB Trust are held with the Bank of New York Mellon Trust Company. All OPEB Trust investments are made consistent with the investment policy based on target percentages established for each asset class.

The following schedule presents cash and investments as of March 31, 2022. Fair value is measured using quoted market prices for U.S. government obligations, mutual funds, and exchange traded funds. GASB Statement No. 72, *Fair Value Measurement and Application*, prescribes three approaches to measuring fair value and requires a government to use valuation techniques consistent with one or more of these approaches. The standard establishes a fair value hierarchy that categorizes the inputs to valuation techniques used to measure fair value into three levels. Level

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1 inputs are quoted prices (unadjusted) for identical assets or liabilities in active markets that a government can access at the measurement date. Level 2 inputs are inputs—other than quoted prices included within Level 1—that are observable for an asset or liability, either directly or indirectly. Level 3 inputs are unobservable inputs for an asset or liability. The fair value hierarchy gives the highest priority to Level 1 inputs and the lowest priority to Level 3 inputs. All NYSERDA investments are valued based on Level 1 inputs.

	Fair Value (Amounts in thousands)	% of Total	Weighted Average Maturity (months)
<u>Governmental funds</u>			
Cash and cash equivalents	\$78,706	9.3	n/a
U.S. Treasury Bills	<u>769,885</u>	<u>90.7</u>	<u>3.2</u>
Total	<u>\$848,591</u>	<u>100.0</u>	<u>2.9</u>
Current portion thereof	<u>\$848,591</u>		
<u>Proprietary fund</u>			
Cash and cash equivalents	\$14,570	3.2	n/a
U.S. Treasury Bills	<u>436,426</u>	<u>96.8</u>	<u>2.4</u>
Total	<u>\$450,996</u>	<u>100.0</u>	<u>2.3</u>
Current portion thereof	<u>\$450,996</u>		
<u>Fiduciary funds</u>			
Cash and equivalents	\$10,485	9.2	n/a
Mutual funds	50,071	44.2	n/a
Exchange traded funds	19,142	16.9	n/a
U.S. Treasury Bills	<u>33,650</u>	<u>29.7</u>	<u>1.4</u>
Total	<u>\$113,348</u>	<u>100.0</u>	<u>1.4</u>

Interest Rate Risk. NYSERDA's investment policy limits investment maturities to no longer than five years as a means of managing its exposure to fair value losses arising from increasing interest rates. Investment maturities are selected based on anticipated cash flow needs.

The OPEB Trust's risk tolerance is understood by the Plan Administrator such that achieving the Plan's investment objectives is not guaranteed and there will be time periods for which these objectives will not be met. The Plan Administrator also recognizes that some risk must be assumed to achieve the Trust's long-term investment objectives and accepts the inevitable fluctuations in returns that will occur. While it is understood that a certain level of risk is expected in the Trust's portfolio, the ability to withstand short and intermediate term variability was specifically considered in the development of the Investment Policy Statement risk tolerances. The debt instruments held within the above table's Mutual funds and Exchange traded funds are shown in the below table.

Credit Risk. Money market fund investments consist of non-rated funds whose investments are restricted to U.S. government obligations. As of March 31, 2022, debt instruments other than those of the U.S. government were held only by the OPEB Trust and were as follows:

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<u>Investment type</u>	<u>Investment policy range (% of portfolio)</u>	<u>Fair Value (Amounts in thousands)</u>	<u>Morningstar 5- star rating scale rating</u>
<i>Mutual funds:</i>			
Short term bonds	1%-6%	\$3,500	5
Intermediate term bond	9%-19%	\$13,192	5
Inflation protected securities	5%-15%	\$7,753	5
Long term bond	1%-11%	\$537	5
High yield bond	7%-17%	\$11,920	4
Global bond	1%-6%	\$687	5

Morning star is not a credit agency, their rating is a measure of the fund's risk-adjusted return relative to similar funds. Funds are rated one to five stars with the strongest performers receiving five stars.

Concentration of Credit Risk. NYSERDA's investment policy limits investments with any single eligible banking institution to no more than 35% of its total investment portfolio, except as otherwise required by any policies and practices of the Fiscal Agent. As of March 31, 2022, NYSERDA did not have any investments with institutions that were individually in excess of 5% of total investments.

The OPEB Trust's investment policy places limitations on the concentration of investments in certain industries, with certain companies, and among asset classes and within investment policy ranges.

Custodial Credit Risk for Deposits. Deposits are exposed to custodial credit risk if the deposits are not covered by depository insurance or deposits are uncollateralized, collateralized with securities held by the pledging financial institution, or collateralized with securities held by the pledging institution's trust department or agent, but not in the name of NYSERDA.

In accordance with existing policies and procedures, the Fiscal Agent of NYSERDA monitors deposit balances for the purpose of determining collateralization levels. Collateral sufficient to cover all uninsured deposits is held at the Department's custodial bank.

Custodial Credit Risk for Investments. Investment securities are exposed to custodial credit risk if the securities are uninsured, are not registered in the name of NYSERDA, and are held either by the counterparty or the counterparty's trust department or agent, but not in the name of NYSERDA.

Fixed income investments owned directly by NYSERDA, which trade in the U.S. markets, are held at NYSERDA's Fiscal Agent's custodian, in separate accounts, in the name of the Comptroller of the State of New York in Trust for NYSERDA. These securities are typically held in electronic form through the Federal Book Entry System and by the Depository Trust Company (DTC) and its subsidiaries acting as an agent of NYSERDA's Fiscal Agent's custodian bank.

Foreign Currency Risk. As of March 31, 2022, only the OPEB Trust portfolio (reported within Fiduciary funds) holds foreign investments. Foreign mutual fund holdings, which are U.S. dollar denominated, at March 31, 2022 were \$22.3 million (comprised of \$21.6 million of equity funds and \$0.7 of fixed income funds).

(4) RECEIVABLE FROM NEW YORK STATE

As of March 31, 2022, the amount due from New York State is \$1.7 million, which represents appropriation and grant receivables.

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(5) LOANS AND FINANCING RECEIVABLES

Loans receivable exist under the Green Jobs-Green New York program to finance energy efficiency retrofits and renewable energy system installments in residential, multifamily, small business, and not-for-profit buildings. The residential component, and certain small business/not-for-profit loans, offers loans originated by a third-party loan originator using pre-established loan underwriting criteria, which are funded by NYSERDA and serviced by a third-party loan servicer. Multifamily and small business/not-for-profit loans are provided through participating lenders with NYSERDA providing 50% of the principal, subject to certain limits.

For the fiscal years ended March 31, 2022 and March 31, 2021, provision for losses were \$1.7 million and \$1.8 million, respectively, and are included in Program/Current expenditures, respectively, for the Program/Major Fund.

NY Green Bank loans and financing receivables consist of sustainable infrastructure investments made by it into eligible technologies, consistent with its mission and investment criteria. These loans and financing transactions aim to mobilize private sector capital during the lifecycle of each investment, accelerate the deployment of economically and technically feasible clean energy projects in the State, provide financial returns to NY Green Bank, and contribute to New York's clean energy policy outcomes. NY Green Bank offers the following categories of capital solutions: construction finance, construction finance & term loan, term loans & investments (which may be debt or equity), warehousing/aggregation, and credit enhancements. NY Green Bank prices its products to reflect its credit underwriting, its risk position in the capital structure and pricing for comparable transactions, as well as internal portfolio return needs taking into account current market rates as well as commercial expectations of rates.

For the fiscal year ended March 31, 2022, a provision for losses of \$5.2 million was recognized by NY Green Bank for a specific loan. No provision had been recognized in the year ended March 31, 2021. The provision is reflected as a reduction of Loans and financing receivables interest on the Statement of Activities.

Loans and financing receivables at March 31, 2022 include the following:

	<i>(Dollar amounts in thousands)</i>	
	Number of loans and financing receivables	Loans and financing receivables Outstanding
<u>Governmental activities/funds</u>		
Residential	26,339	\$201,024
Small Business/Not-for-Profit	54	1,245
Other	<u>12</u>	<u>4,632</u>
Total governmental activities/funds	<u>26,393</u>	206,901
Allowance for doubtful accounts		<u>(10,121)</u>
Net total governmental activities/ funds		<u>\$196,780</u>
<u>Business-type activities/proprietary fund</u>		
Construction Finance	7	\$34,421
Construction Finance & Term Loan	13	242,269
Term Loans & Investments	19	130,355
Warehousing/Aggregation	<u>4</u>	<u>70,389</u>
Total business-type activities/proprietary fund	<u>43</u>	477,434
Allowance for doubtful account		<u>(5,205)</u>
Net business-type activities/proprietary fund		<u>\$472,229</u>

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Loans and financing receivables at March 31, 2022 mature as follows:

(Amounts in thousands)

Fiscal year ending <u>March 31,</u>	Residential Energy <u>Efficiency</u>	Small Business/ <u>Not-for- Profit</u>	<u>Other</u>	<u>Total</u>
2023	\$18,292	245	-	18,537
2024	19,449	220	4,632	24,301
2025	18,033	218	-	18,251
2026	18,348	193	-	18,541
2027	18,560	140	-	18,700
2028-2032	80,616	229	-	80,845
2033-2037	27,674	-	-	27,674
2038-2041	<u>52</u>	<u>-</u>	<u>-</u>	<u>52</u>
Total governmental activities/funds	<u>\$201,024</u>	<u>1,245</u>	<u>4,632</u>	<u>206,901</u>

Business-type activities/proprietary fund

Fiscal year ending <u>March 31,</u>	Construction <u>Finance</u>	Construction Finance & <u>Term Loan</u>	Term Loan & <u>Investments</u>	Warehousing <u>/Aggregation</u>	<u>Total</u>
2023	\$14,214	24,998	9,675	16,737	65,624
2024	1,585	27,012	7,236	15,272	51,105
2025	-	27,021	12,812	38,380	78,213
2026	-	27,031	24,311	-	51,342
2027	10,695	27,328	947	-	38,970
2028-2032	7,927	61,922	22,190	-	92,039
2033-2037	-	<u>46,957</u>	<u>53,184</u>	-	<u>100,141</u>
Total business-type activities/ proprietary fund	<u>\$34,421</u>	<u>242,269</u>	<u>130,355</u>	<u>70,389</u>	<u>477,434</u>

Loans and Financing Receivables - Residual Interest

In July 2021, as part of a planned initiative to monetize existing assets to allow capital to be accessible faster and thus allow more productive near-term use, NY Green Bank entered into a transaction to transfer its interest in a defined portfolio of loans to a third party. This transaction resulted in an upfront collection of cash plus rights to any residual payments, net of known transaction fees, including a residual value adjustment due to pre-payments occurring faster than modeled, and other factors. Pursuant to a Receivable Purchase Agreement, NY Green Bank relinquished its title and interest in the underlying loans to the third party, as purchaser. NY Green Bank has no obligation to provide payment to the third party from any other source if the borrowers are unable to make payments on the loans. NY Green Bank applied GASB No. 48, *Sales and Pledges of Receivables and Future Revenues and Intra-entity Transfers of Assets and Future Revenues* and accounted for the transfer as a sale of loans. Based on the terms of the transaction, NY Green Bank received \$313.7 million up front in addition to deferred compensation (the "Residual Interest", or "Deferred Purchase Price"), representing the remaining principal and interest payments when the initial advance has been fully satisfied by cash flows from loan principal and interest payments. The principal value of the loans and accrued interest at closing was \$379.1 million and a deferred purchase price asset was recognized at closing, which totaled \$64.5 million. Fees and related closing costs incurred related to the transaction were recognized totaling \$7.8 million. The deferred purchase price recognized at closing was initially based on fair value, which was measured using direct and indirect observable inputs (level 2), including market interest rates, contractual cash

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flows, and credit risk. Subsequent to closing, including in future accounting periods, the deferred purchase price will be adjusted if indicators of impairment exist and the value is determined to have decreased. In addition, during the year ended March 31, 2022, NY Green Bank made incremental contractually required funding of loan facilities, which increased the deferred purchase price by \$18.8 million. During the fiscal year ended March 31, 2022, as a result of loan pre-payments and other factors, an unrealized loss of \$5.7 million was recognized to reduce the value of the deferred purchase price. In connection with the Receivable Purchase Agreement, NY Green Bank will provide certain loan servicing activities for 0.5% of the average outstanding value of the loan portfolio.

(6) OTHER ASSETS

As of March 31, 2022, the other assets balance of \$16.5 million principally represents the lower of cost or market value of the Upstate and Downstate New York State Strategic Gasoline Reserves, which were established to provide an emergency supply of finished motor gasoline in case of a significant disruption to petroleum fuels supply or distribution.

(7) CAPITAL ASSETS

Capital asset activity for the year ended March 31, 2022 was as follows:

(Amounts in thousands)

	<u>Beginning Balance</u>	<u>Additions</u>	<u>Retirements/ Reclasses</u>	<u>Ending Balance</u>
Land	\$685	-	-	685
Land improvements	5,844	-	-	5,844
Buildings	8,931	-	-	8,931
Machinery and equipment	21,135	1,356	(111)	22,380
Leasehold improvements	<u>3,110</u>	<u>133</u>	-	<u>3,243</u>
	39,705	1,489	(111)	41,083
<u>Less accumulated depreciation for:</u>				
Land Improvements	(2,395)	(201)	-	(2,596)
Buildings	(6,104)	(269)	-	(6,373)
Machinery and equipment	(17,181)	(1,862)	111	(18,932)
Leasehold improvements	<u>(1,555)</u>	<u>(251)</u>	-	<u>(1,806)</u>
	<u>(27,235)</u>	<u>(2,583)</u>	<u>111</u>	<u>(29,707)</u>
Capital assets, net	<u>\$12,470</u>	<u>(1,094)</u>	=	<u>11,376</u>

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(8) NON-CURRENT LIABILITIES

Non-current liability activity for the year ended March 31, 2022 was as follows:

(Amounts in thousands)

	<u>Beginning Balance</u>	<u>Additions</u>	<u>Reductions</u>	<u>Ending Balance</u>	<u>Amounts Due within One Year</u>
<u>Governmental activities</u>					
Compensated absences	\$11,119	5,826	(4,878)	12,067	5,690
Bonds payable	117,687	-	(21,730)	95,957	8,325
Net pension liability	24,388	18,580	(42,637)	331	-
Net OPEB liability (asset)	<u>862</u>	<u>3,347</u>	<u>(16,206)</u>	<u>(11,997)</u>	<u>-</u>
Non-current liabilities	<u>\$154,056</u>	<u>27,753</u>	<u>(85,451)</u>	<u>96,358</u>	<u>14,015</u>
<u>Business-type activities</u>					
Net pension liability (asset)	\$3,796	3,030	(7,056)	(230)	-
Net OPEB liability (asset)	<u>134</u>	<u>275</u>	<u>(2,381)</u>	<u>(1,972)</u>	<u>-</u>
Non-current liabilities	<u>\$3,930</u>	<u>3,305</u>	<u>(9,437)</u>	<u>(2,202)</u>	<u>-</u>

Bonds payable includes various bonds issued and secured by loan repayments from loans issued under the GJGNY program. Following is a schedule of bonds issued and outstanding at March 31, 2022:

(Amounts in thousands)

	<u>Principal Balance Outstanding</u>	<u>Final Maturity Date</u>	<u>Interest Rate</u>
Residential Energy Efficiency Financing Revenue Bonds, Series 2013A	\$8,880	July 1, 2028	3.2% to 4.1%
Series 2015A	27,310	July 1, 2030	2.9% to 3.8%
Series 2016A	15,695	July 1, 2031	1.9% to 2.8%
Residential Solar Loan Revenue Bonds, Series 2015	12,537	March 1, 2027	4.6% to 4.9%
Residential Solar Financing Green Revenue Bonds, Series 2018A	9,665	April 1, 2034	3.4% to 4.8%
Residential Solar and Energy Efficiency Financing Green Revenue Bonds, Series 2019A	8,780	April 1, 2035	3.3% to 4.6%
Residential Solar and Energy Efficiency Financing Green Revenue Bonds, Series 2020A	<u>13,090</u>	October 1, 2036	1.6% to 3.4%
Total	<u>\$95,957</u>		

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The Series 2013A, Series 2015A, and Series 2016A Bonds were issued under a master Indenture of Trust (Indenture), as supplemented, which requires that NYSERDA maintain cash and future scheduled pledge loan payments in each bond year of not less than 110% of annual debt service for each series of bonds. Payment of principal and interest on the Series 2013A bonds are guaranteed by the New York State Environmental Facilities Corporation (EFC) through the Clean Water State Revolving Fund (SRF). The Residential Energy Efficiency Financing Revenue Bonds Series 2015A and Series 2016A were issued to EFC in connection with SRF bonds issued by EFC. The Series 2015A bonds include an interest subsidy credit from EFC provided compliance with provisions of the EFC financing agreements. Under the terms of agreements with EFC, NYSERDA has on deposit with an escrow agent as of March 31, 2022, approximately 3.1 million in a Collateral Reserve Account, which may be used by EFC to fund or reimburse its guarantee. Any funds held by the Trustee under the Indenture may be withdrawn by NYSERDA provided that cash and scheduled pledged loan payments are not less than 120% of annual debt service and provided that the balance of the Collateral Reserve Account and any Debt Service Reserve Fund are not less than 15% of aggregate bonds outstanding under the Indenture.

Bonds payable also includes Residential Solar Loan Revenue Bonds (Series 2015). The bonds are secured with a pledge of payments from consumer loans issued through the GJGNY program to finance the installation of residential photovoltaic systems (Solar Loans) in an amount which provides scheduled debt service coverage of 125% based on a 15 year structuring amortization schedule. The bonds originally included a variable rate component, but pursuant to the terms of the borrowing, pledged Solar Loan payments received in excess of structuring scheduled payments were applied on a quarterly basis first to the redemption of outstanding variable rate bonds, and then to outstanding fixed rate bonds, and as of March 31, 2022 no variable rate principal balance remained outstanding. The remaining principal outstanding bears interest at a fixed rate determined at the time each series was issued, and mature approximately 10 years from the date issued, ranging from March 1, 2026 to March 1, 2027.

Also included in Bonds Payable are Residential Solar Loan Revenue Bonds (Series 2018) issued to finance or refinance loans residential solar loans for under the GJGNY program for one to four family residential structures. The Series 2018A Bonds are payable solely from and secured by Pledged Loan Payments held by the Trustee under the Indenture and all money, revenues and receipts to be received under the Indenture.

Bonds Payable further includes Residential Solar and Energy Efficiency Financing Green Revenue Bonds (for Series 2019A and Series 2020A). The Series 2019A and 2020A Bonds are payable solely from and secured by the Pledged Revenues pursuant to the Indenture of Trust.

For each of the Series of bonds outstanding at March 31, 2022, failure of the Authority to cause to be made by the Trustee, the scheduled payment of principal and/or interest amounts still outstanding at such maturity date, would result in the Authority becoming responsible for, but only from pledged loan payments, all reasonable collection and similar fees, plus interest on overdue installments of interest at the rate borne by the Bonds. The remedy of acceleration shall not be available to the Owners of the bonds.

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As of March 31, 2022, maximum future debt service requirements of the bonds are:

(Amounts in thousands)

Fiscal year ending <u>March 31,</u>	<u>Bonds payable</u>		
	<u>Principal</u>	<u>Interest</u>	<u>Total</u>
2023	\$8,325	2,919	11,244
2024	10,440	2,701	13,141
2025	9,995	2,431	12,426
2026	9,770	2,158	11,928
2027	22,037	1,700	23,737
2028-32	26,360	3,385	29,745
2033-37	<u>9,030</u>	<u>1,261</u>	<u>10,291</u>
Total	<u>\$95,957</u>	<u>16,555</u>	<u>112,512</u>

In the above table, certain bonds with principal payments that are dependent on the amount of pledged loan receipts are shown in the period in which final maturity of such amounts occur, though pre-payment without penalty could occur. In addition, interest payments for those same bonds include the maximum amount assuming no principal pre-payments are made.

(9) RETIREMENT PLAN

There are two retirement plans for NYSERDA employees: the New York State and Local Retirement System (the System), and the New York State Voluntary Defined Contribution Plan (VDC). Nearly all employees of NYSERDA participate in one of these two plans.

The System is a cost-sharing, multiple-employer, defined benefit public employee retirement plan. The State Comptroller is sole trustee and administrative head of the System. The System issues a publicly available financial report including financial statements and required supplementary information located on the Internet at <https://www.osc.state.ny.us/files/retirement/resources/pdf/financial-statements-2021.pdf> or by writing to the New York State and Local Retirement System, 110 State Street, Albany, New York 12244. The System provides retirement benefits, as well as death and disability benefits. Retirement benefits are established by the New York State Retirement and Social Security Law. Retirement benefits, contributory requirements and vesting depend on the point in time at which an employee first joined the System (membership "tier"). Members of the System who joined before July 27, 1976 are enrolled in a noncontributory plan; NYSERDA contributes the entire amount determined to be payable to the System for those members. Personnel who joined the System after July 27, 1976 through January 1, 2010 and who have less than 10 years of accredited service are required by law to contribute three percent of their gross salary; NYSERDA contributes the balance payable to the System during that period, and the full amount determined to be payable thereafter. Members who joined the System between January 1, 2010 and March 31, 2012 contribute three percent of their gross salary during the full term of employment. Members who joined the System after April 1, 2012 contribute between three percent and six percent, depending on their salary, during the full term of employment. Retirement benefits vest after five to 10 years of accredited service, depending on the applicable tier.

As of the fiscal years ended March 31, 2022 and 2021, NYSERDA's proportionate share of the System's net pension liability was approximately 0.10% and 0.11%, respectively, determined based on the ratio of NYSERDA's total projected long-term contributions to the total System projected long-term contributions from all employers. NYSERDA, in turn, allocated a share of its pension liability and deferred outflows and deferred inflows to NY Green Bank, its proprietary fund, based on a proportional allocation methodology using direct salary expenses. The governmental activities

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represent approximately 86% and the proprietary fund represents approximately 14% of the proportionate share of the balances of System pension-related amounts consistent with NYSERDA's current allocation methodology. NYSERDA's net pension liability, which includes that of NY Green Bank, is as follows:

	<i>(Amount in thousands)</i>
Measurement date	03/31/2021
Actuarial valuation date	04/01/2020
Net pension liability	\$101

The significant actuarial assumptions included in the actuarial valuation included an inflation factor of 2.7%, projected salary increases of 4.4%, and investment rate of return of 5.9%. The System also assumed a COLA of 1.4% annually. Annuitant mortality rates are based on the System's 2020 experience study of the period April 1, 2015 – March 31, 2020, with adjustments for mortality improvements based on Society of Actuaries Scale MP-2020. The discount rate used to calculate the total pension liability was 5.9%. For purposes of measuring the net pension liability, deferred outflows of resources and deferred inflows of resources related to NYSERDA's participation in the System, as well as the related pension expense, information about the fiduciary net position of the System, and additions to/deductions from NYSERDA's fiduciary net position, have been determined on the same basis as they are reported by the System. For this purpose, benefit payments (including refunds of employee contributions) are recognized when due and payable in accordance with the statutes governing the System. Investments are reported at fair value.

Pension expense for the fiscal year ended March 31, 2022 was \$1.9 million. NYSERDA's contribution to the System for the fiscal year ended March 31, 2022 was \$4.4 million, representing 100% of the required contribution.

The following table portrays the sensitivity of NYSERDA's proportionate share of the net pension liability due to changes in the discount rate:

	<i>(Amounts in thousands)</i>		
	1% Decrease (4.9%)	Current Discount Rate (5.9%)	1% Increase (6.9%)
<u>Governmental activities</u>			
Net pension liability/(asset)	\$24,026	\$331	(\$21,991)
<u>Business type-activities/proprietary fund</u>			
Net pension liability/(asset)	\$3,989	(\$230)	(\$3,651)

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Balances of System pension-related deferred outflows of resources and deferred inflows of resources as of the measurement date were as follows:

	<i>(Amounts in thousands)</i>	
	<u>Deferred Outflows of Resources</u>	<u>Deferred Inflows of Resources</u>
Differences between expected and actual experience	\$1,233	-
Changes of assumptions	18,558	(\$350)
Net difference between projected and actual investment earnings on pension plan investments	-	(28,994)
Changes in proportion and differences between employer contributions and proportionate share of contributions	64	(1,102)
Employer contributions subsequent to the measurement date	<u>4,445</u>	<u>-</u>
Total	<u>\$24,300</u>	<u>(\$30,446)</u>

The amount of employer contributions subsequent to the measurement date will be recognized as a reduction of the net pension liability/(asset) in the fiscal year ended March 31, 2023.

The deferred outflows of resources and deferred inflows of resources to be recognized in pension expense in the following years and in the aggregate are as follows:

	<i>(Amounts in thousands)</i>		
	Governmental	Business-type activities/proprietary	Total
Fiscal year Ending March 31:	<u>activities</u>	<u>fund</u>	<u>Total</u>
2023	(\$1,820)	(303)	(2,123)
2024	(757)	(147)	(904)
2025	(1,546)	(273)	(1,819)
2026	<u>(4,906)</u>	<u>(839)</u>	<u>(5,745)</u>
Totals	<u>(\$9,029)</u>	<u>(1,562)</u>	<u>(10,591)</u>

The VDC is a multiple-employer, defined contribution plan administered by the Director of University Benefits for the State University of New York (SUNY); TIAA-CREF serves as the third-party administrator. On July 1, 2013, the VDC option was made available to NYSERDA employees hired on or after that date whose annual salary is \$75,000 or more. Those employees voluntarily electing the VDC plan are prohibited from joining the System (defined benefit plan) at a later date (and the opposite also applies; plan participation elections are irrevocable). VDC provides benefits through annuity contracts and provides retirement and death benefits to those employees who elected to participate in the VDC. Employees have the ability to choose from a variety of investment providers for the VDC. Benefits are determined by the amount of individual accumulations and the retirement income option selected. All benefits generally vest after the completion of one year of service. Employees electing to participate in the VDC plan are required to contribute between 5.75% and 6% of gross earnings, dependent upon their salary, for their entire working career; NYSERDA contributes 8%.

One hundred forty-seven employees have vested in the VDC as of March 31, 2022. NYSERDA's contribution to the VDC for the year ended March 31, 2022 was \$1,013,000.

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(10) LEASES

NYSERDA has multi-year operating leases expiring as follows:

<u>Expiration date</u>	<u>Location</u>
October 31, 2022	Buffalo
June 30, 2024	Albany
May 31, 2026	West Valley
October 29, 2027	New York City (1359 Broadway)
October 31, 2027	New York City (1333 Broadway)

For the year ended March 31, 2022, rental expense for all office facilities was \$2.7 million.

The following is a schedule, by year, of future minimum rental payments for NYSERDA's office space as of March 31, 2022:

(Amounts in thousands)

Fiscal year ending March 31:	
2023	\$2,397
2024	2,407
2025	2,173
2026	2,069
2027	1,982
Thereafter	<u>1,146</u>
Total	<u>\$12,174</u>

NYSERDA is also the lessor of certain equipment comprising a cooling water structure at the Indian Point Energy Center in Buchanan, New York under a lease that expires on March 31, 2027, with annual minimum lease rental payments of \$816,000 for the fiscal years ending March 31, 2022-2027.

(11) CONTINGENCIES

(a) Western New York Nuclear Service Center

Under the federal West Valley Demonstration Project Act and an implementing Cooperative Agreement between DOE and NYSERDA, the federal government pays 90 percent of the West Valley Demonstration Project (WVDP) costs, and NYSERDA, on behalf of the State of New York, pays the remaining 10 percent. In addition, in 2010, the U.S. District Court for the Western District of New York approved an agreement between New York State and the federal government that resolved most of the claims asserted in a 2006 lawsuit filed by NYSERDA and New York State against the federal government and DOE regarding the financial responsibility for cleaning up certain facilities at West Valley. The agreement defines a specific cost share for the cleanup of a number of facilities that had long been in dispute between NYSERDA and DOE. For example, under this agreement, the federal government will pay a 30 percent share of costs associated with the State Licensed Disposal Area (SDA), which is solely owned and managed by NYSERDA, and NYSERDA, on behalf of the State, will pay the remaining 70 percent. Remediation costs for the North Plateau Groundwater Plume will be split equally between the State and federal government, and costs for remediating the Nuclear Regulatory Commission Licensed Disposal Area will also be a 50/50 split. The two governments agreed that other facilities are covered by the WVDP Act, such as the Main Process Plant building, and thus the federal government will pay 90% of the cleanup costs.

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In 2010, following the publication of a Final Environmental Impact Statement, DOE and NYSERDA issued decision documents that formally selected the Phased Decision Making alternative for continuing the cleanup. Under Phased Decision making, decommissioning work will be conducted in two phases. During Phase 1, the Main Process Plant building and several other highly contaminated facilities will be removed at an estimated cost of approximately \$1.0 billion. As the Phase 1 cleanup work was proceeding, DOE and NYSERDA conducted additional studies to reduce uncertainties in the decisions for the Phase 2 portion of the cleanup, which will be detailed in a Supplemental Environmental Impact Statement currently being developed. The 2010 Environmental Impact Statement states that the Phase 1 work would take 10 years and cost approximately \$1.0 billion based on a federal funding level of \$75.0 million per year. During most of the period between 2010 and 2020, however, the actual federal funding levels generally ranged between \$60.0 million and \$68.0 million, extending the duration of Phase 1. Starting in Federal Fiscal Year 2021 Congressional appropriations for the WVDP increased to about \$93 million annually and this trend is expected to continue throughout the demolition of the Main Plant Process Building. The total cost and duration of the Phase 1 cleanup work will be in part impacted by the funding amounts appropriated annually in the federal budget.

The Phase 2 decisions, which will be made in the late 2025 timeframe, will address the remaining facilities, including the High-Level Waste Tanks, the SDA, the NRC-Licensed Disposal Area, and the main body of a plume of contaminated groundwater. Total estimated costs for completing the Phase 2 work range from over \$700.0 million to \$9.1 billion, and are dependent on the alternative selected for these remaining facilities.

In accordance with GASB Statement No. 49, *Accounting and Financial Reporting for Pollution Remediation Obligations*, no liability has been included in NYSERDA's financial statements as of March 31, 2022 for this contingency because NYSERDA expects to continue to be reimbursed from State appropriations for the State's share of the costs of the Demonstration Project, any costs NYSERDA may incur in relation to the SDA, and any other costs allocated to NYSERDA under the agreement resolving the lawsuit referenced above.

(b) Energy Analysis- Low-Level Radioactive Waste

Pursuant to the Low-Level Radioactive Waste (LLRW) Management Act of 1986, NYSERDA annually assesses licensees of operating nuclear power plants an amount sufficient to reimburse the State for the LLRW disposal facilities development activities of the Departments of Health and Environmental Conservation, and must provide nuclear power plant licensees with a user-fee reduction, when the disposal facilities are operational, equal to the statutory assessments collected plus interest at a fair market rate. During the year ended March 31, 2022, NYSERDA paid, from the agency fund, a total of \$3.0 million to reimburse the State for such costs pursuant to Public Authorities Law Section 1854-d(2)(a).

(c) Bond Financing Program

The principal and interest on obligations issued for participating gas and electric utility companies and other private purpose users are payable solely from payments made by participating companies. They are not general obligations of NYSERDA nor do they constitute an indebtedness of or a charge against the general credit of NYSERDA, or cause any monetary liability to NYSERDA. These bonds and notes are not a debt of the State of New York.

The bonds and notes issued bear the name of NYSERDA and the participating company. NYSERDA assigns most of its rights and obligations to a trustee who is responsible for, among other things, disbursing bond and note proceeds and handling principal and interest payments. As of March 31, 2022, the principal totaled \$1.5 billion.

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- (d) Risk management
NYSERDA is exposed to various risks of loss related to torts; theft of, damage to, and destruction of assets; errors and omissions; injuries to employees; cyber security breaches; and natural disasters. NYSERDA maintains commercial insurance coverage for each of those risks of loss. Management believes such coverage is sufficient to preclude any significant uninsured losses to NYSERDA. NYSERDA has not experienced any reductions in coverage and has not had any insurance settlements exceeding the coverage in the past three years.
- (e) Contractual obligations in excess of cash and investment balances
As of March 31, 2022, NYSERDA has aggregate outstanding contractual obligations in excess of cash and investments of governmental activities/funds totaling \$21.2 billion, which will be reimbursed for qualifying program costs from monies held by utilities pursuant to BAYG agreements, from future revenues generated through Commission Orders, Memorandums of Understanding, Third-party agreements, and from federal energy grants.
- (f) NY Green Bank
As of March 31, 2022, NY Green Bank has entered into four credit contracts which, consistent with their terms, have not been funded but contain contingent obligations. NY Green Bank capital is only drawn if a contingent obligation under the respective agreement is triggered. The amount of contingent obligations as of March 31, 2022 totaled approximately \$5.0 million.

Any draws made on the above contingent obligations would be due to be repaid pursuant to the terms of their respective agreements.

(12) POSTEMPLOYMENT HEALTHCARE BENEFITS

Plan Description

The New York Civil Service Law, Section 163(2) provides for health insurance coverage for retired employees of New York State, including their spouses and dependent children. The law extends to public benefit corporations. NYSERDA maintains a single-employer defined benefit plan (the "Plan"), providing this benefit to eligible retirees and/or their spouses and dependent children. Eligibility is determined by membership in the System and New York State Voluntary Defined Contribution (VDC) Program, enrollment in the New York State Health Insurance Program at the time of retirement, and the completion of a minimum number of years of service as required by the System and VDC program. The Plan provides that members that retired prior to January 1, 2013 pay the percentage share of the health insurance premiums that active NYSERDA employees paid as of December 31, 2012. Members that retired on or after January 1, 2013 pay the same percentage share of the health insurance premiums as that charged for active State management confidential employees (as of March 31, 2022 the shares were 16% of the premium for individual coverage and 31% of the incremental premium for family coverage). NYSERDA is billed by the New York State Department of Civil Service monthly for pay-as-you-go funding requirements; however, payments are made from an irrevocable OPEB Trust account established in March 2010. The purpose of the OPEB Trust is for the accumulation of funds to pay future benefit costs. The Trust's funds are held by a third-party trustee. The Trust is managed by the Officers of NYSERDA, in consultation with an independent Investment Consultant.

As of March 31, 2022, there were 133 retirees and dependent survivors actively receiving benefits and 326 active Plan members. NYSERDA's OPEB Trust is recorded as a fiduciary fund within NYSERDA's financial statements.

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Net OPEB Liability and disclosures required by GASB Statement No. 75 (Employer Reporting):

The Total OPEB liability at March 31, 2022 was determined using the January 1, 2020 actuarial valuation, and was then projected forward to the measurement date of March 31, 2021.

NYSERDA allocates a share of its Net OPEB liability and related deferred outflows and deferred inflows to NY Green Bank, its proprietary fund, based on a proportional allocation methodology using direct salary expenses. The governmental activities represent approximately 86% and the proprietary fund represents approximately 14% of the proportionate share of the balances of OPEB-related amounts consistent with NYSERDA's current allocation methodology.

The following table summarizes changes in the net OPEB Liability of NYSERDA, which includes that of NY Green Bank:

(Amounts in thousands)

	Total OPEB Liability (a)	Plan Fiduciary Net Position (b)	Net OPEB Liability (asset) (a) – (b)
Fiscal year ended March 31, 2021 <i>(Measurement date March 31, 2020)</i>	\$51,363	50,367	996
<u>Changes for the year:</u>			
Service cost	2,148		2,148
Interest	3,291		3,291
Differences between expected and actual experience	645		645
Benefit payments	(1,738)	(1,738)	-
Contributions-employer	-	3,045	(3,045)
Net investment income	-	18,021	(18,021)
Administrative expenses	-	(17)	17
Fiscal year ended March 31, 2022 <i>(Measurement date March 31, 2021)</i>	<u>\$55,709</u>	<u>69,678</u>	<u>(13,969)</u>

Sensitivity Analysis:

Discount rate

The Plan's fiduciary net position was projected to be available to make all projected future benefit payments of current active and inactive employees. Therefore, the discount rate for calculating the total OPEB liability is equal to the long-term expected rate of return.

(Amounts in thousands)

	1% Decrease (5.00%)	Current Discount Rate (6.00%)	1% Increase (7.00%)
<u>Governmental activities</u>			
Net OPEB liability (asset)	(\$4,289)	(11,997)	(18,223)
<u>Business type- activities/proprietary fund</u>			
Net OPEB liability (asset)	(705)	(1,972)	(2,996)

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Healthcare cost trend rates

The following presents the net OPEB liability of NYSERDA, calculated using the current healthcare cost trend rates as well as what the Authority's net OPEB liability would be if it were calculated using trend rates that are 1 percentage point lower or 1 percentage point higher than the current trend rates.

	<i>(Amounts in thousands)</i>		
	<u>1% Decrease</u>	<u>Current Trend Rate</u>	<u>1% Increase</u>
<u>Governmental activities</u>			
Net OPEB liability (asset)	(\$19,395)	(11,997)	(2,548)
<u>Business type- activities/proprietary fund</u>			
Net OPEB liability (asset)	(3,189)	(1,972)	(419)

OPEB expense for the fiscal year ended March 31, 2022 was (\$64). Balances of OPEB-related deferred outflows of resources and deferred inflows of resources as of March 31, 2022 were as follows:

	<i>(Amounts in thousands)</i>	
	<u>Deferred Outflows of Resources</u>	<u>Deferred Inflows of Resources</u>
Differences between expected and actual experience	\$216	(6,344)
Changes of assumptions	590	(1,569)
Net difference between projected and actual investment earnings on Trust investments	5,271	(12,070)
Employer contributions subsequent to the measurement date	<u>2,148</u>	<u>-</u>
Total	<u>\$8,225</u>	<u>(19,983)</u>

The amount of employer contributions subsequent to the measurement date will be recognized as a reduction of the net OPEB liability/(asset) in the fiscal year ended March 31, 2023.

The deferred outflows of resources and deferred inflows of resources to be recognized in OPEB expense in each of the next five years and in the aggregate thereafter is as follows:

	<i>(Amounts in thousands)</i>		
	<u>Governmental activities</u>	<u>Business-type activities/proprietary fund</u>	<u>Total</u>
Fiscal year Ending March 31:			
2023	\$1,997	334	2,331
2024	1,819	309	2,128
2025	2,263	376	2,639
2026	3,485	570	4,055
2027	940	148	1,088
Thereafter	<u>1,437</u>	<u>228</u>	<u>1,665</u>
Totals	<u>\$11,941</u>	<u>1,965</u>	<u>13,906</u>

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Projections of benefits for financial reporting purposes are based on the Plan as understood by NYSERDA and Plan members and include the types of benefits provided at the time of valuation and the historical pattern of sharing benefit costs between NYSERDA and Plan members. The projection of benefits for financial reporting purposes does not explicitly incorporate the potential of legal or contractual funding limitations on the pattern of cost sharing between the employer and Plan members in the future.

The significant assumptions used in the January 1, 2020 actuarial valuation were as follows:

Retirement– All employees assumed to be covered under Tier 4 of the System, with early retirement available at age 55 with 5 years of service, and unreduced benefits at age 62 with 5 years or age 55 with 30 years of service. Based on assumptions used under the System, since eligibility for NYSERDA employees covered under this plan is based on membership in that system. The System assumptions were based on extensive analysis of their covered populations.

Marital status – Assumed 60% of active male employees who choose coverage will have covered spouses at retirement, and 50% for active female employees. Male spouses were assumed to be three years older than female spouses.

Mortality Tables – Sex-distinct Pub-2010 General Employee/Retiree Mortality Tables with generational projection using Scale MP-2020. Pub-2010 General Contingent Survivor Tables with full generational projection using Scale MP-2020 were used for current beneficiaries.

Withdrawal– Rates were based on age and length of service for the first 10 years and age thereafter as the basis for assigning active members a probability of remaining employed until the assumed retirement age. Based on assumptions used under the System, since eligibility for NYSERDA employees covered under this plan is based on membership in that system. The System assumptions were based on extensive analysis of their covered populations.

Healthcare cost trend rate – The expected rate of increase in healthcare premiums was based on projections developed by the actuary's healthcare specialists. Rates of 2.4% and 2.1% for the two health insurers with the highest enrollment of Plan members were assumed initially, trending to an ultimate rate of 3.7% for both carrier's plans.

Health insurance premiums – Calendar year 2021 health insurance premiums for the two health insurers with the highest enrollment of Plan members were used as the basis for the projected valuation year premiums.

Investment return – As of March 31, 2022, Plan benefit payments are pre-funded in a segregated Trust, and a discount rate of 6.0% was used, representing the long-term anticipated earnings potential of investments in the Trust.

The actuarial funding method used was the Entry Age Normal Cost method, under which the actuarial present value of the projected benefits of each individual included in an actuarial valuation is allocated on a level basis over the earnings or service of the individual between entry age and assumed exit age(s). The portion of this actuarial present value allocated to a valuation year is called the normal cost (for purposes of GASB 75, the term normal cost is the equivalent of service cost). The portion of this actuarial present value not provided for at a valuation date by the actuarial present value of future normal costs is called the actuarial accrued liability (for purposes of GASB 75, the term actuarial accrued liability is the equivalent of total OPEB liability).

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The Plan also provides that the dollar value, subject to certain limitations, of members' accumulated sick leave credits at the time of retirement may be used to offset the portion of health insurance premiums paid by retirees. NYSERDA's estimated liability associated with sick leave credits is recorded as a Compensated Absence within Other non-current liabilities in accordance with the requirements of GASB Statement No. 16, *Accounting for Compensated Absences*. The Trust does not accumulate resources for the purpose of paying this portion of the health insurance premiums, nor does it pay any benefits for this purpose. NYSERDA's liability for that portion of the premiums is not included in the actuarially determined liabilities of the Plan, the net OPEB liability, or the OPEB expense calculations.

The cost of third-party administrators, actuarial reports, audits, and similar costs incurred exclusively for the Trust are paid from resources of the Trust. Routine daily administrative costs of administering the benefit plans, accounting services and similar costs are absorbed by NYSERDA.

The Trust has no legally required reserves.

Additional information can be found in the Required Supplementary Information section of these financial statements.

Net OPEB Liability/(Asset) and Disclosures required by GASB Statement No. 74 (Plan Reporting)

The Total OPEB liability at March 31, 2022 was determined using the January 1, 2022 actuarial valuation, and was then projected forward to March 31, 2022, calculated using the actuarial assumptions changes described below.

	<i>(Amounts in thousands)</i>		
	Total OPEB Liability	Plan Fiduciary Net Position	Net OPEB Liability/(asset)
	(a)	(b)	(a) – (b)
Fiscal year ended March 31, 2021	<u>\$55,709</u>	<u>69,678</u>	<u>(13,969)</u>
<u>Changes for the year:</u>			
Service cost	2,549		2,549
Interest	3,440		3,440
Effect of economic/demographic gains or losses	1,487		1,487
Effect of assumptions changes or inputs	(616)		(616)
Benefit payments	(1,869)	(1,869)	-
Contributions-employer	-	2,148	(2,148)
Net investment income	-	(490)	490
Administrative expenses	-	(17)	17
Fiscal year ended March 31, 2022	<u>\$60,700</u>	<u>69,450</u>	<u>(8,750)</u>

The actuarial assumptions were the same as those noted above (for the GASB Statement No. 75 valuation) with the exception of:

Mortality Tables – Sex-distinct Pub-2010 General Employee/Retiree with Projection Scale MP-2021.

Healthcare cost trend rate – The expected rate of increase in healthcare premiums was based on projections developed by the actuary's healthcare specialists. Rates of 5.3% for the two health insurers with the highest enrollment of Plan members were assumed initially, trending to an ultimate rate of 3.7% for both carrier's plans.

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Investment return – As of March 31, 2022, Plan benefit payments are pre-funded in a segregated Trust, and a discount rate of 6.0% was used, representing the long-term anticipated earnings potential of investments in the Trust.

Sensitivity Analysis:

Discount rate

The Plan's fiduciary net position was projected to be available to make all projected future benefit payments of current active and inactive employees. Therefore, the discount rate for calculating the total OPEB liability is equal to the long-term expected rate of return.

	1% Decrease <u>(5.0%)</u>	(Amounts in thousands) Current Discount Rate <u>(6.0%)</u>	1% Increase <u>(7.0%)</u>
Net OPEB liability (asset)	\$1,164	(\$8,750)	(\$16,748)

Healthcare cost trend rates

	1% Decrease <u>(\$17,770)</u>	(Amounts in thousands) Current Trend Rate <u>(\$8,750)</u>	1% Increase <u>\$2,740</u>
Net OPEB liability (asset)			

Money-Weighted Rate of Return:

For the year ended March 31, 2022, the annual money-weighted rate of return on investments, calculated as the internal rate of return on Plan investments, net of investment expense, was (0.70%). The money-weighted rate of return expresses investment performance, net of investment expense, adjusted for the changing amounts actually invested.

Long-term expected rate of return:

<u>Asset Class</u>	<u>Index</u>	<u>Target Allocation</u>	<u>Long-Term Expected Arithmetic Real Rate of Return</u>	<u>Long-Term Expected Geometric Real Rate of Return</u>
US Cash	BAML 3-Mon Tbill	1.00%	-0.26%	-0.26%
US Short Bonds	Bloomberg US Govt 1-3 Yr	5.00%	0.25%	0.22%
US Interm Bonds	Bloomberg US Govt Interm	19.00%	0.53%	0.45%
US Long Bonds	Bloomberg US Government Long	1.00%	1.14%	0.41%
US Inflation-Indexed Bonds	Bloomberg US Treasury US TIPS	11.00%	0.60%	0.48%
US High Yield Bonds	ICE BofA US High Yield	17.00%	3.92%	3.38%
Non-US Bonds	JPM GBI Global ExUS	1.00%	-0.13%	-0.58%
US Large Caps	S&P 500	10.00%	4.94%	3.46%
US Mid Caps	Russell Mid Cap	1.00%	5.56%	3.56%
US Small Caps	Russell 2000	3.00%	6.73%	4.18%
Foreign Developed Equity	MSCI EAFE	12.00%	6.27%	4.52%
Emerging Markets Equity	MSCI EM FTSE EPRA Nareit	18.00%	8.82%	5.31%
Global REITs	Developed	1.00%	6.05%	3.92%

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(13) INTERFUND BALANCES AND TRANSFERS

The balances reflected in Due to other funds and Due from other funds reflect the timing difference of when expenditures are incurred and when interfund reimbursement occurs.

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Transfers consist of amounts transferred between various Functions/Programs and Funds pursuant to various Orders of the Commission, NYSERDA's approved RGGI operating plan, and to fund expenditures and working capital balances pursuant to the CEF Order's "Bill-As-You-Go" process, as summarized below:

(Amounts in thousands)

Transfers From	Transfers To					
	<u>CEF</u>	<u>NYSUN</u>	<u>CES</u>	<u>GJGNY</u>	<u>Other Funds</u>	<u>Total</u>
CEF	\$ -	9,125	-	-	6,231	15,356
NYSUN	5,952	-	-	-	294	6,246
CES	-	-	-	-	151	151
RGGI	33,789	-	-	12,000	-	45,789
Other Funds	<u>4,278</u>	<u>11,944</u>	<u>96</u>	<u>-</u>	<u>-</u>	<u>16,318</u>
Total						
Governmental Funds	<u>\$44,019</u>	<u>21,069</u>	<u>96</u>	<u>12,000</u>	<u>6,676</u>	<u>83,860</u>

(14) SUBSEQUENT EVENTS

The COVID-19 health crisis has impacted certain operational performance and programmatic spending levels for the fiscal year ended March 31, 2022, but has not had a material impact on the financial condition of NYSERDA as of March 31, 2022. As of June 28, 2022, the issuance date of the financial statements, the extent, if any, to which COVID-19 may impact NYSERDA's future programmatic activities and accomplishments is uncertain.

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NYSERDA's Contributions to the System Pension Plan

(Amounts in thousands)

Fiscal year ended March 31,	<u>2022</u>	<u>2021</u>	<u>2020</u>	<u>2019</u>	<u>2018</u>	<u>2017</u>	<u>2016</u>
Actuarially determined contribution	\$4,445	\$3,941	\$3,844	\$3,808	\$3,805	\$3,866	\$3,993
Contributions in relation to the actuarially determined contribution	<u>\$4,445</u>	<u>\$3,941</u>	<u>\$3,844</u>	<u>\$3,808</u>	<u>\$3,805</u>	<u>\$3,866</u>	<u>\$3,993</u>
Contribution deficiency (excess)	-	-	-	-	-	-	-
Covered- payroll	\$30,768	\$28,191	\$27,760	\$27,362	\$26,088	\$25,854	\$26,153
Contributions as a percentage of covered-employee payroll	14.4%	14.0%	13.8%	13.9%	14.6%	15.0%	15.3%

Schedule is intended to show information for 10 years. Additional years will be displayed as they become available.

NYSERDA's Proportionate Share of the System's Net Pension Liability

(Amounts in thousands)

Fiscal year ended March 31, <i>(Measurement date March 31,)</i>	<u>2022</u> <i>2021</i>	<u>2021</u> <i>2020</i>	<u>2020</u> <i>2019</i>	<u>2019</u> <i>2018</i>	<u>2018</u> <i>2017</i>	<u>2017</u> <i>2016</i>	<u>2016</u> <i>2015</i>
Proportion of the net pension liability	0.10%	0.11%	0.11%	0.10%	0.11%	0.11%	0.12%
Proportionate share of the net pension liability	\$101	\$28,184	\$7,599	\$3,367	\$10,279	\$17,556	\$4,004
Covered- payroll	\$28,191	\$27,760	\$27,362	\$26,088	\$25,854	\$26,153	\$25,135
Proportionate share of the net pension liability as a % of its covered payroll	0.4%	101.5%	27.8%	12.9%	39.8%	67.1%	15.9%
Ratio of fiduciary net position to total pension liability	99.95%	86.39%	96.27%	98.24%	94.7%	90.7%	97.9%

Schedule is intended to show information for 10 years. Additional years will be displayed as they become available.

See accompanying independent auditors' report

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Schedule of Changes in Net OPEB Liability (Asset) and Related Ratios

(Amounts in thousands)

Fiscal year ended March 31,					
Employer Reporting:	<i>n/a</i>	2022	2021	2020	2019
Plan Reporting:	2022	2021	2020	2019	2018
Total OPEB liability					
Total OPEB liability- beginning <i>(Measurement date March 31,)</i>	\$55,709 <i>2021</i>	\$51,363 <i>2020</i>	\$56,953 <i>2019</i>	\$52,709 <i>2018</i>	\$49,081 <i>2017</i>
Changes for the year:					
Service Cost	2,549	2,148	2,154	2,031	1,887
Interest	3,440	3,291	3,791	3,512	3,260
Effect of economic/demographic gains or losses	1,487	(32)	(8,075)	350	(233)
Effect of assumptions changes or inputs	(616)	677	(1,878)	(210)	-
Benefit payments	<u>(1,869)</u>	<u>(1,738)</u>	<u>(1,582)</u>	<u>(1,439)</u>	<u>(1,286)</u>
Total OPEB liability- ending (a) <i>(Measurement date March 31,)</i>	<u>\$60,700</u> <i>2022</i>	<u>\$55,709</u> <i>2021</i>	<u>\$51,363</u> <i>2020</i>	<u>\$56,953</u> <i>2019</i>	<u>\$52,709</u> <i>2018</i>
Plan fiduciary net position					
Plan fiduciary net position- beginning <i>(Measurement date March 31,)</i>	\$69,678 <i>2021</i>	\$50,367 <i>2020</i>	\$52,971 <i>2019</i>	\$48,767 <i>2018</i>	\$43,176 <i>2017</i>
Changes for the year:					
Benefit payments	(1,869)	(1,738)	(1,582)	(1,439)	(1,286)
Employer contributions	2,148	3,045	2,608	4,963	3,013
Net investment income	(490)	18,021	(3,612)	727	3,879
Administrative expenses	<u>(17)</u>	<u>(17)</u>	<u>(18)</u>	<u>(47)</u>	<u>(15)</u>
Plan fiduciary net position- ending (b) <i>(Measurement date March 31,)</i>	<u>\$69,450</u> <i>2022</i>	<u>\$69,678</u> <i>2021</i>	<u>\$50,367</u> <i>2020</i>	<u>\$52,971</u> <i>2019</i>	<u>\$48,767</u> <i>2018</i>
Net OPEB liability (asset)					
Net OPEB liability (asset)- beginning	(\$13,969)	\$996	\$3,982	\$3,942	\$5,905
Net OPEB liability (asset)- ending (a) – (b)	(\$8,750)	(\$13,969)	\$996	\$3,982	\$3,942
Fiduciary net position as a % of total					
OPEB liability	114.42%	125.07%	98.06%	93.01%	92.52%
Covered payroll	\$44,809	\$38,962	\$39,320	\$37,638	\$35,757
Net OPEB liability (asset) as a % of covered payroll	(19.53%)	(35.85%)	2.53%	10.58%	11.02%

Notes to schedule: "n/a" indicates the ending Net OPEB liability (asset) (and respective columnar data presented which tabulates it), is not yet reportable by the Employer, NYSERDA, on its Statement of Net Position, due to NYSERDA's allowable (by GASB Statement No. 75) one-year lag in Employer vs. Plan reporting.

Schedule is intended to show information for 10 years. Additional years will be displayed as they become available.

See accompanying independent auditors' report

**NEW YORK STATE ENERGY
RESEARCH AND DEVELOPMENT AUTHORITY
(A Component Unit of the State of New York)**

**Schedules of Required Supplementary Information (Unaudited)
March 31, 2022**

Schedule of Employer Contributions for OPEB (Employer and Plan Reporting)

	<i>(Amounts in thousands)</i>			
Fiscal year ended March 31,	<u>2022</u>	<u>2021</u>	<u>2020</u>	<u>2019</u>
Actuarially determined contribution	\$2,148	\$3,045	\$2,608	\$2,071
Actual employer contribution	<u>2,148</u>	<u>3,045</u>	<u>2,608</u>	<u>4,963</u>
Contribution deficiency (excess)	<u>(\$-)</u>	<u>(\$-)</u>	<u>(\$-)</u>	<u>(\$2,892)</u>
Covered payroll	\$44,809	\$38,962	\$39,320	\$37,638
Contribution as a % of covered payroll	4.79%	7.82%	6.63%	13.19%

Schedule is intended to show information for 10 years. Additional years will be displayed as they become available.

Schedule of Investment Returns- OPEB Trust (Plan Reporting)

Fiscal year ended <u>March 31,</u>	Net annual money-weighted <u>rate of return</u>
2022	(0.70%)
2021	35.36%
2020	(6.76%)
2019	1.45%
2018	8.84%

Schedule is intended to show information for 10 years. Additional years will be displayed as they become available.

See accompanying independent auditors' report

NYSERDA

Comparison of Statement of Net Position amounts to Prior Audited Balances

March 31, 2022

(Amounts in thousands)

	<u>March 31, 2022</u>	<u>March 31, 2021</u>	Change from March 31, 2021
Cash and investments (current and non-current totals)	1,299,587	888,309	411,278
<p>Analysis: The ZEC program in FY 21-22 had a full 12 months of receipts, whereas in the prior fiscal year there were only 11 months of receipts due to a change in the billing methodology. The REC program collected alternative compliance payments in FY 21-22, but had not spent those proceeds as of March 31, 2022. RGGI allowance proceeds far exceeded budget, and were not yet entirely allocated for various purposes, and thus not yet fully expended as of the current fiscal year end. NY Green Bank received funds from the sale of a portion of their portfolio of Loans and financing receivables to a third party investor, and had not yet fully re-deployed all net cash inflows inclusive of that transaction. NY-Sun had higher utility surcharge collections reflecting the additional funding of the program in the form of a larger working capital balance requirement under Bill-As You-Go. \$26M was received in advance of expenditures pursuant to the Clean Transportation Volkswagen Settlement Agreement.</p>			
New York State receivable	1,714	8,214	(6,500)
<p>Analysis: The decrease is primarily due to a change in the Zero-emission credit (ZEC) program receivable of approximately \$4.6M. Additionally, there was a decrease of approximately \$1.5M amongst several state appropriations.</p>			
Third-party billings receivable	26,840	70,712	(43,872)
<p>Analysis: The variance is almost entirely due to a large decrease in the Zero-emission credit (ZEC) program receivable of approximately \$47.9M as the prior year reflected a large accrued receivable balance due to the change in billing methodology instituted in FY2020-21.</p>			
Interest receivable on loans	3,112	4,086	(974)
<p>Analysis: Principally due to timing of accruals and receipt of payments for NY Green Bank.</p>			
Loans and financing receivables - current and non-current totals:			
NY Green Bank			
Short and long term	472,229	572,700	(100,471)
Residual interest	77,360	-	77,360
GJGNY	192,280	219,353	(27,073)
CEF	4,500	-	4,500
	746,369	792,053	(45,684)
<p>Analysis: The NY Green Bank variance reflects a number of large, mostly offsetting items: sale of a large portion of the portfolio to a third party investor; new loans issued from the sale proceeds, recording the residual interest of the sale to the third party investor (presented as a discrete financial statement line item), and a \$5.2M asset impairment. The decrease in GJGNY loans outstanding was primarily due to sales of participation shares to investors pursuant to a new financing mechanism executed during this reporting period. As of March 31, 2022 cumulative allowance life-to-date reserves and write-offs represent 3.0% of original loan principal. The balance in CEF reflects a new program within the Clean Tech Startup Growth initiative in the Innovation & Research portfolio.</p>			
Prepaid expense	3,593	3,386	207
<p>Analysis: Minor variance.</p>			
Other assets	16,450	11,798	4,652
<p>Analysis: Increase reflects gains on turnover of seasonal fuel inventory due to rising prices in the market.</p>			
Capital assets, net of depreciation	11,376	12,470	(1,094)
<p>Analysis: Decrease due to fixed asset additions of \$1,489,000 less depreciation expense of \$2,583,000.</p>			
Total assets	2,109,041	1,791,028	318,013

NYSERDA

Comparison of Statement of Net Position amounts to Prior Audited Balances

March 31, 2022

(Amounts in thousands)

	<u>March 31, 2022</u>	<u>March 31, 2021</u>	Change from March 31, 2021
Deferred outflows of resources	32,525	31,215	1,310
Analysis: Minor variance (balances represent actuarially-determined deferred outflows of resources (deferred pension & OPEB expense resulting from actuarial smoothing practices), as well as FY 2021-22 contributions recorded as "contributions subsequent to measurement date" in accordance with relevant GASB Standards).			
Accounts payable	57,450	9,711	47,739
Analysis: Variance reflects a single \$19.9M REC invoice received and approved on March 31, 2022; four invoices totaling \$13.8M in the new PSC Ordered Energy Storage program; the growth of the NY-Sun program and timing of invoice approval & payment, with 16 invoices > \$100K, totaling \$10.2M; and a single RGGI invoice for \$5M outstanding at March 31, 2022. At the close of the prior fiscal year, vouchers payable of similar magnitude (and/or in related programs) were few to none.			
Accrued liabilities	216,792	184,931	31,861
Analysis: Primarily due to an increase in the estimate of vendor invoices not yet received as of fiscal year end, as well as the difference in timing of payment of annual NYS assessments.			
Unearned revenue	2,646	3,091	(445)
Analysis: Minor variance (Unearned revenue is cash received in advance of expenditures, under agreements where the recognition of revenue is not triggered until expenses have been incurred).			
Deposits	34,757	28,438	6,319
Analysis: Increase primarily due to the receipt of numerous CES large-scale renewable bid and contract security deposits.			
Long-term liabilities- current and non-current totals:			
Vacation and sick leave	12,067	11,119	948
Net pension/OPEB liability (asset)	(13,868)	29,180	(43,048)
Bonds payable	95,957	117,687	(21,730)
	<u>94,156</u>	<u>157,986</u>	(63,830)
Analysis: The change in compensated absences is due to both an increase in accrued hours and an increase in the average rate of pay. The decrease in the Net pension/OPEB liability principally reflects much higher than expected investment returns through the measurement date of March 31, 2021 (a one-year lag), as the market mostly rebounded after the large valuation decrease experienced near the time of the initial outbreak of the Covid-19 virus in the last quarter of FY2019-20. The decrease in Bonds payable is due to scheduled payments and bond redemptions for the GJGNY program, and there were no new bond issuances as an alternate financing mechanism for the revolving loan fund was utilized in FY 2021-22 as discussed elsewhere.			
Total liabilities	<u>405,801</u>	<u>384,157</u>	21,644
Deferred inflows of resources	50,429	10,866	39,563
Analysis: Large variance is primarily due to actuarially determined balances related to differences between actual and expected investment returns for both pension and OPEB.			
Net position:			
Net investment in capital assets	11,376	12,469	(1,093)
Restricted for specific programs	1,668,224	1,409,361	258,863
Unrestricted	5,736	5,390	346
Total net position	<u>1,685,336</u>	<u>1,427,220</u>	258,116
Analysis: Decrease in Net investment in capital assets primarily reflects the net effect of fixed asset purchases, less depreciation on current assets. Increase in Net position Restricted for specific programs is principally due to RGGI auction proceeds far in excess of budget, Alternative Compliance Payments in the CES (REC) program, NY Green Bank's excess of revenues over expenses, and Other programs' receipts pursuant to the Clean Transportation Volkswagen Settlement. The small increase in unrestricted net position is the result of numerous mostly offsetting factors.			

NYSERDA
Comparison of Revenues/Expenses to Budget
For the year ended March 31, 2022

(Amounts in Thousands)

	Actual	Budget	Over (under) Budget	
	March 31, 2022		\$	%
REVENUES				
Total State appropriations	15,364	22,060	(6,696)	-30.4%
Analysis: Revenues for West Valley were less than budgeted for two principal reasons. Revenue drawn-down in the prior fiscal year in excess of final actual expenses resulted in less revenue being recorded in FY21-22. Also, actual program expenditures are lower than anticipated due to work activities and slowdowns on the West Valley Demonstration Project caused by COVID-19.				
Utility surcharge assessments	628,009	594,771	33,238	5.6%
Analysis: Principally due to unanticipated capital calls by NY Green Bank funded via the Bill-as-You-Go mechanism.				
Renewable energy credit proceeds	55,543	45,825	9,718	21.2%
Analysis: Variance is primarily due to Alternative Compliance Payments received with a 10% premium included, versus the budget which only anticipated normal REC sales.				
Zero-emission credit assessments	609,021	590,473	18,548	3.1%
Analysis: Variance was principally due to the impact of final load share data from the prior compliance year and unanticipated Admin adder revenues authorized by an October 2020 Public Service Commission Order.				
Allowance auction proceeds	250,634	149,187	101,447	68.0%
Analysis: Primarily due to the average actual auction price being significantly higher than budgeted (\$7.97, \$9.30, \$13.00 and \$13.50 actual prices for quarterly auctions, as compared to \$6.82 average budgeted price); offset in-part by a slightly lower amount of allowances sold than anticipated.				
Third party reimbursements	75,035	31,012	44,023	142.0%
Analysis: Variance is principally due to the receipt of \$26.0 million in advanced funding under the Clean Transportation Volkswagen Settlement Agreement, most of which was not anticipated in the budget, as well as funding in excess of budget from NYS Office of Temporary and Disability Assistance, and entirely unexpected receipts for the New Efficiency New York program.				
Federal grants	7,845	10,544	(2,699)	-25.6%
Analysis: Principally due to actual expenses (accrued as revenues on a cost reimbursement basis) under a Congestion Mitigation & Air Quality grant and a DOE National Offshore Wind R&D Consortium grant being less than anticipated in the budget.				
QECB interest subsidy	306	306	-	0.0%
Analysis: No variance.				
Project repayments	450	200	250	125.0%
Analysis: Principally due to unexpected receipts related to the prior fiscal year.				
Rentals from leases	1,041	996	45	4.5%
Analysis: Minor variance.				
Fees and other income	18,515	11,164	7,351	65.8%
Analysis: Variance is principally due to unanticipated CES program non-refundable bid fees collected. Additionally, NYGB fee income was greater than budget.				

NYSERDA
Comparison of Revenues/Expenses to Budget
For the year ended March 31, 2022

(Amounts in Thousands)

	Actual		Over (under) Budget	
	March 31, 2022	Budget	\$	%
Interest on loans				
CEF	52	-	52	100.0%
GJGNY	7,620	8,329	(709)	-8.5%
NY Green Bank	13,811	25,578	(11,767)	-46.0%
Total Interest on Loans	21,483	33,907	(12,424)	-36.6%

Analysis: GJGNY loan interest was less than budget primarily from lower than projected new interest bearing loan originations in the period as well as the sales of shares of certain loan pools to third-party investors under the new financing mechanism. Variance from budget for NY Green Bank was principally due to a provision for loss of \$5.2M as well as the unanticipated sale of a large portion of the portfolio of Loans and financing receivables to another third-party investor.

Loss on sale of Loans and financing receivables	(13,543)	-	(13,543)	100.0%
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Analysis: The loss on sale includes fees and closing costs incurred related to the sale, and recording an unrealized impairment of the residual value as of March 31, 2022.

Investment income	(73)	1,002	(1,075)	-107.3%
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Analysis: Variance due primarily to unrealized loss in fair value of investments, as well as lower interest rates than anticipated in the budget.

TOTAL REVENUES	1,669,630	1,491,447	178,183	11.9%
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EXPENSES

Salaries	45,352	41,567	3,785	9.1%
Fringe benefits	13,177	20,782	(7,605)	-36.6%
Salaries and benefits	58,529	62,349	(3,820)	-6.1%

Analysis: Salaries variance is primarily due to a lower vacancy rate (higher 'filled' rate) than the historical percentage included in the budget (inclusive of additional approved and filled positions that were not in the salaries budget); and payments made for the authorized retroactive FY20-21 performance awards and COLA which were not anticipated in the budget. The fringe benefits variance is primarily due to 'no' FY21-22 OPEB expense (~\$2.9M variance) and lower than anticipated pension expense (~\$4.9M variance), as a result of the most recent actuarial valuations, which reflected better market performance than previously projected. These were offset in small part by an increase in social security and Medicare taxes due to the unanticipated COLA and performance award payments.

Program expenditures:

NY-Sun	151,144	140,413	10,731	7.6%
CEF	306,430	299,284	7,146	2.4%
NY Green Bank	94	600	(506)	-84.3%
Energy Analysis	6,736	8,497	(1,761)	-20.7%
West Valley	15,305	18,794	(3,489)	-18.6%
RGGI	98,934	106,076	(7,142)	-6.7%
CES	614,072	641,084	(27,012)	-4.2%
Other (individually less than 5% of the total)	121,585	156,447	(34,862)	-22.3%
	1,314,300	1,371,196	(56,896)	-4.1%

Analysis: NY-Sun megawatt block incentives have exceeded budget expectations reflecting a surge of calendar year-end completions, offset in-part due to the timing of launching the low-to-moderate solar program and from seasonal variation in project completions under the Community Adder program. The CEF variance is primarily due to the EmPower and Assisted Home Performance programs experiencing higher than projected levels of participation due to an increase in project funding caps and expanded eligibility thresholds as a response to COVID-19, accelerated payments on project deliverables being paid out quicker than anticipated under the Real Time Energy Management and High Performing Grid programs, and from increased technical assistance incentives paid under the New Construction Housing program, offset in-part by certain programs experiencing construction, interconnection, COVID-19, and supply chain delays beyond projected forecasts. Variance in RGGI is primarily due to lower than anticipated spending within the Energy Storage and the Cleaner Greener Communities programs as a result of construction, interconnection, and supply chain delays, offset in-part from higher Drive Clean rebate incentives being paid than budgeted. The CES - REC variance is primarily the result of a lower number of Tier-two awards made than was anticipated in the budget and partially due to Tier One REC commercial operation facilities experiencing permitting, interconnection, and construction delays which were not anticipated in the budget. The variance in Other was principally due to lower than expected expenditures in the Energy Storage program due to construction and interconnection delays, lower expenditures than anticipated in the Clean Transportation Volkswagen Settlement program due to timing of program rollout and supply chain delays, and from lower production in the Renewable Portfolio Standard program, offset in-part by timing of spending under the Electric Cessation Mitigation program.

NYSERDA
Comparison of Revenues/Expenses to Budget
For the year ended March 31, 2022

(Amounts in Thousands)

	<u>Actual</u>	<u>Budget</u>	<u>Over (under) Budget</u>	
	<u>March 31, 2022</u>		<u>\$</u>	<u>%</u>
Investment related expenses	454	163	291	178.5%
Analysis: Variance primarily due to higher transaction activity incurred than anticipated.				
	1,000			
Program operating costs	3,780	4,514	(734)	-16.3%
Analysis: Variance is primarily due to under spending in Travel resulting from COVID-19 imposed restrictions and lower NY Green Bank temporary staffing costs due to actual employee hirings (costs reflected in salary expense above), offset in part by higher NY Green Bank professional services costs which ran higher than budget.				
General and administrative expenses	14,999	16,616	(1,617)	-9.7%
Analysis: Variance is primarily due to lower than anticipated Information Technology (IT) spending for a couple initiatives not undertaken during the fiscal year; lower IT contractor and software spending than initially planned; and from lower temporary staffing costs resulting in several employee hirings (costs reflected in salary expense above).				
Depreciation	2,583	2,533	50	2.0%
Analysis: Minor variance primarily due to the difference in planned capital asset additions as compared to budget expectations.				
New York State assessments	13,594	13,594	-	0.0%
Analysis: No variance.				
Bond interest	3,275	3,624	(349)	-9.6%
Analysis: Variance is due to advance principal payments made related to a couple of different bond series reducing the accrued interest on the related bond series.				
TOTAL EXPENSES	1,411,514	1,474,589	(63,075)	-4.3%
	<u>Actual</u>	Budget Year to <u>Date</u>	<u>Variance</u>	<u>% Variance</u>
Capital asset purchases:				
Information technology upgrades	1,190	795	395	49.7%
Furniture, fixtures and equipment	166	7	159	2271.4%
Leasehold Improvements	133	-	133	100.0%
Buildings	-	961	(961)	-100.0%
Total Other uses	1,489	1,763	(274)	-15.5%
Analysis: Variance in Information technology is primarily due to website upgrade costs originally budgeted in professional services. Variance in Equipment is due to the timing of the phase II VOIP installation and Leasehold Improvements were not budgeted as capital asset additions.				

NY GREEN BANK
(A Division of the New York State Energy Research and Development Authority)

FINANCIAL STATEMENTS

March 31, 2022

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March 31, 2022

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RESPONSIBILITY FOR FINANCIAL REPORTING

Management is responsible for the preparation, integrity and objectivity of the financial statements of the New York State Energy Research and Development Authority (the Authority), as well as all other information contained in the Authority's Annual Report. The financial statements of the Authority for the fiscal year ended March 31, 2022 were prepared in conformity with U.S. generally accepted accounting principles (U.S. GAAP). The Board of the Authority (the Board) adopted these financial statements and the Annual Report at a meeting on June 28, 2022.

The Authority maintains a system of internal controls, the objectives of which are to provide reasonable assurance as to the proper authorization and recording of transactions, the safeguarding of Authority assets, the compliance with applicable laws and regulations, and the reliability of financial records for preparing financial statements. The internal control structure is subject to periodic review by management, internal audit staff and the independent auditors. No internal control system can provide absolute assurance that errors and irregularities will not occur due to the inherent limitations of the effectiveness of internal controls; however, management strives to maintain a balance, recognizing that the cost of such system should not exceed the benefits derived.

The Authority's financial statements have been audited by KPMG LLP, independent auditors appointed by the Members of the Authority. Management has made available to the independent auditors all the financial records and related data of the Authority, as well as provided access to all the minutes of the meetings of the Board and its standing committees. The independent auditors periodically meet directly with the Audit and Finance Committee of the Board, which is comprised of Members who are not employees of the Authority.

The independent audit included obtaining an understanding of the internal control structure, tests of accounting records, and other procedures which the independent auditors considered necessary in order to express opinions as to the fairness of the presentation of the financial statements. No material weaknesses in internal control or any condition of non-compliance with applicable laws, regulations or policy were noted by the independent auditors through the execution of their audit procedures. The unmodified independent auditors' report attests that the financial statements are presented fairly, in all material respects, in accordance with U.S. GAAP.

Doreen M. Harris
President and Chief Executive Officer

Pamela C. Poisson
Chief Financial Officer



KPMG LLP
515 Broadway
Albany, NY 12207-2974

DRAFT
Independent Auditors' Report

Members of the Authority
New York State Energy Research and Development Authority:

Report on the Audit of the Financial Statements

Opinions

We have audited the financial statements of NY Green Bank, an enterprise fund of the New York State Energy Research and Development Authority (the Fund), as of and for the year ended March 31, 2022, and the related notes to the financial statements, which collectively comprise the Fund's basic financial statements as listed in the table of contents.

In our opinion, the accompanying financial statements referred to above present fairly, in all material respects, the respective financial position of the Fund, as of March 31, 2022, and the respective changes in financial position and, where applicable, cash flows thereof for the year then ended in accordance with U.S. generally accepted accounting principles.

Basis for Opinions

We conducted our audit in accordance with auditing standards generally accepted in the United States of America (GAAS) and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Our responsibilities under those standards are further described in the Auditors' Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of the Fund and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

Responsibilities of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with U.S. generally accepted accounting principles, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the Fund's ability to continue as a going concern for twelve months beyond the financial statement date, including any currently known information that may raise substantial doubt shortly thereafter.

Auditors' Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinions. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS and *Government Auditing Standards* will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve

collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with GAAS and *Government Auditing Standards*, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Fund's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the Fund's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control related matters that we identified during the audit.

Required Supplementary Information

U.S. generally accepted accounting principles require that management's discussion be presented to supplement the basic financial statements. Such information is the responsibility of management and, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Other Information

Management is responsible for the other information included in the annual report. The other information comprises the Responsibility for Financial Reporting section but does not include the basic financial statements and our auditors' report thereon. Our opinions on the basic financial statements do not cover the other information, and we do not express an opinion or any form of assurance thereon.

In connection with our audit of the basic financial statements, our responsibility is to read the other information and consider whether a material inconsistency exists between the other information and the basic financial statements, or the other information otherwise appears to be materially misstated. If,

based on the work performed, we conclude that an uncorrected material misstatement of the other information exists, we are required to describe it in our report.

Other Reporting Required by Government Auditing Standards In accordance with *Government Auditing Standards*, we have also issued our report dated June __, 2022 on our consideration of the Fund's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is solely to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the Fund's internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the Fund's internal control over financial reporting and compliance.

[(signed) KPMG LLP]

Albany, New York
June __, 2022

NY Green Bank
(A Division of the New York State Energy Research and Development Authority)
Management's Discussion and Analysis
For the Year Ended March 31, 2022
Unaudited

The following Management's Discussion and Analysis (MD&A) of NY Green Bank's financial performance provides an overview of NY Green Bank's financial activities for the fiscal year ended March 31, 2022. The information contained in the MD&A should be considered in conjunction with the information in the accompanying financial statements and related notes. Following this MD&A are the basic financial statements of NY Green Bank with the notes thereto that are essential to a full understanding of the data contained in the financial statements. NY Green Bank's basic financial statements have the following components: (1) proprietary fund financial statements and (2) notes to the basic financial statements.

Proprietary fund financial statements are designed to provide readers with a broad overview of NY Green Bank's finances in a manner similar to a private-sector business. The *Statement of Net Position* presents information on NY Green Bank's assets, deferred outflows of resources, liabilities, and deferred inflows of resources, and the difference between these is reported as net position. The *Statement of Revenues, Expenses and Changes in Fund Net Position* presents information showing how NY Green Bank's net position changed during the fiscal year. All changes in net position are reported as soon as the underlying event giving rise to the change occurs, regardless of the timing of the related cash flows. Thus, revenues and expenses that are reported for some items will result in cash flows in future fiscal periods. The *Statement of Cash Flows* shows how changes in balance sheet and income accounts affect cash balances at year end. The notes to the basic financial statements provide additional information that is essential for a full understanding of the information provided in the proprietary fund financial statements.

NY Green Bank is a division of the New York State Energy Research and Development Authority (NYSERDA). The financial statements present the financial results of NY Green Bank and not the overall financial results of NYSERDA. A complete set of NYSERDA's audited financial statements is available upon request.

CONDENSED FINANCIAL INFORMATION

The following condensed financial information is presented from NY Green Bank's financial statements.

Summary of Net Position	<i>(Amounts in thousands)</i>		% Change 2022-2021
	March 31, 2022	March 31, 2021	
Cash and investments	\$450,996	386,078	16.8%
Loans and financing receivables, net	549,589	572,700	(4.0)%
Other assets	2,010	3,242	(38.0)%
Total assets	1,002,595	962,020	4.2%
Deferred outflows of resources	4,504	4,289	5.0%
Net pension liability	(230)	3,796	(106.1)%
Net OPEB liability	(1,972)	134	(1,571.6)%
Other liabilities	928	927	0.1%
Total liabilities	(1,274)	4,857	(126.2)%
Deferred inflows of resources	7,095	1,428	396.8%
Net position - restricted	\$1,001,278	960,024	4.3%

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For the year ended March 31, 2022, NY Green Bank continued its focus on execution and asset management across all aspects of its sustainable infrastructure investment business, consistent with comparable established entities with analogous investment activities. NY Green Bank's Loans and Financing Receivables (hereinafter referred to as "Portfolio Investment(s)"), ongoing business development, as well as focus on implementing and maintaining operational platforms, policies and practices are consistent with industry best practices. NY Green Bank has an active pipeline of potential Portfolio Investments that continues to be diversified across technology, location, and end-user segments.

The 16.8% increase in Cash and Investments reflects that NY Green Bank's Portfolio is established with a number of investments starting to pay down, and such returned capital being available for recycling into new Portfolio Investment transactions, in addition to funds received on account of further capitalization. NY Green Bank's cash and invested capital balances reflect \$1.0 billion in funded capitalization received to date. NY Green Bank received incremental capital contributions through NYSERDA as capital was committed (considering projected liquidity needs) and has received the full \$1.0 billion in capitalization which was authorized by the New York State Public Service Commission (Commission). NYSERDA funded these contributions either from a transfer of existing cash and investment balances (of certain Commission authorized programs), or from the Clean Energy Fund (CEF) ratepayer collections held by the electric utilities under the "Bill-As-You-Go" (BAYG) approach, consistent with the Commission Order establishing the CEF. NY Green Bank's forecasted liquidity needs are addressed through these funded capital contributions, or through the use of a credit facility, if and when required. In addition to capitalization from the CEF, the NY Green Bank sold a portion of Portfolio Investments to a third party, which also contributed to the increase in both Cash and Investments as well as Total Assets.

As part of U.S. generally accepted accounting principles (U.S. GAAP), the Governmental Accounting Standards Board (GASB) requires capital contributions made to NY Green Bank from NYSERDA's available cash and investment balances to be treated as transfers, while those derived directly from the BAYG approach be accounted for as non-operating revenues to NY Green Bank. As a result, additions to NY Green Bank's capital during the fiscal year equal the sum of "Capital contributions" under Non-operating revenues and "Transfers In-Capital Contributions (Redemptions)" on NY Green Bank's Statement of Revenues, Expenses and Changes in Fund Net Position.

The variance in Deferred Outflows and Inflows of Resources and Net Pension and OPEB Liabilities results from changes in the actuarially-determined amounts determined through separate actuarial valuations, of which NY Green Bank, as a proprietary fund of NYSERDA, is required to record its proportionate share of NYSERDA actuarially determined amounts.

It is important to note that, consistent with its business model, not all funds that NY Green Bank commits to sustainable infrastructure and clean energy development in the State are intended to be deployed and disbursed immediately, or in some cases, at all, pursuant to executed contractual arrangements. Many NY Green Bank Portfolio Investments relate to distributed generation or energy efficiency finance, which are most commonly focused on funding portfolios of projects. Once a Portfolio Investment of these types closes, developers begin implementing projects and drawing down on capital over time. These financings are "delayed draw" by design in that funds are not deployed until project sponsors meet certain development milestones over a time period necessary to originate, develop and construct a large number of smaller, distributed clean energy projects. NY Green Bank also enters into transactions that are not expected to be funded, such as those involving credit enhancements that comprise a contingent obligation for NY Green Bank, and where NY Green Bank capital is only drawn if a contingency is triggered.

Total Assets and Net Position increased by \$40.6 million and \$41.3 million, during the current fiscal year, respectively. NY Green Bank's Net Position as of March 31, 2022 was \$1,001.3 million, reflecting the total

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capitalization of \$1 billion funded through the end of the year, less \$52.9 million of NYSERDA capital redemptions, plus \$53.7 million in cumulative revenues in excess of cumulative expenses. The \$52.9 million capital redemption reflects a portion of NY Green Bank's initial capitalization funded from Regional Greenhouse Gas Initiative revenues repurposed by NYSERDA to provide funding to support NYSERDA's statewide energy storage initiative.

Summary of Changes in Net Position	<i>(Amounts in thousands)</i>		
	March 31, 2022	March 31, 2021	% Change 2022-2021
Operating revenues:			
Fees	\$10,387	5,284	96.6%
Loans and financing receivables interest	19,016	24,327	(21.8)%
Provision for losses on loans and financing receivables	(5,205)	-	100.0%
Loss on sale of loans and financing receivables	(13,543)	-	100.0%
Total operating revenues:	10,655	29,611	(64.0)%
Operating expenses:			
Salaries and benefits	8,399	8,510	(1.3)%
Investment related expenses	454	585	(22.4)%
Other operating costs	2,245	1,761	27.5%
General and administrative expenses	2,139	1,571	36.2%
Depreciation	177	147	20.4%
NY State assessments	136	149	(8.7)%
Total operating expenses	13,550	12,723	6.5%
Operating (loss) income	(2,895)	16,888	(117.1)%
Non-operating revenues:			
Capital contributions	44,252	336,981	(86.9)%
Investment (loss) income	(9)	216	(104.2)%
Total non-operating revenues	44,243	337,197	(86.9)%
Non-operating expenses:			
Capital expansion	-	410	(100.0)%
Program evaluation	94	45	108.8%
Total non-operating expenses	94	455	(79.3)%
Change in net position	41,254	353,630	(88.3)%
Net position, beginning of year	960,024	606,394	58.3%
Net position, end of year	\$1,001,278	\$960,024	4.3%

Total Operating Revenues decreased \$19.0 million (-64.0)% from the prior year. This is related to the sale of loans & financing receivables to a third party during the second quarter of the fiscal year, which resulted in a \$5.3 million decrease in revenue from loans and financing receivables interest, offset by a \$5.1 million increase in fees. In addition, NY Green Bank had a \$5.2 million provision for losses in loans and financing receivables. The loss on sale reflects a planned initiative of NY Green Bank to monetize existing assets to allow capital to be accessible faster and thus allow more productive near-term use. This transaction resulted in an upfront collection of cash plus rights to any residual payments, net of transaction fees, including an adjustment to the residual value due to pre-payments occurring faster than modeled, and other factors. The loss on this transaction included fees of \$7.8 million and an unrealized loss of \$5.7 million to adjust the residual value to the discounted cash flows at March 31, 2022.

Total Operating Expenses increased \$0.8 million (6.5)%, most significantly driven by increases General & Administrative Expenses as well as Other Operating Costs; these and other costs are discussed below.

General and Administrative Expenses, which include allocable costs such as rent, utilities, and insurance increased \$0.6 million (36.2%) due to an increase in the allocable cost as compared to the prior year.

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Other Operating Costs increased \$0.5 million (27.5%) due to increase in professional service expenses (e.g., consultants and temporary employees).

Salaries and Benefits, which include NY Green Bank staff salary expenses (\$4.6 million), NYSERDA allocated administrative salary expenses (\$1.9 million), and allocated fringe benefit expenses (\$1.9 million), decreased \$0.1 million (-1.3%) from the prior year. This occurred due to a temporary decrease in NY Green Bank's staffing as well as in the overall pool of allocable expenses of which NY Green Bank pays its pro rata share (which is calculated based on NY Green Bank's direct staffing costs as a proportion of NYSERDA's program staffing costs).

Investment Related Expenses, which include legal and other costs incurred for various Portfolio Investments, were 22.4% less than the previous year, which generally reflects increased counterparty reimbursement rates. Depreciation and NY State Assessments reflect NY Green Bank's allocable share of NYSERDA's depreciation and NYSERDA's cost recovery fee (CRF) assessment from the State of New York, respectively. Depreciation increased and NY State Assessments decreased from the prior year.

Investment income decreased \$0.2 million. This was driven largely by lower interest rates on short-term investments held during the fiscal year.

Non-operating expenses decreased \$0.4 million, primarily due to the decrease in capital advisory costs from the prior year.

CAPITAL ASSET AND DEBT ADMINISTRATION

Capital assets are purchased and owned by NYSERDA. NY Green Bank does not maintain capital assets on its Statement of Net Position, but instead is allocated depreciation expense on capital assets from NYSERDA.

ECONOMIC AND OTHER MARKET FACTORS

Portfolio Investments in, and funding of, clean energy projects may be impacted by a number of factors including, but not limited to, general economic conditions, energy prices, materials and equipment availability and costs, energy system reliability, energy technology advancements, and regulatory and public policy matters both within and beyond New York State.

CONTACT FOR NY GREEN BANK'S FINANCIAL MANAGEMENT

This report is designed to provide a general overview of the finances of NY Green Bank, a division of NYSERDA, for interested parties. Questions concerning any information within this report or requests for additional information should be addressed to Pam Poisson, Chief Financial Officer, NYSERDA, 17 Columbia Circle, Albany, NY 12203.

NY Green Bank
(A Division of the New York State Energy Research and Development Authority)
Statement of Net Position
March 31, 2022
(with comparative totals for March 31, 2021)
(Amounts in thousands)

	March 31, 2022	March 31, 2021
<u>ASSETS:</u>		
Current assets:		
Cash and investments	\$ 450,996	386,078
Third-party billings receivable	5	27
Interest receivable on loans	2,005	3,215
Loans and financing receivables due within one year, net	60,419	75,787
Total current assets	513,425	465,107
Non-current assets:		
Loans and financing receivables- long term, net	411,810	496,913
Loans and financing receivables - residual interest	77,360	-
Total non-current assets	489,170	496,913
Total assets	1,002,595	962,020
<u>DEFERRED OUTFLOWS OF RESOURCES</u>		
	4,504	4,289
<u>LIABILITIES:</u>		
Current liabilities:		
Accounts payable	243	94
Accrued liabilities	484	372
Escrow deposits	201	461
Total current liabilities	928	927
Non-current liabilities:		
Net pension liability	(230)	3,796
Net OPEB liability	(1,972)	134
Total non-current liabilities	(2,202)	3,930
Total liabilities	(1,274)	4,857
<u>DEFERRED INFLOWS OF RESOURCES</u>		
	7,095	1,428
<u>NET POSITION:</u>		
Net position restricted for specific programs	\$ 1,001,278	960,024

See accompanying notes to the basic financial statements.

NY Green Bank
 (A Division of the New York State Energy Research and Development Authority)
 Statement of Revenues, Expenses and Changes in Fund Net Position
 For the year ended March 31, 2022
 (with comparative totals for March 31, 2021)
 (Amounts in thousands)

	March 31, 2022	March 31, 2021
<u>OPERATING REVENUES:</u>		
Closing fees	\$ 6,594	3,915
Undrawn fees	1,631	836
Administrative fees	488	273
Other fees	1,674	260
Loans and financing receivables interest	19,016	24,327
Provisions for losses on loans & financing receivables	(5,205)	-
Loss on sale of loans & financing receivables	(13,543)	-
Total operating revenues	10,655	29,611
<u>OPERATING EXPENSES:</u>		
Salaries and benefits	8,399	8,510
Investment related expenses	454	585
Other operating costs	2,245	1,761
General & administrative expenses	2,139	1,571
Depreciation	177	147
NY State assessments	136	149
Total operating expenses	13,550	12,723
OPERATING (LOSS) INCOME	(2,895)	16,888
<u>NON-OPERATING REVENUES:</u>		
Capital contribution	44,252	336,981
Investment (loss) income	(9)	216
Total non-operating revenues	44,243	337,197
<u>NON-OPERATING EXPENSES:</u>		
Capital expansion	-	410
Program evaluation	94	45
Total non-operating expenses	94	455
Change in net position	41,254	353,630
Net position, beginning of period	960,024	606,394
Net position, end of period	\$ 1,001,278	960,024

See accompanying notes to the basic financial statements.

NY Green Bank
(A Division of the New York State Energy Research and Development Authority)
Statement of Cash Flows
For the year ended March 31, 2022
(with comparative totals for March 31, 2021)
(Amounts in thousands)

	<u>March 31,</u> <u>2022</u>	<u>March 31,</u> <u>2021</u>
CASH FLOWS FROM OPERATING ACTIVITIES:		
Closing fees collected	\$ 6,594	3,930
Undrawn fees collected	1,631	786
Administrative fees collected	488	278
Other fees collected	1,674	244
Loans and financing receivables interest collected	20,162	24,338
Disbursement of escrow deposits	(260)	(1,644)
Payments to employees & employee benefit providers	(9,080)	(7,812)
Payments to suppliers	(4,668)	(3,750)
Payment for allocated depreciation	(177)	(147)
Payments to NYS	(136)	(149)
Loans and financing receivables deployed	(516,609)	(344,660)
Loans and financing receivables principal repayments	515,662	213,516
Net cash provided by (used in) operating activities	<u>15,281</u>	<u>(115,070)</u>
CASH FLOWS FROM NON-CAPITAL FINANCING ACTIVITIES:		
Capital contributions	44,252	336,981
Capital expansion	-	(410)
Net cash provided by non-capital financing activities	<u>44,252</u>	<u>336,571</u>
CASH FLOWS FROM INVESTING ACTIVITIES:		
Purchase of investments	(2,327,334)	(2,130,515)
Proceeds from sale of investments	2,237,507	1,936,070
Investment income	58	3,219
Net cash used in investing activities	<u>(89,769)</u>	<u>(191,226)</u>
NET CHANGE IN CASH and CASH EQUIVALENTS:		
Cash and cash equivalents, beginning of period	(30,236)	30,275
Cash and cash equivalents, end of period	<u>44,806</u>	<u>14,531</u>
	<u>\$ 14,570</u>	<u>44,806</u>
RECONCILIATION OF OPERATING (LOSS) INCOME TO NET CASH USED IN OPERATING ACTIVITIES:		
Operating (loss) income	\$ (2,895)	16,888
Adjustments to reconcile operating (loss) income to net cash provided by (used in) operating activities:		
Decrease in third party billings receivable	24	8
Decrease (increase) in interest receivable	1,207	(43)
Decrease (increase) in loans and financing receivables	17,721	(131,141)
Increase in in accounts payable	149	65
Increase in accrued liabilities	111	145
Decrease in escrow deposits	(260)	(1,644)
Net change in pension & OPEB related accounts	(682)	697
Non-operating expenses unrelated to financing activities	(94)	(45)
Net cash provided by (used in) operating activities	<u>\$ 15,281</u>	<u>(115,070)</u>

See accompanying notes to the basic financial statements.

Notes to Basic Financial Statements
March 31, 2022

(1) GENERAL

The \$1.0 billion NY Green Bank was established to attract private sector capital to accelerate clean energy deployment in New York State (NYS or the State). To date, NY Green Bank has participated in transactions by providing: construction and longer-term post-construction financing and investment, financing to enable developers to aggregate smaller distributed assets into portfolios at scale, and credit enhancements.

NY Green Bank works to increase the size, volume, and breadth of clean energy and sustainable infrastructure investment activity throughout the State, expand the base of investors focused on NYS clean energy, and increase clean energy participants' access to capital. To do so, NY Green Bank collaborates with the private sector to develop transaction structures and methodologies that overcome typical clean energy investment barriers, such as challenges in evaluating risk and addressing the needs of distributed energy and efficiency projects where underwriting may be geared more towards larger projects and/or groups of somewhat homogeneous investment opportunities.

NY Green Bank focuses on opportunities that create attractive precedents, standardized practices, and roadmaps that capital providers can willingly replicate and scale. As funders "crowd in" to a particular area within the sustainable infrastructure and clean energy landscape, NY Green Bank moves on to other areas that have attracted less investor interest.

As a key component of New York's Clean Energy Fund (CEF), NY Green Bank is structured to be self-sustaining in that it must ultimately cover its own costs of operation. The CEF is a \$6.17 billion commitment, representing part of the Reforming the Energy Vision (REV) strategy to advance clean energy growth and innovation and drive economic development across the State while reducing ratepayer collections.

NY Green Bank is a division of the New York State Energy Research and Development Authority (NYSERDA). NYSERDA is a public benefit corporation established in 1975 pursuant to Title 9 of Article 8 of the Public Authorities Law of the State of New York. NYSERDA is included in the State's basic financial statements as a component unit.

Pursuant to various Orders of the NYS Public Service Commission (Commission), the Commission authorized a total of \$1 billion in funded capitalization for NY Green Bank. NY Green Bank receives incremental capital contributions through NYSERDA upon executing new commitments of the authorized capital. In turn, NYSERDA funds these contributions either from a transfer of existing cash and investment balances (of certain Commission authorized programs), or from the CEF ratepayer collections held by the electric utilities, an approach known as "Bill As You Go" (BAYG). As of March 31, 2022, NY Green Bank has received the entire \$1 billion of capitalization.

As part of U.S. generally accepted accounting principles (U.S. GAAP), the Governmental Accounting Standards Board (GASB) requires capital contributions made to NY Green Bank from NYSERDA's available cash and investment balances to be treated as transfers, while those derived directly from the BAYG approach be accounted for as non-operating revenues to NY Green Bank. As a result, additions to NY Green Bank's capital during the fiscal year equal the sum of "Capital contributions" under Non-operating revenues and "Transfers in" on NY Green Bank's Statement of Revenues, Expenses and Changes in Fund Net Position.

Notes to Basic Financial Statements
March 31, 2022

(2) SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

(a) Basis of presentation

NY Green Bank is presented as a proprietary fund. Proprietary funds are used to report business-type activities for which a fee is charged to external users for goods or services. NY Green Bank's proprietary fund financial statements are designed to provide readers with a broad overview of NY Green Bank's finances in a manner similar to a private-sector business and consist of a Statement of Net Position; a Statement of Revenues, Expenses and Changes in Fund Net Position; and a Statement of Cash Flows.

Net position restricted for specific programs in the proprietary fund financial statements is defined as the amount of restricted assets and deferred outflows of resources reduced by liabilities and deferred inflows of resources related to those assets.

The accompanying financial statements present only the activities of NY Green Bank and the results of its operations in conformity with U.S. GAAP and are not intended to present the financial position of NYSERDA. These financial statements include certain prior year comparative information but not at the level of detail required for a presentation in conformity with U.S. GAAP. Accordingly, such information should be read in conjunction with NY Green Bank's financial statements for the year ended March 31, 2022, from which the information was derived.

(b) Basis of accounting

Proprietary fund financial statements are prepared using the economic resources measurement focus and accrual basis of accounting. Revenues resulting from exchange transactions are recognized when the exchange takes place. Revenues resulting from non-exchange transactions are recognized when all eligibility requirements (if any) have been met. Expenses are recognized when incurred.

(c) Program operating costs

Program operating costs consist of certain costs that can be directly attributed to the NY Green Bank function. Program operating costs include expenses such as professional service costs and staff travel.

(d) Indirect cost allocation method

NYSERDA incurs certain indirect costs (e.g., administrative salary expense, fringe benefit expense, and general and administrative expense) that are not directly associated with a specific function/program. Therefore, these costs are allocated in proportion to direct salary expenses of each NYSERDA function/program, including NY Green Bank.

Administrative salary expense is comprised of an allocation of NYSERDA's administrative and support unit salaries and fringe benefit expenses. The administrative salary and fringe benefit expenses allocated to NY Green Bank are included in Salaries and Benefits Expense. General and Administrative Expense includes costs such as rent, equipment and facility costs, and information technology costs allocated to NY Green Bank.

(e) Investments

Investments are recorded at fair value, which reflects quoted market prices for U.S. government obligations.

**Notes to Basic Financial Statements
March 31, 2022**

(f) Loans and financing receivables

Loans and financing receivables are recorded at their cost basis. A provision for losses is established on any individual loan and financing receivable which:(i) is delinquent by more than 120 days on payment of principal or interest obligations; and (ii) indicates a deficiency in the present value of expected cash flows discounted at its effective interest rate, or a deficiency in the valuation of its collateral, as compared to its outstanding balance plus any accrued interest receivable. For the fiscal year ended March 31, 2021, there was no provisions for losses. For the fiscal year ended March 31, 2022, there was a \$5.2 million provision for losses. In addition, NY Green bank recorded a loss of \$13.5 million related to the sale of loans & financing receivables to a third party.

(g) Capital assets

NY Green Bank does not maintain capital assets on its Statement of Net Position, but instead is allocated depreciation expense on NYSERDA capital assets. Depreciation is allocated in proportion to direct salary expenses of each NYSERDA function/program, including NY Green Bank.

(h) Deferred outflows of resources and deferred inflow of resources

Deferred outflows of resources as presented represent a consumption of net assets applicable to a future reporting period. Deferred inflows of resources are defined as an acquisition of net assets applicable to a future reporting period. Deferred outflows of resources and deferred inflow of resources include differences between expected projected results and actual results related to NY Green Bank's allocated portion of NYSERDA's net pension and net OPEB liabilities, as well as an allocated portion of retirement plan contributions subsequent to the measurement date.

(i) NY State assessments

NY State assessments represent NY Green Bank's pro-rata share of fees assessed to NYSERDA by the State under Section 2975 of the Public Authorities Law (Governmental Cost Recovery System) for general governmental services, which are allocated in proportion to total expenses of each NYSERDA function/program, including NY Green Bank.

(j) Use of estimates

The preparation of financial statements in conformity with U.S. GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingencies. Estimates also affect the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

(3) CASH AND INVESTMENTS

Pursuant to Public Authorities Law Section 1859(1), the Commissioner of the New York State Department of Taxation and Finance (Fiscal Agent) serves as fiscal agent for NYSERDA's cash and investments, maintaining such funds on NYSERDA's behalf and implementing investments subject to the Fiscal Agent's policies and with direction and authorization from NYSERDA. NY Green Bank investments are subject to an investment policy approved by NYSERDA's Board. The policy permits deposits with financial institutions approved by the Fiscal Agent and permits investments in: certificates of deposit of bank or trust companies located in New York State, obligations of New York State and the U.S. government and certain of their agencies, repurchase agreements subject to certain limitations, and money market funds subject to certain limitations.

The following schedule presents NY Green Bank's cash and investments as of March 31, 2022. Fair value is measured using quoted market prices for U.S. government obligations. GASB Statement No. 72, *Fair Value Measurement and Application*, prescribes three approaches to measuring fair value and requires a government to use valuation techniques consistent with one or more of these

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**Notes to Basic Financial Statements
March 31, 2022**

approaches. The standard establishes a fair value hierarchy that categorizes the inputs to valuation

techniques used to measure fair value into three levels. Level 1 inputs are quoted prices (unadjusted) for identical assets or liabilities in active markets that a government can access at the measurement date. Level 2 inputs are inputs – other than quoted prices included within Level 1 – that are observable for an asset or liability, either directly or indirectly. Level 3 inputs are unobservable inputs for an asset or liability. The fair value hierarchy gives the highest priority to Level 1 inputs and the lowest priority to Level 3 inputs. All NY Green Bank investments are valued based on Level 1 inputs.

		<u>Fair Value</u>	<u>% of Total</u>	<u>Weighted Average Maturity (months)</u>
Cash and equivalents	\$	14,570	3.2	N/A
U.S. Treasury Bills		436,426	96.8	<u>2.4</u>
Total	\$	450,996	100.0	<u>2.4</u>
Current Portion	\$	<u>450,996</u>		

In addition to being subject to NYSERDA's investment policy, NY Green Bank is also subject to the same interest rate risk, concentration of credit risk, custodial credit risk for deposits, and custodial credit risks for investments.

Interest Rate Risk. NYSERDA's investment policy limits investment maturities to no longer than five years as a means of managing its exposure to fair value losses arising from increasing interest rates. Investment maturities are selected based on anticipated cash flow needs.

Concentration of Credit Risk. NYSERDA's investment policy limits investments with any single eligible banking institution to no more than 35% of its total investment portfolio, except as otherwise required by any policies and practices of the Fiscal Agent. As of March 31, 2022, NYSERDA did not have any investments with institutions that were individually in excess of 5% of total investments.

Custodial Credit Risk for Deposits. Deposits are exposed to custodial credit risk if the deposits are not covered by depository insurance or deposits are uncollateralized, collateralized with securities held by the pledging financial institution, or collateralized with securities held by the pledging institution's trust department or agent, but not in the name of NYSERDA.

In accordance with existing policies and procedures, the Fiscal Agent for NYSERDA monitors deposit balances for the purpose of determining collateralization levels. Collateral sufficient to cover all uninsured deposits is held at the Fiscal Agent's custodial bank.

Custodial Credit Risk for Investments. Investment securities are exposed to custodial credit risk if the securities are uninsured, are not registered in the name of NYSERDA and are held either by the counterparty or the counterparty's trust department or agent, but not in the name of NYSERDA.

Fixed income investments owned directly by NYSERDA including those held on behalf of NY Green Bank, which trade in the U.S. markets, are held at NYSERDA's fiscal agent's custodian, in separate accounts, in the name of the Comptroller of the State of New York in Trust for NYSERDA.

These securities are typically held in electronic form through the Federal Book Entry System and by the Depository Trust Company (DTC) and its subsidiaries acting as an agent of NYSERDA's fiscal agent's custodian bank.

NY Green Bank
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**Notes to Basic Financial Statements
March 31, 2022**

The following is a summary of cash and investments and related committed capital as of March 31, 2022:

(Amounts in thousands)

<u>Cash and Investments</u>	<u>Committed Capital</u>
\$450,996	\$258,831

NY Green Bank's investment portfolio at any time consists of two components: committed capital and deployed capital. Committed capital relates to clean energy/sustainable infrastructure investments that NY Green Bank has legally executed, but where capital has not yet been deployed. This is supplemented by capital that has been deployed into NY Green Bank's clean energy transactions, pursuant to the terms of those arrangements. At March 31, 2022, NY Green Bank committed capital was \$258.8 million and deployed capital was \$472.2 million (net of provision for losses on loans and financing receivables), as discussed further in note 4.

(4) LOANS AND FINANCING RECEIVABLES

Loans and financing receivables consist of sustainable infrastructure investments made by NY Green Bank into eligible technologies, consistent with its mission and investment criteria. These loans and financing transactions aim to mobilize private sector capital during the lifecycle of each investment, accelerate the deployment of economically and technically feasible clean energy projects in the State, provide financial returns to NY Green Bank, and contribute to New York's clean energy policy outcomes. NY Green Bank offers the following categories of capital solutions: construction finance, construction finance & term loan, term loans & investments (which may be debt or equity), warehousing/aggregation, and credit enhancements. NY Green Bank prices its products to reflect its credit underwriting, its risk position in the capital structure and pricing for comparable transactions, as well as internal portfolio return needs taking into account current market rates as well as commercial expectations of rates.

Loans and financing receivables at March 31, 2022 include the following:

	<u>Number of Transactions</u>	<i>(Amounts in thousands)</i> <u>Loans and Financing Receivables Outstanding</u>
Construction Finance	7	\$ 34,421
Construction Finance & Term Loan	13	242,269
Term Loan & Investments	19	130,355
Warehousing / Aggregation	<u>4</u>	<u>65,184</u>
Total	<u>43</u>	<u>\$ 472,229</u>

NY Green Bank
(A Division of the New York State Energy Research and Development Authority)

**Notes to Basic Financial Statements
March 31, 2022**

Loans and financing receivables at March 31, 2022 mature as follows:

(Amounts in thousands)

Fiscal year ending <u>March 31</u>	<u>Construction Finance</u>	<u>Construction Finance & Term Loan</u>	<u>Term Loan & Investments</u>	<u>Warehousing /Aggregation</u>	<u>Total</u>
2023	14,214	24,998	9,675	11,532	\$ 60,419
2024	1,585	27,012	7,236	15,272	51,105
2025	-	27,021	12,812	38,380	78,213
2026	-	27,031	24,311	-	51,342
2027	10,695	27,328	947	-	38,970
2028-2032	7,927	61,922	22,190	-	92,039
<u>2033-2037</u>	<u>-</u>	<u>46,957</u>	<u>53,184</u>	<u>-</u>	<u>100,141</u>
Total	<u>\$ 34,421</u>	<u>242,269</u>	<u>130,355</u>	<u>65,184</u>	<u>\$ 472,229</u>

Loans and Financing Receivables - Residual Interest

In July 2021, as part of a planned initiative to monetize existing assets to allow capital to be accessible faster and thus allow more productive near-term use, NY Green Bank entered into a transaction to transfer its interest in a defined portfolio of loans to a third party. This transaction resulted in an upfront collection of cash plus rights to any residual payments, net of known transaction fees, including a residual value adjustment due to pre-payments occurring faster than modeled, and other factors. Pursuant to a Receivable Purchase Agreement, NY Green Bank relinquished its title and interest in the underlying loans to the third party, as purchaser. NY Green Bank has no obligation to provide payment to the third party from any other source if the borrowers are unable to make payments on the loans. NY Green Bank applied GASB No. 48, *Sales and Pledges of Receivables and Future Revenues and Intra-entity Transfers of Assets and Future Revenues* and accounted for the transfer as a sale of loans. Based on the terms of the transaction, NY Green Bank received \$313.7 million up front in addition to deferred compensation (the "Residual Interest", or "Deferred Purchase Price"), representing the remaining principal and interest payments when the initial advance has been fully satisfied by cash flows from loan principal and interest payments. The principal value of the loans and accrued interest at closing of \$379.1 million was derecognized and a deferred purchase price asset was recognized at closing, which totaled \$64.5 million. Fees and related closing costs incurred related to the transaction were recognized totaling \$7.8 million. The deferred purchase price recognized at closing was initially based on fair value, which was measured using direct and indirect observable inputs (level 2), including market interest rates, contractual cash flows, and credit risk. Subsequent to closing, including in future accounting periods, the deferred purchase price will be adjusted if indicators of impairment exist and the value is determined to have decreased. In addition, during the year ended March 31, 2022, NY Green Bank made incremental contractually required funding of loan facilities, which increased the deferred purchase price by \$18.8 million. During the fiscal year ended March 31, 2022, as a result of loan pre-payments and other factors, a loss of \$5.7 million was recognized to reduce the value of the deferred purchase price. In connection with the Receivable Purchase Agreement, NY Green Bank will provide certain loan servicing activities for 0.5% of the average outstanding value of the loan portfolio.

**Notes to Basic Financial Statements
March 31, 2022**

(5) NON-CURRENT LIABILITIES

NY Green Bank's non-current liability represents the share of NYSERDA's net pension liability and net OPEB liability which is expected to be paid by NY Green Bank. Pension and OPEB related deferred outflows of resources and deferred inflows of resources are recognized by NY Green Bank to the extent they relate to NY Green Bank's share of the total amount recognized by NYSERDA as a whole.

Non-current liability activity for the year ended March 31, 2022 was as follows:

(Amounts in thousands)

	<u>Beginning Balance</u>	<u>Additions</u>	<u>Reductions</u>	<u>Ending Balance</u>
Net pension liability	\$3,796	3,030	(7,056)	(230)
Net OPEB liability	<u>134</u>	<u>275</u>	<u>(2,381)</u>	<u>(1,972)</u>
Total non-current liabilities	<u>\$3,930</u>	<u>3,305</u>	<u>(9,437)</u>	<u>(2,202)</u>

(6) CONTINGENCIES

Risk Management

NYSERDA is exposed to various risks of loss related to torts; theft of, damage to, and destruction of assets; errors and omissions; injuries to employees; and natural disasters. NYSERDA maintains commercial insurance coverage for each of those risks of loss. Management believes such coverage is sufficient to preclude any significant uninsured losses to NYSERDA. NYSERDA has not experienced any reductions in coverage and has not had any insurance settlements exceeding the coverage in the past three years. NY Green Bank is covered by NYSERDA's insurance policies.

Contingent Obligations

As of March 31, 2022, NY Green Bank has entered into four credit contracts which, consistent with their terms, have not been funded but contain contingent obligations. NY Green Bank capital is only drawn if a contingent obligation under the respective agreement is triggered. The amount of contingent obligations as of March 31, 2022 totaled approximately \$5.0 million.

Any draws made on the above contingent obligations would be due to be repaid pursuant to the terms of their respective agreements.

(7) SUBSEQUENT EVENTS

The COVID-19 health crisis has impacted certain operational performance and programmatic spending levels for the fiscal year ended March 31, 2022 but has not had a material impact on the financial condition of NYSERDA as of March 31, 2022. As of June 28, 2022, the issuance date of the financial statements, the extent to which COVID-19 may impact NYSERDA's future programmatic activities and accomplishments, if any, is uncertain.

NY Green Bank
Comparison of Statement of Net Position amounts to Prior Audited Balances
March 31, 2022

(Amounts in thousands)

	<u>March 31, 2022</u>	<u>March 31, 2021</u>	Change from March 31, 2021
Cash and Investments	450,996	386,078	64,918
Analysis: Variance is primarily due to additional capital received as a result of selling a portion of NYGB's Loan and financing receivables portfolio, offset by capital deployed for new and existing transactions in the portfolio. As of March 31, 2022 committed capital not yet deployed totaled \$258.8 million; the balance of cash and investments primarily reflects repayments that have been received on prior capital committed and deployed, and will be used to fund additional capital commitments.			
Third-party billings receivable	5	27	(22)
Analysis: Decrease due to timing of outstanding fees and receivables collected.			
Interest receivable on loans	2,005	3,215	(1,210)
Analysis: Variance is the result of the timing of receipt for interest payments and the amount of capital deployed.			
Loans and financing receivables - current and non-current totals	472,229	572,700	(100,471)
Analysis: Decrease is due sale of loans to a third-party investor, as well as net loan activity (new loans issued as well as additional capital deployed on existing transactions, offset by principal payments received).			
Loans and financing receivables - residual interest	77,360	-	77,360
Analysis: Residual interest is the remaining value of the loans & financing receivables sold to a third party in July 2021.			
Total assets	1,002,595	962,020	40,575
Deferred outflows of resources	4,504	4,289	215
Analysis: Reflects amortization of actuarially-determined deferred outflows of resources (deferred pension & OPEB expense resulting from actuarial smoothing practices), as well as amortization of the prior fiscal year's contributions subsequent to measurement date and addition of similar current fiscal year's contributions.			
Accounts payable	243	94	149
Analysis: Increase due to timing of vendor payments.			
Accrued liabilities	484	372	112
Analysis: Reflects an increase in legal, consulting and other vendor expenses as compared to prior year.			
Escrow deposits	201	461	(260)
Analysis: Decrease is due to released deposits on newly closed NYGB transactions.			
Long-term liabilities:			
Net pension liability	(230)	3,796	(4,026)
Net OPEB liability	(1,972)	134	(2,106)
Total non-current liabilities	(2,202)	3,930	(6,132)
Analysis: The decreases in the Net OPEB and Net pension liabilities principally reflect much higher than expected investment returns, as the market mostly rebounded after the large valuation decrease experienced near the time of the initial outbreak of the Covid-19 virus.			
Total liabilities	(1,274)	4,857	(6,131)
Deferred inflows of resources	7,095	1,428	5,667
Analysis: Reflects amortization of actuarially-determined deferred inflows of resources (deferred pension & OPEB expense resulting from actuarial smoothing practices).			
Net position:			
Funded capitalization	1,000,524	956,272	44,252
Capital redemption	(52,926)	(52,926)	-
Cumulative revenues in excess of expenses	53,680	56,678	(2,998)
Net position	1,001,278	960,024	41,254
Analysis: Increase is due to an increase in funded capitalization of approximately \$44 million offset by a decrease in cumulative revenues in excess of expenses of \$3.0 million.			

NY Green Bank
Comparison of Revenues/Expenses to Budget
For the year ended March 31, 2022

	(Amounts in Thousands)		(for comparison only)	
	Actual	Budget	Over (under) Budget	
	March 31, 2022		\$	%
REVENUES				
Fees (Closing, Undrawn, Administrative & Other)	10,387	3,968	6,419	161.8%
Analysis: Actual was greater than budget due to more loans closing than expected with higher fees. NYGB also collected amendment fees and other fees which are not included in the budget.				
Loans and financing receivables interest	19,016	25,580	(6,564)	-25.7%
Analysis: Decrease is due primarily to sale of loans to a third-party investor.				
Provision for losses on loans and financing receivables	(5,205)	-	(5,205)	100.0%
Analysis: Increase is due to write down of loans & financing receivables which was not contemplated in the budget.				
Loss on sale of loans and financing receivables	(13,543)	-	(13,543)	100.0%
Analysis: Represents net loss from the sale of a portion of NY Green Bank's Loans and financing receivables portfolio. The net loss is comprised of a valuation of the residual interest (future cash flows of these instruments), less transaction fees and expenses.				
Subtotal: Operating revenues	10,655	29,548	(18,893)	-63.9%
Investment income	(9)	344	(353)	-102.6%
Analysis: Decrease is due to lower balances and rates than anticipated in the budget.				
Capital contribution revenue	44,252	-	44,252	100.0%
Analysis: Capital calls not contemplated in the budget.				
Subtotal: Non-operating revenues	44,243	344	43,899	12761.3%
Total operating and non-operating revenues	54,898	29,892	25,006	83.7%
EXPENSES				
Salaries	6,523	6,716	(193)	-2.9%
Fringe benefits	1,876	3,876	(2,000)	-51.6%
Salaries and benefits	8,399	10,592	(2,193)	-20.7%
Analysis: Salaries variance is primarily due to an increase in vacancy levels than anticipated in budgetary assumptions. The variance in fringe benefits is primarily due to the Authority's lower allocable cost pool, due to 'no' FY21-22 OPEB expense and lower than anticipated pension expense, as a result of the most recent actuarial valuations which reflected much better market performance than previously projected.				
Investment related expenses	454	212	242	114.2%
Analysis: Variance is due to higher costs incurred as well as lower counterparty reimbursement rates than anticipated.				
Other operating costs				
Travel and outreach costs	2	52	(50)	-96.2%
Training, development, recruitment & relocation	71	92	(21)	-22.8%
Professional & consulting services	2,172	1,576	596	37.8%
	2,245	1,720	525	30.5%
Analysis: Variance is due higher professional and consulting services than anticipated in the budget, as well as lower travel, training and development expenses than anticipated.				
General and administrative expenses	2,139	1,940	199	10.3%
Analysis: Variance is due to higher allocable costs vs. what was anticipated in the budget.				
Analysis: Increase is due to an increase in funded capitalization of approximately \$44 million offset by a decrease in cumulative revenues in excess of expenses of \$3.0 million.				
Depreciation	177	192	(15)	-7.8%
Analysis: Variance is due to lower allocable cost from NYSERDA resulting primarily from the difference in planned capital asset additions as compared to budget expectations.				
New York State assessments	136	140	(4)	-2.9%
Analysis: Minor variance.				
Program evaluation	94	600	(506)	-84.3%
Analysis: Variance in evaluation activities is due to timing of activities during the year versus what was anticipated in the budget.				
Total expenses	13,644	15,396	(1,752)	-11.4%



KPMG LLP
515 Broadway
Albany, NY 12207-2974

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June __, 2022

Members of the Authority
New York State Energy Research and Development Authority
Albany, NY

To the Members of the Authority:

We have audited the financial statements of New York State Energy Research and Development Authority and the stand-alone financial statements of the Authority's enterprise fund, NY Green Bank, (collectively, the Authority) as of March 31, 2022 and for each of the years then ended, and expect to issue our report thereon under date of June __, 2022. Under our professional standards, we are providing you with the accompanying information related to the conduct of our audits.

Our Responsibility Under Professional Standards

We are responsible for forming and expressing an opinion about whether the financial statements, that have been prepared by management with the oversight of Members of the Authority, are presented fairly, in all material respects, in conformity with U.S. generally accepted accounting principles. We have a responsibility to perform our audit of the financial statements in accordance with auditing standards generally accepted in the United States of America (AICPA). In carrying out this responsibility, we planned and performed the audit to obtain reasonable assurance about whether the financial statements as a whole are free of material misstatement, whether caused by error or fraud. Because of the nature of audit evidence and the characteristics of fraud, we are to obtain reasonable, not absolute, assurance that material misstatements are detected. We have no responsibility to plan and perform the audit to obtain reasonable assurance that misstatements, whether caused by error or fraud, that are not material to the financial statements are detected. Our audit does not relieve management or Members of the Authority of their responsibilities.

In addition, in planning and performing our audit of the financial statements, we considered internal control over financial reporting (internal control) as a basis for designing audit procedures that are appropriate in the circumstances for the purpose of expressing our opinion on the financial statements but not for the purpose of expressing an opinion on the effectiveness of the Authority's internal control over financial reporting. Accordingly, we do not express an opinion on the effectiveness of the Authority's internal control.

We also have a responsibility to communicate significant matters related to the financial statement audit that are, in our professional judgment, relevant to the responsibilities of members of the Authority in overseeing the financial reporting process. We are not required to design procedures for the purpose of identifying other matters to communicate to you.

Significant Unusual Transactions

As disclosed in Note 5 to the financial statements, on July 28, 2021, NY Green Bank transferred loans to a trust controlled by third-party financial institution. In connection with the transfer, NY Green Bank, relinquished its title and interest in the underlying loans to the third party, as purchaser. NY Green Bank applied GASB No. 64, *Sales and Pledges of Receivables and Future Revenues and Intra-entity Transfers of Assets and Future*

Revenues, and accounted for the transfer as a sale of loans. Accordingly, the aggregate principal balance and accrued interest of the loans of \$379.1 million at closing was de-recognized at closing. Based on the terms of the transaction, NY Green Bank received \$313.7 million up-front in addition to deferred compensation, which was valued at of \$64.5 million as of closing, which represents the remaining principal and interest payments due to Green Bank upon satisfaction of specified amount of principal and interest payments made to the purchaser. Fees and related closing cost incurred related to the transaction were recognized at closing and totaling \$7.8 million. The loss recognized on the sale, including any subsequent impairment, was \$13.5 million.

We concur with the accounting treatment related to this transfer and management's conclusions in the circumstances.

Uncorrected and Corrected Misstatements

Uncorrected Misstatements and Financial Statement Presentation and Disclosure Omissions

In connection with our audit of the Authority's financial statements, no uncorrected financial statement misstatements in the Authority's books and records or financial statement presentation and disclosure omissions were identified as of and for the year ended March 31, 2022. We have communicated that finding to management.

Corrected Misstatements

In connection with our audit of the Authority's financial statements, no corrected financial statement misstatements in the Authority's books and records were identified as of and for the year ended March 31, 2022.

Non-GAAP Accounting Policies and Practices

The Authority has adopted certain accounting policies or practices that, if applied to significant items or transactions, are not in accordance with U.S. generally accepted accounting principles. The Authority has evaluated the effect of the application of such policies and practices on the financial statements and concluded that such effect is not material to the 2022 financial statements.

Auditors' Report

We were engaged by the Authority to report on key audit matters and have did not identify any such matters during the audit of the financial statements.

Significant Accounting Policies and Practices

In connection with our audit of the Authority's financial statements, no new, or changes in, significant accounting policies and practices were identified.

Qualitative Aspects of Accounting Practices

We have discussed with the Members of the Authority and management our judgments about the quality, not just the acceptability, of the Authority's accounting policies as applied in its financial reporting. The discussions generally included such matters as the consistency of the Authority's accounting policies and their application, and the understandability and completeness of the Authority's financial statements, which include related disclosures.

Significant Accounting Estimates and Significant Financial Statement Disclosures

The preparation of the financial statements requires management of the Authority to make a number of estimates and assumptions relating to the reported amounts of assets and liabilities and the disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the period.

We evaluated management's estimates, including possible management bias in developing the estimates, and determined that these estimates were reasonable in relation to the financial statements as a whole.

Related Parties

We have discussed with Members of the Authority significant findings and issues arising during the audit with the Authority's related parties.

Noncompliance with Laws and Regulations, including Illegal Acts or Fraud

In connection with our audit of the Authority's financial statements, no identified or suspected instances of non-compliance with laws and regulations, including illegal acts or fraud, have come to our attention.

Significant Difficulties Encountered During the Audit

We encountered no significant difficulties in dealing with management in performing our audit. **Management's Consultation with Other Accountants**

To the best of our knowledge, management has not consulted with other accountants during the year ended March 31, 2022

Difficult or Contentious Matters for Which We Consulted

In connection with the significant unusual transaction previously noted, we consulted with our firm's Department of Professional Practice regarding the accounting treatment for the sale of the loans to a third-party financial institution. **Disagreements with Management**

There were no disagreements with management on financial accounting and reporting matters that individually or in the aggregate could be significant to the Authority's financial statements, or our report. **Written Communications**

Attached to this letter please find copies of the following written communications between management and us:

1. Engagement letter
2. Management representation letter

Independence

We are not aware of any circumstances or relationships, that in our professional judgement, may reasonably be thought to bear on independence or to which we gave significant consideration in reaching the conclusion that independence has not been impaired. *Affirmation of Independence*

In connection with our audit of the Authority, KPMG and relevant KPMG professionals have complied with relevant ethical requirements regarding independence, as that term is defined by the professional standards.

* * * * *

This letter to the Members of the Authority is intended solely for the information and use of the Members of the Authority and management and is not intended to be and should not be used by anyone other than these specified parties.

Very truly yours,

 (signed) KPMG LLP



KPMG LLP
515 Broadway
Albany, NY 12207-2974

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June __, 2022

Members of the Authority
New York State Energy Research and Development Authority
Albany, New York

Ladies and Gentlemen:

In planning and performing our audit of the governmental activities, the business-type activities, each major fund, and the aggregate remaining fund information of New York State Energy Research and Development Authority (the Authority), which collectively comprise the basic financial statements of the Authority, as of and for the year ended March 31, 2022, in accordance with auditing standards generally accepted in the United States of America, we considered the Authority's internal control over financial reporting (internal control) as a basis for designing audit procedures that are appropriate in the circumstances for the purpose of expressing our opinion on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the Authority's internal control. Accordingly, we do not express an opinion on the effectiveness of the Authority's internal control.

A deficiency in internal control exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct misstatements on a timely basis. A material weakness is a deficiency, or combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected on a timely basis.

Our consideration of internal control was for the limited purpose described in the first paragraph and was not designed to identify all deficiencies in internal control that might be material weaknesses. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses, as defined above. However, material weaknesses may exist that have not been identified.

This communication is intended solely for the information and use of management, Members of the Authority, and others within the organization, and is not intended to be and should not be used by anyone other than these specified parties.

Very truly yours,

[(signed) KPMG LLP]



KPMG LLP
515 Broadway
Albany, NY 12207-2974

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Independent Auditors' Report on Internal Control Over Financial Reporting and on Compliance and Other Matters Based on an Audit of Financial Statements Performed in Accordance With Government Auditing Standards

Members of the Authority
New York State Energy Research and Development Authority

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the financial statements of the governmental activities, the business-type activities, each major fund, and the aggregate remaining fund information the New York State Energy Research and Development Authority (the Authority), a component unit of the State of New York, as of and for the year ended March 31, 2022, and the related notes to the financial statements, which collectively comprise the Authority's basic financial statements, and have issued our report thereon dated June __, 2022.

Report on Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered the Authority's internal control over financial reporting (internal control) as a basis for designing audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the Authority's internal control. Accordingly, we do not express an opinion on the effectiveness of the Authority's internal control.

A deficiency in internal control exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. A material weakness is a deficiency, or a combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected, on a timely basis. A significant deficiency is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses or significant deficiencies may exist that were not identified.

Report on Compliance and Other Matters

As part of obtaining reasonable assurance about whether the Authority's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the financial statements. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our

tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

Purpose of This Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the entity's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the entity's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

[(signed) KPMG LLP]

Albany, New York
June __, 2022



KPMG LLP
515 Broadway
Albany, NY 12207-2974

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Independent Auditors' Report on Internal Control Over Financial Reporting and on Compliance and Other Matters Based on an Audit of Financial Statements Performed in Accordance With *Government Auditing Standards*

Members of the Authority
New York State Energy Research and Development Authority

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the financial statements of NY Green Bank (the Fund) , an enterprise fund of the New York State Energy Research and Development Authority, which comprise the Fund's statement of financial position as of March 31, 2022, and the related statements of revenues, expenses and changes in fund net position, and cash flows for the year then ended, and the related notes to the financial statements, and have issued our report thereon dated June __, 2022.

Report on Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered the Fund's internal control over financial reporting (internal control) as a basis for designing audit procedures that are appropriate in the circumstances for the purpose of expressing our opinion on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the Fund's internal control. Accordingly, we do not express an opinion on the effectiveness of the Fund's internal control.

A deficiency in internal control exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. A material weakness is a deficiency, or a combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected, on a timely basis. A significant deficiency is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses or significant deficiencies may exist that were not identified.

Report on Compliance and Other Matters

As part of obtaining reasonable assurance about whether the Fund's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the financial statements. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests

disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

Purpose of This Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the entity's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the entity's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

[(signed) KPMG LLP]

Albany, New York
June __, 2022

Resolution No. _____

RESOLVED, that the Financial Statements of the Authority and the Financial Statements of NY Green Bank as of March 31, 2022, as presented at this June 28, 2022 meeting is hereby recommended for approval by the Board as the financial reports required by Sections 1867(1) and 2800 of the Public Authorities Law.

**WASTE AND FACILITIES
MANAGEMENT COMMITTEE
(ORAL REPORT)**

**PROGRAM PLANNING
COMMITTEE
(ORAL REPORT)**

**NY GREEN BANK
(ORAL REPORT)**

NEW YORK STATE ENERGY RESEARCH AND DEVELOPMENT AUTHORITY

CONFLICT OF INTEREST POLICY FOR BOARD MEMBERS

June 2022

All board members shall be provided with this Conflict of Interest Policy upon their appointment to the NYSERDA Board and are required to acknowledge that they have read, understand, and are in compliance with the terms of the Policy. Board members should review, on an ongoing basis, circumstances that constitute a conflict of interest or the appearance of a conflict of interest and should abide by this policy and seek guidance when necessary and appropriate.

This policy is intended to supplement, but not replace, any applicable state and federal laws and regulations governing conflicts of interest applicable to unpaid board members of public authorities.

Conflicts of Interest: A conflict of interest is a situation in which the financial, familial, or personal interests of a board member come into actual or perceived conflict with their duties and responsibilities as a board member of the Authority. Perceived conflicts of interest are situations where there is the appearance that a board member can personally benefit from actions or decisions made in their official capacity, or where a board member may be influenced to act in a manner that does not represent the best interests of the Authority. The perception of a conflict of interest may occur if circumstances would suggest to a reasonable person that a board member may have a conflict. The appearance of a conflict and an actual conflict should be treated in the same manner for the purposes of this Policy.

Board members must conduct themselves at all times in a manner that avoids any appearance that they can be improperly or unduly influenced, that they could be affected by the position of or relationship with any other party, or that they are acting in violation of the public trust. While it is not possible to describe or anticipate all the circumstances that might involve a conflict of interest, a conflict of interest typically arises whenever a board member has or will have:

- A financial or personal interest in any person, firm, corporation or association which has or will have a transaction, agreement or any other arrangement in which the Authority participates;
- The ability to use his or her position, confidential information or the assets of the Authority, to his or her personal advantage;
- Any other circumstance that may or appear to make it difficult for the board member to exercise independent judgment and properly exercise his or her official duties.

PROCEDURES

Duty to Disclose: All material facts related to the conflict of interest (including the nature of the interest and information about the conflicting transaction) shall be disclosed in good faith to the General Counsel and/or Ethics Officer. Such disclosure shall be made part of the official record of the proceedings of the Authority.

Determining Whether a Conflict of Interest Exists: The General Counsel and/or Ethics Officer shall advise the individual who appears to have a conflict of interest how to proceed. The General Counsel and/or Ethics Officer should seek guidance from the Joint Commission on Public Ethics (JCOPE) when dealing with cases where they are unsure of what to do.

Recusal and Abstention: No board member may participate in any decision or take any official action with respect to any matter requiring the exercise of discretion, including discussing the matter and voting, when he or she knows or has reason to know that the action could confer a direct or indirect financial or material benefit on himself or herself, a relative, or any organization in which he or she is deemed to have an interest. Board members must recuse themselves from deliberations, votes, or internal discussion on matters relating to any organization, entity or individual where their impartiality in the deliberation or vote might be reasonably questioned, and are prohibited from attempting to influence other board members in the deliberation and voting on the matter.

Records of Conflict of Interest: The minutes of the Authority's meetings during which a perceived or actual conflict of interest is disclosed or discussed shall reflect the name of the interested person, the nature of the conflict, and a description of how the conflict was resolved.

Confidential Information: Information obtained as a result of board membership, and not otherwise public, must not be disclosed, and may not be used to further your interests or the interests of a relative.

Unwarranted Privileges: Do not use or attempt to use your position on the board to obtain preferential treatment for yourself or others.

Nepotism: Do not participate in any way in a decision to hire, promote or discipline a family member paid by the Authority.

Gifts: Do not accept anything of value where (a) it could reasonably be inferred that it is a gift intended to influence you, in the performance of your board duties; or (b) was given to you as a sign of appreciation for board member action. Ask the General Counsel and/or Ethics Officer to determine the appropriate course of action in a particular circumstance.

Political Activity: Certain board members cannot do the following – please discuss with the General Counsel and/or Ethics Officer whether these prohibitions apply to you:

- a. Serve as an officer of any political party or political organization;
- b. Serve as a member of any political party committee, including serving as a political party district leader or member of the national committee of a political party; or
- c. Give or raise monetary contributions for the State of New York Governor's political campaign.

Outside Activities: You may not engage in outside activities that would impair your judgment or compromise or interfere with your ability to properly perform your duties. You may not engage in outside activities that create an actual conflict of interest or the appearance of a conflict of interest. You should consult with the General Counsel and/or Ethics Officer if you have any questions concerning your outside activities. You may not use NYSERDA time, materials, equipment or other assets in connection with outside activities.

Reverse Two Year Bar: For the first two years you serve on the NYSERDA Board, you should not participate or be involved in the decision-making process for NYSERDA in relation to any matter involving a person or business in the private sector by whom you are currently employed or by whom you were employed during the two years preceding NYSERDA service or employment.

Reporting of Violations: Board members should promptly report any violations of this Policy to Authority's General Counsel, Ethics Officer or Director of Human Resources in accordance with the Authority's Whistleblower Policy and Procedures.

Penalties: Any board member that fails to comply with this policy may be penalized in the manner provided for in law, rules or regulations.

Resolution No. _____

RESOLVED, that the Conflict of Interest Policy for Board Members as presented at this June 28, 2022 meeting, is hereby approved by the Board.

NEW YORK STATE

ENERGY RESEARCH AND DEVELOPMENT AUTHORITY BY-LAWS

As Amended through ~~October 2021~~June 2022

NEW YORK STATE
ENERGY RESEARCH AND DEVELOPMENT AUTHORITY

BY-LAWS

ARTICLE I

Offices

SECTION 1. Principal Office. The principal office of the Authority shall be located at such place within the State of New York as the Authority shall designate.

SECTION 2. Other Offices. The Authority may also have offices at such other place or places within the State of New York as the Authority may from time to time determine to be necessary or appropriate for the conduct of its operations.

SECTION 3. Books and Records. Except as otherwise directed by the Authority or as the operations of the Authority may require, all the books and records of the Authority shall be kept at the principal office of the Authority.

ARTICLE II

Members and Meetings

SECTION 1. Members. The powers of the Authority, including, but not limited to Section 2824 of the Public Authorities Law, shall be vested in and exercised by the Members of the Authority who shall be selected as provided in the New York State Energy Research and Development Authority Act and shall hold office subject to the terms and conditions therein set forth.

SECTION 2. Annual Meetings. The Annual Meeting of the Authority shall be held without notice on the second Monday in June in each year or on such other date in each calendar year as the Chair may designate by notice given to the other Members.

SECTION 3. Regular Meetings. Regular meetings of the Authority shall be held without notice on the second Monday in January, April, and September of each year or on such other dates as the Chair may designate by notice given to the other Members.

SECTION 4. Special Meetings. Special meetings of the Authority may be called by the Chair and shall be called by the Secretary at the request of the Chair or upon the written request of any three Members.

SECTION 5. Place of Meetings. The Annual Meeting of the Authority shall be held at the principal office of the Authority unless the Chair shall designate a different place or places for attendance in person or through videoconferencing by notice given to the other Members. Other meetings of the Authority may be held either within or without the State of New York at such places for attendance in person or through videoconferencing as may be designated in the respective notice of meeting or waiver thereof or as may be fixed by the Authority in the case of regular meetings of the Authority.

(A) Use of Videoconferencing. Videoconferencing may be used as a general matter when at least a quorum of Members are in physical locations where the public can attend. Provided the afore-mentioned quorum requirement is met, a Member may attend a meeting via videoconference at a private location when extraordinary circumstances prevent physical attendance.

(B) Extraordinary Circumstances. Extraordinary circumstances include disability, illness, other medical condition, caregiving responsibilities, military service, death of a relative, or other urgent or unexpected circumstances that prevents physical attendance. An extraordinary circumstances request shall be to the Chair (or the Chair's designee) and Authority staff assigned to support the Board as soon as reasonably possible after a Member becomes aware of the extraordinary circumstance. The Chair (or the Chair's designee) shall approve or deny an extraordinary circumstances request and shall inform the Member who made the request and the Authority staff assigned to support the Board of the decision. The minutes of the meeting shall include which, if any, Member participated by videoconferencing from a private location due to such extraordinary circumstances.

(C) Identification of Members. Except in the case of executive sessions, a Member shall be heard, seen, and identified while the meeting is being conducted, including but not limited to any motions, proposals, resolutions, and any other matter formally discussed or voted upon.

(D) State or Local Disaster or Emergency Declaration. The in-person participation requirements shall not apply during a state disaster emergency declared by the governor or a local emergency declared by the chief executive of a county, city, village, or town if the Members determine that the circumstances necessitating the emergency declaration would affect or impair the ability of the Members to hold an in-person meeting.

SECTION 6. Notices. Except as otherwise provided by these By-Laws, whenever a meeting is scheduled at least one week in advance, written notice of that meeting of the Authority, specifying the time, place, and purposes thereof, shall be given to each Member by mail, e-mail, telephonic facsimile transmission, or other electronic means at least five days before such meeting. For every other meeting, notice shall be given in person or by email, or telephonic facsimile transmission at least twenty-four hours before such meeting, to the extent practicable. Notices by

mail shall be deemed to have been given at the time when mailed to such Member at his or her address on the records of the Authority; notices by email shall be deemed to have been given at the time when transmission of such notice to the Member's email address on the records of the Authority has been completed, with no notice of a failure to deliver being received; notices by telephonic facsimile transmission shall be deemed to have been given at the time when transmission to such Member at his or her telephonic facsimile transmission number on the records of the Authority has been completed. If videoconferencing is used to conduct a meeting, the notice shall state such and include information as to where the public can view and/or participate in such meeting, where required documents and records will be posted or available, and identify the physical location or locations for the meeting where the public can attend.~~that the public has the right to attend the meeting at any location.~~

SECTION 7. Waiver of Notice. In lieu of the notice prescribed in Section 6 of this Article II a waiver thereof in writing, signed by the Member or Members entitled to such notice whether before or after the time stated therein, shall be deemed equivalent to such notice for purposes of these By-Laws. No notice to or waiver by any Member with respect to any meeting shall be required if such Member is present at such meeting.

SECTION 8. Quorum and Voting. A majority of the whole number of the Members, gathered together in the presence of each other or through the use of videoconferencing, shall constitute a quorum for the transaction of any business or the exercise of any power or function of the Authority. Any act taken at any meeting by a majority of the whole number of the Members shall be the act of the Authority. For the purposes of these By-Laws, the words "whole number" shall mean the total number of the Members if there were no vacancies and if none of the Members are disqualified from acting. A Member who is participating via videoconference from a private location due to extraordinary circumstances shall not count toward a quorum but may participate and vote if there is a quorum of members at a physical location open to the public.

SECTION 9. Approval of Governor. Except to the extent the Governor of the State of New York has, by order filed with the Authority, relieved the Authority from the duty of procuring his or her approval of any action upon a particular matter or class of matters, no action taken at any meeting of the Authority shall have force or effect until the Governor shall have had an opportunity to approve or veto the same in accordance with the provisions of Section 1853 of the Public Authorities Law.

ARTICLE III

Officers

SECTION 1. In General. The officers of the Authority shall be a Chair, Vice Chair, President and CEO, Senior Vice President for Strategy and Market Development, the Vice President for Policy and Regulatory Affairs, Secretary, and Chief Financial Officer, and such additional officers as may be appointed pursuant to Section 2 of this Article III. Except for the

Chair and the Vice Chair, who shall each be a Member of the Authority, no officer need be a Member of the Authority. Any two offices, other than those of the Chair and Vice Chair, may be held by the same person.

SECTION 2. Appointment. The Chair shall be the Member of the Authority so designated by the Governor of the State of New York. The Authority shall appoint persons to fill the other offices of the Authority established in Section 1 of this Article III, and may from time to time appoint such additional officers as it may deem advisable and prescribe their respective powers and duties.

SECTION 3. Terms and Compensation. The Chair shall serve as Chair at the pleasure of the Governor of the State of New York. All officers of the Authority other than the Chair shall hold office at the pleasure of the Authority and shall receive such compensation as may be authorized by the Authority, subject to applicable provisions, if any, of the Civil Service Law and the regulations of the Civil Service Commission of the State of New York.

SECTION 4. Removal. The Chair may be removed as Chair, with or without cause, at any time, by the Governor of the State of New York acting at his pleasure. Any officer, other than the Chair, may be removed, with or without cause, at any time, by the Authority at any meeting called for that purpose.

SECTION 5. Resignation. Any officer may resign at any time by giving written notice to the Chair or to the Secretary, except that, in the case of the resignation of the Chair or a Member, such notice shall be given to the Governor of the State of New York. Any such resignation shall take effect upon the receipt of such notice or any later time specified therein, and, unless otherwise specified therein, the acceptance of resignation of an officer other than the Chair or a Member shall not be a condition to its effectiveness.

SECTION 6. Vacancies. A vacancy in any office shall be filled in the manner prescribed in these By-Laws for appointment to such office.

ARTICLE IV

Duties and Powers of the Officers

SECTION 1. The Chair. The Chair shall preside over meetings of the Authority and shall serve as the primary liaison between the Members and Authority staff. The Chair shall be primarily responsible for overseeing the discharge of the executive and administrative functions of the Authority. The Chair shall be responsible for the management, development, and effective performance of the Members and provide leadership to the Members for all aspects of their work. The Chair shall act in an advisory capacity to the President and CEO and to the other management

staff in all matters concerning the interests of the Members and the relationships between management and the Members. The Chair shall have the power to assign any officer to exercise the powers of any other officer during the period of any absence, disability or vacancy in any office. The Chair shall have all such other powers pertaining to the position of Chair or as may be assigned to the Chair by the Members of the Authority.

SECTION 2. The Vice Chair. The Vice Chair shall have the powers and shall perform the duties of the Chair during the period of any absence (including vacancy in office) or disability of the Chair. The Vice Chair shall perform such other duties as may be assigned from time to time by the Authority or the Chair.

SECTION 3. The President and CEO. The President and CEO shall be the chief executive officer of the Authority and shall be primarily responsible for the discharge of the executive and administrative functions of the Authority. The President and CEO shall report to the Chair on the day-to-day executive and administrative functions of the Authority. The President and CEO shall be responsible for the overall supervision of the other Officers, except the Chair and the Vice Chair, and staff and the implementation of policies, procedures, and directions, consistent with the guidance provided by the Members and the Chair. Subject to the provisions of the Authority's Procurement and Program Contracts Guidelines, Operative Policy and Instructions ("Contracting Guidelines"), the President and CEO shall have power to execute contracts, agreements, and other instruments in the name and on behalf of the Authority, including instruments encumbering funds; power to requisition disbursements from Authority bank accounts from the State Commissioner of Taxation and Finance, pursuant to Section 1859 of the Public Authorities Law; power to certify official rules and regulations of the Authority; and power to assign additional duties to any other Officer of the Authority except the Chair and the Vice Chair, and designate acting officers to perform necessary duties. The President and CEO shall also be authorized to exercise the powers of the Chair during the period of any absence (including vacancy in office) or disability of the Chair and the Vice Chair. The President and CEO shall have the power to assign any other officer to exercise the powers of any officer, including the President and CEO, during the period of any absence, disability or vacancy in any office. The President and CEO shall have the power to assign the ability to requisition disbursements from Authority bank accounts from the State Commissioner of Taxation and Finance, pursuant to Section 1859 of the Public Authorities Law to the Controller and Assistant Treasurer, or NY Green Bank personnel responsible for managing finance or operational matters, as designated by the President of NY Green Bank. The President and CEO shall perform such other duties as may be assigned from time to time by the Authority or the Chair.

SECTION 4. The Vice Presidents. There shall be a Senior Vice President for Strategy and Market Development and a Vice President for Policy and Regulatory Affairs.

(A) The Senior Vice President for Strategy and Market Development. The Senior Vice President for Strategy and Market Development shall be responsible to the President and CEO for the discharge of the Authority's market development programs. The Senior Vice

President for Strategy and Market Development also shall be responsible to the President and CEO for providing strategic guidance in program development and ongoing performance management across the Authority. Subject to the provisions of the Authority's Contracting Guidelines, the Senior Vice President for Strategy and Market Development shall have power to execute contracts, agreements, and other instruments in the name and on behalf of the Authority, including instruments encumbering funds in an amount not to exceed \$1,000,000; and power to requisition disbursements from Authority bank accounts from the State Commissioner of Taxation and Finance, pursuant to Section 1859 of the Public Authorities Law. The Senior Vice President for Strategy and Market Development shall perform such other duties as may be assigned from time to time by the Authority or the President and CEO.

(B) The Vice President for Policy and Regulatory Affairs. The Vice President for Policy and Regulatory Affairs shall be responsible to the President and CEO for the discharge of the Authority's policy and regulatory affairs function. Subject to the provisions of the Authority's Contracting Guidelines, the Vice President for Policy and Regulatory Affairs shall have power to execute contracts, agreements, and other instruments in the name and on behalf of the Authority, including instruments encumbering funds in an amount not to exceed \$1,000,000; and power to requisition disbursements from Authority bank accounts from the State Commissioner of Taxation and Finance, pursuant to Section 1859 of the Public Authorities Law. The Vice President for Policy and Regulatory Affairs shall perform such other duties as may be assigned from time to time by the Authority or the President and CEO.

SECTION 5. The Chief Financial Officer. Subject to the provisions of the New York State Energy Research and Development Authority Act and the State Finance Law, the Chief Financial Officer shall have the care and custody of and be responsible for all the funds and securities of the Authority and receive and give receipts for moneys paid to the Authority from any source. The Chief Financial Officer shall assume the duties of the Treasurer of the Authority and shall administer the system of accounts prescribed by the Authority and shall render a statement of the condition of the finances of the Authority as at the end of the first three quarterly periods in each fiscal year, and at such other times as may be required and shall render a full financial report at the Annual Meeting of the Authority held in June of each year. The Chief Financial Officer shall be responsible for information security activities. The Chief Financial Officer shall perform such other duties as may be assigned from time to time by the Authority or the President and CEO. The Chief Financial Officer shall give such bond, if any, for the faithful discharge of his or her duties as may be required by the Authority or by any provision of law. Subject to the provisions of the Authority's Contracting Guidelines, the Chief Financial Officer shall have power to execute contracts, agreements, and other instruments in the name and on behalf of the Authority, including instruments encumbering funds in an amount not to exceed \$1,000,000; and power to requisition disbursements from Authority bank accounts from the State Commissioner of Taxation and Finance, pursuant to Section 1859 of the Public Authorities Law.

SECTION 6. The Secretary. The Secretary shall act as recording secretary at all meetings of the Authority and keep the minutes thereof in a book or books to be provided for that purpose; shall see that all notices of meetings required to be given are duly given; and shall see that all

reports, statements, and other documents required by law are properly kept and filed. The Secretary shall transmit all rules and regulations adopted by the Authority to the Secretary of State pursuant to the provisions of Section 102 of the Executive Law. Subject to the provisions of the Authority's Contracting Guidelines, the Secretary shall have power to execute contracts, agreements, and other instruments in the name and on behalf of the Authority, including instruments encumbering funds in an amount not to exceed \$1,000,000; and power to requisition disbursements from Authority bank accounts from the State Commissioner of Taxation and Finance, pursuant to Section 1859 of the Public Authorities Law. The Secretary shall have power, when necessary or appropriate, to certify all documents and records of the Authority and to affix and attest to the corporate seal of the Authority on all contracts, agreements, and other instruments of the Authority. The Secretary shall perform such other duties as may be assigned from time to time by the Authority, the Chair, or the President and CEO.

ARTICLE V

Advisory Committees

SECTION 1. Appointment. The Authority may appoint one or more advisory committees consisting of not more than seven Members each to consider and advise the Authority on matters submitted to them by the Authority.

SECTION 2. Terms. Upon the appointment of an Advisory Committee, the Authority shall specify the terms, not to exceed four years, of each Member thereof.

SECTION 3. Salaries. Members of Advisory Committees shall serve without salary, but shall be entitled to reimbursement for their actual and necessary travel expenses incurred in the performance of their official duties.

SECTION 4. Audit and Finance Committee. The Audit and Finance Committee shall be a standing advisory committee of the Authority. The Committee shall have not fewer than three nor more than six Members. The Committee shall consist of not less than three independent Members who shall constitute a majority on the Committee and who shall possess the necessary skills to understand the duties and function of the Committee, provided, however, that in the event that there are less than three independent Members, the Members may appoint non-independent Members, provided that the independent Members constitute a majority of the Members of the Committee. In addition, the membership of the Committee shall include the Chair of the Authority who shall serve ex-officio and who shall enjoy all the rights and privileges of membership, including the right to vote. A majority of the members of the Committee then in office, not including the Chair of the Authority, gathered together in the presence of each other or through the use of videoconferencing, pursuant to Section 5 of Article II, shall constitute a quorum, and the Chair of the Authority if present shall be counted toward a quorum. Members of the Committee shall be familiar with corporate financial and accounting practices.

The Audit and Finance Committee shall recommend the hiring of a certified independent accounting firm, establish the compensation to be paid, and provide direct oversight of the performance of the independent audit performed, shall review the annual financial statements of the Authority prior to submission for approval to the Members of the Authority, shall review proposals for the issuance of debt by the Authority and make recommendations, and may examine and consider such other matters in relation to the internal and external audit of the Authority's accounts, the Authority's financings, and in relation to the financial affairs of the Authority and its accounts as the Audit and Finance Committee may determine to be desirable.

SECTION 5. Program Planning Committee. The Program Planning Committee shall be a standing advisory committee of the Authority. The Committee shall have not fewer than three nor more than ten Members, who shall be elected from among the Members of the Authority other than the Chair. A majority of these committee members shall be other than Members of the Authority who serve ex-officio. In addition, the membership of the Committee shall include the Chair of the Authority, who shall serve ex-officio and who shall enjoy all the rights and privileges of membership, including the right to vote. A majority of the members of the Committee then in office, not including the Chair, gathered together in the presence of each other or through the use of videoconferencing, [pursuant to Section 5 of Article II](#), shall constitute a quorum, and the Chair of the Authority if present shall be counted toward a quorum.

The Program Planning Committee shall review the annual updating of the Authority's strategic plan; and preparation of the portions of the Authority's annual budget related to energy research and innovation, market development, clean energy financing, and other related programs and initiatives; shall provide guidance to the Authority's officers and employees in the preparation of those plans and those portions of the budget; and shall consider such other matters related to the Authority's portfolios as the officers of the Authority may refer to the Committee.

SECTION 6. Waste and Facilities Management Committee. The Waste and Facilities Management Committee shall be a standing advisory committee of the Authority. The Committee shall have not fewer than three nor more than six members, who shall be elected from among the Members of the Authority other than the Chair. A majority of these committee members shall be other than Members of the Authority who serve ex-officio. In addition, the membership of the Committee shall include the Chair of the Authority, who shall serve ex-officio and who shall enjoy all the rights and privileges of membership, including the right to vote. A majority of the members of the Committee then in office, not including the Chair of the Authority, gathered together in the presence of each other or through the use of videoconferencing, [pursuant to Section 5 of Article II](#), shall constitute a quorum, and the Chair of the Authority if present shall be counted toward a quorum.

The Waste and Facilities Management Committee shall review the Authority's program and plans for management of the Western New York Nuclear Service Center, including the West Valley Demonstration Project, and for radioactive waste policy and nuclear coordination; shall review the preparation of the Authority's annual West Valley site management program and

radioactive waste policy and nuclear coordination budgets; shall provide guidance to the Authority's officers and employees in the preparation of the plans and in preparation of such annual program budgets; shall consider such other matters related to West Valley site management and radioactive waste policy and nuclear coordination as the officers of the Authority may refer to such Committee; and shall review the Authority's plans and provide guidance for facilities unrelated to operations that are either owned by or under the control of the Authority.

SECTION 7. Governance Committee. The Governance Committee shall be a standing advisory committee of the Authority. The Committee shall have not fewer than three nor more than six Members. The Committee shall consist of not less than three independent Members who shall constitute a majority on the Committee and who shall possess the necessary skills to understand the duties and function of the Committee, provided, however, that in the event that there are less than three independent Members, the Members may appoint non-independent Members, provided that the independent Members constitute a majority of the Members of the Committee. In addition, the membership of the Committee shall include the Chair of the Authority who shall serve ex-officio and who shall enjoy all the rights and privileges of membership, including the right to vote. A majority of the members of the Committee then in office, not including the Chair of the Authority, gathered together in the presence of each other or through the use of videoconferencing, [pursuant to Section 5 of Article II](#), shall constitute a quorum, and the Chair of the Authority if present shall be counted toward a quorum.

The Governance Committee shall keep the Members informed of current best practices, review corporate governance trends, update the Authority's corporate governance principles, as necessary, recommend updates to the corporate governance principles, advise appointing authorities on the skills and experiences required of Members, examine ethical and conflict of interest issues, perform Board self-evaluation, and recommend By-laws which include rules and procedures for conduct of Board business.

ARTICLE VI

Miscellaneous

SECTION 1. Seal. The official seal of the Authority shall consist of a circle within which shall be inscribed the name of the Authority, and in the center of which shall be inscribed the words "Established April 1, 1962," and such seal may include such other insignia as may be approved by the Authority.

SECTION 2. Fiscal Year. The fiscal year of the Authority shall begin on the first day of April and end at the close of business on the thirty-first day of March in each year.

SECTION 3. Annual and Budget Reports. The President and CEO shall prepare or cause to be prepared under the Chair's supervision the Annual Report, Budget Report and other reports required by Sections 1867, 2800, and 2801 of the Public Authorities Law. All such reports shall be prepared for submission to and action by the Authority, and, after action by the Authority, shall be submitted by the President and CEO within the times provided for and to the persons specified in such sections of the Public Authorities Law.

SECTION 4. Director of Contract Management. Subject to the provisions of the Authority's Contracting Guidelines, the Director of Contract Management shall have the power to execute contracts, agreements, and other instruments in the name and on behalf of the Authority, including instruments encumbering funds in an amount not to exceed \$100,000 and for low variability, low complexity contracts issued as offer letters or similar straightforward standard agreements the amounts of which are based upon a formulaic calculation dictated by program, not to exceed \$1,000,000. In the absence, vacancy, disability or recusal of the Director of Contract Management the Vice President for Operations shall have serve in the capacity of the Director of Contract Management with respect to signing authority.

SECTION 5. The President of NY Green Bank. The President of NY Green Bank shall have power to execute contracts, agreements, or other instruments (or any amendments, waivers or consents thereunder) not encumbering Authority funds in excess of \$250,000; the power to execute contracts, agreements, or other instruments related to financial investments (or any amendments, waivers or consents thereunder) for any dollar amount, so long as the terms and conditions of such contracts, agreements, or other instruments (or amendments, waivers or consents thereunder) are within parameters set by the President and CEO of the Authority or an Officer of the Authority assigned such duties by the President and CEO of the Authority. During the period of any absence, disability or recusal, the President of NY Green Bank shall have the power to assign his aforementioned powers to one or more NY Green Bank Managing Directors for Investment and Portfolio Management, provided that such delegee is not the Managing Director assigned to the subject transaction.

SECTION 6. The Managing Directors of NY Green Bank. Each of the Managing Directors of NY Green Bank shall have power to execute contracts, agreements, or other instruments (or any amendments, waiver or consents thereunder) not encumbering Authority funds in excess of \$50,000.

ARTICLE VII

Amendments

SECTION 1. Amendments. These By-Laws may be amended, supplemented or repealed by the affirmative vote of a majority, but not less than five, of the Members then in office, at any

regular or special meeting if either all Members of the Authority then in office are present at such meeting or notice of the proposed amendments, supplement or repeal shall have been included in the notice of such meeting or in the waiver of notice thereof.

Resolution No. _____

RESOLVED, that the amendments to the Authority's By-laws as presented at this June 28, 2022 meeting, are hereby approved by the Board.

NYSERDA

Compensation Schedule as of March 31, 2022 Pursuant to Public Authorities Law Section 2800

Name			Annual Salary	Total Compensation*
<u>Last</u>	<u>First</u>	<u>Title</u>	<u>March 31, 2022</u>	<u>Year Ended March 31, 2022</u>
Andry	Michelle	Diversity, Equity and Inclusion Officer	\$126,750	\$116,346
Bembia	Paul	Director of West Valley	\$173,431	\$186,811
Chace	Timothy	Information Security Officer	\$118,955	\$129,880
Costello	Peter	General Counsel and Secretary	\$193,878	\$212,829
Davenport	David	NYGB Managing Director	\$188,231	\$118,071
Dickerson	James	Chief of Staff	\$132,233	\$141,132
Doling	Jason	Vice President for Communities and Partnerships	\$185,000	\$189,690
Driker	Konstantin	NYGB Managing Director	\$187,680	\$59,602
Erle	Kim	NYGB Managing Director	\$188,231	\$199,927
Fagan	Michael	NYGB Managing Director	\$187,670	\$194,635
Glanton	Cheryl	Vice President for Operations	\$188,231	\$197,475
Hale	John	Sr Advisor for Energy Efficiency markets	\$188,231	\$203,489
Harris	Doreen	President and CEO	\$205,172	\$213,506
Hodges	Sven	NYGB Managing Director	\$187,670	\$193,761
Joseph	Janet	Sr VP Strategy & Market Development	\$199,525	\$212,826
Kaatz	Glen	Chief Information Officer	\$173,303	\$184,101
Kessler	Andrew	NYGB President	\$212,749	\$221,278
Lee	Brian	NYGB Managing Director	\$188,231	\$209,738
Lochner	John	Vice President for Innovation	\$186,154	\$201,283
MacPherson	Wendy	Director of Contract Management	\$145,784	\$156,906
Mahar	Peter	Controller and Assistant Treasurer	\$167,628	\$178,726
Mogg	Katherine	NYGB Managing Director	\$187,680	\$191,272
Muller	Katherine	Vice President for Corporate Communications and Marketing	\$188,231	\$205,417
Osgood	Sarah	Executive Director CAC	\$187,715	\$166,055
Peck	Mary	Director of Internal Audit	\$157,338	\$167,131
Poisson	Pamela	Chief Financial Officer	\$190,000	\$130,077
Randolph	Gregory	NYGB Managing Director	\$188,231	\$199,841
Rokholt	Trond	NYGB Managing Director	\$187,680	\$174,569
Sandbank	David	Vice President for Distributed Energy Resources Technology	\$188,231	\$197,538
Sassine	Georges	Vice President for Large Scale Renewables	\$185,000	\$109,891
Williams	John	Vice President for Policy and Regulatory Affairs	\$193,878	\$211,829

* For some employees, total Compensation includes performance-based lump sum payments and payments under State fringe benefit plans not included in annual salary. Pursuant to NYSERDA's personnel policies, all employees whose salaries are at the maximum of their Management/Confidential salary grade range are eligible to receive an annual performance-based lump sum payment, awarded as a percentage of salary from a fixed pool of funds budgeted and approved for such funds. For some employees, compensation was lower than annual salary reflecting salary adjustments which became effective during the year or reflect compensation payments for less than a full year.

Vitae for NYSERDA Employees Included on the Compensation Schedule

Doreen Harris

Doreen M. Harris was appointed president and CEO of the New York State Energy Research and Development Authority (NYSERDA) on April 7, 2021. Prior to becoming president, Ms. Harris served as acting president and CEO since June 2020.

Ms. Harris has held public and private sector leadership roles advancing clean energy projects and engineering companies for more than 20 years. During her tenure at NYSERDA, she has held executive, technical, and policy positions, including Vice President of Large-Scale Renewables. Ms. Harris has overseen the State's nation-leading advancement of renewable resources under the Climate Leadership and Community Protection Act and Clean Energy Standard. Ms. Harris has also spearheaded the strategic development of New York's offshore wind resource, including the execution of the State's offshore wind master plan. She was instrumental in advancing and implementing the Accelerated Renewable Energy Growth and Community Benefit Act, which is modernizing the siting of large-scale renewable energy projects across New York. Ms. Harris serves as the co-chair of the New York State Climate Action Council, a 22-member committee that is preparing a Scoping Plan to achieve the State's bold clean energy and climate agenda. Before embarking on a career in public service, Ms. Harris spent more than a decade in the energy sector, serving in management and engineering roles. She began her career at Alcoa Advanced Technologies and Optimization Technologies in engineering roles associated with consulting and project management. Prior to joining NYSERDA, she served as Project Director for Global Water Technologies, Inc., where she led a multi-year initiative to develop and commercialize energy savings and water treatment technologies. She currently serves on the boards of the Advanced Energy Research and Technology Center (AERTC), Alliance to Save Energy, Clean Energy States Alliance, National Offshore Wind Research and Development Consortium, NY CREATES, NY BEST, and is a member of the Sustainable Development Solutions Network Leadership Council. Ms. Harris earned a Bachelor of Science in Chemical Engineering from the University of Rochester and a Master of Business Administration from the University at Albany.

Janet Joseph

Janet Joseph was the Senior Vice President for Strategy and Market Development. Ms. Joseph led NYSERDA's Market Development activities, designing and implementing interventions that accelerate the scale and penetration of on-site, behind-the-meter energy efficiency and clean energy solutions in the commercial, industrial, government, multifamily, and single-family residential sectors. Janet has held a variety of technical and policy positions at NYSERDA over the past 30 years. She has spearheaded initiatives to develop renewable power in New York, build a cleantech start up industry, and identify greenhouse gas reduction strategies that provide benefits for New Yorkers. Prior to joining NYSERDA, Janet was a research scientist at Battelle Pacific Northwest Laboratories. Janet has also worked as an environmental consultant for Booz-Allen and Hamilton in Washington, D.C. Janet Joseph is on the Boards of the Northeast Energy Efficient Partnerships, Northeast Clean Energy Council Institute, and RPI Center for Future Energy Systems. Janet received the 2015 Public Service Excellence Award from the State Academy for Public Administration and was voted one of the top ten Clean Tech leaders in New York in 2013. Janet has a master's degree in Environmental Chemistry from the University of Maryland.

John Williams

John Williams is Vice President of Policy and Regulatory Affairs and has responsibility for overall policy and planning guidance for NYSERDA. In this role, John leads the Authority's efforts with respect to the New York State Energy Plan and Climate Action Council Scoping Plan. He engages the Authority's Energy and Environmental Analysis and Government Affairs functions, as well as the Performance Management and program evaluation functions of the Authority. In his previous role with NYSERDA, John served as Director of Energy Analysis and as Deputy Counsel. Prior to joining NYSERDA, John served as Energy Counsel for the New York State Assembly; was a Staff Attorney for The Energy Project of the Pace University School of Law; and also worked as a Financial Analyst for the Public Service Company of New Mexico, a combined electric and natural gas utility company serving the largest markets in the state of New Mexico. John serves as the designated alternate for NYSERDA on the NYS Board on Electric Generation Siting and the Environment, and also serves on the Board of Directors for the National Association of State Energy Officials. John received the 2021 Public Service Leadership Award from the State Academy for Public Administration. John has a B.A. in History from Columbia University, a J.D. from St. John's University School of Law, and an LL.M. in Environmental Law from Pace University School of Law. John is a Member of the Bar of the states of New York and New Jersey.

Pam Poisson

Pam Poisson serves as Chief Financial Officer and Internal Control Officer of the New York State Energy Research and Development Authority (NYSERDA). Ms. Poisson is primarily responsible for the Authority's finance, administration, and risk management functions, and provides support for financing solutions related to NYSERDA's programs. As a member of NYSERDA's executive team, she also participates in formulating and implementing strategy and policy for the Authority. Ms. Poisson joined the Authority in July 2021 and comes with extensive experience in the public and private sectors. Ms. Poisson began her career in government at the U.S. Department of Labor, then spent more than two decades working in the housing and financial market arena at Freddie Mac. She then shifted intentionally to clean energy and climate change when she was hired as CFO of the American Wind Energy Association in 2010, later being promoted to CFO and Senior Vice President of Operations. Just prior to joining the Authority, Ms. Poisson managed financial and operations components of AWEA's merger into American Clean Power. Ms. Poisson is a summa cum laude graduate of AU's Kogod College of Business, a Toastmasters "Competent Communicator", and is certified in Diversity, Equity, and Inclusion in the Workplace through the University of South Florida's Muma College of Business.

Peter Costello

Peter Costello serves as General Counsel and Secretary of the New York State Energy Research and Development Authority (NYSERDA). Mr. Costello was appointed Acting General Counsel at the end of June 2019. In October 2019, Mr. Costello was named NYSERDA's General Counsel and appointed Secretary to the Authority in January 2020. Mr. Costello serves as the chief legal officer for the Authority and is responsible for the overall direction and supervision of NYSERDA's legal department and all legal matters concerning the Authority, including advice and counsel on laws, rules, and regulations governing clean energy development and operations of the Authority. As a member of NYSERDA's executive team, he also participates in formulating and implementing strategy and policy for the Authority. Mr. Costello joined NYSERDA in February 2009, working in the Authority's Counsel's Office for more than five years. He focused

primarily on supporting NYSERDA's research and development programs, and real estate matters, including the development of the Saratoga Technology + Energy Park ("STEP"). Following its formation, he was assigned to provide legal support to NY Green Bank and participate as a member of its senior management team. In January 2015, Mr. Costello was appointed as Managing Director for Legal and Regulatory Affairs for NY Green Bank, where he served until his appointment as General Counsel of the Authority. At NY Green Bank, Mr. Costello's responsibilities included providing legal advice and counsel with respect to strategic initiatives, operations, transactions, regulatory issues, and general corporate affairs, as well as managing NY Green Bank's internal legal team and its relationships with outside counsel firms. Before joining NYSERDA, Mr. Costello worked in a transactional capacity at a number of private law firms, including LeBoeuf, Lamb, Greene & MacRae LLP, and its spin-off Lowe, Fell & Skogg, LLC, where he became a partner. In private practice, Mr. Costello focused on various corporate and real estate matters, including merger, acquisition and disposition; financing; land use and development; leasing; entity formation, management and operation; and technology transfer and software licensing. He also served as responsible outside counsel for one of the U.S. Big Three auto manufacturer's regional real estate and dealership development operations, including mergers and acquisitions, network planning, site control and incentive programs. Mr. Costello has a Bachelor of Arts from McGill University and a Juris Doctor from the University of Colorado School of Law.

Paul Bembia

Paul J. Bembia is the Director of the West Valley Site Management Program at the Western New York Nuclear Service Center in Cattaraugus County. As Director, Paul is responsible for planning, implementing, and overseeing NYSERDA's activities at the Center, which include the safe and compliant management of the State Licensed Disposal Area and Retained Premises, and representing NYSERDA and New York State's interests in the West Valley Demonstration Project. Paul joined NYSERDA in 1990 and has held a variety of technical and management positions at NYSERDA over the past 32 years, including Project Manager, Senior Project manager, Program Manager and Program Director. Prior to joining NYSERDA, Paul was a staff geologist at Ecology and Environment, Inc., and a staff geochemist for the U.S. Nuclear Regulatory Commission in Washington, D.C. Paul has a master's degree in Geological Sciences from SUNY Binghamton, and a bachelor's degree in Geology from SUNY Fredonia.

Michelle Andry

Michelle Andry is the Diversity, Equity and Inclusion Officer. In this role, Michelle oversees the implementation of NYSERDA's five-year Diversity Equity and Inclusion Strategic Plan. Michelle joined NYSERDA in June 2015 to develop and launch the Affordable Solar incentive and predevelopment assistance programs with the NY-Sun team. She also focused on community stakeholder engagement, environmental justice, climate justice and equity considerations for the broad portfolio of NYSERDA's initiatives as a member of the Energy and Climate Equity team. Prior to joining NYSERDA, Michelle managed industry partnerships and work-based learning programs at the School for Green Careers, a New York City Career and Technical Education (CTE) high school. Michelle began working in the clean energy industry in 2009 with the nonprofit solar organization GRID Alternatives, as part of the small team which launched its work on the California Single-Family Affordable Solar Homes (SASH) program in the Greater Los Angeles area. Michelle is a graduate of the University of Florida.

Timothy Chace

Timothy Chace is currently the Information Security Officer at the New York State Energy Research and Development Authority (NYSERDA) where he is responsible for designing, implementing, and maintaining an Information Security program that protects NYSEDA's systems, services, and data against unauthorized use, disclosure, and loss. Primary responsibilities include an ongoing assessment of NYSEDA's compliance with Information Security policies and legal/regulatory Information Security requirements, maintain a layered security infrastructure, lead the response to potential security incidents, and promote Information Security awareness. Mr. Chace joined NYSEDA in 2010 and holds a Bachelor of Technology from SUNY Cobleskill and Master of Science in Cybersecurity from Excelsior.

David Davenport

David Davenport is a Managing Director at NY Green Bank on the Investment & Portfolio Management Team. He is responsible for leading NY Green Bank's disadvantaged community lending activities, including financing high-performance affordable housing and beneficial building electrification that serves historically marginalized New Yorkers. Mr. Davenport has over 30 years' experience in real estate, finance, and government.

Prior to joining NY Green Bank, Mr. Davenport served as Senior Vice President at Urban American Management and Managing Principal of its Urban Greenfit subsidiary, where he successfully led financing and development of energy efficiency & renewable energy projects in over 6,000 units of multifamily affordable housing that have been recognized as best-in-class in performance and financial innovation.

Mr. Davenport previously served as a Vice President and Investment Officer at Citi Community Capital where he led nationwide programs investing in mixed-use real estate and affordable housing with debt and equity instruments utilizing new markets tax credits, low-income housing tax credits, historic tax credits, and other leveraged financing structures.

Mr. Davenport earned a Bachelor of Arts degree from Wesleyan University and a Master of Business Administration from Columbia Business School.

Susan DesRoches

Susanne DesRoches is the Vice President for Clean and Resilient Buildings. Ms. DesRoches leads NYSEDA's activities to decarbonize the state's buildings including identifying and developing strategies to accelerate the implementation of energy efficiency and clean energy solutions in the commercial, industrial, government, multifamily, and single-family residential sectors. Prior to joining NYSEDA, Susanne led New York City's energy regulatory affairs and infrastructure resiliency and sustainability policy. She was the Chief of Resiliency and Sustainability at the Port Authority of New York and New Jersey. Susanne was a chapter author of the Fourth National Climate Assessment and is on the faculty at Columbia University. She has a master's degree in Public Administration from the Columbia University and a bachelor's degree in Industrial Design from Pratt Institute.

Jamie Dickerson

Jamie Dickerson serves as Chief of Staff at NYSEDA. Prior to this role, he previously served as Deputy Chief of Staff and Special Assistant to the President & CEO. In his current roles, Jamie is

responsible for providing support through a variety of forms to the President & CEO and Executive Team pertaining to key daily duties and engagement with the Governor's Office, sister agencies, and third-party stakeholders. His portfolio includes both internal and external facing duties, including spearheading project implementation related to policy and strategy across NYSERDA portfolio as well as a focus on internal staff engagement and culture, including DEI strategic planning and implementation. On external policy and program matters, Jamie is responsible for helping coordinate among agency leadership and program staff to deliver on strategic priorities, including matters pertaining to CLCPA implementation, building decarbonization, offshore wind, just transition/labor, and more. Before joining NYSERDA, Jamie worked on clean energy policy advocacy and regulatory affairs across states in the northeast, serving as Policy Analyst and Senior Policy Manager at the Northeast Clean Energy Council (NECEC). Jamie also previously worked on clean energy government and legal affairs at Mintz Levin and ML Strategies. He holds a Bachelor of Arts degree in Government from Harvard College.

Jason Doling

Jason Doling is Vice President for Communities and Partnerships Objectives include flattening peak demand, enabling flexible renewable generation resources, increasing electric system utilization and resiliency, and reducing greenhouse gas emissions. At NYSERDA, Jason helped establish the New York Battery and Energy Storage Technology Consortium (NY-BEST) which now numbers more than 150 members and plays a key role in advancing energy storage technologies. Prior to joining NYSERDA in 2009, Jason was with NYSTAR, the New York State Foundation for Science, Technology and Innovation which focuses on innovation-based economic development where he served as Director of Business Development. Jason began his career at PricewaterhouseCoopers and holds a BS from the University at Albany, SUNY.

Konstantin Driker

Konstantin Driker is a Managing Director at NY Green Bank on the Investment and Portfolio Management Team. He is responsible for investing in renewable and clean energy projects in the State of New York and manages a portfolio of investments across various asset classes.

Konstantin has more than 20 years of experience in corporate finance and capital markets. Prior to joining NY Green Bank, Konstantin served as a managing director in the investment banking arm of DVB Bank where he ran a private placement effort focused on capital raising for transportation and energy clients globally. Previously, Konstantin was a founding member of the high yield group at BNP Paribas where he originated, structured and executed leveraged finance transactions in the U.S. and Europe. Konstantin graduated with a degree in chemistry from the Ural State University and holds an MBA in finance and accounting from Georgia Institute of Technology.

Kim Erle

Kim Leinwand Erle is Managing Director at NY Green Bank, a division of NYSERDA. In this role, Ms. Erle oversees Strategy, Impact & Investor Relations. Prior to joining NY Green Bank in December 2019, Ms. Erle worked as an independent strategy consultant providing thought leadership to senior executives in business strategy and organizational change. Previously, Ms. Erle was a Portfolio Manager of Deutsche Bank's RREEF Retrofit Partners fund, seeking to deploy investor capital in deep energy retrofit projects for commercial, MUSH and multi-family property owners. As Chief Operating Officer of Trajectory Asset Management, Ms. Erle was responsible for business development, investor relations and firm governance. Ms. Erle was a Partner at

Mitchell Madison Group, a global consultancy, where she was a leader in the Financial Institutions practice. Ms. Erle earned a Bachelor of Science in Operations Research & Industrial Engineering from Cornell University, a Master of Business Administration from Columbia Business School and a Master of Arts in Economics from Johns Hopkins University's Paul H. Nitze School of Advanced International Studies. She serves on the External Advisory Board for the Cornell Atkinson Center for Sustainability.

Michael Fagan

Michael Fagan is the Managing Director of Finance & Operations at NY Green Bank, where he oversees and supports all aspects of financial and operational activities across the organization with particular responsibility for fund accounting and administration, audit, budgeting and financial reporting. Prior to joining NY Green Bank, Mr. Fagan was a Controller and Principal Financial Officer at Man Group, with oversight and direct responsibility for financial reporting, regulatory, and fully integrated middle office support. His focus was on credit, direct lending, and emerging markets funds. Prior to Man Group, Mr. Fagan worked at several asset management firms focusing on private equity and hedge funds, as well as management company and corporate accounting. Mr. Fagan holds a bachelor's degree in accountancy from Providence College and is Certified Public Accountant licensed in the State of New York.

Cheryl Glanton

Cheryl Glanton is the Vice President for Operations. She provides leadership to NYSERDA's Operations teams, Information Technology, Contract Management, Central Support Service and Energy Resiliency and Emergency Preparedness. This oversight focuses on providing quality and reliable operations for the Authority. Cheryl has been at NYSERDA for almost 14 years. Prior to assuming this role, she was Director of Central Support Services. Prior to joining NYSERDA, Cheryl was a manager at General Electric. Cheryl has a BSME from Worcester Polytechnic Institute and an MBA from Case Western Reserve University.

Greg Hale

Greg Hale joined NYSERDA in February 2018 as Senior Advisor for Energy Efficiency Markets and Finance. Greg is overseeing the Authority's work to create a policy roadmap to achieve high performance, carbon neutral buildings and communities throughout the state, which includes strategic co-leadership of the innovative RetrofitNY initiative. Greg also provides oversight of NYS policy efforts related to energy efficiency financing, including an ongoing role as strategic advisor to NY Green Bank. Prior to joining NYSERDA, Greg served in Governor Cuomo's administration as Senior Advisor to the Chairman of Energy & Finance, where he focused on the development and execution of the State's signature energy policy— Reforming the Energy Vision (REV) and was responsible for overseeing the establishment of the \$1 billion NY Green Bank. Greg was also the lead author of NY's 2015 State Energy Plan, and led an inter-agency working group developing clean energy solutions for the low to moderate income sector. Prior to joining the Governor's Office, Mr. Hale was the Director of Efficiency Finance at the Natural Resources Defense Council's Center for Market Innovation. Prior to NRDC, Greg spent 17 years in the real estate industry, first as a real estate lawyer at Skadden, Arps, et al., and then as co-owner and general counsel of Cirque Property L.C., a real estate investment company based in Salt Lake City, Utah. Greg is a founding board member of the New York City Energy Efficiency Corporation, where he currently chairs the HR & Governance committee, and he served on the steering

committee of the PACENow Coalition. Greg is a graduate of Dartmouth College and The University of Michigan Law School.

Sven Hodges

Sven Hodges works at NY Green Bank at a Managing Director, Legal & Regulatory Affairs. Sven provides legal advice and counsel to NY Green Bank with respect to a wide range of transactions and regulatory issues. Prior to joining NY Green Bank, Sven served as Assistant Chief Counsel and Attorney-Advisor to the Loan Programs Office of the U.S. Department of Energy. In that capacity, he provided transactional and programmatic advice on project and corporate financings for clean energy, advanced transportation, and other sustainable infrastructure projects under the Title XVII loan guarantee program and the Advanced Technology Vehicle Manufacturing loan program. From January 2015 through June 2016, he served on the White House Council on Environmental Quality as Deputy Associate Director for Clean Energy Finance. In that capacity, he worked to advance a variety of policy initiatives relating to clean energy finance (including federal tax credits, green bonds, and green banks), clean energy technologies (including offshore wind and energy storage), and corporate sustainability. Prior to joining the federal government, Sven worked as in-house counsel at GE Energy Financial Services and as a project finance associate at Paul Hastings LLP and Becker, Glynn, Melamed & Muffly LLP in New York. Sven holds a bachelor's degree from Harvard College, a master's degree from the London School of Economics, and a juris doctor degree from the Columbia Law School.

Glen Kaatz

Glen Kaatz is the Chief Information Officer. Prior to that he served as the Director of Information Technology. He is responsible for all facets of Information Technology operations including the data center, desktop hardware and software support and enterprise software development. He has been with NYSERDA since 2006. Prior to joining NYSERDA he was an enterprise architect for the New York Independent System Operator. Glen received a B.S. degree in Computer Science from Siena College.

Andrew Kessler

Andrew Kessler is the President at the NY Green Bank, a Division of NYSERDA. Andrew Kessler is the President at the NY Green Bank, a Division of NYSERDA. Mr. Kessler oversees investments and portfolio management for NY Green Bank. Over a 25-year career, Mr. Kessler has developed extensive experience in corporate and project finance and advisory as well as operational management, corporate development, and project development. Prior to joining NY Green Bank, Mr. Kessler founded and led the Biogas, Waste & Recycling Advisory group at the Danish Trade Council based in Washington, D.C. He also served as Co-Head of the Danish Trade Council's North America Energy & Environment Group. In 2010, Mr. Kessler founded Turning Earth, an integrated organics recycling company focused on converting organic waste streams into biogas and other beneficial resources. Prior to launching Turning Earth, Mr. Kessler spent 15 years as an investment banker holding senior positions as a corporate finance and mergers & acquisitions professional at various firms including HSBC, Waller Capital, Morgan Stanley, and Duff & Phelps. He has executed equity, debt, and M&A transactions across a diverse set of sectors and markets and has served in numerous corporate governance leadership roles. Mr. Kessler has written and lectured on waste, recycling, biogas, and related renewable energy topics and regularly speaks at industry forums and conferences. He served on the Board of Directors of the U.S.

Composting Council from 2010 to 2012 and was elected to its Executive Committee as Vice President and Treasurer, respectively. Mr. Kessler earned a bachelor's degree in Economics from the University of Virginia and a Master of Business Administration at New York University's Stern School of Business.

Brian Lee

Brian Lee is a Managing Director at the NY Green Bank. As Managing Director of Risk & Compliance, Mr. Lee is responsible for the day-to-day analysis and management of NY Green Bank's key business risks (enterprise and investment) including related reporting and compliance across the organization and the investment portfolio. Among other responsibilities, together with the investment team, he evaluates and monitors the inherent risks in the investment portfolio, ensuring alignment with NY Green Bank's business plan, investment strategy and risk appetite. Prior to joining NY Green Bank, Mr. Lee held various senior roles at Lloyds Banking Group, North America. As Senior Vice President of Strategy & Performance, he was tasked to improve performance across key customer relationship and product areas. He led a team that proposed and received approval to build a debt capital markets business in North America, and he was instrumental to the planning, establishment and successful development of Lloyds' new broker-dealer, Lloyds Securities Inc. He later served as its Chief Compliance Officer, leading a team responsible for all aspects of compliance. Prior to joining Lloyds, Mr. Lee worked at Manresa Partners, a boutique investment advisory firm seeking principal investment opportunities. He also worked at Citigroup, designing and implementing structured transactions for its largest corporate clients. He was instrumental in proposing and developing a portfolio totaling \$350 million of equity investments in renewable energy power projects. Mr. Lee holds a Master of Business Administration degree from The Tuck School of Business at Dartmouth and a Bachelor of Science degree in Chemical Engineering from Princeton University.

John Lochner

John Lochner is the Vice President for Innovation. In this role, John provides oversight of NYSERDA's Innovation department including departmental strategy, operations, program development, execution, and performance management. John's previous experience includes investing, management consulting, investment banking, time as an executive at a distributed renewable energy start-up, and advisory work for environmental organizations including the Natural Resources Defense Council and The Nature Conservancy. John holds an M.B.A from The Wharton School at the University of Pennsylvania, an M.A. from Harvard University, and a B.A. from Duke University.

Wendy MacPherson

Wendy MacPherson is NYSERDA's Director of Contract Management. Prior to this appointment Ms. MacPherson was a Program Manager for the Clean Heating and Cooling Team which promotes clean technology solutions for residential and commercial buildings through air source heat pumps, ground source heat pumps, solar heating and cooling and high-efficiency, low-emissions biomass heating systems. Prior to joining NYSERDA in 2009, Ms. MacPherson worked at Saint-Gobain for 23 years, in the High-Performance Materials businesses. She has a breadth of experience in manufacturing, including project and product management of large industrial product lines. Ms. MacPherson has a B.S. Industrial Engineering from Rensselaer Polytechnic Institute in Rensselaer, NY and an MBA from Union College in Schenectady, NY.

Peter Mahar

Peter Mahar is Controller and Assistant Treasurer and oversees the daily operations of the Finance Unit. This includes assisting the Chief Financial Officer in the development of NYSERDA's annual budget, preparation of quarterly and annual financial statements, monitoring the internal control structure over financial reporting, and ensuring the accuracy of NYSERDA's financial transactions including receipts, disbursements, income, and expenses. Peter is a member of NYSERDA's Management team and sits on many working groups. Peter has been with NYSERDA since 2000 and has been in his current position for the last two decades. Prior to joining NYSERDA, Peter was a Senior Auditor at the New York State Office of the State Comptroller Bureau of Municipal Affairs. Peter has also worked as a staff accountant for a Certified Public Accounting firm based out of Albany New York. Peter is a Certified Public Accountant and received a Bachelor of Science in Accounting from Utica College of Syracuse University.

Katherine Mogg

Katherine Mogg serves as Managing Director and Head of Legal and Regulatory Affairs to NY Green Bank, providing legal advice and counsel regarding operations, transactions, regulatory issues and general corporate affairs. Ms. Mogg also manages relationships with law firms providing counsel to NY Green Bank.

Ms Mogg joined NY Green Bank in 2021 with more than 20 years of experience as a transactional attorney specializing in environmental law, project finance and renewable energy. Prior to joining NY Green Bank, Ms. Mogg was a Managing Director and Legal Counsel at Macquarie Capital for more than ten years, where she provided legal advice in connection with the firm's investment banking and principal investment activities, with a special focus on the renewable energy transactions of the firm's Green Investment Group. Prior to joining Macquarie Capital, she was an associate in the Project, Energy and Infrastructure Finance group at Milbank LLP in New York.

Ms. Mogg holds bachelor's degrees in Arts and Law from the University of New South Wales in Sydney, Australia and a Master of Laws degree (with a focus on international environmental law) from the School of Law at NYU.

Katherine Muller

Katherine Muller is the Vice President for Corporate Communications and Marketing She is responsible for media relations, crisis communications, brand management, corporate marketing, social media and events management. Prior to joining NYSERDA in 2011, Ms. Muller worked for a decade at World Wrestling Entertainment ("WWE"), a global entertainment company, advancing to Senior Director of Corporate Communications. While at WWE, her responsibilities included managing corporate communications, crisis communications, and community relations programs throughout the U.S. Ms. Muller worked in corporate communications at the General Electric Company ("GE") in Fairfield, Conn. before joining WWE. She graduated from Marist College with a B.A. in Communications, and a MPA from Rockefeller College of Public Affairs and Policy at SUNY Albany.

Sarah Osgood

As Executive Director of the Climate Action Council, Ms. Osgood manages the Climate Action Council process towards completion of the Scoping Plan and will establish and implement the plan's ongoing review and periodic updates after its completion. She also serves as the liaison among Council members and works closely with the Co-Chairs in the implementation of Scoping Plan activities. With almost 15 years of public service, Ms. Osgood has extensive experience in public policy, program development and implementation, and demonstrated leadership within the public sector. Prior to assuming the role of Executive Director, Ms. Osgood was the Director of Policy Implementation at the New York State Department of Public Service and served as senior policy advisor to the Chair of the Public Service Commission - providing guidance and strategic leadership on policy development and implementation ensuring consistency across a wide breadth of objectives. Additionally, she has held several positions within state government, including Chief of Staff and Program Manager for Policy and Program Development at NYSERDA, as well as Assistant Secretary for Renewable Energy in the Office of the Governor.

Mary Peck

Mary Peck was appointed as the Director of Internal Audit for NYSERDA on June 27, 2018. In this position, Mary is responsible for managing all aspects of the execution of the annual audit plan, reviewing operations to assure compliance with management policies, governance processes, and the effectiveness of internal controls. Throughout her career, she has earned a reputation at both the state and national level as an expert and leader in developing and promoting strong systems of governance, risk, and controls. In 2004, the NYS Division of the Budget, in conjunction with the Office of the State Comptroller, created an interagency task force to address both internal audit compliance issues, as well as to provide compliance guidance on the broader internal control requirements of the NYS Internal Control Act. In support of that effort, Mary was chosen as the Task Force Co-Chair and was asked to present on the final report and the NYS model at an audit symposium in South Korea. Mary serves on the Board of Governors for the Institute of Internal Auditors and the New York State Internal Control Association. Prior to her appointment at NYSERDA, Mary served as the Director of Internal Control for NYS OPWDD, was a Senior Auditor for the New York ISO, a not-for-profit organization responsible for monitoring the statewide electrical power grid and held various positions within the Office of the State Comptroller. Mary graduated summa cum laude with a BBA in Accounting from Siena College. She is a Certified Internal Auditor and holds various other risk and audit designations

Gregory Randolph

Gregory Randolph is a Managing Director and head of Investment and Portfolio Management at the NY Green Bank, a Division of NYSERDA. Mr. Randolph oversees investments made by the New York Green Bank and manages the overall portfolio. Mr. Randolph has 40 years of experience in project and energy finance, capital markets, M&A and financial advisory. Mr. Randolph began his career in the corporate banking group of JPMorgan. He spent 13 years in the investment banking group of Goldman Sachs where he remains the project finance and midstream energy groups. Prior to joining the Green Bank, he spent 16 years at Greenhill & Co where he ran the energy group in New York and Houston. Mr. Randolph is magna cum laude graduate of Tufts University and received his MBA from the Wharton School at the University of Pennsylvania.

Trond Rokholt

Trond Rokholt is a Managing Director at NY Green Bank on the Investment and Portfolio Management Team. He is responsible for investing NY Green Bank's capital in clean and sustainable energy projects in the State of New York, manages a portfolio of investments across various renewable energy asset classes, and he is a member of NY Green Bank's Investment and Risk Committee. Trond has more than 30 years of experience in providing corporate and project finance, M&A advisory and restructuring services to the renewable and conventional energy, and the maritime transportation sectors. He has arranged more than \$14 billion of loans and raised more than \$10 billion from capital markets over the years to support construction, acquisition, growth and permanent capital for projects and companies involved in conventional and renewable energy. Additionally, he has developed extensive long-term relationships throughout the renewable and conventional energy sectors. Prior to joining NY Green Bank, Trond served as a managing director in the investment banking arm of DVB Bank SE focused on capital raising and M&A for transportation and energy clients globally. Trond has been a senior member of the maritime transportation and energy teams at Pareto Securities, Jefferies, Fortis Capital and BancBoston Robertson Stephens. Trond began his banking career specializing in shipping and oil & gas at ING Bank and Manufacturers Hanover Trust in New York. Trond holds an MBA in finance from McCombs School of Business at the University of Texas and B.S. in finance from University of Utah.

David Sandbank

David Sandbank is the Vice President for Distributed Energy Resources Technology. In November 2014 David Sandbank joined NYSERDA to run New York State's \$1 billion NY-Sun initiative and has overseen the largest year-over-year growth of solar in New York State. In addition, Sandbank led the design and launch of a comprehensive Community Solar program to reduce the over-all cost of solar in the State and enable access to solar for all New Yorkers along with Solarize, Affordable Solar and K-Solar. Prior to joining NYSERDA, Sandbank worked as a solar developer, helping a start-up grow into a \$30 million company. Sandbank helped build a staff of more than 100 and oversaw company operations, marketing, engineering and installation teams. In November 2013, Sandbank was elected vice president of the New York Solar Energy Industries Association to actively work with government agencies, policy makers and utility companies to help advance the solar industry in New York.

Georges Sassine

Georges Sassine is the Vice President for Large-Scale Renewables at the New York State Energy Research and Development Authority (NYSERDA). He leads NYSERDA's work in advancing both land-based renewable energy and offshore wind resources. Prior to joining NYSERDA in September 2021, he spent nearly ten years at General Electric (GE) where he took on a wide scope of responsibilities including strategy, scenario planning, product management, innovation, marketing and business development. He started his career in engineering and policy analysis roles with the United Nations Development Program (UNDP) in the Middle East and at a couple of think tanks in Washington, DC. Georges has also worked with several multinational corporations driving policy analysis, investment and business strategy including Deutsche Bank's Energy & Climate Change Advisors team in New York and Man Group's energy private equity fund in London. He is also the founder of a non-profit that advocates for transparency and good governance in the energy industry. Georges sits on the board of the Clean Energy States Alliance (CESA), a non-profit platform for states and public agencies to collaborate to advance clean energy

in the United States. He holds a bachelor's in engineering in Mechanical Engineering from the American University of Beirut, and a master's in public policy from Harvard University.

Resolution No. ____

RESOLVED, that the Authority's compensation schedule presented at this June 28, 2022 meeting is hereby approved by the Board as the compensation schedule to be submitted pursuant to Section 2800 of the Public Authorities Law; and

BE IT FURTHER RESOLVED that the attached vitae are approved by the Board for submission under Section 2800 of the Public Authorities Law.

NEW YORK STATE
ENERGY RESEARCH AND DEVELOPMENT AUTHORITY

FY 2021-22 ANNUAL INVESTMENT REPORT

A. EXPLANATION OF INVESTMENT GUIDELINES

Public Authorities Law Section 2925 provides that the investment guidelines of a public authority shall set forth, among other things:

- a detailed list of permitted investments;
- what types of investments shall be secured with collateral and to what extent;
- what types of investments shall be made pursuant to written contracts;
- how collateral shall be valued and monitored;
- standards for diversifying types of investments and for qualifying and diversifying firms with which business is transacted;
- requirements for Board verification of matters relating to investments;
- provisions for annual independent audit of all investments; and
- provisions for preparing and filing quarterly and annual investment reports.

The Guidelines explicitly require the Board to determine whether results are consistent with objectives, to review the independent audit of investments, to review the program for consistency with statutory requirements, and to verify collateral semi-annually (at least once on an unscheduled basis). The Guidelines permit delegation of these functions through the Audit and Finance Committee to the Authority's independent auditors.

The Guidelines provide that, where practicable, the Members shall review and approve at the June meeting an annual investment report and the investment guidelines.

B. AMENDMENTS

The Investment Guidelines were last approved by the Members at the June 2021 meeting. With respect to the Investment Guidelines (June 2022), one ministerial change is being proposed.

C. INVESTMENT GUIDELINES, OPERATIVE POLICY AND INSTRUCTION

Following is the Investments Guidelines, Operative Policy and Instruction as of June 2021.

INVESTMENT GUIDELINES, OPERATIVE POLICY AND INSTRUCTIONS
(June 2021)

I. Introduction

These guidelines set forth the policy of the New York State Energy Research and Development Authority (hereafter "the Authority") and instructions to its officers and staff with regard to its investments and the monitoring and reporting of these investments. The guidelines are intended to meet or exceed the provisions of Public Authorities Law (hereafter, "PAL") Section 2925, the Office of the State Comptroller's Investment Guidelines for Public Authorities contained in 2 NYCRR Part 201, Section 201.3, and the provisions of the Authority's enabling legislation concerning Authority investments. In accordance with PAL Section 2925, the guidelines will be reviewed, revised, if necessary, and approved as frequently as necessary and appropriate, but not less frequently than annually, in the manner described hereafter.

The provisions of these guidelines apply to all monies for which the Authority is responsible for directing investment. This includes monies to which the Authority has legal title and which are held by the Commissioner of Taxation and Finance as fiscal agent of the Authority (PAL Section 1859(1)). It also includes monies to which the Authority does not have legal title, but for which it is responsible for directing investment such as monies held by the trustee for the State Service Contract Revenue (West Valley) Bonds.

The Authority conducts a Private Activity Bond Financing Program. Pursuant to this program, tax-exempt non-recourse securities are issued by the Authority, and the proceeds are made available to State utilities and other non-State entities to finance eligible projects. These securities do not constitute a debt of or charge against the credit of the Authority or the State. Rather, the utility or other entity for which the securities are issued is liable for payment of the principal, redemption premium, if any, and interest on the securities. The proceeds of each issuance are deposited with a trustee chosen by the participating utility or other entity and are not available for investment by the Authority. Generally, the Indenture of Trust for the transaction will contain a list of securities in which the Trustee may invest these monies. The list of permitted investments is approved by the Commissioner of Taxation and Finance as part of the Commissioner's review pursuant to the enabling legislation of the Authority. Investments are made at the direction of the participating utility or other entity and not at the direction of the Authority. Accordingly, the provisions of these Investment Guidelines do not apply to the investing of these monies. Nonetheless, when participating in the formulation of these financing transactions, staff are directed to pursue the objectives set forth in the Investment Guidelines and to require that prudent provisions as to permitted investments, collateral requirements and investment monitoring be included in the underlying documents, as appropriate.

II. Definitions

"Broker-Dealer" means any government bond trader approved by the Commissioner of Taxation and Finance reporting to, trading with, and recognized as a primary dealer by the Federal Reserve Bank of New York.

"Custodian" means the Commissioner of Taxation and Finance, or a bank, trust company or national banking association designated or approved to hold securities on behalf of or for the benefit of the Authority, as trustee or otherwise.

"Eligible Banking Institution" means any bank, trust company, or national banking association approved by the Commissioner of Taxation and Finance doing business through offices located within New York State. For the State of New York's Excelsior Linked Deposit Program only, Eligible Banking Institution shall also include savings and loan institutions.

"Federal Governmental Obligations" means obligations of the United States and obligations the principal and interest of which are unconditionally guaranteed by the United States.

"Repurchase Agreement" means a written contract whereby the Authority purchases securities, and the seller of the securities agrees to repurchase the securities at a future date for a specified price. Repurchase Agreements may be used to purchase only Federal Government Obligations. The Authority may enter into a Repurchase Agreement only with an Eligible Banking Institution or a Broker-Dealer.

"Money Market Fund" means shares of a diversified open-end management investment company, as defined in the Investment Company Act of 1940, registered under the Federal Securities Act of 1933, and operated in accordance with Rule 2a-7 of the Investment Company Act of 1940 as a "Government Money Market Fund" (investing at least 99.5 percent of its total assets in cash, Government Securities, and and/or Repurchase Agreements that are fully collateralized), provided that it is rated in the highest rating category by at least two nationally recognized rating organizations, and provided that it does not impose any liquidity fees or suspend redemptions as provided thereunder.

III. Investment Objectives

The investment objectives of the Authority, listed in order of importance, are as follows: to conform with all applicable Federal, State and other legal requirements; to safeguard adequately investment principal; to earn reasonable rates of return; and to provide for portfolio liquidity. These investment objectives will likely be achieved through substantial reliance on Federal Governmental Obligations and minimal investment in long-term securities.

IV. Delegation of Authority

The responsibility for implementing the investment program is delegated to the Authority's Treasurer. All investment transactions shall be approved and authorized by the Treasurer or, in his/her absence the Controller and Assistant Treasurer, or any Officer of the Authority. Such authorized investment transactions shall be initiated and executed by the Commissioner of Taxation and Finance (or his/her authorized designees), the Authority's fiscal agent established pursuant to Section 1859 of the Public Authorities Law. The Treasurer shall establish written procedures for the operation of the investment program consistent with these Investment Guidelines. Such procedures shall include an internal control structure to provide a reasonable level of accountability over the authorization, recording and reporting of investment transactions, and to provide for a segregation of duties between authorization and accounting functions.

Investments shall be made in accordance with the Authority's Investment Guidelines, Operative Policy and Instructions using the judgment and care, under circumstances then prevailing, which persons of prudence, discretion and intelligence exercise in the management of their own affairs, not for speculation, but for investment, considering the objectives set forth herein. All Authority staff participating in the investment process shall act responsibly as custodians of the public trust and shall avoid any transaction that might impair public confidence in the Authority's ability to effectively fulfill its responsibilities. All participants involved in the investment process shall refrain from personal business activity that could conflict with proper execution of the investment program, or which could impair their ability to make impartial investment decisions.

V. Types of Investments Authorized

The Authority may deposit monies in demand deposit (checking) and time deposit (savings) accounts with Eligible Banking Institutions located in New York State. Monies deposited in such accounts shall be fully secured as soon as practicable by Federal Deposit Insurance Corporation (FDIC) insurance or obligations of New York State or Federal Government Obligations, subject to approval of the Commissioner of Taxation and Finance, the Authority's fiscal agent, in consultation with the Authority.

Investments shall be limited to the following types of securities:

- (1) Federal Governmental Obligations, provided that the term of each shall not exceed five (5) years;
- (2) obligations of New York State and obligations the principal and interest of which are guaranteed by New York State, provided that the term of each shall not exceed five (5) years;
- (3) certificates of deposit of Eligible Banking Institutions located in New York, provided that: the term of each shall not exceed five (5) years; pursuant to the limitations of a resolution adopted by the Members in June 1994, the Authority may invest in certificates of deposits through the State of New York's Excelsior Linked Deposit Program, whereby the Authority's deposit will earn a fixed rate of interest equal to 2% to 3%

less than the institution's published certificate of deposit rate consistent with this program's criteria; and subject to all other provisions outlined in these Guidelines.

(4) Repurchase Agreements, provided that the term of each shall not exceed sixty (60) days and that no more than 40 percent of the Authority's total investments shall be invested in Repurchase Agreements at the time of purchase; and

(5) Money Market Funds, provided that no more than 20 percent of the total amount of the Authority's investments shall be invested in Money Market Funds for more than 15 consecutive days.

Nothing herein contained shall preclude the Authority from imposing further restrictions on the investing of funds in any Indenture of Trust relating to the issuance of bonds.

VI. Authorized Financial Institutions and Dealers

Eligible Banking Institutions and Broker-Dealers authorized for the Authority's investment purposes shall be approved based upon policies and procedures established by the Commissioner of Taxation and Finance. The Authority will periodically consult with the Department of Taxation and Finance concerning their policies, practices and the resulting list.

VII. Diversity of Investments

To the extent practical, the Authority shall diversify its investments by financial institution, by investment instrument, and by maturity. The cash flow requirements of the Authority will be a significant determining factor in selecting the term of investment securities. Competitive quotations, pursuant to policies established by the Commissioner of Taxation and Finance and executed by his/her designated staff, shall be used to select the institution from which investments are purchased.

Except as otherwise required by any policies and practices of the Commissioner of Taxation and Finance, the Authority shall not invest more than 35 percent of its total investment portfolio with a single Eligible Banking Institution.

VIII. Collateral and Delivery of Securities

Collateral for investments shall be limited to: (i) obligations of New York State and obligations the principal and interest of which are guaranteed by New York State; and (ii) Federal Governmental Obligations. The Authority shall not accept a pledge of a proportionate interest in a pool of collateral. Collateral shall be segregated in the name of the Authority, and shall be in the custody of the Authority or a third party Custodian pursuant to a written custodial agreement; provided, that if the Custodian is the Commissioner of Taxation and Finance, a written custodial agreement shall not be required. The written custodial agreement shall specify circumstances, if any, under which collateral may be substituted, and shall provide that the Custodian holds the collateral solely for the benefit of the Authority and makes no claim thereto. The market value of collateral and accrued interest, if any, shall equal or exceed the value of the secured investment and accrued interest, if any, at all times. Collateral shall be marked to market at the time of the initial investment and, thereafter, no less frequently than monthly using the bid or closing price as quoted in The Wall Street Journal.

In addition to collateral permitted for investments, collateral for deposits made with banks participating in the State's Excelsior Linked Deposit Program shall, subject to the discretion of the Commissioner of Taxation and Finance with confirmation to the Authority, include obligations permitted under Section 105 of the State Finance Law.

Certificates of deposit, demand deposits and time deposits shall be fully collateralized for amounts in excess of Federal Deposit Insurance Corporation (FDIC) coverage.

Securities purchased through a Repurchase Agreement shall be marked to market at least monthly.

Collateral shall not be required with respect to the purchase of obligations of New York State, obligations the principal and interest of which are guaranteed by New York State, Federal Governmental Obligations, or

money market funds.

Under any Repurchase Agreement, payment shall be made by or on behalf of the Authority to the seller upon the seller's delivery of obligations of the United States to the Custodian designated by the Authority, or, in the case of a book entry transaction, when the obligations of the United States are credited to the Custodian's Federal Reserve Bank account. Payment shall be made by or on behalf of the Authority for obligations of New York State, obligations the principal and interest of which are guaranteed by New York State, Federal Governmental Obligations, certificates of deposit, and other purchased securities upon the delivery thereof to the Custodian designated by the Authority, or, in the case of a book entry transaction, when the purchased securities are credited to the Custodian's Federal Reserve System account.

IX. Written Contracts

The Authority has determined that, with the exception of Repurchase Agreements, written contracts are not a regular business practice for the types of securities (obligations of New York State, Federal Governmental Obligations, etc.) in which Authority monies may be invested. The interests of the Authority will be adequately protected by conditioning payment by or on behalf of the Authority on the physical delivery of purchased securities to the Authority or its Custodian, or, in the case of book-entry transactions, on the crediting of purchased securities to the Custodian's Federal Reserve System account. In addition, all purchases will be confirmed in writing to the Authority.

Only an Eligible Banking Institution or a Broker-Dealer shall be qualified to enter into a Repurchase Agreement with the Authority's fiscal agent. The Authority's fiscal agent shall enter into a Master Repurchase Agreement, patterned after the Bond Market Association (formerly Public Security Association) model master repurchase agreement, with each Eligible Banking Institution or Broker-Dealer with which the fiscal agent enters into a specific Repurchase Agreement. The Master Repurchase Agreement shall include:

- (a) a description of the relationship of the parties as purchaser and seller;
- (b) a description of the events of default which would permit the purchaser to liquidate the pledged collateral;
- (c) procedures which ensure that the Authority obtains a perfected security interest in the underlying securities; and
- (d) the method of computing margin maintenance requirements, including a limitation, based on policies established by the Commissioner of Taxation and Finance, that securities purchased and held as collateral for repurchase agreements shall be Federal Government Obligations maturing in twelve years or less, and provided that: (i) if such collateral has a maturity of seven years or less, the market value must equal or exceed 101% of the par value of the repurchase agreement; and (ii.) if such collateral has a maturity greater than seven years, the market value must equal or exceed 102% of the par value of the repurchase agreement.

X. Qualification of Custodians

The following shall be qualified to act as Custodian: the Commissioner of Taxation and Finance, any bank or trust company chartered by the State of New York which is not a member of the Federal Reserve System, or any bank, trust company, or national banking association which is a member of the Federal Reserve System, including an Eligible Banking Institution, which transacts business through offices located within the State of New York. During the time that any bank or trust company serves as Custodian, it must be rated at least "A", or its equivalent, by a nationally recognized independent rating agency. With respect to the holding of securities purchased by the Authority through a Repurchase Agreement, the Custodian may not be the Eligible Banking Institution with which the Authority or its fiscal agent has entered into such Repurchase Agreement, nor an agent of such Eligible Banking Institution for purposes of the Repurchase Agreement.

XI. Audit and Finance Committee

The functions of the Audit and Finance Committee with respect to investments are to:

- (a) monitor the system of internal controls;
- (b) verify relevant matters relating to securities purchased or held as collateral semi-annually and on an unscheduled basis;
- (c) determine whether the investment results are consistent with the investment objectives set forth in these Investment Guidelines;
- (d) review any independent audits of the investment program;
- (e) review these Investment Guidelines periodically and recommend to the Members of the Authority such amendments thereto as may be necessary or appropriate; and
- (f) evaluate systematically and periodically the investment program consistency with the provisions of PAL Section 2925, these Investment Guidelines, and the Office of the State Comptroller's Investment Guidelines for Public Authorities (2 NYCRR Part 201, Section 201.3).

In support of its functions, the Audit and Finance Committee shall:

- (a) require the Authority's independent auditors to perform a review of, and issue a report on, the Authority's compliance with Section 201.3 of Title Two of the New York Codes, Rules, and Regulations, under Government Auditing Standards issued by the Comptroller General of the United States;
- (b) review the quarterly, annual, and any other periodic investment reports, and recommend to the Members of the Authority such changes in the annual investment report as it deems necessary or appropriate;
- (c) review the written annual audit report of the independent auditors;
- (d) discuss with the independent auditors, with staff and officers not present, the results of the annual independent audit and the written annual audit report; and
- (e) review not less frequently than annually these Investment Guidelines, and recommend to the Members of the Authority such changes in these Investment Guidelines as it deems necessary or appropriate.

XII. Operations and Procedures

The Treasurer, or in his/her absence the Controller and Assistant Treasurer or any Authority Officer, shall authorize the purchase and sale of all securities, authorize the disbursement of funds for delivery of securities, determine the selection of brokers, dealers and Custodians, and execute contracts for Repurchase Agreements and custodial services on behalf of the Authority. The process of initiating, reviewing and approving requests to purchase and sell securities shall be documented and retained for audit purposes. Oral directions concerning the purchase or sale of securities shall be confirmed in writing. The Authority shall pay for purchased securities upon the delivery or book-entry thereof, and the Authority will obtain written confirmation of each delivery or book-entry. Custodians must have prior authorization from the Authority to deliver securities and collateral and shall not deliver securities except upon receipt of funds. Custodians shall confirm in writing all such transactions. Custodians shall report whenever activity has occurred in a custodial account of the Authority.

The Treasurer shall develop detailed investment procedures implementing the Investment Guidelines as part of the Accounting Policy and Procedures Manual which shall include, but not be limited to, the following:

- (a) the establishment and maintenance of a system of internal controls for investments;
- (b) methods for adding, changing or deleting information contained in the investment record, including a description of the documents to be created and verification tests to be conducted;
- (c) a data base or record incorporating descriptions and amounts of investments, transaction dates, interest rates, maturities, bond ratings, market prices and related information necessary to manage the portfolio; and

(d) requirements for periodic reporting and a satisfactory level of accountability.

Except in the purchase of government securities at their initial auction, the Authority will encourage investment selections utilizing competitive quotations based upon the procedures established by the Commissioner of Taxation and Finance and carried out by his/her designated personnel.

The Treasurer shall maintain a record of investments. The record shall identify each security, the fund for which held, the place where kept, date of disposition and amount realized, and the market value and Custodian of the collateral.

At least monthly, the Authority shall verify the principal amount and market values of all investments and collateral. The Authority shall obtain appropriate listings from Custodians and compare such listings against the records of the Authority.

XIII. Audit

At the time the independent auditors to the Authority conduct the annual audit of the accounts and financial affairs of the Authority, the independent auditors shall audit the investments of the Authority for the subject fiscal year. The annual investment audit shall determine whether:

- (a) the Authority's investment practices and operations have been consistent with the provisions of PAL Section 2925, these Investment Guidelines, the Office of the Comptroller's Investment Guidelines for Public Authorities, and the Authority's investment operating procedures contained in its Accounting Policies and Procedures Manual;
- (b) adequate accounts and records are maintained which accurately reflect all transactions and report on the disposition of the Authority's investment assets; and
- (c) a system of adequate internal controls for investments is maintained.

The independent auditors shall prepare a written annual audit report which presents the results of their annual investment audit, and shall include:

- (a) a description of the scope and objectives of the audit;
- (b) a statement that the audit was made in accordance with generally accepted government auditing standards;
- (c) a description of any material weaknesses found in the internal investment controls;
- (d) a description of all non-compliance with provisions of PAL Section 2925, these Investment Guidelines, the Office of the State Comptroller's Investment Guidelines for Public Authorities (2 NYCRR Part 201, Section 201.3), or the Authority's investment operating procedures contained in its Accounting Policies and Procedures Manual;
- (e) a statement of positive assurance of compliance on the items tested; and
- (f) a statement of any other material deficiency or finding identified during the audit not covered in (e) above.

XIV. Reporting

Within sixty (60) days of the end of each of the first three quarters of the Authority's fiscal year, the Treasurer shall prepare and submit to the Members of the Authority and to the Audit and Finance Committee of the Authority a quarterly investment report which indicates new investments, the inventory of existing investments, the selection of Custodians and Broker-Dealers, and such other matters as the Treasurer deems

appropriate.

Within 120 days of the end of the fiscal year, the Treasurer shall prepare and submit to the Audit and Finance Committee an annual investment report, which shall include the Investment Guidelines, including any amendment to the Investment Guidelines since the last annual investment report; an explanation of the Investment Guidelines and amendments; the results of the annual independent audit; the investment income record; a list of total fees, commissions or other charges paid to each Broker-Dealer and Custodian; and such other matters as the Treasurer deems appropriate.

The Members of the Authority shall review and approve the annual investment report, if practicable, at the June meeting of the Authority, for submission thereof to the Division of the Budget, the Department of Audit and Control, the Senate Finance Committee, and the Assembly Ways and Means Committee.

The Authority's annual financial statements shall report the Authority's investments and provide such disclosure information as is required by applicable governmental accounting standards.

Not less frequently than annually, and if practicable, at the June meeting of the Authority, the Members of the Authority shall review, amend, if necessary or appropriate, and approve these Investment Guidelines.

The provisions of these Investment Guidelines and any amendments hereto shall take effect prospectively and shall not invalidate the prior selection of any Custodian, Broker-Dealer, any prior investment, nor any list of permitted investments set forth in any indenture of trust or similar document previously executed by the Authority.

D. INVESTMENT SUMMARY AS OF MARCH 31, 2021

Following is summary and detail of the Authority's investments as of March 31, 2022

NYSERDA
Investment Report Summary
As of March 31, 2022

Summary of Investments by Functions/Programs

<u>Funding Source</u>	<u>3/31/2022 Market Value</u>	<u>3/31/2021 Market Value</u>	<u>Increase/ Decrease</u>
Clean Energy Standard (CES)	\$203,172,081	\$61,640,478	\$141,531,604
Regional Greenhouse Gas Initiative (RGGI)	206,330,918	95,323,724	111,007,195
NY Green Bank	450,497,884	385,009,491	65,488,393
NY-Sun	106,698,874	49,624,074	57,074,801
Other (Individually less than 5% of total)	168,447,714	125,011,589	43,436,125
Green Jobs Green New York (GJGNY)	75,947,519	65,578,663	10,368,856
Market Development/Innovation & Research (CEF)	100,694,024	107,897,030	(7,203,006)
<u>Custodial Funds:</u>			
Perpetual Care	31,742,076	31,735,365	6,710
Low Level Radioactive Waste Account	1,907,848	2,947,961	(1,040,113)
Total Investments	<u>\$1,345,438,938</u>	<u>\$924,768,374</u>	<u>\$420,670,564</u>

Analysis: Increase in CES is primarily due to the ZEC program reflecting a full 12 months of receipts, whereas in the prior fiscal year there were only 11 months of receipts due to a change in the billing methodology. REC alternative compliance payments collected and bid & contract security deposits received also contributed to the CES variance. RGGI allowance proceeds were higher than anticipated due to the average auction price being significantly higher than was budgeted. NY Green Bank's increase was primarily due to the proceeds from sale of a large portion of the portfolio of Loans and financing receivables to a third party investor. NY-Sun's variance was largely due to higher utility surcharge collections reflecting the additional funding of the program anticipated in the form of a larger working capital balance requirement. Other increased primarily due to \$26 million of receipts pursuant to the Clean Transportation Volkswagen Settlement Agreement and unexpended Energy Storage program receipts; offset in part by expenditures in many funds. Increase in GJGNY is primarily due to multiple sales of a portion of loan receivables to outside investors. Decrease in CEF was largely due to higher expenses during the fiscal year which reduced working capital balances at March 31, 2022.

Summary of Investments by Investment Type

	<u>3/31/2022</u>	<u>% of Total</u>	<u>3/31/2021</u>	<u>% of Total</u>
US Treasury Obligations	\$1,239,961,077	92.2%	\$783,329,747	84.7%
Money Market Deposits	105,477,861	7.8%	141,438,627	15.3%
Total	<u>\$1,345,438,938</u>	<u>100.0%</u>	<u>\$924,768,374</u>	<u>100.0%</u>
Weighted average term of investments	4.7 months		2.0 months	
Weighted average time to maturity	2.7 months		1.0 month	

Analysis: The increase in average term of investments was to better match cashflow needs and capitalize on a rising interest rate environment while maintaining liquidity and security of investments.

Investment Income

<u>Funding Source</u>	<u>Interest Income</u>	<u>Unrealized Gain or (Loss)</u>	<u>Year Ended</u>	<u>Year Ended</u>
			<u>3/31/2022</u>	<u>1/0/1900</u>
			<u>Total</u>	<u>Total</u>
Clean Energy Standard (CES)	\$92,274	(\$115,802)	(\$23,528)	\$57,390
Regional Greenhouse Gas Initiative (RGGI)	85,632	(78,543)	7,089	92,810
NY Green Bank	204,877	(214,248)	(9,371)	215,045
NY-Sun	55,480	(64,914)	(9,434)	39,249
Other	76,970	(35,022)	41,948	136,777
Green Jobs Green New York (GJGNY)	26,187	(16,603)	9,584	68,322
Market Development/Innovation & Research (CEF)	66,409	(156,078)	(89,669)	92,474
<u>Custodial Funds:</u>				
Perpetual Care Funds	12,306	(6,025)	6,281	25,331
Low Level Radioactive Waste Account	1,289	110	1,399	2,040
Total	<u>\$621,424</u>	<u>(\$687,125)</u>	<u>(\$65,701)</u>	<u>\$729,439</u>
Investment Yield (Annualized)			-0.006%	0.09%
Weighted Average Yield to Maturity of Current Investments			0.29%	0.03%

Analysis: Although there was an overall increase in interest rates, our annualized investment yield was lower than the prior year due to the inclusion of an unrealized downward adjustment in fair market value at March 31, 2022. NYSERDA generally holds investments to maturity, and as a result all investments actually held to maturity will provide for realized income at the interest rate each was purchased at.

NYSERDA Investments

03/31/22

	-Investment Type-	-Purchase Date-	Maturity Date-	-Cost-	-Principal-	Yield-	-Market Value-
Clean Energy Standard							
Clean Energy Standard	US Treasury Bill	12/16/21	04/21/22	28,250,165	28,256,000	0.06%	28,254,077
Clean Energy Standard	US Treasury Bill	12/16/21	06/02/22	26,998,971	27,010,000	0.09%	26,994,812
Clean Energy Standard	US Treasury Bill	03/03/22	06/09/22	26,770,958	26,795,000	0.34%	26,775,741
Clean Energy Standard	US Treasury Bill	03/24/22	05/19/22	16,159,393	16,165,000	0.23%	16,159,630
Clean Energy Standard	US Treasury Bill	01/20/22	08/11/22	14,999,044	15,028,000	0.35%	14,982,265
Clean Energy Standard	US Treasury Bill	01/20/22	10/06/22	10,646,960	10,680,000	0.44%	10,622,033
Clean Energy Standard	US Treasury Bill	03/31/22	05/19/22	34,090,367	34,099,000	0.19%	34,087,672
Clean Energy Standard	US Treasury Bill	02/24/22	06/16/22	2,014,688	2,017,000	0.37%	2,015,233
Clean Energy Standard	US Treasury Bill	03/17/22	07/21/22	28,844,088	28,902,000	0.58%	28,843,184
Clean Energy Standard	US Treasury Bill	02/17/22	12/01/22	14,455,150	14,547,000	0.80%	14,437,435
Clean Energy Standard Total				\$203,229,784	\$203,499,000		\$203,172,081
Regional Greenhouse Gas Initiative							
Regional Greenhouse Gas Initiative	US Treasury Bill	12/16/21	04/21/22	36,186,526	36,194,000	0.06%	36,191,537
Regional Greenhouse Gas Initiative	US Treasury Bill	12/16/21	06/02/22	36,186,218	36,201,000	0.09%	36,180,644
Regional Greenhouse Gas Initiative	US Treasury Bill	03/24/22	07/21/22	23,651,290	23,701,000	0.65%	23,652,768
Regional Greenhouse Gas Initiative	US Treasury Bill	03/24/22	08/11/22	23,649,867	23,721,000	0.79%	23,648,809
Regional Greenhouse Gas Initiative	US Treasury Bill	03/24/22	08/18/22	23,651,388	23,729,000	0.82%	23,651,734
Regional Greenhouse Gas Initiative	US Treasury Bill	03/17/22	07/14/22	26,617,207	26,664,000	0.54%	26,617,205
Regional Greenhouse Gas Initiative	US Treasury Bill	02/17/22	10/06/22	18,198,823	18,277,000	0.68%	18,177,799
Regional Greenhouse Gas Initiative	US Treasury Bill	02/17/22	08/04/22	18,210,824	18,261,000	0.59%	18,210,423
Regional Greenhouse Gas Initiative Total				\$206,352,143	\$206,748,000		\$206,330,918
NY Green Bank							
NY Green Bank	US Treasury Bill	11/18/21	04/28/22	28,399,093	28,405,000	0.05%	28,402,728
NY Green Bank	US Treasury Bill	12/16/21	06/02/22	22,198,932	22,208,000	0.09%	22,195,519
NY Green Bank	US Treasury Bill	12/09/21	05/19/22	17,599,189	17,606,000	0.09%	17,600,155
NY Green Bank	US Treasury Bill	12/09/21	05/26/22	16,999,341	17,007,000	0.10%	16,999,534
NY Green Bank	US Treasury Bill	10/28/21	04/07/22	27,499,849	27,506,000	0.05%	27,505,340
NY Green Bank	US Treasury Bill	11/04/21	04/14/22	30,000,290	30,007,000	0.05%	30,005,470

NY Green Bank	US Treasury Bill	11/12/21	04/21/22	22,898,961	22,904,000	0.05%	22,902,443
NY Green Bank	US Treasury Bill	11/26/21	05/05/22	20,298,755	20,305,000	0.07%	20,302,178
NY Green Bank	US Treasury Bill	12/02/21	05/12/22	28,798,840	28,808,000	0.07%	28,801,720
NY Green Bank	US Treasury Bill	12/23/21	06/09/22	16,899,321	16,908,000	0.11%	16,895,843
NY Green Bank	US Treasury Bill	12/31/21	06/16/22	8,898,874	8,903,000	0.10%	8,895,201
NY Green Bank	US Treasury Bill	03/03/22	06/16/22	35,199,031	35,235,000	0.36%	35,204,134
NY Green Bank	US Treasury Bill	01/06/22	06/30/22	16,999,628	17,017,000	0.21%	16,995,252
NY Green Bank	US Treasury Bill	01/06/22	06/23/22	16,998,646	17,013,000	0.18%	16,994,711
NY Green Bank	US Treasury Bill	03/24/22	06/23/22	5,199,549	5,206,000	0.50%	5,200,404
NY Green Bank	US Treasury Bill	01/13/22	07/07/22	9,699,316	9,711,000	0.25%	9,695,958
NY Green Bank	US Treasury Bill	01/20/22	07/14/22	10,498,771	10,515,000	0.32%	10,496,546
NY Green Bank	US Treasury Bill	03/10/22	06/09/22	16,899,180	16,915,000	0.38%	16,902,838
NY Green Bank	US Treasury Bill	02/03/22	11/03/22	22,497,068	22,591,000	0.56%	22,452,946
NY Green Bank	US Treasury Bill	02/03/22	07/21/22	21,997,634	22,039,000	0.40%	21,994,151
NY Green Bank	US Treasury Bill	02/10/22	07/28/22	17,997,273	18,046,000	0.58%	18,001,336
NY Green Bank	US Treasury Bill	02/18/22	11/03/22	10,999,323	11,051,000	0.66%	10,983,467
NY Green Bank	US Treasury Bill	02/18/22	08/04/22	10,998,686	11,029,000	0.60%	10,998,450
NY Green Bank	JPM Green Bank MM	N/A		14,071,562	14,071,562		14,071,562

NY Green Bank Total				\$450,547,113	\$451,006,562		\$450,497,884
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NY-SUN

NY-SUN	US Treasury Bill	03/03/22	06/09/22	16,917,807	16,933,000	0.34%	16,920,829
NY-SUN	US Treasury Bill	03/24/22	08/11/22	13,433,595	13,474,000	0.79%	13,432,994
NY-SUN	US Treasury Bill	01/20/22	10/06/22	14,997,460	15,044,000	0.44%	14,962,347
NY-SUN	US Treasury Bill	01/20/22	07/07/22	10,520,448	10,535,000	0.30%	10,518,677
NY-SUN	US Treasury Bill	02/24/22	06/16/22	18,883,326	18,905,000	0.37%	18,888,437
NY-SUN	US Treasury Bill	03/10/22	06/23/22	31,970,088	32,010,000	0.44%	31,975,590

NY-SUN Total				\$106,722,724	\$106,901,000		\$106,698,874
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Multi Funding Source Cash Management

Multi Funding Source Cash Management	JPM NYSERDA MM	N/A		50,101,139	50,101,139		50,101,139
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Multi Funding Source Cash Management Total				\$50,101,139	\$50,101,139		\$50,101,139
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VW Diesel Emissions Mitigation

VW Diesel Emissions Mitigation	US Treasury Bill	12/16/21	04/21/22	19,398,993	19,403,000	0.06%	19,401,679
VW Diesel Emissions Mitigation	US Treasury Bill	12/16/21	06/02/22	19,347,097	19,355,000	0.09%	19,344,116

VW Diesel Emissions Mitigation Total				\$38,746,090	\$38,758,000		\$38,745,796
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Research & Development

Research & Development	US Treasury Bill	02/10/22	05/05/22	10,705,876	10,712,000	0.24%	10,710,508
Research & Development	US Treasury Bill	02/10/22	07/21/22	10,998,080	11,026,000	0.57%	11,003,562
Research & Development Total				\$21,703,957	\$21,738,000		\$21,714,070

Energy Storage

Energy Storage	US Treasury Bill	03/03/22	06/09/22	12,341,916	12,353,000	0.34%	12,344,121
Energy Storage	US Treasury Bill	02/10/22	09/08/22	8,998,829	9,033,000	0.66%	8,996,206
Energy Storage	US Treasury Bill	02/10/22	07/21/22	9,718,329	9,743,000	0.57%	9,723,173
Energy Storage Total				\$31,059,074	\$31,129,000		\$31,063,500

Renewable Portfolio Standard

Renewable Portfolio Standard	US Treasury Bill	03/24/22	07/14/22	10,293,216	10,312,000	0.60%	10,293,902
Renewable Portfolio Standard Total				\$10,293,216	\$10,312,000		\$10,293,902

New Efficiency New York

New Efficiency New York	US Treasury Bill	12/09/21	04/14/22	3,999,076	4,000,000	0.07%	3,999,796
New Efficiency New York	US Treasury Bill	12/09/21	07/14/22	4,999,119	5,003,000	0.13%	4,994,220
New Efficiency New York Total				\$8,998,195	\$9,003,000		\$8,994,016

Indian Point Energy Center

Indian Point Energy Center	US Treasury Bill	02/24/22	07/21/22	5,249,424	5,260,000	0.49%	5,249,296
Indian Point Energy Center Total				\$5,249,424	\$5,260,000		\$5,249,296

Build Ready

Build Ready	US Treasury Bill	02/24/22	06/16/22	2,285,377	2,288,000	0.37%	2,285,995
Build Ready Total				\$2,285,377	\$2,288,000		\$2,285,995

Perpetual Care Funds

Perpetual Care Funds	US Treasury Bill	11/18/21	05/12/22	31,741,283	31,749,000	0.05%	31,742,076
Perpetual Care Funds Total				\$31,741,283	\$31,749,000		\$31,742,076

Low Level Radioactive Waste

Low Level Radioactive Waste	US Treasury Bill	02/17/22	04/28/22	1,907,163	1,908,000	0.22%	1,907,848
Low Level Radioactive Waste Total				\$1,907,163	\$1,908,000		\$1,907,848

Green Jobs Green New York

Green Jobs Green New York	Money Market	N/A		41,305,160	41,305,160	0.00%	41,305,160
Green Jobs Green New York	US Treasury Bill	03/03/22	06/09/22	13,721,677	13,734,000	0.34%	13,724,129
Green Jobs Green New York	US Treasury Bill	01/06/22	06/30/22	20,923,619	20,945,000	0.21%	20,918,230
Green Jobs Green New York Total				\$75,950,456	\$75,984,160		\$75,947,519

Market Development/Innovation & Research

Market Development/Innovation & Research	US Treasury Bill	12/16/21	04/21/22	13,644,182	13,647,000	0.06%	13,646,071
Market Development/Innovation & Research	US Treasury Bill	03/03/22	06/09/22	10,573,504	10,583,000	0.34%	10,575,393
Market Development/Innovation & Research	US Treasury Bill	01/06/22	06/30/22	17,594,021	17,612,000	0.21%	17,589,490
Market Development/Innovation & Research	US Treasury Bill	03/24/22	07/14/22	14,230,032	14,256,000	0.60%	14,230,981
Market Development/Innovation & Research	US Treasury Bill	01/13/22	09/08/22	16,859,857	16,894,000	0.31%	16,825,185
Market Development/Innovation & Research	US Treasury Bill	01/20/22	11/03/22	27,896,173	27,998,000	0.46%	27,826,904
Market Development/Innovation & Research Total				\$100,797,770	\$100,990,000		\$100,694,024

Grand Total

\$1,345,684,907 \$1,347,374,861 \$1,345,438,938

E. AUDITOR'S REPORT ON COMPLIANCE WITH INVESTMENT GUIDELINES

As part of the annual audit of the financial statements of the Authority, the independent auditors audited the Authority's investments and its compliance with its Investment Guidelines for the fiscal year ended March 31, 2022. Following is the report issued by the independent auditors.

DRAFT REPORT



KPMG LLP
515 Broadway
Albany, NY 12207-2974

Independent Accountant's Report on Compliance with Section 201.3 of Title Two of the *Official Compilation of Codes, Rules and Regulations of the State of New York*

Members of the Authority
New York State Energy and Research Development Authority:

We have examined the New York State Energy Research and Development Authority's (the Authority) compliance with the requirements of Section 201.3 of Title Two of the *Official Compilation of Codes, Rules and Regulations of the State of New York* during the year ended March 31, 2022. Management of the Authority is responsible for the Authority's compliance with the specified requirements. Our responsibility is to express an opinion on the Authority's compliance with the specified requirements based on our examination.

Our examination was conducted in accordance with attestation standards established by the American Institute of Certified Public Accountants and the standards applicable to attestation engagements contained in *Government Auditing Standards* issued by the Comptroller General of the United States. Those standards require that we plan and perform the examination to obtain reasonable assurance about whether the Authority complied, in all material respects, with the specified requirements referenced above. An examination involves performing procedures to obtain evidence about whether the Authority complied with the specified requirements. The nature, timing, and extent of the procedures selected depend on our judgment, including an assessment of the risks of material noncompliance, whether due to fraud or error. We believe that the evidence we obtained is sufficient and appropriate to provide a reasonable basis for our opinion.

We are required to be independent and to meet our other ethical responsibilities in accordance with relevant ethical requirements relating to the engagement.

Our examination does not provide a legal determination on the Authority's compliance with specified requirements.

In our opinion, the Authority complied, in all material respects, with the requirements of Section 201.3 of Title Two of the *Official Compilation of Codes, Rules and Regulations of the State of New York* for the year ended March 31, 2022.

This report is intended solely for the information and use of the Members and management of the Authority, the New York State Office of the State Comptroller, the New York State Division of the Budget, and the New York State Authorities Budget Office and is not intended to be and should not be used by anyone other than those specified parties.

[(signed) KPMG LLP]

Albany, New York
June __, 2022

Operating Fund

NYS Department of Taxation and Finance - fiscal agent fees and expenses \$350,000

Total Fees and Charges \$350,000

NEW YORK STATE ENERGY RESEARCH AND DEVELOPMENT AUTHORITY
INVESTMENT GUIDELINES, OPERATIVE POLICY AND INSTRUCTIONS

(June 2022)

INVESTMENT GUIDELINES, OPERATIVE POLICY AND INSTRUCTIONS
(June 2022)

I. Introduction

These guidelines set forth the policy of the New York State Energy Research and Development Authority (hereafter "the Authority") and instructions to its officers and staff with regard to its investments and the monitoring and reporting of these investments. The guidelines are intended to meet or exceed the provisions of Public Authorities Law (hereafter, "PAL") Section 2925, the Office of the State Comptroller's Investment Guidelines for Public Authorities contained in 2 NYCRR Part 201, Section 201.3, and the provisions of the Authority's enabling legislation concerning Authority investments. In accordance with PAL Section 2925, the guidelines will be reviewed, revised, if necessary, and approved as frequently as necessary and appropriate, but not less frequently than annually, in the manner described hereafter.

The provisions of these guidelines apply to all monies for which the Authority is responsible for directing investment. This includes monies to which the Authority has legal title and which are held by the Commissioner of Taxation and Finance as fiscal agent of the Authority (PAL Section 1859(1)). It also includes monies to which the Authority does not have legal title, but for which it is responsible for directing investment such as monies held by the trustee for the State Service Contract Revenue (West Valley) Bonds.

The Authority conducts a Private Activity Bond Financing Program. Pursuant to this program, tax-exempt non-recourse securities are issued by the Authority, and the proceeds are made available to State utilities and other non-State entities to finance eligible projects. These securities do not constitute a debt of or charge against the credit of the Authority or the State. Rather, the utility or other entity for which the securities are issued is liable for payment of the principal, redemption premium, if any, and interest on the securities. The proceeds of each issuance are deposited with a trustee chosen by the participating utility or other entity and are not available for investment by the Authority. Generally, the Indenture of Trust for the transaction will contain a list of securities in which the Trustee may invest these monies. The list of permitted investments is approved by the Commissioner of Taxation and Finance as part of the Commissioner's review pursuant to the enabling legislation of the Authority. Investments are made at the direction of the participating utility or other entity and not at the direction of the Authority. Accordingly, the provisions of these Investment Guidelines do not apply to the investing of these monies. Nonetheless, when participating in the formulation of these financing transactions, staff are directed to pursue the objectives set forth in the Investment Guidelines and to require that prudent provisions as to permitted investments, collateral requirements and investment monitoring be included in the underlying documents, as appropriate.

II. Definitions

"Broker-Dealer" means any government bond trader approved by the Commissioner of Taxation and Finance reporting to, trading with, and recognized as a primary dealer by the Federal Reserve Bank of New York.

"Custodian" means the Commissioner of Taxation and Finance, or a bank, trust company or national banking association designated or approved to hold securities on behalf of or for the benefit of the Authority, as trustee or otherwise.

"Eligible Banking Institution" means any bank, trust company, or national banking association approved by the Commissioner of Taxation and Finance doing business through offices located within New York State. For the State of New York's Excelsior Linked Deposit Program only, Eligible Banking Institution shall also include savings and loan institutions.

"Federal Governmental Obligations" means obligations of the United States and obligations the principal and interest of which are unconditionally guaranteed by the United States.

"Repurchase Agreement" means a written contract whereby the Authority purchases securities, and the seller of the securities agrees to repurchase the securities at a future date for a specified price. Repurchase Agreements may be used to purchase only Federal Government Obligations. The Authority may enter into a Repurchase Agreement only with an Eligible Banking Institution or a Broker-Dealer.

"Money Market Fund" means shares of a diversified open-end management investment company, as defined in the Investment Company Act of 1940, registered under the Federal Securities Act of 1933, and operated in accordance with Rule 2a-7 of the Investment Company Act of 1940 as a "Government Money Market Fund" (investing at least 99.5 percent of its total assets in cash, Government Securities, and and/or Repurchase Agreements that are fully collateralized), provided that it is rated in the highest rating category by at least two nationally recognized rating organizations, and provided that it does not impose any liquidity fees or suspend redemptions as provided thereunder.

III. Investment Objectives

The investment objectives of the Authority, listed in order of importance, are as follows: to conform with all applicable Federal, State and other legal requirements; to safeguard adequately investment principal; to earn reasonable rates of return; and to provide for portfolio liquidity. These investment objectives will likely be achieved through substantial reliance on Federal Governmental Obligations and minimal investment in long-term securities.

IV. Delegation of Authority

The responsibility for implementing the investment program is delegated to the Authority's Chief Financial Officer. All investment transactions shall be approved and authorized by the Chief Financial Officer or, in his/her absence the Controller and Assistant Treasurer, or any Officer of the Authority. Such authorized investment transactions shall be initiated and executed by the Commissioner of Taxation and Finance (or his/her authorized designees), the Authority's fiscal agent established pursuant to Section 1859 of the Public Authorities Law. The Chief Financial Officer shall establish written procedures for the operation of the investment program consistent with these Investment Guidelines. Such procedures shall include an internal control structure to provide a reasonable level of accountability over the authorization, recording and reporting of investment transactions, and to provide for a segregation of duties between authorization and accounting functions.

Investments shall be made in accordance with the Authority's Investment Guidelines, Operative Policy and Instructions using the judgment and care, under circumstances then prevailing, which persons of prudence, discretion and intelligence exercise in the management of their own affairs, not for speculation, but for investment, considering the objectives set forth herein. All Authority staff participating in the investment process shall act responsibly as custodians of the public trust and shall avoid any transaction that might impair public confidence in the Authority's ability to effectively fulfill its responsibilities. All participants involved in the investment process shall refrain from personal business activity that could conflict with proper execution of the investment program, or which could impair their ability to make impartial investment decisions.

V. Types of Investments Authorized

The Authority may deposit monies in demand deposit (checking) and time deposit (savings) accounts with Eligible Banking Institutions located in New York State. Monies deposited in such accounts shall be fully secured as soon as practicable by Federal Deposit Insurance Corporation (FDIC) insurance or

obligations of New York State or Federal Government Obligations, subject to approval of the Commissioner of Taxation and Finance, the Authority's fiscal agent, in consultation with the Authority.

Investments shall be limited to the following types of securities:

- (1) Federal Governmental Obligations, provided that the term of each shall not exceed five (5) years;
- (2) obligations of New York State and obligations the principal and interest of which are guaranteed by New York State, provided that the term of each shall not exceed five (5) years;
- (3) certificates of deposit of Eligible Banking Institutions located in New York, provided that: the term of each shall not exceed five (5) years; pursuant to the limitations of a resolution adopted by the Members in June 1994, the Authority may invest in certificates of deposits through the State of New York's Excelsior Linked Deposit Program, whereby the Authority's deposit will earn a fixed rate of interest equal to 2% to 3% less than the institution's published certificate of deposit rate consistent with this program's criteria; and subject to all other provisions outlined in these Guidelines.
- (4) Repurchase Agreements, provided that the term of each shall not exceed sixty (60) days and that no more than 40 percent of the Authority's total investments shall be invested in Repurchase Agreements at the time of purchase; and
- (5) Money Market Funds, provided that no more than 20 percent of the total amount of the Authority's investments shall be invested in Money Market Funds for more than 15 consecutive days.

Nothing herein contained shall preclude the Authority from imposing further restrictions on the investing of funds in any Indenture of Trust relating to the issuance of bonds.

VI. Authorized Financial Institutions and Dealers

Eligible Banking Institutions and Broker-Dealers authorized for the Authority's investment purposes shall be approved based upon policies and procedures established by the Commissioner of Taxation and Finance. The Authority will periodically consult with the Department of Taxation and Finance concerning their policies, practices and the resulting list.

VII. Diversity of Investments

To the extent practical, the Authority shall diversify its investments by financial institution, by investment instrument, and by maturity. The cash flow requirements of the Authority will be a significant determining factor in selecting the term of investment securities. Competitive quotations, pursuant to policies established by the Commissioner of Taxation and Finance and executed by his/her designated staff, shall be used to select the institution from which investments are purchased.

Except as otherwise required by any policies and practices of the Commissioner of Taxation and Finance, the Authority shall not invest more than 35 percent of its total investment portfolio with a single Eligible Banking Institution.

VIII. Collateral and Delivery of Securities

Collateral for investments shall be limited to: (i) obligations of New York State and obligations the principal and interest of which are guaranteed by New York State; and (ii) Federal Governmental Obligations. The Authority shall not accept a pledge of a proportionate interest in a pool of collateral. Collateral shall be segregated in the name of the Authority, and shall be in the custody of the Authority or a

third party Custodian pursuant to a written custodial agreement; provided, that if the Custodian is the Commissioner of Taxation and Finance, a written custodial agreement shall not be required. The written custodial agreement shall specify circumstances, if any, under which collateral may be substituted, and shall provide that the Custodian holds the collateral solely for the benefit of the Authority and makes no claim thereto. The market value of collateral and accrued interest, if any, shall equal or exceed the value of the secured investment and accrued interest, if any, at all times. Collateral shall be marked to market at the time of the initial investment and, thereafter, no less frequently than monthly using the bid or closing price as quoted in The Wall Street Journal.

In addition to collateral permitted for investments, collateral for deposits made with banks participating in the State's Excelsior Linked Deposit Program shall, subject to the discretion of the Commissioner of Taxation and Finance with confirmation to the Authority, include obligations permitted under Section 105 of the State Finance Law.

Certificates of deposit, demand deposits and time deposits shall be fully collateralized for amounts in excess of Federal Deposit Insurance Corporation (FDIC) coverage.

Securities purchased through a Repurchase Agreement shall be marked to market at least monthly.

Collateral shall not be required with respect to the purchase of obligations of New York State, obligations the principal and interest of which are guaranteed by New York State, Federal Governmental Obligations, or money market funds.

Under any Repurchase Agreement, payment shall be made by or on behalf of the Authority to the seller upon the seller's delivery of obligations of the United States to the Custodian designated by the Authority, or, in the case of a book entry transaction, when the obligations of the United States are credited to the Custodian's Federal Reserve Bank account. Payment shall be made by or on behalf of the Authority for obligations of New York State, obligations the principal and interest of which are guaranteed by New York State, Federal Governmental Obligations, certificates of deposit, and other purchased securities upon the delivery thereof to the Custodian designated by the Authority, or, in the case of a book entry transaction, when the purchased securities are credited to the Custodian's Federal Reserve System account.

IX. Written Contracts

The Authority has determined that, with the exception of Repurchase Agreements, written contracts are not a regular business practice for the types of securities (obligations of New York State, Federal Governmental Obligations, etc.) in which Authority monies may be invested. The interests of the Authority will be adequately protected by conditioning payment by or on behalf of the Authority on the physical delivery of purchased securities to the Authority or its Custodian, or, in the case of book-entry transactions, on the crediting of purchased securities to the Custodian's Federal Reserve System account. In addition, all purchases will be confirmed in writing to the Authority.

Only an Eligible Banking Institution or a Broker-Dealer shall be qualified to enter into a Repurchase Agreement with the Authority's fiscal agent. The Authority's fiscal agent shall enter into a Master Repurchase Agreement, patterned after the Bond Market Association (formerly Public Security Association) model master repurchase agreement, with each Eligible Banking Institution or Broker-Dealer with which the fiscal agent enters into a specific Repurchase Agreement. The Master Repurchase Agreement shall include:

- (a) a description of the relationship of the parties as purchaser and seller;
- (b) a description of the events of default which would permit the purchaser to liquidate the pledged collateral;

(c) procedures which ensure that the Authority obtains a perfected security interest in the underlying securities; and

(d) the method of computing margin maintenance requirements, including a limitation, based on policies established by the Commissioner of Taxation and Finance, that securities purchased and held as collateral for repurchase agreements shall be Federal Government Obligations maturing in twelve years or less, and provided that: (i) if such collateral has a maturity of seven years or less, the market value must equal or exceed 101% of the par value of the repurchase agreement; and (ii.) if such collateral has a maturity greater than seven years, the market value must equal or exceed 102% of the par value of the repurchase agreement.

X. Qualification of Custodians

The following shall be qualified to act as Custodian: the Commissioner of Taxation and Finance, any bank or trust company chartered by the State of New York which is not a member of the Federal Reserve System, or any bank, trust company, or national banking association which is a member of the Federal Reserve System, including an Eligible Banking Institution, which transacts business through offices located within the State of New York. During the time that any bank or trust company serves as Custodian, it must be rated at least "A", or its equivalent, by a nationally recognized independent rating agency. With respect to the holding of securities purchased by the Authority through a Repurchase Agreement, the Custodian may not be the Eligible Banking Institution with which the Authority or its fiscal agent has entered into such Repurchase Agreement, nor an agent of such Eligible Banking Institution for purposes of the Repurchase Agreement.

XI. Audit and Finance Committee

The functions of the Audit and Finance Committee with respect to investments are to:

- (a) monitor the system of internal controls;
- (b) verify relevant matters relating to securities purchased or held as collateral semi-annually and on an unscheduled basis;
- (c) determine whether the investment results are consistent with the investment objectives set forth in these Investment Guidelines;
- (d) review any independent audits of the investment program;
- (e) review these Investment Guidelines periodically and recommend to the Members of the Authority such amendments thereto as may be necessary or appropriate; and
- (f) evaluate systematically and periodically the investment program consistency with the provisions of PAL Section 2925, these Investment Guidelines, and the Office of the State Comptroller's Investment Guidelines for Public Authorities (2 NYCRR Part 201, Section 201.3).

In support of its functions, the Audit and Finance Committee shall:

- (a) require the Authority's independent auditors to perform a review of, and issue a report on, the Authority's compliance with Section 201.3 of Title Two of the New York Codes, Rules, and Regulations, under Government Auditing Standards issued by the Comptroller General of the United States;

(b) review the quarterly, annual, and any other periodic investment reports, and recommend to the Members of the Authority such changes in the annual investment report as it deems necessary or appropriate;

(c) review the written annual audit report of the independent auditors;

(d) discuss with the independent auditors, with staff and officers not present, the results of the annual independent audit and the written annual audit report; and

(e) review not less frequently than annually these Investment Guidelines, and recommend to the Members of the Authority such changes in these Investment Guidelines as it deems necessary or appropriate.

XII. Operations and Procedures

The Chief Financial Officer, or in his/her absence the Controller and Assistant Treasurer or any Authority Officer, shall authorize the purchase and sale of all securities, authorize the disbursement of funds for delivery of securities, determine the selection of brokers, dealers and Custodians, and execute contracts for Repurchase Agreements and custodial services on behalf of the Authority. The process of initiating, reviewing and approving requests to purchase and sell securities shall be documented and retained for audit purposes. Oral directions concerning the purchase or sale of securities shall be confirmed in writing. The Authority shall pay for purchased securities upon the delivery or book-entry thereof, and the Authority will obtain written confirmation of each delivery or book-entry. Custodians must have prior authorization from the Authority to deliver securities and collateral and shall not deliver securities except upon receipt of funds. Custodians shall confirm in writing all such transactions. Custodians shall report whenever activity has occurred in a custodial account of the Authority.

The Chief Financial Officer shall develop detailed investment procedures implementing the Investment Guidelines as part of the Accounting Policy and Procedures Manual which shall include, but not be limited to, the following:

(a) the establishment and maintenance of a system of internal controls for investments;

(b) methods for adding, changing or deleting information contained in the investment record, including a description of the documents to be created and verification tests to be conducted;

(c) a data base or record incorporating descriptions and amounts of investments, transaction dates, interest rates, maturities, bond ratings, market prices and related information necessary to manage the portfolio; and

(d) requirements for periodic reporting and a satisfactory level of accountability.

Except in the purchase of government securities at their initial auction, the Authority will encourage investment selections utilizing competitive quotations based upon the procedures established by the Commissioner of Taxation and Finance and carried out by his/her designated personnel.

The Chief Financial Officer shall maintain a record of investments. The record shall identify each security, the fund for which held, the place where kept, date of disposition and amount realized, and the market value and Custodian of the collateral.

At least monthly, the Authority shall verify the principal amount and market values of all investments

and collateral. The Authority shall obtain appropriate listings from Custodians and compare such listings against the records of the Authority.

XIII. Audit

At the time the independent auditors to the Authority conduct the annual audit of the accounts and financial affairs of the Authority, the independent auditors shall audit the investments of the Authority for the subject fiscal year. The annual investment audit shall determine whether:

- (a) the Authority's investment practices and operations have been consistent with the provisions of PAL Section 2925, these Investment Guidelines, the Office of the Comptroller's Investment Guidelines for Public Authorities, and the Authority's investment operating procedures contained in its Accounting Policies and Procedures Manual;
- (b) adequate accounts and records are maintained which accurately reflect all transactions and report on the disposition of the Authority's investment assets; and
- (c) a system of adequate internal controls for investments is maintained.

The independent auditors shall prepare a written annual audit report which presents the results of their annual investment audit, and shall include:

- (a) a description of the scope and objectives of the audit;
- (b) a statement that the audit was made in accordance with generally accepted government auditing standards;
- (c) a description of any material weaknesses found in the internal investment controls;
- (d) a description of all non-compliance with provisions of PAL Section 2925, these Investment Guidelines, the Office of the State Comptroller's Investment Guidelines for Public Authorities (2 NYCRR Part 201, Section 201.3), or the Authority's investment operating procedures contained in its Accounting Policies and Procedures Manual;
- (e) a statement of positive assurance of compliance on the items tested; and
- (f) a statement of any other material deficiency or finding identified during the audit not covered in (e) above.

XIV. Reporting

Within sixty (60) days of the end of each of the first three quarters of the Authority's fiscal year, the Chief Financial Officer shall prepare and submit to the Members of the Authority and to the Audit and Finance Committee of the Authority a quarterly investment report which indicates new investments, the inventory of existing investments, the selection of Custodians and Broker-Dealers, and such other matters as the Chief Financial Officer deems appropriate.

Within 120 days of the end of the fiscal year, the Chief Financial Officer shall prepare and submit to the Audit and Finance Committee an annual investment report, which shall include the Investment Guidelines, including any amendment to the Investment Guidelines since the last annual investment report; an explanation of the Investment Guidelines and amendments; the results of the annual independent audit; the investment income record; a list of total fees, commissions or other charges paid to each Broker-Dealer

and Custodian; and such other matters as the Chief Financial Officer deems appropriate.

The Members of the Authority shall review and approve the annual investment report, if practicable, at the June meeting of the Authority, for submission thereof to the Division of the Budget, the Department of Audit and Control, the Senate Finance Committee, and the Assembly Ways and Means Committee.

The Authority's annual financial statements shall report the Authority's investments and provide such disclosure information as is required by applicable governmental accounting standards.

Not less frequently than annually, and if practicable, at the June meeting of the Authority, the Members of the Authority shall review, amend, if necessary or appropriate, and approve these Investment Guidelines.

The provisions of these Investment Guidelines and any amendments hereto shall take effect prospectively and shall not invalidate the prior selection of any Custodian, Broker-Dealer, any prior investment, nor any list of permitted investments set forth in any indenture of trust or similar document previously executed by the Authority.

Resolution No. _____

RESOLVED, that the “Investment Guidelines, Operative Policy and Instructions (June 2022),” as presented at this June 28, 2022 meeting are hereby approved by the Board, with such non-substantive, editorial changes and grammatical changes as the President and Chief Executive Officer, in their discretion, may deem necessary or appropriate; and

BE IT FURTHER RESOLVED, that the Authority's “2021-2022 Annual Investment Report,” for the year ended March 31, 2022, as presented at this June 28, 2022 meeting, is hereby approved by the Board to be adopted as the annual investment report of the Authority required by Section 2800 and Section 2925(6) of the Public Authorities Law.

NYSERDA OPEB (GASB74) Trust
Investment Report
As of March 31, 2022

	Market Value		Market Value	
	3/31/2022	Change	3/31/2021	
Contributions to date	\$50,949,786	\$2,147,791	\$48,801,995	
Benefit payments (retiree health insurance)	(\$13,354,796)	(\$1,869,485)	(\$11,485,311)	
Administrative expenses	(\$354,691)	(\$31,135)	(\$323,556)	
Net contributions	\$37,240,299	\$247,171	\$36,993,128	
Investment Income (realized gains)	\$32,551,551	\$9,504,572	\$23,046,979	
Investments at costs	\$69,791,850	\$9,751,743	\$60,040,107	
Unrealized gains/(losses)	-\$338,108	(\$9,979,431)	\$9,641,323	
Market value of Investments	<u>\$69,453,742</u>	<u>(\$227,688)</u>	<u>\$69,681,430</u>	

Asset Category	Market Value		Market Value	
	3/31/2022	% of total	3/31/2021	% of total
Cash/money market	\$240,655	0.3%	\$426,715	0.6%
Real Estate	\$729,534	1.1%	\$706,873	1.0%
Foreign/Emerging	\$20,835,754	30.0%	\$20,871,781	30.0%
Equities	\$10,059,062	14.5%	\$16,042,985	23.0%
Fixed income (bonds)	<u>\$37,588,737</u>	<u>54.1%</u>	<u>\$31,633,076</u>	<u>45.4%</u>
Total	<u>\$69,453,742</u>	<u>100.0%</u>	<u>\$69,681,430</u>	<u>100.0%</u>

Investment Yield	3/31/2022	3/31/2021
Annualized	-0.7%	30.0%
Cumulative to Date	86.5%	88.4%
Average annual yield *	7.2%	8.0%

Investment Detail

Asset Class	Investment		Market		
	Policy Target	Current Holding	Cost	Value	% of Total
Cash	0%-6%	Cash Balance	\$0	\$0	0.0%
Cash	0%-6%	Dreyfus Instit Reserves Treasury Prime Fund	\$240,655	\$240,655	0.3%
Short Term Bonds	1%-6%	Vanguard Short-Term Federal Adm	\$3,557,532	\$3,500,036	5.0%
Intermediate Term Bond	9%-19%	American Funds Mortgage R6	\$13,523,651	\$13,191,561	19.0%
Inflation-Protected Securities	5%-15%	MassMutual Premier Inflation Protected and Income Fund	\$7,684,985	\$7,752,947	11.2%
Long-Term Bond	1%-11%	Vanguard Long-Term Treasury Adm	\$586,416	\$536,724	0.8%
High Yield Bond	7%-17%	iShares ESG Advanced Hi Yld Corp Bd ETF	\$12,353,895	\$11,920,282	17.2%
Large Blend	5%-26%	Change Finance US LgCp FossilFuel Fr ETF	\$7,653,300	\$7,221,766	10.4%
Mid-Cap Blend	1%-11%	Madison Mid Cap Fund	\$662,124	\$724,456	1.0%
Small Blend	3%-16%	Touchstone Small Company R6	\$2,236,463	\$2,112,840	3.0%
Foreign Large Cap	10%-20%	BlackRock International Dividend K	\$8,667,809	\$8,410,967	12.1%
Diversified Emerging Mkts	10%-20%	Calvert Emerging Markets Equity Fund	\$11,283,524	\$12,424,787	17.9%
Global Real Estate	1%-6%	MFS Global Real Estate Fund	\$616,235	\$729,534	1.1%
Global Bond	1%-6%	Janus Henderson Developed World Bond D	<u>\$725,261</u>	<u>\$687,188</u>	<u>1.0%</u>
			<u>\$69,791,850</u>	<u>\$69,453,742</u>	<u>100.0%</u>

* The targeted long-term expected rate of return of the NYSEDA OPEB TRUST is estimated to be 6.00% per year.

INVESTMENT POLICY STATEMENT

NYSERDA OPEB TRUST
(RETIREE HEALTH INSURANCE BENEFITS)

June 2022

I. DEFINITIONS

Authorized Agent: One or more individuals designated by resolution of the NYSERDA Board to serve as authorized agent(s) to the Plan Administrator as provided in the Trust Agreement.

Benefits: NYSERDA's obligation to provide post-employment health insurance benefits and to pay a portion of the cost of such benefits for retirees and their eligible dependents under the New York State Health Insurance Program (NYSHIP).

Fund: A fund such as a mutual fund or exchange traded fund in which Trust assets are invested.

Investment Consultant: Milliman, Inc., or such other individual or organization as may be approved by the NYSERDA Board.

Investment Horizon: The time period over which the investment objectives, as set forth in this statement, are expected to be met.

Investment Return: The investment income and realized and unrealized gains and losses, all net of investment expense and fees.

NYSERDA: New York State Energy Research and Development Authority and its successors.

NYSERDA Board: The governing board of New York State Energy, Research and Development Authority (NYSERDA).

Plan: The arrangement for Benefits adopted and maintained by NYSERDA, as amended from time to time.

Plan Administrator: Any Officer of NYSERDA.

Plan Sponsor: NYSERDA

Trust: The trust account established to safeguard the assets of the Plan, as amended from time to time.

Trust Agreement: The agreement between NYSERDA and the Trustee establishing the Trust and providing for its administration.

Trustee: The financial institution appointed by the NYSERDA Board to serve as Trustee, and any successors or assigns.

II. PURPOSE & BACKGROUND

The Plan is a Post-Employment Benefits Plan sponsored by NYSERDA, a not-for-profit organization with a place of business in New York State. The Plan's investment program is defined in the following sections of this Investment Policy Statement (IPS).

The purpose of this IPS is to assist the Plan Administrators and Investment Consultant in effectively supervising, monitoring, and evaluating the investment of the Plan's assets. Additionally, the IPS will function to:

1. State in a written document the Plan Administrator's attitudes, expectations, objectives, and guidelines for the investment of Plan assets which the Plan Administrator judges to be appropriate and prudent, in consideration of the needs of the Plan.
2. Define and assign the responsibilities of oversight of the Plan's assets.

3. Set forth an investment structure for managing Plan assets. This structure will help to define asset class, Fund styles, asset allocation and acceptable ranges that, combined, will help to generate the risk/return profile needed to meet the objectives of this policy.
4. Encourage effective communication between the Plan Administrator and the Investment Consultant, as well as any other interested parties.
5. Establish formalized performance criteria that any Fund selected is expected to meet and against which they are to be measured on a regular basis.
6. Serve as a review document to guide the Plan Administrators and the Investment Consultant's ongoing oversight of the investment options of the Plan's assets.
7. Manage plan assets according to prudent standards as established in common trust law and ERISA fiduciary requirements.
8. Establish the relevant investment time horizon of the Plan, risk tolerances of the Plan Administrators and performance expectations of the Plan assets.

III. STATEMENT OF OBJECTIVES

The assets of the Plan are invested under the supervision of the Plan Administrator.

After reviewing expected short-term and long-term cash flow requirements of the plan, as well as considering the investment time horizon and risk tolerance level believed to be appropriate for the invested assets, the following set of objectives has been established:

1. Preservation of capital.
2. Pay all benefit and expense obligations when due.
3. Achieve a funding cushion to reduce the impact of possible future downturns in the plan's funded status.
4. Achieve or exceed actuarial earnings assumptions.
5. Maximize the return on assets earned through the acceptance of prudent and reasonable levels of risk.
6. Control risk through reasonable and rational diversification of the assets into various asset classes.
7. Establish policies based on total return and expected projected payouts rather than current income.
8. Contain costs of administering and managing the portfolio.

IV. CONTROL PROCEDURES

Disclosure

Any member of the Plan Administrators, Trustee or Investment Consultant must make full disclosure of any potential conflicts of interest annually (or more frequently, as conditions warrant), including any financial gain that may be received as a result of investment decisions made by those entities. This disclosure should be made before the investment of the plan assets governed by this Investment Policy Statement. Disclosure should be in written form and presented to the other members of the Plan Administrators.

Delegation of Authority

The NYSERDA Board shall be responsible for approving any changes to this Investment Policy Statement, and shall be responsible for reviewing the implementation of the Investment Policy Statement not less frequently than annually. The NYSERDA Board hereby delegates certain responsibilities in this Investment Policy Statement to professional experts in certain fields, who shall act in a fiduciary capacity.

These responsibilities include, but are not limited to:

Plan Administrator: The Plan Administrator is responsible for the investment of the plan assets, and selecting Funds. The Plan Administrator will have discretion to purchase, sell or hold the investment options that will be used to meet the Plan's investment objectives, consistent with the recommendations and advice of the Investment Consultant. An Authorized Agent will provide written instructions to the Trustee for the purchase or sale of Trust investments, consistent with investment decisions made by the Plan Administrator. An Authorized Agent shall also provide written approval to make payments of Benefits from the Trust.

Investment Consultant: The Investment Consultant will be responsible for: providing recommendations to the Plan Administrator for the selection of Funds, consistent with the Investment Policy Statement objectives and guidelines; reviewing the performance of such Funds over time; periodically reviewing and providing recommendations to the Plan Administrator for revisions to the Investment Policy Statement; and other tasks as deemed appropriate by the Plan Administrator.

Trustee: The Trustee will perform monthly accounting of all assets owned, purchased or sold, as well as movement of assets into and out of the Plan account. The Trustee will maintain possession of securities owned by the Plan, collect dividend and interest payments, redeem maturing securities, and effect receipt and delivery following purchases and sales. The Trustee will also be responsible for the payments to such persons and for such purposes in order to provide benefits to plan participants and the remittance of any tax related payments to the applicable State and Federal bodies.

Responsibilities

Plan Administrator

The Plan Administrator is charged with the responsibility for the management of the assets of the Plan. The Plan Administrator shall discharge its duties solely in the interest of the Plan, with the care, skill, prudence and diligence that a prudent person, acting in a like capacity and familiar with such matters should use in the circumstances then prevailing.

The specific responsibilities of the Plan Administrator relating to the investment management of the fund include:

1. Provide oversight on the actions of the Investment Consultant, including, but not limited to approving or disapproving actions of the Investment Consultant.
2. Prudently and diligently selecting qualified investment professionals, including Funds and the Investment Consultant.
3. Developing and enacting proper control procedures: For example, replacing Fund(s) due to fundamental change in investment management process, or failure to comply with established guidelines.
4. Exercising investment discretion (including holding cash equivalents as an alternative) within the IPS objective and guidelines set forth herein.

Investment Consultant

The Investment Consultant's role is that of a non-discretionary advisor to the Plan Administrator. Investment advice concerning the investment management of the fund assets will be offered by the Investment Consultant and will be consistent with the investment objectives, policies, guidelines and constraints as established in this statement.

The Investment Consultant shall act as an advisor to the Plan Administrator with regard to the definition of asset classes, asset allocation ranges, acceptable investments and monitoring of the performance of the Trust. Specific responsibilities include:

1. Communicating financial needs of the fund to the Funds in a timely manner.
2. Determining the fund's risk tolerance and investment horizon, and communicating these to the appropriate parties.
3. Defining acceptable asset classes and allocation ranges for the investment of Plan assets.
4. Assisting the Plan Administrator in the development of the investment policy statement and reviewing Funds implementation.
5. Provide for the regular evaluation of the performance of the Funds to assure adherence to policy guidelines and monitoring investment objective progress.
6. Conducting Funds searches when requested by the Plan Administrator.
7. Selecting Funds candidates for approval of the Plan Administrator.
8. Providing "due diligence" or research on Funds.
9. Monitoring the performance of the Fund(s) to provide the Plan Administrator with the ability to determine the progress toward the investment objectives.
10. Communicating matters of policy, manager research, and manager performance to the Plan Administrator.

11. Reviewing the Fund's investment history, historical capital markets performance and the contents of this investment policy statement to any newly appointed members of the Plan Administrator.
12. Providing the Plan Administrator a report of their decisions and actions at least annually.

V. INVESTMENT GUIDELINES

Investment Horizon: The investment guidelines are based on the expectation that the investment horizon will be many years in length. Short-term variability in returns should be expected.

Because of this, the Plan's strategic asset allocation is established with long-term perspective in mind.

The Plan is required to pay post-retirement medical premiums as they come due. Therefore, sufficient liquid reserves must be available to satisfy this obligation.

Risk Tolerances: It is understood by the Plan Administrator that achieving the Plan's investment objectives is not guaranteed and there will be time periods for which these objectives will not be met. The Plan Administrator also recognizes that some risk must be assumed to achieve the Plan's long-term investment objectives and accepts the inevitable fluctuations in returns that will occur. While it is understood that a certain level of risk is expected in the Plan's portfolio, the ability to withstand short and intermediate term variability was specifically considered in the development of the IPS risk tolerances. Factors considered were:

1. NYSERDA is in an industry that should experience milder fluctuations than the general economy.
2. NYSERDA's intent to fund the annual contribution each year should provide ample liquidity.
3. Future projected benefit payments and expenses of the Plan.

As a result of the above-named considerations, the Plan Administrators believes that the Plan can tolerate some interim variability in market value and rates of return in order to achieve its long-term objectives.

Liquidity Policy: The trust will be required to provide periodic distributions in the form of retirement benefit payments to participants. The actuary provides annual assessments of the funding requirements and payments necessary to meet the plans benefit obligations.

Rebalancing: The percentage allocation to each asset class may vary based on the table within the Overall Asset Allocation Policy section on the following page of this IPS, depending on market conditions. When necessary and/or available, cash inflows/outflows will be deployed in a manner consistent with the strategic asset allocation of the Plan as stated in this Policy. If the Plan Administrator judges cash flows to be insufficient to bring the Plan within the strategic allocation ranges, the Plan Administrator shall decide whether to effect transactions to bring the strategic allocation within the threshold ranges (strategic allocation). The Plan Administrator retains the right to rebalance the portfolio at its discretion.

Social Responsibility: The Plan Administrator will put the economic interests of the Plan first when considering alternative investment options and, in consultation with the Investment Consultant, shall consider Funds which minimize investments in the fossil-fuel industry, provided that they generally meet performance and risk criteria where available and are appropriate alternative Fund investments.

Overall Asset Allocation Policy

Based on the Plan's time horizon, risk tolerances, liquidity needs, and asset class preferences and constraints, an efficient or optimal portfolio was identified.

This allocation shall be reviewed at least annually and modified as necessary to meet the needs of the Plan Administrators. The strategic asset allocation of the Plan is as follows:

Asset Class	Range	Target
Cash	0% - 6%	1%
Short Term Bonds	1% - 6%	1%
Intermediate Term Bond	9% - 19%	14%
Inflation Protected Securities	5%-15%	10%
Long Term Bond	1% - 11%	6%
High Yield Bonds	7- 17%	12%
Large Cap	5%-26%	15%
Mid Cap	1%-11%	1%
Small Cap	3%-16%	6%
Foreign Developed Equity	10% - 20%	15%
Emerging Markets Equity	10% - 20%	15%
Global Real Estate	1% - 6%	1%
Non-US bonds	1% - 6%	1%

The above ranges will be considered the long-term or policy allocation. The current "Policy" is the target for such respective Asset Class of investment. Any deviations beyond the "Range" must have prior approval by the Plan Administrator, unless caused by market actions. Any deviations will be cured within 90 days of discovery.

The Plan will diversify its investment portfolio to avoid incurring unreasonable risks.

The only allowable investments of the Plan will be in cash and equivalents and Funds:

Cash Policy

Cash equivalents will be invested in an appropriate cash-like fund. Returns should be equal to or better than the 90-day Treasury Bill Index (3-month).

Money market mutual funds may be used, so long as these funds meet the high standards suitable for funds of this nature.

Fixed Income Policy

Investment Objectives

These assets are to be invested in a Fund of high-grade index or active fixed income portfolio subject to the limitations set forth below. The investment objectives of the fixed income portion in order of importance are:

1. Preservation of capital.

2. Provide for regular dividend and or interest payments.
3. Maintenance of liquidity to provide for recurring benefit payments.
4. Stability of Returns – Obtain fairly consistent annual returns.

Investment Guidelines

Generally, the Fixed Income portion of the Trust shall be comprised of high-grade, intermediate-term, fixed income Funds. While high levels of risk are to be avoided, as evidenced by Funds with high volatility and low quality rated securities, the assumption of a moderate and reasonable risk may be warranted and encouraged in order to achieve satisfactory long-term results consistent with the objectives of the Plan. The following restrictions apply to the fixed income holdings of the Plan:

1. No more than 20 percent of the market value of any fixed income Fund shall be rated less than single A quality.
2. The exposure of any fixed income Fund to any one issuer, other than securities of the U.S. government or agencies, shall not exceed 10 percent of the market value of the fixed income fund.
3. No more than 25 percent of any fixed income Fund shall be invested in one industry category, other than securities of the U.S. government.

Equity Policy

Investment Objectives

Equity assets are to be invested in Funds. Within this framework, the investment objectives of the equity portion are

1. Long Term Growth of Capital – Assets, exclusive of contributions and withdrawals, should grow in the long run and earn returns equal to the market while risk should be less than the market.
2. Follow a predefined market style (e.g. large cap vs. small cap) strategy.

Investment Guidelines

The Plan's equity assets will be managed in accordance with the following:

1. All Funds selected for the equity portion must have a readily ascertainable market value and must be readily marketable.
2. Fund investments must be U.S. dollar denominated.
3. Not more than 25 percent of the market value of any Fund should be invested in any one industry as defined by Standard and Poors.
4. A Fund's investment in any single company should not exceed 10 percent of the Plan's assets.
5. Funds selected will be diversified and generally conform to the above-mentioned industry and company guidelines.

VI. SELECTION OF FUNDS

The Plan Administrator, with the assistance of the Investment Consultant, will select Funds meeting the following minimum criteria:

1. Is a bank, insurance company, investment management company, or investment advisor as defined by the Registered Investment Advisers Act of 1940.
2. Provide at a minimum, historical quarterly performance numbers calculated on a time-weighted basis, based on a composite of all the fully discretionary accounts of similar investment style, and reported net and gross of fees.
3. Provide performance evaluation reports prepared by an objective third party that illustrate the risk/return profile of the Funds relative to other managers of like investment style.
4. Provide detailed information on the history of the firm, key personnel, key clients, fee schedule, and support personnel. This information can be supplied by a third party vendor comparable to Lipper or Morningstar.
5. Clearly articulate the investment strategy that will be followed and document that the strategy has been successfully adhered to over time.
6. Ranked within the top 50 percent of their respective styles on the Investment Consultant's internal ranking program, as well as rankings using widely used third-party sources (such as Morningstar).
7. Some of the measures that may be included in the statistical analysis of a Fund would be:
 - a. *Performance* – historical annualized average return for 1 year, 3year, and 5year periods
 - b. *Return Rank* – the ranking of the Fund's performance relative to other funds in its asset category
 - c. *Alpha* – a measure of fund performance compared to its expected return
 - d. *Beta* – the general level of influence a fund's market has over its performance
 - e. *Standard Deviation* – a measure of a fund's variation of returns over time
 - f. *Sharpe Ratio* – a measure of a fund's risk-adjusted return compared to its risk
 - g. *Duration* – a measure of sensitivity to interest rate fluctuations over time
 - h. *Carbon Metrics* – a measure of the Fund's exposure to carbon risk, including the percentage of Fund investments invested in fossil fuels, as may be reported by a third party source (Morningstar, fossilfreefunds.org)

VII. INVESTMENT EVALUATION

Not more than 90 days after the end of each calendar quarter, the Investment Consultant shall report investment positions and performance results to the NYSERDA Board and the Plan Administrator, based on performance reported by each Funds, to monitor and evaluate progress toward the attainment of longer-term targets.

The target rate of return for the Plan has been based on the assumption that future real returns will approximate the long-term rates of return experienced for each asset class in the IPS. The real rate of return is the return in excess of the anticipated rate of inflation as measured by the Consumer Price Index (CPI).

Total Plan Portfolio: Over a complete business cycle, the Plan's overall annualized total return (net of expenses) should perform at or above the weighted average of a customized index comprised of market

indexes weighted by the strategic asset allocation of the Plan. This customized index is composed of the following benchmarks and weights:

Index	Target
Bank of America ML 91-dya TBill Auction Avg	1%
BBgBarc US 1-5 Yr Gov/Credit Fl Adj TR	3%
BBgBarc US Govt/Credit 5-10 Yr TR	14%
BBgBarc US Treasury US TIPS TR	10%
BB Long Government/Credit	6%
BB High Yield Corporate Bond	12%
CRSP US Large Cap TR	15%
CRSP US Mid Cap TR	1%
CRSP US Small Cap TR	6%
FTSE Developed Ex US	15%
FTSE EM AC China A Incl (US RIC)	15%
FTSE EPRA/NAREITGlobal NR	1%
BBgBarc Global Agg Float Adj TR	1%

Individual Funds: During its periodic meetings but not less than annually, the Plan Administrator, with consultation from the Investment Consultant, will review the following specifics with regard to each Fund:

1. The Fund's adherence to their prospectus.
2. Material changes in the Fund's organization, investment philosophy, and/or personnel.
3. Performance compared against an appropriate peer group and benchmark, as listed in the Executive Summary of this IPS, over various time periods.

The Plan Administrator expects the following criteria to be met by each Fund. If a manager fails to meet these, a further review of the manager will be warranted. The Plan Administrator reserves the right to replace an Funds at their discretion at any time.

1. The Plan Administrator with recommendation from the Investment Consultant may consider replacing an actively managed Fund if the Return Rank versus its peer group remains in the bottom 50 percent for four consecutive quarters versus its peer group and if statistical analysis concludes that the Fund's level of return does not provide an acceptable ratio as compared to its general level of risk.
2. The Fund's risk over 3 and 5 years, as measured by the Relative Standard Deviation, should be equal to or less than 1 when compared to the Fund's appropriate benchmark. If the Relative Standard Deviation is greater than 1, an increase in performance is expected.
3. The Fund's Sharpe ratio over 3 and 5 years should be ranked above the peer group median.
4. The Fund's Alpha should be positive over a 3 and 5 year period and should be ranked above the peer group median.
5. For passive-index investments, a Beta between 0.95 and 1.05 and a Tracking Error from 0 to 1 when compared to the index the Fund is designed to follow. Each statistic should be measured over 3 and 5 year time periods.

6. The Plan Administrator may consider a Fund for replacement when the Funds or policy of the Fund is changed. In addition, if there are any substantial transactions with regard to the Fund management company or holding, or other types of instabilities in the Fund company, replacement will be considered.
7. The Plan Administrator may also consider replacing a Fund if its relative performance over a complete market cycle trails its benchmark.

Resolution No. _____

RESOLVED, that the “NYSERDA OPEB Trust Investment Report” for the year ended March 31, 2022, as presented at this June 28, 2022 meeting is hereby approved by the Board as the annual investment report of the NYSERDA OPEB Trust required by Section 2800 and Section 2925(6) of the Public Authorities Law; and

BE IT FURTHER RESOLVED, that the “Policy Statement for the NYSERDA OPEB Trust (Retiree Health Insurance Benefits Trust)” as presented at this June 28, 2022 meeting, is hereby approved by the Board.

Resolution No. ____

RESOLVED, the Board authorizes the President and CEO to retain the firm of KPMG, LLP as independent auditors for the Authority and for NY Green Bank for the fiscal year ending March 31, 2023.

NEW YORK STATE ENERGY RESEARCH
AND DEVELOPMENT AUTHORITY

ANNUAL BOND SALES REPORT

Fiscal Year Ended March 31, 2022

TABLE OF CONTENTS

List of issuances, conversions, and refundings.

List of outstanding bonds as of March 31, 2022 (see separate attachment)

NYSERDA
 BOND SALES REPORT
 Fiscal year ended March 31, 2022
 List of Issuances, Conversions, and Refundings

ISSUANCES

Company/Series	Date Issued	Date of Maturity	Amount Issued (\$000s)	Savings (\$000s)	Initial Interest Rate Mode	Initial Interest Rate	M/WBE Participation
None							

CONVERSIONS

Company/Series	Date Issued	Date of Maturity	Amount Issued (\$000s)	Savings (\$000s)	Initial Interest Rate Mode	Initial Interest Rate	M/WBE Participation
None							

REFUNDINGS

Company/Series	Date Issued	Date of Maturity	Amount Issued (\$000s)	Savings (\$000s)	Initial Interest Rate Mode	Initial Interest Rate	M/WBE Participation
None							

NEW YORK STATE ENERGY RESEARCH AND DEVELOPMENT AUTHORITY
BONDS OUTSTANDING AS OF MARCH 31, 2022

Company	Project description	Series	CUSIP	Date Closer	Date Issued	Maturity	Amount	
							Issued (000's)	Outstanding (000's)
Central Hudson Gas & Electric Co.	Pollution Control Refunding Revenue Bonds	1999 B	649845 EW 0	8/3/1999	7/27/1999	7/1/2034	\$33,700	\$33,700
Central Hudson Gas & Electric Co. Total							\$33,700	\$33,700
Consolidated Edison Company	Facilities Revenue Bonds	2004C-1	64984E DF9	11/12/2004	11/5/2004	11/1/2039	\$33,000	\$33,000
Consolidated Edison Company	Facilities Revenue Bonds	2004C-2	64984E DE2	11/12/2004	11/5/2004	11/1/2039	\$33,000	\$33,000
Consolidated Edison Company	Facilities Revenue Bonds	2004C-3	64984E DD4	11/12/2004	11/5/2004	11/1/2039	\$33,000	\$33,000
Consolidated Edison Company	Facilities Revenue Bonds	2005A-1	649848E DJ1	5/26/2005	5/26/2005	5/1/2039	\$42,100	\$42,100
Consolidated Edison Company	Facilities Revenue Bonds	2005A-2	649848E DG7	5/26/2005	5/26/2005	5/1/2039	\$42,100	\$42,100
Consolidated Edison Company	Facilities Revenue Bonds	2005A-3	649848E DH5	5/26/2005	5/26/2005	5/1/2039	\$42,100	\$42,100
Consolidated Edison Company	Facilities Revenue Bonds	2010A	64984E DN2	11/16/2010	11/9/2010	6/1/2036	\$224,600	\$224,600
Consolidated Edison Company Total							\$449,900	\$449,900
KeySpan Generation LLC	Electric Facilities Revenue Bonds	1997A	649841 CR 2	12/30/1997	12/30/1997	12/1/2027	\$24,880	\$24,880
KeySpan Generation LLC	Pollution Control Refunding Rev Bonds	1999A	649845 FAT	10/27/1999	10/20/1999	10/1/2028	\$41,125	\$41,125
KeySpan Generation LLC Total							\$66,005	\$66,005
Niagara Mohawk Power Corporation	Pollution Control Revenue Bonds	1985B	649845 FT6	12/26/1985	12/26/1985	12/1/2025	\$37,500	\$37,500
Niagara Mohawk Power Corporation	Pollution Control Revenue Bonds	1985C	649845 FU3	12/26/1985	12/26/1985	12/1/2025	\$37,500	\$37,500
Niagara Mohawk Power Corporation	Pollution Control Revenue Bonds	1986A	649845 FS8	12/18/1986	12/18/1986	12/1/2026	\$50,000	\$50,000
Niagara Mohawk Power Corporation	Pollution Control Revenue Bonds	1987A	649845 FV1	3/26/1987	3/26/1987	3/1/2027	\$25,760	\$25,760
Niagara Mohawk Power Corporation	Pollution Control Revenue Bonds	1987B-1	649845 FK5	7/16/1987	7/16/1987	7/1/2027	\$68,200	\$68,200
Niagara Mohawk Power Corporation	Pollution Control Revenue Bonds	1987B-2	649845 FM1	7/16/1987	7/16/1987	7/1/2027	\$25,000	\$25,000
Niagara Mohawk Power Corporation	Pollution Control Revenue Bonds	1988A	649845 FE9	12/22/1988	12/22/1988	12/1/2023	\$69,800	\$69,800
Niagara Mohawk Power Corporation	Pollution Control Revenue Bonds	2004A	649845 GA6	5/27/2004	5/19/2004	7/1/2029	\$115,705	\$115,705
Niagara Mohawk Power Corporation Total							\$429,465	\$429,465
NYS Electric & Gas Corporation	Fixed Rate Pollution Control Refunding Revenue Bonds	1994B	649845 HA5	2/23/1994	2/23/1994	2/1/2029	\$37,500	\$37,500
NYS Electric & Gas Corporation	Fixed Rate Pollution Control Refunding Revenue Bonds	1994C	649845 GZ1	6/15/1994	6/15/1994	6/1/2029	\$63,500	\$63,500
NYS Electric & Gas Corporation	Adj./Fixed Rate Pollution Control Refunding Revenue Bonds	1994 D	649845 HD9	10/25/1994	10/25/1994	10/1/2029	\$74,000	\$74,000
NYS Electric & Gas Corporation	Fixed Rate Pollution Control Refunding Revenue Bonds	2004A	649845 HB3	8/26/2004	8/26/2004	12/1/2027	\$34,000	\$34,000
NYS Electric & Gas Corporation	Pollution Control Revenue Bonds	2004C	649845 HH0	8/26/2004	8/26/2004	4/1/2034	\$100,000	\$100,000
NYS Electric & Gas Corporation	Fixed Rate Pollution Control Refunding Revenue Bonds	2005 A	649845 HC1	5/27/2005	5/18/2005	7/1/2026	\$65,000	\$65,000
NYS Electric & Gas Corporation Total							\$374,000	\$374,000
Rochester Gas & Electric Company	Pollution Control Revenue Bonds	1997A	649845 HE7	8/19/1997	8/1/1997	8/1/2032	\$34,000	\$34,000
Rochester Gas & Electric Company	Pollution Control Revenue Bonds	1997B	649845 HF4	8/19/1997	8/1/1997	8/1/2032	\$34,000	\$34,000
Rochester Gas & Electric Company	Pollution Control Revenue Bonds	1997C	649845 HK3	8/19/1997	8/1/1997	8/1/2032	\$23,900	\$23,900
Rochester Gas & Electric Company	Pollution Control Revenue Bonds	2004A	649845 HG2	8/26/2004	8/26/2004	5/15/2032	\$10,500	\$10,500
Rochester Gas & Electric Company	Pollution Control Revenue Bonds	2004B	649845 HJ6	8/26/2004	8/26/2004	5/15/2032	\$50,000	\$50,000
Rochester Gas & Electric Company Total							\$152,400	\$152,400
Subtotal - Conduit Utility Bonds							\$1,505,470	\$1,505,470
Green - Jobs Green New York Program Financing:								
Residential Energy Efficiency Financing Revenue Bonds, Series 2013A								
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2013A	64985LAA6	8/1/2013	8/1/2013	7/1/2014	\$2,195	\$0
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2013A	64985LAB4	8/1/2013	8/1/2013	7/1/2015	\$2,080	\$0
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2013A	64985LAC2	8/1/2013	8/1/2013	7/1/2016	\$2,105	\$0
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2013A	64985LAD0	8/1/2013	8/1/2013	7/1/2017	\$1,930	\$0
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2013A	64985LAE8	8/1/2013	8/1/2013	7/1/2018	\$1,775	\$0
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2013A	64985LAF5	8/1/2013	8/1/2013	7/1/2019	\$1,755	\$0
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2013A	6498LAG3	8/1/2013	8/1/2013	7/1/2020	\$1,800	\$0
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2013A	64985LAH1	8/1/2013	8/1/2013	7/1/2021	\$1,780	\$0
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2013A	64985LAJ7	8/1/2013	8/1/2013	7/1/2022	\$1,590	\$1,590
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2013A	64985LAK4	8/1/2013	8/1/2013	7/1/2023	\$1,445	\$1,445
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2013A	64985LAL2	8/1/2013	8/1/2013	7/1/2024	\$1,385	\$1,385
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2013A	64985LAL2	8/1/2013	8/1/2013	7/1/2025	\$1,350	\$1,350
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2013A	64985LAL2	8/1/2013	8/1/2013	7/1/2026	\$1,375	\$1,375
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2013A	64985LAL2	8/1/2013	8/1/2013	7/1/2027	\$1,075	\$1,075
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2013A	64985LAL2	8/1/2013	8/1/2013	7/1/2028	\$660	\$660
NYS Energy Res. & Development Auth. Total							\$24,300	\$8,880
Residential Energy Efficiency Financing Revenue Bonds, Series 2015A								
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2015A	not applicable	8/6/2015	8/20/2015	7/1/2016	\$2,420	\$0
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2015A	not applicable	8/6/2015	8/20/2015	7/1/2017	\$3,385	\$0
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2015A	not applicable	8/6/2015	8/20/2015	7/1/2018	\$3,408	\$0
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2015A	not applicable	8/6/2015	8/20/2015	7/1/2019	\$3,410	\$0
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2015A	not applicable	8/6/2015	8/20/2015	7/1/2020	\$3,305	\$0
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2015A	not applicable	8/6/2015	8/20/2015	7/1/2021	\$3,120	\$0
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2015A	not applicable	8/6/2015	8/20/2015	7/1/2022	\$3,100	\$3,100
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2015A	not applicable	8/6/2015	8/20/2015	7/1/2023	\$3,160	\$3,160
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2015A	not applicable	8/6/2015	8/20/2015	7/1/2024	\$3,200	\$3,200
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2015A	not applicable	8/6/2015	8/20/2015	7/1/2025	\$3,200	\$3,200
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2015A	not applicable	8/6/2015	8/20/2015	7/1/2026	\$3,155	\$3,155
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2015A	not applicable	8/6/2015	8/20/2015	7/1/2027	\$3,180	\$3,180
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2015A	not applicable	8/6/2015	8/20/2015	7/1/2028	\$3,250	\$3,250
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2015A	not applicable	8/6/2015	8/20/2015	7/1/2029	\$3,040	\$3,040
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2015A	not applicable	8/6/2015	8/20/2015	7/1/2030	\$2,025	\$2,025
NYS Energy Res. & Development Auth. Total							\$46,358	\$27,310
Residential Solar Loan Revenue Bonds, Series 2015								
NYS Energy Res. & Development Auth.	Residential Solar Loan Revenue Bonds	2015A	not applicable	10/29/2015	10/29/2015	3/1/2026	\$12,812	\$0
NYS Energy Res. & Development Auth.	Residential Solar Loan Revenue Bonds	2015A	not applicable	2/10/2016	2/10/2016	6/1/2023	\$1,005	\$0
NYS Energy Res. & Development Auth.	Residential Solar Loan Revenue Bonds	2015A	not applicable	2/10/2016	2/10/2016	6/1/2026	\$6,058	\$972
NYS Energy Res. & Development Auth.	Residential Solar Loan Revenue Bonds	2015A	not applicable	4/8/2016	4/8/2016	9/1/2023	\$1,592	\$0
NYS Energy Res. & Development Auth.	Residential Solar Loan Revenue Bonds	2015A	not applicable	4/8/2016	4/8/2016	9/1/2026	\$6,136	\$3,817
NYS Energy Res. & Development Auth.	Residential Solar Loan Revenue Bonds	2015A	not applicable	7/11/2016	7/11/2016	12/1/2023	\$1,788	\$0
NYS Energy Res. & Development Auth.	Residential Solar Loan Revenue Bonds	2015A	not applicable	7/11/2016	7/11/2016	12/1/2026	\$7,017	\$4,487
NYS Energy Res. & Development Auth.	Residential Solar Loan Revenue Bonds	2015A	not applicable	9/28/2016	9/28/2016	3/1/2024	\$1,256	\$0
NYS Energy Res. & Development Auth.	Residential Solar Loan Revenue Bonds	2015A	not applicable	9/28/2016	9/28/2016	3/1/2027	\$5,011	\$3,261
NYS Energy Res. & Development Auth. Total							\$42,675	\$12,537
Residential Energy Efficiency Financing Revenue Bonds, Series 2016A								
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2016A	not applicable	9/22/2016	9/22/2016	7/1/2017	\$1,045	\$0
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2016A	not applicable	9/22/2016	9/22/2016	7/1/2018	\$1,585	\$0

NEW YORK STATE ENERGY RESEARCH AND DEVELOPMENT AUTHORITY
 BONDS OUTSTANDING AS OF MARCH 31, 2022

Company	Project description	Series	CUSIP	Date Close	Date Issued	Maturity	Amount	
							Issued (000's)	Outstanding (000's)
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2016A	not applicable	9/22/2016	9/22/2016	7/1/2019	\$1,600	\$0
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2016A	not applicable	9/22/2016	9/22/2016	7/1/2020	\$1,620	\$0
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2016A	not applicable	9/22/2016	9/22/2016	7/1/2021	\$1,635	\$0
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2016A	not applicable	9/22/2016	9/22/2016	7/1/2022	\$1,505	\$1,505
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2016A	not applicable	9/22/2016	9/22/2016	7/1/2023	\$1,460	\$1,460
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2016A	not applicable	9/22/2016	9/22/2016	7/1/2024	\$1,490	\$1,490
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2016A	not applicable	9/22/2016	9/22/2016	7/1/2025	\$1,520	\$1,520
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2016A	not applicable	9/22/2016	9/22/2016	7/1/2026	\$1,555	\$1,555
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2016A	not applicable	9/22/2016	9/22/2016	7/1/2027	\$1,565	\$1,565
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2016A	not applicable	9/22/2016	9/22/2016	7/1/2028	\$1,595	\$1,595
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2016A	not applicable	9/22/2016	9/22/2016	7/1/2029	\$1,635	\$1,635
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2016A	not applicable	9/22/2016	9/22/2016	7/1/2030	\$1,680	\$1,680
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2016A	not applicable	9/22/2016	9/22/2016	7/1/2031	\$1,690	\$1,690
NYS Energy Res. & Development Auth. Total							\$23,180	\$15,695
Residential Solar Loan Green Revenue Bonds, Series 2018A								
NYS Energy Res. & Development Auth.	NYSERDA Residential Financing Green Revenue Bonds	2018A		3/21/2018	3/21/2018	4/1/2020	\$1,600	\$0
NYS Energy Res. & Development Auth.	NYSERDA Residential Financing Green Revenue Bonds	2018A		3/21/2018	3/21/2018	4/1/2021	\$1,500	\$0
NYS Energy Res. & Development Auth.	NYSERDA Residential Financing Green Revenue Bonds	2018A		3/21/2018	3/21/2018	4/1/2022	\$1,500	\$65
NYS Energy Res. & Development Auth.	NYSERDA Residential Financing Green Revenue Bonds	2018A		3/21/2018	3/21/2018	4/1/2023	\$1,300	\$1,300
NYS Energy Res. & Development Auth.	NYSERDA Residential Financing Green Revenue Bonds	2018A		3/21/2018	3/21/2018	4/1/2024	\$1,100	\$1,100
NYS Energy Res. & Development Auth.	NYSERDA Residential Financing Green Revenue Bonds	2018A		3/21/2018	3/21/2018	4/1/2025	\$1,100	\$1,100
NYS Energy Res. & Development Auth.	NYSERDA Residential Financing Green Revenue Bonds	2018A		3/21/2018	3/21/2018	4/1/2026	\$1,000	\$1,000
NYS Energy Res. & Development Auth.	NYSERDA Residential Financing Green Revenue Bonds	2018A		3/21/2018	3/21/2018	4/1/2034	\$9,400	\$5,100
NYS Energy Res. & Development Auth. Total							\$18,500	\$9,665
Residential Solar and Energy Efficiency Loan Green Revenue Bonds, Series 2019A								
NYS Energy Res. & Development Auth.	NYSERDA Green Jobs Residential Solar Level and Ener	2019A	64986RAA2	3/21/2019	3/21/2019	4/1/2020	\$1,165	\$0
NYS Energy Res. & Development Auth.	NYSERDA Green Jobs Residential Solar Level and Ener	2019A	64986RAB0	3/21/2019	3/21/2019	4/1/2021	\$1,385	\$0
NYS Energy Res. & Development Auth.	NYSERDA Green Jobs Residential Solar Level and Ener	2019A	64986RAC8	3/21/2019	3/21/2019	4/1/2022	\$1,320	\$0
NYS Energy Res. & Development Auth.	NYSERDA Green Jobs Residential Solar Level and Ener	2019A	64986RAD6	3/21/2019	3/21/2019	4/1/2023	\$1,255	\$1,255
NYS Energy Res. & Development Auth.	NYSERDA Green Jobs Residential Solar Level and Ener	2019A	64986RAE4	3/21/2019	3/21/2019	4/1/2024	\$1,185	\$1,185
NYS Energy Res. & Development Auth.	NYSERDA Green Jobs Residential Solar Level and Ener	2019A	64986RAF1	3/21/2019	3/21/2019	4/1/2025	\$1,095	\$1,095
NYS Energy Res. & Development Auth.	NYSERDA Green Jobs Residential Solar Level and Ener	2019A	64986RAG9	3/21/2019	3/21/2019	4/1/2026	\$1,045	\$1,045
NYS Energy Res. & Development Auth.	NYSERDA Green Jobs Residential Solar Level and Ener	2019A	64986RAH7	3/21/2019	3/21/2019	4/1/2027	\$995	\$995
NYS Energy Res. & Development Auth.	NYSERDA Green Jobs Residential Solar Level and Ener	2019A	64986RAJ3	3/21/2019	3/21/2019	4/1/2028	\$820	\$820
NYS Energy Res. & Development Auth.	NYSERDA Green Jobs Residential Solar Level and Ener	2019A	64986RAK0	3/21/2019	3/21/2019	4/1/1935	\$5,245	\$2,385
NYS Energy Res. & Development Auth. Total							\$15,510	\$8,780
Residential Solar and Energy Efficiency Loan Green Revenue Bonds, Series 2020A								
NYS Energy Res. & Development Auth.	NYSERDA Residential Solar and Energy Efficiency Finan	2020A	64986RAL8	10/14/2020	10/14/2020	10/1/2021	\$1,905	\$0
NYS Energy Res. & Development Auth.	NYSERDA Residential Solar and Energy Efficiency Finan	2020A	64986RAM6	10/14/2020	10/14/2020	10/1/2022	\$2,065	\$2,065
NYS Energy Res. & Development Auth.	NYSERDA Residential Solar and Energy Efficiency Finan	2020A	64986RAN4	10/14/2020	10/14/2020	10/1/2023	\$1,820	\$1,820
NYS Energy Res. & Development Auth.	NYSERDA Residential Solar and Energy Efficiency Finan	2020A	64986RAP9	10/14/2020	10/14/2020	10/1/2024	\$1,635	\$1,635
NYS Energy Res. & Development Auth.	NYSERDA Residential Solar and Energy Efficiency Finan	2020A	64986RAQ7	10/14/2020	10/14/2020	10/1/2025	\$1,505	\$1,505
NYS Energy Res. & Development Auth.	NYSERDA Residential Solar and Energy Efficiency Finan	2020A	64986RAR5	10/14/2020	10/14/2020	10/1/2026	\$1,370	\$1,370
NYS Energy Res. & Development Auth.	NYSERDA Residential Solar and Energy Efficiency Finan	2020A	64986RAS3	10/14/2020	10/14/2020	10/1/2027	\$1,210	\$1,210
NYS Energy Res. & Development Auth.	NYSERDA Residential Solar and Energy Efficiency Finan	2020A	64986RAT1	10/14/2020	10/14/2020	10/1/2028	\$1,045	\$1,045
NYS Energy Res. & Development Auth.	NYSERDA Residential Solar and Energy Efficiency Finan	2020A	64986RAU8	10/14/2020	10/14/2020	10/1/2029	\$895	\$895
NYS Energy Res. & Development Auth.	NYSERDA Residential Solar and Energy Efficiency Finan	2020A	64986RAV6	10/14/2020	10/14/2020	10/1/2036	\$3,240	\$1,545
NYS Energy Res. & Development Auth. Total							\$16,690	\$13,090
Subtotal - Green Jobs - Green New York Program Financing							\$187,212	\$95,957
Grand Total							\$1,692,682	\$1,601,427

Resolution No. ____

RESOLVED, that the Authority's Annual Bond Sales Report for the fiscal year April 1, 2021 through March 31, 2021, and the information contained therein, as presented at this June 28, 2022 meeting is hereby approved by the Board for submission pursuant to Section 2800 of the Public Authorities Law.

New York’s Regional Greenhouse Gas Initiative Operating Plan Amendment for 2022 (revised)

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 2022 Operating Plan Amendment was presented to stakeholders for comment in December 2021 and was approved by NYSERDA's Board in January 2022. Since that time, two factors have contributed material changes, which prompted the development of this “Draft 2022 Operating Plan Amendment (revised)”. First, the 2022 New York State Enacted Budget does not direct NYSERDA to allocate funds to support Environmental Tax Credits; as such, these funds will be re-programmed to NYSERDA’s portfolio as per this proposal. Second, CO₂ allowance prices from recent auctions are currently at a level above the approved projection-generated revenue that allows for utilization of the previously approved expansion plan.

This “Draft 2022 Operating Plan Amendment (revised)” provides program descriptions and funding levels through March 2025.

Review of Programs and Budgets for the 2022 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 activities proposed for the 2022 Operating Plan. The 2022 Operating Plan portfolio builds on the 2021 portfolio, with an increased focus on disadvantaged communities. The funding level for each program previously approved and the amounts planned for FY22-23 through FY24-25 are reflected in Table 1 on page 5.

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 regulations reflect the provision of the Climate Leadership and Community Protection 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 1 of this Operating Plan amendment provides an estimation of how RGGI program commitments are anticipated to result in benefits for disadvantaged communities based on an interim definition of disadvantaged communities and low-to-moderate-income investments, as the Climate Justice Working Group continues its work to arrive at a long-term definition. As such, Appendix 1 tracks post-2019 cumulative commitments, as this is the timeframe in which benefits are subject to the Climate Act. NYSERDA estimates that 43% 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. The table also reflects cumulative funding allocations through FY20-21, original and revised funding allocations for FY21-22, and estimated allocations for FY22-23 through FY24-25.

Multi-year programs that have remaining funds available for program expenditures but are not receiving additional funding under this Draft 2022 Operating Plan Amendment (revised) are not described below. Those programs will continue with the planned expenditure of their previously allocated funding as outlined in the 2021 RGGI Operating Plan and the 2022 RGGI Operating Plan Amendment.

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

Programs with Pre-Approval from 2022 Operating Plan Amendment

In the previously approved Operating Plan Amendment, NYSERDA identified programs that it intended to fund in the event that auction proceeds exceed the anticipated budgets. NYSERDA will allocate RGGI funding to the following programs:

NYC Retail Storage

The Amendment allocates \$20 million in funding previously approved for NYC Retail Storage will target supporting approximately 70 to 100 MW of storage in New York City, equivalent to a full power plant. The market for retail storage in NYC shows demand remaining from previous incentive blocks and the economics of the projects show that support is still needed to bridge the gap between current system costs and a self-sustaining market. The incentives would buy down the cost to purchase and install storage systems of up to 5MW that will participate under the VDER tariff and continue the growth of an important storage market in the State, particularly with regard to system benefits.

EmPower Plus: Decarbonizing Buildings for Low- and Moderate-Income Households

To maintain statewide access to fuel neutral, whole buildings energy efficiency opportunities, these funds will maintain support for low-to-moderate-income (LMI) customers including but not limited to customers of municipal utilities and/or customers using delivered fuel, to access incentives through EmPower or Assisted Home Performance with ENERGY STAR, comprehensive energy efficiency services programs for income-qualified residents in existing one-to-four family homes. This Amendment allocates an additional \$39 million, which now totals \$48 million for the EmPower Plus program through FY24-25. This additional investment will fund high-efficiency electrification upgrades for low- and moderate- income utility customers using electric resistance heating or delivered fuels. This funding will also be used to ensure funding continuity for low- to moderate-income programs to bridge CEF funding gaps.

Expansion of Planned Programs

ChargeNY

ChargeNY has been pursuing three 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 higher upfront costs. 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, 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, 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. This Operating Plan Amendment proposes to provide an additional \$45 million to now total \$96.3 million through FY24-25, which 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.

Equity and Climate Transformation Research

The amendment proposes an additional \$600,000 allocation to now total \$2.6 million through the planning period, which will be used to support Climate Action Council Climate Justice Working Group. This new activity will complement the previously approved proposal to establish an Equity and Climate Transformation Research Program. While the techno-economic pathways for decarbonization have been mapped out in the literature and in analysis for the Climate Action Council, less is known about the social and institutional dimensions of this deep and rapid transformation. This program would establish an engaged, participatory research framework to study the social dimensions of an equitable and inclusive transition in a manner that centers the lived experiences of underserved and overburdened communities and prioritizes beneficial outcomes for disadvantaged communities. This initial funding would provide the investment necessary to develop both formal proposals for long-term funding as well as pilot initiatives. These pilot initiatives would aim to 1) test initial research hypotheses, 2) engage with a diverse set of NYS communities to understand how they would most benefit from this research and how they can be most effectively

engaged in the process and 3) convene academics. The creation of an Equity and Climate Transformation Research Agenda would support scientifically rigorous inquiry that also advances transformative, inclusive solutions to climate action challenges in New York State. The work would inform strategies for effective climate awareness and consumer education initiatives.

Climate Action Consumer Awareness & Education

The amendment proposes an additional \$2 million to now total \$12 million which will be used to support marketing and public outreach campaigns. These campaigns historically have been directed to increase consumer familiarity with energy efficiency and clean heating and cooling technologies that can be adopted in partnership with utilities. In response to recommendations received during the RGGI Stakeholder Meeting, this additional funding will augment education and outreach campaigns on climate policy and action.

Funding Assumptions

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. The table below presents an increase in program administration funding, which reflects the projected increased need for additional support based on the anticipated increase in program activity.

This revised Amendment assumes that future auction proceeds are based on an auction allowance price of \$8.00 that is sustained through the end of the planning period. This \$8.00 per allowance estimate is conservatively used going forward, based on a lookback average of recent auctions, increased by a modest inflationary factor of 2.5% per year. Relatedly, the revised auction allowance for FY21-22 is \$11.04, which is an average of the value of the allowances New York State received from the last four RGGI auctions (e.g., Auction 52 through Auction 55).

Table 1: Revenues and Program Funding Allocations

Category	Program	Cumulative FY20-21	FY21-22 Original Plan	FY21-22 Revision 1	FY21-22 Revision 2	FY22-23	FY23-24	FY24-25	Total
Proceeds	Number of allowances	412,511,868	21,874,920	21,502,096	22,706,145	20,924,243	20,043,750	19,163,257	495,349,262
	Allowance price	\$3.51	\$6.82	\$8.32	\$11.04	\$8.00	\$8.00	\$8.00	\$4.40
	RGGI Auction Proceeds	1,446,909,689	149,186,951	178,881,539	250,634,361	167,393,942	160,349,998	153,306,054	2,178,594,044
	Interest Earnings	18,156,696	101,000	217,000	54,000	69,000	65,000	59,000	18,403,696
Total Revenues	1,465,066,385	149,287,951	179,098,539	250,688,361	167,462,942	160,414,998	153,365,054	2,196,997,740	
Renewable Energy	NY SUN NYPA Customer Incentives	26,000,000	3,000,000	3,000,000	3,000,000	1,000,000	-	-	30,000,000
	NY SUN Community Solar/K-solar	7,500,000	-	-	-	-	-	-	7,500,000
	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
	Community Heat Pump Systems	-	-	-	-	5,000,000	4,700,000	-	9,700,000
	Advanced Renewable Energy	2,837,698	-	-	-	-	-	-	2,837,698
	NYS Generation Attributes Tracking System	789,933	-	-	-	-	-	-	789,933
NYSDA PV incentives	5,319,821	-	-	-	-	-	-	5,319,821	
Energy Efficiency	Clean Energy Workforce Opportunity Program	15,000,000	-	-	-	-	-	-	15,000,000
	LIPA Efficiency and RE	229,600,000	20,000,000	20,000,000	20,000,000	20,000,000	20,000,000	20,000,000	309,600,000
	Energy Storage (LIPA territory)	12,926,434	-	-	-	-	-	-	12,926,434
	NYC Retail Storage	-	-	-	-	-	20,000,000	-	20,000,000
	EmPower Plus	53,975,905	500,000	1,500,000	1,500,000	16,000,000	16,000,000	16,000,000	103,475,905
	Pilot Projects with Municipal Utilities	-	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	-	3,000,000
	Disadvantaged Communities Schools/Buildings	-	13,000,000	13,000,000	13,000,000	12,600,000	17,300,000	6,500,000	49,400,000
	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	
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 Collidor	25,000,000	-	-	-	-	-	-	25,000,000
	Electric Vehicle/Charge NY	23,500,000	21,500,000	21,500,000	36,500,000	42,400,000	23,000,000	30,900,000	156,300,000
	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	-	-	-	-	-	-	5,809,987
	Transportation Research	3,819,311	-	-	-	-	-	-	3,819,311
	Natural Carbon Solutions	-	-	-	-	2,000,000	3,000,000	2,000,000	7,000,000
	Equity and Climate Transformation Research	-	-	-	-	800,000	900,000	900,000	2,600,000
	Climate Mitigation and Resilience Research	-	-	-	500,000	500,000	500,000	-	1,500,000
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	-	-	-	-	-	-	94,261,895
	Clean Energy Communities	4,273,120	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	16,273,120
	Climate Smart Communities	7,674,999	-	-	-	-	-	-	7,674,999
	Community Energy Engagement	1,400,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	-	4,400,000
	Economic Development Growth Extension	5,843,047	-	-	-	-	-	-	5,843,047
	Energy to Lead	3,000,000	-	-	-	-	-	-	3,000,000
	Renewable/Net-Zero Energy Demonstrations	6,000,000	1,000,000	1,000,000	1,000,000	500,000	-	-	7,500,000
	Healthy New Home Design & Construction Challenge	-	-	-	-	1,000,000	3,000,000	3,000,000	7,000,000
	Workforce Development Talent Pipeline Priority Population	-	2,000,000	2,000,000	2,000,000	2,000,000	11,000,000	4,000,000	19,000,000
	Clean Energy Hubs	-	-	-	-	3,000,000	3,000,000	4,000,000	10,000,000
	Climate Action Consumer Awareness & Education	-	-	-	-	1,500,000	6,000,000	4,500,000	12,000,000
Air Monitoring	-	-	2,000,000	8,000,000	-	-	-	8,000,000	
Regional Economic Development & GHG Reduction	10,246,443	-	-	-	-	-	-	10,246,443	
Directed	NYS Environmental Tax Credits	156,000,000	23,000,000	23,000,000	23,000,000	-	-	-	179,000,000
	NYS Environmental Protection Fund	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	25,000,000
	Electric Generation Facility Cessation Mitigation/ Just Transition	50,000,000	-	-	-	-	-	-	50,000,000
	Green Jobs-Green NY- Original Legislation	112,000,000	-	-	-	-	-	-	112,000,000
	Green Jobs-Green NY- Additional Funding	142,725,275	12,000,000	12,000,000	12,000,000	29,936,974	4,370,498	14,071,993	203,104,740
	Transfer to Clean Energy Standard	719,424	-	-	-	-	-	-	719,424
	NYS Budget Transfer	90,000,000	-	-	-	-	-	-	90,000,000
NYS Temporary Budget Transfer	-	-	-	-	-	-	-	-	
CEF	Transfer to/from Clean Energy Fund	130,437,540	33,789,264	33,789,264	33,789,264	22,000,000	22,000,000	22,000,000	230,226,804
Administration and Other Non-Program Costs	Program Administration	39,596,359	7,500,000	7,500,000	7,500,000	12,800,000	12,800,000	12,800,000	85,496,359
	Program Evaluation	9,155,429	-	-	-	1,000,000	1,000,000	1,000,000	12,155,429
	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	9,183,667	825,000	825,000	825,000	825,000	825,000	825,000	12,483,667
	State Cost Recovery	14,085,353	1,173,687	1,204,304	1,204,304	1,673,939	1,603,500	1,533,061	20,100,157
Total Funding Allocations	1,465,066,385	149,287,951	152,318,568	173,818,568	186,535,913	186,998,998	155,030,054	2,167,449,918	
Unprogrammed/(Overcommitment)	-	-	26,779,971	76,869,793	(19,072,971)	(26,584,000)	(1,665,000)	29,547,822	
Cumulative Unprogrammed(Overcommitment)	-	-	26,779,971	76,869,793	57,796,822	31,212,822	29,547,822	29,547,822	

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

Table 2: RGGI Cash Flow

Category		Cumulative 3/31/21	FY21-22	FY22-23	FY23-24	FY24-25	Thereafter
Proceeds	Number of allowances	412,511,868	22,706,145	20,924,243	20,043,750	19,163,257	
	Allowance price	\$3.51	\$11.04	\$8.00	\$8.00	\$8.00	
	RGGI Auction Proceeds	1,446,909,689	250,634,361	167,393,942	160,349,998	153,306,054	
	Interest Earnings	18,156,697	54,000	69,000	65,000	59,000	
	Total Revenues	1,465,066,385	250,688,361	167,462,942	160,414,998	153,365,054	
Renewable Energy	NY SUN NYPA Customer Incentives	4,072,420	3,000,000	8,000,000	8,000,000	3,500,000	3,427,580
	NY SUN Community Solar/K-solar	1,209,292	200,000	1,200,000	1,200,000	1,200,000	2,490,708
	NY SUN Long Island incentives	47,611,962	500,000	3,500,000	3,388,038	-	-
	Residential PV Plus Storage	-	-	-	1,000,000	3,000,000	5,000,000
	Renewable Heat NY	9,317,387	434,536	363,910	184,250	-	-
	Community Heat Pump Systems	-	-	1,500,000	3,500,000	3,500,000	1,200,000
	Advanced Renewable Energy	2,837,698	-	-	-	-	-
	NYS Generation Attributes Tracking System	585,409	102,262	102,262	-	-	-
	NYSERDA PV incentives	5,319,821	-	-	-	-	-
Energy Efficiency	Clean Energy Workforce Opportunity Program	15,000,000	-	-	-	-	-
	LIPA Efficiency and RE	229,600,000	20,000,000	20,000,000	20,000,000	20,000,000	-
	Energy Storage (LIPA territory)	1,178,825	1,417,061	1,500,000	2,500,000	3,000,000	3,330,548
	NYC Retail Storage	-	-	-	-	1,000,000	19,000,000
	EmPower Plus	53,530,393	1,500,000	13,500,000	14,500,000	14,000,000	6,445,512
	Pilot Projects with Municipal Utilities	-	-	1,000,000	1,000,000	1,000,000	-
	Disadvantaged Communities Schools/Buildings	-	50,000	3,040,000	6,360,000	13,130,000	26,820,000
	Multifamily Performance Program	14,711,711	162,752	172,220	-	-	-
	Multifamily Carbon Emissions Reduction	5,833,019	-	-	-	-	-
	Solar Thermal incentive	4,226,947	-	-	-	-	-
	Municipal Water/Wastewater	1,245,242	-	-	-	-	-
	Green Residential Buildings	2,744,601	-	-	-	-	-
Innovative GHG Abatement Strategies	Southern Tier Competition (76 West)	10,223,649	444,830	331,521	-	-	-
	Brookhaven National Lab- ION Collidor	24,999,638	362	-	-	-	-
	Electric Vehicle/Charge NY	22,503,073	34,392,580	35,000,000	30,000,000	30,000,000	4,404,347
	Advanced Buildings & Industrial Innovations	10,854,772	500,000	1,000,000	500,000	452,882	-
	Climate Research & Analysis	8,618,850	41,516	68,930	-	-	-
	Competitive GHG Reduction Pilot	972,650	-	-	-	-	-
	Clean Energy Business Development	5,625,889	-	184,098	-	-	-
	Transportation Research	3,773,206	46,105	-	-	-	-
	Natural Carbon Solutions	-	-	1,000,000	1,000,000	1,000,000	4,000,000
	Equity and Climate Transformation Research	-	-	400,000	400,000	400,000	1,400,000
	Climate Mitigation and Resilience Research	-	-	300,000	700,000	500,000	-
	PV Manufacturing consortium	8,480,000	-	-	-	-	-
	Carbon Sequestration	1,000,000	-	-	-	-	-
Community Clean Energy	Cleaner Greener Communities	72,584,734	2,447,830	3,710,503	7,579,029	7,761,693	178,106
	Clean Energy Communities	1,505,713	500,000	775,000	1,750,000	2,200,000	9,542,407
	Climate Smart Communities	5,003,147	500,000	768,212	644,808	529,586	229,246
	Community Energy Engagement	515,755	516,162	976,165	597,979	597,979	1,195,960
	Economic Development Growth Extension	5,562,723	-	280,324	-	-	-
	Energy to Lead	699,049	389,391	500,000	500,000	500,000	411,560
	Renewable/Net-Zero Energy Demonstrations	3,000,000	2,000,000	250,000	1,250,000	1,000,000	-
	Healthy New Home Design & Construction Challenge	-	-	500,000	1,000,000	3,000,000	2,500,000
	Workforce Development Talent Pipeline Priority Population	-	55,868	3,029,000	4,328,000	6,058,000	5,529,132
	Clean Energy Hubs	-	-	3,000,000	3,000,000	3,000,000	1,000,000
	Climate Action Consumer Awareness & Education	-	-	1,500,000	4,500,000	3,000,000	3,000,000
	Air Monitoring	-	8,000,000	-	-	-	-
	Regional Economic Development & GHG Reduction	9,807,611	238,832	200,000	-	-	-
Directed	NYS Environmental Tax Credits	156,000,000	23,000,000	-	-	-	-
	NYS Environmental Protection Fund	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	-
	Electric Generation Facility Cessation Mitigation	45,000,000	2,500,000	2,500,000	-	-	-
	Green Jobs-Green NY- Original Legislation	112,000,000	-	-	-	-	-
	Green Jobs-Green NY- Additional Funding	142,725,275	12,000,000	29,936,974	4,370,498	14,071,993	-
	Transfer to Clean Energy Standard	719,424	-	-	-	-	-
	NYS Budget Transfer	90,000,000	-	-	-	-	-
	NYS Temporary Budget Transfer	5,012,649	(166,000)	(859,581)	(3,306,082)	(680,986)	-
CEF	Transfer to Clean Energy Fund	130,437,540	33,789,264	22,000,000	22,000,000	22,000,000	-
	Transfer to NY Green Bank	-	-	-	-	-	-
Administration and Other Non-Program Costs	Program Administration	39,380,934	7,715,425	12,800,000	12,800,000	12,800,000	-
	Program Evaluation	6,162,155	300,000	500,000	1,000,000	1,000,000	3,193,274
	Commensurate Benefit/Litigation reserve	21,900,366	-	-	-	-	-
	RGGI Inc Startup Costs	1,598,204	-	-	-	-	-
	RGGI Inc pro-rata costs	8,644,798	825,000	825,000	825,000	825,000	538,869
	State Cost Recovery	13,840,970	1,204,304	1,266,248	1,361,551	1,400,221	1,026,863
Total Expenses		1,373,177,501	163,608,080	181,620,785	163,433,071	179,746,369	105,864,112
Cash Increase/(Decrease)		91,888,884	87,080,281	(14,157,843)	(3,018,073)	(26,381,315)	(105,864,112)
Cash Balance		91,888,884	178,969,165	164,811,322	161,793,249	135,411,934	29,547,822

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

Appendix 1

RGGI Commitments Benefiting Disadvantaged Communities

Category	Program	Cumulative	Estimated LMI/	%	Post-2019	Estimated LMI/	%	Total	
		Commitments	Disadvantaged		Commitments	Disadvantaged			
		12/31/19	Community Benefit			Community Benefit			
SUBJECT TO CLCPA	Renewable Energy	NY SUN NYPA Customer Incentives	9,706,046	3,397,116	35%	20,293,954	7,102,884	35%	30,000,000
		NY SUN Community Solar/K-solar	1,249,272	-	0%	6,250,728	-	0%	7,500,000
		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
		Community Heat Pump Systems	-	-	66%	9,700,000	6,402,000	66%	9,700,000
		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	Clean Energy Workforce Opportunity Program	15,000,000	-	0%	-	-	0%	15,000,000
		LIPA Efficiency and RE	204,600,000	61,380,000	30%	105,000,000	31,500,000	30%	309,600,000
		Energy Storage (LIPA territory)	301,575	-	0%	12,624,859	-	0%	12,926,434
		NYC Retail Storage	-	-	0%	20,000,000	8,000,000	40%	20,000,000
		EmPower Plus	52,857,971	52,857,971	100%	50,617,934	29,617,934	59%	103,475,905
		Pilot Projects with Municipal Utilities	-	-	35%	3,000,000	1,050,000	35%	3,000,000
		Disadvantaged Communities Schools/Buildings	-	-	100%	49,400,000	49,400,000	100%	49,400,000
		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
	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 Collidor	25,000,000	-	0%	-	-	0%	25,000,000
		Electric Vehicle/Charge NY	11,188,399	-	0%	145,111,601	30,516,740	21%	156,300,000
		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%	-	-	0%	5,809,987
		Transportation Research	3,819,311	-	0%	-	-	0%	3,819,311
		Natural Carbon Solutions	-	-	50%	7,000,000	3,500,000	50%	7,000,000
		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
		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%	-	-	0%	94,261,895
		Clean Energy Communities	2,086,963	-	0%	14,186,157	4,539,570	32%	16,273,120
		Climate Smart Communities	5,321,157	-	0%	2,353,842	-	0%	7,674,999
		Community Energy Engagement	675,730	-	0%	3,724,270	3,000,000	81%	4,400,000
		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%	7,000,000	-	0%	7,000,000
		Workforce Development Talent Pipeline Priority Population	-	-	0%	19,000,000	10,350,000	54%	19,000,000
		Clean Energy Hubs	-	-	100%	10,000,000	10,000,000	100%	10,000,000
		Climate Action Consumer Awareness & Education	-	-	50%	12,000,000	6,000,000	50%	12,000,000
		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%	25,000,000	8,750,000	35%	25,000,000	
	Electric Generation Facility Cessation Mitigation/ Just Transition	30,000,000	30,000,000	100%	20,000,000	20,000,000	100%	50,000,000	
	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%	98,079,465	60,809,268	62%	203,104,740	
	Transfer to Clean Energy Standard	719,424	-	0%	-	-	0%	719,424	
	NYS Budget Transfer	90,000,000	-	0%	-	-	0%	90,000,000	
SUBTOTAL	1,066,063,956	243,543,933	23%	717,424,976	311,638,397	43%	1,783,488,932		
Excluded	Administration and Other Non-Program Costs	Transfer to/from Clean Energy Fund	73,790,932	-	-	156,435,872	-	-	230,226,804
		Program Administration	31,931,071	-	-	53,565,288	-	-	85,496,359
		Program Evaluation	5,999,519	-	-	6,155,910	-	-	12,155,429
		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	-	-	4,737,619	-	-	12,483,667
		State Cost Recovery	12,606,619	-	-	7,493,538	-	-	20,100,157
		SUBTOTAL	155,572,759	-	-	228,388,227	-	-	383,960,986
TOTAL	1,221,636,715	243,543,933	20%	945,813,203	311,638,397	33%	2,167,449,918		

Resolution No. _____

RESOLVED, that revisions to the “Operating Plan for Investments in New York Under the CO₂ Budget Trading Program and the CO₂ Allowance Auction Program” as presented to the Members for consideration at this June 28, 2022 meeting, with such non-substantive, editorial changes and supplementary schedules as the President and Chief Executive Officer, in their discretion, may deem necessary or appropriate, are approved;

AND BE IT FURTHER RESOLVED, that the Members direct the President and Chief Executive Officer to develop a revised operating plan incorporating such revisions as soon as reasonably possible.

AUDIT AND FINANCE COMMITTEE CHARTER

Established September 18, 1980

Purposes

Pursuant to Article V, Section 5, of the Authority's By-laws, the purposes of the Audit and Finance Committee are to recommend the hiring of a certified independent auditing firm, including the compensation to be paid, and provide direct oversight of the performance of the independent audit performed; review the annual financial statements of the Authority prior to submission for approval to the Members of the Authority; and may examine and consider such other matters in relation to the internal and external audit of the Authority's accounts, the Authority's financings, and in relation to the financial affairs of the Authority and its accounts as the Audit and Finance Committee may determine to be desirable.

Powers of the Committee

The Committee will:

- recommend appointment, including compensation, and oversee the work, of the independent auditors and, as appropriate, any other public accounting firm employed by the Authority;
- conduct or authorize investigations into any matters within its scope of responsibility;
- seek any information it requires from Authority employees; and
- meet with Authority staff and independent auditors, as necessary.

The Committee shall have sufficient resources to carry out its duties.

Composition of Committee and Selection of Members

The Committee shall be established as set forth in and pursuant to Article V, Section 5, of the Authority's By-laws. The Committee shall be a standing advisory committee of the Authority. The Committee shall have not fewer than three nor more than six Members. The Committee shall consist of not less than three independent Members who shall constitute a majority on the Committee and who shall possess the necessary skills to understand the duties and function of the Committee, provided however, that in the event that there are less than three independent Members, the Members may appoint non-independent Members, provided that the independent Members constitute a majority of the Members of the Committee. In addition, the membership of

the Committee shall include the Chair of the Authority who shall serve ex-officio and who shall enjoy all the rights and privileges of membership, including the right to vote. A majority of the members of the Committee then in office, not including the Chair of the Authority, gathered together in the presence of each other or through the use of videoconferencing, shall constitute a quorum, and the Chair of the Authority if present shall be counted toward a quorum.

The Members of the Authority will appoint the Chair of the Committee.

Committee members shall be familiar with corporate financial and accounting practices and at least one should be a financial expert. The financial expert should have: (a) an understanding of generally accepted accounting principles and financial statements; (b) experience in preparing or auditing financial statements of comparable entities; (c) experience in applying such principles in connection with the accounting for estimates, accruals and reserves; (d) experience with internal accounting controls; and (e) an understanding of audit committee functions.

Meetings

The Committee will meet, as necessary, and special meetings may be called in accordance with the Bylaws. Members of the Committee are expected to attend each committee meeting, in person or by video conference. The Committee may invite other individuals to attend meetings and provide pertinent information, as necessary.

The Committee will meet with the independent auditor at least annually to discuss the financial statements of the Authority.

Notices of meetings will be prepared in accordance with the By-laws and agendas and briefing materials will be prepared and provided to the Committee members. To the extent practicable, briefing materials will be provided to the Committee members not less than 5 business days prior to each meeting. Minutes of each meeting will be maintained in a central location at the Authority's principal office.

Meetings will be conducted in accordance with the open meetings law.

Responsibilities

The Committee will be responsible for reporting on significant material matters related to its: (a) oversight of the independent auditors and financial statements; (b) oversight of internal audit activities; (c) oversight of management's internal controls, compliance, and risk assessment practices; (d) review and approval or recommendations concerning approval of Authority financings; (e) review and recommendations concerning approval of investments and investment activities; (f) oversight of special investigations and whistle blower policies; and (g) review or

oversight of any other issues related to the audit and finance practices of the Authority as it deems appropriate.

Independent Auditors and Financial Statements. The Committee will:

- recommend appointment and approval of compensation and oversee independent auditors retained by the Authority and approve all audit services provided by the independent auditor;
- review the procedures for the selection of the independent auditor to ensure compliance with procurement guidelines, internal controls, and any other applicable requirements. The independent auditors will be prohibited from providing non-audit services unless having received previous written approval from the Committee (Non-audit services include tasks that directly support operations, such as bookkeeping or other services related to the accounting records or financial statements of the Authority, financial information systems design and implementation, appraisal or valuation services, actuarial services, investment banking services, and other tasks that may involve performing management functions or making management decisions);
- review audited financial statements and the associated management letter, and report on internal controls and all other auditor communications;
- review significant accounting and reporting issues, new accounting requirements and understand their impact on the financial statements;
- meet with the independent audit firm and discuss any significant issues that may have surfaced during the course of the audit; and
- review and discuss any significant risks reported in the independent audit findings and recommendations and assess the responsiveness and timeliness of management's follow-up activities.

Internal Audit and Other Activities. The Committee will:

- approve the Internal Audit Section of the Internal Control Manual and the risk-based audit plan on an annual basis;
- provide input to the Director of Internal Audit on the internal audit function's budget and resource plan;
- review with management and the Director of Internal Audit, the audit plans and

activities of the internal audit function.

- approve significant changes to the risk-based audit plan;
- receive communications from the Director of Internal Audit regarding internal audit's performance related to the audit plan and other matters;
- approve the appointment or removal of the Director of Internal Audit;
- ensure that the internal audit function is organizationally independent from operations and that the Director of Internal Audit confirms, at least annually, the organizational independence of the internal audit activity;
- make appropriate inquiries of management and the Director of Internal Audit to determine whether there are inappropriate scope or resource limitations;
- review the internal audit function's conformance with the Institute of Internal Auditors' International Professional Practices Framework, including the Definition of Internal Auditing, the Core Principles for the Professional Practice of Internal Auditing, the Code of Ethics, and the *International Standards for the Professional Practice of Internal Auditing (the Standards)*, and action plans to address any significant conformance issues;
- as permitted by law, meet separately with the Director of Internal Audit to discuss any matters that the Audit and Finance Committee or the Director of Internal Audit believes should be discussed privately;
- review the results of audit activities and approve procedures for implementing accepted recommendations of the internal auditor; and
- review the results of audits performed by the Office of the State Comptroller and any other federal or State agencies, and procedures for implementing accepted recommendations of the audit.

Internal Controls, Compliance, and Risk Assessment Practices. The Committee will:

- review internal controls policies and procedures; and
- review annually management's assessment of the effectiveness of internal controls; and review the report on compliance with internal controls by the independent auditors as a part of the financial audit engagement.

Authority Financings. The Committee will:

- review and approve declarations of intent;
- review Authority financings;
- review and make recommendations concerning proposals for issuance of debt; and
- review and make recommendations concerning approval of an annual bond sale report.

Investment Activities. The Committee will:

- require the Authority's independent auditors to perform a review of, and issue a report on, the Authority's compliance with Section 201.3 of Title Two of the New York Codes, Rules, and Regulations, under *Government Auditing Standards* issued by the Comptroller General of the United States;
- review the quarterly, annual, and any other periodic investment reports, and recommend to the Members of the Authority such changes in the annual investment report as it deems necessary or appropriate; and
- review not less frequently than annually the Investment Guidelines, and recommend to the Members of the Authority such changes in the Investment Guidelines as it deems necessary or appropriate.

Special Investigations. The Committee will:

- ensure availability of an appropriate confidential mechanism for individuals to report suspected fraudulent activities, allegations of corruption, fraud, criminal activity, conflicts of interest or abuse by the directors, officers, or employees and any persons having business dealings with the Authority, and breaches of internal control;
- review and recommend approval of procedures for the receipt, retention, investigation and referral of complaints concerning accounting, internal controls, and auditing to the appropriate body;
- request and oversee special investigations as needed and refer specific issues to the appropriate body for further investigation; and
- review all reports delivered to it by the Inspector General and serve as a point of

contact with the Inspector General.

Other Responsibilities. The Committee will:

- report significant material issues to the Members;
- obtain information and assess training needs to enhance the Committee members' understanding of the role of internal audits and the independent auditor, the risk management process, internal controls, and familiarity with financial reporting standards;
- review the Committee's charter, reassess its adequacy, and recommend proposed changes, as it deems appropriate; and
- review and make recommendations concerning approval of the annual report required by the Public Authorities Law and such other guidelines, policies, procedures, and reports, as deemed appropriate.

GOVERNANCE COMMITTEE CHARTER

Established April 3, 2006

Purposes

Pursuant to Article V, Section 7 of the Authority's By-laws, the purposes of the Committee are to: keep the Members informed of current best practices of corporate governance, review and advise on corporate governance trends, update the Authority's corporate governance principles, as necessary, and advise appointing authorities on the skills and qualifications required of Members.

Powers of the Committee

The Committee will:

- develop qualifications applicable to Members;
- meet with and obtain advice and assistance from Authority staff, including in-house counsel, and any other persons having special competencies, including legal, accounting or other consultants as the Committee deems necessary to fulfill its responsibilities;
- retain, at the Authority's expense, such outside counsel, experts and other advisors as the Committee may deem appropriate, as approved by the Members;
- conduct or authorize investigations into any matters within its scope of responsibility; and
- seek any assistance it requires from Authority employees.

The Committee shall have sufficient resources to carry out its duties.

Composition and Selection

The Committee shall be established as set forth in and pursuant to Article V, Section 7 of the Authority's By-laws. The Committee shall be a standing advisory committee of the Authority. The Committee shall have not fewer than three nor more than six Members. The Committee shall consist of not less than three independent Members who shall constitute a majority on the Committee and who shall possess the necessary skills to understand the duties and function of the Committee, provided, however, that in the event that there are less than three independent Members, the Members may appoint non-independent Members,

provided that the independent Members constitute a majority of the Members of the Committee. In addition, the membership of the Committee shall include the Chair of the Authority who shall serve ex-officio and who shall enjoy all the rights and privileges of membership, including the right to vote. A majority of the members of the Committee then in office, not including the Chair of the Authority, gathered together in the presence of each other or through the use of videoconferencing, shall constitute a quorum, and the Chair of the Authority if present shall be counted toward a quorum.

The Members of the Authority will appoint the Chair of the Committee.

To the extent practicable, Committee members should be familiar with matters pertaining to governance, as it relates to public authorities and comparable corporations.

Meetings

The Committee will meet, as necessary, and special meetings may be called in accordance with the By-laws. Members of the Committee are expected to attend each committee meeting, in person or by video conference. The Committee may invite other individuals to attend meetings and provide pertinent information, as necessary.

The Committee will meet at least annually to discuss the developments in the area of good governance principles and practices, including enactment of legislation that may affect governance.

Notices of meetings will be prepared in accordance with the By-laws and agendas and briefing materials will be prepared and provided to the Committee members. To the extent practicable, briefing materials will be provided to the Committee members not less than 5 business days prior to each meeting. Minutes of each meeting will be maintained in a central location at the Authority's principal office.

Meetings shall be conducted in accordance with the open meetings law.

Responsibilities

The Committee will be responsible for reporting to the Members on significant and material matters related to: (a) identifying individuals qualified to become Members of the Authority, consistent with the qualifications established in its enabling statute and any other established criteria; (b) developing, reviewing, monitoring, and re-evaluating the Authority's governance principles and practices and, when appropriate, recommending changes to such principles and practices; (c) reviewing ethics standards and whistle blower protections; (d) developing and recommending performance criteria and an evaluation process to be used in

evaluating the Board's functioning as a whole and coordinating and overseeing such evaluation; (e) Diversity, Equity, and Inclusion; and (ef) performing such other functions as may be assigned.

Identifying Member Qualifications. The Committee will:

- consistent with the Authority's governance principles and the statutory requirements for Members, evaluate the needs of the Board to determine the qualifications of individuals suited to enhance the composition of the Board;
- assist in attracting candidates who meet Member qualifications and review the qualifications of persons identified to the Committee as prospective members of the various Authority committees and of the Board, as requested; and
- develop and provide recommendations regarding Member education, including but not limited to, new Member orientation and training to be obtained from State-approved or other trainers.

Governance Principles and Practices. The Committee will:

- develop, review, monitor, and re-evaluate no less than annually, and recommend such changes to governance principles and practices including those that address transparency, independence, accountability, fiduciary responsibilities, and management oversight, as it deems appropriate; and
- monitor compliance with the governance principles and practices.

Ethics Standards and Whistle Blower Protection. The Committee will:

- develop, review on a regular basis, and update as necessary the Authority's ~~Code of Conduct and~~ written policies regarding conflicts of interest, such ~~code and~~ policies to be no less stringent than the laws, rules, regulations, and policies applicable to State officers and employees;
- review and make recommendations as appropriate on revisions to the ~~Authorities-~~Authority's By-laws regarding the conduct of Board business; and
- periodically review and make recommendations, if necessary, on revisions to the Authority's written policies regarding the protection of whistle blowers.

Performance Criteria and Evaluation. The Committee will:

- review and manage the process for conducting the annual Board Member self-evaluation; and
- review and provide recommendations with respect to the annual Board Member self-evaluation.

Diversity, Equity and Inclusion: The Committee will:

- review and make recommendations with respect to the Authority's diversity, equity, and inclusion strategic plans and initiatives, as appropriate; and
- monitor progress in achieving the Authority's diversity, equity, and inclusion goals.

Other Responsibilities. The Committee will:

- review compensation and related policies and procedures;
- review and recommend for approval such governance-related reports, guidelines, policies, procedures, assessments, and reports as may be required; and
- perform such other functions as may be assigned to it from time to time.

PROGRAM PLANNING COMMITTEE CHARTER

Established September 20, 1983

Purposes

Pursuant to Article V, Section 5 of the Authority's By-Laws, the purposes of the Committee are to: review the annual updating of the Authority's Strategic Program Plan; and preparation of the portions of the Authority's annual budget related to the energy research and innovation, market development, clean energy financing, and other related programs and initiatives; provide guidance to the Authority's officers and employees in the preparation of those plans and those portions of the budget; and shall consider such other matters related to the Authority's innovation, market development, clean energy financing, and other related programs and initiatives as the officers of the Authority may refer to the Committee.

Powers of the Committee

The Committee will:

- review the annual update of the Authority's Strategic Program Plan;
- review preparation of the portions of the Authority's annual budget related to innovation, market development, clean energy financing, and other related programs and initiatives;
- consider such other matters related to the Authority's innovation, market development, clean energy financing, and other related programs and initiatives as the officers of the Authority may refer to the Committee; and
- meet with and request information from Authority staff as necessary.

The Committee shall have sufficient resources to carry out its duties.

Composition and Selection

The Committee shall be established as set forth in and pursuant to Article V, Section 5 of the Authority's By-Laws. The Committee shall be a standing advisory committee of the Authority. The Committee shall have not fewer than three nor more than ten Members, who shall be elected from among the Members of the Authority other than the Chair. A majority of these committee members shall be other than Members of the Authority who serve ex-officio. In addition, the membership of the Committee shall include the Chair of the Authority, who shall serve ex-officio and who shall enjoy all the rights and privileges of membership, including the right to vote. A majority of the members of the Committee then in office, not including the

Chair, gathered together in the presence of each other or through the use of videoconferencing, shall constitute a quorum, and the Chair of the Authority if present shall be counted toward a quorum.

The Members of the Authority will appoint the Chair of the Committee.

Meetings

The Committee will meet, as necessary, and special meetings may be called in accordance with the By-laws. Members of the Committee are expected to attend each committee meeting, in person or by video conference. The Committee may invite other individuals to attend meetings and provide pertinent information, as necessary.

Notices of meetings will be prepared in accordance with the By-Laws and agendas and briefing materials will be prepared and provided to the Committee members. To the extent practicable, briefing materials will be provided to the Committee members not less than 5 business days prior to each meeting. Minutes of each meeting will be maintained in a central location at the Authority's principal office.

Meetings shall be conducted in accordance with the open meetings law.

Responsibilities

The Committee will be responsible for reporting to the Members on significant and material matters related to: (a) the annual updating of the Authority's Strategic Program Plan; (b) the preparation of the portions of the Authority's annual budget related to innovation, market development, clean energy financing, and other related programs and initiatives; (c) such other matters related to the Authority's innovation, market development, clean energy financing, and other related programs and initiatives as the officers of the Authority may refer to the Committee;

Review the annual update of the Strategic Program Plan. The Committee will:

- review the process Authority staff uses to prepare the Strategic Program Plan;
- review a draft of the Strategic Program Plan document; and
- recommend such revisions to the process and document as the Members deem necessary.

Review the preparation of the portions of the Authority's annual budget related to innovation, market development, clean energy financing, and other related programs and initiatives. The Committee will:

- review drafts of the annual spending plan and the annual operating budget with respect to the program areas within its jurisdiction;
- recommend such revisions to these documents as the Members deem necessary;
- review any proposed revisions by the Officers to the operating budget with respect to the program areas within its jurisdiction.

Provide guidance in the preparation of plans and budgets. The Committee will:

- receive reports from Authority staff concerning progress in the various program areas within its jurisdiction;
- make such recommendations with respect to program direction and planning as the Members deem necessary.

Consider such other matters related to the Authority's programs within its jurisdiction as the officers of the Authority may refer to the Committee. The Committee will:

- receive reports on any other matters with respect to the program areas within its jurisdiction as the officers of the Authority may refer to the Committee and make such recommendations on such matters as the Members deem necessary.

WASTE AND FACILITIES MANAGEMENT COMMITTEE CHARTER

Established September 21, 1987

Purposes

Pursuant to Article V, Section 6 of the Authority's By-laws, the purposes of the Waste and Facilities Management Committee are to: review the Authority's program and plans for management of the Western New York Nuclear Service Center, including the West Valley Demonstration Project, and for radioactive waste policy and nuclear coordination; to review the preparation of the Authority's annual West Valley site management program and radioactive waste policy and nuclear coordination budgets; to provide guidance to the Authority's officers and employees in the preparation of the plans and in preparation of such annual program budgets; and to consider such other matters related to West Valley site management and radioactive waste policy and nuclear coordination as the officers of the Authority may refer to the Committee.

Powers of the Committee

The Committee will:

- review the Authority's program and plans for management of the Western New York Nuclear Service Center, including the West Valley Demonstration Project, and for radioactive waste policy and nuclear coordination;
- review the preparation of the Authority's annual West Valley site management program and radioactive waste policy and nuclear coordination budgets;
- provide guidance to the Authority's officers and employees in the preparation of the plans and in preparation of such annual program budgets;
- consider such other matters related to West Valley site management and radioactive waste policy and nuclear coordination as the officers of the Authority may refer to the Committee;
- review the Authority's plans and provide guidance for the facilities unrelated to operations owned by or under the control of the Authority; and
- meet with and seek assistance from Authority staff as necessary.

The Committee shall have sufficient resources to carry out its duties.

Composition and Selection

The Committee shall be a standing advisory committee of the Authority. The Committee shall have not fewer than three nor more than six members, who shall be elected from among the Members of the Authority other than the Chair. A majority of these committee members shall be other than Members of the Authority who serve ex-officio. In addition, the membership of the Committee shall include the Chair of the Authority, who shall serve ex-officio and who shall enjoy all the rights and privileges of membership, including the right to vote. A majority of the members of the Committee then in office, not including the Chair of the Authority, gathered together in the presence of each other or through the use of videoconferencing, shall constitute a quorum, and the Chair of the Authority if present shall be counted toward a quorum.

The Members of the Authority will appoint the Chair of the Committee.

Meetings

The Committee will meet, as necessary, and special meetings may be called in accordance with the By-laws. Members of the Committee are expected to attend each committee meeting, in person or by video conference. The Committee may invite other individuals to attend meetings and provide pertinent information, as necessary.

Notices of meetings will be prepared in accordance with the By-laws and agendas and briefing materials will be prepared and provided to the Committee members. To the extent practicable, briefing materials will be provided to the Committee members not less than 5 business days prior to each meeting. Minutes of each meeting will be maintained in a central location at the Authority's principal office.

Meetings shall be conducted in accordance with the open meetings law.

Responsibilities

The Committee will be responsible for reporting to the Members on significant and material matters related to: (a) the Authority's program and plans for management of the Western New York Nuclear Service Center, including the West Valley Demonstration Project, and for radioactive waste policy and nuclear coordination; (b) the preparation of the Authority's annual West Valley site management program and radioactive waste policy and nuclear coordination budgets; (c) such other matters related to West Valley site management and radioactive waste policy and nuclear coordination as the officers of the Authority may refer to the Committee; and (d) the exercise of oversight over Authority facilities unrelated to operations that are either owned by or under the control of the Authority.

Review the Authority's program and plans for management of the Western New York Nuclear Service Center, including the West Valley Demonstration Project, and for

radioactive waste policy and nuclear coordination. The Committee will:

- receive and review reports from the Authority's officers and staff regarding the program and plans;
- recommend such revisions to the program and plans as the Committee deems necessary.

Review the preparation of the Authority's annual West Valley site management program and radioactive waste policy and nuclear coordination budgets. The Committee will:

- review drafts of the annual spending plan and the annual operating budget with respect to the West Valley site management and radioactive waste policy and nuclear coordination programs;
- recommend such revisions to these documents as the Members deem necessary;
- review any proposed revisions by the Officers to the operating budget with respect to the West Valley site management and radioactive waste policy and nuclear coordination programs.

Consider such other matters related to the Authority's programs within its jurisdiction as the officers of the Authority may refer to the Committee. The Committee will:

- receive reports on any other matters with respect to the West Valley site management and radioactive waste policy and nuclear coordination programs as the officers of the Authority may refer to the Committee and make such recommendations on such matters as the Members deem necessary.

Exercise oversight over Authority facilities unrelated to operations that are either owned by or under the control of the Authority:

- receive reports related to Authority facilities unrelated to operations that are either owned by or under the control of the Authority, and make such recommendations on such matters as the Members deem necessary.

Resolution No. _____

RESOLVED, the Audit and Finance Committee Charter, the Governance Committee Charter, the Program Planning Committee Charter, and the Waste and Facilities Management Committee Charter, as presented to the Members for consideration at this June 28, 2022 meeting, with such non-substantive, editorial changes and grammatical changes as the President and Chief Executive Officer, in their discretion, may deem necessary or appropriate, are approved.

New York State Energy Research and Development Authority

Operations, Accomplishments, Mission Statement, and Performance Measurement Annual Report

Fiscal Year Ended March 31, 2022

Final Report | June 2022



NYSERDA

NYSERDA's Promise to New Yorkers:

NYSERDA provides resources, expertise, and objective information so New Yorkers can make confident, informed energy decisions.

Our Vision:

New York is a global climate leader building a healthier future with thriving communities; homes and businesses powered by clean energy; and economic opportunities accessible to all New Yorkers.

Our Mission:

Advance clean energy innovation and investments to combat climate change, improving the health, resiliency, and prosperity of New Yorkers and delivering benefits equitably to all.

New York State Energy Research and Development Authority
Operations, Accomplishments, Mission Statement,
and Performance Measurement
Annual Report

Fiscal Year Ended March 31, 2022

Pursuant to Public Authorities Law Section 2800(1)

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1 NYSERDA

The New York State Energy Research and Development Authority (NYSERDA) is governed by a board consisting of 13 members, including the Commissioner of the Department of Transportation, the Commissioner of the Department of Environmental Conservation, the Chair of the Public Service Commission, and the President and CEO of the Power Authority of the State of New York, who serve ex officio. The remaining nine members are appointed by the Governor of the State of New York with the advice and consent of the Senate and include, as required by statute, an engineer or research scientist, an economist, an environmentalist, a consumer advocate, an officer of a gas utility, an officer of an electric utility, and three at-large members.

2 Mission, Vision, and Promise

Our Vision: New York is a global climate leader building a healthier future with thriving communities; homes and businesses powered by clean energy; and economic opportunities accessible to all New Yorkers.

Our Mission: Advance clean energy innovation and investments to combat climate change, improving the health, resiliency, and prosperity of New Yorkers and delivering benefits equitably to all.

Our Promise: NYSERDA provides resources, expertise, and objective information so New Yorkers can make confident, informed energy decisions.

3 Operational Changes and New Initiatives

This section begins with information on major clean energy policies that were enacted in 2021 and represent key drivers and context for NYSERDA's programs. This section continues to include a description of each new or significantly modified initiative in NYSERDA's portfolio, including several that build upon prior offerings.

3.1 Public Policy Context

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. The law created the Climate Action Council (the Council), which is tasked with developing a Draft Scoping Plan that serves as an initial framework for how the State will reduce greenhouse gas emissions and achieve net-zero emissions, increase renewable energy usage, and ensure climate justice. On December 20, 2021, the Council voted to release the Draft Scoping Plan¹ for public comment. January 1, 2022, marked the beginning of a comment period to receive feedback from the public as the Council works to develop and release a final scoping plan by the end of 2022. The Draft Scoping Plan scenarios advance several key strategies that are fundamental to achieving the emission limits including:

- Energy efficiency measures that achieve the Climate Act energy efficiency goal
- Transition from fossil fuels to electrification in buildings
- Zero emissions electricity
- Transportation electrification
- Enhancement of transit, smart growth, and reduced vehicle miles traveled (VMT)
- A transition to low-GWP refrigerants and enhanced refrigerant management
- Maximizing carbon sequestration in New York's lands and forests
- Eliminate fugitive methane emissions across the waste, agriculture, and energy sectors
- A diverse portfolio of solutions in industry, including efficiency, electrification, and limited and strategic use of low-carbon fuels and carbon capture technologies for certain industrial applications.

¹ <https://climate.ny.gov/-/media/Project/Climate/Files/Draft-Scoping-Plan.pdf>

Additionally, in the State of the State on January 5, 2022, Governor Kathy Hochul announced a plan to strengthen New York's renewable energy leadership and make a nation-leading \$500 million investment in offshore wind. This plan will directly invest in offshore wind manufacturing and supply chain infrastructure, create thousands of good-paying green jobs, deliver billions in economic impact, and generate enough energy to power millions of homes.

Governor Hochul's offshore wind plan will build on more than 6,800 direct high-paying jobs, a combined economic impact of \$12.1 billion statewide, and more than 4.3 gigawatts of energy, which is enough to power nearly 3 million New York homes, representing half of New York's 2035 goal. To cement New York's national leadership in offshore wind energy, Governor Hochul will:

- Invest \$500 million in critical offshore wind infrastructure
- Procure enough new offshore wind energy to power at least 1.5 million homes and create at least 2,000 new jobs
- Initiate planning for a future offshore wind transmission network to power 4 million New York City homes
- Launch the Offshore Wind Master Plan 2.0 Deep Water

Governor Kathy Hochul also announced a plan to achieve 2 million climate-friendly, electrified or electrification-ready homes by 2030 and proposed legislation to ensure that all new building construction reaches zero-emissions by 2027. This unprecedented commitment to curb building emissions, which cause more than one third of New York's climate pollution, will also ensure that more than 800,000 low-to-moderate income households can secure clean energy upgrades. Governor Hochul will also direct the Department of Public Service to ensure that gas utilities minimize investments in costly new gas infrastructure, promote alternatives to minimize gas demand, and engage members of disadvantaged communities fully and fairly in the gas transition. This commitment is part of the Governor's comprehensive agenda to decarbonize buildings in New York, which also includes bringing green energy solutions to over 1,000 public schools.

On March 24, 2022, the Governor announced that New York has signed a multi-state agreement, including with an initial group of 40 hydrogen ecosystem partners, to develop a proposal to become one of at least four regional clean energy hydrogen hubs designated through the federal Regional Clean Hydrogen Hubs program included in the Bipartisan Infrastructure Investment and Jobs Act. The New York-led consortium includes Connecticut, Massachusetts, and New Jersey – longstanding

leaders in hydrogen and fuel cell innovation, and key neighbors on the I-95 corridor – as the first out-of-state partners to join the regional effort, opening the door for future state additions. The announcement advances each States’ leadership in clean hydrogen infrastructure deployment and research and development and supports New York’s Climate Leadership and Community Protection Act goal to reduce greenhouse gas emissions 85 percent by 2050.

3.2 Large-Scale Renewables

In January 2020, NYSERDA submitted a petition with the Public Service Commission (PSC) requesting authority to conduct a 2020 solicitation for at least 1,000 MW of Offshore Wind Renewable Energy Credits, with flexibility to accept bids up to 2,500 MW. On April 23, 2020, the PSC issued an order approving NYSERDA’s petition. In its evaluation process, NYSERDA was required to consider the costs and benefits of procuring from a range of project proposals that may reflect a variety of project capacities and economic benefit proposals, including port infrastructure investments. In July 2021, NYSERDA issued the second solicitation² seeking to procure Offshore Wind Renewable Energy Certificates associated with 1,000 megawatts or more of offshore wind energy, coordinated with a potential \$400 million opportunity in public and private investments in port infrastructure.

In January 2021,³ NYSERDA selected two offshore wind projects for contract negotiation under its second solicitation for offshore wind, Empire Wind II and Beacon Wind from Equinor Wind US LLC (Equinor). Combined, the projects total nearly 2,500 megawatts and leverage almost \$3 of private funding for every \$1 of public funding for a combined \$644 million in investments for resilient port facilities in the Capital Region and Brooklyn.

In January of 2022, NYSERDA finalized OREC purchase contracts with Equinor for Empire Wind II and Beacon Wind. NYSEDA also commenced the permitting process for offshore wind tower manufacturing at the Port of Albany and Brooklyn Marine Terminal for a project staging facility.

² Purchase of Offshore Wind Renewable Energy Certificates; Request for Proposals ORECRFP20-1. <https://portal.nyscrda.ny.gov/servlet/servlet.FileDownload?file=00Pt000000OPfCVEA1>

³ NYSERDA 2021 Announcements. <https://www.nyscrda.ny.gov/About/Newsroom/2021-Announcements/2021-01-13-Governor-Cuomo-Outlines-2021-Agenda-Reimagine-Rebuild-Renew>

With this combined portfolio, NYSERDA has procured more than 4,186 MW with an additional 132 MW contributing to the grid via the LIPA procurement of the South Fork Wind project (a joint venture of Orsted and Eversource Energy). The South Fork Wind Farm received final permitting approval in early 2022, construction is under way, and it is expected to enter operation in late 2023, thus providing the first offshore wind generated electricity to New York State in 2023. This robust portfolio of offshore wind projects is currently supported by five State ports contributing to the localization of supply chain and economic benefits via two manufacturing facilities on the Hudson River—the Ports of Albany and Coeymans, a premier sixty acre staging and assembly port at South Brooklyn Marine Terminal, and operations and maintenance hubs at Port Jefferson and Port of Montauk on Long Island, NY.

The PSC’s 2020 CES Order established a new Tier 4 within the CES aimed to increase the penetration of renewable energy in New York City and thereby reduce reliance on fossil fuel generation in this densely populated area. NYSERDA issued its first Tier 4 solicitation in January 2021, which received bids from seven proposers for seven projects with 35 alternative configurations, representing nearly 7,500 megawatts of new renewable transmission capacity – nearly five times the capacity sought through the solicitation. In April 2022, the New York State Public Service Commission approved contracts with Clean Path New York LLC for its Clean Path NY project and H.Q. Energy Services Inc. for its Champlain Hudson Power Express project to deliver clean, renewable solar, wind and hydroelectric power from upstate New York and Canada to New York City. The selected projects are expected to deliver 18 million megawatt-hours of clean energy per year, or more than a third of New York City’s annual electric consumption, from a diverse and resilient clean generation portfolio including onshore wind, solar, and hydroelectric power, backed by energy storage, from upstate New York and Quebec.

3.3 NY-Sun

On April 14, 2022, the Commission issued an Order in response to the Distributed Solar Roadmap, which was filed jointly on December 17, 2021, by NYSERDA and the staff of the New York Department of Public Service (DPS). The Order extended NY-Sun’s goal from 6 GW of distributed solar by 2025 to 10 GW by 2030. It authorized an additional \$1,473 million in program funding to support the deployment of the incremental 4 GW. The Order included funding for additional base incentives for the Upstate Commercial/Industrial block design, and for residential and nonresidential base incentives in Con Edison territory, as well as funding for project incentive adders (including the Community Adder), and over \$251 million to expand the Solar Energy Equity Framework (SEEF). The Order also instituted a new prevailing wage requirement for projects larger than 1MW and authorized \$239 million in incentive funds to enable an industry transition to prevailing wage.

3.4 Equity for Disadvantaged Communities

The September 2021 CEF Order set a target for NYSERDA to achieve 40% of the benefits of investment across the entire CEF portfolio in disadvantaged communities (DACs). In early March 2022, New York State released draft Disadvantaged Community Criteria to advance climate justice. The Criteria were developed by the Climate Justice Working Group and will be subject to a 120-day public comment period before being finalized and applied to State programs. In the meantime, NYSERDA is increasing focus on DAC investments across the CEF portfolio: investing in capacity building and engagement within frontline and underserved communities through initiatives such as the Regional Clean Energy Hubs; prioritizing the funding of projects benefitting disadvantaged communities through initiatives such as NY Sun and the introduction of geographic eligibility through EmPower NY; and increasing investment in affordable housing. Through continued engagement with market actors serving disadvantaged communities and with input from residents, NYSERDA will continue to evolve sector strategies to maximize benefits to disadvantaged communities.

Consistent with discussions at Climate Justice Working Group and the Climate Action Council, NYSERDA expects that direct programmatic investments (dollars) in DACs will be the primary metric for compliance with the Climate Act investment mandate. Other co-benefit metrics beyond dollars invested will also be tracked and reported as part of a benefits framework that is currently under development by NYSERDA in collaboration with Department of Environmental Conservation, Department of Public Service and other state agencies and authorities. This framework is expected to be finalized so that the first benefits reporting can commence in late-2022. In the interim, NYSERDA has worked to increase the use of geo-coding of project-level investments in its portfolios, which will support ongoing management of the portfolio to meet the DAC investment target as well as accurate, transparent progress reporting.

3.5 Clean Energy Fund

During 2021, NYSERDA accomplished several key milestones related to the ongoing management of CEF portfolios, including the development of two new initiatives (EV Charging & Engagement and Natural Carbon Solutions) as well as modifications to several existing initiatives. This section describes

the evolution of the CEF portfolio, which began with the first initiatives introduced in 2016⁴ and continued to build in 2021.

The September 9, 2021, CEF Order adopted a set of revised, acquired-based targets (vs. the previous commitment-based targets) for CEF benefits to be achieved by 2025 and 2030. This change was adopted to place greater emphasis on putting money to work and acquiring benefits. The Commission found that this will further align the CEF metrics with those required of the investor-owned utilities for energy efficiency and building electrification programs, thereby making it easier to track our total progress across all ratepayer funded programs. Additionally, new targets were intended to align well with New Efficiency: New York expectations for energy savings, as well as Climate Act goals such as renewable energy.

In addition and pursuant to the Commission’s September 9, 2021 Order, NYSERDA prepared and filed the first “Compiled Investment Plan” (CIP) in accordance with the Department of Public Service Staff (Staff) guidance and in keeping with the Commission’s priority to “clearly describe a sound investment strategy identifying the level of funding over the period the activities will be undertaken, the projected outcomes/milestones, and how NYSERDA plans to verify the outcomes, and the impact of the various initiatives.” The CIP evolved from the former investment plan format which contained 27 Chapters and nearly 1,000 pages of plan content. The new format organizes NYSERDA’s Market Development and Innovation & Research initiatives into Focus Areas (sectors or strategic groupings of sectors) and streamlines the content to make it easier for stakeholders to understand NYSERDA’s investments and expected outcomes.

The following sections provide a description of significant changes proposed or approved in the reporting year, although some, but not all, have been launched in this period.

3.5.1 Buildings Innovation

NYSERDA’s Buildings Innovation work is focused on accelerating the development and commercialization of innovative solutions that enable carbon neutral buildings in New York State – that is, buildings that are highly energy efficient, use low-to-no-carbon fuels, and are capable of interacting with the current and future electric and thermal energy grids. This focus area addresses

⁴ <http://documents.dps.ny.gov/public/Common/ViewDoc.aspx?DocRefId={B23BE6D8-412E-4C82-BC58-9888D496D216}>

both existing and new buildings. Climatetech Commercialization Support was previously filed within the broader scope of the CleanTech Startup Growth initiative, which has been split into four smaller initiatives to improve clarity for stakeholders. In addition to supporting the Buildings Innovation focus area, Climatetech Commercialization Support also supports the Technology to Market focus area. The initiative previously approved as NextGen HVAC has been renamed NextGen Buildings. The initiative was modified in 2022 to add an additional \$20 million to fund a Building Envelope and Thermal Storage scope to this initiative. This initiative also supports a new Intelligent Buildings program.

3.5.2 Clean Heating and Cooling

Clean heating and cooling (CH&C) technologies have the potential to contribute significantly to the decarbonization of the heating and cooling sector. Benefits to customers who implement clean heating and cooling technologies include energy bill savings, increased comfort levels, and health benefits, compared to conventional heating and cooling technologies. Activities within this plan (specifically Community Campaigns and Clean Thermal District Systems) seek to increase viable and scalable solutions for electrifying homes in disadvantaged communities while addressing energy affordability, institutional barriers unique to affordable housing, and consumer protections. The Heat Pumps Phase 1 (2017) initiative is now inactive with funding reduced to by \$8.3M; \$6.8M has been shifted to Heat Pumps Phase 2 to support Consumer Awareness and Critical Tools Development with another \$1.5M to be used for future programming needs. \$6M in funding for Community Campaigns within Heat Pumps Phase 2 (2020) has been shifted to Regional Clean Energy Hubs to support Electrification campaigns under this Low-to-Moderate Income Focus Area plan. The results of all budget changes to Heat Pumps Phase 2 (2020) is a net increase of \$0.8M.

3.5.3 Clean Transportation Innovation

The Clean Transportation Innovation focus area seeks to support the development and demonstration of new technologies, policies, and strategies to reduce greenhouse gas emissions from the transportation sector and to gain market traction for these products. Activities are designed to harness stakeholders' creative solutions to New York State's transportation energy use challenges, facilitate the development of these solutions into products or services that are commercially viable, demonstrate their benefits to critical stakeholders, and research, identify solutions for and resolve any barriers to adoption that might

prevent these solutions from being adopted. The Electric Vehicle Innovation initiative added \$8 million of funding in 2021 for a project to be selected through the New York Clean Transportation Prizes program and later added \$12M in 2022 to fund new activities regarding medium- and heavy-duty vehicle electrification, managed charging, and EV policy development.

3.5.4 Codes, Standards, and Other Multisector Initiatives

This focus area encompasses a portfolio of multisector initiatives that include both regulatory efforts and market and utility innovation efforts, both of which focus on approaches that can scale building decarbonization in New York. Pre-investment strategy work and research is also conducted under this focus area benefiting all Market Development efforts. The regulatory initiatives include building codes, product standards, existing building performance standards, and reporting requirements. Pre-investment strategy work and research is also conducted under this focus area benefiting all Market Development efforts. Collectively these initiatives are critical to achieve decarbonization of buildings in an environment where fossil fuel systems are readily available and inexpensive in comparison to those that use electricity. The regulatory initiatives are intended to grow the size and scale of the market for heat pumps, geothermal systems, high-performing building envelopes, and other key clean energy technologies, by constraining the business-as-usual market for inexpensive fossil fuel heating and encouraging installation of electric technologies and other efficiency actions particularly at the time of replacement.

The “Code to Zero” initiative has been renamed “Codes and Standards for Carbon Neutral Buildings,” adding \$36 million to extend codes and standards work to future code cycles and address additional work identified by the Climate Action Council. The Information Products and Brokering initiative’s budget has been reduced by \$3 million to redeploy this funding towards other Market Development priorities. As such, the scale of web-based tools to support customer targeting and customer value proposition has been adjusted appropriately. Product and Appliance Standards has been allocated an addition \$4 million to extend its work and improve coordination with the federal government and other states.

3.5.5 Energy Focused Environmental Research

Since its inception in 1998, NYSERDA’s Energy Focused Environmental Research work has provided sound, current, scientific research to inform decision-making relevant to energy-related environmental policies and goals. NYSERDA relies upon its Program and Science Advisors, a network of professional contacts and topically developed working groups of science, policy, and in some cases, industry experts,

to identify critical gaps and research needs in New York State. These individuals and entities provide guidance on the major issues and challenges associated with achieving energy proposed or adopted energy policies and provide cutting-edge scientific understanding of how research can be designed to inform the policies. An additional \$10 million in funding has been added to Energy-Related Environmental Research to support ongoing research.

3.5.6 Grid Modernization

NYSERDA's Grid Modernization focus area invests in technologies, tools, and processes that accelerate realization of a reliable, resilient, and equitable electric grid that is necessary to achieve New York State's Climate Act goals. NYSERDA also invests in solutions to drive customer engagement, grid and microgrid resilience, alternative ownership models, and other investments required to support the goals of the Climate Act. The State's investment in innovation is needed to optimize, validate, standardize, and replicate these solutions for widespread deployment in the market. The initiative previously filed as High-Performing Electric Grid has been broken out to improve clarity for all stakeholders. Two initiatives, Future Grid Performance Challenges and Grid ClimateTech Ready Capital, were previously filed as a component of the "High Performing Grid" initiative and now have separate plans. The High-Performing Electric Grid initiative remains, now with a refined scope in association with the other two initiatives.

3.5.7 Multifamily Residential

The multifamily market is highly varied, fragmented, and complex. Variations include the age of the buildings, state of repair, energy performance, ownership and decision-making structures, energy cost/consumption accountability and control, housing regulations, and the complexity or simplicity of building systems. New York State's existing multifamily building stock houses 24% of the State's population, comprised of 2.5 million dwelling units—1.7 million affordable (66%) and 0.8 million market-rate—and accounts for 21% of the State's energy consumption. Most housing units are in the New York City metropolitan area and therefore subject to greenhouse gas emissions limits under NYC's Local Law 97 of 2019.

Serving the affordable multifamily market is a top priority for NYSERDA. In July 2020, NYSERDA and New York State's investor-owned utilities jointly announced the Statewide Low- and Moderate-Income (LMI) Portfolio Implementation Plan a collaborative partnership and investment of nearly \$1 billion through 2025 to increase access to energy efficiency and clean energy solutions for

low-to-moderate income (LMI) households and affordable multifamily buildings, through new, streamlined LMI incentive programs, community-based outreach and capacity building, and other resources. NYSERDA has increased funding for the LMI Multifamily initiative, investing in “direct injection” partnerships with Housing Agencies.

The Multifamily initiative has been renamed Multifamily Low Carbon Pathways and the funding for this initiative has been reduced by \$12.5 million to reflect pilot scope of work that did not advance.

3.5.8 Negative Emission Technologies

Negative Emission Technology (NET) describes approaches that remove carbon dioxide emissions from the atmosphere and includes engineered and nature-based solutions. Examples include carbon storing products, such as for buildings that increase energy efficiency, and potentially achieve net negative emissions with natural or engineered sequestration. The CarbonTech Development was previously filed under the “CleanTech Startup Growth” initiative. It has been added to this focus area as it is partially funded by and serving Negative Emissions Technology. The Natural Carbon Solutions initiative was initially developed by NYSERDA in 2021 and formally introduced for approval in 2022 with a budget of \$12.5 million. Once approved, this initiative will support demonstrations that have the potential to lead to larger scale-up and follow-on investment in New York State, while de-risking novel approaches and leveraging federal and other funding sources in the process. This initiative leverages solutions from agriculture, forestry, and waste sectors for low-carbon building products, low carbon fuels for heating and distributed power generation. The CEF funding here will also leverage companion Regional Greenhouse Gas Initiative (RGGI) funds.

3.5.9 Renewable / Distributed Energy Resources

The significant increase in renewable deployment necessary to achieve the CES goals requires a focused effort to reduce all system cost components. As capital costs continue to decline for many clean energy technologies, further cost efficiencies must be achieved by reducing non-equipment costs, referred to as soft costs, or balance-of-system (BOS) costs. These include inefficient and inconsistent local regulations; one-time costs such as land siting, interconnection, and environmental studies; and ongoing costs such as customer acquisition and management. The Reducing Barriers to Distributed Deployment initiative’s

budget and scope have been modified to free up funding for other strategic energy storage priority work currently under development. However, this initiative will continue funding cost-shared studies. The Fuel Cells initiative's budget has also been reduced as some project attrition is expected as this initiative winds down.

3.5.10 Renewables Optimization

The initiatives in this focus area will improve the economics for renewable and distributed energy resources by addressing technical barriers, as well as advancing renewable technologies that have potential to drive large-scale greenhouse gas reductions, improve grid resiliency, and contribute to New York State's renewable generation and decarbonization objectives. The Energy Storage Technology and Product Development initiative is redeploying existing funding and adding \$6.5 million in funding to focus on long duration storage efforts going forward.

3.5.11 Technology to Market

NYSERDA seeks to support a vibrant climate technology innovation ecosystem that will enable the maturation and scale of new startup ventures and innovative solutions designed for decarbonization outcomes that can directly benefit New York State. NYSERDA also seeks to inform regulation and policy with the latest breakthrough and achievements in climate innovations. The activities in this NYSERDA focus area will benefit many ecosystem actors with emphasis on early-to-mid stage companies, investors, manufacturers, entrepreneurs, solution adopters, and policy makers and regulators. We seek to impact these groups through our activities that advance the maturity of climate technologies in alignment with NYSERDA's ambitious climate goals. The initiative previously filed as "CleanTech Startup Growth" has been split into four smaller initiatives to improve clarity for stakeholders. Some of this work now also supports the Buildings Innovation and Negative Emissions Technology focus areas. The nature of the work being executed in these four newly stated initiatives is consistent with what was previously approved. The initiatives are now called: Climatetech Commercialization Support, Catalytic Capital for Climatetech, Climatetech Expertise and Talent, and Carbontech Development. Climatetech Commercialization Support is adding \$10 million to expand Incubator efforts, and Climatetech Expertise and Talent is adding \$4.6 million to support continued Entrepreneur-in-Residence efforts. Furthermore, the Manufacturing Corps initiative is adding \$5 million in funding to expand upon the successful engagements thus far.

3.5.12 Transportation

The Transportation Market Development focus area seeks to support further market adoption of new technologies and strategies to reduce greenhouse gas emissions from the transportation sector and to gain market traction for these products. Activities are designed to resolve market barriers holding back the adoption of clean transportation technologies and strategies and provide financial support for the adoption of these clean transportation activities. The EV Charging & Engagement initiative was introduced in 2022 for \$7.2M to launch a Level 2 EV charging station rebate program targeting workplace, multi-unit dwellings, and public disadvantaged community charging stations – locations where Level 2 EV charging stations are most likely to lead to more EV adoption and where they are in lowest supply.

4 Program Accomplishments

NYSERDA’s activities are focused on achieving the five strategic goals/outcomes titled, Efficient Use of Energy, Renewable and Diverse Energy Supplies, Clean Energy Economy, A Cleaner Environment, and Contract and Cycle Time/Accessibility, as shown in Table 1. NYSERDA’s 2021 accomplishments are organized and reported in alignment with these five strategic outcomes. The accomplishments are stated in a cross-program manner, and notably, include results spanning pre-CEF and CEF initiatives.

Table 1. Mission, Vision, Outcomes

Mission	Advance innovative energy solutions in ways that improve the State’s economy and environment.				
Vision	Advance clean energy innovation and investments to combat climate change, improving the health, resiliency, and prosperity of New Yorkers, and delivering benefits equitably to all.				
Stakeholders	New York State energy users, businesses, and institutions engaged in the clean energy economy.				
Core Value	NYSERDA will serve as a source of objective, credible information.				
Strategic Goals/Outcomes	Efficient Use of Energy NYSERDA reduces market barriers and spurs demand for energy solutions that reduce the energy consumption and increase the energy efficiency of New York State’s residents and businesses.	Renewable and Diverse Energy Supplies NYSERDA diversifies New York State’s portfolio of energy resources by accelerating development of renewable and distributed generation resources.	Clean Energy Economy NYSERDA catalyzes technology innovation, new business opportunities, and private investment in clean energy in New York State.	A Cleaner Environment NYSERDA enables markets for new clean energy products and services that can produce meaningful reductions in the environmental impact of energy production and use.	Contract and Cycle Time, Accessibility NYSERDA is responsive to customer needs by delivering accurate and timely information, services, and programs.

Tables 2 through 7 provide performance information for each of the five outcomes, including data that describes NYSERDA’s annual incremental commitment performance for calendar year 2021, cumulative commitments through December 2021, and the total cumulative acquired progress achieved through December 2021.

Targets for calendar year 2022 are also provided for performance measures, when possible. NYSERDA’s targets are expressed on an acquired basis (i.e., having to do with when funds are expended, and projects completed). Acquired targets place a greater emphasis on putting money to work in the market and completing projects in a timely manner.

Each metrics table contains two columns on the left side representing a commitment-based view and four columns on the right side representing the acquired-based view.

- The column **Cumulative Committed Benefits at End of 2020** represents NYSERDA's total benefits expected from projects committed through 2020, representing the prior year pipeline.
- The column **Cumulative Committed Benefits at End of 2021** represents NYSERDA's total benefits expected from projects committed through 2021, representing the current pipeline.
- The column **Acquired Target CY 2021 Addition** represents NYSERDA's expected target for new acquired benefits achieved during the calendar year.
- The column **Acquired Achieved CY 2021 Addition** represents NYSERDA's actual progress for new acquired benefits achieved during the calendar year.
- The column **Acquired Total Cumulative at end of 2021** represents the total benefits NYSERDA achieved from projects that have been completed through 2021.
- The column **Acquired Target CY 2022 Addition** represents NYSERDA's expected target for new acquired benefits achieved during the calendar year.

The quantitative performance measurement data are supplemented with contextual information, as needed and when available, and highlights of additional 2021 accomplishments.

While the listed targets and performance measures are used to evaluate NYSERDA's progress toward goals, many of the measures are influenced by factors that are out of NYSERDA's direct control, such as economic conditions, changes in energy markets and prices, and federal and State policy and funding decisions. The measures are intended to serve as good indicators of progress in the context of these external factors.

As the New York State and the entire nation continued to feel the lasting impact from the pandemic and related economic effects during 2021, manufacturing, shipping and workforce capacity issues have all led to increased construction costs and timelines. Supply chain disruptions have resulted in restricted supply and thus increase costs for equipment and consumer goods while contractors are experiencing challenges finding qualified labor, leading to cost increases on construction projects. Additionally, project timelines are also increasing due to these issues. While NYSERDA programs have not been immune to these near-term economy-wide disruptions, clean energy projects are still proceeding toward the State's long-term goals.

Table 2 presents NYSERDA's progress toward the efficient use of energy performance measures.

During 2021, performance against energy efficiency delivery targets shown in Table 2 exceeded the target for fossil fuel saved but fell short for electricity and therefore energy bill savings. The majority of the electricity savings shortfall can be attributed to three CEF transition programs, which have now committed all their funding and closed, but that experienced significant project completion delays due to supply chain disruptions and contractor labor shortages. These projects are expected to be completed in 2022 and are reflected in the 2022 targets, however a degree of uncertainty remains in terms of the future economic environment and supply chain constraints. NYSERDA is committed to driving progress towards NYS's clean energy goals and will continue to monitor the State's economic recovery and make programmatic adjustments as needed.

2021 targets included only the direct energy-efficiency impacts acquired in the calendar year in order to most accurately reflect the effectiveness of NYSERDA operations to support projects and provide immediate benefits to participants. 2022 targets are set on the same basis. Reporting of total cumulative acquired benefits also include indirect energy-efficiency impacts brought about by market transformation as they are quantified.

Table 2. Performance Measures—Efficient Use of Energy

Performance Measures	Commitment Pipeline		Acquired Benefits			
	Total (Cumulative) End of CY 2020	Total (Cumulative) End of CY 2021	Target CY 2021 Addition	Achieved CY 2021 Addition	Total (Cumulative) End of CY 2021	Target CY 2022 Addition
Electricity^{a,b} (GWh) saved annually due to improved energy efficiency in New York State's buildings and facilities.	1,860	1,671	501 ^c	383	8,883 ^d	578
Fossil Fuels^{a,b} (MMBtu) saved (in millions) annually due to improved energy efficiency in New York State's buildings and facilities.	7.1	6.2	2.2 ^c	2.3	26.2 ^d	3.6
Energy Bill Savings Annual direct energy bill savings realized by participating customers (all programs).	\$313	\$261	\$95	\$81	\$1,684 ^b	\$65 ^e

^a The system benefit charge (SBC) was authorized in 1998 and NYSERDA began programs the following year. Substantial installations had taken place beginning in 2001 and based on an average 16-year measure life, NYSERDA's 518 GWh and 1.2 million MMBtu installations will be "retired" in 2021. These amounts and the associated emission reduction and customer bill savings have been netted out of the Total Cumulative End of CY 2021 values reported.

^b All energy savings values are gross, i.e. not reflecting adjustments made through evaluation, measurement and verification.

^c Targets have been adjusted to include only anticipated direct energy-efficiency impacts acquired in the calendar year. Reporting of total cumulative acquired benefits includes indirect energy-efficiency impacts brought about by market transformation as they are quantified.

^d Approximately 587 GWh and 700,000 MMBtus in indirect impacts quantified through evaluation studies in 2021 have been included in the Total Cumulative End of CY 2021 totals.

^e Department of Public Service implemented new bill savings factors for CEF reporting effective 1/1/2022

Table 2a. Comparison Points—Efficient Use of Energy

Comparison Points	
Electricity (GWh)	2020 statewide annual sales of electricity—140,407 GWh ^a
Fossil Fuels (MMBtu)	2019 statewide annual (residential, commercial, industrial) natural gas and petroleum usage—1,213 million MMBtu ^a
Number of New York State households served	2020 occupied housing units in NYS—7,417,224 ^b
Number of commercial and industrial customers served	2020 business establishments in NYS—537,369 ^c

^a NYSERDA, Patterns and Trends, Energy Information Administration (EIA), 2022

^b American Community Survey

^c U.S. Census Bureau: State and County Quickfacts

Additional highlights for Efficient Use of Energy:

- Since 1998, NYSERDA-administered energy efficiency programs have saved enough electricity to power more than 1.61 million homes each year and enough natural gas, propane, oil, and other heating fuels to heat 381,000 homes each year.
- More than 985,000 households and 46,600 commercial, industrial, and institutional customers reduced their energy use and annual energy bills by participating in NYSERDA programs since 1998.

The contribution from renewable energy resources to meet New York State’s electric load rose to 27.4 percent in 2020 from the adjusted 2014 baseline of 25.3 percent, an overall increase of 1.7 percent.

Table 3 presents NYSERDA’s progress toward the renewable and diverse energy performance measures. Under the CES, NYSERDA was ordered to conduct regularly scheduled solicitations for the long-term procurement of qualifying renewable energy certificates (REC) to achieve anticipated and minimum results for the years 2017–2021. In January of 2020, the Public Service Commission (PSC) amended the form of NYSERDA’s Renewable Energy Standard (RES) procurements by formally adopting the Index REC price structure to NYSERDA’s land-based, large-scale renewable procurements, which was offered for the first time under its 2020 request for proposal. The 2020 RES solicitation was the first to utilize an innovative contract structure whereby awarded contracts receive a floating payment for their renewable energy certificates. This payment moves inversely to an index comprised of market energy and capacity prices. This method is supported by the project development and finance community and provides greater revenue certainty while reducing cost impacts to ratepayers.

The fifth RES solicitation was issued in April 2021 and was the first to seek an expanded target of 4.5 million RECs per year to support the Tier 1 procurement trajectory identified in the CES White Paper and achieve the Climate Act target of 70% renewable energy by 2030. The results of the fifth RES solicitation are expected to be announced in second quarter of 2022. 2021 actual renewable energy production delivered to the wholesale market fell somewhat short of target (92 percent) due to renewable energy credit reforecasting of expected generation for the one facility that became operational in 2021.

Also shown in Table 3, renewable energy production from on-site installations and solar PV capacity exceeded the targets due NY-Sun commitments in 2021 that were significantly greater than expected, resulting in greater project completions than expected. The NY-Sun commitments were driven primarily by the State’s expanding community solar market. In 2021, NYS completed the most community solar projects in the country. In December 2021, NYSERDA and DPS jointly filed the Distributed Solar Roadmap, proposing a pathway toward an expanded statewide target of 10GW of distributed solar by 2030.

Table 3. Performance Measures—Renewable and Diverse Energy

Performance Measures	Commitment Pipeline		Acquired Benefits			
	Total (Cumulative) End of CY 2020	Total (Cumulative) End of CY 2021	Target CY 2021 Addition	Achieved CY 2021 Addition	Total (Cumulative) End of CY 2021	Target CY 2022 Addition
Renewable resources electricity produced						
1) Annual Electricity Production (GWh) delivered to wholesale power market from incentivized installations ^{a,b}	30,530	47,743	250	229	2,320	228
2) Annual Electricity Production (GWh) from on-site installations	2,631	3,291	606 ^c	663	3,401	821
Solar PV capacity (GW) from all NYSERDA funded solar PV programs, including NY-Sun 6 GW goal^b	2.1	2.5	0.5	0.56	2.7	0.7

^a Amount is net of any NYSERDA-contracted facilities which have reached their terminus year, after which NYSERDA no longer has the rights to claim the attributes of their generation.

^b NYSERDA does not, by filing this report, make any claim to the environmental attributes associated with the megawatt-hours. NYSERDA has relinquished all such rights and disavows any and all rights to any environmental claims or renewable energy to which it had made claims under previous policies.

^c Target has been adjusted to account for program benefits that overlap with each other to avoid double counting.

Table 3a: Comparison Points—Renewable and Diverse Energy

Comparison Points	
New York Load Served by Renewables ^a	2020 Renewable Energy Serving Load—27.4% (40,572 GWh)

^a CES Annual Progress Report—2020 <https://documents.dps.ny.gov/public/Common/ViewDoc.aspx?DocRefId={FAA057E2-4684-440A-BF60-AED5E49D5640}>

Additional highlights for strategic goal/outcome Renewable and Diverse Energy supplies:

- NYSERDA is currently supporting 148 large-scale renewable generation projects representing 9,072 MW of renewable generation capacity. There are 41 facilities operating with the remainder of the projects under design and construction.
- NYSERDA is currently supporting four offshore wind generating projects, which are both under design and construction, and once operating will represent 4,230 MW of renewable capacity.
- NYSERDA is also supporting two Tier 4 projects aimed to increase the penetration of renewable energy in New York City and leverage the State’s existing robust contracted and awarded pipeline of large-scale renewable energy, comprised of nearly 100 solar, land-based and offshore wind projects totaling 12,300 MW of clean power—enough to power over six million New York State homes when completed.
- NYSERDA’s Retail Energy Storage Incentive program, launched in 2019, achieved several important milestones during the 2021 reporting period. Nine retail projects were completed in 2021, with a combined rating of 22.7MW and a capacity of 67.4MWh. The Long Island Commercial Storage Block became fully allocated in October 2021, with awards issued to seven projects, with a combined rating of 9.1MW and a capacity of 47.3MWh. A fourth block of New York City incentives was launched and quickly allocated in July 2021, supporting 18 additional projects with a combined rating of 78.0MW and a capacity of 277.4MWh.

Table 4 presents NYSERDA’s progress toward the clean energy economy performance measures. The 2021 target for leveraged funding was exceeded, primarily due to overachievement of the above target for on-site production, specifically through the significant investment in solar PV capacity.

Table 4. Performance Measures—Clean Energy Economy

Performance Measures	Commitment Pipeline		Acquired Benefits			
	Total (Cumulative) End of CY 2020	Total (Cumulative) End of CY 2021	Target CY 2021 Addition	Achieved CY 2021 Addition	Total (Cumulative) End of CY 2021	Target CY 2022 Addition
Total funding leveraged from all NYSERDA investments (\$billions) ^{a,b}	\$31.5	\$32.3	\$1.7	\$1.7	\$19.6	\$2.3

^a NYSERDA’s data set for leveraged funds began in 2010.

^b Data collection for leveraged funds associated with NYSERDA’s Technology and Business Development programs is an ongoing effort and the reported values included in this figure represent incomplete data that will be supplemented in future years.

Additional highlights for Clean Energy Economy:

- As a component of the leveraged funding presented in Table 4, NYSERDA’s investment in technology and business development has leveraged \$1.2 billion in 2021 for a total of \$2.4 billion through the end of calendar year 2021.
- As a result of NYSERDA’s technology and business development investments:
 - There are more than 656 new and improved clean energy products in the market (including 93 new products added in 2021) in all end-use energy sectors from high efficiency furnaces to advanced lighting controls and hybrid electric buses.
 - There are 90 new clean energy products currently in development with support from NYSERDA.
 - Annual sales of products developed with NYSERDA support have reached approximately \$2,523 million⁵.
 - There are currently 95 clean energy businesses receiving financial support.
- NYSERDA’s incubator program, which supports six cleantech incubators across the State, assisted 374 clients and helped these startups raise more than \$1.85 billion in private and non-NYSERDA public investment, while generating and retaining 2,196 jobs and bringing dozens of new clean energy and clean technology products to the market.

Table 5 presents NYSERDA’s progress toward cleaner environment performance measures. The 2021 achieved carbon reductions fell slightly short of target (95 percent) mainly due to the shortfall in acquired electricity savings benefits described earlier.

Table 5. Performance Measures—A Cleaner Environment

	Commitment Pipeline	Acquired Benefits
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⁵ Total annual sales decreased to correct sales information reported to NYSERDA in prior periods.

Performance Measures	Total (Cumulative) End of CY 2020	Total (Cumulative) End of CY 2021	Target CY 2021 Addition	Achieved CY 2021 Addition	Total (Cumulative) End of CY 2021	Target CY 2022 Addition
CO ₂ equivalent emission reductions (in millions) due to NYSERDA's energy efficiency, renewable, and diverse energy programs (annual metric tons) (All programs)	17.65	19.95	0.75 ^a	0.71	9.54	1.07

^a Targets have been adjusted to include only anticipated direct energy-efficiency impacts acquired in the calendar year. Reporting of total cumulative acquired benefits includes indirect energy-efficiency impacts brought about by market transformation as they are quantified and to account for program benefits that overlap with each other to avoid double counting.

Table 5a. Comparison Points—A Cleaner Environment

Comparison Points	
CO ₂ emission reductions ^a	2019 annual NYS power sector emissions—21 million metric tons CO ₂

^a (1) U.S. Energy Information Administration. "Table 3. 2019 State energy-related carbon dioxide emissions by sector." <https://www.eia.gov/environment/emissions/state/>. Includes emissions from in-state power generation only. GHG emissions associated with imported power as well as the upstream impacts of fossil fuel extraction, processing, and transportation are being assessed in collaboration with DEC as part of a separate GHG emissions reporting process established by the Climate Act.

Energy-related environmental policies in 2021 informed by NYSERDA reports/studies:

- In response to stakeholder concerns, the Environmental Research Program initiated an effort to understand and balance agricultural lands and practices with advancing renewable energy development. This included supporting a series of research projects to understand the implications of solar development on agricultural lands and practices and the formation of an Agricultural Technical Working Group to inform additional actions. These actions include the development of a smart solar siting scorecard that prioritizes avoiding valuable agricultural land and minimizing impacts through the implementation of design and management strategies that are most protective of these resources.
- The Environmental Research Program continued to support projects focused on monitoring methane and other greenhouse gases from compressor stations, landfills, and other sources. These build on the existing network of long-term monitors that will assist in developing and refining NYS's inventory in support of New York's Methane Reduction Plan.

- An Integrated-Duty Cycle (IDC) test protocol for cordwood stoves was approved by US EPA as a Broadly Applicable Alternative Test Method for certifying stoves in 2020. The IDC protocol was developed with support from the Environmental Research Program and evaluates efficiency and emissions performance under more realistic in-use conditions than EPA’s current test protocol. NYSERDA continues to support EPA in their acceptance testing of the IDC methods for residential wood heaters.
- The Environmental Research Program supported the development of the Zip Code-Level Air Pollution Policy Assessment (ZAPPA) tool to model the air pollution concentration at neighborhood scales in NYC and estimate and monetize the resultant health effects.
- The Environmental Research Program worked with the Fisheries Technical Working Group to develop a draft fisheries compensation overview document to advance a fair and equitable fishing compensation plan for impacts that cannot be avoided, minimized, or reasonably mitigated.
- The Environmental Research Program initiated projects focused on monitoring marine mammal presence and environmental conditions in the New York Bight Offshore Wind Energy Lease Areas. Biological and environmental concerns will be addressed by these surveys, further supporting the responsible development of offshore wind.

Tables 6 and 7 present NYSERDA’s progress toward the contract and cycle-time performance measures, which NYSERDA assesses in terms of invoice payment and contract processing timelines. NYSERDA maintained its long-standing record of strong performance regarding prompt payment of invoices. Contract cycle time also shows strong performance, consistent with prior years and meeting all targets set for 2021. Contract cycle time has seen a reduction over the years in cycle times across most solicitation types. This can be attributed to the many improvements made and continuous monitoring of solicitation and contract status on a monthly basis, which help NYSERDA ensure efficiency while appropriately managing risk.

Table 6. Performance Measures—Contract and Cycle Time (Invoicing)

CYCLE TIME—INVOICING					
<i>NYSERDA is responsive to customer needs—delivering accurate and timely information, services, and programs.</i>					
Performance Measures	CY 2019	CY 2020	TARGET CY 2021	CY 2021	TARGET CY 2022
Invoice payment:					
1) Number of invoices paid within 30 days	79,756 invoices	71,440 invoices	***a	93,599 invoices	***a
2) Percent of payments made within 30 days	99.99%	99.99%	100%	99.99%	100%

^a The measure will be monitored and reported but a target has not been set. NYSERDA elected not to establish a target in cases where the measure is a function of a parameter that cannot be reliably predicted (e.g., energy costs) or in cases where the metric is new to NYSERDA.

Table 7. Performance Measures—Contract and Cycle Time (Solicitations)

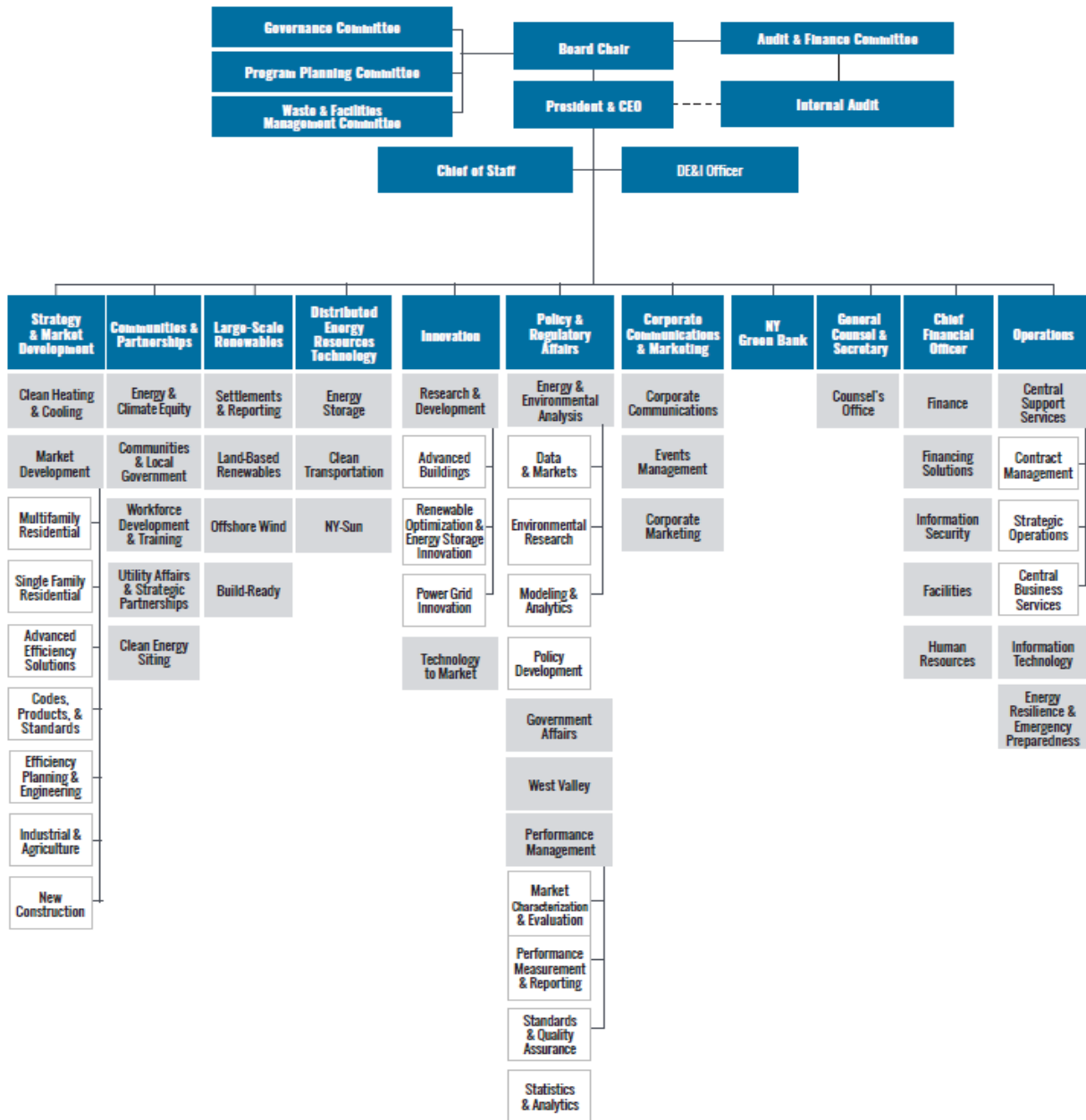
<u>CYCLE TIME—CONTRACTS</u>				
<i>NYSERDA is responsive to customer needs—delivering accurate and timely information, services, and programs.</i>				
Performance Measures	CY 2020 Median Total No. of Weeks	Target CY 2021	CY 2021 Median Total No. of Weeks	Target CY 2022
Contract Processing Time—Median time to Process (Weeks):				
1) Due Date Solicitations	29	30	30	30
2) Open Enrollment and Task-Work Orders	2.29	2	1.57	2
3) Open Enrollment (Automated) ^a	0.43	1	0.14	1
4) All Other Actions (Direct Contracts and Contract Modifications)	1.29	2	1.21	2

^a The contracting process for Residential NY-Sun projects has been automated, leading to reduced cycle times. As these processes are fundamentally different than other open enrollment solicitations, we have broken them out into their own category.

5 Program Units

This section includes NYSERDA’s program units, as represented on the organization chart below. Each unit includes a brief overview. The organization units not described in this section but included on the organization chart are operational and administrative rather than program units.

Figure 1. NYSERDA Organizational Structure



5.1 Communities and Local Government

The Communities and Local Government unit provides a unified approach toward local energy action to better serve local communities' needs and to advance clean energy policies and practices statewide. The program is intended to implement a common framework that enables communities to embed clean energy into their planning, help facilitate and prioritize implementation, and recognize/showcase community energy and sustainability actions.

5.2 Multifamily Residential

The Multifamily Residential unit works to overcome market barriers in the multifamily sector (residential structures containing five or more dwelling units), pursuing strategies to create awareness and demand for energy-efficient and high-performance buildings; increase market capacity to deliver energy services; stimulate consumer demand for energy and environmentally friendly buildings through clear and widely used labeling; expand the pool of trusted energy professionals serving the needs of multifamily building owners by increasing their technical skill sets and tools; demonstrate viability of deep energy retrofits in multifamily affordable housing stock; and further the emergence of performance contracting.

5.3 Single-Family Residential

The Single-Family Residential unit works to overcome market barriers towards the development of a robust, self-sustaining, market-based energy efficiency industry for the existing homes sector (residential structure containing one to four dwelling units) and facilitates the growth of demand for energy services.

5.4 Workforce Development and Training

The Workforce Development and Training unit enables workforce development and training where the lack of a trained workforce inhibits growth in a particular energy industry, or where training is needed to perform critical functions; establishes energy training as a permanent and sustainable part of the community infrastructure; and enables growth of jobs in disadvantaged communities.

5.5 Advanced Efficiency Solutions

The Advanced Efficiency Solutions team is a cross-sectoral group whose primary goal is to accelerate the adoption of energy efficiency and electrification in buildings by increasing private sector investment in building decarbonization technologies and services. Initiatives run by the Advanced Efficiency Solutions team advance commercially available energy efficiency, electrification, and load flexibility solutions that deliver carbon reductions. This team is focused on engagement with large building portfolio owners and leveraging solutions within and across their portfolios.

5.6 Codes, Products, and Standards

The Codes, Products, and Standards team promotes energy efficiency across sectors through regulatory and supply chain interventions. The team supports building energy code advancement, education, and compliance, working with actors across the construction market, including building owners, developers, and elected officials, with a goal of promoting zero carbon or even net-carbon positive building performance. The team also drives the promotion of improved product and appliance standards, along with the adoption and expansion of building energy and water benchmarking. The team continues to find ways to improve the efficiency and success of program delivery models, including the promotion of a statewide supply chain.

5.7 Efficiency Planning and Engineering

The Efficiency Planning and Engineering Team is an inter-disciplinary group with the primary goal of increasing clean energy investment in commercial buildings. To accomplish this objective the Team engages with commercial stakeholders, sector organizations, service providers and customers to deliver monetary and informational incentives. This team manages the multi-sector Technical Services platform and its qualified engineering vendor community. Sector specific initiatives such as REV Campus Challenge, and the P-12 Initiative are examples of segment targeted efforts under this team.

5.8 Industrial and Agriculture

The Industrial and Agriculture unit looks to advance the latest technologies and techniques to drive the adoption of energy efficiency and process improvements through new strategies, including optimizing energy use and productivity as well as providing credible information toward integrating clean energy into the business mission of the industrial and agriculture sectors.

5.9 New Construction

The New Construction unit works across all sectors, including low- to moderate-income (LMI) households, to build market capacity, demonstrate value propositions, and disseminate credible information to drive the market to deep energy savings and zero-net energy performance in construction and substantial renovation projects. This includes strategies to improve contracting, design and construction practices, and promote zero- and positive-net carbon construction and renovation practices that maximize cost-effective carbon reductions.

5.10 Clean Heating and Cooling

The Clean Heating and Cooling unit will seek to enable a self-sustaining market for clean heating and cooling solutions, helping to increase the viability of net zero energy buildings in the State. The team is focusing on shifting from a building-by-building to a block-by-block and community approach towards decarbonization and heating electrification. The team will continue to promote district energy systems, which utilize various heating and cooling media in shared infrastructure loops, as a cost-effective and scalable business model on a statewide scale. Clean heating and Cooling will also address barriers to market growth, including low-customer awareness and confidence, limited trained service providers, high-upfront costs, significant soft costs, variable performance data, and lack of affordable financing solutions.

5.11 Energy and Climate Equity

The Energy Affordability and Equity unit develops strategies and proposes policy, coordinating across all sectors and various State organizations to streamline and improve the effectiveness of energy services delivery to low- to moderate-income households. The unit also manages single-family residential energy efficiency incentive programs.

5.12 Utility Affairs and Strategic Partnerships

The Utility Affairs and Strategic Partnerships unit manages the Authority's utility engagement strategy under REV, oversees the funding agreement with the Long Island Power Authority, and leads the development of a \$50 million energy efficiency Pay-for-Performance partnership program with National Grid and Con Edison.

5.13 Large-Scale Renewables

The Large-Scale Renewables unit will sustain and expand the penetration of large-scale renewables in the State and support the development of the next frontier of renewable resources, including offshore wind. The program will document New York State's progress toward its renewable goals and facilitate New York State's renewable voluntary market through the management of the New York Generation Attribute Tracking System. The program will also provide stakeholder outreach, technical, and pre-development assistance to increase acceptance and reduce soft costs associated with the development of these assets as well as assess alternate energy market valuation and transmission solutions for renewables. The team will also manage over \$1 billion in existing Renewable Portfolio Standard Main Tier contracts, actively execute its Renewable Energy Standard procurement and contracting role, including management of the nearly \$4 billion in agreements awarded over the past three years, and execute on its offshore wind procurement responsibilities as assigned by the New York State Public Service Commission.

The Offshore Wind unit will support the Large-Scale Renewables program through the expansion of offshore wind technology in the State. The unit will document New York State's progress toward its offshore wind development goals and provide stakeholder outreach and technical and pre-development assistance to increase acceptance and reduce soft costs associated with the development of these assets. Additionally, the team will actively execute regular generation project procurements for the State as authorized by the New York State Public Service Commission to acquire offshore wind renewable energy credits (ORECs).

5.14 Clean Transportation

The Clean Transportation unit will develop and implement programs to expand the adoption of clean transportation options in New York State and support the development and demonstration of new clean transportation technologies. The unit will craft innovative approaches to expedite market adoption of electric vehicles and clean mobility options, removing barriers to increased clean transportation use such as cost, awareness, ease of access, and availability of financing. Additionally, the unit will work with public and private partners to develop and demonstrate novel technologies and business models that address key barriers to clean transportation market expansion in NYS.

5.15 Energy Storage

The Energy Storage unit will develop and implement a robust energy storage strategy that removes the most impactful barriers preventing adoption in the electric grid, buildings, and transportation sectors. This will enable renewable generation to be used as “flexible resources,” increase electric system utilization and resiliency, flatten peak demand, and reduce petroleum dependence to help achieve the State’s GHG reduction goals. Initiatives will include targeting soft costs to reduce total installed cost, validating new financing and ownership models, participating in ratemaking and tariff design, removing safety and performance uncertainty, and developing and demonstrating new products and integrated systems—including microgrids. These strategies will be delivered in conjunction with public and private organizations as well as other NYSERDA teams.

5.16 NY-Sun

The NY-Sun unit has a multifaceted approach that aims to lower energy costs for all New Yorkers by increasing solar power capacity and the efficiency and reliability of the electric grid. Public-private partnerships help make installing solar technology more affordable for New Yorkers while scaling up the State’s solar industry. In addition to the Solar Electric Program, the NY-Sun initiative has programs to help lower statewide solar soft costs, including training for installers and public officials, a standardized permitting and interconnection process, customer aggregation, and consumer education.

5.17 Research and Development

The Technology and Business Innovation unit facilitates the research, development, and commercialization of new and innovative clean energy technologies that when deployed at scale will deliver meaningful reductions in GHG emissions. Technology and Business Innovation employs a comprehensive strategy that integrates and leverages direct investment in startup and established clean energy companies, establishes sustainable multiuse assets in the State, and fully engages important stakeholders such as researchers, established corporate entities, and the investment community. Technology and Business Innovation’s direct investments help to determine technical feasibility, assess market opportunities, achieve key product development milestones, and validate new technologies at scale in real-world applications. Strategic investments in statewide multiuse assets provide business incubation, manufacturing support, mentorship, and access to private sector investors and potential development and commercialization partners. Technology and Business Innovation’s overall strategy contributes toward the growth of a vibrant clean energy business ecosystem that delivers solutions to the State’s pressing environmental, energy, and economic needs.

Technology and Business Innovation has five teams focused on the following areas:

- Smart Grid Systems and Distributed Energy Integration: Accelerate the evolution to a smarter more integrated grid that allows for new value-added services in pursuit of efficiency, sustainability, reliability, resiliency, and affordability.
- Renewable Resource Optimization: Accelerate market adoption and realization of grid and consumer benefits from distributed and renewable resources.
- Buildings: Accelerate development of technologies and systems that can enable net zero energy buildings, deep energy efficiency retrofits and smart buildings—providing value and comfort to occupants and owners.
- Innovation Capacity and Business Development: Catalyze and enable a vibrant, self-sustaining cleantech innovation ecosystem that will accelerate the pace and scale of clean energy and make NYS the place for innovation.

5.18 Tech to Market

The Tech to Market team is focused on commercializing the climatetech solutions NYSERDA needs to reach its nation-leading climate goals through the deployment of startup support programs and direct funding opportunities for climatetech companies. Key approaches from this team include: offering expert support for business scale up, manufacturing, and demonstration, providing training in business building concepts and best practices, offering direct catalytic funding to accelerate company growth and impact, connecting innovators to local resources, investors, and customers in New York, and stimulating novel business models to move key markets that can increase climatetech solution adoption.

5.19 Energy and Environmental Analysis

The Energy and Environmental Analysis unit assists State policy decision-makers and stakeholders by objectively:

- Identifying and evaluating policy alternatives for addressing vital public needs related to the production, delivery, and use of energy as well as development of new technologies.
- Assessing the impact of energy and environmental policies, programs, and technologies on the State's residents, businesses, environment, and energy systems.
- Providing market intelligence across all energy and fuel types, including all energy systems, market participants, and customer sectors.

- Assessing operational status of energy delivery and fuel storage infrastructure components and advising corrective actions as necessary to expedite return to full operational capacity.
- Assessing retail petroleum fuels and natural gas prices, supplies, and production to enable analyses of and response to market conditions.
- Providing energy-related environmental accountability through analysis of long-term monitoring records and modeling.
- Evaluating the effectiveness of energy-related environmental protection strategies to support regulatory processes.
- Helping prioritize opportunities for mitigation and identifying cross-sector pollution control strategies.
- Coordinating the State's activities on nuclear energy matters, including the regulation of radioactive materials, and monitoring low-level radioactive waste generation and management.
- Fostering informed energy planning through economic analysis and modeling of energy and environmental issues.

5.20 Clean Energy Siting

The Clean Energy Siting unit offers several resources to help local governments understand how to manage responsible clean energy development in their communities. These resources include step-by-step instructions, tools, guidebooks, and educational workshops to guide the implementation of clean energy, including permitting processes, property taxes, siting, zoning, and more. The team also provides one-on-one technical assistance to local governments and maintains relationships with other stakeholders to ensure resources are up to date and providing meaningful, timely, relevant information.

5.21 Build-Ready

The Build-Ready Program partners with local communities across New York State to identify and advance renewable energy projects on previously developed and underutilized land, including brownfields, landfills, dormant electric generating sites, and abandoned or existing commercial and industrial sites. NYSERDA takes these difficult sites and makes them “build-ready” for private renewable energy developers to ultimately construct and operate, complementing rather than displacing the work of commercial developers. Specifically, Build-Ready advances pre-construction development activities for each site including site control, preliminary design, permitting, interconnection, and community

benefits through Payment-in-Lieu-of-Taxes Agreements and Host Community Agreements. Sites are ultimately competitively auctioned and transferred to private developers, along with a Renewable Energy Certificate (REC) Agreement, for final design, construction, operation, maintenance, and eventually decommissioning. The Build-Ready Program is currently advancing a pipeline of sites across New York State having screened over 5,000 sites and progressing about 30 sites through more advanced assessment and development.

5.22 Financing Solutions

The Financing Solutions unit will develop strategies for mobilizing private capital and market-based financing solutions to support scaled investments in clean energy across sectors and technology areas.

NYSERDA, a public benefit corporation, offers objective information and analysis, innovative programs, technical expertise, and support to help New Yorkers increase energy efficiency, save money, use renewable energy, and reduce reliance on fossil fuels. NYSERDA professionals work to protect the environment and create clean-energy jobs. NYSERDA has been developing partnerships to advance innovative energy solutions in New York State since 1975.

To learn more about NYSERDA's programs and funding opportunities, visit nyserdera.ny.gov or follow us on Twitter, Facebook, YouTube, or Instagram.

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Energy Research and
Development Authority**

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NYSERDA

State of New York

Kathy Hochul, Governor

New York State Energy Research and Development Authority

Richard L. Kauffman, Chair | Doreen M. Harris, President and CEO

Resolution No. ____

RESOLVED, that the Authority's Operations and Accomplishments and Mission Statement and Measurements Annual Report as presented at this June 28, 2022 meeting is adopted and approved for submission under Section 2800 of the Public Authorities Law.

NEW YORK STATE ENERGY RESEARCH
AND DEVELOPMENT AUTHORITY

**ANNUAL REPORT ON
ACQUISITION AND DISPOSITION OF
REAL AND PERSONAL PROPERTY**

For the Fiscal Year Ended March 31, 2022

Section 1. Real Property Acquired in the Name of NYSERDA April 1, 2021 through March 31, 2022

There were no acquisitions of real property during the fiscal year.

Section 2. Real Property Held in the Name of NYSERDA as of March 31, 2022

- A parcel of land (approximately 3.67 acres) and a building (two-story office building with partial basement containing approximately 66,000 square feet of gross area) located at 17 Columbia Circle, Albany, Albany County, New York.
- A parcel of land (approximately 3,300 acres) known as the Western New York Nuclear Service Center located in West Valley, Cattaraugus County, New York.
- A parcel of land (approximately 280-acres) known as the Saratoga Technology + Energy Park® (STEP®), formerly known as the Saratoga Research and Development Center, which includes one +/-23,600 gross square foot building owned by NYSERDA, one +/-43,300 gross square foot state-of-the-art workforce training facility owned by NYSERDA and leased to Hudson Valley Community College, one +/-105,000 square foot of building owned by the United Group of companies, pursuant to a ground lease, located in Malta, Saratoga County, New York, one +/-130,000 square foot building owned by STEP Tech, LLC, pursuant to a ground lease, located in Malta, Saratoga County, New York, and one +/- 10,000 square foot parcel pursuant to a ground lease improved with a cellular tower owned by Verizon Wireless, located in Malta, Saratoga County, New York.
- A parcel of underwater land and an outfall structure for the release of cooling water located at the Indian Point Nuclear Generating Station, Village of Buchanan, Westchester County, New York, upon which is located. The land and structure are leased to the facility owner, Holtec (successor to Entergy and to Consolidated Edison Company of New York, Inc.), pursuant to a Lease dated July 1, 1971 with NYSERDA (successor to the New York State Atomic and Space Development Authority) scheduled to expire, subject to a renewal option, on March 31, 2027.
- Approximately 10,059 rentable square feet of office space at a building located at 1333 Broadway, Suite 300, New York, NY pursuant to a Lease with ESRT 1333 Broadway, LLC dated December 19, 2019 and initially expiring October 31, 2027.
- Approximately 21,386 rentable square feet of office space at a building located at 1359 Broadway (19th floor), New York, NY pursuant to an Agreement of Sublease dated November 13, 2013 with LF USA, Inc. and LF North America Holdings Co. expiring October 29, 2027.
- Approximately 4,618 rentable square feet of office space at a building located at 1359 Broadway, Suite 1540, New York, NY pursuant to an Agreement of Lease with ESRT 1359 Broadway, L.L.C. dated August 15, 2018 expiring October 31, 2027, of which approximately 3,752 rentable square feet is subleased to New York City Economic Efficiency Corporation pursuant to a Sublease Agreement dated September 1, 2018 and initially expiring September 29, 2023.
- Approximately 29,941 rentable square feet of office space at a building located at 15 Columbia Circle, Albany, NY pursuant to a Lease with Columbia Circle Associates, LLC dated December 1, 2007, as amended, expiring June 30, 2024.
- Approximately 2,829 rentable square feet of office space at a building located at 726 Exchange Street, Buffalo, NY pursuant to a Lease with LCo Building, LLC dated February 16, 2007, as amended, expiring October 31, 2022.
- Approximately 4,824 rentable square feet of office space at a building located at Rt. 219 and County Road 53, Ashford, NY pursuant to a Lease with Peter L. Krog, Edwin Lorenz and Kenneth Lorenz dated June 1, 2021, as amended, expiring May 31, 2027.

Section 3. Personal Property with a Value in Excess of \$5,000 and Real Property Disposed of During the Fiscal Year Ended March 31, 2021

There were no dispositions of real property or personal property with a value in excess of \$5,000.

NEW YORK STATE ENERGY RESEARCH AND DEVELOPMENT AUTHORITY
REAL PROPERTY ACQUISITION POLICY GUIDELINES
JUNE 2022

I. INTRODUCTION

- A. Pursuant to Public Authorities Law, the New York State Energy Research and Development Authority's ("NYSERDA") purposes include, but are not limited to, developing and implementing new energy technologies consistent with economic, social and environmental objectives; developing and encouraging energy conservation technologies; promoting, developing, encouraging and assisting in the acquiring, constructing, improving, maintaining, equipping and furnishing of industrial, manufacturing, warehousing, commercial, research and industrial pollution facilities at the Saratoga Research and Development Center; promoting, developing, encouraging and assisting special energy projects and thereby advancing job opportunities, health, general prosperity and economic welfare of the people of the state of New York; and stewardship of the State's interests at the Western New York Nuclear Service Center.
- B. Pursuant to the Public Authorities Law, which enumerates the General Powers NYSEDA may exercise in furtherance of its broad purposes, NYSEDA has the General Power to purchase, receive, lease or otherwise acquire, to hold in the name of the state or otherwise, and to sell, convey mortgage, lease, pledge or otherwise dispose of, upon such terms and conditions as the authority may deem advisable, real and personal property, together with such rights and privileges as may be incidental and appurtenant thereto. This policy shall apply to any acquisition of real property by NYSEDA.
- C. Notwithstanding the terms of any other section of these Guidelines, applicable Property may be acquired in accordance with the provisions of Section 1902 of Title 9-B of Article 8 of the Public Authorities Law.
- D. The Chief Financial Officer is the Contracting Officer who will be responsible for compliance with, and enforcement of, this policy.

II. GENERAL

- A. All acquisitions of real property shall comply with applicable State, federal and local law, including but not limited to Chapter 766 of the Laws of New York 2005, better known as the Public Authorities Accountability Act ("PAAA"), the State Environmental Quality Review Act ("SEQRA"), the Eminent Domain Procedure Law ("EDPL"), any requirements of NYSEDA's board resolutions, and any other applicable state and local law or regulation.
- B. The President and CEO or their designee is hereby authorized to negotiate the terms and conditions of the acquisition of real property necessary to accomplish NYSEDA's purposes and consistent with this policy. NYSEDA may acquire in the name of NYSEDA or in the name of the state or otherwise, by purchase or condemnation, gift or

grant, real property or rights therein, including but not limited to by lease, license and easement, on terms necessary or convenient in furtherance of its purposes. The Contracting Officer and any other Officer authorized by resolution may execute such documents for the transfer of title or other interest in real property and take such other action as is required or deemed necessary and proper to acquire such real property.

- C. NYSERDA shall maintain a record for each transaction that documents its compliance with this policy.
- D. NYSERDA shall maintain a system of inventory for all real property under its control.
- E. NYSERDA shall procure any outside professional services, such as title insurance and commercial real estate brokerage services, as necessary, pursuant to the NYSERDA's Contracting Guidelines.

III. IMPLEMENTATION

- A. The President and CEO or their designee shall identify real property necessary for NYSERDA's purposes.
- B. Once potentially acceptable real property has been identified, such real property shall be evaluated internally under the direction of the President and CEO of NYSERDA. When necessary or convenient, the President and CEO may seek participation from NYSERDA staff, real estate counsel, engineering, environmental, archeological, and other consultants, title insurance company and a licensed commercial real estate broker or brokers. Any evaluation of the affected real property shall examine such issues as ownership; zoning; road access, including access to interstates; easements and other encumbrances; parcel history; recent sales history; proximity to environmentally compromised areas; potential government funding sources for parcel remediation or developments; market availability; recent appraisals; brokerage arrangements; existing tenants and the terms and conditions of their leases.
- C. Prior to contract for the acquisition of real property, NYSERDA shall obtain either a broker's market analysis or two appraisals by Members of the Appraisal Institute ("AMI") or other reasonable and professionally prepared valuation projections consistent with then-current industry standards and practices. If the two appraisals are materially different, NYSERDA may attempt to reconcile the differences in value through determining an average of the two appraisals, or by seeking a third review appraisal which shall constitute the final determination of value. The contract price for acquiring real property is subject to the approval of the President and CEO of NYSERDA.
- D. NYSERDA may enter into a contract to obtain the right to enter onto real property being considered for acquisition for the purposes of conducting archeological, environmental, geotechnical and any other relevant studies and investigations of such property, either separately or as part of a contract for acquisition of such property.

IV. APPROVAL AND REPORTING REQUIREMENTS

- A. This policy will be submitted to the Members annually for review and approval.
- B. The Authority will post the policy on its internet website and will maintain such site until the policy for the following year is approved.
- C. The Contracting Officer will annually prepare a report that will be submitted to the Members listing all real property acquired during such period. Such report will include the name of the parties to the transaction and the price paid by the Authority as well as the terms of the lease term if applicable.
- D. The Authority shall maintain accountability and a system of internal controls for all Property under its control. The Contracting Officer will conduct no less than a biennial inventory of Property and reconcile such inventory against accounting records maintained for such Property. The Contracting Officer will also periodically inventory Property to determine which Property should be disposed of and will transfer or dispose of such Property as promptly as possible in accordance with the Authority's Property Disposition Guidelines.

NEW YORK STATE
ENERGY RESEARCH AND DEVELOPMENT AUTHORITY

GUIDELINES, OPERATIVE POLICY AND INSTRUCTIONS FOR THE DISPOSAL OF
REAL AND PERSONAL PROPERTY

June 2022

Article I. Purpose and Applicability

1.0 These Guidelines for the Disposal of Real and Personal Property (“Guidelines”), adopted pursuant to Public Authorities Law Sections 2895, 2896, and 2897, set forth the operative policies of the Authority and instructions to its officers and employees regarding the disposal of real and personal property.

1.1 These Guidelines apply to any disposal of real or personal property taking place after they become effective pursuant to the provisions of Section 1853 of the Public Authorities Law.

Article II. Definitions

2.0 As used in these Guidelines, “Contracting Officer” means the Chief Financial Officer appointed herein by the Members to be responsible for the disposition of Property.

2.1 As used in these Guidelines, “dispose”, “disposal” or “disposition” means the transfer of title or any other beneficial interest in personal or real property in accordance with Section 2897 of the Public Authorities Law.

2.2 As used in these Guidelines, “Property” means personal property in excess of five thousand dollars in value, real property, and any inchoate or other interest in such property, to the extent that such interest may be conveyed to another person for any purpose, excluding an interest securing a loan or other financial obligation of another party.

Article III. Designation of the Contracting Officer; Accountability for Property

3.0 The Chief Financial Officer is the Contracting Officer who will be responsible for compliance with, and enforcement of, these Guidelines.

3.1 The Authority shall maintain accountability and a system of internal controls for all Property under its control. The Contracting Officer will conduct no less than a biennial inventory of Property and reconcile such inventory against accounting records maintained for such Property. The Contracting Officer will also periodically inventory Property to determine which Property should be disposed of and will transfer or dispose of such Property as promptly as possible in accordance with Article IV below. The Contracting Officer and any other Officer authorized by resolution may execute such documents for the transfer of title or other interest in Property and take such other action as is required or deemed necessary and proper to dispose of such Property.

Article IV. Method of Disposal of Property Including Use and Awarding of Contracts for Disposal

4.0 Except as otherwise provided herein, Property may be disposed of for not less than its fair market value by sale, exchange, or transfer for cash, credit, or other property, with or without warranty, and upon such terms and conditions as the Contracting Officer deems proper. No disposition of real property, or any interest in real property, will be made unless an appraisal of the value of such property has been made by an independent appraiser and included in the record of the transaction, and, provided further, that no disposition of any other property, which because of its unique nature or the unique circumstances of the proposed transaction is not readily valued by reference to an active market for similar property, shall be made without a similar appraisal.

4.1 When it is deemed advantageous to the State, the Authority may enter into an agreement with the Commissioner of General Services for the disposal of Property pursuant to which such Commissioner may dispose of Property of the Authority under terms and conditions agreed to by the Authority and such Commissioner. In disposing of the Property, the Commissioner of General Services will be bound by the terms of these Guidelines and references to the Contracting Officer will be deemed to refer to such Commissioner.

4.2 A deed, bill of sale, lease, or other instrument executed by or on behalf of the Authority, purporting to transfer title or any interest in Property of the Authority will be conclusive evidence of compliance with the Guidelines insofar as concerns title or other interest of any bona fide grantee or transferee who has given valuable consideration for such title or other interest and has not received actual or constructive notice of lack of such compliance prior to closing.

4.3 All disposals or contracts for disposal of Property made or authorized by the Contracting Officer will be made after publicly advertising for bids, except as otherwise provided below in Sections 4.4 and 4.5. Whenever public advertising for bids is required under these Guidelines: (i) the advertisement for bids shall be made at such time prior to the disposal or contract, through such methods, and on such terms and conditions as will permit, full and free competition consistent with the value and nature of the Property; (ii) all bids shall be publicly disclosed at the time and place stated in the advertisement; and (iii) the award will be made with reasonable promptness by notice to the responsible bidder whose bid, conforming to the invitation for bids, will be most advantageous to the State, price and other factors considered; provided, that all bids may be rejected when it is in the public interest to do so.

4.4 Disposals and contracts for disposal of Property may be negotiated or made by public auction without public advertisement, but subject to obtaining such competition as is feasible under the circumstances, if: (i) the personal property involved has qualities separate from the utilitarian purpose of such property, such as artistic quality, antiquity, historical significance, rarity, or other quality of similar effect, that would tend to increase its value, or if the personal property is to be sold in such quantity that, if it were disposed of through public advertisement, would adversely affect the State or local market for such personal property, and the estimated fair market value of such personal property and other satisfactory terms of disposal can be obtained by negotiation; (ii) the fair market value of Property does not exceed fifteen thousand dollars; (iii) bid prices after advertising therefor are not reasonable, either to all or some part of

the Property, or have not been independently arrived at in open competition; (iv) the disposal will be to the State or any political subdivision, and the estimated fair market value of the Property and other satisfactory terms of disposal are obtained by negotiation; (v) under those circumstances permitted provided below by Section 4.6; or (vi) such action is otherwise authorized by law.

4.5 An explanatory statement will be prepared of the circumstances of each disposal by negotiation of: (i) any personal property which has an estimated fair market value in excess of fifteen thousand dollars; (ii) any real property that has an estimated fair market value in excess of one hundred thousand dollars, except that any real property disposed of by lease or exchange will only be subject to clauses (iii) and (iv) below; (iii) any real property disposed of by lease, if the estimated annual rent over the term of the lease is in excess of fifteen thousand dollars; (iv) any real property or real and related personal property disposed of by exchange, regardless of value, or any such real property or real and related personal property any part of the consideration for which is real property.

4.6 Disposal of Property for less than fair market value.

a. No asset owned, leased or otherwise in the control of the Authority may be sold, leased, or otherwise alienated for less than its fair market value except if:

(i) the transferee is a government or other public entity, and the terms and conditions of the transfer require that the ownership and use of the asset will remain with the government or any other public entity;

(ii) the purpose of the transfer is within the purpose, mission or governing statute of the Authority; or

(iii) in the event the Authority seeks to transfer an asset for less than its fair market value to other than a governmental entity, which disposal would not be consistent with the Authority's mission, purpose or governing statutes, the Authority shall provide written notification thereof to the Governor, the Speaker of the Assembly, and the Temporary President of the Senate, and such proposed transfer shall be subject to denial by the Governor, the Senate, or the Assembly. Denial by the Governor shall take the form of a signed certification by the Governor. Denial by either House of the Legislature shall take the form of a resolution by such House. The Governor and each House of the Legislature shall take any such action within sixty days of receiving notification of such proposed transfer during the months of January through June, provided that if the Legislature receives notification of a proposed transfer during the months of July through December, the Legislature may take any such action within sixty days of January first of the following year. If no such resolution or certification is performed within sixty days of such notification of the proposed transfer to the Governor, Senate, and Assembly, the Authority may effectuate such transfer.

b. In the event a below fair market value asset transfer is proposed, the following information must be provided to the Members and the public:

(i) a full description of the asset;

(ii) an appraisal of the fair market value of the asset and any other information establishing the fair market value sought by the Members;

(iii) a description of the purpose of the transfer, and a reasonable statement of the kind and amount of the benefit to the public resulting from the transfer, including but not limited to the kind, number, location, wages or salaries of jobs created or preserved as required by the transfer,

the benefits, if any, to the communities in which the asset is situated as are required by the transfer;

(iv) a statement of the value to be received compared to the fair market value;

(v) the names of any private parties participating in the transfer, and if different than the statement required by subparagraph (iv) of this subsection, a statement of the value to the private party; and

(vi) the names of other private parties who have made an offer for such asset, the value offered, and the purpose for which the asset was sought to be used.

c. Before approving the disposal of any property for less than fair market value, the Members shall consider the information described in paragraph b of this section and make a written determination that there is no reasonable alternative to the proposed below market transfer that would achieve the same purpose of such transfer.

4.7 Notwithstanding the terms of any other section of this Article, Property may be acquired and disposed of in accordance with the provisions of Section 1902 of Title 9-B of Article 8 of the Public Authorities Law.

Article V. Approval of Guidelines: Monitoring and Reporting on Disposal of Property

5.0 These Guidelines will be submitted to the Members annually for review and approval.

5.2 On or before March 31, of each year, the Authority will submit the most recently reviewed and approved Guidelines to the Comptroller. At the time of filing of such Guidelines, the Authority will post the Guidelines on its internet website and will maintain such site until the Guidelines for the following year are approved.

5.3 The Contracting Officer will annually prepare a report listing all real property of the Authority and a full description of all real and personal property disposed of during such period. Such report will include the name of the purchaser of such Property and the price received. Such report will be submitted to the Members for review and approval for submission to the Comptroller, the Director of the Budget, the Commissioner of General Services, the Legislature (i.e., the New York State Assembly Administrative Regulation Revision Commission, the New York State Senate Administrative Regulation Revision Commission, Majority Leader of The Senate, and the Speaker of the Assembly), and the Authorities Budget Office.

5.4 Each explanatory statement prepared pursuant to Section 4.5 of the Guidelines will be transmitted to the Comptroller, the Director of the Budget, the Commissioner of General Services, the Legislature (i.e., the New York State Assembly Administrative Regulation Revision Commission, the New York State Senate Administrative Regulation Revision Commission, Majority Leader of The Senate, and the Speaker of the Assembly), and the Authorities Budget Office not less than ninety days in advance of such disposal, and a copy thereof will be preserved in the files of the Authority.

Resolution No. ____

RESOLVED, that the “Real Property Acquisition Policy Guidelines (June 2022),” as presented at this June 28, 2022 meeting, with such non-substantive, editorial changes and grammatical changes as the President and Chief Executive Officer, in their discretion, may deem necessary or appropriate, are approved and adopted;

BE IT FURTHER RESOLVED, that the “Guidelines, Operative Policy and Instructions for the Disposal of Real and Personal Property (June 2022),” as presented at this meeting, with such non-substantive, editorial changes and grammatical changes as the President and Chief Executive Officer, in their discretion, may deem necessary or appropriate, are approved and adopted; and

BE IT FURTHER RESOLVED, that the Annual Report on Disposition of Real and Personal Property (June 2022), as presented at this meeting, with such non-substantive, editorial changes and grammatical changes as the President and Chief Executive Officer, in their discretion, may deem necessary or appropriate, is adopted and approved as the Annual Report on Disposition of Real and Personal Property required by Section 2800 of the Public Authorities Law.

2021-2022 ANNUAL CONTRACTS REPORT

NEW YORK STATE
ENERGY RESEARCH AND DEVELOPMENT AUTHORITY

This annual report on procurement contracts has been prepared and approved pursuant to Section 2879 of the Public Authorities Law. The report covers the period April 1, 2021 through March 31, 2022.

Section 2879 of the Public Authorities Law provides that a public authority's procurement contracts guidelines shall set forth, among other things, areas of responsibility and oversight requiring the use of procurement and program contracts; the reasons for use of such contracts; requirements regarding selection of contractors, including circumstances relating to waiver of competition and provisions on board approval and annual review of contracts involving services to be rendered over a period greater than a year; provisions for the publication of a notice of proposed procurement contracts prior to award and the criteria for exemption from such publication; provisions applicable to participation by minority and women-owned business enterprises, service disabled veteran-owned business enterprises and by New York State business enterprises and New York State residents; a listing of types of provisions to be contained in procurement contracts; and provisions on such contracts which involve former officers or employees. This section of the law also includes requirements for periodic staff reports to the Members on procurement contracts and an annual report on such contracts by each public authority to the Division of the Budget, with copies to the Department of Audit and Control and the Legislature's fiscal committees.

A copy of the New York State Energy Research and Development Authority's ("Authority") procurement contract guidelines operative policy and instructions (Guidelines) is included in this Annual Report. These Guidelines comport with the requirements of Public Authorities Law Section 2879 for procurement contracts. Some key features of the Guidelines are described below.

Article III of the Guidelines outlines requirements for competitive selection of contractors, including factors to be considered in comparing offerers and requirements for documentation of selection processes. As permitted by PAL Section 2879, the Guidelines provide for the Members to waive competitive selection when waiver is in the best interest of the Authority. Section 3.2 waives competitive selection in certain limited circumstances. Section 3.3 of the Guidelines requires contract approval and annual review by the Members when the performance of personal services will extend more than one year.

Article VII contains provisions for promoting participation in procurement contracts by New York State businesses and New York State residents.

Article VIII provides for the submission of a notice for publication to the Commissioner of the Department of Economic Development providing notification and bidding information on procurement contract actions prior to their award. It also sets forth the criteria under which a procurement action is exempt from publication.

Article IX of the Guidelines provides for reports on procurement contracts to be made to the Members at the regularly scheduled meetings of the Members. It also requires Member approval

at the June meeting of an annual report to the Division of the Budget, with copies to be submitted to the Department of Audit and Control and the Legislature's fiscal committees and made available to the public.

AMENDMENTS TO THE PROCUREMENT AND PROGRAM CONTRACT GUIDELINES

Changes to the Procurement Contract Guidelines from those the Members approved in June 2021 include:

- The Guidelines are being amended to state that the Director of Contract Management will report to the Vice President for Operations rather than the Treasurer.

NEW YORK STATE
ENERGY RESEARCH AND DEVELOPMENT AUTHORITY

PROCUREMENT AND PROGRAM CONTRACT GUIDELINES, OPERATIVE POLICY
AND INSTRUCTIONS

June 2021

Article I. Purpose and Applicability

1.0 These Procurement and Program Contract Guidelines ("Guidelines"), adopted pursuant to Public Authorities Law Sections 1854, 1855, and 2879, set forth the operative policies of the Authority and instructions to its officers and employees regarding the use, awarding, monitoring, and reporting of Procurement and Program Contracts.

1.1 These Guidelines apply to any Procurement or Program Contract entered into after they become effective pursuant to the provisions of Section 1853 of the Public Authorities Law.

Article II. Definitions

2.0 As used in these Guidelines, "Procurement Contract" means a written agreement for the Authority's acquisition of goods or services, in the actual or estimated amount of \$5,000 or more.

2.1 As used in these Guidelines, "Program Contract" means a contract in the actual or estimated amount of \$5,000 or more that is not a Procurement Contract. Program Contracts may include but are not limited to grants, investments, awards, incentives, memberships and other arrangements by which the Authority provides financial assistance to fund a third party's performance of work in furtherance of the mission of the Authority. Program Contracts shall also include: memberships in industry groups, professional societies and similar cooperative associations, and any cooperative projects conducted or sponsored by such organizations; and direct purchase advertising with radio, television or print media regarding program activities. Loans, guarantees, letters of credit and other contractual arrangements executed by Green Bank are not Program Contracts for purposes of these Guidelines; the consideration and approval of such transactions are governed by the relevant provisions of the Authority's Internal Control Manual and by Green Bank's internal rules and guidelines. Contracts for interests in real property are governed by separate Board approved Guidelines for Real Property.

2.2 As used in these Guidelines, "Other Administrative Contracts" mean Procurement Contracts to provide services to support the Authority's administrative functions for a fee, commission, or other compensation by a person or organization that is not performing that work as an officer or employee of the Authority, another public corporation, or a state agency. Other Administrative Contracts include, but are not limited to, equipment maintenance contracts, leases, insurance, telecommunications, or other similar services, but do not include Personal Services Contracts.

2.3 As used in these Guidelines, "Contractor" means a person or organization that enters into a Procurement or Program Contract with the Authority.

2.4 As used in these Guidelines, "Minority Business Enterprise" means any business enterprise certified by the Division of Minority and Women-Owned Business Development as a Minority Business Enterprise.

2.5 As used in these Guidelines, "Women-Owned Business Enterprise" means a business enterprise certified by the Division of Minority and Women-Owned Business Development as a Women-Owned Business Enterprise.

2.6 As used in these Guidelines, "New York State Business Enterprise" means a business enterprise, including a sole proprietorship, partnership, or corporation, which offers for sale or lease or other form of exchange goods which are sought by the Authority and which are substantially manufactured, produced, or assembled in New York State or services which are sought by the Authority and which are substantially performed in New York State.

2.7 As used in these Guidelines, "New York State Small Business Enterprise" means a company that is a resident to New York State, independently owned and operated, with 100 or fewer employees, and not dominant in its field. See New York State Finance Law.

2.8 As used in these Guidelines, "Service-Disabled Veteran-Owned Business Enterprise (SDVOB)" means any business that is certified by the Office of General Services Division of Service-Disabled Veterans' Business Development as a certified service-disabled veteran-owned business enterprise.

2.9 As used in these Guidelines, a "New York State Resident" means a natural person who maintains a fixed, permanent, and principal home within New York State and to which such person, whenever temporarily located, always intends to return.

2.10 As used in these Guidelines, "Competitive Selection Method" shall include:

- i. solicitations, including program opportunity notices, requests for proposals, requests for information, requests for quotations and requests for qualifications;
- ii. subscription program offers;
- iii. for administrative purchases, if the issuance of a solicitation is reasonably expected to result in no more than nominal savings, obtaining at a minimum three (3) quotations from different providers or firms;
- iv. Procurement or Program Contracts made pursuant to centralized contracts let by other public entities pursuant to a competitive process, including those contracts of the New York State Office of General Services;
- v. procurement of commodities from a Contractor where the price to be charged by the Contractor is less than that which would be charged for the purchase substantially similar in function, form or utility made pursuant to a centralized contract let by the New York

- State Office of General Services or when other contract terms such as delivery or warranty terms are more economically beneficial;
- vi. processes to award agreements for disposition of personal or real property in accordance with the provisions of Section 1902 of Title 9-B of Article 8 of the Public Authorities Law; or
 - vii. any other competitive method of selection that is consistent with these guidelines.

Article III. Requirements Regarding Selection of Contractors

3.0 Unless otherwise directed by law or order in the form of an authorization and direction to use funds in a certain manner¹, the Authority shall use its best efforts to secure offers from Contractors by using a Competitive Selection Method and to select from such offerers the Contractor offering the most favorable terms, weighing expected ability to perform against projected costs. To this end, the Authority shall:

- (a) solicit offers in writing from several persons or organizations known, believed, or reputed to be qualified in the area of supplying the goods, personal services, Authority program work, or other administrative services to be provided or performed, except that for administrative purchases authorized by Section 2.10 (iii), such quotations may be secured by telephone solicitations where time constraints do not permit securing a written bid and for procurement of catalog and other items generally purchased in the ordinary course of business or which do not require a detailed bid or description of materials or specifications.
- (b) evaluate those offers received on the basis of such information as the Authority has received on, as may be relevant, each offerer's technical or professional qualifications, financial stability, past performance for the Authority, staff, equipment, and facilities availability, experience, reputation, and other factors bearing on expected capability and quality of performance, possible conflicts of interest, and contract price or fee structure; and
- (c) document the processes by which a Contractor is selected, by making a record summarizing the nature and scope of the goods, personal services, Authority program work, or other administrative services sought, the name of each person or organization submitting, or requested to submit, a bid or proposal, the price or fee bid, and the basis for selection of the Contractor.

3.1 In any instance, the members of the Authority may, by resolution, waive the use of the procedure for selecting Contractors outlined in Section 3.0 if they determine such waiver to be in the best interest of the Authority.

3.2 The members of the Authority, upon adoption of these Guidelines, hereby waive use of the

¹ For avoidance of doubt, this provision is included to acknowledge that the Authority's contracting guidelines do not apply in instances where the Authority is directed by law or order to use funds in a certain manner.

procedures for selecting Contractors outlined in section 3.0 in those instances when:

- a) the goods, personal services, Authority program work, or other administrative services involved are expected to cost \$50,000 or less;
- b) the goods, personal services, or other administrative services involved are expected to cost \$500,000 or less and are procured from a Minority Business Enterprise or Women-Owned Business Enterprise; a New York State Small Business Enterprise; or a Certified Service-Disabled Veteran-Owned Business Enterprise.
- c) for any Authority program work, the contract is based upon an unsolicited proposal, submitted at the sole initiative of the offerer, not duplicating work then being performed or in the project planning request stage, and involving unique, innovative, or unusual meritorious methods or ideas;
- d) an Authority Officer or the Director of Contract Management, to the extent of each of their respective encumbrance authority pursuant to the Authority's Bylaws, determines that:
 - i. the interest of the Authority for timely obtainment of the goods, personal services, Authority program work, or other administrative services involved precludes selection of a Contractor pursuant to such procedure; or,
 - ii. even though two or more Contractors could supply the required goods, personal services, Authority program work, or other administrative service, one particular Contractor has unique or exceptionally scarce qualifications or experience, specialized equipment, or facilities not readily available from other sources, or patents, copyrights, or proprietary data; or,
 - iii. there is only one source for a required good, personal service, Authority program work, or other administrative service; or,
 - iv. the contract is for goods, personal services or other administrative services and is based upon a contract awarded by the United States government, or any state or any political subdivision thereof, in accordance with the requirements of New York State Finance Law and the criteria established by the New York State Office of General Services (aka piggybacking); or,
 - v. the contract is for a membership in an industry group, professional society, or similar cooperative association the work of which is aligned with the strategy of the Authority and membership in which will benefit the Authority's mission; or
 - vi. the contract is for a sponsorship or procurement of space or services in relation to an industry or other mission-related conference, symposium or other similar event, the topic

of which is aligned with the strategy of the Authority and participation will benefit the Authority's mission; or

- vii. processes to enter into agreements to acquire applicable personal or real property in accordance with the provisions of Section 1902 of Title 9-B of Article 8 of the Public Authorities Law,

provided, that in those instances the Authority shall nonetheless make a record summarizing the nature and scope of the goods, personal services, Authority program work, or other administrative service involved, the name of the Contractor, the contract price or fee, and the basis for waiver and selection of the Contractor.

3.3 Board Approval of Procurement and Program Contracts

- (a) Approval of the members of the Authority, either by prior action, when time permits, or by ratification at the next meeting of the Authority shall be required for any:
 - i. Procurement Contract which provides for a period of performance by the Contractor in excess of one year;
 - ii. Program Contract that is the result of a competitive process and which provides an estimated or actual amount of \$3 Million or more; and,
 - iii. Program Contract that is the result of a noncompetitive process and which provides an estimated or actual amount greater than \$1 Million.

3.4 Independent auditors for the Authority shall be retained only with the prior approval of the members of the Authority.

3.5 The Authority may use its Competitive Selection Methods to select multiple Contractors to provide goods, personal services, Authority program work, and other administrative services. Individual task work orders may be awarded to these Contractors on an as-needed basis.

Article IV. Compliance with State Finance Law Sections 139-j and 139-k in the Selection of Contractors; Contractor Responsibilities and Types of Contract Provisions

4.0 The Authority shall comply with the requirements of State Finance Law Sections 139-j and 139-k in its selection of Contractors. Solicitations shall identify NYSERDA's Designated Contacts, require bidders to disclose any prior determination of non-responsibility, and to provide the other information required by State Finance Law Sections 139-j and 139-k.

The responsibilities of a Contractor, including continuing responsibilities under State Finance Law Sections 139-j and 139-k, shall be detailed in the contract. Contract provisions shall address the nature and scope of the goods, personal services, or Authority program work to be provided; the standard for performance, if practical; the duration of the work; any relevant time requirements or deadlines; and the amount of compensation to be paid or the price, rates, or fees which will be used

to determine such compensation. Personal Services Contracts and Program Contracts shall also include provisions on monitoring of the work to be performed; provisions governing the Contractor's use of Authority supplies, facilities, or personnel, if permitted; any provisions required by applicable law; and any other provisions the Authority deems necessary or desirable.

Article V. Minority and Women-Owned Business Enterprises

5.0 It is the policy of the Authority to foster and promote participation of Minority Business Enterprises and Women-Owned Business Enterprises in its procurements and the development of such enterprises and to facilitate a fair share of the awarding of Procurement Contracts to such enterprises.

The MWBE rules and regulations apply to any procurement that conforms to the definition of State Contract as described in the rules and regulations, and as specifically applied to NYSERDA in Article 15-A of New York State Executive Law. State Contract is defined as: a written agreement or purchase order instrument, providing for a total expenditure in excess of \$25,000, whereby a contracting agency is committed to expend or does expend funds in return for labor, services including but not limited to legal, financial and other professional services, commodities, supplies, equipment, materials, technology or any combination of the foregoing, to be performed for, or rendered or furnished to the contracting agency; a written agreement in excess of \$100,000 whereby a contracting agency is committed to expend or does expend funds for the acquisition, construction, demolition, replacement, major repair or renovation of real property and improvements thereon; and, a written agreement in excess of \$100,000 whereby the owner of a State assisted housing project is committed to expend or does expend funds for the acquisition, construction, demolition, replacement, major repair or renovation of real property and improvements thereon for such project. Article 15-A explicitly applies to NYSERDA only to the extent of State Contracts entered into for its own account or for the benefit of another qualifying state agency.

The Authority endeavors to promote and assist: (i) participation by certified Minority or Women-Owned Business Enterprises in applicable Authority procurement opportunities and facilitation of the award of qualified Procurement Contracts to such enterprises; (ii) the utilization of certified Minority and Women-Owned Business Enterprises as subcontractors and suppliers by entities having qualified Procurement Contracts with the Authority; and (iii) the utilization of partnerships, joint ventures or other similar arrangements between certified Minority and Women-Owned Business Enterprises and other entities having qualified Procurement Contracts with the Authority.

The Authority hereby designates the Division of Minority and Women-Owned Business Development to certify and decertify Minority Business Enterprises and Women-Owned Business Enterprises through a single process that meets applicable state and federal requirements.

On an annual basis, the Authority shall establish appropriate statewide goals for participation by Minority or Women-Owned Business Enterprises in qualified Procurement Contracts awarded by the Authority, and for the utilization of Minority and Women-Owned Business Enterprises as

subcontractors and suppliers by entities having qualified procurement contracts with the Authority pursuant to § 313(1-b) of the Executive Law. In accordance therewith, the Authority shall submit a Master Goal Plan, or Master Goal Plan update, for acceptance by the Division of Minority and Women's Business Development.

The Authority shall conduct procurements in a manner that will enable it to achieve the maximum feasible portion of the goals it establishes and that will eliminate barriers to participation by Minority and Women-Owned Business Enterprises. This includes, but is not limited to:

- (a) The Authority shall maintain measures and procedures, as detailed in the Master Goal Plan, to ensure that certified businesses shall be given the opportunity for maximum feasible participation in the performance of appropriate state contracts and to assist in the Authority's identification of those state contracts for which certified businesses may best bid to actively and affirmatively promote and assist their participation.
- (b) The Authority will consult with the Division of Minority and Women's Business Development for assistance in identifying Minority Business Enterprises or Women-Owned Business Enterprises, and refer to any known list maintained by any other State department or agency that identifies such enterprises by area of expertise.
- (c) With the assistance of the Director of Contract Management, the Authority shall maintain its own list of such enterprises, including professional firms that have expressed an interest in doing business with the Authority, and shall ensure that the list is updated regularly.
- (d) The Authority shall provide notice of procurement opportunities to professional and other organizations that serve Minority and Women-Owned Business Enterprises providing the types of services the Authority procures, and solicit or request offers from Minority and Women-Owned Businesses known to have experience in the type of goods, personal services, and other administrative services involved.
- (e) Each solicitation document for a qualified solicitation shall set forth the expected degree of Minority and Women-Owned Business Enterprise participation, and the Authority shall provide to each prospective contractor a current list of certified Minority and Women-Owned Business Enterprises. The expected degree of Minority and Women-Owned Business Enterprise participation shall be based, in part, on (i) the potential subcontract opportunities available in the prime procurement contract; and (ii) the availability of certified Minority and Women-Owned Business Enterprises to respond competitively to the potential subcontract opportunities.
- (f) Written solicitations or requests for bids or proposals for Procurement Contracts will include a statement of the Authority's affirmative action policy.
- (g) Allow bidders to count the Minority and Women-Owned Business Enterprise portion of a joint venture towards meeting its minority business enterprise goal.

- (h) For each qualified contract, the Authority shall: (i) consider, where practicable, the severability of construction projects and other bundled contracts; (ii) evaluate the appropriateness of the goal established in the Master Goal Plan; (iii) consider compliance with the requirements of any federal law concerning opportunities for Minority and Women-Owned Business Enterprises which effectuates the purpose of the Authority's policy; and (iv) consult the most recent disparity study pursuant to Article 15-A of the Executive Law.

The Authority may waive obligations of a contractor relating to Minority and Women-Owned Business Enterprise participation after a showing of good faith efforts to comply with the requirements of Article 9 of the Public Authorities Law relative to the waiver provisions contained in § 313(6) and (7) of the Executive Law. In addition, the Authority shall verify that Minority and Women-Owned Business Enterprises listed in a successful bid are actually participating to the extent listed in the project for which the bid was submitted.

The President and CEO of the Authority has general policy responsibility for the Authority's Minority and Women-Owned Business Enterprise program. The Treasurer provides executive oversight and reports to the President, is familiar with the procurement of the types of construction, financial, legal and professional services utilized by the Authority, and participates in the procurement process directly and through designees. The Director of Contract Management, who reports to the Treasurer, shall manage day-to-day responsibilities for M/WBE reporting and implementation. The Authority Counsel's Office shall be responsible for M/WBE legislation oversight and compliance.

Through its program, the Authority endeavors to promote and assist: (i) participation by certified Minority or Women-Owned Business Enterprises in applicable Authority procurement opportunities and facilitation of the award of qualified procurement contracts, as identified by the Director of Contract Management, to such enterprises; (ii) the utilization of certified Minority and Women-Owned Business Enterprises as subcontractors and suppliers by entities having qualified procurement contracts with the Authority; and (iii) the utilization of partnerships, joint ventures or other similar arrangements between certified Minority and Women-Owned Business Enterprises and other entities having qualified procurement contracts with the Authority.

Article VI. Contracts with Former Officers or Employees

6.0 Contracts with former officers or employees of the Authority shall be permitted where the goods, personal services, Authority program work, or other administrative services are to the best advantage of the Authority and the contractual relationship is not otherwise prohibited by law or Authority policy. In particular, any former officer or employee of the Authority shall be held to the restrictions set forth in Public Authorities Law Section 73(8) on receiving compensation for any services rendered with respect to specified types of cases, proceedings, applications, matters, and transactions.

Article VII. New York State Business Enterprises and New York State Residents

7.0 It is the policy of the Authority to promote participation in qualified Procurement or Program Contracts by New York State Business Enterprises and New York State Residents, by encouraging them to compete through measures including, but not limited to:

- (a) Collecting and consulting the specifications of New York State Business Enterprises in developing any specifications for any Procurement or Program Contract for the purchase of goods where possible, practicable, feasible, and consistent with open bidding, except for Procurement or Program Contracts for which the Authority would be expending funds received from another state. The Authority will, where feasible, make use of the stock order specification forms prepared by the Commissioner of General Services and, where necessary, consult with the Commissioner of General Services in developing such specifications and making such determinations.
- (b) With the cooperation of the Department of Economic Development and through cooperative efforts with Contractors, providing for the notification of New York State Business Enterprises of opportunities to participate as subcontractors and suppliers on qualified Procurement Contracts in an amount estimated to be equal to or greater than one million dollars and promulgating procedures which will assure compliance by Contractors with such notification. Once awarded the contract, such Contractors shall document their efforts to encourage the participation of New York State Business Enterprises as subcontractors and suppliers on such qualified Procurement Contracts. Documented efforts by a successful Contractor shall consist of and be limited to showing that such Contractor has (a) solicited bids, in a timely and adequate manner, from New York State Business Enterprises, including certified minority and women-owned businesses, or (b) contacted the New York State Department of Economic Development to obtain listings of New York State Business Enterprises, or (c) placed notices for subcontractors and suppliers in newspapers, journals, and other trade publications circulated in New York State, or (d) participated in bidder outreach conferences. If the Contractor determines that New York State Business Enterprises are not available to participate on the contract as subcontractors or suppliers, the Contractor shall provide a statement indicating the method by which such determination was made. If the Contractor does not intend to use subcontractors on the contract, the Contractor shall provide a statement verifying such intent.
- (c) Except for Procurement Contracts for which the Authority would be expending funds received from another state, including in all bid documents provided to potential bidders a statement that information concerning the availability of New York State subcontractors and suppliers is available from the New York State Department of Economic Development, including the directory of certified minority and women-owned businesses, and that it is the policy of New York State to encourage the use of New York State subcontractors and suppliers and to promote the participation of minority and women-owned businesses, where possible, in the procurement of goods and services.

- (d) With the cooperation of the Community Services Division of the Department of Labor and through cooperative efforts with Contractors, providing for the notification of New York State residents of employment opportunities arising in New York State out of Procurement Contracts in an amount estimated to be equal to or greater than one million dollars; and promulgating procedures that will assure compliance by Contractors with notification by requiring Contractors to submit post-award compliance reports documenting their efforts to provide such notification through listing any such positions with the Community Services Division or providing for such notification in such manner as is consistent with existing collective bargaining contracts or agreements.
- (e) Including in each set of documents soliciting bids on qualified Procurement Contracts a statement notifying potential bidders in foreign countries that the Authority may assign or otherwise transfer offset credits created by such Procurement Contract to third parties located in New York State; providing for the assignment or other form of transfer of offset credits created by such Procurement Contracts, directly or indirectly, to third parties located in New York State, in accordance with the written directions of the Commissioner of Economic Development; and providing for the Authority otherwise to cooperate with the Department of Economic Development in efforts to get foreign countries to recognize offset credits assigned or transferred to third parties located in New York State created by such Procurement Contracts.
- (f) Promulgating procedures that will assure compliance with the federal Equal Employment Opportunity Act of 1972 (Pub. L. 92-261), as amended, by Contractors.

The Authority shall notify the Commissioner of Economic Development of the expected award of any Procurement or Program Contract for the purchase of goods, personal services, Authority program work, or other administrative services from a foreign business enterprise in an amount equal to or greater than one million dollars (\$1,000,000) simultaneously with notifying the successful bidder therefor. The Authority shall not enter into the Procurement or Program Contract until at least fifteen (15) days have elapsed, except for a Procurement Contract awarded on an emergency or critical basis. The notification to the Commissioner shall include the name, address, telephone and facsimile number of the foreign business enterprise, a brief description of the goods or services to be obtained pursuant to the proposed Procurement Contract, the amount of the proposed Procurement Contract, the term of the proposed Procurement Contract, and the name of the individual at the foreign business enterprise or person acting on behalf of the same who is principally responsible for the proposed Procurement Contract. For the purposes of this subdivision, "foreign business enterprise" means a business enterprise, including a sole proprietorship, partnership or corporation, which offers for sale, lease or other form of exchange, goods which are sought by the Authority and which are substantially produced outside New York State, or services, other than construction services, sought by the Authority and which are substantially performed outside New York State. For purposes of construction services, a foreign business enterprise shall mean a business enterprise, including a sole proprietorship, partnership or corporation, which has its principal place of business outside of New York State.

Article VIII. Publication of Notice of Procurement and Program Contracts

8.0 Except as provided in Section 9.1 below, prior to awarding any Procurement or Program Contract, the Authority shall submit to the Commissioner of the Department of Economic Development information on: (i) the contract identification number; (ii) a brief description of the goods or services sought, the location where goods are to be delivered or services provided and the contract term; (iii) the address where bids or proposals are to be submitted; (iv) the date when bids or proposals are due; (v) a description of any eligibility or qualification requirement or preference; (vi) a statement as to whether the contract requirements may be fulfilled by a subcontracting, joint venture, or co-production arrangement; (vii) any other information deemed useful to potential Contractors; and (viii) the name, address, and telephone number of the person to be contacted for additional information. Such information shall be submitted in sufficient time to allow a minimum of fifteen business days between publication of such notice and the date on which a bid or proposal is due, except where a shorter period is specifically authorized by law.

8.1 The provisions of Section 9.0 shall not apply to Procurement or Program Contracts: (i) awarded on an emergency or critical basis, or on the basis that publication is otherwise not feasible, such as those described in Sections 4.2 and 2.11 (ii) - (vi) of these Guidelines; (ii) being re-bid or re-solicited for substantially the same goods or services, within forty-five business days after the date bids or proposals were originally due; or (iii) any other procurements the Commissioner of the Department of Economic Development has determined do not require publication.

Article IX. Reporting of Procurement and Program Contracts

9.0 Procurement Contracts

- (a) As required by Public Authorities Law Section 2879, the Authority shall prepare for approval by the members at their June meeting, or at least annually, a report on Procurement Contracts, for the fiscal year ending March 31 of each year, which report shall include:
- i. The Procurement Contract Guidelines;
 - ii. An explanation of the Guidelines and any amendments since the last annual report on Procurement Contracts;
 - iii. A list of all Procurement Contracts entered into and active during the reporting period. This will include identification of:
 - a. All contracts with New York business enterprises;
 - b. All contracts with foreign business enterprises;
 - c. All contracts with certified Minority or Women-Owned Business Enterprises;
 - d. All contracts with certified Service-Disabled Veteran-Owned Business Enterprises;
 - e. The subject matter and value thereof;

iv. A summary of all Procurement Contracts which were exempt from the publication requirements under article 4-c of the economic development law, the basis for any such exemption and the status of existing Procurement Contracts.

(b) The members' approval of this report, which will include a list of all Procurement Contracts entered into during the prior year which provide for a period of performance by the contractor in excess of one year or which have continued for over one year, will be the members' approval of such individual Procurement Contracts, as required by Public Authorities Law Section 2879(3)(b)(iii).

Upon approval by the members of the Authority, the Authority shall submit the annual report on Procurement Contracts to the Division of the Budget, with copies to the Senate Finance Committee, the Assembly Ways and Means Committee, the Department of Audit and Control, and the Department of Economic Development.

9.1 Program Contracts

(a) The Authority shall prepare for review by the members at their June meeting, or at least annually, a report on Program Contracts, which report shall include description of the program contracting performed by the fiscal year, broken down by portfolio and program, that is sufficient to provide to the members an accurate reflection of the kinds and level of investment made by each of the Authority's programmatic portfolios and programs. Separate from this requirement, the Authority will also make available upon request to the members, a copy of the semi-annual reports that are required to be prepared under Public Authorities Law Section 1867(7).

9.2 The Authority shall make copies of its reports on Procurement and Program Contracts available on its website.

Article X. Miscellaneous Provisions

10.0 No violation of or failure to comply with the provisions of these Guidelines shall be deemed to alter, affect the validity of, modify the terms of, or impair any Procurement or Program Contract; nor shall any provision of these Guidelines or any violation of or failure to comply with such provisions be the basis for any claim against the Authority or any member, officer, or employee of the Authority.

10.1 The members of the Authority may, from time to time, amend these Guidelines, provided that no such amendment shall be deemed to alter, affect the validity of, modify the terms of, or impair any Procurement or Program Contract.

Article XI. Service-Disabled Veteran-Owned Business Enterprises

11.0 It is the policy of the Authority to increase participation of Certified Service-Disabled Veteran-Owned Business (SDVOB) Enterprises in its procurements.

The SDVOB rules and regulations apply to any procurement that conforms to the definition of State Contract as described in the rules and regulations, and as specifically applied to NYSERDA in Article 17-B Section 369-h(6)(d) of New York State Executive Law. State Contract is defined as: a written agreement or purchase order instrument, providing for a total expenditure in excess of \$25,000, whereby a contracting agency is committed to expend or does expend funds in return for labor, services including but not limited to legal, financial and other professional services, commodities, supplies, equipment, materials, technology or any combination of the foregoing, to be performed for, or rendered or furnished to the contracting agency; a written agreement in excess of \$100,000 whereby a contracting agency is committed to expend or does expend funds for the acquisition, construction, demolition, replacement, major repair or renovation of real property and improvements thereon; and, a written agreement in excess of \$100,000 whereby the owner of a State assisted housing project is committed to expend or does expend funds for the acquisition, construction, demolition, replacement, major repair or renovation of real property and improvements thereon for such project.

Article 17-A explicitly applies to NYSERDA only to the extent of State Contracts entered into for its own account or for the benefit of another qualifying state agency.

The Authority endeavors to promote and assist: (i) participation by certified SDVOB Enterprises in qualified Authority procurement opportunities and facilitation of the award of qualified Procurement Contracts to such enterprises; (ii) the utilization of certified SDVOB Enterprises as subcontractors and suppliers by entities having qualified Procurement Contracts with the Authority; and (iii) the utilization of partnerships, joint ventures or other similar arrangements between certified SDVOB Enterprises and other entities having qualified Procurement Contracts with the Authority.

The Authority hereby designates the Division of Service-Disabled Veterans' Business Development (DSDVD) within the New York State Office of General Services to certify and decertify eligible SDVOB Enterprises through a process that meets applicable state requirements.

On an annual basis, the Authority shall establish appropriate agency-specific goals for participation by SDVOB Enterprises in qualified Procurement Contracts awarded by the Authority, and for the utilization of SDVOB Enterprises as subcontractors and suppliers by entities having qualified State Contracts with the Authority pursuant to Article 17-B of the Executive Law and as specifically applied to NYSERDA in Article 17-B Section 369-h(6)(d). In accordance therewith, the Authority shall submit a Master Goal Plan, or Master Goal Plan update, for acceptance by the Division of Service-Disabled Veterans' Business Development.

The Authority shall conduct procurements in a manner that will enable it to achieve the maximum feasible portion of the goals it establishes and that will eliminate barriers to participation by

SDVOB enterprises.

The Authority has three primary options for using SDVOB Enterprises in its procurements: SDVOB Set Asides; SDVOB Contract Goal Setting; and, SDVOB Discretionary Purchasing. It is up to the Authority to determine which option, or combination of options, can best achieve the Authority goals in the Master Goal Plan.

(a) SDVOB Set Asides

- i. Set-asides permit the reservation in whole or in part of certain procurements by the Authority for SDVOBs when more than one SDVOB Enterprise is available and can provide the necessary construction, construction services, non-construction related services (including finance/bond management), technology, commodities, products and other classifications that will facilitate meeting the goal and meeting the Authority's form, function and utility.
- ii. SDVOB Contract Goal Setting
 - i. A required percentage of SDVOB participation may be placed on qualified procurements. Any contract that conforms to the definition of State Contract in Article 17-B of the Executive Law, and as specifically applied to NYSERDA in Article 17-B Section 369-h(6)(d), unless exempt or excluded, may be assessed for SDVOB participation goals.
- iii. SDVOB Discretionary Purchasing
 - i. SDVOB Enterprises may be chosen when making discretionary purchases up to \$200,000, pursuant to Section 4.2(b) of these Guidelines and State Finance Law.

(b) Waivers

- i. An SDVOB waiver is a reduction or elimination of the SDVOB goal that has been established for a qualified contract. The Authority may determine to make such a waiver in the event that it determines that such a waiver is necessary; moreover, it may grant a partial or total waiver of goal requirements established on a State Contract upon the submission of a waiver form by a contractor, documenting good faith efforts, as defined in the regulations, by the contractor to meet the goal requirements of the State Contract. The Authority shall consider the factors set out in the regulations in making its determination to grant or deny the waiver request.

The President and CEO of the Authority has general policy responsibility for the Authority's SDVOB Program. The Treasurer provides executive oversight and reports to the President, is familiar with the procurement of the types of construction, financial, legal and professional services utilized by the Authority, and participates in the procurement process directly and through designees. The Director of Contract Management, who reports to the Chief Operating Officer, shall manage day-to-day responsibilities for SDVOB reporting and implementation. The Authority Counsel's Office shall be responsible for SDVOB legislation oversight and compliance.

Annual Contracts Approvals

Contracts executed or modified during the period - 4/1/2021 to 3/31/2022

Category	Type	Count of Contracts	Committed this period	Count of Contracts for Annual Contract Approvals - Section 1	Committed to Date
PCMT	Competitive	332	\$105,481,649	665	\$381,149,212
	Discretionary	157	\$7,768,732	335	\$20,131,619
	Non-Competitive	51	\$8,125,795	82	\$14,934,922
	Total	540	\$121,376,176	1,082	\$416,215,754
Grand Total		540	\$121,376,176	1,082	\$416,215,754

NYSDA ANNUAL CONTRACTS REPORT - Section 1: All Contracts Open During the Period 4/1/2021 to 3/31/2022

Category	Initiative	Type	Term > 1 Year	Contract ID	Contractor	Project Description	Date	Committed this period	Committed to Date	Amt Paid this Period	Amt Paid to Date
PCMT	Null	Competitive	N	145204	The Cadmus Group, LLC	TWO 4 - RegionalFundingEntity	09/23/2019		\$103,310	\$17,458	\$98,679
		Competitive	N	151297	Sive Paget & Riesel PC	RFP 12: NYGB Legal Services	02/12/2020	\$86,343	\$166,852	\$78,284	\$158,793
		Competitive	N	167453	Randstad North America, Inc.	Payroll Services_Eval Intern	04/22/2021	\$21,548	\$21,548	\$5,470	\$5,470
		Competitive	Y	46964	Luminate, LLC	Outside Technical and Eng. Srv	09/05/2014	\$2,559	\$118,320	\$2,559	\$67,661
		Competitive	Y	109917	BDO USA LLP	Background Investigation Servi	02/07/2017	\$73,320	\$168,770	\$73,320	\$168,770
		Competitive	Y	117927	EME Consulting Engineering Group, LLC	Staff Augmentation Services	09/06/2017		\$3,634,063	\$575,613	\$2,557,000
		Competitive	Y	121807B	Uplight, Inc.	Residential Program MgtRFP3545	10/23/2019	\$132,600	\$1,816,994	\$604,104	\$979,720
		Competitive	Y	124908	First Columbia Property Services, LLC	Property Management	03/27/2018		\$983,829	\$205,470	\$866,531
		Competitive	Y	137992	Center for Sustainable Energy	TWO #3 - Drive Clean Program	03/12/2019	\$915,674	\$2,246,952	\$279,637	\$1,148,655
		Competitive	Y	149696	Nixon Peabody LLP	RFP 12 - NYGB Legal Services	12/31/2019	\$73,278	\$185,842	\$123,033	\$185,842
		Competitive	Y	150711	TRC Energy Services	SA.059_TWO #21 - Financing Sol	01/29/2020	\$351,000	\$687,473	\$169,256	\$346,498
		Competitive	Y	161130	The Cadmus Group, LLC	TWO #10 Climate Facilitation	11/19/2020	\$319,400	\$1,245,072	\$372,921	\$721,884
		Competitive	Y	169103	Coastal States Stewardship Foundation	RFQL 4550	06/02/2021	\$120,000	\$120,000	\$72,000	\$72,000
		Discretionary	Y	103918	The Trustees of Columbia University	Upstate building footprints	09/20/2016		\$97,330		\$33,310
		Discretionary	Y	141211	Honeywell International Inc.	SQA HPwES/EmPower in LI	06/10/2019		\$50,000	\$21,475	\$46,475
		Discretionary	Y	150902	InStream, LLC	microfilm reader/scanner	02/03/2020		\$9,945	\$300	\$9,945
		Discretionary	Y	150958	PLB Oil & Gas Consult LLC	NYGB Investment Support	02/04/2020	\$50,000	\$200,000	\$41,344	\$190,488
		Non-Competitive	Y	98838	DealCloud Inc.	DealCloud Licensing	05/24/2016				
		Competitive		161189	Guidehouse Inc.	TWO #5 - NG and REC Price Fore	11/20/2020		\$9,926		
		Competitive	N	152079	Randstad North America, Inc.	Payroll Services	03/03/2020		\$74,132	\$27,052	\$68,746
		Competitive	N	157123	DNV GL Energy Services USA Inc.		08/18/2020		\$13,920		
		Competitive	N	157124	Energy & Resource Solutions, Inc.		08/18/2020		\$49,706		
		Competitive	N	157327	Guidehouse Inc.	TWO #3 - Natural Gas Price For	08/26/2020		\$15,335		\$15,335
		Competitive	N	157879	Apprise, Incorporated	TWO 1 LMI Commun. Solar survey	09/08/2020	\$13,664	\$63,638	\$21,779	\$62,929
		Competitive	N	158430	Guidehouse Inc.	TWO #4 - VDER Alt 3 Forecast A	09/18/2020		\$12,046		
		Competitive	N	167830	BDO USA LLP	TWO - BofA	05/03/2021	\$15,000	\$15,000	\$15,000	\$15,000
		Competitive	N	169920	BDO USA LLP	TWO - Level Solar	06/17/2021	\$5,000	\$5,000	\$5,000	\$5,000
		Competitive	Y	150182	Randstad North America, Inc.	Temporary Services	01/14/2020		\$106,880	\$11,792	\$70,611
		Competitive	Y	165148	TRC Energy Services	SA.072_TWO #25_NY-SUN_Sr. PM	03/03/2021		\$557,709	\$248,615	\$248,615
		Competitive	Y	168220	EME Consulting Engineering Group, LLC	SA.076_TWO# 14_FS BA	05/11/2021	\$356,175	\$356,175	\$67,586	\$67,586
		Competitive	Y	168221	Kelliher Samets LTD	KSV TWO 42 IPNA Bridge Loan	05/11/2021	\$158,685	\$158,685	\$10,455	\$10,455
		Competitive	Y	168222	Kelliher Samets LTD	KSV TWO 41 Loan Loss Reserve	05/11/2021	\$158,305	\$158,305	\$57,708	\$57,708
		Competitive	Y	169912	BDO USA LLP	TWO - Renovus Blue Rock	06/17/2021	\$5,000	\$5,000	\$5,000	\$5,000
		Competitive	Y	171201	MDRC	Pay for Success CE Training	07/12/2021	\$1,060,680	\$1,060,680	\$201,618	\$201,618
		Competitive	Y	175528	Employee Leasing of Greater NY	TS.023 - SQA_Coordinator	10/14/2021	\$139,388	\$139,388	\$22,712	\$22,712
		Competitive	Y	182623	Energy and Environmental Economics Inc.	Value Stack Calculator Support	03/14/2022	\$50,000	\$50,000		
		Discretionary		140402	Stance Renewable Risk Partners LLC		05/21/2019		\$8,000		

NYSERDA ANNUAL CONTRACTS REPORT - Section 1: All Contracts Open During the Period 4/1/2021 to 3/31/2022

Category	Initiative	Type	Term > 1 Year	Contract ID	Contractor	Project Description	Date	Committed this period	Committed to Date	Amt Paid this Period	Amt Paid to Date	
PCMT		Discretionary	N	139951	Stance Renewable Risk Partners LLC		05/06/2019		\$10,000			
		Discretionary	N	147618	Citadel SPV LLC		11/15/2019		\$52,500			
		Discretionary	N	151060	Christopher Alan Hunter	NYGB - Level Solar		02/06/2020		\$50,000		\$7,830
		Discretionary	N	151556	Citadel SPV LLC	Executed Services Agreement		02/19/2020		\$80,000		
		Discretionary	N	155793	Caroprese & Company	PPP Customer Acquisition		07/14/2020	\$10,000	\$60,000	\$24,644	\$50,138
		Discretionary	N	157069	Aon Risk Consultants, Inc.	Aon Risk Consulting Services f		08/17/2020		\$5,000	\$2,500	\$2,500
		Discretionary	N	157226	Aon Risk Consultants, Inc.	Aon Insurance Consulting on CG		08/20/2020		\$5,000		
		Discretionary	N	157469	Stance Renewable Risk Partners LLC			08/28/2020		\$6,500		
		Discretionary	N	157935	TPR Enterprises LLC			09/09/2020		\$18,500		\$0
		Discretionary	N	158959	TPR Enterprises LLC			10/01/2020		\$10,360		\$10,360
		Discretionary	N	160704	Aon Risk Consultants, Inc.	Risk Consulting for Rudarpa Tr		11/10/2020		\$5,000		
		Discretionary	N	161582	Aon Risk Consultants, Inc.	Aon Risk Consulting for Edgewi		12/03/2020	\$5,000	\$5,000		
		Discretionary	N	177100	Adirondack Area Network	2021 Climate Action Council Mt		11/16/2021	\$5,976	\$5,976	\$5,976	\$5,976
		Discretionary	Y	156072	Pricewaterhouse Coopers, LLC	Daroga Tax Consulting Services		07/22/2020		\$10,000		\$10,000
		Discretionary	Y	159163	Allison van Hee	Contractor to NY Green Bank		10/05/2020		\$50,000		\$9,181
		Discretionary	Y	160547	Citadel SPV LLC	Financing with CCR		11/06/2020		\$140,000		
		Discretionary	Y	164371	Adewale Aremu Adesanya	Havenergy Technical Assistance		02/10/2021		\$500,000	\$124,970	\$124,970
		Discretionary	Y	174100	Alliant Insurance Services, Inc.	Moore McNeil - Level Solar		09/15/2021	\$50,000	\$50,000	\$17,500	\$17,500
		Non-Competitive	Y	138090	General Electric International Inc	GE MAPS Software		03/15/2019		\$391,500		\$391,500
		Non-Competitive	Y	177243	General Electric International Inc	GE MAPS Software 2021-2024		11/18/2021	\$436,500	\$436,500	\$145,500	\$145,500
76 West	Competitive	Y	168853	Allegis Group Holdings Inc	SA.078 - Innovation_APM		05/25/2021	\$295,870	\$295,870	\$76,449	\$76,449	
>200KW PV	Competitive	N	156843	Institute for Building Technology and Sa	TWO 3 CAT 1 NY-Sun Large C&I		08/11/2020	\$331,800	\$663,600	\$140,542	\$230,936	
	Competitive	N	165311	Energy and Environmental Economics Inc.	TWO#27 CValue&Solar Wht Papers		03/08/2021	\$288,368	\$543,368	\$407,553	\$407,553	
	Competitive	Y	104259	Hodgson Russ LLP	RFP 3300 & RFP 3776 Outside Co		09/27/2016		\$315,000	\$848	\$90,033	
	Competitive	Y	104266	Couch White, LLP	RFP 3300 Outside Counsel Servi		09/27/2016		\$111,313		\$7,233	
	Discretionary	N	161436	CHA Consulting Inc.	DC for SEQR Assistance		12/01/2020	\$40,000	\$50,000	\$417	\$8,874	
	Discretionary	N	174034	D.K. & S Enterprises Inc	3 GW Solar		09/14/2021	\$16,906	\$16,906	\$16,906	\$16,906	
	Discretionary	Y	178799	Advanced Energy Group L.L.C.	AEG Sponsorship		12/21/2021	\$25,000	\$25,000	\$25,000	\$25,000	
ADVANCED ENERGY CODES	Competitive	Y	62667	Building Media, Inc.	Energy Code Training and Suppo		04/16/2015		\$349,921		\$214,629	
	Competitive	Y	64597	ICF Resources, LLC	ECode Microsite		05/13/2015		\$249,961	\$7,673	\$188,413	
Advancing Ag Energy Technologie	Competitive	Y	148164	C.J. Brown Energy, P.C.	AAET - Tech Review - CJ Brown		11/26/2019		\$9,320		\$8,397	
	Competitive	Y	150947	Arcadis U.S., Inc.	AAET Tech Review_Arcadis TWO		02/04/2020		\$5,000	\$1,978	\$4,845	
	Discretionary	N	166534	Resource Innovation Institute	RII Membership		04/02/2021	\$5,000	\$5,000	\$5,000	\$5,000	
AGRICULTURE ENERGY EFFICIENCY	Competitive	Y	35743	Ensava, Inc.	AEEP Implementation Contractor		09/26/2013		\$4,217,605	\$285,640	\$4,075,333	
Air Source Heat Pumps	Competitive	Y	158961	The Cadmus Group, LLC	TWO #9 Whole House ASHP		10/01/2020		\$50,000	\$38,307	\$46,130	
	Discretionary	N	115212	Northeast Energy Efficiency Partnerships	NEEP 2017 Membership		06/27/2017		\$109,000		\$109,000	
	Discretionary	N	150442	Walter Snyder Printer, Inc.	Printing and Mailing services		01/21/2020		\$7,000		\$6,569	

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PCMT	Air Source Heat Pumps	Discretionary	Y	151119	SBW Consulting	Heat Pump Impact Evaluation	02/07/2020	\$29,719	\$79,719	\$69,705	\$74,581
		Discretionary	Y	153829	Owahgena Consulting, Inc.	Heat Pump Technical Assistance	04/30/2020	\$343,587	\$500,000	\$140,645	\$245,771
ANAEROBIC DIGESTER		Competitive	Y	29202	L&S Energy Services, Inc.	RPS-CST Quality Assurance/Qual	09/17/2012		\$59,869	\$11,150	\$58,619
		Competitive	Y	29204	Wendel WD Architecture, Engineering,	RPS-CST Quality Assurance/Qual	09/17/2012		\$71,292		\$67,744
Behavior Support for Pilots		Discretionary	Y	127000	Action Research Inc.	Behavior Support for Pilots	05/17/2018		\$50,000	\$2,294	\$2,294
BR: Program Implementation		Competitive	N	181606	Mintzer Mauch PLLC	TWO 1 - Build-Ready - Deferiet	02/28/2022	\$7,000	\$7,000		
		Competitive	Y	157999	Bond, Schoeneck & King, PLLC	BR-Outside Legal	09/10/2020	\$750,000	\$850,000	\$65,017	\$150,406
		Competitive	Y	159688	Sive Paget & Riesel PC	BR Outside Counsel Support	10/19/2020	\$250,000	\$350,000	\$21,220	\$119,576
		Competitive	Y	172487	Kelliher Samets LTD	TWO 43 Build Ready Marketing	08/09/2021	\$200,000	\$200,000	\$35,233	\$35,233
		Discretionary	N	180461	Penn Power Group LLC	Commercial Excellence Consult	01/28/2022	\$45,000	\$45,000		
BR: Prospecting		Discretionary	N	169234	Pictometry International Corp.	subscription for aerial images	06/07/2021	\$7,000	\$7,000	\$7,000	\$7,000
Buildings of Excellence		Competitive	Y	166992	Resource Refocus LLC	Task Work Order No. 3	04/13/2021	\$426,455	\$426,455	\$157,675	\$157,675
		Competitive	Y	166994	New Buildings Institute, Inc.	BoE Rnd.1 Perform. Validation	04/13/2021	\$244,193	\$244,193	\$107,889	\$107,889
		Discretionary	N	163101	Essense Partners Inc.	Round 2 BOE Awards Show	01/08/2021		\$45,000	\$17,676	\$45,000
Capital Planning		Competitive	Y	164468	Kelliher Samets LTD	TWO 38 MF Low Carbon	02/12/2021		\$20,060	\$14,753	\$14,753
Carbontech Development		Competitive	Y	174627	Activate Global, Inc	Carbontech Fellowship Program	09/27/2021	\$9,146,000	\$9,146,000	\$325,000	\$325,000
CI Carbon Challenge		Competitive	Y	ADH0014470	CHA Consulting Inc.	SA.019_TWO#1 - Industrial	11/20/2020		\$302,348	\$168,923	\$168,923
		Competitive	Y	ADH0014874	CHA Consulting Inc.	SA.030_TWO#2 - Industrial	11/20/2020		\$179,000	\$17,096	\$17,096
		Competitive	Y	ADH0014876	CHA Consulting Inc.	SA.031_TWO#3 - Industrial	11/24/2020		\$157,500	\$72,256	\$72,256
		Competitive	Y	ADH0014878	CHA Consulting Inc.	SA.034_TWO#5 - Industrial	11/25/2020		\$150,142	\$84,985	\$97,433
		Competitive	Y	ADH0014886	EME Consulting Engineering Group, LLC	SA.034_TWO#4 - Industrial	11/24/2020		\$154,757	\$71,040	\$71,040
		Discretionary	Y	150607	Adam Hinge	CI Carbon Challenge_Empire Ret	01/27/2020		\$200,000	\$107,405	\$184,764
		Non-Competitive	N	153099	Jared Rodriguez	Support for EBC_MF Low Carbon	04/02/2020		\$250,000	\$25,463	\$249,988
CI Engy Siting & Soft Cost Red		Competitive		142616	Randstad North America, Inc.	TS.001 - CES Coordinator	07/17/2019		\$160,542		\$56,248
		Competitive	N	139434	Arch Street Communications, Inc.	TWO 3: LSR RFP Outreach	04/23/2019		\$49,500		\$48,688
		Competitive	N	163481	Consensus Building Institute, Inc.	TWO #2 A-TWGW Faciilitator	01/20/2021		\$149,949	\$93,765	\$105,387
		Competitive	N	173103	Institute for Building Technology and Sa	TWO 5 under Umbrella Contract	08/24/2021	\$50,000	\$50,000		
		Competitive	Y	101044	Arcadis of New York, Inc.	Large Scales Renewables Techni	07/15/2016		\$632,727	\$15,445	\$501,802
		Competitive	Y	181596	TRC Energy Services	SA.088_TWO#28 - CES PM-2	02/24/2022	\$696,725	\$696,725		
		Discretionary	N	172919	United Solar Energy Supporters, Inc.	USES Video - Mount Morris	08/18/2021	\$40,500	\$40,500	\$25,000	\$25,000
Clean Energy Communities		Competitive	N	167541	Randstad North America, Inc.	Payroll Services_CEC PM-1	04/26/2021	\$143,013	\$143,013	\$36,395	\$36,395
		Competitive	N	180627	Randstad North America, Inc.	Payroll Services - Communities	02/01/2022	\$21,548	\$21,548	\$2,160	\$2,160
		Competitive	Y	104544A	Opinion Dynamics Corporation	RFQ3183 Umbrella Agreement	04/03/2019	\$690,638	\$1,112,870	\$414,655	\$593,343
		Competitive	Y	106226	Arch Street Communications, Inc.	Marketing Support for NYSERDA	11/03/2016	\$250,000	\$854,000	\$173,700	\$770,841
		Competitive	Y	146720	DNV Energy Insights USA Inc.	TWO 9 - CEC	10/28/2019		\$727,961	\$42,899	\$727,961
		Competitive	Y	149636	Randstad North America, Inc.	Temp Services	12/30/2019		\$21,600		\$21,600
		Non-Competitive	Y	146720	DNV Energy Insights USA Inc.	TWO 9 - CEC	10/28/2019	\$235,543	\$235,543	\$98,030	\$98,030

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PCMT	Clean Energy Communities	Non-Competitive	Y	149636	Randstad North America, Inc.	Temp Services	12/30/2019		\$143,000	\$21,336	\$50,806
	Clean Energy Hub	Competitive	N	174691	Kelliher Samets LTD	TWO44: Clean Energy Hubs Mktg	09/28/2021	\$37,540	\$37,540	\$37,513	\$37,513
CLEAN TRANSPORTATION	Competitive	Y	114065	Center for Sustainable Energy	Centralized Services & Support	05/25/2017	\$117,457	\$967,641	\$200,721	\$637,978	
	Competitive	Y	140105	Industrial Economics, Incorporated	TWO 2 New York State Truck – V	05/09/2019		\$2,012,767	\$290,534	\$830,616	
	Competitive	Y	150855	The Cadmus Group, LLC	TWO 5 Clean Transp Roadmap	01/31/2020		\$1,300,000	\$63,647	\$1,300,000	
	Competitive	Y	156628	Wendel Energy Services, LLC	NY Truck Voucher Prg. - Wendel	08/05/2020		\$20,000			
	Discretionary	N	164366	Resource Systems Group, Inc.	Modeling support for TAP	02/10/2021	\$1,608	\$21,608	\$20,000	\$20,000	
	Non-Competitive	Y	150855	The Cadmus Group, LLC	TWO 5 Clean Transp Roadmap	01/31/2020	\$138,979	\$232,571	\$232,571	\$232,571	
	Cleantech ICC Engage	Competitive	Y	160596	Randstad North America, Inc.	Payroll Services_Innovation	11/09/2020		\$305,897	\$156,634	\$214,988
Cleantech Ignition	Discretionary	N	154036	NECEC Institute	Cleantech Open Northeast (CTON)	05/06/2020		\$200,000	\$21,000	\$194,050	
	Discretionary	N	166589	NECEC Institute	2021 NECEC Sponsorship	04/05/2021	\$255,000	\$255,000	\$220,000	\$220,000	
	Discretionary	Y	165144	Dynamo Energy Hub	Dynamo	03/03/2021	\$49,000	\$49,000	\$16,000	\$16,000	
	Competitive	N	154985	Orrick Herrington & Sutcliffe LLP	RFP 12: NYGB Legal Services	06/17/2020	\$135,921	\$135,921	\$134,490	\$134,490	
Cleantech Incubator	Competitive	Y	151220	Mintz, Levin, Cohn, Ferris, Glovsky and	RFP 12 - NYGB Legal Services	02/11/2020	\$72,112	\$72,112	\$72,112	\$72,112	
	Discretionary	Y	158224A	RFP Enterprises LLC	RFP Enterprises LLC	01/15/2021		\$25,000	\$2,000	\$20,750	
	Competitive	Y	110474	Long Island High Technology Incubator	PON3413 Clean Energy Incubator	02/17/2017	\$380,000	\$380,000	\$252,362	\$252,362	
Cleantech POCC	Competitive	Y	159390	Willdan Energy Solutions	SA.062a_TWO#4 Tech to Market	10/09/2020		\$328,680	\$180,962	\$238,531	
	Competitive	Y	161136	Randstad North America, Inc.	Payroll Services_T2M	11/19/2020		\$251,478	\$106,252	\$147,629	
Code to Zero	Competitive	Y	180178	Jaros, Baum & Bolles	Support Empire Tech Prize	01/20/2022	\$455,000	\$455,000			
	Competitive	N	136611	Kelliher Samets LTD	TWO 26 Codes Marketing	01/29/2019		\$225,000	\$4,845	\$36,060	
	Competitive	N	137172	Harris Beach PLLC	Code to Zero	02/14/2019		\$23,000	\$1,079	\$21,635	
	Competitive	N	153176	Harris Wiltshire & Grannis LLP	Codes to Zero Outside Counsel	04/03/2020		\$50,000		\$34,793	
	Competitive	N	156223	Industrial Economics, Incorporated	TWO 1 StretchtoZero	07/27/2020		\$156,869	\$10,792	\$155,671	
	Competitive	N	161725	Hodgson Russ LLP	Zoning Code/Land Use Policy	12/08/2020		\$7,000			
	Competitive	N	167962	Randstad North America, Inc.	Payroll Services_Market Dev	05/05/2021	\$10,774	\$10,774	\$10,774	\$10,774	
	Competitive	N	168064	Randstad North America, Inc.	Payroll Services_CPS	05/07/2021	\$23,374	\$23,374	\$19,702	\$19,702	
	Competitive	N	173106	Newport Ventures, Inc.	TWO #4	08/25/2021	\$174,873	\$174,873	\$16,329	\$16,329	
	Competitive	Y	104542	The Cadmus Group, LLC	RFQ3183 Umbrella Agreement	10/05/2016	\$824,515	\$2,401,744	\$856,400	\$2,039,613	
	Competitive	Y	140859	New Buildings Institute, Inc.	Task Wok Order #2	05/30/2019		\$100,000		\$1,980	
	Competitive	Y	152390	Willdan Energy Solutions	SA.060_TWO #3 - Codes	03/11/2020		\$825,926	\$257,865	\$487,863	
	Competitive	Y	153604	Karpman Consulting, LLC	KARPMAN TWO#1 Training	04/20/2020		\$414,702	\$214,874	\$218,812	
	Competitive	Y	158886	Newport Ventures, Inc.	TWO3 Energy Code and NYStretch	09/29/2020		\$1,150,000	\$228,915	\$263,658	
	Competitive	Y	166481	Randstad North America, Inc.	Payroll Services_CPS Sr. PM	04/01/2021	\$483,327	\$483,327	\$145,618	\$145,618	
	Competitive	Y	172316	Battelle Memorial Institute	TWO #2 NYStretch Comm Modeling	08/04/2021	\$195,935	\$195,935	\$88,160	\$88,160	
	Competitive	Y	172317	Battelle Memorial Institute	TWO #3 NYStretch Res Modeling	08/04/2021	\$123,883	\$123,883	\$50,273	\$50,273	
	Discretionary	Y	155466	John Hans Lee	Support-Bldg Decarbonization	07/06/2020		\$500,000	\$159,600	\$361,288	
	Discretionary	Y	164912	International Code Council, Inc.	NYStretch 2020 Code Book	02/25/2021	\$16,500	\$16,500			

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PCMT	Code to Zero	Non-Competitive	N	167962	Randstad North America, Inc.	Payroll Services_Market Dev	05/05/2021	\$12,600	\$12,600	\$8,901	\$8,901
	Combined Heat and Power	Competitive	N	151553	ICF Resources, LLC	TWO #5 - RNG Potential	02/19/2020		\$196,079	\$42,914	\$153,426
		Competitive	N	157319	Energy & Resource Solutions, Inc.	TWO 1 On Site Res Power	08/25/2020	\$180,000	\$360,000		\$41,795
		Competitive	Y	68174A	Frontier Energy, Inc.	CHP System Inspection and ReCo	03/29/2018		\$3,165,108		\$394,315
		Competitive	Y	122632	Energy & Resource Solutions, Inc.	RFP 3643 Tech To Market	01/16/2018		\$2,350,000	\$18,248	\$2,084,442
	Commercial Market Mapping	Competitive	Y	136264	Meister Consultants Group, Inc.	NYSDA-Utility Collaboration	01/18/2019		\$200,000		\$116,445
	Commercial New Construc	Competitive	Y	165541	Energy & Resource Solutions, Inc.	TWO 2 - New Construction Eval	03/12/2021	\$2,007,165	\$2,007,165		
	Commercial Real Estate Ten	Competitive	N	141634	DNV Energy Insights USA Inc.	TWO 1 - CRE Tenant MAR Survey	06/20/2019		\$163,589		\$115,483
		Competitive	Y	104539	Opinion Dynamics Corporation	RFO3183 Umbrella Agreement	10/05/2016		\$1,285,871	\$142,354	\$717,294
		Competitive	Y	144829	Energy & Resource Solutions, Inc.	TWO 5 CEF Comm Impact_ERS	09/12/2019	\$170,595	\$674,515	\$12,345	\$160,219
		Competitive	Y	155547	Green Light New York, Inc.	Energy Efficiency Training TWO	07/08/2020		\$429,822	\$192,625	\$243,869
		Discretionary	N	174265	Reos US Inc.	Playbook Planning and Developm	09/20/2021	\$50,000	\$50,000	\$45,000	\$45,000
		Discretionary	Y	157938	NYC Climate Action Alliance Inc.	NYC Climate Action: Energy Sol	09/09/2020		\$50,000	\$34,000	\$34,000
		Discretionary	Y	158362	Environmental Defense Fund	Tenant Engagement - EDF	09/17/2020		\$49,888	\$32,864	\$49,888
	Community Energy Engagement	Competitive	N	157227	Industrial Economics, Incorporated	TWO1 - CEEP Evaluation	08/20/2020		\$683,267	\$108,147	\$194,597
	Community RH&C	Competitive	N	143941	Stone Environmental, Inc.	Westchester Ground Source Heat	08/20/2019		\$194,188		\$194,188
		Competitive	Y	171497	Randstad North America, Inc.	PS.056_CHC APM	07/16/2021	\$182,013	\$182,013	\$61,695	\$61,695
		Discretionary	N	143941	Stone Environmental, Inc.	Westchester Ground Source Heat	08/20/2019		\$49,738	\$44,686	\$49,713
		Discretionary	N	161972	University at Albany	CH&C Fellow	12/14/2020		\$23,500	\$23,500	\$23,500
	Consumer Awareness	Competitive	Y	145983	Kelliher Samets LTD	KSV TWO 30 Consumer Awareness	10/10/2019		\$2,803,610	\$1,025,401	\$2,037,367
	Consumer Ed and Market Support	Competitive	N	153189	Kearns & West, Inc.	TWO 1 - RMAG	04/04/2020	\$128,540	\$203,540	\$101,264	\$159,958
		Competitive	N	154396	Steven Winter Associates, Inc.	TWO 3 - Heat Pump Pattern Book	05/26/2020	\$100,000	\$500,000	\$58,261	\$341,130
		Competitive	Y	175999	Kelliher Samets LTD	TWO#45 SFR	10/22/2021	\$1,220,000	\$1,220,000	\$8,883	\$8,883
		Discretionary	N	170022	National Home Performance Council	2022 Home Performance Conf	06/21/2021	\$100,000	\$100,000	\$43,300	\$43,300
		Discretionary	Y	170025	BPCA NYS Inc.	Business Development Support	06/22/2021	\$300,000	\$300,000	\$80,000	\$80,000
	EDI Vendor	Discretionary	Y	150484	EC Infosystems, Inc.	EC Infosys - EDI Processing	01/22/2020	\$46,000	\$227,300	\$67,175	\$227,300
		Non-Competitive	Y	150484	EC Infosystems, Inc.	EC Infosys - EDI Processing	01/22/2020	\$69,000	\$69,000	\$36,325	\$36,325
	Electric Vehicles - Innovation	Competitive	N	155156	Nexant, Inc.	TWO #1	06/24/2020		\$293,750	\$123,275	\$293,638
		Competitive	N	155197	Energy and Environmental Economics Inc.	TWO#24 REV for CTR Grid Impact	06/25/2020		\$124,852	\$17,777	\$49,481
		Discretionary	N	175062	Benchmark Printing, Inc.	Printing EV Mailing Inserts	10/05/2021	\$18,161	\$18,161	\$18,161	\$18,161
		Non-Competitive	Y	132467-1	Unique Electric Solutions of NYS LLC	Electric Vehicles - Innovation	11/29/2018		\$400,000		\$341,333
	Electric Vehicles - Rebate	Competitive	N	161722	Industrial Economics, Incorporated	TWO2 - CT Evaluation	12/07/2020		\$970,794	\$343,122	\$373,364
	EMERGING TECHNOLOGY / ACCELERATED COMMERCIALIZATION	Competitive	N	49526	Meister Consultants Group, Inc.	REV CC - Meister CG	10/10/2014		\$499,872		\$357,763
		Competitive	Y	37380A	Frontier Energy, Inc.	Technical Review_Prgm Support	04/11/2018		\$459,891	\$12,554	\$169,815
	Empire Building Challenge	Competitive	N	157468	Kelliher Samets LTD	TWO 35: EBC Strat. Plan	08/28/2020		\$25,000		\$22,270
		Competitive	Y	156748	Rocky Mountain Institute	Empire Bldg. Challenge - RMI	08/07/2020	\$97,743	\$276,750	\$72,646	\$217,785
		Competitive	Y	162269	EME Consulting Engineering Group, LLC	SA.065a - TWO #12 - AES_PM	12/18/2020		\$477,103	\$213,798	\$213,798

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PCMT	ENERGY ANALYSIS	Competitive	N	136796	Energy and Environmental Economics Inc.	TWO#15 Solar PV Adoption Forec	02/04/2019		\$75,000	\$5,931	\$74,941
		Competitive	N	143569	ICF Resources, LLC	TWO #4 - Statewide NG Study	08/09/2019	\$181,003	\$1,395,364	\$183,711	\$1,071,579
		Competitive	N	145948	Frontier Energy, Inc.	TWO - Heat Pump Analysis	10/09/2019		\$49,750		\$49,749
		Competitive	N	147290A	DNV Energy Insights USA Inc.	TWO#1 OSW Resource Planning	02/27/2020		\$1,252,753	\$9,490	\$1,217,245
		Competitive	N	150851	Eastern Research Group, Inc.	TWO #1 CLCPA GHG	01/31/2020	\$74,998	\$519,995	\$96,922	\$501,889
		Competitive	N	151173	PA Consulting Group	TWO #2 Downstate Research	02/10/2020		\$50,000		\$49,984
		Competitive	N	152456	Rocky Mountain Institute	TWO# 2 Bldg. Elec. Roadmap	03/12/2020		\$50,000	\$49,559	\$50,000
		Competitive	N	161435	Randstad North America, Inc.	Payroll Services_Modeling & An	12/01/2020	\$1,326	\$22,926	\$11,326	\$21,437
		Competitive	N	164249	Kelliher Samets LTD	KSVTWO 37: Climate Act Website	02/08/2021		\$46,000	\$10,030	\$28,900
		Competitive	N	164848	Ove Arup & Partners Consulting Engineers	TWO1 CommBldg Elect Rdmap	02/24/2021		\$50,000	\$42,859	\$42,859
		Competitive	N	174573	Siemens Industry, Inc.	TWO#3 ZERO EMISSIONS IN 2040	09/24/2021	\$341,000	\$341,000	\$156,499	\$156,499
		Competitive	N	175731	Randstad North America, Inc.	Data and Markets Intern	10/20/2021	\$21,548	\$21,548	\$14,818	\$14,818
		Competitive	Y	101128	ICF Resources, LLC	Tech Assist, REV Pool	07/15/2016	\$85,000	\$986,977	\$115,600	\$969,094
		Competitive	Y	123055	ICF Resources, LLC	RFQL 3685 - Flexergy 3.0	02/01/2018		\$399,883	\$4,906	\$380,132
		Competitive	Y	127158	The Cadmus Group, LLC	RFQL 3685 R2 Umbrella	05/22/2018		\$222,332		\$220,854
		Competitive	Y	135251	Industrial Economics, Incorporated	TWO 1 EE Supply Curve Analysis	12/17/2018	\$90,000	\$458,668	\$66,029	\$409,868
		Competitive	Y	137759	Kelliher Samets LTD	TWO 27: 2019 SEP Marketing	03/06/2019		\$250,000		\$14,323
		Competitive	Y	144446	Siemens Industry, Inc.	TWO #1: 100x40 Study	09/04/2019		\$1,665,628	\$836,103	\$1,530,592
		Competitive	Y	147152	TRC Energy Services	SA.053a_TWO #20 - EEA	11/05/2019	\$242,478	\$495,556	\$116,678	\$345,886
		Competitive	Y	151905	PA Consulting Group	TWO #3 Nat. Gas Tech. Support	02/27/2020		\$700,000	\$16,735	\$700,000
		Competitive	Y	152083	Energy and Environmental Economics Inc.	TWO#21 - NG Avoided Cost Tool	03/04/2020		\$150,000	\$12,243	\$150,000
		Competitive	Y	152640	Resources for the Future Inc	TWO #1 Social Cost of Carbon	03/17/2020		\$150,000		\$46,501
		Competitive	Y	154102	Randstad North America, Inc.	Payroll Services_Policy Dev	05/12/2020		\$164,600		\$41,718
		Competitive	Y	155192	Energy and Environmental Economics Inc.	TWO#23 CLCPA Techno-Economic	06/25/2020	\$388,928	\$1,041,059	\$589,590	\$1,041,028
		Competitive	Y	156808	Abt Associates Inc.	TWO 2 formerly 30191 TWO #5	08/10/2020		\$129,763	\$894	\$129,763
		Competitive	Y	167784	Energy and Environmental Economics Inc.	TWO #28 BEEM Tool & Scenarios	04/30/2021	\$425,000	\$425,000	\$425,000	\$425,000
		Competitive	Y	ADH0014578	Allegis Group Holdings Inc	SA.020_TWO #5_EEA Coordinator	01/20/2021		\$15,067		
		Discretionary		173557	Regional Economic Models, Inc	REMI User License and Fee 2021	09/01/2021	\$44,000	\$44,000	\$44,000	\$44,000
		Discretionary	N	124448	Max Wei	Technical Assistance for EEA	03/21/2018		\$10,000		\$600
		Discretionary	N	141918	Resources for the Future Inc	ENERGY ANALYSIS	06/27/2019		\$50,000		
		Discretionary	N	151636	Argus Media Inc.	ENERGY ANALYSIS	02/20/2020		\$30,010	\$15,442	\$30,010
		Discretionary	N	159684	IHS Global Inc.	OPIS Alerts and Newsletter	10/16/2020		\$6,300		\$5,395
		Discretionary	N	168541	ICE Data, LP	WebICE and ICE Connect Renewal	05/18/2021	\$21,680	\$21,680	\$20,825	\$20,825
		Discretionary	N	173115	IHS Global Inc.	2021-22 OPIS Alerts&Newsletter	08/26/2021	\$6,708	\$6,708	\$6,708	\$6,708
		Discretionary	N	174449	DTN, LLC	Purchase 12-month subscription	09/22/2021	\$23,760	\$23,760	\$23,760	\$23,760
		Discretionary	N	181442	Argus Media Inc.	Renewal - Argus Subscriptions	02/22/2022	\$16,368	\$16,368	\$16,368	\$16,368
		Discretionary	Y	114897	Energy & Environmental Research	EEA Project and Program Review	06/19/2017		\$25,000		\$2,000

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Category	Initiative	Type	Term > 1 Year	Contract ID	Contractor	Project Description	Date	Committed this period	Committed to Date	Amt Paid this Period	Amt Paid to Date
PCMT	ENERGY ANALYSIS	Discretionary	Y	115210	Resources for the Future Inc	ENERGY ANALYSIS	06/26/2017		\$50,000		
		Discretionary	Y	128474-1	Bloomberg Finance LP	Bloomberg Datafeed Access	01/11/2019	\$10,544	\$80,324	\$23,940	\$80,324
		Discretionary	Y	150710	ICE Data, LP	ENERGY ANALYSIS	01/29/2020	\$21,680	\$42,380	\$780	\$20,280
		Non-Competitive	N	180513	Brattle Group Inc.	Post-Conference Comment Dev	01/31/2022	\$25,000	\$25,000		
		Non-Competitive	N	181419	IHS Global Inc.	IHS Markt Subscription 2022	02/17/2022	\$60,506	\$60,506		
		Non-Competitive	N	182410	Arch Street Communications, Inc.	Climate Action Council Public	03/10/2022	\$222,000	\$222,000		
		Non-Competitive	Y	115215	Resources for the Future Inc	Macroeconomic Methods	06/27/2017		\$50,000		\$31,454
		Non-Competitive	Y	156808	Abt Associates Inc.	TWO 2 formerly 30191 TWO #5	08/10/2020	\$75,000	\$75,000	\$74,537	\$74,537
Energy Storage Tech/Prod Dev	Discretionary	N	177791	Liberty Utilities St Lawrence Gas Corp.	Hydrogen Feasibility Study	12/01/2021	\$49,000	\$49,000	\$17,900	\$17,900	
Environmental Research	Competitive	N	137641	The Cadmus Group, LLC	TWO 3 - RegionalFundingEntity	03/04/2019		\$122,615			\$122,610
	Competitive	N	157021	Guidehouse Inc.	TWO #3 HFC Mitigation	08/14/2020	\$15,000	\$315,000	\$32,723	\$312,104	
	Competitive	N	163770	ICF Resources, LLC	TWO #8 Electricity System Mode	01/28/2021		\$49,671	\$49,671	\$49,671	
	Competitive	N	166005	Keams & West, Inc.	TWO 4 Learning from Experts	03/23/2021		\$49,943	\$40,240	\$40,240	
	Competitive	N	170845	Resources for the Future Inc	TWO #3 Carbon Pricing Regime	07/02/2021	\$199,977	\$199,977			
	Competitive	Y	100416	Research Foundation of SUNY	Combining Measurements and Mod	06/29/2016		\$382,848	\$1,421	\$382,848	
	Competitive	Y	100417	Research Foundation of SUNY	IDEA-NYS air quality forecast	06/29/2016	\$129,174	\$537,316	\$46,596	\$428,024	
	Competitive	Y	103851	SUNY - ESF	Biofiltration drainage media	09/20/2016	\$49,986	\$342,897	\$79,682	\$310,418	
	Competitive	Y	103862	The Trustees of Columbia University	Tropical Cyclone Risk Model	09/20/2016		\$299,873	\$15,528	\$298,154	
	Competitive	Y	103918	The Trustees of Columbia University	Upstate building footprints	09/20/2016		\$292,829		\$292,829	
	Competitive	Y	137484	University of Rochester	AQHE PON 3921	02/25/2019	\$130,575	\$130,575	\$0	\$0	
	Competitive	Y	139864	Abt Associates Inc.	TWO#1 Pathways Health	05/02/2019	\$190,000	\$390,000	\$151,458	\$287,457	
	Competitive	Y	140110A	Guidehouse Inc.	TWO 1 - Assessment of Carbon C	04/06/2020		\$20,977		\$19,029	
	Competitive	Y	145446A	Guidehouse Inc.	TWO #2 Equitable Cooling	04/06/2020		\$261,887	\$36,009	\$169,295	
	Competitive	Y	152319	NESCAUM	TWO #7 LISTOS Air Quality Mode	03/10/2020		\$134,500	\$29,775	\$81,080	
	Competitive	Y	152820	ICF Resources, LLC	TWO #6 Climate Technical Asst.	03/23/2020		\$200,000	\$18,561	\$45,887	
	Competitive	Y	152856	Industrial Economics, Incorporated	TWO#4 Climate Econ. Impact	03/24/2020	\$750,000	\$849,949	\$125,436	\$223,816	
	Competitive	Y	153679	Columbia University	TWO#1 Updating CLIMAID	04/23/2020		\$99,552	\$11,022	\$97,794	
	Competitive	Y	154005	Ecology and Environment Engineering	TWO #20 G&G Survey	05/05/2020		\$84,700	\$4,677	\$65,702	
	Competitive	Y	154006	Ecology & Environment, Inc.	Owner's Engineering	05/05/2020		\$807,153	\$188,459	\$576,321	
	Competitive	Y	154265	American Solar Grazing Association, Inc.	PON 4270 PV Site Design	05/19/2020		\$198,000	\$34,689	\$36,614	
	Competitive	Y	154268	DNV GL Energy USA, Inc.	PV Solar Site Design- PON 4270	05/19/2020		\$184,725	\$13,485	\$99,165	
	Competitive	Y	154272	Cornell University	PON 4270 PV Site Design	05/19/2020		\$199,999			
	Competitive	Y	154273	The Nature Conservancy	PV Site Design (PON 4270)	05/19/2020		\$198,000	\$31,392	\$35,833	
	Competitive	Y	154274	Tetra Tech, Inc.	PON 4270 PV Site Design	05/19/2020		\$233,000	\$39,931	\$108,974	
	Competitive	Y	155697	Consensus Building Institute, Inc.	TWO #1 -Facilitator	07/13/2020		\$458,295	\$84,939	\$128,211	
	Competitive	Y	155698	Eastern Research Group, Inc.	TWO #2 Coordinator Assessment	07/13/2020		\$2,625,427	\$684,529	\$708,961	
	Competitive	Y	156225	Fund for Public Health in New York, Inc.	Assessment for Energy Policy	07/27/2020		\$273,900	\$84,351	\$84,351	

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PCMT	Environmental Research	Competitive	Y	156226	University of Rochester	Changes in PM Composition	07/27/2020	\$133,370	\$681,523	\$150,988	\$150,988
		Competitive	Y	156227	The Research Foundation for the State	Mobile Laboratory Measurements	07/27/2020	\$149,496	\$548,442	\$15,996	\$15,996
		Competitive	Y	156228	The Research Foundation for the State	Low-Cost AQ Sensors	07/27/2020	\$58,583	\$603,152	\$84,340	\$90,395
		Competitive	Y	158363	Harrisburg University of Science and Tec	spatial and temporal variation	09/17/2020		\$499,976	\$302,240	\$302,240
		Competitive	Y	161194	NESCAUM	TWO #8 AEROMMA	11/20/2020		\$523,427	\$113,021	\$114,517
		Competitive	Y	162801	NESCAUM	TWO #10 Air Quality	12/30/2020		\$835,000	\$140,809	\$140,809
		Competitive	Y	165245	ICF Resources, LLC	TWO#9 NYS Elect System Model	03/05/2021	\$104,671	\$140,000	\$124,479	\$124,479
		Competitive	Y	165376	NESCAUM	TWO #11 Wood Heating	03/09/2021	\$300,000	\$699,500	\$83,074	\$83,074
		Competitive	Y	175460	WSP USA Corp.	Suppt Svcs for Solar Dev & Ag	10/13/2021	\$274,295	\$274,295	\$34,310	\$34,310
		Competitive	Y	175937	Abt Associates Inc.	TWO #3 Pathways Health Phase 2	10/22/2021	\$350,000	\$350,000		
		Competitive	Y	177013	Protek Information Technology Services	NYSDERDA/DEC AQ Monitoring	11/12/2021	\$7,949,375	\$7,949,375		
		Competitive	Y	181031	NESCAUM	TWO#12 Sidewash Algorithm	02/09/2022	\$185,000	\$185,000		
		Competitive	Y	181041	NESCAUM	TWO#14 Acceptance Tsting Mthds	02/10/2022	\$515,000	\$515,000		
		Discretionary	N	102959-1	Research Foundation of SUNY	Forest Biomass	05/15/2017		\$49,992	\$15,299	\$49,992
		Discretionary	N	130230	Eworld	KEBA Analysis; TRNSYS Modeling	08/16/2018		\$24,500	\$10,000	\$24,500
		Discretionary	N	146630	Columbia University	Climate Info Needs Assessment	10/25/2019		\$49,910		\$48,600
		Discretionary	N	149850	Research Foundation of SUNY	Graduate Fellowship - Biomass	01/07/2020	\$45,000	\$90,000	\$38,121	\$77,636
		Discretionary	N	150905	BLIX Consultancy BV	GG Procurement Support	02/03/2020		\$33,984		\$17,346
		Discretionary	N	151291	USGS National Center MS270	Regional Network -Soil Carbon	02/12/2020		\$35,000	\$11,000	\$11,000
		Discretionary	N	153938	Resource Refocus LLC	FTMY Literature Review	05/01/2020		\$49,780		\$47,556
		Discretionary	N	178856	Kearns & West, Inc.	K&W TWO#11 Hudson River WS	12/23/2021	\$49,999	\$49,999		
		Discretionary	N	180118	455 Hospitality LLC	State of the Science 2022	01/20/2022	\$14,000	\$14,000		
		Discretionary	N	181602	Pace University	ATWG Tech Services	02/25/2022	\$50,000	\$50,000		
		Discretionary	Y	31577	Richard E. Gibbs, Ph.D., P.E.	env program science advisor	03/15/2013		\$35,000		\$11,311
		Discretionary	Y	103081	Praveen Amar	Environmental Research Science	09/13/2016		\$40,000		\$24,150
		Discretionary	Y	104107	Watershed Assessment Associates, LLC	Aquatic Macroinvertebrate ID	09/22/2016		\$24,000	\$3,840	\$18,600
		Discretionary	Y	134909	Praveen Amar	Amar ENV Rsch Science Advisor	12/07/2018		\$45,000		\$31,774
		Discretionary	Y	137484	University of Rochester	AQHE PON 3921	02/25/2019		\$49,057	\$0	\$0
		Discretionary	Y	154665	Praveen Amar	Science Advisors	06/04/2020	\$48,000	\$96,000	\$39,800	\$78,600
		Discretionary	Y	154668	American Society of Adaptation Professio	Climate Change Research	06/04/2020		\$49,500	\$30,908	\$45,709
		Discretionary	Y	154671	George Hidy	Science Advisor	06/04/2020		\$48,000	\$1,800	\$3,200
		Discretionary	Y	154672	Daniel J Jacob	Science Advisor	06/04/2020		\$48,000	\$6,800	\$18,400
		Discretionary	Y	154674	Dr. Richard Schlesinger	Science Advisors	06/04/2020		\$48,000		\$5,700
		Discretionary	Y	160006	Ithaca College	Methane emissions measurements	10/26/2020		\$49,913	\$40,873	\$40,873
		Discretionary	Y	160536	The Trustees of Columbia University	methane emissions measurements	11/05/2020		\$49,743	\$49,696	\$49,696
		Discretionary	Y	164362	Pace University	A-TWG facilitation services	02/10/2021		\$49,997	\$49,997	\$49,997
		Discretionary	Y	164369	Cornell University	Cornell Climate Stewards	02/10/2021	\$50,000	\$50,000		

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PCMT	Environmental Research	Discretionary	Y	165489	Rensselaer Polytechnic Institute	A survey of Climate Change	03/11/2021	\$47,789	\$47,789		
		Discretionary	Y	169102	Adirondack Center for Loon	Mercury Pollution-Common Loons	06/02/2021	\$49,500	\$49,500	\$33,000	\$33,000
		Discretionary	Y	181166	Bethany Meys	Project Manager I	02/13/2022	\$435,000	\$435,000		
Equitable Engagement	Non-Competitive	Y	163901	Hester Street Collaborative, Inc.	Equitable Stakeholder Engagem	01/29/2021	\$990,000	\$990,000	\$583,075	\$583,075	
ESTOR: Implementation Support		Competitive	N	155831	Frontier Energy, Inc.	TWO 1 Cat 2 Energy Storage	07/15/2020		\$400,000	\$94,781	\$113,977
		Competitive	N	156844	Institute for Building Technology and Sa	TWO 2 Cat 1 Energy Storage	08/11/2020		\$900,000	\$4,573	\$6,009
		Competitive	N	158361	Frontier Energy, Inc.	TWO 2 Cat. 3 Energy Storage	09/17/2020	\$400,000	\$800,000	\$299,030	\$359,545
		Competitive	N	180711	Energy and Environmental Economics Inc.	TWO5 Energy Storage Roadmap 2	02/02/2022	\$399,741	\$399,741	\$23,313	\$23,313
ESTOR:Consumer Education		Competitive	N	159280	Hodgson Russ LLP	PSC Energy Storage Policies	10/07/2020		\$15,000	\$11,489	\$11,489
		Competitive	Y	147151	Kelliher Samets LTD	KSV TWO 31 Energy Storage	11/05/2019		\$70,090		\$49,856
Eval MCDC Cross Cutting		Competitive	Y	144304	D & R International Ltd	Heating & Cooling Reports	08/29/2019		\$138,600	\$23,100	\$69,300
		Discretionary	N	166991	CoStar Realty Information, Inc.	2021-22 Costar Subscription Sv	04/13/2021	\$22,818	\$22,818	\$22,818	\$22,818
		Discretionary	N	166993	Consumerbase LLC	Purchase Industrial email addr	04/13/2021	\$14,102	\$14,102	\$14,102	\$14,102
		Discretionary	N	178170	Data Nerds Marketing Ltd.	Purchase Building Data	12/08/2021	\$15,000	\$15,000	\$15,000	\$15,000
		Discretionary	Y	150531	Dodge Data & Analytics	Business Intelligence Subscrip	01/23/2020		\$46,675	\$13,388	\$46,675
		Non-Competitive	Y	180119	Infogroup Government Division	Data Purchase	01/20/2022	\$475,000	\$475,000		
Eval MCDC EE Master Soft Cost	Competitive	Y	137083	The Cadmus Group, LLC	TWO#4 Soft Cost study	02/12/2019		\$654,886	\$137,492	\$484,531	
Eval MCDC LMI	Discretionary	Y	136265	The Cadmus Group, LLC	EVALUATION	01/18/2019		\$50,000		\$45,573	
Eval MCDC: ccASHP Summer Meter	Discretionary	N	175107	E4TheFuture Inc.	ccASHP Cooling Study	10/06/2021	\$25,000	\$25,000	\$25,000	\$25,000	
Eval MCDC: CEF Plan Support	Discretionary	N	176130	Ruth Horton	Senior Advisor Services	10/26/2021	\$9,750	\$9,750	\$9,750	\$9,750	
EVAL MCDC: DAC Barriers/Opport	Competitive	N	173089	Illume Advising LLC	TWO No 1 - DAC Barriers Report	08/23/2021	\$280,661	\$280,661	\$280,637	\$280,637	
Eval MCDC: Ind Fac Stock Study	Competitive	Y	168546	DNV Energy Insights USA Inc.	Statewide Industrial Facility	05/18/2021	\$2,588,537	\$2,588,537			
Eval MCDC: MF Building Stock	Competitive	Y	160541	The Cadmus Group, LLC	Statewide Multifamily Baseline	11/05/2020		\$3,500,000	\$1,071,601	\$1,071,601	
Eval MCDC: MF Potential Study		Competitive	N	158124	The Cadmus Group, LLC	TWO #8 EE Potential - Multifam	09/14/2020		\$250,000	\$24,838	\$250,000
		Non-Competitive	N	158124	The Cadmus Group, LLC	TWO #8 EE Potential - Multifam	09/14/2020	\$40,000	\$40,000	\$40,000	\$40,000
Eval MCDC: StatewideHP Tech.St	Competitive	Y	170337	DNV Energy Insights USA Inc.	TWO 1 Statewide EMV Study HP	06/28/2021	\$1,782,015	\$1,782,015	\$379,468	\$379,468	
Eval MCDC:Climate Act Benefits	Competitive	Y	177874	Illume Advising LLC	TWO #2 - DAC Benefits	12/02/2021	\$452,350	\$452,350	\$74,415	\$74,415	
Eval MCDC:I&R Product Dev.Stud	Competitive	Y	175678	DNV Energy Insights USA Inc.	TWO#2 I&R Product Dev 2016-20	10/18/2021	\$650,857	\$650,857	\$59,933	\$59,933	
EVAL MCDC:SQA LMI Behav. Study	Discretionary	N	171137	Illume Advising LLC	LMI Quality Assurance Inspecti	07/08/2021	\$9,980	\$9,980	\$6,024	\$6,024	
EVALUATION		Competitive	N	136171	The Cadmus Group, LLC	TWO#2-Top_Down_Analysis	01/16/2019		\$238,508		\$160,609
		Competitive	N	143201	Energy & Resource Solutions, Inc.	TWO 3 - GJGNY Audit Only Study	08/01/2019		\$117,427		\$117,423
		Competitive	N	143212	ICF Incorporated LLC	TWO 1 -GJGNY Audit Only Impact	08/02/2019		\$49,346		\$43,037
		Competitive	N	159392	Guidehouse Inc.	TWO #4 PM&IP	10/09/2020		\$47,137	\$5,136	\$47,126
		Competitive	N	172488	Carahsoft Technology Corporation	2021-22 Qualtrics Software	08/09/2021	\$60,695	\$60,695	\$60,695	\$60,695
		Competitive	Y	104535	NMR Group, Inc.	RFQ 3183 NMR Group, Inc.	10/05/2016	\$107,662	\$405,583	\$30,046	\$318,332
		Competitive	Y	177993	DNV Energy Insights USA Inc.	TWO 3 - Solar PV/Energy Stor	12/06/2021	\$2,767,190	\$2,767,190	\$24,620	\$24,620
		Discretionary	N	148895	Plugged In Strategies	Data Privacy and Data Access	12/12/2019		\$49,999	\$1,750	\$16,573

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PCMT	EVALUATION	Discretionary	N	177995	International Energy Program	IEPEC Jan 2022 Sponsorship	12/06/2021	\$5,000	\$5,000		
	Evaluation External	Competitive	N	169413	Michaels Energy, Inc.	TWO 2 - Impact Eval PM Assist	06/09/2021	\$538,200	\$538,200	\$31,664	\$31,664
	EVPRZ:Implementation	Competitive	Y	164651	TRC Energy Services	SA.071_TWO# 20_Clean Trans_PM	02/18/2021		\$405,633	\$198,130	\$198,130
		Discretionary	N	159335	Greenwood Strategies LLC	Clean Transportation Prize Dev	10/08/2020		\$40,000	\$12,750	\$18,250
		Non-Competitive	N	159174	The Common Pool, LLC	Common Pool Contract	10/06/2020		\$600,000	\$100,000	\$600,000
	FLEXIBLE TECHNICAL ASSISTANCE	Competitive	Y	37382	TRC Energy Services	Technical Review and Program S	11/15/2013		\$1,841,872		\$1,832,055
	FUEL NY	Competitive	N	48593	Buckeye Terminals, LLC	Upstate NY Strategic Fuels Res	09/25/2014	\$1,280,483	\$10,650,817	\$1,281,717	\$9,771,175
		Competitive	Y	37366	Arcadis U.S., Inc.	Tech Review & Program Staff	11/15/2013		\$12,524,930		\$10,383,514
		Discretionary	Y	171599	Arcadis U.S., Inc.	Tech Support FuelNY Bkup Power	07/20/2021	\$49,000	\$49,000	\$1,500	\$1,500
	Geothermal Incentive Program	Competitive	N	147082	Apprise, Incorporated	TWO #3 - Survey Work	11/04/2019		\$83,543	\$11,618	\$50,822
Competitive		Y	127557	Frontier Energy, Inc.	3695 TWO Umbrella Agreement	06/04/2018		\$700,000	\$54,836	\$674,840	
Competitive		Y	148235	Energy & Resource Solutions, Inc.	TWO 6 - Performance Monitoring	11/27/2019		\$1,543,451	\$113,758	\$1,200,958	
Competitive		Y	148235A	DNV Energy Insights USA Inc.	TWO 6 - Performance Monitoring	07/16/2021	\$342,493	\$342,493	\$342,493	\$342,493	
Discretionary		N	147959	ADM Associates, Inc.,	Performance Monitoring and Eva	11/22/2019		\$50,000		\$2,025	
Discretionary		N	151167	West Hill Energy & Computing, Inc.	Heat Pump Impact Evaluation	02/10/2020		\$50,000		\$7,391	
GJGNY REVOLVING LOAN FUND	Competitive	Y	105451	Omnicap Group, LLC	Financial Advisory Services	10/21/2016		\$500,000		\$185,876	
	Discretionary	Y	164873	Sycamore Advisors, LLC	Financial Advisor	02/25/2021		\$220,000	\$25,489	\$25,489	
	Non-Competitive	Y	34250A	Vervent Inc.	GJGNY REVOLVING LOAN FUND	11/04/2019		\$296,555	\$66,131	\$154,252	
	Non-Competitive	Y	68533	Bank of New York	\$3000 annual fee for 14 yrs	07/08/2015		\$57,000	\$4,000	\$32,000	
	Non-Competitive	Y	71389	Bank of New York	EFC REEF 2015 FEE 2015	08/19/2015		\$62,000	\$3,000	\$23,000	
	Non-Competitive	Y	104094	Bank of New York	GJGNY 2016 Bonds Trustee	09/21/2016		\$62,000	\$3,000	\$23,200	
	Non-Competitive	Y	167452	LoanStreet Inc.	Participation sale of GJGNY	04/22/2021	\$1,000,000	\$1,000,000	\$111,841	\$111,841	
Grid Emissions Whitepaper	Competitive	N	159559	Energy and Environmental Economics Inc.	TWO#26 Grid Emission Factors	10/15/2020		\$180,667	\$87,124	\$180,660	
Healthy Homes VB Payment Pilot	Competitive	N	157590	Randstad North America, Inc.	Payroll Services_EAE	09/01/2020	\$97,500	\$195,000	\$95,675	\$146,675	
	Competitive	Y	150497	Guidehouse Inc.	TWO 3 NYS Healthy Homes VBP	01/22/2020		\$398,960	\$142,306	\$192,217	
	Non-Competitive	Y	167597	American Lung Association	NYS HH VBP Pilot Products	04/27/2021	\$120,000	\$120,000	\$4,041	\$4,041	
High Performing Grid	Competitive	N	141164	Industrial Economics, Incorporated	TWO 1 Grid Moderniz Case Study	06/07/2019		\$46,736		\$46,053	
	Competitive	N	170291	General Electric International, Inc.	Grid Performance Gaps	06/25/2021	\$745,000	\$745,000	\$149,000	\$149,000	
	Competitive	N	170292	Quanta Technology LLC	Grid Performance Gaps	06/25/2021	\$687,000	\$687,000	\$141,000	\$141,000	
	Competitive	N	170637	Brattle Group Inc.	TWO #4 Grid Performance Gaps	06/30/2021	\$675,000	\$675,000	\$135,000	\$135,000	
	Competitive	N	179680	Booz Allen Hamilton, Inc.	Task Work Order 4	01/11/2022	\$111,926	\$111,926			
	Competitive	Y	139096	Pterra, LLC	PTerra work for ITWG	04/11/2019		\$250,000	\$100,645	\$198,205	
	Competitive	Y	172056	Alliance for Sustainable Energy, LLC	TWO #8 NREL TWO for Resilience	07/29/2021	\$380,215	\$380,215	\$150,000	\$150,000	
Home Energy Ratings	Competitive	Y	172914	ADM Associates, Inc.,	TWO # 1	08/18/2021	\$915,184	\$915,184			
Home Perf w Energy Star	Competitive	N	147909	Randstad North America, Inc.	Payroll Services	11/21/2019		\$10,000		\$3,774	
	Competitive	N	167389	Randstad North America, Inc.	Payroll Services_EAE Intern	04/21/2021	\$21,548	\$21,548	\$7,415	\$7,415	
	Competitive	N	176205	22nd Century Technologies, Inc.	TWO #1 Single Family Res. BA -	10/27/2021	\$176,405	\$176,405	\$40,092	\$40,092	

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Category	Initiative	Type	Term > 1 Year	Contract ID	Contractor	Project Description	Date	Committed this period	Committed to Date	Amt Paid this Period	Amt Paid to Date
PCMT	Home Perf w Energy Star	Competitive	Y	107771	CLEAResult Consulting, Inc.	Centralized Services & Support	12/08/2016	\$3,689,365	\$15,400,989	\$3,106,513	\$11,757,035
		Competitive	Y	116844	CLEAResult Consulting, Inc.	Technical Support SFR	08/09/2017		\$15,516,411	\$3,965,421	\$14,214,146
		Competitive	Y	127558	Honeywell International Inc.	3695 TWO Umbrella Agreement	06/04/2018	\$1,310,000	\$3,841,400	\$911,511	\$3,104,689
		Competitive	Y	127604	Institute for Building Technology and Sa	3695 TWO Umbrella Agreement	06/05/2018		\$500,000		\$208,498
		Competitive	Y	141322	Randstad North America, Inc.	Payroll Services	06/12/2019	\$60,000	\$183,278	\$54,089	\$129,357
		Competitive	Y	161421	Allegis Group Holdings Inc	SA.070_TWO#11 - EAE PM	11/30/2020		\$403,767	\$137,700	\$162,435
		Discretionary	N	140003	Dick Kornbluth	NYCH: Comfort Home	05/07/2019		\$50,000	\$2,475	\$25,837
		Discretionary	N	141159	BPCA NYS Inc.	Res Stakeholder Engagement	06/07/2019		\$49,000	\$11,700	\$26,828
		Discretionary	N	159394	Illume Advising LLC	Low-Income Forum on Energy	10/09/2020	\$50,000	\$500,000	\$328,430	\$491,232
Housing Agencies Support		Competitive	Y	160946	Randstad North America, Inc.	Payroll Services_Multifamily	11/16/2020		\$283,920	\$66,539	\$111,056
		Discretionary	Y	162054	HPDC Energy LLC	Affordable housing strategy	12/15/2020		\$499,920	\$374,637	\$403,291
IEDR: Program Manager		Competitive	Y	172192	Deloitte Consulting LLP	IEDR Program Manager RFP CM	08/02/2021	\$4,970,902	\$4,970,902	\$817,350	\$817,350
		Competitive	Y	172771	Pecan Street Inc.	IEDR Utility Data Advisor	08/16/2021	\$400,000	\$400,000	\$53,213	\$53,213
Industrial Process Effic		Competitive	N	132883	Kelliher Samets LTD	TWO 24: CI Awareness Pilot MKT	10/22/2018		\$1,000,000		\$998,938
		Competitive	Y	117925	CHA Consulting Inc.	Staff Augmentation Services	09/06/2017		\$1,085,787	\$110,900	\$1,085,787
		Competitive	Y	121104	CHA Consulting Inc.	Outreach Support	11/29/2017	\$225,000	\$1,760,060	\$216,260	\$1,573,200
		Competitive	Y	143461	Wendel Energy Services, LLC	SEM_WRRF_Wendel_TWO	08/07/2019		\$50,000	\$5,654	\$5,654
		Competitive	Y	143462	O'Brien & Gere Engineers, Inc.	SEM_WRRF_O'Brien&Gere_TWO	08/07/2019		\$50,000	\$18,724	\$28,133
Informat. Products & Brokering		Competitive	N	178867	TRC Energy Services	SA.086a_TWO #27_AES_PM-1	12/23/2021	\$169,846	\$169,846	\$16,878	\$16,878
		Competitive	Y	149303	Corelogic, Inc.	RFQL 3711 CoreLogic Bldg Data	12/20/2019		\$132,405	\$46,305	\$132,405
		Competitive	Y	149307A	E Source Companies LLC	RFQL3711 TWO Bldg Assets	01/29/2021		\$290,000		
		Discretionary	N	164918	Inventive Intellect, LLC	PropTech 2021	02/25/2021	\$10,000	\$10,000	\$10,000	\$10,000
Innovation		Competitive	N	154617	Sive Paget & Riesel PC	NY Climate Forward Loan Prog	06/03/2020		\$50,000	\$743	\$17,573
		Discretionary	Y	162272	JFL Consulting LLC	Hydrogen Energy Consulting	12/18/2020		\$125,000	\$38,313	\$58,688
INNOVATION CAPACITY & BUSINESS DEVELOPMENT		Competitive	Y	57387	Research Foundation of SUNY	EFRC co-funding	01/21/2015		\$391,000	\$50,296	\$277,198
K-12 SCHOOLS		Competitive	N	179042	Bond, Schoeneck & King, PLLC	TWO 3 Clean Green Schools PON	12/29/2021	\$15,000	\$15,000		
		Competitive	N	ADH0014981	EME Consulting Engineering Group, LLC	SA.045_TWO# 6_AES PM	02/05/2021	\$424,000	\$565,144	\$111,611	\$111,611
		Competitive	Y	141697	EME Consulting Engineering Group, LLC	SA.052_TWO #9 - EP&E	06/21/2019	\$407,000	\$823,643	\$206,765	\$500,990
		Competitive	Y	168285	The Cadmus Group, LLC	P-12 Schools Outreach - Cadmus	05/12/2021	\$75,000	\$75,000	\$33,752	\$33,752
LARGE SCALE RENEWABLES		Competitive	Y	104262	Holland & Knight LLP	RFP 3300 & RFP 3776 Outside Co	09/27/2016		\$391,125		\$290,739
		Competitive	Y	104541	Industrial Economics, Incorporated	RFQ3183 Umbrella Agreement	10/05/2016		\$186,477		\$169,613
LMI Marketing		Competitive	Y	148087	Kelliher Samets LTD	KSV TWO 32 LMI Website Hub	11/25/2019	\$991,850	\$1,291,850	\$583,591	\$727,890
Low Carbon Tech Demos		Competitive	Y	166683	TRC Energy Services	SA.075_TWO #26_MF_PM	04/06/2021	\$349,377	\$349,377	\$148,302	\$148,302
Low Rise New Construction		Competitive	Y	117989	Arcadis of New York, Inc.	Staff Augmentation Services	09/08/2017		\$1,427,446	\$181,005	\$651,548
		Competitive	Y	ADH0014924	TRC Energy Services	SA.041_TWO#14 - NCP PM	11/30/2020		\$419,522	\$210,780	\$260,118
Low-Income Forum on Energy		Competitive	Y	116343	TRC Energy Services	LIFE Implementation Services	07/26/2017		\$173,089		\$173,089
		Discretionary	N	149792	Impact by Design Inc.	Facilitation Support NYSERDA	01/03/2020		\$49,500		\$21,406

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PCMT	Low-Income Forum on Energy	Discretionary	Y	163674	Trustees of University of PA	Climate Justice in NYS	01/25/2021		\$50,000	\$39,663	\$39,663
		Non-Competitive	Y	116343	TRC Energy Services	LIFE Implementation Services	07/26/2017		\$203,839	\$57,064	\$118,270
Market Tests		Competitive	N	132045	Kelliher Samets LTD	TWO 22 Building Labeling Mkt	10/03/2018		\$361,010	\$35,024	\$252,445
		Discretionary	N	145268	Embertec USA, LLC	Purchase 390 Tier 2 APS	09/24/2019		\$15,207		\$8,869
		Discretionary	N	177994	American Council for an Energy Efficient	2022 ACEEE Finance Forum	12/06/2021	\$45,000	\$45,000	\$45,000	\$45,000
Mkt Char: Tech Assist		Competitive	N	135615	Energy and Environmental Economics Inc.	TWO 13 - VDER Phase 2	12/28/2018		\$350,000	\$9,582	\$350,000
		Competitive	N	135945	Energy and Environmental Economics Inc.	TWO# 14 - Grid Value Model	01/09/2019		\$141,000		\$139,069
		Competitive	N	161723	Industrial Economics, Incorporated	TWO #2 Outage Damages	12/07/2020		\$45,000	\$317	\$44,732
		Competitive	N	163729	Industrial Economics, Incorporated	TWO 3 Utility Outages Phase II	01/26/2021	\$75,000	\$374,994	\$227,547	\$374,967
		Competitive	Y	101159A	Guidehouse Inc.	Tech Assist, REV Pool	04/06/2020		\$394,750	\$18,565	\$167,896
		Discretionary	N	133820	Grid Strategies, LLC	Bulk Power System Resource Ad.	11/09/2018		\$200,000		\$50,000
Multifam Performance Pgm		Competitive	N	141694	Taitem Engineering, P.C.	RFQL 3434 - Standards and Qual	06/21/2019		\$464,250		\$464,070
		Competitive	N	ADH0014391	TRC Energy Services	SA.012_TWO #5_MF_PM	02/25/2021	\$82,557	\$82,557	\$2,609	\$2,609
		Competitive	Y	113498	Taitem Engineering, P.C.	RFQL3434 Cat1 Biomass Boilers	05/05/2017		\$430,000		\$316,337
		Competitive	Y	117924	Willdan Energy Solutions	Staff Augmentation Services	09/06/2017		\$1,119,612	\$135,342	\$881,554
		Competitive	Y	117926	TRC Energy Services	Staff Augmentation Services	09/06/2017		\$9,136,274	\$1,165,404	\$6,885,737
		Competitive	Y	141803	Fusco Personnel, Inc.	TS.002_Multifamily Coordinator	06/25/2019		\$81,325		\$45,845
		Competitive	Y	ADH0014394	TRC Energy Services	SA.014_TWO #7_MF_PM	02/25/2021	\$160,569	\$160,569	\$42,160	\$42,160
		Competitive	Y	ADH0014395	TRC Energy Services	SA.016_TWO #8_MF_APM	02/25/2021	\$59,255	\$59,255	\$0	\$0
		Competitive	Y	ADH0014399	TRC Energy Services	SA.017_TWO #9_MF_APM	02/25/2021	\$177,727	\$177,727	\$38,774	\$38,774
		Discretionary	N	172899	Site Capture LLC	Field inspection date capture	08/18/2021	\$20,000	\$20,000	\$0	\$0
		Discretionary	N	172899A	Fotobabble, Inc.	Field inspection date capture	11/08/2021	\$20,000	\$20,000	\$20,000	\$20,000
		Discretionary	Y	129937	TRC Energy Services	Program Tool Services for MPP	08/10/2018		\$50,000	\$4,392	\$49,964
		MULTIFAMILY PERFORMANCE PROGRAM	Discretionary	Y	91807	Robison Energy LLC	Oil Monitoring Pilot	02/29/2016		\$50,000	
Nat'l OffShWind R&D Consortium	Competitive	N	131325	Carbon Trust Advisory Limited	Carbon Trust OSW Consortium	09/17/2018		\$136,000		\$136,000	
Net Zero Energy for Eco Dev		Competitive		177104	RTH Realty Holdings LLC	New Construction CNPD	11/16/2021	\$1,331,957	\$1,331,957		
		Competitive		177151	Main Street Farms LLC	New Construction CNPD	11/17/2021	\$410,590	\$410,590		
		Competitive	Y	178798	Cody R. Koch	New Construction CNPD	12/21/2021	\$166,928	\$166,928		
New Construction Housing		Competitive	N	145128	Rocky Mountain Institute	140390 TWO#1	09/23/2019	\$425,000	\$1,256,250	\$255,445	\$1,037,801
		Competitive	Y	128210	Newport Ventures, Inc.	New Construction Housing	06/21/2018		\$200,000		\$112,273
		Competitive	Y	137240	EME Consulting Engineering Group, LLC	SA.038A_TWO #7 - New Con	02/19/2019	\$662,650	\$1,192,255	\$216,686	\$634,237
		Competitive	Y	143617	Kelliher Samets LTD	TWO 28 Carbon Neutral Bldgs	08/12/2019	\$465,200	\$1,065,200	\$121,464	\$422,479
		Competitive	Y	165248	TRC Energy Services	SA.042_TWO#17b - NCP NYC PM	03/05/2021	\$585,554	\$585,554	\$261,409	\$261,409
		Competitive	Y	ADH0014934	TRC Energy Services	SA.040_TWO #16 - NC PM	01/14/2021		\$132,423	\$0	\$0
		Competitive	Y	ADH0014941	TRC Energy Services	SA.042_TWO#17 - NCP NYC PM	12/03/2020	\$340,000	\$617,547	\$166,670	\$188,604
		Discretionary	N	149717	NESEA	2020 NESEA ProTours	12/31/2019		\$25,000		\$15,000
		Discretionary	N	152018	Community Preservation Corp.	Carbon Neutral Summit	03/02/2020		\$35,000		

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PCMT	New Construction Housing	Discretionary	N	155394	The Architectural League of New York	Industry Partner Engagement	07/02/2020		\$50,000	\$24,000	\$24,000
		Discretionary	N	167100	The Research Foundation for the State	2021 Green Buildings Conf	04/15/2021	\$6,000	\$6,000	\$6,000	\$6,000
		Discretionary	N	173116	NESEA	BENYC 2021	08/26/2021	\$26,000	\$26,000	\$26,000	\$26,000
		Discretionary	N	181583	The Research Foundation for the State	2022 NYS Green Building Conf.	02/24/2022	\$6,000	\$6,000		
		Non-Competitive	N	174626	Asthma and Allergy Foundation of America	Strategic Industry Partner Eng	09/27/2021	\$50,000	\$50,000		
		Non-Competitive	Y	181271	Taitem Engineering, P.C.	M&V - Arthaus	02/15/2022	\$32,571	\$32,571		
New Construction- Commercial		Competitive		163054	New Buildings Institute, Inc.	RFQL 3711- GTZ NY 2021 Update	01/08/2021		\$50,000	\$45,306	\$45,306
		Competitive	Y	123329	New Buildings Institute, Inc.	New Construction- Commercial	02/12/2018		\$250,000		\$235,637
		Competitive	Y	145723	VHB Engineering, Surveying and	New Construction- Commercial	10/04/2019		\$50,000		\$48,494
		Non-Competitive	Y	152645	New Buildings Institute, Inc.	CNB Roadmap Writing	03/17/2020	\$225,000	\$584,058	\$100,958	\$349,202
		Non-Competitive	Y	158216	New Buildings Institute, Inc.	2021 Getting to 0 Forum-Legacy	09/15/2020		\$49,965		\$34,575
		Non-Competitive	Y	158298	Egg Geo, LLC	SUNY Heat Pump Training	09/16/2020		\$50,000		\$12,695
		Non-Competitive	Y	178956	River Architects, PLLC	New Construction- Commercial	12/27/2021	\$250,000	\$250,000		
NEW YORK GREEN BANK		Competitive	N	152237	Guidehouse Inc.	TWO #2 - Bulk Storage	03/06/2020		\$45,000		\$35,000
		Competitive	N	154918	Norton Rose Fulbright US LLP	RFP 12: NYGB Legal Services	06/15/2020	\$41,688	\$41,688	\$35,852	\$35,852
		Competitive	N	155981	Randstad North America, Inc.	PS.026_NYGB	07/20/2020		\$99,550		\$1,149
		Competitive	N	156156	Randstad North America, Inc.	PS.027_NYGB	07/24/2020		\$245,000		\$138,395
		Competitive	N	165243	Harris Beach PLLC	Green Bank PAAA	03/05/2021	\$15,000	\$17,225	\$9,387	\$9,387
		Competitive	N	168360	Randstad North America, Inc.	Payroll Services_NYGB_intern	05/13/2021	\$15,912	\$15,912	\$12,964	\$12,964
		Competitive	N	168365	Randstad North America, Inc.	Payroll Services_NYGB_intern	05/13/2021	\$10,140	\$10,140	\$7,488	\$7,488
		Competitive	N	168415	Randstad North America, Inc.	Payroll Services_NYGB_intern	05/14/2021	\$10,774	\$10,774	\$7,127	\$7,127
		Competitive	N	173594	Employee Leasing of Greater NY	TS.024_NYGB_Database Admin	09/02/2021	\$29,250	\$29,250	\$5,445	\$5,445
		Competitive	N	173626	DNV GL Energy Services USA Inc.	Level Solar Assessment	09/03/2021	\$104,340	\$104,340	\$88,448	\$88,448
		Competitive	Y	98838	DealCloud Inc.	DealCloud Licensing	05/24/2016	\$11,385	\$486,850	\$116,980	\$486,850
		Competitive	Y	126362	Moelis & Company Group LP	3PC raise advisory Services	05/01/2018		\$1,100,000		\$1,029,172
		Competitive	Y	149695	Holland & Knight LLP	RFP 12 - NYGB Legal Services	12/31/2019	\$226,405	\$442,412	\$202,458	\$418,465
		Competitive	Y	149698	Loeb & Loeb LLP	RFP 12 - NYGB Legal Services	12/31/2019	\$16,997	\$16,997	\$16,997	\$16,997
		Competitive	Y	150712	Windels Marx Lane & Mittendorf, LLP	RFP 12 - NYGB Legal Services	01/29/2020	\$32,103	\$32,103	\$32,103	\$32,103
		Competitive	Y	152910	Guidehouse Inc.	TWO #1 - Price Forecast	03/25/2020	\$200,000	\$450,000	\$178,351	\$400,218
		Competitive	Y	161973	Randstad North America, Inc.	PS.038_NYGB Analyst	12/14/2020		\$199,095		\$21,824
		Competitive	Y	163103	Randstad North America, Inc.	Payroll Services -NYGB Analyst	01/08/2021		\$199,095		\$22,207
		Competitive	Y	ADH0014459	Allegis Group Holdings Inc	Staff Augmentation Services	02/05/2021		\$75,266		\$8,384
		Discretionary	N	120012	Sunset Green Home LLC	Third-Party Capital Consulting	11/01/2017		\$250,000		\$227,798
		Discretionary	N	132478-1	Bloomberg Finance LP	Bloomberg Datafeed Access	01/11/2019		\$18,404		\$18,404
		Discretionary	N	136435	Intralinks, Inc.	3PC VDR Services	01/24/2019		\$11,250		\$10,492
		Discretionary	N	141636	Capital for Communities, LLC	NEW YORK GREEN BANK	06/20/2019		\$25,000		\$203
		Discretionary	N	157278	Andrew Seiden	NEW YORK GREEN BANK	08/21/2020		\$140,400		\$14,508

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PCMT	NEW YORK GREEN BANK	Discretionary	N	163904	Intralinks, Inc.	VDR Services	01/29/2021	\$38,894	\$43,394	\$38,894	\$43,394
		Discretionary	N	168884	Pivotal 180, LLC	Intern Financial Training	05/26/2021	\$7,000	\$7,000	\$7,000	\$7,000
		Discretionary	N	179364	Pivotal 180, LLC	FinOps Financial Model Review	01/06/2022	\$5,000	\$5,000		
		Discretionary	N	180771	AOGC Consulting LLC	NYGB Contractor	02/03/2022	\$118,000	\$118,000		
		Discretionary	Y	138377	Proenergy Consulting LLC	NEW YORK GREEN BANK	03/27/2019		\$160,000	\$13,602	\$122,513
		Discretionary	Y	152717	Andrew Seiden	NYGB Investment Support	03/19/2020		\$50,000		\$38,250
		Discretionary	Y	153693	Adviser Compliance Associates, LLC	ACA - PPP Compliance Assistanc	04/24/2020		\$50,000	\$14,209	\$37,531
		Discretionary	Y	164915	West Publishing Corporation	Westlaw Core Plan platform	02/25/2021		\$45,320	\$11,980	\$11,980
		Discretionary	Y	166172	Carahsoft Technology Corporation	NYGB Cloud Content Management	03/26/2021	\$39,437	\$39,437	\$39,437	\$39,437
		Discretionary	Y	174684	Pivotal 180, LLC	NYGB New Hire Course	09/28/2021	\$30,000	\$30,000	\$28,500	\$28,500
		Non-Competitive	N	132478-1	Bloomberg Finance LP	Bloomberg Datafeed Access	01/11/2019	\$56,160	\$111,000	\$27,750	\$68,565
		Non-Competitive	N	153454	PLB Oil & Gas Consult LLC	NYGB Covid-19 PPP Consulting	04/14/2020		\$50,000		\$26,393
		Non-Competitive	N	164684	Kanji No Koen Consulting LLC	Tibita Kaneene with NYGB	02/19/2021		\$161,956	\$62,449	\$62,449
		Non-Competitive	N	167899	Banyan Infrastructure Corporation	Reporting Covenant Servicing	05/04/2021	\$150,000	\$150,000	\$150,000	\$150,000
		Non-Competitive	N	180460	HPDC Energy LLC	NYGB DAC StakeholderListening	01/27/2022	\$35,000	\$35,000	\$24,990	\$24,990
Novel Bus Models & Offers		Competitive	N	179679	Booz Allen Hamilton, Inc.	Task Work Order 2	01/11/2022	\$180,685	\$180,685		
		Competitive	N	180971	Booz Allen Hamilton, Inc.	Task Work Order 1	02/08/2022	\$310,547	\$310,547		
		Discretionary	N	179190	National Renewable Energy Laboratory	NREL Industry Growth Forum	01/03/2022	\$25,000	\$25,000		
		Discretionary	N	182073	74&WEST LLC	Market Discovery/VOC	03/03/2022	\$50,000	\$50,000		
NY-SUN		Competitive		170024	Groundswell, Inc.	PON 3414 - Rochester Clarissa	06/21/2021	\$82,500	\$82,500	\$5,000	\$5,000
		Competitive	N	156842	Institute for Building Technology and Sa	TWO 4 NYSUN Res NonRes	08/11/2020	\$1,387,152	\$2,401,152	\$1,051,580	\$1,568,380
		Competitive	N	156849	Institute for Building Technology and Sa	TWO 1 Cat 2 NY-SUN	08/11/2020		\$100,000		
		Competitive	N	169842	Levitan & Associates, Inc.	TWO 1 Future of Solar White Pp	06/16/2021	\$194,710	\$194,710	\$194,710	\$194,710
		Competitive	Y	106225	Kelliher Samets LTD	Marketing Support for NYSERDA	11/03/2016	\$50,000	\$14,049,772	\$990,390	\$9,899,245
		Discretionary	N	141696	Sustainable CUNY CUNY/RF	2019 Solar Storage Summit	06/21/2019		\$10,000		
		Discretionary	N	161021	Interstate Renewable Energy Council, Inc	LI Community Solar Pgm Dev	11/17/2020		\$21,635	\$5,071	\$15,380
		Non-Competitive	N	169842	Levitan & Associates, Inc.	TWO 1 Future of Solar White Pp	06/16/2021	\$75,000	\$75,000	\$12,141	\$12,141
NYCH: Comfort Home		Competitive	N	148531	TRC Energy Services	Comfort Home Implementation	12/07/2019	\$488,599	\$987,979	\$350,205	\$607,380
		Discretionary	N	149954	Honeywell International Inc.	Technical Assurance	01/08/2020	\$15,000	\$63,000	\$17,569	\$31,902
NYCH: Consumer Awareness		Competitive	Y	155231	Kelliher Samets LTD	KSV TWO 34 NYS Clean Heat	06/27/2020		\$9,500,000	\$2,791,248	\$3,183,490
		Discretionary	Y	156845	Ellen Lutz Consulting, LLC	CinHeatStatewideUtilityCoMktg	08/11/2020		\$200,000	\$28,452	\$64,565
NYCH: Critical Tools		Competitive	Y	127559	L&S Energy Services, Inc.	3695 TWO Umbrella Agreement	06/04/2018		\$250,000	\$124	\$16,962
		Competitive	Y	173830	TRC Energy Services	CHC Data Analysis TWO - TRC	09/09/2021	\$49,500	\$49,500	\$43,361	\$43,361
		Discretionary	N	174033	John Siegenthaler	AHP Technical & Economic	09/14/2021	\$50,000	\$50,000	\$30,000	\$30,000
		Discretionary	Y	169348	Northeast Energy Efficiency Partnerships	Heat Pump Rating	06/08/2021	\$50,000	\$50,000		
		Discretionary	Y	174180	New York Geothermal Energy Organization	Geothermal Performance Analsi	09/17/2021	\$45,000	\$45,000	\$6,000	\$6,000
		Non-Competitive	N	161011	Northeast Energy Efficiency Partnerships	Heat Pump Spec Development	11/17/2020		\$49,760	\$49,760	\$49,760

NYSERDA ANNUAL CONTRACTS REPORT - Section 1: All Contracts Open During the Period 4/1/2021 to 3/31/2022

Category	Initiative	Type	Term > 1 Year	Contract ID	Contractor	Project Description	Date	Committed this period	Committed to Date	Amt Paid this Period	Amt Paid to Date
PCMT	NYCH: District	Competitive	N	165683	Kelliher Samets LTD	TWO40:Community Heat Pumps MKT	03/16/2021	\$185,000	\$185,000	\$92,313	\$92,313
		Competitive	N	173124	Randstad North America, Inc.	NYCH: District	08/27/2021	\$19,013	\$19,013	\$11,529	\$11,529
		Competitive	Y	181607	CHA Consulting Inc.	SA.089_TWO #7_CHC PM-2	02/28/2022	\$455,228	\$455,228		
		Discretionary	N	158002	Pace University	Clean Thermal District Systems	09/10/2020		\$44,000	\$35,451	\$43,833
		Non-Competitive	N	167517	American Society of Heating,Refrigeratin	Development of Webinar Series	04/26/2021	\$41,387	\$41,387		
NYCH: Innovation		Competitive	N	167454	Randstad North America, Inc.	Payroll Services_Advanced Buil	04/22/2021	\$21,548	\$21,548	\$19,465	\$19,465
		Competitive	N	179682	Booz Allen Hamilton, Inc.	Task Work Order 5	01/11/2022	\$142,573	\$142,573		
		Competitive	N	179684	Booz Allen Hamilton, Inc.	Task Work Order 6	01/11/2022	\$76,827	\$76,827		
		Discretionary	N	139812	RD & Associates Consulting LLC	Innovation Advisor	05/01/2019		\$35,475	\$6,488	\$25,811
NYCH: LMI		Competitive	N	159618	Guidehouse Inc.	TWO 5	10/15/2020	\$267,400	\$665,109	\$398,277	\$665,085
		Competitive	N	165255	Kelliher Samets LTD	KSV TWO 38 Heat Pump Planner	03/05/2021	\$200,001	\$200,001	\$58,068	\$58,068
		Competitive	Y	159686	Vermont Energy Investment Corporation	TWO #1 LMI Electrification	10/16/2020		\$99,860	\$87,635	\$99,100
		Discretionary	N	180027	Guidehouse Inc.	LMI-E Database Support	01/18/2022	\$50,000	\$50,000		
		Non-Competitive	Y	159686	Vermont Energy Investment Corporation	TWO #1 LMI Electrification	10/16/2020	\$45,000	\$45,000	\$3,053	\$3,053
NYCH: Roadmap		Competitive	N	175064	Energy and Environmental Economics Inc.	TWO 2 - BER Scenario Run	10/05/2021	\$250,000	\$250,000	\$213,341	\$213,341
		Competitive	Y	152281	Energy and Environmental Economics Inc.	TWO#22 Bldg. Elec. Roadmap	03/09/2020	\$150,000	\$780,000	\$150,057	\$779,979
		Competitive	Y	161199	New Buildings Institute, Inc.	TWO #2 Bldg Elec Roadmap Writi	11/23/2020		\$211,315	\$155,013	\$155,013
		Discretionary	Y	156627	Owahgena Consulting, Inc.	BEEM Technical Analysis	08/05/2020	\$50,000	\$100,000	\$26,950	\$64,500
NYCH: Supply Chain		Competitive	N	167831	Steven Winter Associates, Inc.	ASHP SupplyChain Develop Mtgs	05/03/2021	\$47,865	\$47,865	\$41,037	\$41,037
		Competitive	Y	143834	Allegis Group Holdings Inc	SA.054_TWO #9 - SFR PM	08/16/2019	\$399,829	\$632,463	\$118,499	\$283,792
		Discretionary	Y	161970	Caroline Hazard	SFR Consulting Project Support	12/11/2020		\$350,000	\$98,534	\$119,520
NYCH: Talent Ppin:CE and OJT		Competitive	Y	153701	Steven Winter Associates, Inc.	Steven Winter Assoc. Training	04/27/2020		\$799,999	\$50,111	\$251,432
		Competitive	Y	161831	BW Research Partnership	TWO# 2 JTWG Jobs Study	12/10/2020	\$55,664	\$355,664	\$355,664	\$355,664
		Competitive	Y	166881	Social Finance Inc.	Social Finance Contract	04/11/2021	\$439,652	\$439,652	\$183,496	\$183,496
		Non-Competitive	Y	171605	American Society of Heating,Refrigeratin	Com Heat Pump Webinar Series	07/20/2021	\$291,023	\$291,023		
NYSERDA ADMINISTRATION		Competitive		143459	Randstad North America, Inc.	Payroll Services	08/07/2019		\$21,600		\$14,867
		Competitive	N	85027	Unique Comp Inc.	RFP3143 Umbrella Agreement	12/18/2015		\$7,352,317	\$404,037	\$6,477,661
		Competitive	N	85029	GCOM Software LLC	Staff Aug Umbrella Agreement	12/18/2015		\$1,645,800		\$1,221,540
		Competitive	N	98512	NYS Office of General Services	2016-2019 Microsoft ELA 3 year	05/16/2016		\$142,080		\$139,325
		Competitive	N	102977	Xerox Corp	Xerox Maintenance Agreement	08/30/2016		\$89,200		\$89,163
		Competitive	N	113877	Randstad North America, Inc.	Temporary Services	05/18/2017		\$110,500		\$78,538
		Competitive	N	114702	Randstad North America, Inc.	Temporary Services	06/09/2017		\$107,517		\$107,517
		Competitive	N	135250	Tech Valley Talent, LLC	TWO26 Server Ops	12/17/2018		\$452,438	\$51,992	\$450,700
		Competitive	N	136123	TEKsystems Inc	TWO EVConsultant	01/15/2019		\$6,800		\$3,910
		Competitive	N	138374	Systems Management Planning, Inc.	NET App Flash Storage 3 years	03/26/2019		\$24,205		\$20,602
		Competitive	N	139253	TVC Albany Inc.	FirstLight - Redundant for Alb	04/17/2019		\$57,600	\$19,200	\$48,855
		Competitive	N	139255	Crown Castle Fiber LLC	Primary Internet - ALB,NYC,BUF	04/17/2019		\$146,952	\$46,992	\$146,497

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Category	Initiative	Type	Term > 1 Year	Contract ID	Contractor	Project Description	Date	Committed this period	Committed to Date	Amt Paid this Period	Amt Paid to Date
PCMT	NYSDA ADMINISTRATION	Competitive	N	142986	Sive Paget & Riesel PC	FOIL related Services	07/26/2019		\$27,754		\$24,442
		Competitive	N	143062	HyperGen Inc	PeopleSoft Support Services	07/30/2019	\$670,000	\$2,670,000	\$873,378	\$2,111,753
		Competitive	N	144160	NYS Office for Technology	O365 Data Circuit 9/19 - 7/22	08/26/2019		\$11,232	\$3,528	\$8,333
		Competitive	N	144203	Kelliher Samets LTD	TWO 29 Global Paid Search	08/27/2019	\$4,324	\$16,324	\$5,120	\$16,000
		Competitive	N	144623	Tech Valley Talent, LLC	TWO Salesforce BA - Himmelfarb	09/09/2019		\$474,640	\$167,789	\$438,763
		Competitive	N	145372	Randstad North America, Inc.	TS.010 - Payroll Services	09/26/2019		\$49,140		\$40,779
		Competitive	N	148732	Spectrotel Holding Company LLC	Spectrotel Telecommunication	12/10/2019		\$37,980		
		Competitive	N	149286	Randstad North America, Inc.	Payroll Services	12/19/2019		\$16,962		\$15,337
		Competitive	N	149846	Crown Castle Fiber LLC	Primary WAN Circuit NYGB	01/07/2020		\$64,512	\$23,496	\$23,496
		Competitive	N	150238	Harris Wiltshire & Grannis LLP	Outside Counsel for Resource A	01/15/2020		\$75,000	\$6,028	\$67,059
		Competitive	N	152236	Provantage, LLC	Monitors - 26 Provantage	03/06/2020		\$5,064		
		Competitive	N	152758	Kelliher Samets LTD	TWO 33: Social Media Support	03/20/2020		\$100,000		\$82,493
		Competitive	N	152997	Siteimprove, Inc.	Site Improve - 3 years	03/30/2020	\$3,300	\$21,216	\$7,472	\$13,444
		Competitive	N	153045	Dell, Inc.	Azure Cloud Services - 3 yrs	03/31/2020		\$48,600		\$46,037
		Competitive	N	153947	Unique Comp Inc.	TWO BA - Shreyas Najan	05/01/2020		\$148,200		
		Competitive	N	153967	Randstad North America, Inc.	Payroll Services_Gov't Affairs	05/04/2020		\$64,695	\$5,470	\$36,587
		Competitive	N	154670	Tech Valley Talent, LLC	TWO Salesforce BA Jason Thomas	06/04/2020		\$146,640	\$15,994	\$134,025
		Competitive	N	156954	Commercial Cleaning NY Sunshine, Inc.	Janitorial Cleaning	08/13/2020		\$75,600	\$18,900	\$75,600
		Competitive	N	157825	Randstad North America, Inc.	Payroll Services_Perf Mgmt	09/08/2020		\$43,200	\$5,304	\$24,106
		Competitive	N	158503	Insight Public Sector, Inc.	Chromebooks - 30 for staff	09/21/2020		\$16,440		\$16,364
		Competitive	N	158586	SHI, Inc.	Monitors.for NYGB 1333 Brdway	09/22/2020		\$22,282		\$11,866
		Competitive	N	158956	Atlantic Data Security, LLC	Checkpoint Professional Servc	10/01/2020		\$16,650	\$16,650	\$16,650
		Competitive	N	159183	Sive Paget & Riesel PC	GJGNY Loan Offering Assistance	10/06/2020		\$12,000		\$5,198
		Competitive	N	159502	MVP Consulting Plus, Inc.	20-21 License Renewal for SAS	10/14/2020		\$10,473	\$0	\$10,473
		Competitive	N	159546	Charter Communications Holdings, LLC	Dedicated Internet Access - WV	10/14/2020		\$35,964		
		Competitive	N	161629	SHI, Inc.	Monitors - Return to Work 26	12/04/2020		\$5,477	\$5,477	\$5,477
		Competitive	N	162301	Systems Management Planning, Inc.	Horizon Cloud Services - SMP	12/21/2020		\$19,850	\$19,850	\$19,850
		Competitive	N	162423	Lincoln Life & Annuity Company of NY	Insurance SL/LT/PFL 2021-22	12/22/2020	\$24,000	\$255,617	\$188,433	\$228,818
		Competitive	N	162816	Charter Communications Holdings, LLC	West Valley - Fiber Installati	12/30/2020		\$8,910		
		Competitive	N	163347	Harris Beach PLLC	On Bill Financing Doc	01/15/2021		\$10,000	\$5,387	\$5,387
		Competitive	N	163981	Unique Comp Inc.	TWO Sr. Software Eng -Bhanu	02/02/2021	\$176,800	\$353,600	\$177,820	\$177,820
		Competitive	N	164565	Hodgson Russ LLP	EmPower Claim Costs	02/17/2021	\$2,500	\$7,500	\$6,867	\$6,867
		Competitive	N	165194	Dell, Inc.	Microsoft EA 3 years - 2021-20	03/04/2021		\$426,549	\$99,977	\$166,223
		Competitive	N	165576	COGENT Infotech Corporation	TWO 1 Asst. BA Ops - Nurul	03/15/2021		\$196,560	\$87,460	\$87,460
		Competitive	N	165813	Insight Public Sector, Inc.	Eset Endpoint Antivirus - 3 yr	03/18/2021		\$8,723	\$8,723	\$8,723
		Competitive	N	165885	ePlus inc	VMWare Support for 1 year	03/19/2021		\$53,382	\$53,382	\$53,382
		Competitive	N	166173	Provantage, LLC	Monitors 50 Mini Bid RTW	03/26/2021	\$11,428	\$11,428	\$11,428	\$11,428

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Category	Initiative	Type	Term > 1 Year	Contract ID	Contractor	Project Description	Date	Committed this period	Committed to Date	Amt Paid this Period	Amt Paid to Date
PCMT	NYSERDA ADMINISTRATION	Competitive	N	166475	Bond, Schoeneck & King, PLLC	Attorney General Investigation	04/01/2021	\$50,000	\$50,000	\$34,265	\$34,265
		Competitive	N	166931	Carahsoft Technology Corporation	Salesforce Communities license	04/13/2021	\$20,230	\$20,230	\$20,230	\$20,230
		Competitive	N	167000	Oracle America, Inc.	Peoplesoft Enterprise 21 - 22	04/13/2021	\$54,308	\$54,308	\$54,308	\$54,308
		Competitive	N	167394	Dell, Inc.	50 Wyse 3040 no wifi and WMS	04/21/2021	\$17,367	\$17,367	\$17,367	\$17,367
		Competitive	N	167657	Dell, Inc.	Wyse Management Suite 3 yr	04/28/2021	\$11,889	\$11,889	\$11,889	\$11,889
		Competitive	N	167824	Dell, Inc.	Azure / Checkpoint - 3 years	05/03/2021	\$44,676	\$44,676	\$7,079	\$7,079
		Competitive	N	168025	Randstad North America, Inc.	Payroll Services_Office of CIO	05/06/2021	\$12,431	\$12,431	\$8,232	\$8,232
		Competitive	N	168159	Commercial Cleaning NY Sunshine, Inc.	Janitorial Cleaning for NYGB	05/10/2021	\$57,600	\$57,600	\$48,000	\$48,000
		Competitive	N	168219	Harris Beach PLLC	Real Estate Issues	05/11/2021	\$10,000	\$10,000	\$3,663	\$3,663
		Competitive	N	168282	Randstad North America, Inc.	Payroll Services_SFR_intern	05/12/2021	\$10,774	\$10,774	\$5,570	\$5,570
		Competitive	N	168366	Harris Beach PLLC	Financial Solutions	05/14/2021	\$25,000	\$25,000		
		Competitive	N	168421	Randstad North America, Inc.	Payroll Services_EAE_intern	05/14/2021	\$10,774	\$10,774	\$8,707	\$8,707
		Competitive	N	168549	Carahsoft Technology Corporation	Carahsoft Salesforce 10 Lic.	05/18/2021	\$15,452	\$15,452	\$15,452	\$15,452
		Competitive	N	168595	Randstad North America, Inc.	Payroll Services_Legal_Intern	05/19/2021	\$10,774	\$10,774	\$9,090	\$9,090
		Competitive	N	169415	SHI, Inc.	USB-C to Ethernet Adapters 300	06/09/2021	\$7,875	\$7,875		
		Competitive	N	169758	SHI, Inc.	Surface Laptop One Batch 1	06/15/2021	\$96,458	\$96,458	\$84,607	\$84,607
		Competitive	N	169841	Tech Valley Talent, LLC	TWO 8 Server Op's -Rutvik C.	06/16/2021	\$46,360	\$46,360	\$34,976	\$34,976
		Competitive	N	170135	SHI, Inc.	Imaging /shipping -300 laptops	06/23/2021	\$7,809	\$7,809	\$6,600	\$6,600
		Competitive	N	170414	SHI, Inc.	Docking stations - new Laptops	06/29/2021	\$26,352	\$26,352	\$26,352	\$26,352
		Competitive	N	170415	SHI, Inc.	Surface Laptop One – Batch 2	06/29/2021	\$96,458	\$96,458	\$85,175	\$85,175
		Competitive	N	170710	Amazon Capital Servies, Inc.	USB C to HDMI Cable - 600	07/01/2021	\$8,310	\$8,310	\$8,310	\$8,310
		Competitive	N	171847	Unique Comp Inc.	TWO #3 Database Admin. Vinaya	07/26/2021	\$223,200	\$223,200	\$164,331	\$164,331
		Competitive	N	172194	MVP Consulting Plus, Inc.	SAS Annual Maintenance 21-22	08/03/2021	\$10,473	\$10,473	\$10,473	\$10,473
		Competitive	N	173590	Tech Valley Talent, LLC	TWO #13 Tableau Dev. Suresh	09/02/2021	\$52,216	\$52,216	\$24,754	\$24,754
		Competitive	N	174032	ePlus inc	EPlus - wireless migration	09/14/2021	\$6,472	\$6,472	\$6,472	\$6,472
		Competitive	N	175396	Dell, Inc.	Microsoft Teams Audio	10/12/2021	\$10,380	\$10,380	\$8,304	\$8,304
		Competitive	N	176207	SHI, Inc.	Software-Defined Network (SDWA)	10/27/2021	\$76,813	\$76,813	\$65,107	\$65,107
		Competitive	N	176342	Commercial Cleaning NY Sunshine, Inc.	Janitorial Cleaning for NYGB	10/29/2021	\$75,600	\$75,600	\$50,400	\$50,400
		Competitive	N	176480	Dell, Inc.	Dell - laptops docks Qty. 5	11/02/2021	\$5,674	\$5,674	\$5,674	\$5,674
		Competitive	N	176753	Dell, Inc.	Microsoft Advanced E-Discovery	11/08/2021	\$76,908	\$76,908		
		Competitive	N	177017	Carahsoft Technology Corporation	Salesforce Marketing Cloud	11/12/2021	\$38,340	\$38,340	\$38,340	\$38,340
		Competitive	N	178507	SHI, Inc.	Logitech Rallybars and access	12/14/2021	\$15,112	\$15,112	\$8,307	\$8,307
		Competitive	N	178603	LinkedIn	Social Media Job Postings	12/16/2021	\$108,000	\$108,000	\$108,000	\$108,000
		Competitive	N	178790	SHI, Inc.	Surface Laptops for Exec. - 5	12/21/2021	\$7,425	\$7,425	\$7,425	\$7,425
		Competitive	N	179065	Indeed Inc.	Social Media Job Postings	12/30/2021	\$60,000	\$60,000	\$24,000	\$24,000
		Competitive	N	179850	Tech Valley Talent, LLC	Web Pro Forma	01/13/2022	\$369,000	\$369,000		
		Competitive	N	180183	Dell, Inc.	Azure Cloud services - Add 21	01/20/2022	\$35,118	\$35,118	\$30,987	\$30,987

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PCMT	NYSDERDA ADMINISTRATION	Competitive	N	180234	Harris Beach PLLC	TWO 2 Financing Solutions Prog	01/21/2022	\$25,000	\$25,000		
		Competitive	N	180968	SHI, Inc.	SilverPeak SDWAN Expansion	02/08/2022	\$119,367	\$119,367	\$119,367	\$119,367
		Competitive	N	181570	TVC Albany Inc.	FirstLight Redundant Internet	02/23/2022	\$48,960	\$48,960		
		Competitive	N	182483	Dell, Inc.	Azure Cloud services - Add 26	03/10/2022	\$35,807	\$35,807		
		Competitive	N	182555	SHI, Inc.	Surface Laptop 4 laptops - 5 m	03/11/2022	\$7,361	\$7,361		
		Competitive	Y	85025	Tech Valley Talent, LLC	RFP3143 Umbrella Agreement	12/18/2015		\$7,929,582	\$284,896	\$6,795,809
		Competitive	Y	96514	Randstad North America, Inc.	Temp Services Contract.	04/21/2016		\$2,633,826		\$2,244,408
		Competitive	Y	98840	KPMG LLP	Audit Services	05/24/2016	\$35,200	\$583,160	\$154,360	\$583,160
		Competitive	Y	106224	Darling Advertising Agency Inc.	Marketing Support for NYSDERDA	11/03/2016		\$958,501	\$88,000	\$905,957
		Competitive	Y	107299	CLEAResult Consulting, Inc.	Phone Email & Web Support	11/28/2016	\$126,473	\$762,753	\$99,263	\$609,675
		Competitive	Y	110542A	Raj Technologies Inc.	Modification - Name Change	09/13/2019	\$394,673	\$926,011	\$335,081	\$863,778
		Competitive	Y	114189	ADP, Inc.	ADP Payroll and HR Svcs 2017	05/26/2017		\$180,521		\$179,901
		Competitive	Y	119371	International Business Machines	Replacement for PPSI Site	10/16/2017		\$34,129		
		Competitive	Y	120292	GCOM Software LLC	Salesforce	11/07/2017	\$1,700,000	\$7,191,135	\$1,445,945	\$6,575,838
		Competitive	Y	127360	Xerox Corp	NYSDERDA ADMINISTRATION	05/30/2018	\$67,200	\$336,302	\$62,129	\$278,636
		Competitive	Y	130233	ITS-NY	Office 365 2018-2019	08/16/2018		\$96,970		\$0
		Competitive	Y	130233-1	NYS Office for Technology	Office 365 2018-2019	12/12/2018		\$96,697		\$89,581
		Competitive	Y	133389A	Ricoh USA Inc	RFP 3919-Sitecore CMS Admin	10/06/2020	\$500,000	\$500,000	\$499,120	\$499,120
		Competitive	Y	136369	Unique Comp Inc.	TWO SQL ETL Dev. NCM	01/23/2019		\$353,600		\$289,938
		Competitive	Y	136980	Unique Comp Inc.	TWO Sr. Systems Admin. - Bhanu	02/08/2019		\$353,600		\$344,760
		Competitive	Y	138056	Gartner Inc.	Gartner Services 2019-2020	03/13/2019		\$55,356		\$55,336
		Competitive	Y	140550	Fusco Personnel, Inc.	Temp Services - Marketing PM	05/21/2019		\$189,810		\$12,273
		Competitive	Y	140703	Randstad North America, Inc.	Payroll Services_Web Ops	05/24/2019	\$63,375	\$165,563	\$55,494	\$139,083
		Competitive	Y	140704	Randstad North America, Inc.	Payroll Services	05/24/2019	\$57,038	\$161,345	\$47,985	\$130,308
		Competitive	Y	145315	Bond, Schoeneck & King, PLLC	HR Outside Counsel Assistance	09/25/2019	\$30,000	\$55,000	\$31,420	\$54,111
		Competitive	Y	148735	Delta Dental of New York	Delta Dental Premiums 2020-202	12/10/2019		\$675,000	\$237,905	\$652,517
		Competitive	Y	149845	Oracle America, Inc.	Peoplesoft - Oracle 2020 /2021	01/07/2020	\$13,400	\$67,626	\$13,666	\$67,626
		Competitive	Y	150242	Randstad North America, Inc.	Temporary Services	01/15/2020		\$96,194		\$5,674
		Competitive	Y	150772	Randstad North America, Inc.	Temp Services - Marketing	01/30/2020		\$101,537	\$37,321	\$89,179
		Competitive	Y	152081	ADP, Inc.	ADP Payroll and HR Services	03/03/2020		\$210,104	\$75,671	\$142,974
		Competitive	Y	152608	Marshall & Sterling, Inc.	RFP 4301 Insurance	03/16/2020	\$30,836	\$546,580	\$221,066	\$537,129
		Competitive	Y	154398	NYS Office of Information Technology Ser	Office 365 2020 - 2021	05/26/2020	\$1,391	\$180,167	\$48,513	\$180,167
		Competitive	Y	155467	Tech Valley Talent, LLC	TWO Software Dev. Mgr. Yates	07/06/2020		\$263,250	\$74,217	\$241,045
		Competitive	Y	155978	Erdman Anthony & Associates, Inc.	Building 17 FlexTech Study TWO	07/20/2020		\$25,849	\$12,524	\$25,849
		Competitive	Y	156630	Tech Valley Talent, LLC	TWO QA Analyst - Beth Graves	08/05/2020		\$204,750	\$90,898	\$194,622
		Competitive	Y	158005	Kellihier Samets LTD	KSV TWO 36 Website User Exper	09/10/2020	\$122,850	\$139,680	\$47,090	\$62,858
		Competitive	Y	159492	Verizon Wireless	Verizon Wireless Cellular Serv	10/13/2020		\$90,111		

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PCMT	NYSDA ADMINISTRATION	Competitive	Y	159691	CVENT, Inc.	Event Management/Virtual Event	10/19/2020	\$3,234	\$189,714	\$14,235	\$105,545
		Competitive	Y	159710	TRC Energy Services	SA.069_TWO#19 - Contracts	10/20/2020		\$292,929	\$144,199	\$190,708
		Competitive	Y	161628	Randstad North America, Inc.	Payroll Services_SS APM	12/04/2020		\$187,590	\$87,001	\$107,055
		Competitive	Y	161828	Gartner Inc.	Gartner 2021	12/09/2020		\$39,164		\$32,637
		Competitive	Y	163723	SHI, Inc.	Embarcadero ER/Studio Support	01/26/2021		\$18,208	\$18,208	\$18,208
		Competitive	Y	164321	Tech Valley Talent, LLC	TWO 2Sr. Software Eng – Carrick	02/09/2021	\$183,300	\$366,600	\$182,571	\$184,815
		Competitive	Y	165738	Tech Valley Talent, LLC	TWO # 3 Salesforce BA-Brochste	03/17/2021		\$195,520	\$75,572	\$75,572
		Competitive	Y	165739	Tech Valley Talent, LLC	TWO Sr. Software Dev. M Simon	03/17/2021		\$187,200	\$49,030	\$49,030
		Competitive	Y	166003	Tech Valley Talent, LLC	TWO 5 .Net Software Dev.B Khan	03/23/2021	\$182,325	\$182,325	\$134,335	\$134,335
		Competitive	Y	167253	SHI, Inc.	AeroHive Hive Manager annual	04/19/2021	\$7,291	\$7,291	\$7,291	\$7,291
		Competitive	Y	168092	SHI, Inc.	Adobe Acrobat Pro licenses 1yr	05/10/2021	\$91,870	\$91,870	\$63,772	\$63,772
		Competitive	Y	168363	SHI, Inc.	Tableau Desktop Maintenance 1	05/13/2021	\$84,623	\$84,623	\$84,623	\$84,623
		Competitive	Y	169297	Tech Valley Talent, LLC	TWO #7 Software Dev. Zaheen	06/07/2021	\$187,200	\$187,200	\$131,340	\$131,340
		Competitive	Y	171217	Unique Comp Inc.	TWO #2 Web Content Editor	07/13/2021	\$126,750	\$126,750	\$63,798	\$63,798
		Competitive	Y	171606	ESRI, Incorporated	ArcGIS Desktop and Spatial 1yr	07/20/2021	\$22,200	\$22,200	\$22,200	\$22,200
		Competitive	Y	171608	Randstad North America, Inc.	TS.022 - Facilities Clerk	07/20/2021	\$115,830	\$115,830	\$36,212	\$36,212
		Competitive	Y	171927	Tech Valley Talent, LLC	TWO #9 QA Analyst Beth Graves	07/28/2021	\$204,750	\$204,750	\$119,630	\$119,630
		Competitive	Y	172508	Tech Valley Talent, LLC	TWO #10 Server Ops – Ross	08/13/2021	\$185,250	\$185,250	\$85,408	\$85,408
		Competitive	Y	173006	Tech Valley Talent, LLC	TWO #12 Project Mgr GIS, Brad	08/20/2021	\$181,350	\$181,350	\$78,428	\$78,428
		Competitive	Y	173007	Tech Valley Talent, LLC	TWO #11 Info Security Services	08/20/2021	\$191,100	\$191,100	\$78,447	\$78,447
		Competitive	Y	173009	Unique Comp Inc.	TWO #4 Salesforce PM - Nichols	08/20/2021	\$224,250	\$224,250	\$28,003	\$28,003
		Competitive	Y	173418	Unique Comp Inc.	TWO #5 Tableau Dev. Sudhanshu	08/31/2021	\$204,360	\$204,360	\$45,342	\$45,342
		Competitive	Y	173773	Unique Comp Inc.	TWO #6 Sr. Software Dev. Ralph	09/08/2021	\$189,150	\$189,150	\$43,747	\$43,747
		Competitive	Y	173882	Zones LLC	SMARTnet - Maintenance 21-22	09/10/2021	\$22,731	\$22,731	\$22,731	\$22,731
		Competitive	Y	174853	Tech Valley Talent, LLC	TWO #14 Salesforce BA.- Robles	09/30/2021	\$218,400	\$218,400	\$78,987	\$78,987
		Competitive	Y	174982	Zones LLC	Cisco Webex renewal 10.1.21	10/04/2021	\$48,380	\$48,380	\$48,380	\$48,380
		Competitive	Y	175184	Tech Valley Talent, LLC	TWO #15 Tableau Dev. M Adeyemo	10/08/2021	\$208,650	\$208,650	\$62,498	\$62,498
		Competitive	Y	175461	Verizon Wireless	Verizon Wireless Cellular Serv	10/14/2021	\$73,239	\$73,239	\$28,977	\$28,977
		Competitive	Y	176209	Technology Professionals Group Inc.	TWO #1 Salesforce PM Kerollos	10/27/2021	\$224,250	\$224,250	\$68,080	\$68,080
		Competitive	Y	176490	Carahsoft Technology Corporation	Salesforce Licensing 2022	11/03/2021	\$1,578,266	\$1,578,266	\$1,578,266	\$1,578,266
		Competitive	Y	177157	Randstad North America, Inc.	Payroll Services	11/17/2021	\$205,234	\$205,234	\$27,407	\$27,407
		Competitive	Y	177349	Gartner Inc.	Gartner 2022 Renewal	11/23/2021	\$40,143	\$40,143	\$40,143	\$40,143
		Competitive	Y	177516	Direct Packet Inc.	Video Hardware Renewal – Cisco	11/24/2021	\$11,881	\$11,881	\$11,881	\$11,881
		Competitive	Y	177731	Info-Tech Research Group Inc.	Info-Tech Research Group.1yr.	11/30/2021	\$37,400	\$37,400	\$37,400	\$37,400
		Competitive	Y	178068	Delta Dental of New York	Delta Dental Prem. 2022-23	12/07/2021	\$650,000	\$650,000	\$54,734	\$54,734
		Competitive	Y	178085	Oracle America, Inc.	Oracle Peoplesoft Enterprise	12/08/2021	\$54,308	\$54,308	\$27,145	\$27,145
		Competitive	Y	178422	Tech Valley Talent, LLC	TWO #16 Technical BA – Garrett	12/13/2021	\$194,025	\$194,025	\$16,688	\$16,688

NYSERDA ANNUAL CONTRACTS REPORT - Section 1: All Contracts Open During the Period 4/1/2021 to 3/31/2022

Category	Initiative	Type	Term > 1 Year	Contract ID	Contractor	Project Description	Date	Committed this period	Committed to Date	Amt Paid this Period	Amt Paid to Date
PCMT	NYSERDA ADMINISTRATION	Competitive	Y	179241	Ricoh USA Inc	Sitecore Web CMS Admin	01/04/2022	\$2,600,000	\$2,600,000		
		Competitive	Y	179242	Tech Valley Talent, LLC	TWO #17 .Net Software Dev.	01/04/2022	\$182,325	\$182,325	\$6,698	\$6,698
		Competitive	Y	180102	Randstad North America, Inc.	PS.063 - Statistics_Intern	01/19/2022	\$21,548	\$21,548	\$1,823	\$1,823
		Competitive	Y	180121	Bond, Schoeneck & King, PLLC	TWO 5 Cybersecurity Counsel	01/20/2022	\$10,000	\$10,000		
		Competitive	Y	180164	Bond, Schoeneck & King, PLLC	TWO 6 HR Counsel Services	01/20/2022	\$25,000	\$25,000	\$6,089	\$6,089
		Competitive	Y	180351	SHI, Inc.	ER/Studio Support 22 – 23	01/26/2022	\$18,930	\$18,930	\$18,930	\$18,930
		Competitive	Y	180705	ePlus inc	nVidia VDI Licensing - 1yr	02/02/2022	\$18,315	\$18,315	\$18,315	\$18,315
		Competitive	Y	182142	IOvations Inc.	Check Point Firewalls 1 year	03/07/2022	\$153,135	\$153,135		
		Competitive	Y	183087	Carahsoft Technology Corporation	Salesforce Marketing Cloud - 1	03/23/2022	\$213,920	\$213,920		
		Competitive	Y	183088	SHI, Inc.	Tableau Desktop Maintenance 1	03/23/2022	\$90,354	\$90,354		
		Discretionary	N	43614	Computer SOS Inc.	Miscellaneous Buffalo/West Val	07/01/2014		\$7,980		\$5,934
		Discretionary	N	104775	Employee Leasing of Greater NY	Temp Employee Services	10/11/2016		\$370,622		\$333,925
		Discretionary	N	114801	Xerox Corp	Xerox Mobile Print - 3 years	06/13/2017		\$20,985		\$12,712
		Discretionary	N	121166	NGenious Solutions Inc.	SharePoint Online Consulting	11/30/2017		\$35,000		\$23,363
		Discretionary	N	124427	Independent Security Services, Inc.	Security Servies	03/19/2018		\$5,000		\$813
		Discretionary	N	129114	Rochester Computer Recycling & Recovery,	Data Destruction Services 2 yr	07/18/2018		\$25,000		\$2,496
		Discretionary	N	141324	Towerstream 1 Incorporated	Circuit for NYC - Towerstream	06/12/2019		\$37,500	\$7,000	\$30,339
		Discretionary	N	143221	Crown Castle Fiber LLC	Dark Fiber 15 CC 17CC -2022	08/05/2019		\$35,280	\$11,940	\$29,850
		Discretionary	N	145269	Indeed Inc.	Job Postings	09/24/2019		\$50,000	\$18,768	\$46,136
		Discretionary	N	145444	IESI NY Corporation	Trash Removal for the 19th Fl	09/27/2019		\$7,830		\$5,782
		Discretionary	N	145508	Capital District Records Management, Inc	Tape/ Disk Storage, Destruction	09/30/2019	\$3,943	\$7,886	\$2,440	\$6,103
		Discretionary	N	146716	W & E Phillips Locksmith, Inc	NYSERDA ADMINISTRATION	10/28/2019		\$10,000		\$10,000
		Discretionary	N	146967	Towerstream 1 Incorporated	Secondary WAN Circuit - NYGB	10/31/2019	\$1,200	\$38,700	\$13,000	\$31,081
		Discretionary	N	152996	Getty Images (US), Inc.	Getty Images Subscription	03/30/2020		\$12,564	\$8,376	\$12,564
		Discretionary	N	153611	Cheryl Earley	Technical Writing Services	04/20/2020		\$44,200	\$9,818	\$26,739
		Discretionary	N	154185	Northco Products, Inc.	Printer/Copier Konica	05/14/2020		\$29,680	\$176	\$2,909
		Discretionary	N	154498	Control Solutions Group, Inc.	HVAC Maintenance NYC Office	05/29/2020		\$11,000	\$2,750	\$8,250
		Discretionary	N	155080	Politico LLC	PO to cover Politico subscript	06/22/2020		\$5,000		\$2,500
		Discretionary	N	156902	Applied Design Initiative LLC	Installation of security doors	08/12/2020		\$45,110	\$10,135	\$29,003
		Discretionary	N	156956	Allard Communications	Communication Consultant	08/13/2020		\$195,000	\$11,550	\$89,050
		Discretionary	N	156957	TS Media Consulting, LLC	Communications Consultant	08/13/2020		\$166,725	\$10,713	\$93,396
		Discretionary	N	156959	Coleman Wallace Communications LLC	Communication Consultant	08/13/2020		\$109,824	\$17,938	\$53,434
		Discretionary	N	161134	Folor, Inc	Headers for Security doors	11/19/2020	\$20,504	\$20,504	\$20,504	\$20,504
		Discretionary	N	164257	Milliman, Inc.	2021 GASB74 Liab GASB75 OPEB	02/09/2021		\$5,500	\$5,500	\$5,500
		Discretionary	N	164972	Kastle New York, LLC	Installation of GB Security Sy	03/01/2021	\$17,601	\$17,601	\$10,641	\$10,641
		Discretionary	N	166222	Crisafulli Bros Plumbing Heating Contr	Replace CCN Gateway	03/29/2021	\$10,442	\$10,442	\$10,442	\$10,442
		Discretionary	N	166385	ePlus inc	Manage Engine Desk Top Central	03/31/2021	\$15,208	\$15,208	\$15,208	\$15,208

NYSERDA ANNUAL CONTRACTS REPORT - Section 1: All Contracts Open During the Period 4/1/2021 to 3/31/2022

Category	Initiative	Type	Term > 1 Year	Contract ID	Contractor	Project Description	Date	Committed this period	Committed to Date	Amt Paid this Period	Amt Paid to Date
PCMT	NYSERDA ADMINISTRATION	Discretionary	N	167156	M. Zion Security Systems Corp	Millennium Ultra card access	04/16/2021	\$13,465	\$13,465	\$13,465	\$13,465
		Discretionary	N	167179	ThunderCat Technology LLC	Confluence Plugins - Linchpin	04/16/2021	\$10,262	\$10,262	\$10,262	\$10,262
		Discretionary	N	169156	Taylor Group LTD	Display production for Admin	06/03/2021	\$25,000	\$25,000	\$5,250	\$5,250
		Discretionary	N	169346	ePlus inc	VMWare Workspace One licenses	06/08/2021	\$13,978	\$13,978	\$13,978	\$13,978
		Discretionary	N	172315	New York State Ag & Markets	2021 NYS Fair	08/04/2021	\$7,753	\$7,753	\$7,753	\$7,753
		Discretionary	N	172507	Control Solutions Group, Inc.	Building Management System (BM	08/13/2021	\$11,330	\$11,330	\$2,833	\$2,833
		Discretionary	N	175181	Honkamp Krueger & Co., PC	External QAR	10/07/2021	\$18,700	\$18,700	\$9,350	\$9,350
		Discretionary	N	175400	Environment & Energy Publishing, LLC	2021-22 Subscription E&E News	10/13/2021	\$15,110	\$15,110	\$15,110	\$15,110
		Discretionary	N	177168	Lumsden & McCormick, LLP	Tax Compliance Engagement 2021	11/18/2021	\$22,000	\$22,000		
		Discretionary	N	177612	Bishop House Consulting, Inc.	Bishop House Training and DiSC	11/29/2021	\$49,887	\$49,887	\$28,720	\$28,720
		Discretionary	N	177793	Dawn Dzurilla	Executive Recruiter Services	12/02/2021	\$50,000	\$50,000	\$15,100	\$15,100
		Discretionary	N	178664	Tech Valley Talent, LLC	SecureAuth Renewal 2021-2024	12/17/2021	\$142,450	\$142,450	\$47,483	\$47,483
		Discretionary	N	178857	Low-Level Radioactive Waste Forum, Inc.	LLW Forum Membership - 2022	12/23/2021	\$5,000	\$5,000	\$5,000	\$5,000
		Discretionary	N	181334	Milliman, Inc.	2022 GASB74 Liab GASB75 OPEB	02/16/2022	\$12,200	\$12,200		
		Discretionary	N	182137	Terri Hartwell Easter Consulting LLC	HR recruiting support	03/04/2022	\$50,000	\$50,000		
		Discretionary	Y	68677	Commercial Investigations LLC	Background Checks	07/09/2015	\$10,000	\$50,000	\$9,845	\$45,778
		Discretionary	Y	108816	Capital District Records Management, Inc	Media Storage & Destruction	01/09/2017		\$6,768		\$6,567
		Discretionary	Y	109141	Tully Rinckey PLLC	outside counsel services	01/18/2017		\$30,500	\$13,602	\$19,148
		Discretionary	Y	110904	NYS Office for Technology	O365 Point to Point Circuit	03/01/2017		\$22,464		\$22,330
		Discretionary	Y	115432	Troy Web Consulting, LLC	SEP Comment System	07/03/2017		\$14,985		\$10,598
		Discretionary	Y	125834	Level 3 Communications, LLC	Century Link_Extend Level 3	04/17/2018		\$49,999		\$49,999
		Discretionary	Y	126194	LexisNexis	Online Legal Research Access	04/26/2018		\$49,968	\$4,270	\$49,358
		Discretionary	Y	128475	Diana L. McWilliams Interior Design, PLL	Capital Plan Renov. - Study	06/28/2018		\$75,000		\$51,307
		Discretionary	Y	137525	AmTrust North America Inc.	NYSERDA ADMINISTRATION	02/26/2019		\$42,000		\$38,337
		Discretionary	Y	141800	Employee Leasing of Greater NY	TS016_Marketing	06/25/2019	\$66,000	\$231,000	\$54,321	\$152,383
		Discretionary	Y	145820	Network Experts of New York, Inc.	Helpdesk Tech. - John Campagna	10/07/2019		\$150,000		\$20,513
		Discretionary	Y	152278	Atlantic Data Security, LLC	Check Point Training	03/09/2020		\$15,000		\$4,995
		Discretionary	Y	152822	Randstad North America, Inc.	Temp Services	03/23/2020		\$112,223	\$24,835	\$75,358
		Discretionary	Y	153641	Fusco Personnel, Inc.	TS.015 Contract Mangament Coor	04/21/2020		\$132,990	\$49,284	\$102,054
		Discretionary	Y	154099	Concur Technologies, Inc.	Concur Services 2020-2022	05/11/2020		\$40,000	\$16,244	\$28,081
		Discretionary	Y	156841	T-REX Group, inc.	T-Rex Analytics Platform	08/11/2020		\$40,000	\$10,000	\$30,000
		Discretionary	Y	157019	Bynder LLC	WebDAM Photo Library	08/14/2020		\$26,925	\$8,975	\$17,950
		Discretionary	Y	159609	ThunderCat Technology LLC	Checkmarx - Licensing and Supp	10/15/2020		\$61,606	\$3,937	\$61,606
		Discretionary	Y	159901	Troy Web Consulting, LLC	Troy Web Hosting - Cloud for 1	10/22/2020		\$7,380	\$5,535	\$7,380
		Discretionary	Y	160202	Network Experts of New York, Inc.	Network Consulting Services	10/29/2020		\$10,860	\$1,150	\$9,724
		Discretionary	Y	161086	Randstad North America, Inc.	Temp Services_Marketing	11/18/2020		\$141,183	\$51,314	\$73,135
		Discretionary	Y	161238	Walter Snyder Printer, Inc.	External Program Printing	11/24/2020		\$30,000	\$1,898	\$2,839

NYSDA ANNUAL CONTRACTS REPORT - Section 1: All Contracts Open During the Period 4/1/2021 to 3/31/2022

Category	Initiative	Type	Term > 1 Year	Contract ID	Contractor	Project Description	Date	Committed this period	Committed to Date	Amt Paid this Period	Amt Paid to Date
PCMT	NYSDA ADMINISTRATION	Discretionary	Y	161240	Benchmark Printing, Inc.	External Program Printing	11/24/2020		\$8,000		\$694
		Discretionary	Y	161296	Fort Orange Press Incorporated	Program External Printing	11/24/2020		\$5,000		
		Discretionary	Y	161298	Northco Products, Inc.	Program External Printing	11/24/2020		\$12,000	\$752	\$1,036
		Discretionary	Y	161301	Dowd-Witbeck Printing Corp.	Program External Printing	11/24/2020		\$12,000	\$1,470	\$3,135
		Discretionary	Y	162337	Arctic Air Mechanical Corp	HVAC Preventative Maintenance	12/21/2020		\$16,800	\$5,600	\$7,000
		Discretionary	Y	163305	Promantek Inc.	Employee Web-based tool	01/14/2021		\$42,309	\$28,206	\$28,206
		Discretionary	Y	163907	Maureen Data Systems, Inc.	VMWare Airwatch - 2021 - 2022	02/01/2021		\$7,020	\$7,020	\$7,020
		Discretionary	Y	165542	APPEXTREMES, LLC	Conga Composer Maintenance 1yr	03/12/2021		\$14,400	\$14,400	\$14,400
		Discretionary	Y	165950	Bizodo Inc	Seamlessdocs Licensing 21 - 22	03/22/2021	\$46,363	\$46,363	\$46,363	\$46,363
		Discretionary	Y	167961	LexisNexis	Online Legal Research Access	05/05/2021	\$53,844	\$53,844	\$13,068	\$13,068
		Discretionary	Y	168423	ThunderCat Technology LLC	Pyramid Consulting	05/14/2021	\$159,000	\$159,000	\$42,400	\$42,400
		Discretionary	Y	168550	ePlus inc	VEEAM License Renewal - 1 yr	05/18/2021	\$8,894	\$8,894	\$8,768	\$8,768
		Discretionary	Y	168551	Network Experts of New York, Inc.	Anu - Professional services	05/18/2021	\$7,860	\$7,860	\$3,750	\$3,750
		Discretionary	Y	169502	AlienVault, Inc.	Alien Vault USM App - 1 year	06/10/2021	\$10,852	\$10,852	\$10,852	\$10,852
		Discretionary	Y	170289	ThunderCat Technology LLC	Cisco Umbrella Security	06/25/2021	\$18,634	\$18,634	\$18,634	\$18,634
		Discretionary	Y	170503	Sitecore USA, Inc.	Sitecore CMS Software 1 year	06/30/2021	\$49,500	\$49,500	\$49,500	\$49,500
		Discretionary	Y	173114	New York State Forum for IRM	NYS Forum Membership 21 - 22	08/25/2021	\$5,500	\$5,500	\$5,500	\$5,500
		Discretionary	Y	173625	ThunderCat Technology LLC	Telerik Tools. Thundercat	09/03/2021	\$5,666	\$5,666	\$5,666	\$5,666
		Discretionary	Y	174523	ThunderCat Technology LLC	Checkmarx licensing & support	09/23/2021	\$63,076	\$63,076	\$63,076	\$63,076
		Discretionary	Y	174625	OwnBackup Inc.	Own backup/Salesforce.KeyMgt.	09/27/2021	\$36,077	\$36,077	\$36,077	\$36,077
		Discretionary	Y	174856	Troy Web Consulting, LLC	Troy Web Hosting - Cloud 1yr	09/30/2021	\$7,620	\$7,620	\$1,905	\$1,905
		Discretionary	Y	175520	ThunderCat Technology LLC	Atlassian Licenses - Jira	10/14/2021	\$71,296	\$71,296	\$71,296	\$71,296
		Discretionary	Y	177735	CDATA SOFTWARE, INC.	DBAmp Pro. Edition Unlimited	12/01/2021	\$8,990	\$8,990	\$8,990	\$8,990
		Discretionary	Y	178953	Direct Packet Inc.	Endpoint Services - 1 year	12/24/2021	\$5,000	\$5,000	\$5,000	\$5,000
		Discretionary	Y	179260	ASANA, Inc.	Asana 2022 License	01/05/2022	\$29,994	\$29,994	\$29,994	\$29,994
		Discretionary	Y	180349	ThunderCat Technology LLC	Rightstar Scanstar - Inventory	01/25/2022	\$5,530	\$5,530		
		Discretionary	Y	180709	GovOS, Inc.	Seamlessdocs Licensing 22- 23	02/02/2022	\$49,609	\$49,609	\$49,609	\$49,609
		Discretionary	Y	180969	ThunderCat Technology LLC	DocuSign Subscription 2022-202	02/08/2022	\$98,173	\$98,173	\$98,173	\$98,173
		Discretionary	Y	181354	ThunderCat Technology LLC	Atlassian - Confluence Plug in	02/17/2022	\$5,432	\$5,432	\$5,432	\$5,432
		Non-Competitive	N	141158	First Quality Maintenance II, LLC	NYC Office Cleaning	06/07/2019		\$122,137		\$120,843
		Non-Competitive	N	146716	W & E Phillips Locksmith, Inc	NYSDA ADMINISTRATION	10/28/2019	\$7,000	\$12,000	\$5,669	\$9,506
		Non-Competitive	N	151000	First Quality Maintenance II, LLC	Janitorial Services - NYC 19th	02/05/2020		\$107,988	\$14,498	\$48,247
		Non-Competitive	N	151913	Terri Hartwell Easter Consulting LLC	NYSDA ADMINISTRATION	02/28/2020		\$126,000	\$38,895	\$121,850
		Non-Competitive	N	154361	Dori Doors & Security, Inc	Doors for NYC office	05/22/2020		\$1,800	\$1,800	\$1,800
		Non-Competitive	N	163902	Commercial Cleaning NY Sunshine, Inc.	Janitorial Cleaning NYC office	01/29/2021	\$31,200	\$31,200	\$16,900	\$16,900
		Non-Competitive	N	172249	NYS Office of Information Technology Ser	ITS Outstanding Bills Prior to	08/04/2021	\$57,778	\$57,778	\$57,236	\$57,236
		Non-Competitive	N	180346	Throughline Group, LLC	NYSDA Staff Media Training	01/25/2022	\$8,000	\$8,000	\$8,000	\$8,000

NYSERDA ANNUAL CONTRACTS REPORT - Section 1: All Contracts Open During the Period 4/1/2021 to 3/31/2022

Category	Initiative	Type	Term > 1 Year	Contract ID	Contractor	Project Description	Date	Committed this period	Committed to Date	Amt Paid this Period	Amt Paid to Date
PCMT	NYSERDA ADMINISTRATION	Non-Competitive	Y	125834	Level 3 Communications, LLC	Century Link_Extend Level 3	04/17/2018	\$288,000	\$647,001	\$191,028	\$540,154
		Non-Competitive	Y	157686	inMotion, Inc.	inMotion Subscription	09/02/2020	\$3,663	\$88,511	\$30,111	\$58,394
		Non-Competitive	Y	170503	Sitecore USA, Inc.	Sitecore CMS Software 1 year	06/30/2021	\$24,750	\$24,750		
		Non-Competitive	Y	171657	NYS Office for Technology	Office 365: 4/2021 - 3/2022	07/21/2021	\$172,068	\$172,068	\$86,745	\$86,745
		Non-Competitive	Y	177287	NortonLifeLock Inc	Identity Theft Protection	11/19/2021	\$15,390	\$15,390		
		Non-Competitive	Y	182701	NYS Office for Technology	Office 365: 3/15/2022 - 3/23	03/15/2022	\$179,868	\$179,868		
NYSERDA Fixed Asset		Competitive	N	97272	Systems Management Planning, Inc.	NetApp Flash Storage for VDI	04/29/2016		\$95,359		\$95,359
		Competitive	N	104430	Infrastructure	Network Upgrade - Cisco	09/29/2016		\$253,987		\$253,987
		Competitive	N	110325	Infrastructure	Equipment to Support Network	02/15/2017		\$8,280		\$8,280
		Competitive	N	116664	Infrastructure	2 HP VDI Servers	08/03/2017		\$37,136		\$37,136
		Competitive	N	119645	Systems Management Planning, Inc.	NetApp 2620 Storage Array	10/23/2017		\$27,278		\$27,278
		Competitive	N	124906	Zones LLC	RFP 3670 VOIP	03/27/2018		\$319,735		\$164,940
		Competitive	N	139099	Maguire Cars LLC		04/12/2019		\$28,887		
		Competitive	N	164563	ePlus inc	Server Racks for datacenter	02/17/2021		\$5,085	\$5,085	\$5,085
		Competitive	N	165883	Zones LLC	VOIP - Hardware Purchase	03/19/2021		\$130,508	\$130,508	\$130,508
		Competitive	N	171924	SHI, Inc.	Pure Storage Array	07/28/2021	\$192,949	\$192,949	\$192,949	\$192,949
		Competitive	N	174374	ePlus inc	ePLUS - HPE Smart Array	09/21/2021	\$12,847	\$12,847	\$12,847	\$12,847
		Competitive	Y	60292	ESRI, Incorporated	ESRI Arc Server - 1 year	03/06/2015		\$32,643		\$32,643
		Competitive	Y	104106	Infrastructure	Tintri Flash Storage - Renewal	09/22/2016		\$7,548		\$7,548
		Competitive	Y	150241	SHI, Inc.	Pure Storage	01/15/2020		\$46,211		\$46,211
		Competitive	Y	165195	ePlus inc	VDI Server Cluster Hardware	03/04/2021		\$192,536	\$192,536	\$192,536
		Competitive	Y	165196	ePlus inc	VDI Horizon Hardware / Service	03/04/2021	\$15,219	\$15,219	\$15,219	\$15,219
		Competitive	Y	173593	Carnegie Fabrics LLC	Soundproofing for NYGB	09/02/2021	\$19,385	\$19,385	\$19,385	\$19,385
		Discretionary		141931	ABH Capital Management, LLC	VDI Server	06/28/2019		\$7,607		\$7,607
		Discretionary		146023	Applied Design Initiative LLC		10/11/2019		\$16,320		\$15,540
		Discretionary		155601	Offshore Electric Corp.	Security Doors for the NYC Off	07/09/2020		\$12,000		\$12,000
		Discretionary	N	43567	Phire, Inc	Phire - PeopleSoft Renewal - 3	06/30/2014		\$41,715		\$41,715
		Discretionary	N	45875	Network Experts of New York, Inc.	Albany: Redundant Checkpoint H	08/19/2014		\$29,872		\$29,872
		Discretionary	N	143209	ABH Capital Management, LLC	Virtual Server 2	08/01/2019		\$7,327		\$7,327
		Discretionary	N	151867	ABH Capital Management, LLC	VDI Server for Interns	02/26/2020		\$9,999		\$9,999
		Discretionary	N	152553	Clarus Glassboards, LLC	Purchase of Furniture	03/13/2020		\$5,801		\$5,801
		Discretionary	N	154361	Dori Doors & Security, Inc	Doors for NYC office	05/22/2020		\$23,165	\$11,583	\$23,165
		Discretionary	N	156544	Techsign LTD	Install of new Office signage	08/03/2020		\$10,855		\$10,855
		Discretionary	N	160150	M. Zion Security Systems Corp	Card Access Security System	10/28/2020		\$23,245	\$12,740	\$14,450
		Discretionary	N	160482	King Freeze Mechanical Corp	HVAC Installation	11/04/2020	\$19,750	\$19,750	\$19,750	\$19,750
		Discretionary	N	160546	Architectural Flooring Resource, Inc.	New Carpet/Cleaning NYGB	11/06/2020		\$23,285	\$23,285	\$23,285
Discretionary	N	164564	ThunderCat Technology LLC	VDI Project Network Switches	02/17/2021		\$43,200	\$43,200	\$43,200		

NYSDA ANNUAL CONTRACTS REPORT - Section 1: All Contracts Open During the Period 4/1/2021 to 3/31/2022

Category	Initiative	Type	Term > 1 Year	Contract ID	Contractor	Project Description	Date	Committed this period	Committed to Date	Amt Paid this Period	Amt Paid to Date	
PCMT	NYSDA Fixed Asset	Discretionary	Y	150655	Tech Valley Talent, LLC	SecureAuth Appliance upgrade	01/28/2020		\$5,420		\$5,420	
		Discretionary	Y	157749	Complete Cabling Solutions LLC	Complete Cabling NYGB 1333	09/03/2020		\$25,896		\$25,896	
		Non-Competitive	N	57885	Performance Systems Development	TREAT Site License for VMWARE	01/28/2015		\$8,000		\$8,000	
		Non-Competitive	N	164720	Southworth-Milton Inc.	Remote Asset Monitoring System	02/23/2021			\$5,173	\$5,173	\$5,173
		Non-Competitive	N	180177	Davies Office Refurbishing, Inc.	Cubicle Furniture	01/20/2022	\$48,331	\$48,331			
		Non-Competitive	N	180275	Landmark Flooring Concepts Inc	Replacement of Carpeting	01/24/2022	\$23,998	\$23,998			
		Non-Competitive	Y	78360	Performance Systems Development	Treat Site Licenses - 16	10/20/2015		\$6,400			\$6,400
Off-Shore Wind Master Plan		Competitive	Y	104258	Sive Paget & Riesel PC	RFP 3300 & RFP 3776 Outside Co	09/27/2016		\$1,313,490	\$1,683	\$1,027,444	
		Competitive	Y	111606	Ecology and Environment Engineering	RFP3462 Umbrella Agreement	03/16/2017		\$2,665,560		\$2,441,515	
Off-Shore Wind Pre-Dev Act		Competitive	N	118972	BioDiversity Research Institute	BRI: TWO umbrella agreement	10/02/2017		\$602,026		\$593,267	
		Competitive	N	136703	Ecology and Environment Engineering	TWO#17 Fishing Lanes	01/31/2019		\$97,600		\$85,354	
		Competitive	N	136704	Ecology and Environment Engineering	TWO#18 G&G surveys	01/31/2019		\$84,700			
On-Site Energy Manager		Competitive	N	134956	The Cadmus Group, LLC	Task Order #3 from 104542	12/10/2018		\$139,971		\$134,350	
		Competitive	Y	132468	Kelliher Samets LTD	TWO 23: Industrial Mktg	10/12/2018		\$600,000	\$29,414	\$513,868	
		Competitive	Y	164561	Michaels Energy, Inc.	TWO 1 - EMP Impact Evaluation	02/17/2021		\$587,431	\$129,766	\$129,766	
OREC: Technical Support		Competitive		163997	BioDiversity Research Institute	BRI TWO #5 E-TWG Services	02/03/2021		\$370,131	\$282,143	\$316,344	
		Competitive	N	150572	Tetra Tech MA, Inc.	TWO#1 OSW Fisheries WG	01/24/2020		\$330,000	\$77,215	\$258,698	
		Competitive	N	151865	BioDiversity Research Institute	BRI TWO1 ETWG Support	02/26/2020		\$338,483		\$338,442	
		Competitive	N	172055	Hatch Associates Consultants, Inc.	OSW Mesh Grid Technical Appen	07/29/2021	\$45,000	\$45,000	\$45,000	\$45,000	
		Competitive	N	172057	Siemens Industry, Inc.	TWO 2 Econ Study of Ntwrk OSW	07/29/2021	\$50,000	\$50,000	\$50,000	\$50,000	
		Competitive	N	172493	Darling Advertising Agency Inc.	TWO 8 GLW Marketing Support	08/10/2021	\$25,000	\$25,000	\$25,000	\$25,000	
		Competitive	N	179907	Bond, Schoeneck & King, PLLC	TWO 4 GLW Feasibility Study	01/14/2022	\$37,500	\$37,500	\$5,884	\$5,884	
		Competitive	Y	111614	Levitan & Associates, Inc.	RFP3462 Umbrella Agreement	03/16/2017		\$1,445,000		\$1,377,267	
		Competitive	Y	111619A	The Cadmus Group, LLC	RFP 3462 Umbrella Agreement	08/23/2018	\$365,000	\$365,000			
		Competitive	Y	124951	Harris Wiltshire & Grannis LLP	RFP3776 Outside Counsel Servc	03/28/2018		\$334,550	\$32,190	\$161,808	
		Competitive	Y	158219	Keams & West, Inc.	TWO 3 Facilitation ORECRFP20	09/15/2020		\$50,000		\$39,089	
		Competitive	Y	163476	Holland & Knight LLP	OSW Reg Matters_Cable Coord.	01/19/2021		\$100,000	\$74,021	\$74,021	
		Competitive	Y	163477	Sive Paget & Riesel PC	OSW Regulatory Matters	01/19/2021		\$100,000			
		Competitive	Y	175173	Worley Group, Inc.	Determination Study Buy Americ	10/07/2021	\$181,400	\$181,400	\$103,153	\$103,153	
		Competitive	Y	176757	DNV Energy Insights USA Inc.	GLW Tech and Economic Review	11/08/2021	\$40,000	\$40,000			
		Competitive	Y	178683	Levitan & Associates, Inc.	TWO#3 ORECRFP22 Support	12/20/2021	\$831,000	\$831,000	\$68,711	\$68,711	
		Competitive	Y	181337	Carter Ledyard & Milburn LLP	TWO 1 - ORECRFP22-1	02/16/2022	\$50,000	\$50,000			
		Competitive	Y	181347	Holland & Knight LLP	TWO 1 - ORECRFP22-1	02/16/2022	\$50,000	\$50,000			
		Discretionary	N	173952	CVENT, Inc.	OSW Virtual Supplier Forum	09/13/2021	\$25,000	\$25,000	\$22,063	\$22,063	
		Discretionary	N	175725	Mason Tillman Associates, LTD	MWBE Disparity Study	10/19/2021	\$127,225	\$127,225	\$34,138	\$34,138	
Discretionary	N	178006	Keams & West, Inc.	TWO #9 ORECRFP22-1	12/07/2021	\$50,000	\$50,000					
Discretionary	N	178007	Keams & West, Inc.	TWO #10 ORECRFP22-1 Evaluation	12/07/2021	\$50,000	\$50,000	\$13,203	\$13,203			

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Category	Initiative	Type	Term > 1 Year	Contract ID	Contractor	Project Description	Date	Committed this period	Committed to Date	Amt Paid this Period	Amt Paid to Date
PCMT	OREC: Technical Support	Discretionary	N	180970	Empire State Development Corp.	NY Pavilion--IPF 2022	02/08/2022	\$25,000	\$25,000		
		Discretionary	N	181096	Business Network for Maryland Offshore W	DAC sponsorship to IPF	02/10/2022	\$25,000	\$25,000		
		Discretionary	Y	175728	Karp Strategies, LLC	Secondment for OSW Stakeholder	10/20/2021	\$489,384	\$489,384	\$144,206	\$144,206
		Non-Competitive	N	177733	Alliance for Sustainable Energy, LLC	TWO #9 OSW Secondment	11/30/2021	\$830,759	\$830,759		
OTHER PROGRAM AREA	Competitive	N	140006	Randstad North America, Inc.	Payroll Services_Innovation	05/07/2019		\$199,765	\$60,831	\$144,125	
	Competitive	N	147285	Cornell University	76West TWO 31	11/07/2019		\$85,637	(\$1,387)	\$45,681	
	Competitive	N	166587	Dell, Inc.	DEC collaboration equipment	04/05/2021	\$13,827	\$13,827	\$13,827	\$13,827	
	Competitive	N	176125	SkyFront Corporation	RPAS procurement	10/26/2021	\$105,980	\$105,980	\$105,980	\$105,980	
	Competitive	Y	30712	The Research Foundation for the State	CNSE Net Zero Project	12/21/2012		\$1,000,000		\$670,000	
	Competitive	Y	30728	Watertown, City of	Sludge permitting and design	12/21/2012		\$585,646		\$485,827	
	Competitive	Y	99297	Center for Sustainable Energy	ChargeNY ZEV Rebate Imp Contra	06/02/2016		\$956,971	\$3,663	\$821,557	
	Competitive	Y	104260	Bond, Schoeneck & King, PLLC	RFP 3300 Outside Counsel Servi	09/27/2016		\$298,556	\$2,916	\$284,625	
	Competitive	Y	106227	Essense Partners Inc.	Marketing Support for NYSDERDA	11/03/2016		\$2,887,330	\$118,832	\$2,556,176	
	Competitive	Y	106541	BW Research Partnership	New York Clean Energy Jobs Stu	11/09/2016		\$459,962		\$396,642	
	Competitive	Y	116896	United Way of Long Island	CEEP Long Island (JWLI)	08/10/2017		\$400,000	\$87,550	\$396,310	
	Competitive	Y	118163	D.L. English Consulting, Inc.	Indian Point Consultant	09/13/2017		\$356,475		\$355,904	
	Competitive	Y	129761	Four Points Group, Inc.	RFQL 3685 R2	08/06/2018		\$284,927	\$27,988	\$167,414	
	Competitive	Y	140746	Akimeka, LLC	TWO#2 Resilience Assistance	05/28/2019		\$200,000		\$199,492	
	Competitive	Y	145982	NESCAUM	TWO #6 VOCs on Staten Island	10/10/2019		\$397,500	\$27,269	\$320,232	
	Competitive	Y	150033	Cornell University	70333 TWO 32	01/09/2020		\$905,999	\$194,172	\$754,490	
	Discretionary	N	107800	Amerex Brokers LLC	OTHER PROGRAM AREA	12/13/2016		\$49,999	\$8,355	\$29,966	
	Discretionary	N	154215	Michael Lightman	Michael Consulting Contract	05/15/2020		\$49,999		\$19,500	
	Discretionary	N	154215A	The Lightman Company, LLC	Michael Consulting Contract	09/01/2020		\$30,499		\$26,000	
	Discretionary	N	166684	CDP North America Inc	OTHER PROGRAM AREA	04/06/2021	\$50,000	\$50,000	\$50,000	\$50,000	
Discretionary	Y	112570	Benchmark Printing, Inc.	Printing Services - EV Rebate	04/07/2017		\$44,500	\$2,210	\$37,023		
Non-Competitive	N	166064	Boice Dunham Group Inc	Innv Pgrm Implementation Advis	03/24/2021	\$150,000	\$150,000	\$150,000	\$150,000		
Non-Competitive	N	175730	GEOMETRICS, INC.	Magnetometer Purchase	10/20/2021	\$59,390	\$59,390	\$59,390	\$59,390		
Pay for Performance	Competitive	N	165574	Kellihier Samets LTD	KSVTWO39: Business Energy Pro	03/15/2021	\$42,400	\$42,400	\$35,451	\$35,451	
	Competitive	Y	144049	Allegis Group Holdings Inc	SA.055_TWO #10 - P4P PM	08/22/2019		\$392,220	\$53,505	\$252,215	
	Competitive	Y	144450	Energy & Resource Solutions, Inc.	TWO 4 - P4P Event Evaluation	09/04/2019		\$213,716		\$4,750	
	Competitive	Y	144450A	DNV Energy Insights USA Inc.	TWO 4 - P4P Event Evaluation	07/16/2021	\$208,966	\$208,966			
	Competitive	Y	160149	Randstad North America, Inc.	Payroll Services_Utility Affai	10/28/2020		\$353,613		\$66,426	
	Competitive	Y	160203	Randstad North America, Inc.	Payroll Services_Utility Affai	10/30/2020		\$273,000	\$1,575	\$46,697	
	Competitive	Y	166056	Robert K. Harmon & Company LLC	MEETS - Robert K. Harmon - TWO	03/24/2021	\$150,000	\$150,000	\$27,215	\$27,215	
POLICY DEVELOPMENT	Competitive	Y	153579	NYS Office of General Services	NYS DPS Printing Services	04/17/2020		\$50,000		\$25,619	
	Discretionary	N	170840	New York State Ag & Markets	2021 DPS NYS Fair Exhibit	07/01/2021	\$10,329	\$10,329	\$10,329	\$10,329	
	Discretionary	N	176000	HALO Branded Solutions, Inc.	2021 NYS Fair Promotional Item	10/24/2021	\$26,133	\$26,133	\$26,133	\$26,133	

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Category	Initiative	Type	Term > 1 Year	Contract ID	Contractor	Project Description	Date	Committed this period	Committed to Date	Amt Paid this Period	Amt Paid to Date
PCMT	POLICY DEVELOPMENT	Discretionary	N	176005	Culver Company, LLC	2021 NYS Fair Promo Item (DPS)	10/25/2021	\$20,055	\$20,055	\$20,055	\$20,055
		Discretionary	N	176131	Paul A. Bradbury	2021 NYS Fair Promo Item (DPS)	10/26/2021	\$12,841	\$12,841	\$12,841	\$12,841
		Discretionary	N	176210	HALO Branded Solutions, Inc.	2021 Promotional Items NYS DPS	10/27/2021	\$33,948	\$33,948	\$33,948	\$33,948
Product Standards		Competitive	N	175727	Energy and Environmental Economics Inc.	E3 TWO#3 RFQL4810	10/20/2021	\$60,000	\$60,000	\$60,000	\$60,000
		Competitive	Y	171661	Ove Arup & Partners Consulting Engineers	TWO #2_ARUP	07/22/2021	\$15,000	\$15,000	\$11,239	\$11,239
		Non-Competitive	N	166538	Northeast Energy Efficiency Partnerships	Prod & Appliance Stnd Portal	04/02/2021	\$50,000	\$50,000	\$49,998	\$49,998
		Non-Competitive	N	175727	Energy and Environmental Economics Inc.	E3 TWO#3 RFQL4810	10/20/2021	\$28,000	\$28,000	\$1,286	\$1,286
Prof & Expert Engagement		Discretionary	N	158504	Rensselaer Polytechnic Institute-LRC	Partner Program Membership	09/21/2020		\$60,000	\$60,000	\$60,000
		Discretionary	N	166225	Upstate Venture Connect	2021 Membership	03/29/2021	\$25,000	\$25,000	\$25,000	\$25,000
		Discretionary	N	166398	Upstate Capital Association of New York	2021 Membership	03/31/2021	\$50,000	\$50,000	\$50,000	\$50,000
		Discretionary	N	166790	Green Light New York, Inc.	2021 BEEEx Membership	04/08/2021	\$50,000	\$50,000	\$50,000	\$50,000
		Discretionary	N	167243	The Coalition for Green Capital	2021 GB Membership	04/19/2021	\$7,000	\$7,000	\$7,000	\$7,000
		Discretionary	N	167299	Northeast Energy Efficiency Partnerships	2021 Membership	04/20/2021	\$175,000	\$175,000	\$175,000	\$175,000
		Discretionary	N	167898	Consortium for Energy Efficiency, Inc.	CEE Membership 2021	05/04/2021	\$48,000	\$48,000	\$48,000	\$48,000
		Discretionary	N	170023	Efficiency Forward, Inc.	DesignLights Consortium 2021	06/21/2021	\$10,000	\$10,000	\$10,000	\$10,000
		Discretionary	N	171442	NASEO	2021 NASEO Membership Dues	07/15/2021	\$15,960	\$15,960	\$15,960	\$15,960
		Discretionary	N	176002	Alliance to Save Energy	2021 ASE Membership	10/25/2021	\$35,000	\$35,000		
		Discretionary	N	176127	The Business Council of NYS, Inc.	2021 Sponsorship	10/26/2021	\$5,000	\$5,000	\$5,000	\$5,000
		Discretionary	N	177990	American Council for an Energy Efficient	2022 ACEEE Ally membership	12/06/2021	\$12,000	\$12,000	\$12,000	\$12,000
		Discretionary	Y	169590	The Coalition for Green Capital	American Green Bank Consortium	06/11/2021	\$10,000	\$10,000	\$10,000	\$10,000
Pub Transit & Elect Rail		Competitive	Y	140315	Randstad North America Inc	TS.003_TBI Coordinator	05/15/2019	\$54,745	\$166,185	\$10,843	\$106,621
		Competitive	Y	156476	TRC Energy Services	SA.063_TWO #22 - T2M	07/31/2020		\$265,372	\$154,424	\$207,064
		Competitive	Y	166063	Fusco Personnel, Inc.	TS.020_TBI_Coordinator	03/24/2021	\$117,000	\$117,000	\$52,455	\$52,455
		Discretionary	Y	169044	Brooklyness, Inc.	Pub Transit & Elect Rail	06/01/2021	\$76,000	\$76,000	\$57,774	\$57,774
Real Time Energy Management		Competitive	Y	117928	Allegis Group Holdings Inc	Staff Augmentation Services	09/06/2017		\$2,066,986	\$364,257	\$1,776,000
		Competitive	Y	143835	EME Consulting Engineering Group, LLC	SA.056_TWO #10 - RTEM MF	08/16/2019	\$181,350	\$516,480	\$175,088	\$398,567
		Competitive	Y	144828	DNV Energy Insights USA Inc.	TWO 8 CEF Comm Impact_DNV	09/12/2019	\$815,935	\$1,198,755	\$461,543	\$564,067
		Competitive	Y	144829A	DNV Energy Insights USA Inc.	TWO 5 CEF Comm Impact_ERS	07/16/2021	\$514,296	\$514,296	\$97,765	\$97,765
		Competitive	Y	164576	EME Consulting Engineering Group, LLC	SA.073_TWO# 13_AES PM	02/17/2021		\$405,633	\$173,931	\$173,931
		Competitive	Y	169418	EME Consulting Engineering Group, LLC	FlexTech Consultant Pool	06/09/2021	\$175,000	\$175,000	\$143,622	\$143,622
		Competitive	Y	ADH0014641	TRC Energy Services	SA.028_TWO #10_AES_PM	02/25/2021	\$215,000	\$215,000	\$50,898	\$50,898
		Discretionary	N	180350	The Real Estate Board of New York, Inc.	PropTech Challenge 2022	01/26/2022	\$35,000	\$35,000	\$35,000	\$35,000
REC2:CES REC2 Tech Support	Competitive	Y	182085	Arcadis of New York, Inc.	Tech Support NYGATS - TWO	03/04/2022	\$20,000	\$20,000			
REC4:CES REC4 Tech Support		Competitive	N	166875	BVG Associates LLC	IE T4	04/09/2021	\$35,140	\$35,140	\$35,140	\$35,140
		Competitive	N	166876	Power Advisory LLC	IE T4	04/09/2021	\$44,800	\$44,800	\$44,800	\$44,800
		Competitive	N	166877	M.J. Beck Consulting LLC	IE T4	04/09/2021	\$31,500	\$31,500	\$31,500	\$31,500
		Competitive	N	166878	Keams & West, Inc.	TWO 5 - T4_Eval Plan Serv	04/09/2021	\$39,836	\$39,836	\$37,404	\$37,404

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Category	Initiative	Type	Term > 1 Year	Contract ID	Contractor	Project Description	Date	Committed this period	Committed to Date	Amt Paid this Period	Amt Paid to Date
PCMT	REC4:CES REC4 Tech Support	Competitive	N	166879	Kearns & West, Inc.	TWO 6 - T4_Facilitation Svcs	04/09/2021	\$39,836	\$39,836	\$39,836	\$39,836
		Competitive	N	169107	Sive Paget & Riesel PC	Tier 4 Outside Counsel Support	06/02/2021	\$425,000	\$425,000	\$387,634	\$387,634
		Discretionary	N	172891	Brattle Group Inc.	TWO #5 Tier 4 Evaluation	08/18/2021	\$50,000	\$50,000	\$50,000	\$50,000
		Discretionary	N	176641	Karp Strategies, LLC	Stakeholder Engagement Support	11/04/2021	\$438,000	\$438,000	\$146,850	\$146,850
REC:CES REC System Dev Costs		Competitive	N	146819	Brattle Group Inc.	TWO #4 Large Scale Hydropower	10/29/2019		\$889,000	\$196,375	\$887,958
		Competitive	N	167046	Tech Valley Talent, LLC	TWO #6 Salesforce Tech -Portia	04/14/2021	\$373,800	\$373,800	\$163,929	\$163,929
		Competitive	N	173777	M.J. Beck Consulting LLC	TWO 4 - RESRFP21-1 TEP IE	09/08/2021	\$40,500	\$40,500	\$40,500	\$40,500
		Competitive	N	173778	BVG Associates LLC	TWO 4 - RESRFP21-1 TEP IE	09/08/2021	\$45,180	\$45,180	\$45,180	\$45,180
		Competitive	N	176004	Power Advisory LLC	Inform LSR Energy Forecast	10/25/2021	\$24,000	\$24,000	\$24,000	\$24,000
		Competitive	N	179528	Fusco Personnel, Inc.	TS.026 - LSR_Coordinator	01/07/2022	\$25,000	\$25,000	\$9,555	\$9,555
		Competitive	Y	143059	Fusco Personnel, Inc.	TS.007 - LSR_Office Admin	07/30/2019	\$88,400	\$196,071	\$57,320	\$139,734
		Competitive	Y	153678	Unique Comp Inc.	TWO Salesforce Dev. - Asrith	04/23/2020		\$243,880		\$110,684
		Discretionary	N	166679	D.K. & S Enterprises Inc	Barnscomb Solar groundbreaking	04/06/2021	\$14,917	\$14,917	\$14,917	\$14,917
		Discretionary	N	173956	D.K. & S Enterprises Inc	Number 3 Wind Event	09/13/2021	\$21,662	\$21,662	\$21,662	\$21,662
		Discretionary	N	176206	Wood Mackenzie Power & Renewables, Inc.	Wood Mackenzie Subscriptions	10/27/2021	\$114,000	\$114,000		
		Discretionary	N	176206A	Wood Mackenzie Inc	Wood Mackenzie Subscriptions	03/02/2022	\$114,000	\$114,000		
		Discretionary	Y	158291	Sustainable Energy Advantage, LLC	REMO Subscription	09/16/2020		\$38,000	\$18,000	\$38,000
		Non-Competitive	N	171082	Wood Mackenzie Power & Renewables, Inc.	NA Power & Renewables 2021/22	07/07/2021	\$53,000	\$53,000	\$53,000	\$53,000
Renewable Heat NY		Competitive	Y	159676	Randstad North America, Inc.	Payroll Services_CHC	10/16/2020		\$234,000	\$117,000	\$162,000
		Competitive	Y	181040	NESCAUM	TWO #13 RHNY Assessment	02/10/2022	\$155,000	\$155,000		
		Discretionary	N	157273	Innovative Natural Resource Solutions, L	Wood Chip Assessment	08/21/2020		\$49,500		\$30,000
Retrofit NY		Competitive	Y	144670	EME Consulting Engineering Group, LLC	SA.057_TWO #11 - Multifamily	09/10/2019	\$200,000	\$497,788	\$143,015	\$317,801
		Discretionary	N	111167	Jasper Van den Munckhof	RetrofitNY advisement	03/07/2017		\$50,000		\$24,011
		Discretionary	N	128063	Integrative Design Collaborative, INC	Retrofit NY	06/19/2018		\$50,000		\$34,091
		Discretionary	N	128084	7group, LLC	Retrofit NY	06/20/2018		\$50,000		\$47,683
		Discretionary	N	130604	Thornton Tomasetti, Inc.	Retrofit NY	08/30/2018		\$18,000		\$12,000
		Discretionary	N	137953	CEC Stuyvesant Cove, Inc.	RetrofitNY Solar Business Case	03/11/2019		\$35,000	\$3,010	\$30,291
		Discretionary	Y	126881	Forsyth Street Advisors, LLC	Retrofit NY	05/15/2018		\$50,000		\$44,500
		Discretionary	Y	139894	Steven Winter Associates, Inc.	Solution Optimization Consulta	05/03/2019		\$50,000	\$15,223	\$50,000
		Discretionary	Y	143625	Energy Infrastructure Partners LLC	Demand Pipeline Consultant	08/12/2019		\$200,000	\$25,913	\$199,275
		Non-Competitive	Y	132545	Stichting Energiesprong	Retrofit NY	10/15/2018		\$200,000	\$13,727	\$51,720
REV Campus Challenge		Competitive		154547	The Cadmus Group, LLC	REV Campus Challenge Market Ev	06/01/2020		\$693,083	\$141,597	\$266,812
		Competitive	Y	121106	Meister Consultants Group, Inc.	REV Campus Challenge	11/29/2017		\$586,265	\$84,671	\$493,133
		Competitive	Y	135754	Ecology and Environment Engineering	Commercial Market Engagement	01/03/2019		\$266,950		\$142,170
		Competitive	Y	137653	Rochester Institute of Technology	REV CC ETL_Rd. 2	03/04/2019		\$999,664	\$302,081	\$537,418
		Competitive	Y	141499	CHA Consulting Inc.	SA.051_TWO #6_EP&E APM	06/18/2019	\$545,000	\$901,265	\$168,014	\$429,692
		Competitive	Y	154094	Sustainable Endowment Institute	GRITS Goals Development - SEI	05/11/2020		\$50,000	\$10,006	\$50,000

NYSERDA ANNUAL CONTRACTS REPORT - Section 1: All Contracts Open During the Period 4/1/2021 to 3/31/2022

Category	Initiative	Type	Term > 1 Year	Contract ID	Contractor	Project Description	Date	Committed this period	Committed to Date	Amt Paid this Period	Amt Paid to Date
PCMT	REV Campus Challenge	Non-Competitive	Y	135754A	WSP USA Corp.	Commercial Market Engagement	12/11/2020		\$204,685		
	Rmve Barriers Dist Enrgy Storg	Competitive	N	138727	Energy and Environmental Economics Inc.	TWO #16 Clean Peaks Study	04/01/2019		\$225,000		\$184,056
		Competitive	N	145717	Harris Wiltshire & Grannis LLP	Cluster Study Tariff Research	10/04/2019		\$6,000		\$3,413
		Competitive	Y	159704	Wadsworth Energy LLC	TWO #2 MDIWG Support	10/20/2020		\$75,000	\$25,335	\$37,860
		Discretionary	N	123419	Climate Policy Initiative	Rmve Barriers Dist Enrgy Storg	02/14/2018		\$48,900		\$28,098
		Discretionary	N	123420	Center for Renewables Integration	Rmve Barriers Dist Enrgy Storg	02/14/2018		\$37,900		\$37,268
		Discretionary	N	127932	Wadsworth Energy LLC	Rmve Barriers Dist Enrgy Storg	06/15/2018		\$49,900		\$49,680
Discretionary	Y	140810	PGR Group LLC	BESS Tech Support for NYSERDA	05/29/2019		\$200,000	\$3,150	\$23,587		
RTEM and Tenants	Discretionary	N	173954	The News Funnel, LLC	CREtech 2021	09/13/2021	\$10,000	\$10,000	\$10,000	\$10,000	
	Discretionary	N	177284	Reed Midem SAS	2021 Propel NYC Conf	11/19/2021	\$10,000	\$10,000	\$10,000	\$10,000	
SARATOGA TECHNOLOGY & ENERGY PARK	Competitive			173421	Rosenblum Property Services, LLC	TWO #7- Concrete Repairs	08/31/2021	\$11,145	\$11,145	\$11,016	\$11,016
	Competitive	N		177155	Harris Beach PLLC	TWO 1 STEP Matters	11/17/2021	\$25,000	\$25,000		
	Competitive	Y		104265	Harris Beach PLLC	RFP 3300 Outside Counsel Servi	09/27/2016	\$2,126	\$156,731	\$2,053	\$138,801
	Competitive	Y		107762	Rosenblum Property Services, LLC	STEP Property Mgmt Services	12/07/2016	\$199,000	\$1,138,065	\$109,348	\$758,667
	Competitive	Y		142233	Rosenblum Property Services, LLC	SARATOGA TECHNOLOGY & ENERGY PARK	07/08/2019		\$57,460		\$57,031
	Non-Competitive	N		28950A	NYS Office of General Services	OGS design review permitting	03/05/2021	\$48,253	\$48,253	\$0	\$0
Single Family New Construction	Non-Competitive	Y		180892	Passive House Institute US	Strategic Industry Partner Eng	02/07/2022	\$50,000	\$50,000		
	Non-Competitive	Y		180966	Taltem Engineering, P.C.	External Targeted Support	02/08/2022	\$50,000	\$50,000		
Small Wind	Competitive	Y		135480	Buffalo Renewables, Inc.	Wind Turbine Incentive	12/24/2018		\$47,700		
	Competitive	Y		141317	Buffalo Renewables, Inc.	WWind Turbine Incentive	06/12/2019		\$87,150	\$87,150	\$87,150
SMART GRID SYSTEMS	Competitive	Y		59850	Cornell University-Office of Sponsored P	Anaerobic Digestion Assistance	03/02/2015		\$750,000		\$631,656
Statewide EE&BE PotentialStudy	Competitive	Y		174807	The Cadmus Group, LLC	TWO 12 StWide Potential Study	09/29/2021	\$889,862	\$889,862	\$171,622	\$171,622
Strategic Energy Manager	Competitive	N		137242	Arcadis of New York, Inc.	SA.046_TWO #4 - EPE	02/19/2019		\$530,213	\$120,504	\$361,485
	Competitive	Y		104532	Apprise, Incorporated	RFQ3183 Umbrella Agreement	10/05/2016		\$344,206	\$67,652	\$226,541
	Competitive	Y		137243	TRC Energy Services	SA.047_TWO #19 - EPE	02/19/2019		\$591,194	\$159,638	\$430,459
	Competitive	Y		138946	EME Consulting Engineering Group, LLC	SA.036c_TWO #8 - EP&E	04/08/2019	\$587,271	\$984,121	\$179,281	\$487,457
	Competitive	Y		ADH0014842	TRC Energy Services	SA.026a_TWO#13 - EPE	11/19/2020		\$346,403	\$168,278	\$168,278
	Competitive	Y		ADH0014877	CHA Consulting Inc.	SA.035_TWO#4 - EPE	11/20/2020		\$168,695	\$84,337	\$84,337
	Competitive	Y		ADH0014980	EME Consulting Engineering Group, LLC	SA.044_TWO#5_EPE PM	02/05/2021		\$198,123	\$73,125	\$73,125
	Discretionary	N		168883	First Colonie Company	SEM Cohort Meeting 2021	05/26/2021	\$6,500	\$6,500	\$3,643	\$3,643
Subscription/Data Access	Discretionary	N		132476-1	Bloomberg Finance LP	Bloomberg Datafeed Access	01/11/2019	\$12,120	\$81,900	\$22,364	\$81,900
	Discretionary	N		160881	Wood Mackenzie Power & Renewables, Inc.	GTM Squared, Solar and Wind	11/14/2020		\$109,648	\$107,962	\$107,962
	Discretionary	N		166389	American Council for an Energy Efficient	Industrial Heat Pump Research	03/31/2021	\$25,000	\$25,000	\$25,000	\$25,000
	Discretionary	N		167735	Action Research Inc.	Behavior Consulting Services	04/29/2021	\$50,000	\$50,000	\$19,734	\$19,734
	Discretionary	Y		160333	ACEEE	ACEEE sponsored research	11/02/2020		\$40,000		
	Non-Competitive	Y		148096	American Council for an Energy Efficient	Subscription/Data Access	11/25/2019		\$70,000	\$70,000	\$70,000
Talent Pipeline:CE and OJT	Competitive	Y		130548	Kelliher Samets LTD	TWO 21 WFD Talent Pipeline Mkt	08/27/2018		\$600,000	\$5,695	\$34,455

NYSERDA ANNUAL CONTRACTS REPORT - Section 1: All Contracts Open During the Period 4/1/2021 to 3/31/2022

Category	Initiative	Type	Term > 1 Year	Contract ID	Contractor	Project Description	Date	Committed this period	Committed to Date	Amt Paid this Period	Amt Paid to Date
PCMT	Talent Pipeline:CE and OJT	Competitive	Y	154034	BW Research Partnership	TWO# 1 CE Industry Report	05/06/2020	\$6,000	\$365,205	\$182,056	\$339,961
		Competitive	Y	172064	TRC Energy Services	TWO #4 SIPPPRA Implementation	07/30/2021	\$400,000	\$400,000	\$7,184	\$7,184
		Discretionary	N	178005	Arch Street Communications, Inc.	Arch Street Communications	12/06/2021	\$400,000	\$400,000	\$36,000	\$36,000
		Discretionary	Y	180120	Singlebrook Technology Inc.	CJF Program Support	01/20/2022	\$230,000	\$230,000		
		Non-Competitive	N	154054	Interplay Learning Inc.	On-Line Training Subscription	05/07/2020		\$100,000		\$53,600
		Non-Competitive	N	154959	Building Performance Institute, Inc.	COVID Energy Audit Procedures	06/16/2020		\$115,000	\$44,535	\$114,935
		Non-Competitive	Y	155911	Research Foundation of The City	TWO Umbrella Agreement #148934	07/17/2020		\$182,157		\$40,599
Technical Services		Competitive	Y	136881	L&S Energy Services, Inc.	Tech Review - OsEM	02/06/2019	\$100,000	\$200,522	\$44,949	\$87,910
		Competitive	Y	139043	R.W. Beck Group, Inc.	StakeholderEngagement_Outreach	04/10/2019		\$242,915	\$3,244	\$117,066
		Competitive	Y	156483	Noresco LLC	IAQ - Tech Review - NORESCO	07/31/2020	\$33,600	\$105,000	\$103,759	\$103,759
		Competitive	Y	156896	TRC Energy Services	SA.061_TWO#23 - Multifamily	08/12/2020		\$289,255	\$182,325	\$270,250
		Competitive	Y	162057	American Society of Heating,Refrigeratin	ASHRAE - EPE Team Support TWO	12/15/2020		\$105,000	\$66,871	\$105,000
		Competitive	Y	171669	EME Consulting Engineering Group, LLC	EPE Team Analysis - EME TWO	07/23/2021	\$50,000	\$50,000	\$11,706	\$11,706
		Competitive	Y	174804	EME Consulting Engineering Group, LLC	SA.084_TWO# 15_MF PM-1	09/29/2021	\$312,630	\$312,630	\$51,081	\$51,081
		Discretionary	Y	155980	Ensava, Inc.	CEA Db&Benchmark Tool Creation	07/20/2020		\$49,956	\$35,282	\$49,956
		Non-Competitive	Y	155980	Ensava, Inc.	CEA Db&Benchmark Tool Creation	07/20/2020	\$29,388	\$29,388	\$18,174	\$18,174
		Non-Competitive	Y	157752	Cornell University	NYS CEA Database GLASE	09/03/2020		\$224,817		
WEST VALLEY DEVELOPMENT PROGRAM		Competitive	N	143573	McMahon and Mann Consulting Engineers	TWO 2 - Evaluation of Mitigati	08/09/2019		\$117,000		\$116,922
		Competitive	N	143574	McMahon and Mann Consulting Engineers	TWO 3 - Trench Cap Drainage Ma	08/09/2019		\$55,000		\$9,528
		Competitive	N	143738	Enercon Services Inc	TWO 1 - Review of Draft Regula	08/14/2019		\$49,985		\$39,040
		Competitive	N	145115	McMahon and Mann Consulting Engineers	TWO #5 - Catch Basin	09/19/2019		\$20,000		\$18,934
		Competitive	N	159554	Stantec Consulting Services, Inc.	WVSMP ENV. Support Services	10/14/2020	\$591,762	\$1,421,458	\$256,694	\$256,694
		Competitive	N	170073	McMahon and Mann Consulting Engineers	TWO#7 Geotech Investigation	06/23/2021	\$100,000	\$100,000	\$44,179	\$44,179
		Competitive	N	PO9602	The Garrick Co., LLC	Probabilistic Evaluation	06/17/2009		\$624,231		\$617,385
		Competitive	Y	61280	MJW Technical Services, Inc.	Radiation Protection Support	03/24/2015		\$3,314,798	\$325,217	\$2,667,423
		Competitive	Y	69939	AECOM Technical Services Inc.	Environmental Monitoring Suppo	07/28/2015		\$2,789,019	\$85,110	\$2,476,534
		Competitive	Y	104075	Enercon Services Inc	RFP 3305 Licence Consultation	09/21/2016	\$30,000	\$432,676	\$9,880	\$399,636
		Competitive	Y	104264	Arnold & Porter Kaye Scholer LLP	RFP 3300 Outside Counsel Servi	09/27/2016		\$50,000	\$338	\$32,255
		Competitive	Y	105183	McMahon and Mann Consulting Engineers	Engineering Services WV	10/20/2016		\$750,000	\$21,800	\$376,205
		Competitive	Y	113450	Chenango Contracting, Inc.	RFP 3456	05/04/2017		\$1,238,102		\$1,121,488
		Competitive	Y	118436	The Logue Group	WEST VALLEY DEVELOPMENT PROGRAM	09/22/2017		\$413,446	\$25,065	\$136,439
		Competitive	Y	153048	McMahon and Mann Consulting Engineers	TWO #6 Engineering Services	03/31/2020		\$250,000	\$100,545	\$250,000
		Competitive	Y	155706	Joseph R Chimera	Ops and Maintenance	07/13/2020	\$756,659	\$2,256,659	\$1,296,684	\$1,465,397
		Competitive	Y	158278	Axis Geospatial	2020 WNYNSC LIDAR Mapping	09/16/2020		\$287,568	\$100,649	\$287,568
		Competitive	Y	179849	Sive Paget & Riesel PC	TWO 1 - West Valley SEQRA	01/13/2022	\$15,000	\$15,000	\$2,633	\$2,633
		Discretionary	N	182136	Nukelaw LLC	West Valley safeguards advisin	03/04/2022	\$15,000	\$15,000		
		Discretionary	Y	123699	Brenda Sayers	Janitorial contract	02/21/2018		\$48,720	\$12,340	\$48,670

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Category	Initiative	Type	Term > 1 Year	Contract ID	Contractor	Project Description	Date	Committed this period	Committed to Date	Amt Paid this Period	Amt Paid to Date
PCMT	WEST VALLEY DEVELOPMENT PROGRAM	Non-Competitive	Y	53151	GZA GeoEnvironmental of New York	Trench 14 Investigation	11/24/2014	\$67,650	\$760,427	\$82,492	\$745,852
		Non-Competitive	Y	93559	Peter L. Krog	Ashford Office Complex Lease	03/21/2016	\$521,898	\$980,178	\$103,319	\$553,961
		Non-Competitive	Y	107662	U.S. Nuclear Regulatory Commission	PO Payment of NRC License Fees	12/06/2016		\$350,000	\$60,604	\$271,496
		Non-Competitive	Y	153048	McMahon and Mann Consulting Engineers	TWO #6 Engineering Services	03/31/2020	\$113,263	\$113,263	\$113,263	\$113,263
		Non-Competitive	Y	181039	Brenda J. Sayers	Janitorial Contract for (AOC)	02/10/2022	\$62,880	\$62,880		
	Workforce Industry Partnership	Competitive	Y	164974A	DNV Energy Insights USA Inc.	TWO 1 - WFD BLDG/Talent	07/13/2021	\$1,134,321	\$1,134,321	\$410,236	\$410,236
		Discretionary	Y	121174	Steven Winter Associates, Inc.	NYC Retrofit Demo	11/30/2017		\$49,830		\$39,584
	ZEC:CES ZEC System Dev Costs	Competitive	N	158587	Carahsoft Technology Corporation	Salesforce Communities license	09/22/2020		\$13,536	\$0	\$13,536
		Competitive	Y	163482	Tech Valley Talent, LLC	TWO 1 Salesforce Dev. Rajesh K	01/20/2021	\$186,264	\$363,714	\$179,787	\$194,275
	Grand Total								\$121,376,176	\$416,210,754	\$77,156,241

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Contractor	SupplierAddress	SupplierCity	SupplierState	SupplierZipCode	Business Type	WBE	MBE	SDVOB	SBE
7group, LLC	600 Grings Hill Road	Sinking Spring	PA	19608	FSBE				
22nd Century Technologies, Inc.	220 Davidson Ave., Ste 118	Somerset	NJ	08873	FSBE				
74&WEST LLC	200 East 66th Street	New York	NY	10065	NYSBE				
455 Hospitality LLC	d/b/a Sleepy Hollow Hotel + Conference Ctr	Tarrytown	NY	10591	NYSBE				
ABH Capital Management, LLC	ServerMonkey.com	Houston	TX	77040	FSBE				
Abt Associates Inc.	6130 Executive Boulevard	Rockville	MD	20852	FSBE				
ACEEE	529 14th St. NW, Suite 600	Washington	DC	20045	FSBE				
Action Research Inc.	3630 Ocean Ranch Blvd.	Oceanside	CA	92056	FSBE				
Activate Global, Inc	2600 Tenth St.	Berkeley	CA	94704	FSBE				
Adam Hinge	d/b/a Sustainable Energy Partnerships	Tarrytown	NY	10591	NYSBE				
Adewale Aremu Adesanya	Havenergy Consulting Inc.	Guiderland	NY	12084-9998	NYSBE				
Adirondack Area Network	10 Empire State Blvd	Castleton	NY	12033-9751	NYSBE				
Adirondack Center for Loon	Conservation Inc.	Ray Brook	NY	12977	NYSBE				
ADM Associates, Inc.,	3239 Ramos Circle	Sacramento	CA	95827	FSBE				
ADP, Inc.	PO Box 842875	Boston	MA	02284-2875	FSBE				
Advanced Energy Group L.L.C.	New York Advanced Energy	Bryn Mawr	PA	19010	FSBE		X		
Adviser Compliance Associates, LLC	1370 Braodway	New York	NY	10018	NYSBE				
AECOM Technical Services Inc.	515 South Flower Street, 3rd Floor	Los Angeles	CA	90071	FSBE				
Akimeka, LLC	901 No. Lake Destiny Drive	Maitland	FL	32751	FSBE				
AlienVault, Inc.	1875 S. Grant Street, Suite #200	San Mateo	CA	94402	FSBE				
Allard Communications	13 Huckleberry Drive	Castleton	NY	12033	NYSBE				
Allegis Group Holdings Inc	7301 Parkway Drive	Hanover	MD	21076	FSBE				
Alliance for Sustainable Energy, LLC	15013 Denver West Parkway	Golden	CO	80401	FSBE				
Alliance to Save Energy	3570 Guiderland Avenue	Rotterdam	NY	12306	NYSBE				
Alliant Insurance Services, Inc.	2002 Richard Jones Road	Nashville	TN	37215	FSBE				
Allison van Hee	66 Rockwell Place	Brooklyn	NY	11217	NYSBE				
Amazon Capital Servies, Inc.	410 Terry Avenue North	Seattle	WA	98109	FSBE				
Amerex Brokers LLC	One Sugar Creek Center Blvd. #700	Sugar Land	TX	77478	FSBE				
American Council for an Energy Efficient	529 14th Street, NW Suite 600	Washington	DC	20045	FSBE				
American Lung Association	55 W. Wacker Drive, Suite 1150	Chicago	IL	60601	FSBE				
American Society of Adaptation Professio	P.O. Box 980329	Ypsilanti	MI	48198	FSBE				

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Contractor	SupplierAddress	SupplierCity	SupplierState	SupplierZipCode	Business Type	WBE	MBE	SDVOB	SBE
American Society of Heating,Refrigeratin	1791 Tullie Circle, N.E.	Atlanta	GA	30329-2305	FSBE				
American Solar Grazing Association, Inc.	863 Hayts Rd.	Ithaca	NY	14850	NYSBE				
AmTrust North America Inc.	PO Box 94557	Cleveland	OH	44101-4557	FSBE				
Andrew Seiden	MTWABP LLC	Brooklyn	NY	11201	NYSBE				
AOGC Consulting LLC	152 W 76th Street	New York	NY	10023	NYSBE				
Aon Risk Consultants, Inc.	200 E. Randolph Street	Chicago	IL	60601	FSBE				
APPEXTREMES, LLC	PO BOX 7839	Broomfield	CO	80021	FSBE				
Applied Design Initiative LLC	247 Wsr 35th Street	New York	NY	10001	NYSBE				
Apprise, Incorporated	32 Nassau Street, Suite 200	Princeton	NJ	08542	FSBE				
Arcadis of New York, Inc.	6723 Towpath Rd	Syracuse	NY	13214	NYSBE				
Arcadis U.S., Inc.	PO Box 66	Syracuse	NY	13214-0066	NYSBE				
Arch Street Communications, Inc.	31 Mamaroneck Ave., Ste 400	White Plains	NY	10601	NYSBE	X			
Architectural Flooring Resource, Inc.	135 W 27th Street	New York	NY	10001	NYSBE	X	X		
Arctic Air Mechanical Corp	13-47 209th St	Bayside	NY	11360	NYSBE				
Argus Media Inc.	500 Fifth Ave., Ste 2410	New York	NY	10110	NYSBE				
Arnold & Porter Kaye Scholer LLP	P.O. Box 759451	Baltimore	MD	21275-9451	FSBE				
ASANA, Inc.	633 Folsom Street, Suite 100	San Francisco	CA	94107	FSBE				
Asthma and Allergy Foundation of America	1235 South Clark Street	Arlington	VA	22202	FSBE				
Atlantic Data Security, LLC	23 Shoddy Mill Road	Bolton	CT	06043	FSBE				
Axis Geospatial	28640 Mary's Court	Easton	MD	21601	FSBE				
Bank of New York	101 Barclay St	New York	NY	10286	NYSBE				
Banyan Infrastructure Corporation	301 Howard St Unit 830	San Francisco	CA	94105	FSBE				
Battelle Memorial Institute	902 Battelle Blvd	Richland	WA	99352	FSBE				
BDO USA LLP	PO Box 642743	Pittsburgh	PA	15264-2743	FSBE				
Benchmark Printing, Inc.	1890 Maxon Rd Ext	Schenectady	NY	12308-1140	NYSBE				
Bethany Meys	dba MB Consulting	Gansevoort	NY	12831	NYSBE				
BioDiversity Research Institute	276 Canco Rd Lowr	Portland	ME	04103-4347	FSBE				
Bishop House Consulting, Inc.	PO Box 489	Burnt Hills	NY	12027	NYSBE				
Bizodo Inc	30 Vandam St. F12	New York	NY	10013	NYSBE				
BLIX Consultancy BV		Utrecht	0344	3551 EJ	FSBE				
Bloomberg Finance LP	731 Lexington Avenue	New York	NY	10022	NYSBE				

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Contractor	SupplierAddress	SupplierCity	SupplierState	SupplierZipCode	Business Type	WBE	MBE	SDVOB	SBE
Boice Dunham Group Inc	14 W 17th St 7S	New York	NY	10011	NYSBE				
Bond, Schoeneck & King, PLLC	22 Corporate Woods Blvd., Ste 501	Albany	NY	12211-2503	NYSBE				
Booz Allen Hamilton, Inc.	8283 Greensboro Dr	McLean	VA	22102	FSBE				
BPCA NYS Inc.	15516 99th St	Howard Beach	NY	11414	NYSBE				
Brattle Group Inc.	One Beacon St., Ste 2600	Boston	MA	02108	FSBE				
Brenda J. Sayers	d/b/a Say Clean	West Valley	NY	14171-9622	NYSBE				
Brenda Sayers	8870 Route 240	West Valley	NY	14171-0111	NYSBE				
Brooklynness, Inc.	Beyond	New York	NY	10013	NYSBE				
Buckeye Terminals, LLC	One Greenway Plaza	Houston	TX	77046	FSBE				
Buffalo Renewables, Inc.	3840 E Robinson Road	Amherst	NY	14228	NYSBE				
Building Media, Inc.	12932 SE Kent Kangley Rd, Ste 529	Kent	WA	98030	FSBE				
Building Performance Institute, Inc.	107 Hermes Rd Ste 200	Ballston Spa	NY	12020-4481	NYSBE				
Business Network for Maryland Offshore W	22 Pennsylvania Avenue	Towson	MD	21204	FSBE				
BVG Associates LLC	28411 Northwestern HWY Suite 800	Southfield	MI	48034	FSBE				
BW Research Partnership	6120 Paseo Del Norte, Suite D2	Carlsbad	CA	92011	FSBE				
Bynder LLC	24 Farnsworth St., Ste 400	Boston	MA	02210	FSBE				
C.J. Brown Energy, P.C.	4245 Union Rd., Ste 204	Cheektowaga	NY	14225	NYSBE				
Capital District Records Management, Inc	PO Box 4044	Clifton Park	NY	12065	NYSBE				
Capital for Communities, LLC	524 St. John's Place	Brooklyn	NY	11238	NYSBE				
Carahsoft Technology Corporation	11493 Sunset Hills Road	Reston	VA	20190	FSBE				
Carbon Trust Advisory Limited	4th Floor Dorset House, 27-45 Stamford St.	London		SE1 9NT	FSBE				
Carnegie Fabrics LLC	110 North Centre Avenue	Rockville Centre	NY	11570	NYSBE				
Caroline Hazard	19 W 21st Street, Suite 604	New York	NY	10010	NYSBE				
Caroprese & Company	151 Forest Street, Unit B	Montclair	NJ	07042	FSBE				
Carter Ledyard & Milburn LLP	2 Wall Street	New York	NY	10005	NYSBE				
CDATA SOFTWARE, INC.	101 Europa Dr. Suite 110	Chapel Hill	NC	27517	FSBE				
CDP North America Inc	127 W 26th St	New York	NY	10001	NYSBE				
CEC Stuyvesant Cove, Inc.	9-03 44th Road	Long Island City	NY	11101	NYSBE				
Center for Renewables Integration	PO Box 523593	Springfield	VA	22152	FSBE				
Center for Sustainable Energy	3980 Sherman St., Ste 170	San Diego	CA	92110	FSBE				
CHA Consulting Inc.	3 Winners Circle	Albany	NY	12205	NYSBE				

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Charter Communications Holdings, LLC	12405 Powerscourt Dr	St. Louis	MO	63131-3674	FSBE				
Chenango Contracting, Inc.	29 Arbutus Road	Johnson City	NY	13790	NYSBE				
Cheryl Earley	14 Debbie Court	Albany	NY	12205	NYSBE				
Christopher Alan Hunter	215 W 10th St, Apt 1E	New York	NY	10014	NYSBE				
Citadel SPV LLC	85 Broad Street, 18th Fl	New York	NY	10004	NYSBE				
Clarus Glassboards, LLC	7537 Jack Newell Blvd N	Fort Worth	TX	76118	FSBE				
CLEARResult Consulting, Inc.	4301 Westbank Dr., A-150	Austin	TX	78746	FSBE				
Climate Policy Initiative	235 Montgomery Street #13	San Francisco	CA	94104	FSBE				
Coastal States Stewardship Foundation	50 F Street, NW Suite 570	Washington	DC	20001	FSBE				
Cody R. Koch	Timber Trails Forest Farm	Canandaigua	NY	14424	NYSBE				
COGENT Infotech Corporation	1035 Boyce Road, Suite 108	Pittsburgh	PA	15241	FSBE		X		
Coleman Wallace Communications LLC	8 Pines Court	Albany	NY	12203	NYSBE				
Columbia University	500 W 120th St	New York	NY	10027-6623	NYSBE				
Commercial Cleaning NY Sunshine, Inc.	1385 Broadway	New York	NY	10018	NYSBE				
Commercial Investigations LLC	622 Loudon Rd., Ste 201	Latham	NY	12110	NYSBE	X			
Community Preservation Corp.	28 E 28th St Fl 9th	New York	NY	10016-7930	NYSBE				
Complete Cabling Solutions LLC	PO Box 594	Fair Lawn	NJ	07410	FSBE				
Computer SOS Inc.	1505 Cleveland Drive	Cheektowaga	NY	14225	NYSBE				
Concur Technologies, Inc.	601 108th Ave., NE, Ste 1000	Bellevue	WA	98004-4750	FSBE				
Consensus Building Institute, Inc.	100 Cambridgepark Drive	Cambridge	MA	02140	FSBE				
Consortium for Energy Efficiency, Inc.	98 North Washington Street	Boston	MA	02114-1918	FSBE				
Consumerbase LLC	33 N. Dearborn Street	Chicago	IL	60602	FSBE				
Control Solutions Group, Inc.	122 West 27th St., 5th Floor	New York	NY	10001	NYSBE				
Corelogic, Inc.	Corelogic Solutions, LLC	Irvine	CA	92618	FSBE				
Cornell University	341 Pine Tree Road	Ithaca	NY	14850	NYSBE				
	373 Pine Tree Rd., Rm 130V	Ithaca	NY	14850	NYSBE				
Cornell University-Office of Sponsored P	216 Riley-Robb Hall	Ithaca	NY	14853	NYSBE				
CoStar Realty Information, Inc.	PO Box 791123	Baltimore	MD	21279-1123	FSBE				
Couch White, LLP	540 Broadway, PO Box 22222	Albany	NY	12201	NYSBE				
Crisafulli Bros Plumbing Heating Contr	25 Industrial Park Road	Albany	NY	12206	NYSBE	X			
Crown Castle Fiber LLC	PO Box 32102	New York	NY	10087-2102	NYSBE				

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Culver Company, LLC	104 Bridge Rd	Salisbury	MA	01952	FSBE				
CVENT, Inc.	1765 Greensboro Station Pl	Tysons Corner	VA	22102	FSBE				
D & R International Ltd	1300 Spring St, Ste 500	Silver Spring	MD	20910	FSBE				
D.K. & S Enterprises Inc	871 Main St	Clifton Park	NY	12065-1097	NYSBE				
D.L. English Consulting, Inc.	616 Elm Street	S Dartmouth	MA	02748	FSBE				
Daniel J Jacob	310 Mt. Washington Hotel Rd.	Bretton Woods	NH	03575	FSBE				
Darling Advertising Agency Inc.	181 Christopher Street	New York	NY	10014	NYSBE				
Data Nerds Marketing Ltd.	Estated	West Kelowna	BC	V1Z 3M4	FSBE				
Davies Office Refurbishing, Inc.	40 Loudonville Rd	Albany	NY	12204	NYSBE	X			
Dawn Dzurilla	d/b/a Gaia Human Capital Consultants	San Francisco	CA	94123	FSBE				
DealCloud Inc.	300 S. Tryon St., Suite 1200	Charlotte	NC	28202	FSBE				
Dell, Inc.	1 Dell Way, RR8, Box 8716	Round Rock	TX	78682	FSBE				
Deloitte Consulting LLP	1919 N. Lynn Street	Arlington	VA	22209	FSBE				
Delta Dental of New York	One Delta Drive	Mechanicsburg	PA	17055-6999	FSBE				
Diana L. McWilliams Interior Design, PLL	875 Spring Avenue	Troy	NY	12180	NYSBE	X			
Dick Kornbluth	661 Fellows Ave.	Syracuse	NY	13210	NYSBE				
Direct Packet Inc.	909 Lake Carolyn Parkway, Suite 1800	Irving	TX	75039	FSBE				
DNV Energy Insights USA Inc.	1400 Ravello Drive	Katy	TX	77449	FSBE				
DNV GL Energy Services USA Inc.	67 South Bedford St., Ste 201E	Burlington	MA	01803	FSBE				
DNV GL Energy USA, Inc.	1400 Ravello Drive	Katy	TX	77449-5164	FSBE				
Dodge Data & Analytics	7625 Collection Center Drive	Chicago	IL	60693-0076	FSBE				
Dori Doors & Security, Inc	728 East 136th Street	Bronx	NY	10454	NYSBE				
Dowd-Witbeck Printing Corp.	599 Pawling Ave.	Troy	NY	12180-5899	NYSBE	X			
Dr. Richard Schlesinger	PO Box 621	Millwood	NY	10546	NYSBE				
DTN, LLC	11400 Rupp Drive	Burnsville	MN	55337	FSBE				
Dynamo Energy Hub	1718 Capital Ave	Cheyenne	WY	82001	FSBE				
E Source Companies LLC	1745 38th Street	Boulder	CO	80301	FSBE				
E4TheFuture Inc.	205 Newbury Street	Framingham	MA	01701	FSBE				
Eastern Research Group, Inc.	110 Hartwell Ave	Lexington	MA	02421	FSBE				
EC Infosystems, Inc.	333 Earle Ovington Boulevard	Uniondale	NY	11553	NYSBE				
Ecology & Environment, Inc.	368 Pleasant View Dr	Lancaster	NY	14086-1397	NYSBE				

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Ecology and Environment Engineering	368 Pleasant View Drive	Lancaster	NY	14086	NYSBE				
Efficiency Forward, Inc.	10 High Street, Suite 10	Medford	MA	02155	FSBE				
Egg Geo, LLC	2860 Scherer Dr N STE 640	St. Petersburg	FL	33716	FSBE				
Ellen Lutz Consulting, LLC	197 Lynnebrook Lake	Philadelphia	PA	19118	FSBE				
Embertec USA, LLC	176 Seacliff Drive	APTOS	CA	95003	FSBE				
EME Consulting Engineering Group, LLC	550 Seventh Avenue 10th Floor	New York	NY	10018	NYSBE				
Empire State Development Corp.	Attn: Babara Payos	New York	NY	10017-6706	NYSBE				
Employee Leasing of Greater NY	2137 Router 35 Suite 160	Holmdel	NJ	07733	FSBE		X	X	
Enercon Services Inc	500 Town Park Lane	Kennesaw	GA	30144	FSBE				
Energy & Environmental Research	2 Babcock Farms Lane	Pittsford	NY	14534-4713	NYSBE				
Energy & Resource Solutions, Inc.	120 Water Street, Suite 350	North Andover	MA	01845	FSBE				
Energy and Environmental Economics Inc.	2401 E Katella Ave.	Anaheim	CA	92806	FSBE				
Energy Infrastructure Partners LLC	194 32nd Street	Brooklyn	NY	11232	NYSBE		X		
Ensave, Inc.	65 Millett Street, Suite #105	Richmond	VT	05477	FSBE				
Environment & Energy Publishing, LLC	122 C Street NW	Washington	DC	20001	FSBE				
Environmental Defense Fund	257 Park Avenue South	New York	NY	10010	NYSBE				
ePlus inc	13595 Dulles Technology Dr	Herndon	VA	20171-3413	FSBE				
Erdman Anthony & Associates, Inc.	145 Culver Road, Suite 200	Rochester	NY	14620	NYSBE				
ESRI, Incorporated	380 New York Street	Redlands	CA	92373	FSBE				
Essense Partners Inc.	216 East 45th St., 11th Floor	New York	NY	10017	NYSBE	X	X		
Evoworld	2800 7th Avenue	Troy	NY	12180	NYSBE				
First Colonie Company	660 Albany Shaker Road	Albany	NY	12211	NYSBE				
First Columbia Property Services, LLC	22 Century Hill Dr Ste 301	Latham	NY	12110-2116	NYSBE				
First Quality Maintenance II, LLC	318 West 39th Street, 7th Floor	New York	NY	10018	NYSBE				
Folor, Inc	110 West 40th Street	New York	NY	10018	NYSBE				
Forsyth Street Advisors, LLC	588 Broadway, Suite 1208	New York	NY	10012	NYSBE				
Fort Orange Press Incorporated	11 Sand Creek Rd # 828	Albany	NY	12205-1442	NYSBE				
Fotobabble, Inc.	4096 Piedmont Avenue #610	Oakland	CA	94611	FSBE				
Four Points Group, Inc.	4451 Brookfield Corp Dr.	Chantilly	VA	20151	FSBE				
Frontier Energy, Inc.	2695 Bingley Rd	Cazenovia	NY	13035	NYSBE				
Fund for Public Health in New York, Inc.	22 Cortlandt Street, Suite #802	New York	NY	10007	NYSBE				

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Fusco Personnel, Inc.	4 Executive Park Dr Ste B	Albany	NY	12203-3718	NYSBE	X			
Gartner Inc.	56 Top Gallant Rd	Stamford	CT	06902	FSBE				
GCOM Software LLC	24 Madison Ave Ext	Albany	NY	12203	NYSBE				
General Electric International Inc	1 River Rd Bldg 2	Schenectady	NY	12345-6000	NYSBE				
General Electric International, Inc.	One River Road	Schenectady	NY	12345	NYSBE				
GEOMETRICS, INC.	2190 FORTUNE DRIVE	SAN JOSE	CA	95131	FSBE				
George Hidy	6 Evergreen Dr.	Placitas	NM	87043	FSBE				
Getty Images (US), Inc.	605 5th Ave., Ste 400	Seattle	WA	98104	FSBE				
GovOS, Inc.	PO Box 676237	Dallas	TX	75267-6237	FSBE				
Green Light New York, Inc.	31 Chambers St., Ste 609	New York	NY	10007	NYSBE				
Greenwood Strategies LLC	65 East 3rd Street	Brooklyn	NY	11218	NYSBE				
Grid Strategies, LLC	9207 Kirkdale Road	Bethesda	MD	20817	FSBE				
Groundswell, Inc.	80 M Street SE	Washington	DC	20003	FSBE				
Guidehouse Inc.	150 N Riverside Plz Ste 2100	Chicago	IL	60606-1528	FSBE				
GZA GeoEnvironmental of New York	300 Pearl St., Ste 700	Buffalo	NY	14202	NYSBE				
HALO Branded Solutions, Inc.	1500 HALO WAY	Sterling	IL	31081	FSBE				
Harris Beach PLLC	99 Garnsey Road	Pittsford	NY	14534	NYSBE				
Harris Wiltshire & Grannis LLP	1919 M Street, NW, Eighth Floor	Washington	DC	20036	FSBE				
Harrisburg University of Science and Tec	326 Market Street	Harrisburg	PA	17101	FSBE				
Hatch Associates Consultants, Inc.	PO Box 200966	Pittsburgh	PA	15251	FSBE				
Hester Street Collaborative, Inc.	113 Hester Street	New York	NY	10002	NYSBE				
Hodgson Russ LLP	140 Pearl Street, Suite 100	Buffalo	NY	14202	NYSBE				
Holland & Knight LLP	PO Box 864084	Orlando	FL	32886	FSBE				
Honeywell International Inc.	700 Airways Park Drive	East Syracuse	NY	13057	NYSBE				
Honkamp Krueger & Co., PC	2345 John F Kennedy Rd	Dubuque	IA	52002	FSBE				
HPDC Energy LLC	253 West 35th Street	New York	NY	10001	NYSBE				
HyperGen Inc	7810 Carvin Street	Roanoke	VA	24019	FSBE				
ICE Data, LP	ICE US OTC Commodity Mkts LLC	Atlanta	GA	31193-5278	FSBE				
ICF Incorporated LLC	9300 Lee Highway	Fairfax	VA	22031	FSBE				
ICF Resources, LLC	9300 Lee Highway	Fairfax	VA	22031	FSBE				
IESI NY Corporation	99 Wood Ave., South, Ste 1001	Iselin	NJ	08830	FSBE				

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IHS Global Inc.	15 Inverness Way East	Englewood	CO	80112	FSBE				
Illume Advising LLC	440 Science Dr., Suite 202	Madison	WI	53711	FSBE	X			
Impact by Design Inc.	7304 Carroll Ave #196	Takoma Park	MD	20912	FSBE				
Indeed Inc.	177 Broad Street	Stamford	CT	06901	FSBE				
Independent Security Services, Inc.	38 Sheridan Ave	Albany	NY	12210	NYSBE				
Industrial Economics, Incorporated	2067 Massachusetts Avenue	Cambridge	MA	02140	FSBE				
Info-Tech Research Group Inc.	3960 Howard Hughes Parkway, Suite 500	Las Vegas	NV	89169	FSBE				
Infogroup Government Division	1001 Fort Crook Rd.	Bellevue	NE	68046	FSBE				
inMotion, Inc.	PO Box 744276	Atlanta	GA	30384-4276	FSBE				
Innovative Natural Resource Solutions, L	37 Old Pound Road	Antrim	NH	03440	FSBE				
Insight Public Sector, Inc.	6820 S. Hari Ave.	Tempe	AZ	85283	FSBE				
Institute for Building Technology and Sa	45207 Research Place	Ashburn	VA	20147	FSBE				
InStream, LLC	Biel's Information Technology Systems	West Seneca	NY	14224	NYSBE				
Integrative Design Collaborative, INC	20 Woodland Street	Arlington	MA	02476	FSBE				
International Business Machines	299-300 Long Meadow Rd.	Sterling Forest	NY	10979-0700	NYSBE				
International Code Council, Inc.	48 Dublin Drive	Niskayuna	NY	12309	NYSBE				
International Energy Program	Evaluation Conference Inc	Madison	WI	53705	FSBE				
Interplay Learning Inc.	1400 W 5th Street	Austin	TX	78703	FSBE				
Interstate Renewable Energy Council, Inc	PO BOX 1156	Latham	NY	12110-0079	NYSBE				
Intralinks, Inc.	PO Box 392134	Pittsburgh	PA	15251	FSBE				
Inventive Intellect, LLC	303 East 83rd St	New York	NY	10028	NYSBE				
IOvations Inc.	26 Ray Ave.	Burlington	MA	01803	FSBE				
Ithaca College	953 Danby Rd	Ithaca	NY	14850-7002	NYSBE				
ITS-NY	14 Loveland Court	Cranbury	NJ	08512	FSBE				
Jared Rodriguez	DBA Emergent Urban Concepts LLC	Sleepy Hollow	NY	10591	NYSBE				
Jaros, Baum & Bolles	Consulting Engineers, LLP	New York	NY	10005-1702	NYSBE				
Jasper Van den Munckhof		Obbicht		6125 AT	FSBE				
JFL Consulting LLC	16 Diamond Place	Saratoga Springs	NY	12866	NYSBE				
John Hans Lee	DBA Distant Lands	New York	NY	10028	NYSBE				
John Siegenthaler	d/b/a Appropriate Designs	Holland Patent	NY	13354	NYSBE				
Joseph R Chimera	d/b/a JR & Sons Excavating	Eden	NY	14057	NYSBE				

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Kanji No Koen Consulting LLC	West 66th Street	New York	NY	10023	NYSBE				
Karp Strategies, LLC	833 President Street	Brooklyn	NY	11215	NYSBE	X			
Karpman Consulting, LLC	78 Eastern Boulevard	Glastonbury	CT	06033	FSBE				
Kastle New York, LLC	655 Third Ave	New York	NY	10017	NYSBE				
Kearns & West, Inc.	1990 K Street Inc	Washington	DC	20006	FSBE				
Kelliher Samets LTD	d/b/a KSV	Burlington	VT	05401	FSBE	X			
King Freeze Mechanical Corp	127 West 26th Street	New York	NY	10001	NYSBE		X		
KPMG LLP	PO Box 120001	Dallas	TX	75312-0511	FSBE				
L&S Energy Services, Inc.	58 Clifton Country Road	Clifton Park	NY	12065	NYSBE				
Landmark Flooring Concepts Inc	5 Interstate Ave	Albany	NY	12205	NYSBE				
Level 3 Communications, LLC	1025 Eldorado Blvd	Broomfield	CO	80021	FSBE				
Levitan & Associates, Inc.	20 Custom House Street	Boston	MA	02110	FSBE				
LexisNexis	1275 Broadway	Albany	NY	12204	NYSBE				
Liberty Utilities St Lawrence Gas Corp.	33 Stearns St.	Massena	NY	13662	NYSBE				
Lincoln Life & Annuity Company of NY	P.O. Box 7247-0347	Philadelphia	PA	19170-0347	FSBE				
LinkedIn	2029 Stierlin Ct	Mountain View	CA	94043	FSBE				
LoanStreet Inc.	29 West 30th Street	New York	NY	10024	NYSBE				
Loeb & Loeb LLP	10100 Santa Monica Blvd.	Los Angeles	CA	90067	FSBE				
Long Island High Technology Incubator	25 Health Sciences Drive	Stony Brook	NY	11790	NYSBE				
Low-Level Radioactive Waste Forum, Inc.	1619 12th Street	Washington	DC	20009	FSBE				
Luminate, LLC	1801 Broadway, Ste 1620	Denver	CO	80202	FSBE				
Lumsden & McCormick, LLP	369 Franklin St	Buffalo	NY	14202	NYSBE				
M. Zion Security Systems Corp	1 World Trade Center	New York	NY	10007	NYSBE				
M.J. Beck Consulting LLC	111 Rockingham Rd	Cherry Hill	NJ	08034	FSBE				
Maguire Cars LLC	dba Maguire Kia	Ithaca	NY	14850	NYSBE				
Main Street Farms LLC	116 N West Street	Homer	NY	13077	NYSBE				
Marshall & Sterling, Inc.	125 High Rock Ave., Ste 206	Saratoga Springs	NY	12866	NYSBE				
Mason Tillman Associates, LTD	1999 Harrison Street	Oakland	CA	94612	FSBE		X		
Maureen Data Systems, Inc.	500 West 43rd Street, Apt. 33C	New York	NY	10036	NYSBE	X			
Max Wei	508 Ramona Avenue	Albany	CA	94706	FSBE				
McMahon and Mann Consulting Engineers	2495 Main St, Ste 432	Buffalo	NY	14214-2103	NYSBE				

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MDRC	200 Vesey Street, 23rd Floor	New York	NY	10281	NYSBE				
Meister Consultants Group, Inc.	One Center Plaza, Ste 320	Boston	MA	02108	FSBE				
Michael Lightman	311 Hartwell Rd	Buffalo	NY	14216	NYSBE				
Michaels Energy, Inc.	400 Main Street, Suite 200	La Crosse	WI	54601	FSBE				
Milliman, Inc.	250 Washington Ave. Ext.	Albany	NY	12203-5401	NYSBE				
Mintz, Levin, Cohn, Ferris, Glovsky and	One Financial Center	Boston	MA	02111	FSBE				
Mintzer Mauch PLLC	290 Madison Avenue	New York	NY	10017	NYSBE	X			
MJW Technical Services, Inc.	15 Hazelwood Dr.	Amherst	NY	14228	NYSBE				
Moelis & Company Group LP	399 Park Avenue, 5th Floor	New York	NY	10022	NYSBE				
MVP Consulting Plus, Inc.	435 New Karner Road	Albany	NY	12205	NYSBE	X	X		
NASEO	1300 17th Street, North	Arlington	VA	22209	FSBE				
National Home Performance Council	1187 Thorn Run Rd. Ext	Moon Township	PA	15108	FSBE				
National Renewable Energy Laboratory	15013 Denver West Parkway	Golden	CO	80401-3305	FSBE				
NECEC Institute	250 Summer St., 5th Floor	Boston	MA	02210	FSBE				
NESCAUM	89 South Street	Boston	MA	02111	FSBE				
NESEA	50 Miles Street	Greenfield	MA	01301	FSBE				
Network Experts of New York, Inc.	407 Vesper Court	Slingerlands	NY	12159	NYSBE	X	X		
New Buildings Institute, Inc.	623 SW Oak Street	Portland	OR	97205	FSBE				
New York Geothermal Energy Organization	7523 County House Road	Auburn	NY	13021	NYSBE				
New York State Ag & Markets	10B Airline Drive	Albany	NY	12235	NYSBE				
New York State Forum for IRM	24 Aviation Rd., Suite 206	Albany	NY	12205	NYSBE				
Newport Ventures, Inc.	22 Jay St	Schenectady	NY	12305-1917	NYSBE				
Nexant, Inc.	49 Stevenson Street	San Francisco	CA	94105-2954	FSBE				
nrastructure	5 Enterprise Avenue	Clifton Park	NY	12065	NYSBE				
NGenious Solutions Inc.	30 Knightsbridge Road	Piscataway	NJ	08854	FSBE		X		
Nixon Peabody LLP	1300 Clinton Square	Rochester	NY	14604	NYSBE				
NMR Group, Inc.	50-2 Howard Street	Somerville	MA	02144	FSBE				
Noresco LLC	510 Thornall St., Ste 170	Edison	NJ	08837	FSBE				
Northco Products, Inc.	1612 NY Route 7	Troy	NY	12180	NYSBE				
Northeast Energy Efficiency Partnerships	81 Hartwell Ave., Ste 220	Lexington	MA	02421-3137	FSBE				
Norton Rose Fulbright US LLP	1301 McKinney, Suite 5100	Houston	TX	77010	FSBE				

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NortonLifeLock Inc	60 E. Rio Salado Pkwy	Tempe	AZ	85281	FSBE				
Nukelaw LLC	66 Franklin St. Unit 502	Annapolis	MD	21401	FSBE				
NYC Climate Action Alliance Inc.	560 Lexington Ave	New York	NY	10022	NYSBE				
NYS Office for Technology	1 S Swan St Fl 3rd	Albany	NY	12210-2416	NYSBE				
NYS Office of General Services	1220 Washington Ave	Albany	NY	12226	NYSBE				
	P.O. Box 2117	Albany	NY	12220-0117	NYSBE				
NYS Office of Information Technology Ser	State Capital ESP	Albany	NY	12220-0062	NYSBE				
O'Brien & Gere Engineers, Inc.	333 W. Washington Street	Syracuse	NY	13202	NYSBE				
Offshore Electric Corp.	200 Atlantic Ave	Oceanside	NY	11572	NYSBE				
Omnicap Group, LLC	2286 E Maple Avenue	El Segundo	CA	90245	FSBE				
Opinion Dynamics Corporation	1000 Winter St	Waltham	MA	02451	FSBE				
Oracle America, Inc.	PO Box 203448	Dallas	TX	75320-3448	FSBE				
Orrick Herrington & Sutcliffe LLP	51 West 52nd Street	New York	NY	10019	NYSBE				
Ove Arup & Partners Consulting Engineers	155 Avenue of the Americas	New York	NY	10013-1507	NYSBE				
Owahgena Consulting, Inc.	1883 Ballina Road	Cazenovia	NY	13035	NYSBE				
OwnBackup Inc.	940 Sylvan Ave FL 1	Englewood Cliffs	NJ	07632	FSBE				
PA Consulting Group	55 Cambridge Parkway	Cambridge	MA	02142	FSBE				
Pace University	Attn: Loretta Musial	White Plains	NY	10603	NYSBE				
Passive House Institute US	53 W. Jackson Blvd,	Chicago	IL	60604	FSBE				
Paul A. Bradbury	Club Craft Custom Products	Syracuse	NY	13215	NYSBE				
Pecan Street Inc.	3924 Berkman Dr.	Austin	TX	78723	FSBE				
Penn Power Group LLC	DBA Northeast Energy Systems	New York	NY	10017	NYSBE				
Performance Systems Development	of New York, LLC	Ithaca	NY	14850	NYSBE				
Peter L. Krog	4 Centre Drive	Orchard Park	NY	14127	NYSBE				
PGR Group LLC	36 Plymouth Drive South	Glen Head	NY	11545	NYSBE				
Phire, Inc	8370 Greensboro Dr.	McLean	VA	22102	FSBE				
Pictometry International Corp.	P.O.Box 735288	Dallas	TX	75373-5288	FSBE				
Pivotal 180, LLC	405 Lexington Avenue	New York	NY	10174	NYSBE				
PLB Oil & Gas Consult LLC	2 Pinecrest Road	Riverside	CT	06878	FSBE				
Plugged In Strategies	9492 Olympia Drive	Eden Prairie	MN	55347	FSBE				
Politico LLC	P.O. Box 419342	Boston	MA	02241-9342	FSBE				

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Contractor	SupplierAddress	SupplierCity	SupplierState	SupplierZipCode	Business Type	WBE	MBE	SDVOB	SBE
Power Advisory LLC	212 Thoreau Street	Concord	MA	01742	FSBE				
Praveen Amar	119 Simonds Road	Lexington	MA	02420	FSBE				
Pricewaterhouse Coopers, LLC	PO Box 7247-8001	Philadelphia	PA	19170-8001	FSBE				
Proenergy Consulting LLC	245 West 99th Street	New York	NY	10025	NYSBE				
Promantek Inc.	d/b/a TrakStar	Seattle	WA	98122	FSBE				
Protek Information Technology Services	492 Mitchell Drive	Valley Cottage	NY	10989	NYSBE	X			
Provantage, LLC	7576 Freedom Ave. NW	North Canton	OH	44720	FSBE				
Pterra, LLC	4 Automation Lane	Albany	NY	12205	NYSBE				
Quanta Technology LLC	4020 Westchase Blvd, Ste 300	Raleigh	NC	27607	FSBE				
R.W. Beck Group, Inc.	Leidos Engineering, LLC	Reston	VA	20190	FSBE				
Raj Technologies Inc.	110 Terminal Dr.	Plainview	NY	11803	NYSBE		X		
Randstad North America Inc	PO Box 2084	Carol Stream	IL	60132-2084	FSBE				
Randstad North America, Inc.	PO Box 2084	Carol Stream	IL	60132-2084	FSBE	X			
RD & Associates Consulting LLC	16 Coventry Drive	Clifton Park	NY	12065	NYSBE				
Reed Midem SAS	27 Quai Alphonse Le Gallo	Boulogne-Billancourt	92	92100	FSBE				
Regional Economic Models, Inc	433 West St	Amherst	MA	01002	FSBE				
Rensselaer Polytechnic Institute	Research Adm & Finance, 4th Fl West Hall	Troy	NY	12180-3522	NYSBE				
Rensselaer Polytechnic Institute-LRC	110 8th Street	Troy	NY	12180	NYSBE				
Reos US Inc.	1 Broadway	Cambridge	MA	02142	FSBE				
Research Foundation of SUNY	P.O. Box 9	Albany	NY	12201	NYSBE				
	SUNY, Stony Brook	Stony Brook	NY	11794-0002	NYSBE				
Research Foundation of The City	University of New York	New York	NY	10036-7207	NYSBE				
Resource Innovation Institute	P.O. Box 5981	Portland	OR	97228	FSBE				
Resource Refocus LLC	2120 University Ave.	Berkeley	CA	94704	FSBE				
Resource Systems Group, Inc.	55 Railroad Row	White River Junction	VT	05001	FSBE				
Resources for the Future Inc	1616 P Street, NW	Washington	DC	20036-1400	FSBE				
RFP Enterprises LLC	70 Greene St.	Jersey City	NJ	07302	FSBE				
Richard E. Gibbs, Ph.D., P.E.	287 Hidley Rd	Wynantskill	NY	12198-8068	NYSBE				
Ricoh USA Inc	300 Eagleview Boulevard Suite 200	Exton	PA	19341	FSBE				
River Architects, PLLC	178 Main Street	Cold Spring	NY	10516	NYSBE	X	X		
Robert K. Harmon & Company LLC	PO Box 2777	Vashon	WA	98070	FSBE				

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Contractor	SupplierAddress	SupplierCity	SupplierState	SupplierZipCode	Business Type	WBE	MBE	SDVOB	SBE
Robison Energy LLC	One Gateway Plaza	Port Chester	NY	10573	NYSBE				
Rochester Computer Recycling & Recovery,	7318 Victor Mendon Road	Victor	NY	14564	NYSBE				
Rochester Institute of Technology	74 Lomb Memorial Dr	Rochester	NY	14623	NYSBE				
Rocky Mountain Institute	2490 Junction Place, Suite 200	Boulder	CO	80301	FSBE				
Rosenblum Property Services, LLC	PO Box 38070	Albany	NY	12203	NYSBE				
RTH Realty Holdings LLC	320 Roebling Street	Brooklyn	NY	11211	NYSBE				
Ruth Horton	93 Ash Street	Saratoga Springs	NY	12866	NYSBE				
SBW Consulting	2820 Northup Way , Suite 230	Bellevue	WA	98004	FSBE				
SHI, Inc.	P.O. Box 952121	Dallas	TX	75395	FSBE				
Siemens Industry, Inc.	85 Northpointe Parkway	Buffalo	NY	14228	NYSBE				
Singlebrook Technology Inc.	700 Cascadilla Street	Ithaca	NY	14850	NYSBE	X			
Site Capture LLC	7001 Shoal Creek	Austin	TX	78757	FSBE				
Sitecore USA, Inc.	101 California St.	San Francisco	CA	94111	FSBE				
Siteimprove, Inc.	7807 Creekridge Circle	Minneapolis	MN	55439	FSBE				
Sive Paget & Riesel PC	560 Lexington Ave., Floor 15	New York	NY	10022-1994	NYSBE				
SkyFront Corporation	3501 Edison Way	Menlo Park	CA	94025	FSBE				
Social Finance Inc.	2 Atlantic Avenue, 5th Floor	Boston	MA	02110	FSBE				
Southworth-Milton Inc.	d/b/a Milton Cat	Syracuse	NY	13210	NYSBE				
Spectrotel Holding Company LLC	3535 State Hwy 66 Bldg 7	Neptune	NJ	07753	FSBE				
Stance Renewable Risk Partners LLC	22 Mariposa Avenue	San Anselmo	CA	94960	FSBE				
Stantec Consulting Services, Inc.	13980 Collections Center Drive	Chicago	IL	60693	FSBE				
Steven Winter Associates, Inc.	61 Washington St	Norwalk	CT	06854	FSBE				
Stichting Energiesprong		Amsterdam		1093 NK	FSBE				
Stone Environmental, Inc.	535 Stone Cutters Way	Montpelier	VT	05602	FSBE				
Sunset Green Home LLC	112 E 74th St., #2N	New York	NY	10021	NYSBE	X			
SUNY - ESF	The Research Foundation - SUNY	Albany	NY	12201-0009	NYSBE				
Sustainable CUNY CUNY/RF	205 E. 42nd Street, 11th Fl	New York	NY	10017	NYSBE				
Sustainable Endowment Institute	50 Milk Street, 15th Floor	Boston	MA	02109	FSBE				
Sustainable Energy Advantage, LLC	161 Worcester Rd., Ste 503	Framingham	MA	01701	FSBE				
Sycamore Advisors, LLC	612 East 13th Street	Indianapolis	IN	46202	FSBE	X			
Systems Management Planning, Inc.	1020 John St	West Henrietta	NY	14586	NYSBE				

Annual Report: Section 1 - Contractor Addresses - 4/1/2021 to 3/31/2022

Contractor	SupplierAddress	SupplierCity	SupplierState	SupplierZipCode	Business Type	WBE	MBE	SDVOB	SBE
T-REX Group, inc.	44 Wall St	New York	NY	10005	NYSBE				
Taitem Engineering, P.C.	110 South Albany Street	Ithaca	NY	14850	NYSBE				
Taylor Group LTD	d/b/a Apogee Exhibits	Macedon	NY	14502	NYSBE				
Tech Valley Talent, LLC	20 Prospect St. Suite 200, Building 1	Ballston Spa	NY	12020	NYSBE	X			
Technology Professionals Group Inc.	D/B/A Cloud and Things	Loudonville	NY	12211	NYSBE	X	X		
Techsign LTD	1225 Franklin Ave., STE 325	Garden City	NY	11530	NYSBE				
TEKsystems Inc	15 British American Boulevard	Latham	NY	12110	NYSBE				
Terri Hartwell Easter Consulting LLC	1875 K Street NW	Washington	DC	20006	FSBE				
Tetra Tech MA, Inc.	6410 Enterprise Ln	Madison	WI	53719	FSBE				
Tetra Tech, Inc.	6410 Enterprise Lane	Madison	WI	53719	FSBE				
The Architectural League of New York	594 Broadway, Suite 607	New York	NY	10012	NYSBE				
The Business Council of NYS, Inc.	12 Corporate Woods Blvd, Suite 17	Albany	NY	12211	NYSBE				
The Cadmus Group, LLC	100 5th Ave., Ste 100	Waltham	MA	02451	FSBE				
The Coalition for Green Capital	1875 Connecticut Ave., NW, 10th Floor	Washington	DC	20009	FSBE				
The Common Pool, LLC	d/b/a Carrot	Santa Monica	CA	90402	FSBE				
The Garrick Co., LLC	221 Cresent Bay Drive	Laguna Beach	CA	92651	FSBE				
The Lightman Company, LLC	P.O. Box 744	Buffalo	NY	14207	NYSBE				
The Logue Group	33 Holbrook Road	West Hartford	CT	06107	FSBE				
The Nature Conservancy	195 New Kerner Road	Albany	NY	12205	NYSBE				
The News Funnel, LLC	dba CREtech	Far Hills	NJ	07931	FSBE				
The Real Estate Board of New York, Inc.	570 Lexington Ave., 2nd Fl	New York	NY	10022-6837	NYSBE				
The Research Foundation for the State	SUNY-ESF, ESF Open Academy	Syracuse	NY	13210	NYSBE				
	University of New York	Albany	NY	12201-0009	NYSBE				
The Trustees of Columbia University	1210 Amsterdam Ave	New York	NY	10027-7003	NYSBE				
Thornton Tomasetti, Inc.	51 Madison Avenue	New York	NY	10010	NYSBE				
Throughline Group, LLC	1889 Palmer Avenue	Larchmont	NY	10538	NYSBE				
ThunderCat Technology LLC	1925 Isaac Newton Square	Reston	VA	20190	FSBE			X	
Towerstream 1 Incorporated	76 Hammarlund Way # 130	Middletown	RI	02842	FSBE				
TPR Enterprises LLC	300 E Locust St. Suite 313	Des Moines	IA	50309	FSBE				
TRC Energy Services	21 Griffin Rd North	Windsor	CT	06095	FSBE				
Troy Web Consulting, LLC	21 Westover Rd.	Troy	NY	12180	NYSBE				

Annual Report: Section 1 - Contractor Addresses - 4/1/2021 to 3/31/2022

Contractor	SupplierAddress	SupplierCity	SupplierState	SupplierZipCode	Business Type	WBE	MBE	SDVOB	SBE
Trustees of University of PA	3451 Wanut Street	Philadelphia	PA	19104-6284	FSBE				
TS Media Consulting, LLC	209 Featherwood Court	Schenectady	NY	12303	NYSBE				
Tully Rinckey PLLC	441 New Karner Road	Albany	NY	12205	NYSBE			X	
TVC Albany Inc.	FirstLight Fiber	Williston	VT	05495-1301	FSBE				
U.S. Nuclear Regulatory Commission	P.O. Box 979051	Saint Louis	MO	63197-9000	FSBE				
Unique Comp Inc.	2708 42nd Road	Long Island City	NY	11101	NYSBE	X	X		
Unique Electric Solutions of NYS LLC	34 E Main St. STE 313	Smithtown	NY	11787	NYSBE				
United Solar Energy Supporters, Inc.	324 Lake Ave	Saratoga Springs	NY	12866	NYSBE				
United Way of Long Island	819 Grand Boulevard	Deer Park	NY	11729	NYSBE				
University at Albany	1400 Washington Ave	Albany	NY	12222-1000	NYSBE				
University of Rochester	515 Hylan Building	Rochester	NY	14627	NYSBE				
Uplight, Inc.	2580 55th Street	Boulder	CO	80301	FSBE				
Upstate Capital Association of New York	180 South St.	Highland	NY	12528	NYSBE				
Upstate Venture Connect	235 Harrison Street	Syracuse	NY	13202	NYSBE				
USGS National Center MS270	PO Box 71362	Philadelphia	PA	19176	FSBE				
Verizon Wireless	PO Box 408	Newark	NJ	07101-0489	FSBE				
Vermont Energy Investment Corporation	20 Winooski Falls Way	Winooski	VT	05404	FSBE				
Vervent Inc.	10182 Telesis Court	San Diego	CA	92121	FSBE				
VHB Engineering, Surveying and	Landscape Architecture, P.C.	Albany	NY	12203	NYSBE				
W & E Phillips Locksmith, Inc	P.O. Box 6310	Albany	NY	12206-0310	NYSBE				
Wadsworth Energy LLC	16378 Viansa Way, Unit 302	Naples	FL	34110	FSBE				
Walter Snyder Printer, Inc.	691 River St	Troy	NY	12180-1504	NYSBE				
Watershed Assessment Associates, LLC	1861 Chrisler Ave.	Schenectady	NY	12303	NYSBE				
Watertown, City of	245 Washington St., Ste 203	Watertown	NY	13601-3334	NYSBE				
Wendel Energy Services, LLC	Centerpointe Corporate Park	Williamsville	NY	14221	NYSBE				
Wendel WD Architecture, Engineering,	375 Essjay Rd., Ste 200	Williamsville	NY	14221	NYSBE				
West Hill Energy & Computing, Inc.	205 Main Street, Suite 14	Brattleboro	VT	05301	FSBE				
West Publishing Corporation	DBA Thomas Reuters	Eagan	MN	55123	FSBE				
Willdan Energy Solutions	Wall Street Plaza	New York	NY	10005	NYSBE				
Windels Marx Lane & Mittendorf, LLP	156 West 56th Street, 22nd Floor	New York	NY	10019	NYSBE				
Wood Mackenzie Inc	5847 San Felipe, Suite 1000	Houston	TX	77057	FSBE				

Annual Report: Section 1 - Contractor Addresses - 4/1/2021 to 3/31/2022

Contractor	SupplierAddress	SupplierCity	SupplierState	SupplierZipCode	Business Type	WBE	MBE	SDVOB	SBE
Wood Mackenzie Power & Renewables, Inc.	545 Washington Blvd	Jersey City	NJ	07310	FSBE				
Worley Group, Inc.	181 West Huntington Dr	Monrovia	CA	91016	FSBE				
WSP USA Corp.	One Penn Plaza	New York	NY	10119	NYSBE				
Xerox Corp	800 Phillips Rd	Webster	NY	14580	NYSBE				
Zones LLC	1102 15th St. SW. STE 102	Auburn	WA	98001	FSBE				

Annual Report - Section 2: Non-Contract Vendor Payments

Date	Vendor ID	Contractor	Account Description	Business Type	Amt Paid this Period
4/1/2021	0000025207	National Grid	Utilities	FSBE	\$112,131
	0000034134	NYSEG	Program Implementation	NYSBE	\$5,905
	0000034218	Long Island Power Authority	Program Implementation	NYSBE	\$244,005
	0000034305	Verizon	Telecommunications	NYSBE	\$5,664
	0000034358	United States Postal Service	Postage and Delivery	FSBE	\$5,000
	0000034360	Verizon Wireless	Telecommunications	FSBE	\$73,108
	0000034437	Frontier	Telecommunications	FSBE	\$5,595
	0000034789	Consolidated Edison Company	Program Implementation	NYSBE	\$27,601
	0000035097	Staples, Inc.	Telecommunications	FSBE	\$5,488
	0000035153	NYS Office of General Services	Utilities	NYSBE	\$20,720
	0000035169	Wisconsin Energy Conservation Corp	Program Implementation	FSBE	\$261,776
	0000036467	Energy Management Solutions, LLC	Market Research	NYSBE	\$12,800
	0000037134	Saratoga County Sewer District	Utilities	NYSBE	\$11,460
	0000037155	Niagara Mohawk Power Corporation	Program Implementation	NYSBE	\$6,477
	0000037771	New York Energy Consumers Council, Inc.	Program Implementation	NYSBE	\$5,000
	0000039473	LCO Buildings LLC	Rent (Real Estate)	NYSBE	\$70,158
	0000042662	New York Independent Systems Operator	Program Implementation	NYSBE	\$10,100
	0000051246	Healthy Home Energy & Consulting, Inc.	Market Research	NYSBE	\$12,000
	0000051268	Energy Savers Inc	Market Research	NYSBE	\$11,800
	0000051381	Green Home Logic, Inc.	Market Research	NYSBE	\$5,000
	0000055896	Malcarne Contracting, Inc.	Program Marketing	NYSBE	\$5,700
	0000058316	Intrado Enterprise Colloration Inc	Telecommunications	FSBE	\$42,321

Annual Report - Section 2: Non-Contract Vendor Payments

Date	Vendor ID	Contractor	Account Description	Business Type	Amt Paid this Period
4/1/2021	0000061519	Concord Servicing Corporation	Program Implementation	FSBE	\$1,567,994
	0000067759	Metro NY Insulation LLC	Market Research	NYSBE	\$18,200
	0000074259	Advantage Title Agency, Inc.	Program Implementation	NYSBE	\$1,189,379
	0000078131	Empire State Realty OP, LP	Utilities	NYSBE	\$289,648
	0000078633	Alternative Carbon Energy Systems Inc	Program Implementation	NYSBE	\$5,935
	0000079532	Columbia Circle Owner, LLC	Utilities	FSBE	\$212,436
	0000080843	Enterprise Training Solutions, Inc.	Publications	NYSBE	\$8,450
	0000080854	Sealed Inc.	Market Research	NYSBE	\$16,200
	0000082172	LF Distribution Holding Inc.	Utilities	FSBE	\$1,000,883
	0000084350	Country Suburban Heating & Air Condition	Program Marketing	NYSBE	\$8,100
	0000088313	Slipstream Group, Inc.	Program Implementation	FSBE	\$1,118,083
	0000089380	Empire State Realty OP, L.P.	Utilities	NYSBE	\$607,790
	0000090356	Gregg Williams, Receiver for Columbia Ci	Utilities	NYSBE	\$313,264
Grand Total					\$7,316,169

Annual Report- Section 2: Contractor Addresses

Contractor	Supplier Address	Supplier City	Supplier State	Supplier Zip Code
22nd Century Technologies Inc.	220 Davidson Ave. Ste 118	Somerset	NJ	08873
455 Hospitality LLC	d/b/a Sleepy Hollow Hotel + Conference Ctr	Tarrytown	NY	10591
74&WEST LLC	200 East 66th Street	New York	NY	10065
7group LLC	600 Grings Hill Road	Sinking Spring	PA	19608
ABH Capital Management LLC	ServerMonkey.com	Houston	TX	77040
Abt Associates Inc.	6130 Executive Boulevard	Rockville	MD	20852
ACEEE	529 14th St. NW Suite 600	Washington	DC	20045
Action Research Inc.	3630 Ocean Ranch Blvd.	Oceanside	CA	92056
Activate Global Inc	2600 Tenth St.	Berkeley	CA	94704
Adam Hinge	d/b/a Sustainable Energy Partnerships	Tarrytown	NY	10591
Adewale Aremu Adesanya	Havenergy Consulting Inc.	Guilderland	NY	12084-9998
Adirondack Area Network	10 Empire State Blvd	Castleton	NY	12033-9751
Adirondack Center for Loon	Conservation Inc.	Ray Brook	NY	12977
ADM Associates Inc.	3239 Ramos Circle	Sacramento	CA	95827
ADP Inc.	PO Box 842875	Boston	MA	02284-2875

Advanced Energy Group L.L.C.	New York Advanced Energy	Bryn Mawr	PA	19010
Advent Software Luxembourg S A R L	d/b/a SS&C Financial Services LLC	Windsor	CT	06095
Adviser Compliance Associates LLC	1370 Braodway	New York	NY	10018
AECOM Technical Services Inc.	515 South Flower Street 3rd Floor	Los Angeles	CA	90071
Akimeka LLC	901 No. Lake Destiny Drive	Maitland	FL	32751
AlienVault Inc.	1875 S. Grant Street Suite #200	San Mateo	CA	94402
Allard Communications	13 Huckleberry Drive	Castleton	NY	12033
Allegis Group Holdings Inc	7301 Parkway Drive	Hanover	MD	21076
Alliance for Sustainable Energy LLC	15013 Denver West Parkway	Golden	CO	80401
Alliance to Save Energy	3570 Guilderland Avenue	Rotterdam	NY	12306
Alliant Insurance Services Inc.	2002 Richard Jones Road	Nashville	TN	37215
Allison van Hee	66 Rockwell Place	Brooklyn	NY	11217
Amazon Capital Servies Inc.	410 Terry Avenue North	Seattle	WA	98109
Amerex Brokers LLC	One Sugar Creek Center Blvd. #700	Sugar Land	TX	77478
American Council for an Energy Efficient	529 14th Street NW Suite 600	Washington	DC	20045
American Lung Association	55 W. Wacker Drive Suite 1150	Chicago	IL	60601
American Society of Adaptation Professio	P.O. Box 980329	Ypsilanti	MI	48198
American Society of Heating Refrigeratin	1791 Tullie Circle N.E.	Atlanta	GA	30329-2305

American Solar Grazing Association Inc.	863 Hayts Rd.	Ithaca	NY	14850
AmTrust North America Inc.	PO Box 94557	Cleveland	OH	44101-4557
Andrew Seiden	MTWABP LLC	Brooklyn	NY	11201
AOGC Consulting LLC	152 W 76th Street	New York	NY	10023
Aon Risk Consultants Inc.	200 E. Randolph Street	Chicago	IL	60601
APPEXTREMES LLC	PO BOX 7839	Broomfield	CO	80021
Applied Design Initiative LLC	247 Wsr 35th Street	New York	NY	10001
Apprise Incorporated	32 Nassau Street Suite 200	Princeton	NJ	08542
Arcadis of New York Inc.	6723 Towpath Rd	Syracuse	NY	13214
Arcadis U.S. Inc.	PO Box 66	Syracuse	NY	13214-0066
Arch Street Communications Inc.	31 Mamaroneck Ave. Ste 400	White Plains	NY	10601
Architectural Flooring Resource Inc.	135 W 27th Street	New York	NY	10001
Arctic Air Mechanical Corp	13-47 209th St	Bayside	NY	11360
Argus Media Inc.	500 Fifth Ave. Ste 2410	New York	NY	10110
Arnold & Porter Kaye Scholer LLP	P.O. Box 759451	Baltimore	MD	21275-9451
ASANA Inc.	633 Folsom Street Suite 100	San Francisco	CA	94107
Asthma and Allergy Foundation of America	1235 South Clark Street	Arlington	VA	22202
Atlantic Data Security LLC	23 Shoddy Mill Road	Bolton	CT	06043

Axis Geospatial	28640 Mary's Court	Easton	MD	21601
Bank of New York	101 Barclay St	New York	NY	10286
Banyan Infrastructure Corporation	301 Howard St Unit 830	San Francisco	CA	94105
Battelle Memorial Institute	902 Battelle Blvd	Richland	WA	99352
BDO USA LLP	PO Box 642743	Pittsburgh	PA	15264-2743
Benchmark Printing Inc.	1890 Maxon Rd Ext	Schenectady	NY	12308-1140
Bethany Meys	dba MB Consulting	Gansevoort	NY	12831
BioDiversity Research Institute	276 Canco Rd Lowr	Portland	ME	04103-4347
Bishop House Consulting Inc.	PO Box 489	Burnt Hills	NY	12027
Bizodo Inc	30 Vandam St. Fl2	New York	NY	10013
BLIX Consultancy BV		Utrecht	344	3551 EJ
Bloomberg Finance LP	731 Lexington Avenue	New York	NY	10022
Boice Dunham Group Inc	14 W 17th St 7S	New York	NY	10011
Bond Schoeneck & King PLLC	22 Corporate Woods Blvd. Ste 501	Albany	NY	12211-2503
Booz Allen Hamilton Inc.	8283 Greensboro Dr	McLean	VA	22102
BPCA NYS Inc.	15516 99th St	Howard Beach	NY	11414
Brattle Group Inc.	One Beacon St. Ste 2600	Boston	MA	02108
Brenda Sayers	8870 Route 240	West Valley	NY	14171-0111

Brooklynness Inc.	Beyond	New York	NY	10013
Buckeye Terminals LLC	One Greenway Plaza	Houston	TX	77046
Buffalo Renewables Inc.	3840 E Robinson Road	Amherst	NY	14228
Building Media Inc.	12932 SE Kent Kangley Rd Ste 529	Kent	WA	98030
Building Performance Institute Inc.	107 Hermes Rd Ste 200	Ballston Spa	NY	12020-4481
Business Network for Maryland Offshore W	22 Pennsylvania Avenue	Towson	MD	21204
BVG Associates LLC	28411 Northwestern HWY Suite 800	Southfield	MI	48034
BW Research Partnership	6120 Paseo Del Norte Suite D2	Carlsbad	CA	92011
Bynder LLC	24 Farnsworth St. Ste 400	Boston	MA	02210
C.J. Brown Energy P.C.	4245 Union Rd. Ste 204	Cheektowaga	NY	14225
Capital District Records Management Inc	PO Box 4044	Clifton Park	NY	12065
Capital for Communities LLC	524 St. John's Place	Brooklyn	NY	11238
Carahsoft Technology Corporation	11493 Sunset Hills Road	Reston	VA	20190
Carbon Trust Advisory Limited	4th Floor Dorset House 27-45 Stamford St.	London		SE1 9NT
Carnegie Fabrics LLC	110 North Centre Avenue	Rockville Centre	NY	11570
Caroline Hazard	19 W 21st Street Suite 604	New York	NY	10010
Caroprese & Company	151 Forest Street Unit B	Montclair	NJ	07042
Carter Ledyard & Milburn LLP	2 Wall Street	New York	NY	10005

CDATA SOFTWARE INC.	101 Europa Dr. Suite 110	Chapel Hill	NC	27517
CDP North America Inc	127 W 26th St	New York	NY	10001
CEC Stuyvesant Cove Inc.	9-03 44th Road	Long Island City	NY	11101
Center for Renewables Integration	PO Box 523593	Springfield	VA	22152
Center for Sustainable Energy	3980 Sherman St. Ste 170	San Diego	CA	92110
CHA Consulting Inc.	3 Winners Circle	Albany	NY	12205
Charter Communications Holdings LLC	12405 Powerscourt Dr	St. Louis	MO	63131-3674
Chenango Contracting Inc.	29 Arbutus Road	Johnson City	NY	13790
Cheryl Earley	14 Debbie Court	Albany	NY	12205
Christopher Alan Hunter	215 W 10th St Apt 1E	New York	NY	10014
Citadel SPV LLC	85 Broad Street 18th Fl	New York	NY	10004
Clarus Glassboards LLC	7537 Jack Newell Blvd N	Fort Worth	TX	76118
CLEAResult Consulting Inc.	4301 Westbank Dr. A-150	Austin	TX	78746
Climate Policy Initiative	235 Montgomery Street #13	San Francisco	CA	94104
Coastal States Stewardship Foundation	50 F Street NW Suite 570	Washington	DC	20001
Cody R. Koch	Timber Trails Forest Farm	Canandaigua	NY	14424
COGENT Infotech Corporation	1035 Boyce Road Suite 108	Pittsburgh	PA	15241
Coleman Wallace Communications LLC	8 Pines Court	Albany	NY	12203

Columbia University	500 W 120th St	New York	NY	10027-6623
Commercial Cleaning NY Sunshine Inc.	1385 Broadway	New York	NY	10018
Commercial Investigations LLC	622 Loudon Rd. Ste 201	Latham	NY	12110
Community Preservation Corp.	28 E 28th St Fl 9th	New York	NY	10016-7930
Complete Cabling Solutions LLC	PO Box 594	Fair Lawn	NJ	07410
Computer SOS Inc.	1505 Cleveland Drive	Cheektowaga	NY	14225
Concur Technologies Inc.	601 108th Ave. NE Ste 1000	Bellevue	WA	98004-4750
Consensus Building Institute Inc.	100 Cambridgepark Drive	Cambridge	MA	02140
Consortium for Energy Efficiency Inc.	98 North Washington Street	Boston	MA	02114-1918
Consumerbase LLC	33 N. Dearborn Street	Chicago	IL	60602
Control Solutions Group Inc.	122 West 27th St. 5th Floor	New York	NY	10001
Corelogic Inc.	Corelogic Solutions LLC	Irvine	CA	92618
Cornell University	373 Pine Tree Rd. Rm 130V	Ithaca	NY	14850
Cornell University	341 Pine Tree Road	Ithaca	NY	14850
Cornell University-Office of Sponsored P	216 Riley-Robb Hall	Ithaca	NY	14853
CoStar Realty Information Inc.	PO Box 791123	Baltimore	MD	21279-1123
Couch White LLP	540 Broadway PO Box 22222	Albany	NY	12201
Crisafulli Bros Plumbing Heating Contr	25 Industrial Park Road	Albany	NY	12206

Crown Castle Fiber LLC	PO Box 32102	New York	NY	10087-2102
Culver Company LLC	104 Bridge Rd	Salisbury	MA	01952
CVENT Inc.	1765 Greensboro Station Pl	Tysons Corner	VA	22102
D & R International Ltd	1300 Spring St Ste 500	Silver Spring	MD	20910
D.K. & S Enterprises Inc	871 Main St	Clifton Park	NY	12065-1097
D.L. English Consulting Inc.	616 Elm Street	S Dartmouth	MA	02748
Daniel J Jacob	310 Mt. Washington Hotel Rd.	Bretton Woods	NH	03575
Darling Advertising Agency Inc.	181 Christopher Street	New York	NY	10014
Data Nerds Marketing Ltd.	Estated	West Kelowna	BC	V1Z 3M4
Davies Office Refurbishing Inc.	40 Loudonville Rd	Albany	NY	12204
Dawn Dzurilla	d/b/a Gaia Human Capital Consultants	San Francisco	CA	94123
DealCloud Inc.	300 S. Tryon St. Suite 1200	Charlotte	NC	28202
Dell Inc.	1 Dell Way RR8 Box 8716	Round Rock	TX	78682
Deloitte Consulting LLP	1919 N. Lynn Street	Arlington	VA	22209
Delta Dental of New York	One Delta Drive	Mechanicsburg	PA	17055-6999
Diana L. McWilliams Interior Design PLL	875 Spring Avenue	Troy	NY	12180
Dick Kornbluth	661 Fellows Ave.	Syracuse	NY	13210
Direct Packet Inc.	909 Lake Carolyn Parkway Suite 1800	Irving	TX	75039

DNV Energy Insights USA Inc.	1400 Ravello Drive	Katy	TX	77449
DNV GL Energy Services USA Inc.	67 South Bedford St. Ste 201E	Burlington	MA	01803
DNV GL Energy USA Inc.	1400 Ravello Drive	Katy	TX	77449-5164
Dodge Data & Analytics	7625 Collection Center Drive	Chicago	IL	60693-0076
Dori Doors & Security Inc	728 East 136th Street	Bronx	NY	10454
Dowd-Witbeck Printing Corp.	599 Pawling Ave.	Troy	NY	12180-5899
Dr. Richard Schlesinger	PO Box 621	Millwood	NY	10546
DTN LLC	11400 Rupp Drive	Burnsville	MN	55337
Dynamo Energy Hub	1718 Capital Ave	Cheyenne	WY	82001
E Source Companies LLC	1745 38th Street	Boulder	CO	80301
E4TheFuture Inc.	205 Newbury Street	Framingham	MA	01701
Eastern Research Group Inc.	110 Hartwell Ave	Lexington	MA	02421
EC Infosystems Inc.	333 Earle Ovington Boulevard	Uniondale	NY	11553
Ecology & Environment Inc.	368 Pleasant View Dr	Lancaster	NY	14086-1397
Ecology and Environment Engineering	368 Pleasant View Drive	Lancaster	NY	14086
Efficiency Forward Inc.	10 High Street Suite 10	Medford	MA	02155
Egg Geo LLC	2860 Scherer Dr N STE 640	St. Petersburg	FL	33716
Ellen Lutz Consulting LLC	197 Lynnebrook Lake	Philadelphia	PA	19118

Embertec USA LLC	176 Seacliff Drive	APTOS	CA	95003
EME Consulting Engineering Group LLC	550 Seventh Avenue 10th Floor	New York	NY	10018
Empire State Development Corp.	Attn: Babara Payos	New York	NY	10017-6706
Employee Leasing of Greater NY	2137 Router 35 Suite 160	Holmdel	NJ	07733
Enercon Services Inc	500 Town Park Lane	Kennesaw	GA	30144
Energy & Environmental Research	2 Babcock Farms Lane	Pittsford	NY	14534-4713
Energy & Resource Solutions Inc.	120 Water Street Suite 350	North Andover	MA	01845
Energy and Environmental Economics Inc.	2401 E Katella Ave.	Anaheim	CA	92806
Energy Infrastructure Partners LLC	194 32nd Street	Brooklyn	NY	11232
Ensave Inc.	65 Millett Street Suite #105	Richmond	VT	05477
Environment & Energy Publishing LLC	122 C Street NW	Washington	DC	20001
Environmental Defense Fund	257 Park Avenue South	New York	NY	10010
ePlus inc	13595 Dulles Technology Dr	Herndon	VA	20171-3413
Erdman Anthony & Associates Inc.	145 Culver Road Suite 200	Rochester	NY	14620
ESRI Incorporated	380 New York Street	Redlands	CA	92373
Essense Partners Inc.	216 East 45th St. 11th Floor	New York	NY	10017
Evoworld	2800 7th Avenue	Troy	NY	12180
First Colonie Company	660 Albany Shaker Road	Albany	NY	12211

First Columbia Property Services LLC	22 Century Hill Dr Ste 301	Latham	NY	12110-2116
First Quality Maintenance II LLC	318 West 39th Street 7th Floor	New York	NY	10018
Folor Inc	110 West 40th Street	New York	NY	10018
Forsyth Street Advisors LLC	588 Broadway Suite 1208	New York	NY	10012
Fort Orange Press Incorporated	11 Sand Creek Rd # 828	Albany	NY	12205-1442
Fotobabble Inc.	4096 Piedmont Avenue #610	Oakland	CA	94611
Four Points Group Inc.	4451 Brookfield Corp Dr.	Chantilly	VA	20151
Frontier Energy Inc.	2695 Bingley Rd	Cazenovia	NY	13035
Fund for Public Health in New York Inc.	22 Cortlandt Street Suite #802	New York	NY	10007
Fusco Personnel Inc.	4 Executive Park Dr Ste B	Albany	NY	12203-3718
Gartner Inc.	56 Top Gallant Rd	Stamford	CT	06902
GCOM Software LLC	24 Madison Ave Ext	Albany	NY	12203
General Electric International Inc.	One River Road	Schenectady	NY	12345
General Electric International Inc	1 River Rd Bldg 2	Schenectady	NY	12345-6000
GEOMETRICS INC.	2190 FORTUNE DRIVE	SAN JOSE	CA	95131
George Hidy	6 Evergreen Dr.	Placitas	NM	87043
Getty Images (US) Inc.	605 5th Ave. Ste 400	Seattle	WA	98104
GovOS Inc.	PO Box 676237	Dallas	TX	75267-6237

Green Light New York Inc.	31 Chambers St. Ste 609	New York	NY	10007
Greenwood Strategies LLC	65 East 3rd Street	Brooklyn	NY	11218
Grid Strategies LLC	9207 Kirkdale Road	Bethesda	MD	20817
Groundswell Inc.	80 M Street SE	Washington	DC	20003
Guidehouse Inc.	150 N Riverside Plz Ste 2100	Chicago	IL	60606-1528
GZA GeoEnvironmental of New York	300 Pearl St. Ste 700	Buffalo	NY	14202
HALO Branded Solutions Inc.	1500 HALO WAY	Sterling	IL	31081
Harris Beach PLLC	99 Garnsey Road	Pittsford	NY	14534
Harris Wiltshire & Grannis LLP	1919 M Street NW Eighth Floor	Washington	DC	20036
Harrisburg University of Science and Tec	326 Market Street	Harrisburg	PA	17101
Hatch Associates Consultants Inc.	PO Box 200966	Pittsburgh	PA	15251
Hester Street Collaborative Inc.	113 Hester Street	New York	NY	10002
Hodgson Russ LLP	140 Pearl Street Suite 100	Buffalo	NY	14202
Holland & Knight LLP	PO Box 864084	Orlando	FL	32886
Honeywell International Inc.	700 Airways Park Drive	East Syracuse	NY	13057
Honkamp Krueger & Co. PC	2345 John F Kennedy Rd	Dubuque	IA	52002
HPDC Energy LLC	253 West 35th Street	New York	NY	10001
HyperGen Inc	7810 Carvin Street	Roanoke	VA	24019

ICE Data LP	ICE US OTC Commodity Mkts LLC	Atlanta	GA	31193-5278
ICF Incorporated LLC	9300 Lee Highway	Fairfax	VA	22031
IESI NY Corporation	99 Wood Ave. South Ste 1001	Iselin	NJ	08830
IHS Global Inc.	15 Inverness Way East	Englewood	CO	80112
Illume Advising LLC	440 Science Dr. Suite 202	Madison	WI	53711
Impact by Design Inc.	7304 Carroll Ave #196	Takoma Park	MD	20912
Indeed Inc.	177 Broad Street	Stamford	CT	06901
Independent Security Services Inc.	38 Sheridan Ave	Albany	NY	12210
Industrial Economics Incorporated	2067 Massachusetts Avenue	Cambridge	MA	02140
Infogroup Government Division	1001 Fort Crook Rd.	Bellevue	NE	68046
Info-Tech Research Group Inc.	3960 Howard Hughes Parkway Suite 500	Las Vegas	NV	89169
inMotion Inc.	PO Box 744276	Atlanta	GA	30384-4276
Innovative Natural Resource Solutions L	37 Old Pound Road	Antrim	NH	03440
Insight Public Sector Inc.	6820 S. Harl Ave.	Tempe	AZ	85283
Institute for Building Technology and Sa	45207 Research Place	Ashburn	VA	20147
InStream LLC	Biel's Information Technology Systems	West Seneca	NY	14224
Integrative Design Collaborative INC	20 Woodland Street	Arlington	MA	02476
International Business Machines	299-300 Long Meadow Rd.	Sterling Forest	NY	10979-0700

International Code Council Inc.	48 Dublin Drive	Niskayuna	NY	12309
International Energy Program	Evaluation Conference Inc	Madison	WI	53705
Interplay Learning Inc.	1400 W 5th Street	Austin	TX	78703
Interstate Renewable Energy Council Inc	PO BOX 1156	Latham	NY	12110-0079
Intralinks Inc.	PO Box 392134	Pittsburgh	PA	15251
Inventive Intellect LLC	303 East 83rd St	New York	NY	10028
IOvations Inc.	26 Ray Ave.	Burlington	MA	01803
Ithaca College	953 Danby Rd	Ithaca	NY	14850-7002
ITS-NY	14 Loveland Court	Cranbury	NJ	08512
Jared Rodriguez	DBA Emergent Urban Concepts LLC	Sleepy Hollow	NY	10591
Jaros Baum & Bolles	Consulting Engineers LLP	New York	NY	10005-1702
Jasper Van den Munckhof		Obbicht		6125 AT
JFL Consulting LLC	16 Diamond Place	Saratoga Springs	NY	12866
John Hans Lee	DBA Distant Lands	New York	NY	10028
John Siegenthaler	d/b/a Appropriate Designs	Holland Patent	NY	13354
Joseph R Chimera	d/b/a JR & Sons Excavating	Eden	NY	14057
Kanji No Koen Consulting LLC	West 66th Street	New York	NY	10023
Karp Strategies LLC	833 President Street	Brooklyn	NY	11215

Karpman Consulting LLC	78 Eastern Boulevard	Glastonbury	CT	06033
Kastle New York LLC	655 Third Ave	New York	NY	10017
Kearns & West Inc.	1990 K Street Inc	Washington	DC	20006
Kelliher Samets LTD	d/b/a KSV	Burlington	VT	05401
King Freeze Mechanical Corp	127 West 26th Street	New York	NY	10001
KPMG LLP	PO Box 120001	Dallas	TX	75312-0511
L&S Energy Services Inc.	58 Clifton Country Road	Clifton Park	NY	12065
Landmark Flooring Concepts Inc	5 Interstate Ave	Albany	NY	12205
Level 3 Communications LLC	1025 Eldorado Blvd	Broomfield	CO	80021
Levitan & Associates Inc.	20 Custom House Street	Boston	MA	02110
LexisNexis	1275 Broadway	Albany	NY	12204
Liberty Utilities St Lawrence Gas Corp.	33 Stearns St.	Massena	NY	13662
Lincoln Life & Annuity Company of NY	P.O. Box 7247-0347	Philadelphia	PA	19170-0347
LinkedIn	2029 Stierlin Ct	Mountain View	CA	94043
LoanStreet Inc.	29 West 30th Street	New York	NY	10024
Loeb & Loeb LLP	10100 Santa Monica Blvd.	Los Angeles	CA	90067
Long Island High Technology Incubator	25 Health Sciences Drive	Stony Brook	NY	11790
Low-Level Radioactive Waste Forum Inc.	1619 12th Street	Washington	DC	20009

Luminate LLC	1801 Broadway Ste 1620	Denver	CO	80202
Lumsden & McCormick LLP	369 Franklin St	Buffalo	NY	14202
M. Zion Security Systems Corp	1 World Trade Center	New York	NY	10007
M.J. Beck Consulting LLC	111 Rockingham Rd	Cherry Hill	NJ	08034
Maguire Cars LLC	dba Maguire Kia	Ithaca	NY	14850
Main Street Farms LLC	116 N West Street	Homer	NY	13077
Marshall & Sterling Inc.	125 High Rock Ave. Ste 206	Saratoga Springs	NY	12866
Mason Tillman Associates LTD	1999 Harrison Street	Oakland	CA	94612
Maureen Data Systems Inc.	500 West 43rd Street Apt. 33C	New York	NY	10036
Max Wei	508 Ramona Avenue	Albany	CA	94706
McMahon and Mann Consulting Engineers	2495 Main St Ste 432	Buffalo	NY	14214-2103
MDRC	200 Vesey Street 23rd Floor	New York	NY	10281
Meister Consultants Group Inc.	One Center Plaza Ste 320	Boston	MA	02108
Michael Lightman	311 Hartwell Rd	Buffalo	NY	14216
Michaels Energy Inc.	400 Main Street Suite 200	La Crosse	WI	54601
Milliman Inc.	250 Washington Ave. Ext.	Albany	NY	12203-5401
Mintz Levin Cohn Ferris Glovsky and	One Financial Center	Boston	MA	02111
Mintzer Mauch PLLC	290 Madison Avenue	New York	NY	10017

MJW Technical Services Inc.	15 Hazelwood Dr.	Amherst	NY	14228
Moelis & Company Group LP	399 Park Avenue 5th Floor	New York	NY	10022
MVP Consulting Plus Inc.	435 New Karner Road	Albany	NY	12205
NASEO	1300 17th Street North	Arlington	VA	22209
National Home Performance Council	1187 Thorn Run Rd. Ext	Moon Township	PA	15108
National Renewable Energy Laboratory	15013 Denver West Parkway	Golden	CO	80401-3305
NECEC Institute	250 Summer St. 5th Floor	Boston	MA	02210
NESCAUM	89 South Street	Boston	MA	02111
NESEA	50 Miles Street	Greenfield	MA	01301
Network Experts of New York Inc.	407 Vesper Court	Slingerlands	NY	12159
New Buildings Institute Inc.	623 SW Oak Street	Portland	OR	97205
New York Geothermal Energy Organization	7523 County House Road	Auburn	NY	13021
New York State Forum for IRM	24 Aviation Rd. Suite 206	Albany	NY	12205
New York State Ag & Markets	10B Airline Drive	Albany	NY	12235
Newport Ventures Inc.	22 Jay St	Schenectady	NY	12305-1917
Nexant Inc.	49 Stevenson Street	San Francisco	CA	94105-2954
nrastructure	5 Enterprise Avenue	Clifton Park	NY	12065
NGenius Solutions Inc.	30 Knightsbridge Road	Piscataway	NJ	08854

Nixon Peabody LLP	1300 Clinton Square	Rochester	NY	14604
NMR Group Inc.	50-2 Howard Street	Somerville	MA	02144
Noresco LLC	510 Thornall St. Ste 170	Edison	NJ	08837
Northco Products Inc.	1612 NY Route 7	Troy	NY	12180
Northeast Energy Efficiency Partnerships	81 Hartwell Ave. Ste 220	Lexington	MA	02421-3137
Norton Rose Fulbright US LLP	1301 McKinney Suite 5100	Houston	TX	77010
NortonLifeLock Inc	60 E. Rio Salado Pkwy	Tempe	AZ	85281
Nukelaw LLC	66 Franklin St. Unit 502	Annapolis	MD	21401
NYC Climate Action Alliance Inc.	560 Lexington Ave	New York	NY	10022
NYS Office for Technology	1 S Swan St Fl 3rd	Albany	NY	12210-2416
NYS Office of General Services	1220 Washington Ave	Albany	NY	12226
NYS Office of General Services	P.O. Box 2117	Albany	NY	12220-0117
NYS Office of Information Technology Ser	State Capital ESP	Albany	NY	12220-0062
O'Brien & Gere Engineers Inc.	333 W. Washington Street	Syracuse	NY	13202
Office Resource Inc	263 Summer Street	Boston	MA	02210
Offshore Electric Corp.	200 Atlantic Ave	Oceanside	NY	11572
Omnicap Group LLC	2286 E Maple Avenue	El Segundo	CA	90245
Opinion Dynamics Corporation	1000 Winter St	Waltham	MA	02451

Oracle America Inc.	PO Box 203448	Dallas	TX	75320-3448
Orrick Herrington & Sutcliffe LLP	51 West 52nd Street	New York	NY	10019
Ove Arup & Partners Consulting Engineers	155 Avenue of the Americas	New York	NY	10013-1507
Owahgena Consulting Inc.	1883 Ballina Road	Cazenovia	NY	13035
OwnBackup Inc.	940 Sylvan Ave FL 1	Englewood Cliffs	NJ	07632
PA Consulting Group	55 Cambridge Parkway	Cambridge	MA	02142
Pace University	Attn: Loretta Musial	White Plains	NY	10603
Passive House Institute US	53 W. Jackson Blvd	Chicago	IL	60604
Paul A. Bradbury	Club Craft Custom Products	Syracuse	NY	13215
Pecan Street Inc.	3924 Berkman Dr.	Austin	TX	78723
Penn Power Group LLC	DBA Northeast Energy Systems	New York	NY	10017
Performance Systems Development	of New York LLC	Ithaca	NY	14850
Peter L. Krog	4 Centre Drive	Orchard Park	NY	14127
PGR Group LLC	36 Plymouth Drive South	Glen Head	NY	11545
Phire Inc	8370 Greensboro Dr.	McLean	VA	22102
Pictometry International Corp.	P.O.Box 735288	Dallas	TX	75373-5288
Pivotal 180 LLC	405 Lexington Avenue	New York	NY	10174
PLB Oil & Gas Consult LLC	2 Pinecrest Road	Riverside	CT	06878

Plugged In Strategies	9492 Olympia Drive	Eden Prairie	MN	55347
Politico LLC	P.O. Box 419342	Boston	MA	02241-9342
Power Advisory LLC	212 Thoreau Street	Concord	MA	01742
Praveen Amar	119 Simonds Road	Lexington	MA	02420
Pricewaterhouse Coopers LLC	PO Box 7247-8001	Philadelphia	PA	19170-8001
Proenergy Consulting LLC	245 West 99th Street	New York	NY	10025
Promantek Inc.	d/b/a TrakStar	Seattle	WA	98122
Protek Information Technology Services	492 Mitchell Drive	Valley Cottage	NY	10989
Provantage LLC	7576 Freedom Ave. NW	North Canton	OH	44720
Pterra LLC	4 Automation Lane	Albany	NY	12205
Quanta Technology LLC	4020 Westchase Blvd Ste 300	Raleigh	NC	27607
R.W. Beck Group Inc.	Leidos Engineering LLC	Reston	VA	20190
Raj Technologies Inc.	110 Terminal Dr.	Plainview	NY	11803
Randstad North America Inc.	PO Box 2084	Carol Stream	IL	60132-2084
RD & Associates Consulting LLC	16 Coventry Drive	Clifton Park	NY	12065
Reed Midem SAS	27 Quai Alphonse Le Gallo	Boulogne-Billancourt	92	92100
Regional Economic Models Inc	433 West St	Amherst	MA	01002
Rensselaer Polytechnic Institute	Research Adm & Finance 4th Fl West Hall	Troy	NY	12180-3522

Rensselaer Polytechnic Institute-LRC	110 8th Street	Troy	NY	12180
Reos US Inc.	1 Broadway	Cambridge	MA	02142
Research Foundation of SUNY	P.O. Box 9	Albany	NY	12201
Research Foundation of SUNY	SUNY Stony Brook	Stony Brook	NY	11794-0002
Research Foundation of The City	University of New York	New York	NY	10036-7207
Resource Innovation Institute	P.O. Box 5981	Portland	OR	97228
Resource Refocus LLC	2120 University Ave.	Berkeley	CA	94704
Resource Systems Group Inc.	55 Railroad Row	White River Junction	VT	05001
Resources for the Future Inc	1616 P Street NW	Washington	DC	20036-1400
RFP Enterprises LLC	70 Greene St.	Jersey City	NJ	07302
Richard E. Gibbs Ph.D. P.E.	287 Hidley Rd	Wynantskill	NY	12198-8068
Ricoh USA Inc	300 Eagleview Boulevard Suite 200	Exton	PA	19341
River Architects PLLC	178 Main Street	Cold Spring	NY	10516
Robert K. Harmon & Company LLC	PO Box 2777	Vashon	WA	98070
Robison Energy LLC	One Gateway Plaza	Port Chester	NY	10573
Rochester Computer Recycling & Recovery	7318 Victor Mendon Road	Victor	NY	14564
Rochester Institute of Technology	74 Lomb Memorial Dr	Rochester	NY	14623
Rocky Mountain Institute	2490 Junction Place Suite 200	Boulder	CO	80301

Rosenblum Property Services LLC	PO Box 38070	Albany	NY	12203
RTH Realty Holdings LLC	320 Roebling Street	Brooklyn	NY	11211
Ruth Horton	93 Ash Street	Saratoga Springs	NY	12866
SBW Consulting	2820 Northup Way Suite 230	Bellevue	WA	98004
SHI Inc.	P.O. Box 952121	Dallas	TX	75395
Siemens Industry Inc.	85 Northpointe Parkway	Buffalo	NY	14228
Singlebrook Technology Inc.	700 Cascadilla Street	Ithaca	NY	14850
Site Capture LLC	7001 Shoal Creek	Austin	TX	78757
Sitecore USA Inc.	101 California St.	San Francisco	CA	94111
Siteimprove Inc.	7807 Creekridge Circle	Minneapolis	MN	55439
Sive Paget & Riesel PC	560 Lexington Ave. Floor 15	New York	NY	10022-1994
SkyFront Corporation	3501 Edison Way	Menlo Park	CA	94025
Social Finance Inc.	2 Atlantic Avenue 5th Floor	Boston	MA	02110
Southworth-Milton Inc.	d/b/a Milton Cat	Syracuse	NY	13210
Spectrotel Holding Company LLC	3535 State Hwy 66 Bldg 7	Neptune	NJ	07753
Stance Renewable Risk Partners LLC	22 Mariposa Avenue	San Anselmo	CA	94960
Stantec Consulting Services Inc.	13980 Collections Center Drive	Chicago	IL	60693
Steven Winter Associates Inc.	61 Washington St	Norwalk	CT	06854

Stichting Energiesprong		Amsterdam		1093 NK
Stone Environmental Inc.	535 Stone Cutters Way	Montpelier	VT	05602
Sunset Green Home LLC	112 E 74th St. #2N	New York	NY	10021
SUNY - ESF	The Research Foundation - SUNY	Albany	NY	12201-0009
Sustainable CUNY CUNY/RF	205 E. 42nd Street 11th Fl	New York	NY	10017
Sustainable Endowment Institute	50 Milk Street 15th Floor	Boston	MA	02109
Sustainable Energy Advantage LLC	161 Worcester Rd. Ste 503	Framingham	MA	01701
Sycamore Advisors LLC	612 East 13th Street	Indianapolis	IN	46202
Systems Management Planning Inc.	1020 John St	West Henrietta	NY	14586
Taitem Engineering P.C.	110 South Albany Street	Ithaca	NY	14850
Taylor Group LTD	d/b/a Apogee Exhibits	Macedon	NY	14502
Tech Valley Talent LLC	20 Prospect St. Suite 200 Building 1	Ballston Spa	NY	12020
Technology Professionals Group Inc.	D/B/A Cloud and Things	Loudonville	NY	12211
Techsign LTD	1225 Franklin Ave. STE 325	Garden City	NY	11530
TEKsystems Inc	15 British American Boulevard	Latham	NY	12110
Terri Hartwell Easter Consulting LLC	1875 K Street NW	Washington	DC	20006
Tetra Tech Inc.	6410 Enterprise Lane	Madison	WI	53719
Tetra Tech MA Inc.	6410 Enterprise Ln	Madison	WI	53719

The Architectural League of New York	594 Broadway Suite 607	New York	NY	10012
The Business Council of NYS Inc.	12 Corporate Woods Blvd Suite 17	Albany	NY	12211
The Cadmus Group LLC	100 5th Ave. Ste 100	Waltham	MA	02451
The Coalition for Green Capital	1875 Connecticut Ave. NW 10th Floor	Washington	DC	20009
The Common Pool LLC	d/b/a Carrot	Santa Monica	CA	90402
The Garrick Co. LLC	221 Cresent Bay Drive	Laguna Beach	CA	92651
The Lightman Company LLC	P.O. Box 744	Buffalo	NY	14207
The Logue Group	33 Holbrook Road	West Hartford	CT	06107
The Nature Conservancy	195 New Karner Road	Albany	NY	12205
The News Funnel LLC	dba CREtech	Far Hills	NJ	07931
The Real Estate Board of New York Inc.	570 Lexington Ave. 2nd Fl	New York	NY	10022-6837
The Research Foundation for the State	University of New York	Albany	NY	12201-0009
The Trustees of Columbia University	1210 Amsterdam Ave	New York	NY	10027-7003
Thornton Tomasetti Inc.	51 Madison Avenue	New York	NY	10010
Throughline Group LLC	1889 Palmer Avenue	Larchmont	NY	10538
ThunderCat Technology LLC	1925 Isaac Newton Square	Reston	VA	20190
Towerstream 1 Incorporated	76 Hammarlund Way # 130	Middletown	RI	02842
TPR Enterprises LLC	300 E Locust St. Suite 313	Des Moines	IA	50309

TRC Energy Services	21 Griffin Rd North	Windsor	CT	06095
T-REX Group inc.	44 Wall St	New York	NY	10005
Troy Web Consulting LLC	21 Westover Rd.	Troy	NY	12180
Trustees of University of PA	3451 Wanut Street	Philadelphia	PA	19104-6284
TS Media Consulting LLC	209 Featherwood Court	Schenectady	NY	12303
Tully Rinckey PLLC	441 New Karner Road	Albany	NY	12205
TVC Albany Inc.	FirstLight Fiber	Williston	VT	05495-1301
U.S. Nuclear Regulatory Commission	P.O. Box 979051	Saint Louis	MO	63197-9000
Unique Comp Inc.	2708 42nd Road	Long Island City	NY	11101
Unique Electric Solutions of NYS LLC	34 E Main St. STE 313	Smithtown	NY	11787
United Solar Energy Supporters Inc.	324 Lake Ave	Saratoga Springs	NY	12866
United Way of Long Island	819 Grand Boulevard	Deer Park	NY	11729
University at Albany	1400 Washington Ave	Albany	NY	12222-1000
University of Rochester	515 Hylan Building	Rochester	NY	14627
Uplight Inc.	2580 55th Street	Boulder	CO	80301
Upstate Capital Association of New York	180 South St.	Highland	NY	12528
Upstate Venture Connect	235 Harrison Street	Syracuse	NY	13202
USGS National Center MS270	PO Box 71362	Philadelphia	PA	19176

Verizon Wireless	PO Box 408	Newark	NJ	07101-0489
Vermont Energy Investment Corporation	20 Winooski Falls Way	Winooski	VT	05404
Vervent Inc.	10182 Telesis Court	San Diego	CA	92121
VHB Engineering Surveying and Landscape Architecture P.C.		Albany	NY	12203
W & E Phillips Locksmith Inc	P.O. Box 6310	Albany	NY	12206-0310
Wadsworth Energy LLC	16378 Viansa Way Unit 302	Naples	FL	34110
Walter Snyder Printer Inc.	691 River St	Troy	NY	12180-1504
Watershed Assessment Associates LLC	1861 Chrisler Ave.	Schenectady	NY	12303
Watertown City of	245 Washington St. Ste 203	Watertown	NY	13601-3334
Wendel Energy Services LLC	Centerpointe Corporate Park	Williamsville	NY	14221
Wendel WD Architecture Engineering	375 Essjay Rd. Ste 200	Williamsville	NY	14221
West Hill Energy & Computing Inc.	205 Main Street Suite 14	Brattleboro	VT	05301
West Publishing Corporation	DBA Thomas Reuters	Eagan	MN	55123
Willdan Energy Solutions	Wall Street Plaza	New York	NY	10005
Windels Marx Lane & Mittendorf LLP	156 West 56th Street 22nd Floor	New York	NY	10019
Wood Mackenzie Inc	5847 San Felipe Suite 1000	Houston	TX	77057
Wood Mackenzie Power & Renewables Inc.	545 Washington Blvd	Jersey City	NJ	07310
Worley Group Inc.	181 West Huntington Dr	Monrovia	CA	91016

WSP USA Corp.

One Penn Plaza

New York

NY

10119

Zones LLC

1102 15th St. SW. STE 102

Auburn

WA

98001

ANNUAL CONTRACTS REPORT : Section 1 Summary 4/1/2021 to 3/31/2022

Category	Report Type	Type	Count of Contracts	Committed this period
PGRM	Program	Competitive	4,067	\$8,842,924,150
		Discretionary	50	\$3,707,771
		Non-Competitive	23	\$5,742,788
	Total		4,140	\$8,852,374,709
Grand Total			4,140	\$8,852,374,709

Section 1 Summary - Percentages

% Contract Counts Competitively % of \$Committed this period Competitively

99.44%	99.94%
--------	--------

NYSERDA CONTRACTS REPORT - Contracts Executed or Modified
4/1/2021 to 3/31/2022

Table: All Market Focus Committed this Period

MarketFocus	Count of Contracts	Committed this period
Administration	2	\$21,667
Agriculture	13	\$115,940
Anaerobic Digesters	3	\$1,221,285
Building Innovation	16	\$3,592,966
Clean Heating and Cooling	72	\$11,770,799
Clean Trans (Innov & Research)	60	\$31,468,179
Codes	31	\$3,210,142
Commercial	406	\$45,579,535
Communities and Local Governme	28	\$9,859,444
Energy & Environmen talAnalysis	4	\$1,553,979
Energy Storage	260	\$51,975,846
Energy-Rltd Environmental Res	5	\$607,648
Evaluation	2	\$1,235,955
Financing Solutions	3	\$1,830,023
Fuel NY	1	\$512,000
Grid Modernization	20	\$11,887,860
Industrial	48	\$6,891,480
Information Brokering	2	\$150,000
Innovation	6	\$507,030
Large Scale Renewables	62	\$8,285,585,400
LMI	313	\$53,507,826

NYSERDA CONTRACTS REPORT - Contracts Executed or Modified
4/1/2021 to 3/31/2022

Table: All Market Focus Committed this Period

MarketFocus	Count of Contracts	Committed this period
Low Income	5	\$400,764
Mkt Char & Design (Mkt Dev)	6	\$6,926,132
Multifamily (Mkt Rate Only)	305	\$8,895,547
Negative Emissions Technology	1	\$5,000,000
New Construction	89	\$17,647,771
NY Green Bank	3	\$807,857
NY-Sun	1,864	\$223,595,336
Products	4	\$1,549,997
Renewables Optimization	32	\$17,417,853
REV Technical Assistance	1	\$1,500,000
Saratoga Tech & Energy Park	1	\$404,958
Single Family Residential	7	\$7,985,209
Technology to Market	27	\$20,063,924
Workforce Development	501	\$17,094,358
Grand Total	4,203	\$8,852,374,709

NYSERDA CONTRACTS REPORT - Contracts Executed or Modified

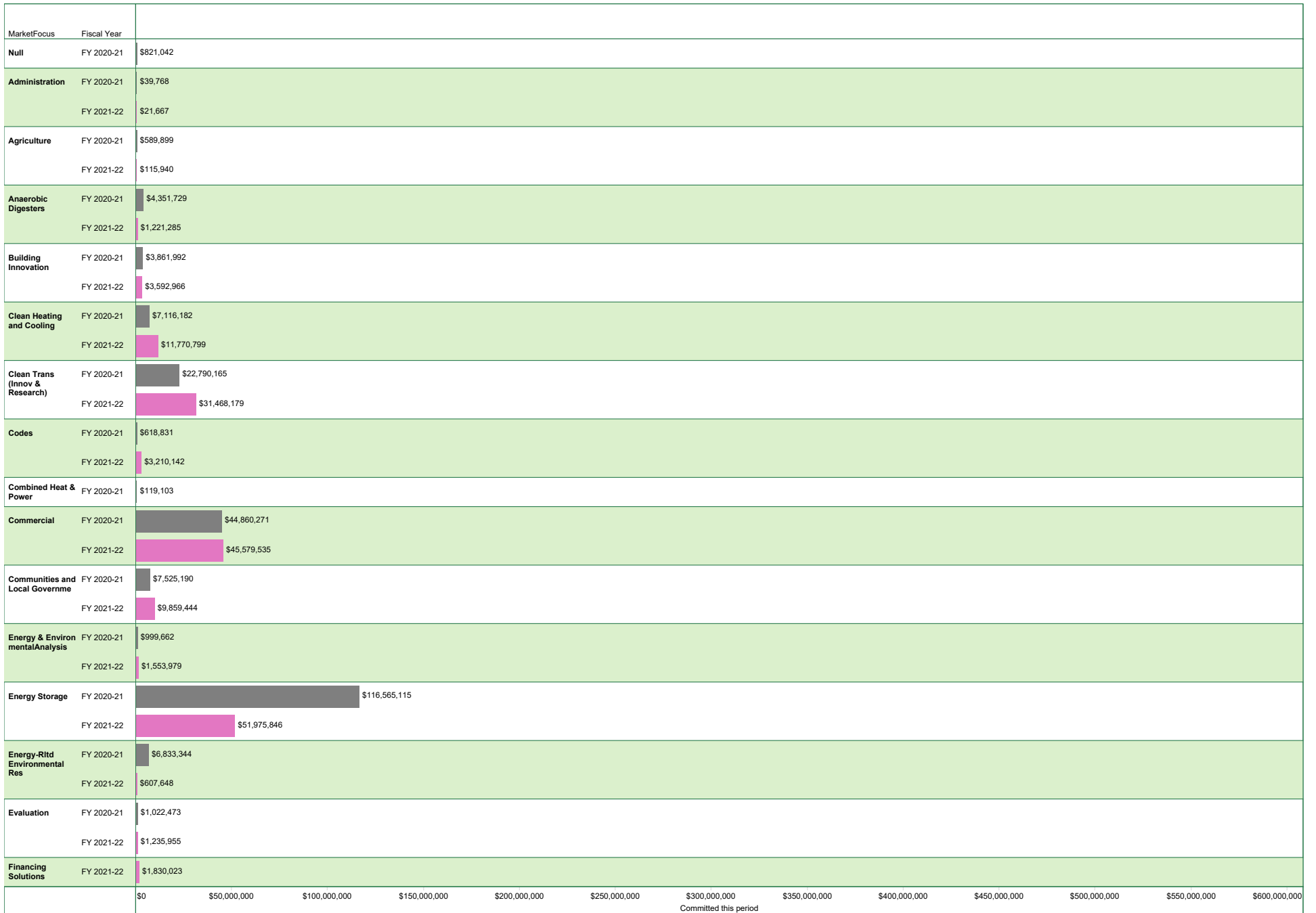
4/1/2021 to 3/31/2022

Graph: All Market Focus Committed this Period

MarketFocus																		
Large Scale Renewables																		\$8,285,585,400
NY-Sun	\$223,595,336																	
LMI	\$53,507,826																	
Energy Storage	\$51,975,846																	
Commercial	\$45,579,535																	
Clean Trans (Innov & Resear..	\$31,468,179																	
Technology to Market	\$20,063,924																	
New Construction	\$17,647,771																	
Renewables Optimization	\$17,417,853																	
Workforce Development	\$17,094,358																	
Grid Modernization	\$11,887,860																	
Clean Heating and Cooling	\$11,770,799																	
Communities and Local Gov..	\$9,859,444																	
Multifamily (Mkt Rate Only)	\$8,895,547																	
Single Family Residential	\$7,985,209																	
Mkt Char & Design (Mkt Dev)	\$6,926,132																	
Industrial	\$6,891,480																	
Negative Emissions Technol..	\$5,000,000																	
Building Innovation	\$3,592,966																	
Codes	\$3,210,142																	
Financing Solutions	\$1,830,023																	
Energy & EnvironmentalAna..	\$1,553,979																	
Products	\$1,549,997																	
REV Technical Assistance	\$1,500,000																	
Evaluation	\$1,235,955																	
Anaerobic Digesters	\$1,221,285																	
NY Green Bank	\$807,857																	
Energy-Rttd Environmental ..	\$607,648																	
Fuel NY	\$512,000																	
Innovation	\$507,030																	
Saratoga Tech & Energy Park	\$404,958																	
Low Income	\$400,764																	
Information Brokering	\$150,000																	
Agriculture	\$115,940																	
Administration	\$21,667																	
	\$0	\$500,000,000	\$1,000,000,000	\$1,500,000,000	\$2,000,000,000	\$2,500,000,000	\$3,000,000,000	\$3,500,000,000	\$4,000,000,000	\$4,500,000,000	\$5,000,000,000	\$5,500,000,000	\$6,000,000,000	\$6,500,000,000	\$7,000,000,000	\$7,500,000,000	\$8,000,000,000	\$8,500,000,000

Committed this period

NYSERDA CONTRACTS REPORT - Contracts Executed or Modified
 For FY 2020-21 & FY 2021-22
 Graph: All Market Focus versus prior fiscal year



NYSERDA CONTRACTS REPORT - Contracts Executed or Modified
 For FY 2020-21 & FY 2021-22
 Graph: All Market Focus versus prior fiscal year

MarketFocus	Fiscal Year	
Fuel Cells	FY 2020-21	\$2,412,500
	FY 2021-22	
Fuel NY	FY 2020-21	\$515,000
	FY 2021-22	\$512,000
Green Jobs-Green NY	FY 2020-21	\$200,000
Grid Modernization	FY 2020-21	\$25,324,018
	FY 2021-22	\$11,887,860
Industrial	FY 2020-21	\$21,047,503
	FY 2021-22	\$6,891,480
Information Brokering	FY 2020-21	\$1,538,940
	FY 2021-22	\$150,000
Innovation	FY 2020-21	\$1,870,341
	FY 2021-22	\$507,030
LMI	FY 2020-21	\$27,839,429
	FY 2021-22	\$53,507,826
Low Income	FY 2020-21	\$141,811
	FY 2021-22	\$400,764
Mkt Char & Design (Innovation)	FY 2020-21	\$465,000
Mkt Char & Design (Mkt Dev)	FY 2020-21	\$285,675
	FY 2021-22	\$6,926,132
Moderate Income	FY 2020-21	\$60,000
Multifamily (Mkt Rate Only)	FY 2020-21	\$3,457,253
	FY 2021-22	\$8,895,547
Negative Emissions Technology	FY 2021-22	\$5,000,000
New Construction	FY 2020-21	\$12,605,273
	FY 2021-22	\$17,647,771
NY Green Bank	FY 2020-21	\$66,048
	FY 2021-22	\$807,857
NY-Sun	FY 2020-21	\$551,837,104
	FY 2021-22	\$223,595,336
		\$0 \$50,000,000 \$100,000,000 \$150,000,000 \$200,000,000 \$250,000,000 \$300,000,000 \$350,000,000 \$400,000,000 \$450,000,000 \$500,000,000 \$550,000,000 \$600,000,000 Committed this period

NYSERDA CONTRACTS REPORT - Contracts Executed or Modified
 For FY 2020-21 & FY 2021-22
 Graph: All Market Focus versus prior fiscal year



NYSERDA CONTRACTS REPORT - Contracts Executed or Modified
 For FY 2020-21 & FY 2021-22
 Graph: All Market Focus versus prior fiscal year

MarketFocus	Fiscal Year	
Null	FY 2020-21	\$821,042
Administration	FY 2020-21	\$39,768
	FY 2021-22	\$21,667
Agriculture	FY 2020-21	\$589,899
	FY 2021-22	\$115,940
Anaerobic Digesters	FY 2020-21	\$4,351,729
	FY 2021-22	\$1,221,285
Building Innovation	FY 2020-21	\$3,861,992
	FY 2021-22	\$3,592,966
Clean Heating and Cooling	FY 2020-21	\$7,116,182
	FY 2021-22	\$11,770,799
Clean Trans (Innov & Research)	FY 2020-21	\$22,790,165
	FY 2021-22	\$31,468,179
Codes	FY 2020-21	\$618,831
	FY 2021-22	\$3,210,142
Combined Heat & Power	FY 2020-21	\$119,103
Commercial	FY 2020-21	\$44,860,271
	FY 2021-22	\$45,579,535
Communities and Local Governme	FY 2020-21	\$7,525,190
	FY 2021-22	\$9,859,444
Energy & EnvironmentalAnalysis	FY 2020-21	\$999,662
	FY 2021-22	\$1,553,979
Energy Storage	FY 2020-21	\$116,565,115
	FY 2021-22	\$51,975,846
Energy-Ritd Environmental Res	FY 2020-21	\$6,833,344
	FY 2021-22	\$607,648
Evaluation	FY 2020-21	\$1,022,473
	FY 2021-22	\$1,235,955
Financing Solutions	FY 2021-22	\$1,830,023
		\$0

Committed this period

NYSERDA CONTRACTS REPORT - Contracts Executed or Modified
 For FY 2020-21 & FY 2021-22
 Graph: All Market Focus versus prior fiscal year

MarketFocus	Fiscal Year	
Fuel Cells	FY 2020-21	\$2,412,500
Fuel NY	FY 2020-21	\$515,000
	FY 2021-22	\$512,000
Green Jobs-Green NY	FY 2020-21	\$200,000
Grid Modernization	FY 2020-21	\$25,324,018
	FY 2021-22	\$11,887,860
Industrial	FY 2020-21	\$21,047,503
	FY 2021-22	\$6,891,480
Information Brokering	FY 2020-21	\$1,538,940
	FY 2021-22	\$150,000
Innovation	FY 2020-21	\$1,870,341
	FY 2021-22	\$507,030
Large Scale Renewables	FY 2020-21	\$1,637,115,779
	FY 2021-22	\$8,285,585,400
LMI	FY 2020-21	\$27,839,429
	FY 2021-22	\$53,507,826
Low Income	FY 2020-21	\$141,811
	FY 2021-22	\$400,764
Mkt Char & Design (Innovation)	FY 2020-21	\$465,000
Mkt Char & Design (Mkt Dev)	FY 2020-21	\$285,675
	FY 2021-22	\$6,926,132
Moderate Income	FY 2020-21	\$60,000
Multifamily (Mkt Rate Only)	FY 2020-21	\$3,457,253
	FY 2021-22	\$8,895,547
Negative Emissions Technology	FY 2021-22	\$5,000,000
New Construction	FY 2020-21	\$12,605,273
	FY 2021-22	\$17,647,771
NY Green Bank	FY 2020-21	\$66,048
	FY 2021-22	\$807,857
		\$0

Committed this period

NYSERDA CONTRACTS REPORT - Contracts Executed or Modified
 For FY 2020-21 & FY 2021-22
 Graph: All Market Focus versus prior fiscal year

MarketFocus	Fiscal Year	
NY-Sun	FY 2020-21	\$551,837,104
	FY 2021-22	\$223,595,336
Other Program	FY 2020-21	\$156,976
Products	FY 2020-21	\$686,000
	FY 2021-22	\$1,549,997
Renewables Optimization	FY 2020-21	\$11,014,753
	FY 2021-22	\$17,417,853
REV Technical Assistance	FY 2020-21	\$1,966,529
	FY 2021-22	\$1,500,000
Saratoga Tech & Energy Park	FY 2021-22	\$404,958
Single Family Residential	FY 2020-21	\$456,737
	FY 2021-22	\$7,985,209
Technology to Market	FY 2020-21	\$17,339,454
	FY 2021-22	\$20,063,924
Workforce Development	FY 2020-21	\$7,452,570
	FY 2021-22	\$17,094,358
		\$0 \$500,000,000 \$1,000,000,000 \$1,500,000,000 \$2,000,000,000 \$2,500,000,000 \$3,000,000,000 \$3,500,000,000 \$4,000,000,000 \$4,500,000,000 \$5,000,000,000 \$5,500,000,000 \$6,000,000,000 \$6,500,000,000 \$7,000,000,000 \$7,500,000,000 \$8,000,000,000 \$8,500,000,000 \$9,000,000,000 Committed this period

NYSERDA CONTRACTS REPORT - Contracts Executed or Modified
4/1/2021 to 3/31/2022
Table: By REDC Region and County

REDC Region	County	Count of Contracts	Committed this period
Capital Region	Albany	106	\$33,872,112
	Columbia	42	\$1,027,455
	Greene	26	\$4,746,486
	Rensselaer	33	\$5,237,326
	Saratoga	49	\$4,785,386
	Schenectady	35	\$1,651,645
	Warren	14	\$728,072
	Washington	25	\$25,869,363
	Total	330	\$77,917,845
Central New York	Cayuga	18	\$41,540,598
	Cortland	10	\$1,229,628
	Madison	15	\$1,239,938
	Onondaga	93	\$8,101,003
	Oswego	29	\$3,737,108
	Total	165	\$55,848,275
Finger Lakes	Genesee	23	\$21,759,828
	Livingston	24	\$3,444,922
	Monroe	162	\$20,101,733
	Ontario	92	\$5,260,038
	Orleans	14	\$280,944
	Seneca	3	\$261,888

NYSERDA CONTRACTS REPORT - Contracts Executed or Modified
4/1/2021 to 3/31/2022
Table: By REDC Region and County

REDC Region	County	Count of Contracts	Committed this period
Finger Lakes	Wayne	39	\$1,540,739
	Wyoming	10	\$2,109,405
	Yates	11	\$2,546,612
	Total	378	\$57,306,108
Long Island	Mastic Beach	1	\$6,250
	Nassau	126	\$2,410,762
	Suffolk	143	\$7,987,582
	Total	270	\$10,404,594
Mid-Hudson	Dutchess	162	\$8,427,573
	Orange	207	\$13,841,887
	Putnam	35	\$395,852
	Rockland	117	\$1,971,788
	Sullivan	34	\$1,564,062
	Ulster	125	\$7,724,962
	Westchester	135	\$36,039,035
Total	815	\$69,965,160	
Mohawk Valley	Fulton	17	\$6,113,313
	Herkimer	19	\$2,231,566
	Montgomery	17	\$121,672,698
	Oneida	76	\$33,234,426
	Otsego	17	\$752,276

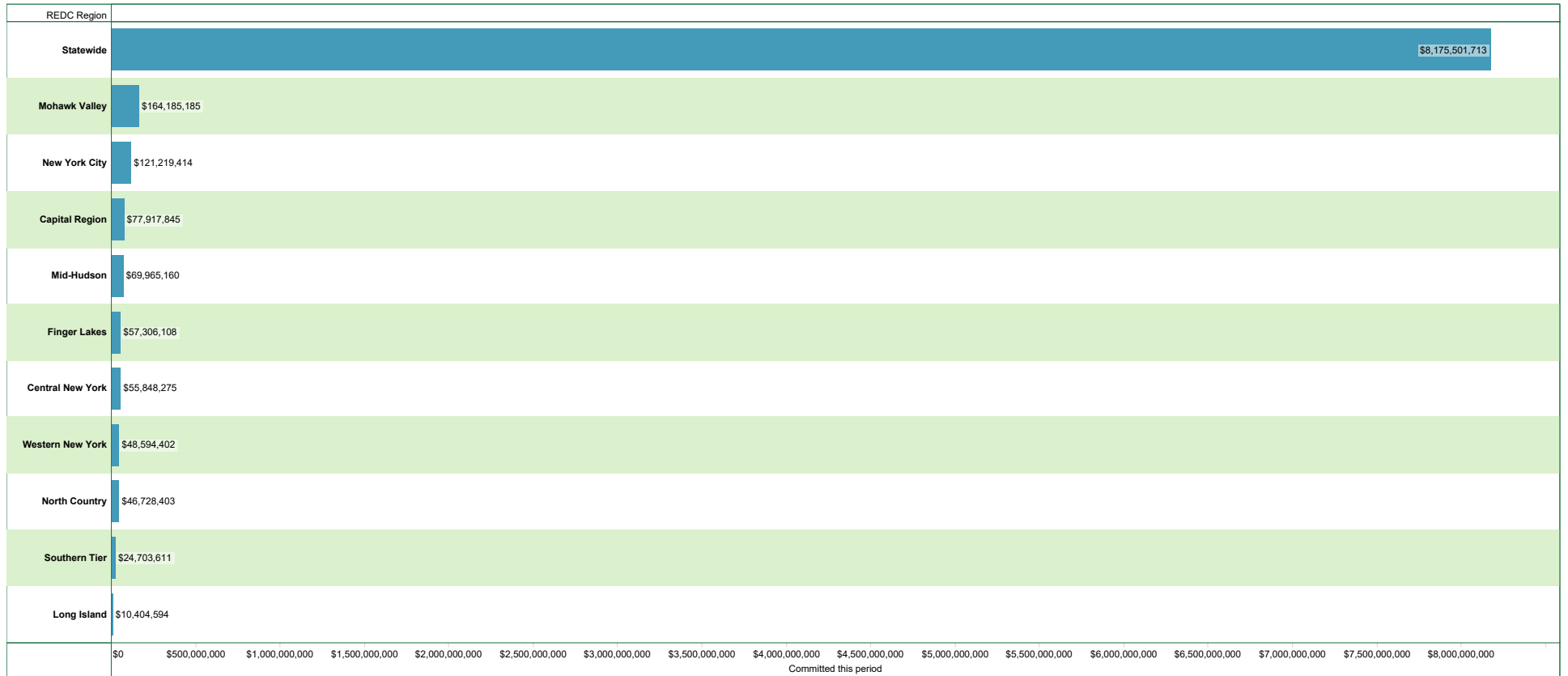
NYSERDA CONTRACTS REPORT - Contracts Executed or Modified
4/1/2021 to 3/31/2022
Table: By REDC Region and County

REDC Region	County	Count of Contracts	Committed this period
Mohawk Valley	Schoharie	12	\$180,906
	Total	158	\$164,185,185
New York City	Bronx	159	\$9,827,639
	Brooklyn	1	\$18,001
	Kings	277	\$26,236,441
	New York	510	\$45,180,618
	Queens	158	\$19,036,878
	Richmond	43	\$21,016,637
	Total	1,148	\$121,316,214
North Country	Clinton	5	\$566,226
	Essex	17	\$2,205,918
	Franklin	9	\$2,877,696
	Jefferson	30	\$35,844,423
	Lewis	5	\$1,188,672
	St Lawrence	1	\$5,198
	St. Lawrence	35	\$4,040,271
	Total	102	\$46,728,403
Southern Tier	Broome	50	\$1,723,153
	Chemung	11	\$2,426,290
	Chenango	4	\$1,572,900
	Delaware	9	\$1,585,711

NYSERDA CONTRACTS REPORT - Contracts Executed or Modified
4/1/2021 to 3/31/2022
Table: By REDC Region and County

REDC Region	County	Count of Contracts	Committed this period
Southern Tier	Schuyler	2	\$1,285,920
	Steuben	22	\$7,270,961
	Tioga	21	\$4,350,470
	Tompkins	52	\$4,488,205
	Total	171	\$24,703,611
Statewide	STATEWIDE	360	\$8,175,501,713
	Total	360	\$8,175,501,713
Western New York	Allegany	14	\$2,675,186
	Cattaraugus	21	\$9,144,957
	Chautauqua	35	\$17,938,058
	Erie	143	\$16,351,599
	Niagara	40	\$2,484,601
	Total	253	\$48,594,402
Grand Total		4,150	\$8,852,471,509

NYSERDA CONTRACTS REPORT - Contracts Executed or Modified
 4/1/2021 to 3/31/2022
 Graph: By REDC Region

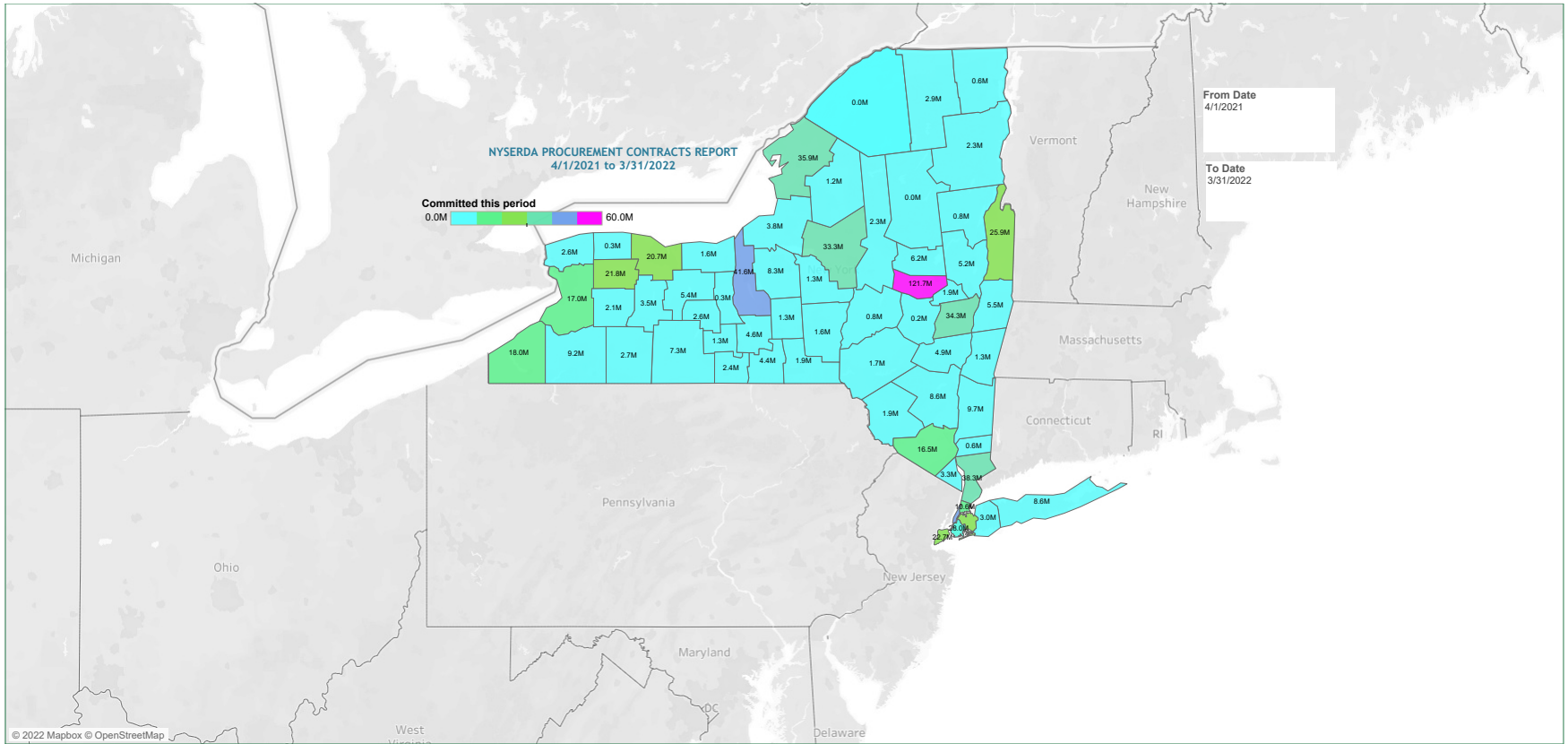


NYSERDA CONTRACTS REPORT - Contracts Executed or Modified
4/1/2021 to 3/31/2022
Table: By Electric Utility

Electric Utility	Count of Contracts	Committed this period
AKRON	1	\$9,660
BOONVILLE	2	\$114,047
Central Hudson Gas and Electric	375	\$23,654,053
Consolidated Edison	1,260	\$156,863,742
FAIRPORT	1	\$5,760
JAMESTOWN	4	\$47,425
LAKE PLACID	2	\$68,240
Long Island Power Authority	274	\$10,482,120
MOHAWK	1	\$115,720
National Grid	891	\$350,971,762
NYS Electric and Gas	478	\$97,025,267
Orange and Rockland Utilities	269	\$12,437,995
PENN YAN	7	\$2,509,926
PLATTSBURGH	1	\$74,200
Rochester Gas and Electric	208	\$16,730,715
SILVER SPRINGS	1	\$119,339

NYSERDA CONTRACTS REPORT - Contracts Executed or Modified
4/1/2021 to 3/31/2022
Table: By Electric Utility

Electric Utility	Count of Contracts	Committed this period
SPENCERPORT	1	\$4,799,256
Statewide	365	\$8,175,793,982
TUPPER LAKE	4	\$637,380
WATKINS GLEN	1	\$10,920
Grand Total	4,146	\$8,852,471,509



Report Type
 Procurement
 Program

NEW YORK STATE
ENERGY RESEARCH AND DEVELOPMENT AUTHORITY

PROCUREMENT AND PROGRAM CONTRACT GUIDELINES, OPERATIVE POLICY
AND INSTRUCTIONS

June 2022

Article I. Purpose and Applicability

1.0 These Procurement and Program Contract Guidelines ("Guidelines"), adopted pursuant to Public Authorities Law Sections 1854, 1855, and 2879, set forth the operative policies of the Authority and instructions to its officers and employees regarding the use, awarding, monitoring, and reporting of Procurement and Program Contracts.

1.1 These Guidelines apply to any Procurement or Program Contract entered into after they become effective pursuant to the provisions of Section 1853 of the Public Authorities Law.

Article II. Definitions

2.0 As used in these Guidelines, "Procurement Contract" means a written agreement for the Authority's acquisition of goods or services, in the actual or estimated amount of \$5,000 or more.

2.1 As used in these Guidelines, "Program Contract" means a contract in the actual or estimated amount of \$5,000 or more that is not a Procurement Contract. Program Contracts may include but are not limited to grants, investments, awards, incentives, memberships and other arrangements by which the Authority provides financial assistance to fund a third party's performance of work in furtherance of the mission of the Authority. Program Contracts shall also include: memberships in industry groups, professional societies and similar cooperative associations, and any cooperative projects conducted or sponsored by such organizations; and direct purchase advertising with radio, television or print media regarding program activities. Loans, guarantees, letters of credit and other contractual arrangements executed by Green Bank are not Program Contracts for purposes of these Guidelines; the consideration and approval of such transactions are governed by the relevant provisions of the Authority's Internal Control Manual and by Green Bank's internal rules and guidelines. Contracts for interests in real property are governed by separate Board approved Guidelines for Real Property.

2.2 As used in these Guidelines, "Other Administrative Contracts" mean Procurement Contracts to provide services to support the Authority's administrative functions for a fee, commission, or other compensation by a person or organization that is not performing that work as an officer or employee of the Authority, another public corporation, or a state agency. Other Administrative Contracts include, but are not limited to, equipment maintenance contracts, leases, insurance, telecommunications, or other similar services, but do not include Personal Services Contracts.

2.3 As used in these Guidelines, "Contractor" means a person or organization that enters into a Procurement or Program Contract with the Authority.

2.4 As used in these Guidelines, "Minority Business Enterprise" means any business enterprise certified by the Division of Minority and Women-Owned Business Development as a Minority Business Enterprise.

2.5 As used in these Guidelines, "Women-Owned Business Enterprise" means a business enterprise certified by the Division of Minority and Women-Owned Business Development as a Women-Owned Business Enterprise.

2.6 As used in these Guidelines, "New York State Business Enterprise" means a business enterprise, including a sole proprietorship, partnership, or corporation, which offers for sale or lease or other form of exchange goods which are sought by the Authority and which are substantially manufactured, produced, or assembled in New York State or services which are sought by the Authority and which are substantially performed in New York State.

2.7 As used in these Guidelines, "New York State Small Business Enterprise" means a company that is a resident to New York State, independently owned and operated, with 100 or fewer employees, and not dominant in its field. See New York State Finance Law.

2.8 As used in these Guidelines, "Service-Disabled Veteran-Owned Business Enterprise (SDVOB)" means any business that is certified by the Office of General Services Division of Service-Disabled Veterans' Business Development as a certified service-disabled veteran-owned business enterprise.

2.9 As used in these Guidelines, a "New York State Resident" means a natural person who maintains a fixed, permanent, and principal home within New York State and to which such person, whenever temporarily located, always intends to return.

2.10 As used in these Guidelines, "Competitive Selection Method" shall include:

- i. solicitations, including program opportunity notices, requests for proposals, requests for information, requests for quotations and requests for qualifications;
- ii. subscription program offers;
- iii. for administrative purchases, if the issuance of a solicitation is reasonably expected to result in no more than nominal savings, obtaining at a minimum three (3) quotations from different providers or firms;
- iv. Procurement or Program Contracts made pursuant to centralized contracts let by other public entities pursuant to a competitive process, including those contracts of the New York State Office of General Services;
- v. procurement of commodities from a Contractor where the price to be charged by the Contractor is less than that which would be charged for the purchase substantially similar in function, form or utility made pursuant to a centralized contract let by the New York

- State Office of General Services or when other contract terms such as delivery or warranty terms are more economically beneficial;
- vi. processes to award agreements for disposition of personal or real property in accordance with the provisions of Section 1902 of Title 9-B of Article 8 of the Public Authorities Law; or
 - vii. any other competitive method of selection that is consistent with these guidelines.

Article III. Requirements Regarding Selection of Contractors

3.0 Unless otherwise directed by law or order in the form of an authorization and direction to use funds in a certain manner¹, the Authority shall use its best efforts to secure offers from Contractors by using a Competitive Selection Method and to select from such offerers the Contractor offering the most favorable terms, weighing expected ability to perform against projected costs. To this end, the Authority shall:

- (a) solicit offers in writing from several persons or organizations known, believed, or reputed to be qualified in the area of supplying the goods, personal services, Authority program work, or other administrative services to be provided or performed, except that for administrative purchases authorized by Section 2.10 (iii), such quotations may be secured by telephone solicitations where time constraints do not permit securing a written bid and for procurement of catalog and other items generally purchased in the ordinary course of business or which do not require a detailed bid or description of materials or specifications.
- (b) evaluate those offers received on the basis of such information as the Authority has received on, as may be relevant, each offerer's technical or professional qualifications, financial stability, past performance for the Authority, staff, equipment, and facilities availability, experience, reputation, and other factors bearing on expected capability and quality of performance, possible conflicts of interest, and contract price or fee structure; and
- (c) document the processes by which a Contractor is selected, by making a record summarizing the nature and scope of the goods, personal services, Authority program work, or other administrative services sought, the name of each person or organization submitting, or requested to submit, a bid or proposal, the price or fee bid, and the basis for selection of the Contractor.

3.1 In any instance, the members of the Authority may, by resolution, waive the use of the procedure for selecting Contractors outlined in Section 3.0 if they determine such waiver to be in the best interest of the Authority.

3.2 The members of the Authority, upon adoption of these Guidelines, hereby waive use of the

¹ For avoidance of doubt, this provision is included to acknowledge that the Authority's contracting guidelines do not apply in instances where the Authority is directed by law or order to use funds in a certain manner.

procedures for selecting Contractors outlined in section 3.0 in those instances when:

- a) the goods, personal services, Authority program work, or other administrative services involved are expected to cost \$50,000 or less;
- b) the goods, personal services, or other administrative services involved are expected to cost \$500,000 or less and are procured from a Minority Business Enterprise or Women-Owned Business Enterprise; a New York State Small Business Enterprise; or a Certified Service-Disabled Veteran-Owned Business Enterprise.
- c) for any Authority program work, the contract is based upon an unsolicited proposal, submitted at the sole initiative of the offerer, not duplicating work then being performed or in the project planning request stage, and involving unique, innovative, or unusual meritorious methods or ideas;
- d) an Authority Officer or the Director of Contract Management, to the extent of each of their respective encumbrance authority pursuant to the Authority's Bylaws, determines that:
 - i. the interest of the Authority for timely obtainment of the goods, personal services, Authority program work, or other administrative services involved precludes selection of a Contractor pursuant to such procedure; or,
 - ii. even though two or more Contractors could supply the required goods, personal services, Authority program work, or other administrative service, one particular Contractor has unique or exceptionally scarce qualifications or experience, specialized equipment, or facilities not readily available from other sources, or patents, copyrights, or proprietary data; or,
 - iii. there is only one source for a required good, personal service, Authority program work, or other administrative service; or,
 - iv. the contract is for goods, personal services or other administrative services and is based upon a contract awarded by the United States government, or any state or any political subdivision thereof, in accordance with the requirements of New York State Finance Law and the criteria established by the New York State Office of General Services (aka piggybacking); or,
 - v. the contract is for a membership in an industry group, professional society, or similar cooperative association the work of which is aligned with the strategy of the Authority and membership in which will benefit the Authority's mission; or
 - vi. the contract is for a sponsorship or procurement of space or services in relation to an industry or other mission-related conference, symposium or other similar event, the topic

of which is aligned with the strategy of the Authority and participation will benefit the Authority's mission; or

- vii. processes to enter into agreements to acquire applicable personal or real property in accordance with the provisions of Section 1902 of Title 9-B of Article 8 of the Public Authorities Law,

provided, that in those instances the Authority shall nonetheless make a record summarizing the nature and scope of the goods, personal services, Authority program work, or other administrative service involved, the name of the Contractor, the contract price or fee, and the basis for waiver and selection of the Contractor.

3.3 Board Approval of Procurement and Program Contracts

- (a) Approval of the members of the Authority, either by prior action, when time permits, or by ratification at the next meeting of the Authority shall be required for any:
 - i. Procurement Contract which provides for a period of performance by the Contractor in excess of one year;
 - ii. Program Contract that is the result of a competitive process and which provides an estimated or actual amount of \$3 Million or more; and,
 - iii. Program Contract that is the result of a noncompetitive process and which provides an estimated or actual amount greater than \$1 Million.

3.4 Independent auditors for the Authority shall be retained only with the prior approval of the members of the Authority.

3.5 The Authority may use its Competitive Selection Methods to select multiple Contractors to provide goods, personal services, Authority program work, and other administrative services. Individual task work orders may be awarded to these Contractors on an as-needed basis.

Article IV. Compliance with State Finance Law Sections 139-j and 139-k in the Selection of Contractors; Contractor Responsibilities and Types of Contract Provisions

4.0 The Authority shall comply with the requirements of State Finance Law Sections 139-j and 139-k in its selection of Contractors. Solicitations shall identify NYSERDA's Designated Contacts, require bidders to disclose any prior determination of non-responsibility, and to provide the other information required by State Finance Law Sections 139-j and 139-k.

The responsibilities of a Contractor, including continuing responsibilities under State Finance Law Sections 139-j and 139-k, shall be detailed in the contract. Contract provisions shall address the nature and scope of the goods, personal services, or Authority program work to be provided; the standard for performance, if practical; the duration of the work; any relevant time requirements or deadlines; and the amount of compensation to be paid or the price, rates, or fees which will be used

to determine such compensation. Personal Services Contracts and Program Contracts shall also include provisions on monitoring of the work to be performed; provisions governing the Contractor's use of Authority supplies, facilities, or personnel, if permitted; any provisions required by applicable law; and any other provisions the Authority deems necessary or desirable.

Article V. Minority and Women-Owned Business Enterprises

5.0 It is the policy of the Authority to foster and promote participation of Minority Business Enterprises and Women-Owned Business Enterprises in its procurements and the development of such enterprises and to facilitate a fair share of the awarding of Procurement Contracts to such enterprises.

The MWBE rules and regulations apply to any procurement that conforms to the definition of State Contract as described in the rules and regulations, and as specifically applied to NYSERDA in Article 15-A of New York State Executive Law. State Contract is defined as: a written agreement or purchase order instrument, providing for a total expenditure in excess of \$25,000, whereby a contracting agency is committed to expend or does expend funds in return for labor, services including but not limited to legal, financial and other professional services, commodities, supplies, equipment, materials, technology or any combination of the foregoing, to be performed for, or rendered or furnished to the contracting agency; a written agreement in excess of \$100,000 whereby a contracting agency is committed to expend or does expend funds for the acquisition, construction, demolition, replacement, major repair or renovation of real property and improvements thereon; and, a written agreement in excess of \$100,000 whereby the owner of a State assisted housing project is committed to expend or does expend funds for the acquisition, construction, demolition, replacement, major repair or renovation of real property and improvements thereon for such project. Article 15-A explicitly applies to NYSERDA only to the extent of State Contracts entered into for its own account or for the benefit of another qualifying state agency.

The Authority endeavors to promote and assist: (i) participation by certified Minority or Women-Owned Business Enterprises in applicable Authority procurement opportunities and facilitation of the award of qualified Procurement Contracts to such enterprises; (ii) the utilization of certified Minority and Women-Owned Business Enterprises as subcontractors and suppliers by entities having qualified Procurement Contracts with the Authority; and (iii) the utilization of partnerships, joint ventures or other similar arrangements between certified Minority and Women-Owned Business Enterprises and other entities having qualified Procurement Contracts with the Authority.

The Authority hereby designates the Division of Minority and Women-Owned Business Development to certify and decertify Minority Business Enterprises and Women-Owned Business Enterprises through a single process that meets applicable state and federal requirements.

On an annual basis, the Authority shall establish appropriate statewide goals for participation by Minority or Women-Owned Business Enterprises in qualified Procurement Contracts awarded by the Authority, and for the utilization of Minority and Women-Owned Business Enterprises as

subcontractors and suppliers by entities having qualified procurement contracts with the Authority pursuant to § 313(1-b) of the Executive Law. In accordance therewith, the Authority shall submit a Master Goal Plan, or Master Goal Plan update, for acceptance by the Division of Minority and Women's Business Development.

The Authority shall conduct procurements in a manner that will enable it to achieve the maximum feasible portion of the goals it establishes and that will eliminate barriers to participation by Minority and Women-Owned Business Enterprises. This includes, but is not limited to:

- (a) The Authority shall maintain measures and procedures, as detailed in the Master Goal Plan, to ensure that certified businesses shall be given the opportunity for maximum feasible participation in the performance of appropriate state contracts and to assist in the Authority's identification of those state contracts for which certified businesses may best bid to actively and affirmatively promote and assist their participation.
- (b) The Authority will consult with the Division of Minority and Women's Business Development for assistance in identifying Minority Business Enterprises or Women-Owned Business Enterprises, and refer to any known list maintained by any other State department or agency that identifies such enterprises by area of expertise.
- (c) With the assistance of the Director of Contract Management, the Authority shall maintain its own list of such enterprises, including professional firms that have expressed an interest in doing business with the Authority, and shall ensure that the list is updated regularly.
- (d) The Authority shall provide notice of procurement opportunities to professional and other organizations that serve Minority and Women-Owned Business Enterprises providing the types of services the Authority procures, and solicit or request offers from Minority and Women-Owned Businesses known to have experience in the type of goods, personal services, and other administrative services involved.
- (e) Each solicitation document for a qualified solicitation shall set forth the expected degree of Minority and Women-Owned Business Enterprise participation, and the Authority shall provide to each prospective contractor a current list of certified Minority and Women-Owned Business Enterprises. The expected degree of Minority and Women-Owned Business Enterprise participation shall be based, in part, on (i) the potential subcontract opportunities available in the prime procurement contract; and (ii) the availability of certified Minority and Women-Owned Business Enterprises to respond competitively to the potential subcontract opportunities.
- (f) Written solicitations or requests for bids or proposals for Procurement Contracts will include a statement of the Authority's affirmative action policy.
- (g) Allow bidders to count the Minority and Women-Owned Business Enterprise portion of a joint venture towards meeting its minority business enterprise goal.

- (h) For each qualified contract, the Authority shall: (i) consider, where practicable, the severability of construction projects and other bundled contracts; (ii) evaluate the appropriateness of the goal established in the Master Goal Plan; (iii) consider compliance with the requirements of any federal law concerning opportunities for Minority and Women-Owned Business Enterprises which effectuates the purpose of the Authority's policy; and (iv) consult the most recent disparity study pursuant to Article 15-A of the Executive Law.

The Authority may waive obligations of a contractor relating to Minority and Women-Owned Business Enterprise participation after a showing of good faith efforts to comply with the requirements of Article 9 of the Public Authorities Law relative to the waiver provisions contained in § 313(6) and (7) of the Executive Law. In addition, the Authority shall verify that Minority and Women-Owned Business Enterprises listed in a successful bid are actually participating to the extent listed in the project for which the bid was submitted.

The President and CEO of the Authority has general policy responsibility for the Authority's Minority and Women-Owned Business Enterprise program. The Treasurer provides executive oversight and reports to the President, is familiar with the procurement of the types of construction, financial, legal and professional services utilized by the Authority, and participates in the procurement process directly and through designees. The Director of Contract Management, who reports to the Vice President of Operations, shall manage day-to-day responsibilities for M/WBE reporting and implementation. The Authority Counsel's Office shall be responsible for M/WBE legislation oversight and compliance.

Through its program, the Authority endeavors to promote and assist: (i) participation by certified Minority or Women-Owned Business Enterprises in applicable Authority procurement opportunities and facilitation of the award of qualified procurement contracts, as identified by the Director of Contract Management, to such enterprises; (ii) the utilization of certified Minority and Women-Owned Business Enterprises as subcontractors and suppliers by entities having qualified procurement contracts with the Authority; and (iii) the utilization of partnerships, joint ventures or other similar arrangements between certified Minority and Women-Owned Business Enterprises and other entities having qualified procurement contracts with the Authority.

Article VI. Contracts with Former Officers or Employees

6.0 Contracts with former officers or employees of the Authority shall be permitted where the goods, personal services, Authority program work, or other administrative services are to the best advantage of the Authority and the contractual relationship is not otherwise prohibited by law or Authority policy. In particular, any former officer or employee of the Authority shall be held to the restrictions set forth in Public Authorities Law Section 73(8) on receiving compensation for any services rendered with respect to specified types of cases, proceedings, applications, matters, and transactions.

Article VII. New York State Business Enterprises and New York State Residents

7.0 It is the policy of the Authority to promote participation in qualified Procurement or Program Contracts by New York State Business Enterprises and New York State Residents, by encouraging them to compete through measures including, but not limited to:

- (a) Collecting and consulting the specifications of New York State Business Enterprises in developing any specifications for any Procurement or Program Contract for the purchase of goods where possible, practicable, feasible, and consistent with open bidding, except for Procurement or Program Contracts for which the Authority would be expending funds received from another state. The Authority will, where feasible, make use of the stock order specification forms prepared by the Commissioner of General Services and, where necessary, consult with the Commissioner of General Services in developing such specifications and making such determinations.
- (b) With the cooperation of the Department of Economic Development and through cooperative efforts with Contractors, providing for the notification of New York State Business Enterprises of opportunities to participate as subcontractors and suppliers on qualified Procurement Contracts in an amount estimated to be equal to or greater than one million dollars and promulgating procedures which will assure compliance by Contractors with such notification. Once awarded the contract, such Contractors shall document their efforts to encourage the participation of New York State Business Enterprises as subcontractors and suppliers on such qualified Procurement Contracts. Documented efforts by a successful Contractor shall consist of and be limited to showing that such Contractor has (a) solicited bids, in a timely and adequate manner, from New York State Business Enterprises, including certified minority and women-owned businesses, or (b) contacted the New York State Department of Economic Development to obtain listings of New York State Business Enterprises, or (c) placed notices for subcontractors and suppliers in newspapers, journals, and other trade publications circulated in New York State, or (d) participated in bidder outreach conferences. If the Contractor determines that New York State Business Enterprises are not available to participate on the contract as subcontractors or suppliers, the Contractor shall provide a statement indicating the method by which such determination was made. If the Contractor does not intend to use subcontractors on the contract, the Contractor shall provide a statement verifying such intent.
- (c) Except for Procurement Contracts for which the Authority would be expending funds received from another state, including in all bid documents provided to potential bidders a statement that information concerning the availability of New York State subcontractors and suppliers is available from the New York State Department of Economic Development, including the directory of certified minority and women-owned businesses, and that it is the policy of New York State to encourage the use of New York State subcontractors and suppliers and to promote the participation of minority and women-owned businesses, where possible, in the procurement of goods and services.

- (d) With the cooperation of the Community Services Division of the Department of Labor and through cooperative efforts with Contractors, providing for the notification of New York State residents of employment opportunities arising in New York State out of Procurement Contracts in an amount estimated to be equal to or greater than one million dollars; and promulgating procedures that will assure compliance by Contractors with notification by requiring Contractors to submit post-award compliance reports documenting their efforts to provide such notification through listing any such positions with the Community Services Division or providing for such notification in such manner as is consistent with existing collective bargaining contracts or agreements.
- (e) Including in each set of documents soliciting bids on qualified Procurement Contracts a statement notifying potential bidders in foreign countries that the Authority may assign or otherwise transfer offset credits created by such Procurement Contract to third parties located in New York State; providing for the assignment or other form of transfer of offset credits created by such Procurement Contracts, directly or indirectly, to third parties located in New York State, in accordance with the written directions of the Commissioner of Economic Development; and providing for the Authority otherwise to cooperate with the Department of Economic Development in efforts to get foreign countries to recognize offset credits assigned or transferred to third parties located in New York State created by such Procurement Contracts.
- (f) Promulgating procedures that will assure compliance with the federal Equal Employment Opportunity Act of 1972 (Pub. L. 92-261), as amended, by Contractors.

The Authority shall notify the Commissioner of Economic Development of the expected award of any Procurement or Program Contract for the purchase of goods, personal services, Authority program work, or other administrative services from a foreign business enterprise in an amount equal to or greater than one million dollars (\$1,000,000) simultaneously with notifying the successful bidder therefor. The Authority shall not enter into the Procurement or Program Contract until at least fifteen (15) days have elapsed, except for a Procurement Contract awarded on an emergency or critical basis. The notification to the Commissioner shall include the name, address, telephone and facsimile number of the foreign business enterprise, a brief description of the goods or services to be obtained pursuant to the proposed Procurement Contract, the amount of the proposed Procurement Contract, the term of the proposed Procurement Contract, and the name of the individual at the foreign business enterprise or person acting on behalf of the same who is principally responsible for the proposed Procurement Contract. For the purposes of this subdivision, "foreign business enterprise" means a business enterprise, including a sole proprietorship, partnership or corporation, which offers for sale, lease or other form of exchange, goods which are sought by the Authority and which are substantially produced outside New York State, or services, other than construction services, sought by the Authority and which are substantially performed outside New York State. For purposes of construction services, a foreign business enterprise shall mean a business enterprise, including a sole proprietorship, partnership or corporation, which has its principal place of business outside of New York State.

Article VIII. Publication of Notice of Procurement and Program Contracts

8.0 Except as provided in Section 9.1 below, prior to awarding any Procurement or Program Contract, the Authority shall submit to the Commissioner of the Department of Economic Development information on: (i) the contract identification number; (ii) a brief description of the goods or services sought, the location where goods are to be delivered or services provided and the contract term; (iii) the address where bids or proposals are to be submitted; (iv) the date when bids or proposals are due; (v) a description of any eligibility or qualification requirement or preference; (vi) a statement as to whether the contract requirements may be fulfilled by a subcontracting, joint venture, or co-production arrangement; (vii) any other information deemed useful to potential Contractors; and (viii) the name, address, and telephone number of the person to be contacted for additional information. Such information shall be submitted in sufficient time to allow a minimum of fifteen business days between publication of such notice and the date on which a bid or proposal is due, except where a shorter period is specifically authorized by law.

8.1 The provisions of Section 9.0 shall not apply to Procurement or Program Contracts: (i) awarded on an emergency or critical basis, or on the basis that publication is otherwise not feasible, such as those described in Sections 4.2 and 2.11 (ii) - (vi) of these Guidelines; (ii) being re-bid or re-solicited for substantially the same goods or services, within forty-five business days after the date bids or proposals were originally due; or (iii) any other procurements the Commissioner of the Department of Economic Development has determined do not require publication.

Article IX. Reporting of Procurement and Program Contracts

9.0 Procurement Contracts

- (a) As required by Public Authorities Law Section 2879, the Authority shall prepare for approval by the members at their June meeting, or at least annually, a report on Procurement Contracts, for the fiscal year ending March 31 of each year, which report shall include:
- i. The Procurement Contract Guidelines;
 - ii. An explanation of the Guidelines and any amendments since the last annual report on Procurement Contracts;
 - iii. A list of all Procurement Contracts entered into and active during the reporting period. This will include identification of:
 - a. All contracts with New York business enterprises;
 - b. All contracts with foreign business enterprises;
 - c. All contracts with certified Minority or Women-Owned Business Enterprises;
 - d. All contracts with certified Service-Disabled Veteran-Owned Business Enterprises;
 - e. The subject matter and value thereof;

iv. A summary of all Procurement Contracts which were exempt from the publication requirements under article 4-c of the economic development law, the basis for any such exemption and the status of existing Procurement Contracts.

(b) The members' approval of this report, which will include a list of all Procurement Contracts entered into during the prior year which provide for a period of performance by the contractor in excess of one year or which have continued for over one year, will be the members' approval of such individual Procurement Contracts, as required by Public Authorities Law Section 2879(3)(b)(iii).

Upon approval by the members of the Authority, the Authority shall submit the annual report on Procurement Contracts to the Division of the Budget, with copies to the Senate Finance Committee, the Assembly Ways and Means Committee, the Department of Audit and Control, and the Department of Economic Development.

9.1 Program Contracts

(a) The Authority shall prepare for review by the members at their June meeting, or at least annually, a report on Program Contracts, which report shall include description of the program contracting performed by the fiscal year, broken down by portfolio and program, that is sufficient to provide to the members an accurate reflection of the kinds and level of investment made by each of the Authority's programmatic portfolios and programs. Separate from this requirement, the Authority will also make available upon request to the members, a copy of the semi-annual reports that are required to be prepared under Public Authorities Law Section 1867(7).

9.2 The Authority shall make copies of its reports on Procurement and Program Contracts available on its website.

Article X. Miscellaneous Provisions

10.0 No violation of or failure to comply with the provisions of these Guidelines shall be deemed to alter, affect the validity of, modify the terms of, or impair any Procurement or Program Contract; nor shall any provision of these Guidelines or any violation of or failure to comply with such provisions be the basis for any claim against the Authority or any member, officer, or employee of the Authority.

10.1 The members of the Authority may, from time to time, amend these Guidelines, provided that no such amendment shall be deemed to alter, affect the validity of, modify the terms of, or impair any Procurement or Program Contract.

Article XI. Service-Disabled Veteran-Owned Business Enterprises

11.0 It is the policy of the Authority to increase participation of Certified Service-Disabled Veteran-Owned Business (SDVOB) Enterprises in its procurements.

The SDVOB rules and regulations apply to any procurement that conforms to the definition of State Contract as described in the rules and regulations, and as specifically applied to NYSERDA in Article 17-B Section 369-h(6)(d) of New York State Executive Law. State Contract is defined as: a written agreement or purchase order instrument, providing for a total expenditure in excess of \$25,000, whereby a contracting agency is committed to expend or does expend funds in return for labor, services including but not limited to legal, financial and other professional services, commodities, supplies, equipment, materials, technology or any combination of the foregoing, to be performed for, or rendered or furnished to the contracting agency; a written agreement in excess of \$100,000 whereby a contracting agency is committed to expend or does expend funds for the acquisition, construction, demolition, replacement, major repair or renovation of real property and improvements thereon; and, a written agreement in excess of \$100,000 whereby the owner of a State assisted housing project is committed to expend or does expend funds for the acquisition, construction, demolition, replacement, major repair or renovation of real property and improvements thereon for such project.

Article 17-A explicitly applies to NYSERDA only to the extent of State Contracts entered into for its own account or for the benefit of another qualifying state agency.

The Authority endeavors to promote and assist: (i) participation by certified SDVOB Enterprises in qualified Authority procurement opportunities and facilitation of the award of qualified Procurement Contracts to such enterprises; (ii) the utilization of certified SDVOB Enterprises as subcontractors and suppliers by entities having qualified Procurement Contracts with the Authority; and (iii) the utilization of partnerships, joint ventures or other similar arrangements between certified SDVOB Enterprises and other entities having qualified Procurement Contracts with the Authority.

The Authority hereby designates the Division of Service-Disabled Veterans' Business Development (DSDVD) within the New York State Office of General Services to certify and decertify eligible SDVOB Enterprises through a process that meets applicable state requirements.

On an annual basis, the Authority shall establish appropriate agency-specific goals for participation by SDVOB Enterprises in qualified Procurement Contracts awarded by the Authority, and for the utilization of SDVOB Enterprises as subcontractors and suppliers by entities having qualified State Contracts with the Authority pursuant to Article 17-B of the Executive Law and as specifically applied to NYSERDA in Article 17-B Section 369-h(6)(d). In accordance therewith, the Authority shall submit a Master Goal Plan, or Master Goal Plan update, for acceptance by the Division of Service-Disabled Veterans' Business Development.

The Authority shall conduct procurements in a manner that will enable it to achieve the maximum feasible portion of the goals it establishes and that will eliminate barriers to participation by

SDVOB enterprises.

The Authority has three primary options for using SDVOB Enterprises in its procurements: SDVOB Set Asides; SDVOB Contract Goal Setting; and, SDVOB Discretionary Purchasing. It is up to the Authority to determine which option, or combination of options, can best achieve the Authority goals in the Master Goal Plan.

(a) SDVOB Set Asides

- i. Set-asides permit the reservation in whole or in part of certain procurements by the Authority for SDVOBs when more than one SDVOB Enterprise is available and can provide the necessary construction, construction services, non-construction related services (including finance/bond management), technology, commodities, products and other classifications that will facilitate meeting the goal and meeting the Authority's form, function and utility.
- ii. SDVOB Contract Goal Setting
 - i. A required percentage of SDVOB participation may be placed on qualified procurements. Any contract that conforms to the definition of State Contract in Article 17-B of the Executive Law, and as specifically applied to NYSERDA in Article 17-B Section 369-h(6)(d), unless exempt or excluded, may be assessed for SDVOB participation goals.
- iii. SDVOB Discretionary Purchasing
 - i. SDVOB Enterprises may be chosen when making discretionary purchases up to \$200,000, pursuant to Section 4.2(b) of these Guidelines and State Finance Law.

(b) Waivers

- i. An SDVOB waiver is a reduction or elimination of the SDVOB goal that has been established for a qualified contract. The Authority may determine to make such a waiver in the event that it determines that such a waiver is necessary; moreover, it may grant a partial or total waiver of goal requirements established on a State Contract upon the submission of a waiver form by a contractor, documenting good faith efforts, as defined in the regulations, by the contractor to meet the goal requirements of the State Contract. The Authority shall consider the factors set out in the regulations in making its determination to grant or deny the waiver request.

The President and CEO of the Authority has general policy responsibility for the Authority's SDVOB Program. The Treasurer provides executive oversight and reports to the President, is familiar with the procurement of the types of construction, financial, legal and professional services utilized by the Authority, and participates in the procurement process directly and through designees. The Director of Contract Management, who reports to the Vice President of Operations shall manage day-to-day responsibilities for SDVOB reporting and implementation. The Authority Counsel's Office shall be responsible for SDVOB legislation oversight and compliance.

Resolution No. ____

RESOLVED, that the Authority's 2021-2022 Annual Contracts Report, as presented at this meeting, is adopted and approved as the annual report of the Authority required by Section 2800(1)(a)(6) and Section 2879 of the Public Authorities Law; and

BE IT FURTHER RESOLVED, that the “Procurement and Program Contract Guidelines, Operative Policy and Instructions (June 2022)” as presented at this meeting, with such non-substantive, editorial changes and grammatical changes as the President and Chief Executive Officer, in their discretion, may deem necessary or appropriate, are approved and adopted.

Periodic Contracts Approvals

Contracts executed or modified during the period - 3/16/2022 to 5/15/2022

	Count of Contracts	Committed this Period
Procurement Contracts > 1year	44	\$11.2M
Competitive Program Contracts > \$3M	2	\$0.8M
Grand Total	46	\$11.9M

Contracts anticipated to be executed or modified during the period - 3/16/2022 to 5/15/2022

	Count of Contracts	Anticipated Amount
Procurement Contracts > 1year	35	\$16.3M
Competitive Program Contracts > \$3M	7	\$26.0M
Non-competitive Program Contracts > \$1M	0	\$0.0M
Grand Total	42	\$42.4M

NYSERDA PERIODIC CONTRACTS APPROVAL REPORT:
Section 1 Summary - 3/16/2022 to 5/15/2022

Category	Report Type	Type	Count of Contracts	Committed this period
PCMT	Procurement	Competitive	29	\$9,431,845
		Discretionary	8	\$828,303
		Non-Competitive	7	\$911,841
	Total		44	\$11,171,989
PGRM	Procurement	Competitive	2	\$751,375
		Total	2	\$751,375
Grand Total			46	\$11,923,364

Section 1 Summary - Percentages

% Contract Counts Competitively

% of \$Committed this period Competitively

80.56%	91.18%
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NYSERDA PERIODIC CONTRACTS APPROVAL REPORT - 3/16/2022 to 5/15/2022

Category	Initiative	Type	Term > 1 Year	Contract ID	Contractor	Contract Description	Date	Committed this period	Committed to Date	Amt Paid this Period	Amt Paid to Date
PCMT		Competitive	Y	182623	Energy and Environmental Economics Inc.	Value Stack Calculator Support	03/14/2022	\$50,000	\$50,000		
	76 West	Competitive	Y	183260	EME Consulting Engineering Group, LLC	TWO #16 - Innovation APM	03/25/2022	\$189,605	\$189,605		
	CLEAN TRANSPORTATION	Competitive	Y	114065	Center for Sustainable Energy	Centralized Services & Support	05/25/2017	\$776,992	\$1,744,633	\$90,301	\$659,677
	Cleantech Ignition	Competitive	Y	151220	Mintz, Levin, Cohn, Ferris, Glovsky and	RFP 12 - NYGB Legal Services	02/11/2020	\$13,868	\$75,251	\$10,728	\$72,112
	ENERGY ANALYSIS	Competitive	Y	161130	The Cadmus Group, LLC	TWO #10 Climate Facilitation	11/19/2020	\$319,400	\$1,245,072		\$721,884
	ENVIRONMENTAL RESEARCH	Competitive	Y	139864	Abt Associates Inc.	TWO#1 Pathways Health	05/02/2019	\$75,000	\$465,000		\$287,457
		Competitive	Y	177013	Protek Information Technology Services	NYSERDA/DEC AQ Monitoring	11/12/2021	\$50,625	\$8,000,000		
		Discretionary	Y	181166	Bethany Meys	Project Manager I	02/13/2022	\$435,000	\$435,000	\$12,300	\$12,300
		Discretionary	Y	184365	Cornell University	Climate-Adaptive Design	04/15/2022	\$49,725	\$49,725		
	Eval MDCD Cross Cutting	Non-Competiti..	Y	180119	Infogroup Government Division	Data Purchase	01/20/2022	\$475,000	\$475,000	\$95,000	\$95,000
	Home Energy Ratings	Competitive	Y	183445	DNV Energy Insights USA Inc.	TWO #4 Res Audit Rating PY	03/30/2022	\$1,427,210	\$1,427,210		
	Home Perf w Energy Star	Competitive	Y	107771	CLEAResult Consulting, Inc.	Centralized Services & Support	12/08/2016	\$50,000	\$15,400,989	\$255,978	\$11,760,910
	Multifam Performance Pgm	Competitive	Y	ADH0014399	TRC Energy Services	SA.017_TWO #9_MF_APM	02/25/2021	\$138,938	\$177,727	\$12,173	\$50,946
	Nat'l OffShWind R&D Consortium	Competitive	Y	183725	TRC Energy Services	SA.090 - Innovation APM	04/05/2022	\$327,212	\$327,212	\$8,057	\$8,057
	New Construction Housing	Competitive	Y	165248	TRC Energy Services	SA.042_TWO#17b - NCP NYC PM	03/05/2021	\$315,000	\$585,554	\$14,520	\$275,929
		Competitive	Y	ADH0014935	TRC Energy Services	SA.040_TWO #16 - NC PM	01/22/2021	\$123,550	\$123,550		
		Competitive	Y	ADH0014941	TRC Energy Services	SA.042_TWO#17 - NCP NYC PM	12/03/2020	\$340,000	\$617,547	\$17,244	\$205,848
	NEW YORK GREEN BANK	Competitive	Y	149695	Holland & Knight LLP	RFP 12 - NYGB Legal Services	12/31/2019	\$5,380	\$447,792	\$5,380	\$423,845
		Discretionary	Y	166172	Carahsoft Technology Corporation	NYGB Cloud Content Management	03/26/2021	\$20,544	\$59,981	\$20,544	\$59,981
		Non-Competiti..	Y	98838	DealCloud Inc.	DealCloud Licensing	05/24/2016	\$123,628	\$610,478		\$486,850
	NYCH: Critical Tools	Discretionary	Y	169348	Northeast Energy Efficiency Partnerships	Heat Pump Rating	06/08/2021	\$50,000	\$50,000	\$25,000	\$25,000
	NYCH: District	Competitive	Y	ADH0014227	Allegis Group Holdings Inc	SA.005_TWO #2_CHC_PM	02/24/2021	\$383,749	\$387,450		
	NYSERDA ADMINISTRATION	Competitive	Y	124908	First Columbia Property Services, LLC	Property Management	03/27/2018	\$222,967	\$1,206,796	\$35,601	\$883,441
		Competitive	Y	127360	Xerox Corp	NYSERDA ADMINISTRATION	05/30/2018	\$67,200	\$336,302	\$22,521	\$289,959
		Competitive	Y	152608	Marshall & Sterling, Inc.	RFP 4301 Insurance	03/16/2020	\$284,699	\$831,279	\$275,235	\$812,364
		Competitive	Y	159691	CVENT, Inc.	Event Management/Virtual Event	10/19/2020	\$400	\$189,714	\$41,885	\$147,430
		Competitive	Y	179241	Ricoh USA Inc	Sitecore Web CMS Admin	01/04/2022	\$2,600,000	\$2,600,000		
		Competitive	Y	183087	Carahsoft Technology Corporation	Salesforce Marketing Cloud - 1	03/23/2022	\$213,920	\$213,920	\$213,920	\$213,920
		Competitive	Y	183088	SHI, Inc.	Tableau Desktop Maintenance 1	03/23/2022	\$90,354	\$90,354	\$90,354	\$90,354

NYSERDA PERIODIC CONTRACTS APPROVAL REPORT - 3/16/2022 to 5/15/2022

Category	Initiative	Type	Term > 1 Year	Contract ID	Contractor	Contract Description	Date	Committed this period	Committed to Date	Amt Paid this Period	Amt Paid to Date
PCMT	NYSERDA ADMINISTRATION	Competitive	Y	184642	Zones LLC	Webex (Cisco) licensing 1 yr	04/21/2022	\$65,023	\$65,023		
		Discretionary	Y	184052	Integrated Staffing Corporation	TS.027 - CBS APM	04/11/2022	\$232,596	\$232,596		
		Discretionary	Y	184372	ePlus inc	VEEAM Annual Support - 1yr	04/18/2022	\$8,892	\$8,892		
		Discretionary	Y	184647	Maureen Data Systems, Inc.	VMWare Workspace Airwatch - 1	04/21/2022	\$19,606	\$19,606		
		Discretionary	Y	184651	Maureen Data Systems, Inc.	VMWare.Airwatch.Workspace 2.2	04/21/2022	\$11,940	\$11,940		
		Non-Competiti..	Y	170503	Sitecore USA, Inc.	Sitecore CMS Software 1 year	06/30/2021	\$24,750	\$74,250	\$6,577	\$56,077
		Non-Competiti..	Y	182701	NYS Office for Technology	Office 365: 3/15/2022 - 3/23	03/15/2022	\$179,868	\$179,868		
	OREC: Technical Support	Competitive	Y	111619A	The Cadmus Group, LLC	RFP 3462 Umbrella Agreement	08/23/2018	\$365,000	\$365,000	\$0	\$0
		Competitive	Y	182699	Karp Strategies, LLC	NYS OSW Training Efforts	03/15/2022	\$400,000	\$400,000		
		Competitive	Y	184649	BioDiversity Research Institute	TWO 6 ETWG Services	04/21/2022	\$235,755	\$235,755		
	OTHER PROGRAM AREA	Competitive	Y	183155	Bond, Schoeneck & King, PLLC	TWO 7 Legal Services for H2Hub	03/23/2022	\$50,000	\$50,000		
	REV Campus Challenge	Competitive	Y	121106	Meister Consultants Group, Inc.	REV Campus Challenge	11/29/2017	\$250,000	\$836,265	\$10,735	\$498,763
	Single Family New Construction	Non-Competiti..	Y	180892	Passive House Institute US	Strategic Industry Partner Eng	02/07/2022	\$50,000	\$50,000		
WEST VALLEY DEVELOPMENT PROGRAM	Non-Competiti..	Y	53151	GZA GeoEnvironmental of New York	Trench 14 Investigation	11/24/2014	\$38,550	\$798,977		\$745,852	
	Non-Competiti..	Y	153048	McMahon and Mann Consulting Engineers	TWO #6 Engineering Services	03/31/2020	\$20,045	\$363,263	\$20,173	\$363,263	
PGRM	Cleantech EIR	Competitive	Y	128064	The Trustees of Columbia University	PON 3819	06/19/2018	\$105,000	\$6,605,000		\$4,529,150
	LARGE SCALE RENEWABLES	Competitive	Y	67783	APX Inc.	NYGATS	06/24/2015	\$646,375	\$5,075,105	\$257,030	\$4,347,870
Grand Total								\$11,923,364	\$53,784,681	\$1,541,257	\$28,124,241

NYSERDA PERIODIC CONTRACTS APPROVAL REPORT: Contractor Addresses - 3/16/2022 to 5/15/2022

Contractor	SupplierAddress	SupplierCity	SupplierState	SupplierZipCode	Business Type	WBE	MBE	SDVOB	SBE
Abt Associates Inc.	6130 Executive Boulevard	Rockville	MD	20852	FSBE				
Allegis Group Holdings Inc	7301 Parkway Drive	Hanover	MD	21076	FSBE				
APX Inc.	224 Airport Parkway #600	San Jose	CA	95110	FSBE				
Bethany Meys	dba MB Consulting	Gansevoort	NY	12831	NYSBE				
BioDiversity Research Institute	276 Canco Rd Lowr	Portland	ME	04103-4347	FSBE				
Bond, Schoeneck & King, PLLC	22 Corporate Woods Blvd., Ste 501	Albany	NY	12211-2503	NYSBE				
Carahsoft Technology Corporation	11493 Sunset Hills Road	Reston	VA	20190	FSBE				
Center for Sustainable Energy	3980 Sherman St., Ste 170	San Diego	CA	92110	FSBE				
CLEARResult Consulting, Inc.	4301 Westbank Dr., A-150	Austin	TX	78746	FSBE				
Cornell University	341 Pine Tree Road	Ithaca	NY	14850	NYSBE				
CVENT, Inc.	1765 Greensboro Station Pl	Tysons Corner	VA	22102	FSBE				
DealCloud Inc.	300 S. Tryon St., Suite 1200	Charlotte	NC	28202	FSBE				
DNV Energy Insights USA Inc.	1400 Ravello Drive	Katy	TX	77449	FSBE				
EME Consulting Engineering Group, LLC	550 Seventh Avenue 10th Floor	New York	NY	10018	NYSBE				
Energy and Environmental Economics Inc.	2401 E Katella Ave.	Anaheim	CA	92806	FSBE				
ePlus inc	13595 Dulles Technology Dr	Herndon	VA	20171-3413	FSBE				
First Columbia Property Services, LLC	22 Century Hill Dr Ste 301	Latham	NY	12110-2116	NYSBE				
GZA GeoEnvironmental of New York	300 Pearl St., Ste 700	Buffalo	NY	14202	NYSBE				
Holland & Knight LLP	PO Box 864084	Orlando	FL	32886	FSBE				
Infogroup Government Division	1001 Fort Crook Rd.	Bellevue	NE	68046	FSBE				
Integrated Staffing Corporation	463 Maple Avenue	Saratoga Springs	NY	12866	NYSBE	X			
Karp Strategies, LLC	833 President Street	Brooklyn	NY	11215	NYSBE	X			
Marshall & Sterling, Inc.	125 High Rock Ave., Ste 206	Saratoga Springs	NY	12866	NYSBE				
Maureen Data Systems, Inc.	500 West 43rd Street, Apt. 33C	New York	NY	10036	NYSBE	X			
McMahon and Mann Consulting Engineers	2495 Main St, Ste 432	Buffalo	NY	14214-2103	NYSBE				
Meister Consultants Group, Inc.	One Center Plaza, Ste 320	Boston	MA	02108	FSBE				
Mintz, Levin, Cohn, Ferris, Glovsky and	One Financial Center	Boston	MA	02111	FSBE				
Northeast Energy Efficiency Partnerships	81 Hartwell Ave., Ste 220	Lexington	MA	02421-3137	FSBE				
NYS Office for Technology	1 S Swan St Fl 3rd	Albany	NY	12210-2416	NYSBE				
Passive House Institute US	53 W. Jackson Blvd,	Chicago	IL	60604	FSBE				

NYSERDA PERIODIC CONTRACTS APPROVAL REPORT: Contractor Addresses - 3/16/2022 to 5/15/2022

Contractor	SupplierAddress	SupplierCity	SupplierState	SupplierZipCode	Business Type	WBE	MBE	SDVOB	SBE	
Protek Information Technology Services	492 Mitchell Drive	Valley Cottage	NY	10989	NYSBE	X				
Ricoh USA Inc	300 Eagleview Boulevard Suite 200	Exton	PA	19341	FSBE					
SHI, Inc.	P.O. Box 952121	Dallas	TX	75395	FSBE					
Sitecore USA, Inc.	101 California St.	San Francisco	CA	94111	FSBE					
The Cadmus Group, LLC	100 5th Ave., Ste 100	Waltham	MA	02451	FSBE					
The Trustees of Columbia University	1210 Amsterdam Ave	New York	NY	10027-7003	NYSBE					
TRC Energy Services	21 Griffin Rd North	Windsor	CT	06095	FSBE					
Xerox Corp	800 Phillips Rd	Webster	NY	14580	NYSBE					
Zones LLC	1102 15th St. SW. STE 102	Auburn	WA	98001	FSBE					

NYSERDA PERIODIC CONTRACTS APPROVAL REPORT: Anticipated Contracts - 3/16/2022 to 5/15/2022

Category	Type	Term > 1 Year	Contract ID	Contractor	Contract Description	Reason	Date	Anticipated Amount	Total Contract Amount
PCMT	Competitive	Y	30191	Abt Associates Inc.	Flex Energy Tech Analysis 2	Added New Tasks	11/09/2012	\$100,000	\$970,943
	Competitive	Y	98839A	Advent Software Luxembourg S A R L	Fund Administration/Loan Inves	Added New Tasks	04/08/2020	\$5,000	\$5,000
	Competitive	Y	104542	The Cadmus Group, LLC	RFQ3183 Umbrella Agreement	Added New Tasks	10/05/2016	\$82,407	\$2,484,151
	Competitive	Y	109917	BDO USA LLP	Background Investigation Servi	Added New Tasks	02/07/2017	\$9,800	\$178,570
	Competitive	Y	116844	CLEAResult Consulting, Inc.	Technical Support SFR	New Agreement	08/09/2017	\$7,943,476	\$23,459,887
	Competitive	Y	118163	D.L. English Consulting, Inc.	Indian Point Consultant	Added New Tasks	09/13/2017	\$50,000	\$406,475
	Competitive	Y	143834	Allegis Group Holdings Inc	SA.054_TWO #9 - SFR PM	Added New Tasks	08/16/2019	\$100,000	\$732,463
	Competitive	Y	153100	Knoll, Inc.	Furniture for Green Bank Offii	Added New Tasks	04/02/2020	\$1,780	\$187,328
	Competitive	Y	155547	Green Light New York, Inc.	Energy Efficiency Training TWO	Added New Tasks	07/08/2020	\$129,150	\$558,972
	Competitive	Y	172316	Battelle Memorial Institute	TWO #2 NYStretch Comm Modeling	Added New Tasks	08/04/2021	\$44,933	\$240,868
	Competitive	Y	181430	SS&C Technologies, Inc.	RFP #20: Fund Admin	New Agreement	02/18/2022	\$3,000,000	\$3,000,000
	Competitive	Y	182702	The Cadmus Group, LLC	TWO #1 BEEM Revision	Added New Tasks	03/15/2022	\$250,000	\$250,000
	Competitive	Y	182703	Energy and Environmental Economics Inc.	TWO #3 Complement. Analysis	Added New Tasks	03/15/2022	\$300,000	\$300,000
	Competitive	Y	184051	Kelliher Samets LTD	TWO 1 - DAC Outreach	Added New Tasks	04/11/2022	\$107,610	\$107,610
	Competitive	Y	184364	Henningson, Durham & Richardson PC	TWO #2 HDR Port Liaison	Added New Task	04/15/2022	\$500,000	\$500,000
	Competitive	Y	185005	Technology Professionals Group Inc.	TWO # 2 Microsoft Architect	Added New Tasks	04/28/2022	\$24,800	\$24,800
	Competitive	Y	185454	KPMG LLP	NYSERDA Audit Services	New Agreement	05/06/2022	\$671,000	\$671,000
	Competitive	Y	185501	Raj Technologies Inc.	Private Cloud Hosting	New Agreement	05/06/2022	\$1,345,963	\$1,345,963
	Competitive	Y	185596	Apprise, Incorporated	TWO 2 - APPRISE MF LCP Survey	Added New Tasks	05/09/2022	\$332,939	\$332,939
	Competitive	Y	185803	Brattle Group Inc.	TWO #1 NYISO Consult Support	Added New Tasks	05/11/2022	\$100,000	\$100,000
	Competitive	Y	185804	SHI, Inc.	Adobe Acrobat.Creative license	New Agreement	05/11/2022	\$65,701	\$65,701
	Competitive	Y	ADH0014924	TRC Energy Services	SA.041_TWO#14 - NCP PM	New Agreement	11/30/2020	\$300,000	\$719,522
	Competitive	Y	ADH0014941	TRC Energy Services	SA.042_TWO#17 - NCP NYC PM	New Agreement	12/03/2020	\$300,000	\$917,547
	Discretionary	Y	128474-1	Bloomberg Finance LP	Bloomberg Datafeed Access	New Agreement	01/11/2019	\$24,240	\$104,564
	Discretionary	Y	129937	TRC Energy Services	Program Tool Services for MPP	Added New Tasks	08/10/2018	\$50,000	\$100,000
	Discretionary	Y	164915	West Publishing Corporation	Westlaw Core Plan platform	New Agreement	02/25/2021	\$9,460	\$54,780
	Discretionary	Y	174684	Pivotal 180, LLC	NYGB New Hire Course	New Agreement	09/28/2021	\$8,160	\$38,160
	Discretionary	Y	176754	American Council for an Energy Efficient	ACEEE 2022 Sponsored Research	New Agreement	11/08/2021	\$40,000	\$40,000
	Discretionary	Y	183154	ACEEE	Industrial Heat Pump Phase 2	New Agreement	03/23/2022	\$35,000	\$35,000
	Discretionary	Y	184448	Rise to Equity Excellence, LLC	DEI Training Plan	New Agreement	04/19/2022	\$114,240	\$114,240
Discretionary	Y	184797	Cornell University	Fish Mercury Climate Study	New Agreement	04/25/2022	\$26,168	\$26,168	
Non-Competitive	Y	156808	Abt Associates Inc.	TWO 2 formerly 30191 TWO #5	Added New Tasks	08/10/2020	\$100,000	\$304,763	

NYSERDA PERIODIC CONTRACTS APPROVAL REPORT: Anticipated Contracts - 3/16/2022 to 5/15/2022

Category	Type	Term > 1 Year	Contract ID	Contractor	Contract Description	Reason	Date	Anticipated Amount	Total Contract Amount
PCMT	Non-Competitive	Y	178067	New York State Builders Association	Single Family New Construction	New Agreement	12/07/2021	\$50,000	\$50,000
	Non-Competitive	Y	184650	Meltwater News US Inc.	Meltwater News US Inc	New Agreement	04/21/2022	\$60,000	\$60,000
	Non-Competitive	Y	185081	Passive House Accelerator LLC	Strategic Industry Partner Eng	New Agreement	04/28/2022	\$50,000	\$50,000
PGRM	Competitive	Y	135614	L&S Energy Services, Inc.	L&S GJGNY Energy Audits	Added New Tasks	12/28/2018	\$1,239,839	\$3,894,949
	Competitive	Y	155908	Central New York Regional Planning and	Clean Energy Communities	New Agreement	07/17/2020	\$1,983,292	\$3,484,811
	Competitive	Y	167521	Alliance for Sustainable Energy, LLC	TWO #7 T&D Tool Dev Co-Optimiz	New Agreement	04/26/2021	\$2,280,000	\$3,580,000
	Competitive	Y	168772	ChargePoint, Inc.	DCFC - VW Settlement	New Agreement	05/24/2021	\$5,519,294	\$5,519,294
	Competitive	Y	178607	Trinity Hudson Holdings, LLC	EBC Phase 2 - Trinity Hudson	New Agreement	12/16/2021	\$5,000,000	\$5,000,000
	Competitive	Y	178680	Omni New York LLC	EBC Phase 2 - Omni	New Agreement	12/17/2021	\$5,000,000	\$5,000,000
	Competitive	Y	178681	Heritage Holdings, LLC	EBC Phase 2 -Heritage Holdings	Added New Tasks	12/17/2021	\$5,000,000	\$5,000,000
Grand Total								\$42,354,252	\$70,016,469

NYSERDA PERIODIC CONTRACTS APPROVAL REPORT:
Section 1 Summary - 3/16/2022 to 5/15/2022

Category	Report Type	Type	Count of Contracts	Committed this period
PGRM	Program	Competitive	725	\$42,046,617
		Non-Competitive	2	\$280,000
Total			727	\$42,326,617
Grand Total			727	\$42,326,617

Section 1 Summary - Percentages

% Contract Counts Competitively

% of \$Committed this period Competitively

99.72%	99.34%
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NYSERDA PERIODIC PROGRAM REPORT

3/16/2022 to 5/15/2022

Table: All Market Focus Committed this Period

MarketFocus	Count of Contracts	Committed this period
Agriculture	4	\$18,984
Anaerobic Digesters	2	\$781,513
Building Innovation	2	\$583,009
Clean Heating and Cooling	9	\$1,027,800
Clean Trans (Innov & Research)	9	\$4,399,800
Codes	8	\$1,559,656
Commercial	50	\$3,919,006
Communities and Local Governme	16	\$683,822
Energy Storage	28	\$173,800
Energy-Reltd Environmental Res	1	\$499,818
Evaluation	4	\$98,306
Grid Modernization	1	\$774,985
Industrial	7	\$4,174,302
Innovation	5	\$608,922
Large Scale Renewables	13	\$2,804,261
LMI	43	\$8,412,836
Multifamily (Mkt Rate Only)	32	\$1,410,342
New Construction	6	\$203,311
NY-Sun	520	\$17,163,193
Renewables Optimization	3	\$1,867,953
Saratoga Tech & Energy Park	1	\$30,000

NYSERDA PERIODIC PROGRAM REPORT

3/16/2022 to 5/15/2022

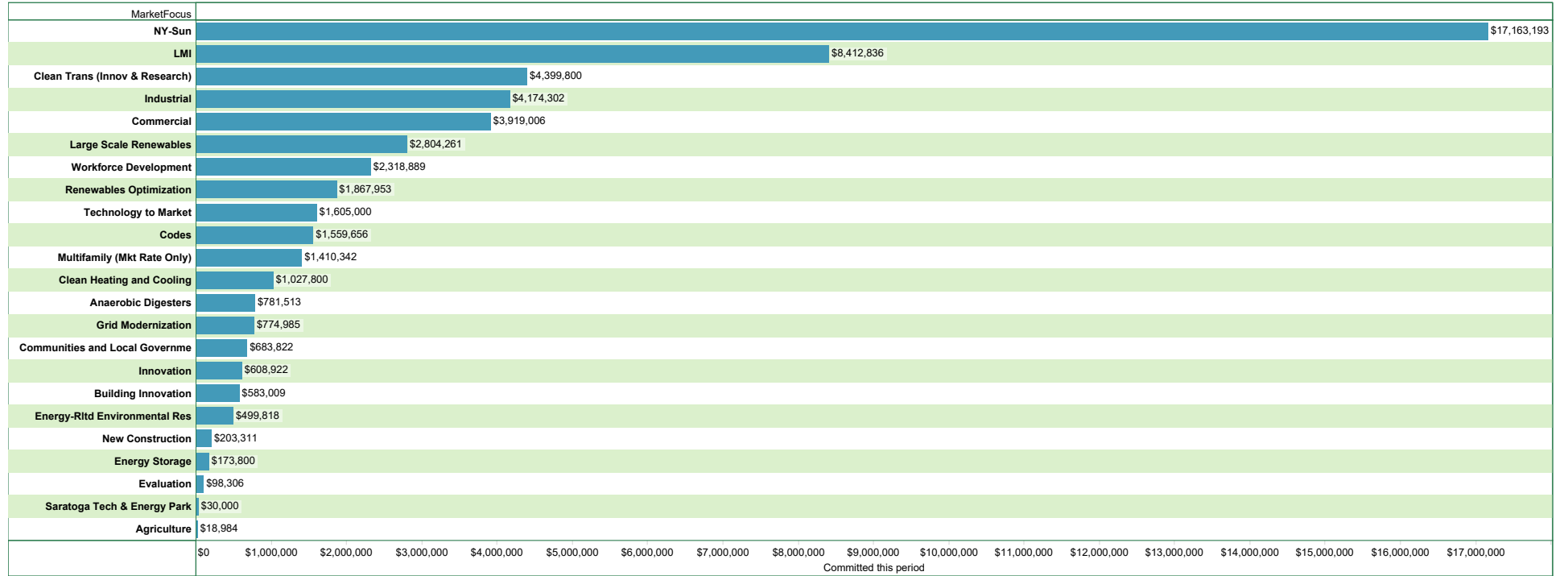
Table: All Market Focus Committed this Period

MarketFocus	Count of Contracts	Committed this period
Technology to Market	4	\$1,605,000
Workforce Development	75	\$2,318,889
Grand Total	843	\$55,119,508

NYSERDA PERIODIC PROGRAM REPORT

3/16/2022 to 5/15/2022

Graph: All Market Focus Committed this Period



NYSDERDA PERIODIC PROGRAM REPORT
3/16/2022 to 5/15/2022
Table: By REDC Region and County

REDC Region	County	Count of Contracts	Committed this period
Capital Region	Albany	22	\$2,144,816
	Columbia	10	\$73,740
	Greene	9	\$75,125
	Rensselaer	8	\$584,274
	Saratoga	12	\$814,443
	Schenectady	6	\$475,450
	Warren	2	\$39,564
	Washington	1	\$5,340
	Total	70	\$4,212,752
Central New York	Cayuga	4	\$558,313
	Cortland	2	\$165,527
	Madison	4	\$70,560
	Onondaga	31	\$382,990
	Oswego	5	\$285,278
	Total	46	\$1,462,668
Finger Lakes	Genesee	5	\$52,269
	Livingston	2	\$12,600
	Monroe	34	\$3,387,156
	Ontario	14	\$524,705
	Seneca	1	\$6,750
	Wayne	10	\$80,750

NYSDA PERIODIC PROGRAM REPORT
3/16/2022 to 5/15/2022
Table: By REDC Region and County

REDC Region	County	Count of Contracts	Committed this period
Finger Lakes	Wyoming	4	\$378,730
	Total	70	\$4,442,960
Long Island	Nassau	14	\$102,970
	Suffolk	17	\$251,030
	Total	31	\$354,000
Mid-Hudson	Dutchess	87	\$2,408,280
	Orange	83	\$1,695,397
	Putnam	16	\$115,294
	Rockland	32	\$334,752
	Sullivan	11	\$119,025
	Ulster	50	\$1,720,948
	Westchester	19	\$3,535,236
	Total	298	\$9,928,932
Mohawk Valley	Fulton	1	\$10,125
	Herkimer	5	\$71,814
	Montgomery	5	\$34,445
	Oneida	19	\$2,009,095
	Otsego	3	\$20,156
	Schoharie	4	\$31,618
	Total	37	\$2,177,253
New York City	Bronx	9	\$261,108

NYSERDA PERIODIC PROGRAM REPORT
3/16/2022 to 5/15/2022
Table: By REDC Region and County

REDC Region	County	Count of Contracts	Committed this period
New York City	Kings	24	\$1,176,619
	New York	33	\$2,865,392
	Queens	24	\$1,219,914
	Richmond	12	\$123,632
	Total	102	\$5,646,665
North Country	Clinton	1	\$6,200
	Essex	1	\$44,149
	Franklin	3	\$138,625
	Jefferson	2	\$12,793
	Lewis	3	\$47,553
	St. Lawrence	3	\$102,151
	Total	13	\$351,471
Southern Tier	Broome	12	\$2,295,456
	Chemung	3	\$20,460
	Chenango	1	\$5,700
	Delaware	2	\$13,658
	Schuyler	1	\$5,670
	Steuben	2	\$57,872
	Tioga	3	\$15,455
	Tompkins	10	\$526,297
	Total	34	\$2,940,568

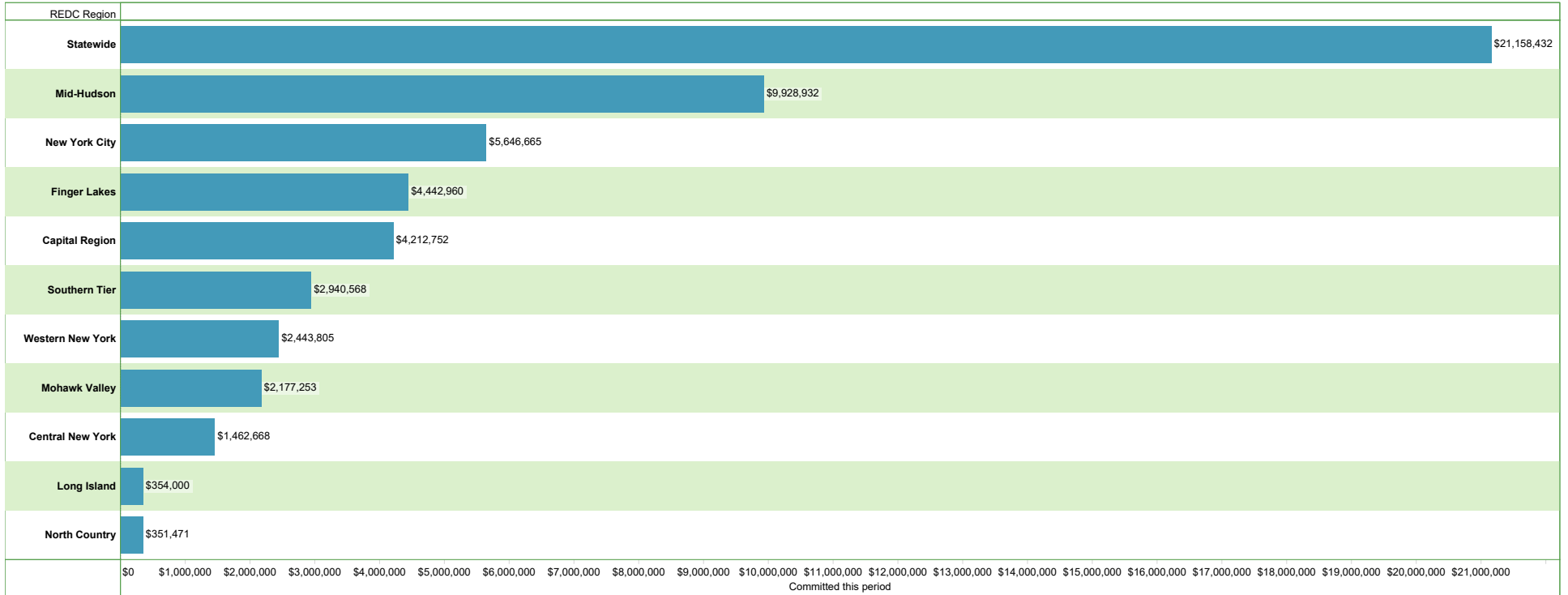
NYSERDA PERIODIC PROGRAM REPORT
3/16/2022 to 5/15/2022
Table: By REDC Region and County

REDC Region	County	Count of Contracts	Committed this period
Statewide	STATEWIDE	70	\$21,158,432
	Total	70	\$21,158,432
Western New York	Allegany	3	\$29,187
	Cattaraugus	4	\$58,225
	Chautauqua	7	\$69,344
	Erie	27	\$1,869,014
	Niagara	13	\$418,036
	Total	54	\$2,443,805
Grand Total		825	\$55,119,508

NYSERDA PERIODIC PROGRAM REPORT

3/16/2022 to 5/15/2022

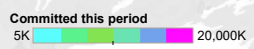
Graph: By REDC Region



NYSDA PERIODIC PROGRAM REPORT
3/16/2022 to 5/15/2022
Table: By Electric Utility

Electric Utility	Count of Contracts	Committed this period
Null	2	\$71,634
Central Hudson Gas and Electric	181	\$4,635,379
Consolidated Edison	115	\$ 7,954,693
Long Island Power Authority	30	\$347,750
Municipal Utilities	4	\$75,894
National Grid	178	\$9,125,964
NYS Electric and Gas	131	\$8,840,784
Orange and Rockland Utilities	73	\$714,998
Rochester Gas and Electric	43	\$2,825,613
Statewide	70	\$21,158,432
Grand Total	825	\$55,319,508

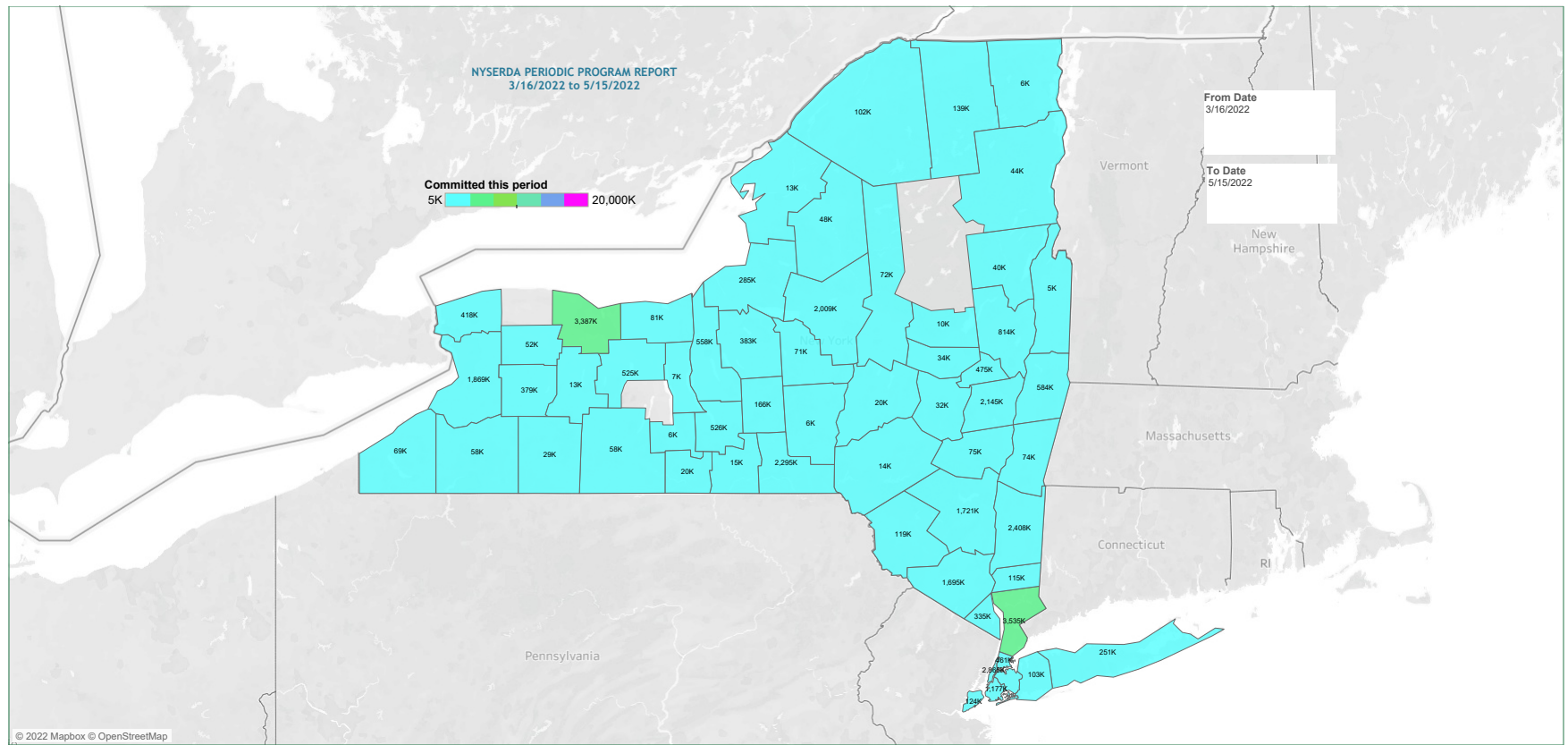
NYSDA PERIODIC PROGRAM REPORT
3/16/2022 to 5/15/2022



From Date
3/16/2022

To Date
5/15/2022

Report Type
 Procurement
 Program



Resolution No. ____

RESOLVED, that the Periodic Contracts Report, covering the period March 16, 2022 through May 15, 2022, as presented at this meeting, including but not limited to the contracts identified therein which have been, or are expected to be, executed and which do have, or are expected to have, a period of performance in excess of one year, is hereby approved in accordance with Public Authorities Law Section 2879.

ANNUAL PROMPT PAYMENT POLICY REPORT

FISCAL YEAR ENDED MARCH 31, 2022

NEW YORK STATE ENERGY RESEARCH
AND DEVELOPMENT AUTHORITY

ANNUAL PROMPT PAYMENT POLICY REPORT

FISCAL YEAR ENDED MARCH 31, 2022

NEW YORK STATE ENERGY RESEARCH
AND DEVELOPMENT AUTHORITY

Section 2880 of the Public Authorities Law requires each public authority to prepare an annual report on the implementation of its prompt payment policy. This report for the New York State Energy Research and Development Authority covers the period April 1, 2021, through March 31, 2022.

The Members of the Authority adopted a resolution establishing its prompt payment policy, effective January 1, 1989. The rules and regulations detailing the Authority's prompt payment policy are contained in its Prompt Payment Policy Statement (21 NYCRR Part 504). The Authority is required to make payment to contractors and vendors within 30 days on all valid invoices received. If the Authority fails to make payment on amounts properly due and owing within 30 days, interest on the late payment is to be calculated at the rate prescribed by Section 2880. When the amount of interest computed equals or exceeds ten dollars, that amount of interest must be paid to the contractor.

Section 2880 requires that the annual report include the following:

1. Listing of the types and categories of contracts that the Authority entered into during the twelve month period covered by this report:

359	procurement contracts goods contracts;
<u>3,545</u>	program contracts
3,904	Total

During the reporting period, the Authority processed a total of 100,834 vendor invoices for payment.

2. Number and amount of all interest payments: See attached table
3. Number of interest chargeable days and total number of days taken to process each late contract payment: See attached table
4. Principal reasons that the late payments occurred:

The four exceptions were the result of isolated human error made in the processing of the

invoices. Given that these exceptions were isolated in occurrence and extremely small in number, and given that in all instances the exceptions did not result in the Authority incurring late payment interest charges, the Authority believes its existing systems and processes are sufficient to provide compliance with the Prompt Payment Policy.

Table 1 Prompt payment detail

Number	Name	Invoice Amount	Days taken to process payment	Interest chargeable days	Interest payment	Comment
1	TRC Energy Services	\$10,417.03	65	33	\$0.00	Vendor Waived Interest of \$28.65
2	Kelliher Samets LTD.	\$3,626.96	56	23	\$0.00	Interest less than \$10
3	CEC Stuyvesant Cove, Inc.	\$24,527.08	48	14	\$0.00	Vendor Waived Interest of \$28.61
4	Code Green Solutions, Inc.	\$2,225.00	47	11	\$0.00	Interest less than \$10
Total					\$0.00	

EXHIBIT D

PART 504

PROMPT PAYMENT POLICY STATEMENT

Section 504.1 Purpose and applicability. (a) The purpose of this Part is to implement section 2880 of the Public Authorities Law by detailing the authority's policy for making payment promptly on amounts properly due and owing by the authority under contracts. This Part constitutes the authority's prompt payment policy statement as required by that section.

(b) This Part generally applies to payments due and owing by the authority to a person or business in the private sector under a contract it has entered into with the authority on or after May 1, 1988. This Part does not apply to payments due and owing:

- (1) under the Eminent Domain Procedure Law;
- (2) as interest allowed on judgments rendered by a court pursuant to any provision of law except Section 2880 of the Public Authorities Law;
- (3) to the Federal government; to any state agency or its instrumentalities; to any duly constituted unit of local government, including but not limited to counties, cities, towns, villages, school districts, special districts or any of their related instrumentalities; to any other public authority or public benefit corporation; or to its employees when acting in, or incidental to, their public employment capacity;
- (4) if the Authority is exercising a legally authorized set-off against all or part of the payment; or
- (5) if other State or Federal law or rule or regulation specifically requires otherwise.

Section 504.2 Definitions. As used in this Part, the following terms shall have the following meanings, unless the context shall indicate another or different meaning or intent:

- (a) "Authority" means the New York State Energy Research and Development Authority.
- (b) "Contract" means an enforceable agreement entered into between the Authority and a contractor.
- (c) "Contractor" means any person, partnership, private corporation, or association:
 - (1) selling materials, equipment or supplies or leasing property or equipment to the Authority pursuant to a contract;

(2) constructing, reconstructing, rehabilitating or repairing buildings, highways or other improvements for, or on behalf of, the Authority pursuant to a contract; or

(3) rendering or providing services to the Authority pursuant to a contract.

(d) "Date of payment" means the date on which the Authority requisitions a check from its statutory fiscal agent, the Department of Taxation and Finance, to make a payment.

(e) "Designated payment office" means the Office of the Authority's Controller, located at 17 Columbia Circle, Albany, New York 12203.

(f) "Payment" means provision by the Authority of funds in an amount sufficient to satisfy a debt properly due and owing to a contractor and payable under all applicable provisions of a contract to which this Part applies and of law, including but not limited to provisions for retained amounts or provisions which may limit the Authority's power to pay, such as claims, liens, attachments or judgments against the contractor which have not been properly discharged, waived or released.

(g) "Prompt payment" means a payment within the time periods applicable pursuant to Sections 504.3 through 504.5 of this Part in order for the Authority not to be liable for interest pursuant to Section 504.6.

(h) "Payment due date" means the date by which the date of payment must occur, in accordance with the provisions of Sections 504.3 through 504.5 of this Part, in order for the Authority not to be liable for interest pursuant to Section 5.06.

(i) "Proper invoice" means a written request for a contract payment that is submitted by a contractor setting forth the description, price or cost, and quantity of goods, property or services delivered or rendered, in such form, and supported by such other substantiating documentation, as the Authority may reasonably require, including but not limited to any requirements set forth in the contract; and addressed to the Authority's Controller, marked "Attention: Accounts Payable," at the designated payment office.

(j)(1) "Receipt of an invoice" means:

(i) if the payment is one for which an invoice is required, the later of:

(a) the date on which a proper invoice is actually received in the designated payment office during normal business hours; or

(b) the date by which, during normal business hours, the Authority has actually received all the purchased goods, property or services covered by a proper invoice previously received in the designated payment office.

(ii) if a contract provides that a payment will be made on a specific

date or at a predetermined interval, without having to submit a written invoice the 30th calendar day, excluding legal holidays, before the date so specified or predetermined.

(2) For purposes of this subdivision, if the contract requires a multifaceted, completed or working system, or delivery of no less than a specified quantity of goods, property or services and only a portion of such systems or less than the required goods, property or services are working, completed or delivered, even though the Contractor has invoiced the Authority for the portion working, completed or delivered, the Authority will not be in receipt of an invoice until the specified minimum amount of the systems, goods, property or services are working, completed or delivered.

(k) "Set-off" means the reduction by the Authority of a payment due a contractor by an amount equal to the amount of an unpaid legally enforceable debt owed by the contractor to the Authority.

Section 504.3 Prompt payment schedule. Except as otherwise provided by law or regulation or in Sections 504.4 and 504.5 of this Part, the date of payment by the Authority of an amount properly due and owing under a contract shall be no later than 30 calendar days, excluding legal holidays, after such receipt.

Section 504.4 Payment procedures.

(a) Unless otherwise specified by a contract provision, a proper invoice submitted by the contractor to the designated payment office shall be required to initiate payment for goods, property or services. As soon as any invoice is received in the designated payment office during normal business hours, such invoice shall be date-stamped. The invoice shall then promptly be reviewed by the Authority.

(b) The Authority shall notify the contractor within 15 calendar days after receipt of an invoice of:

- (1) any defects in the delivered goods, property or services;
- (2) any defects in the invoice; and
- (3) suspected improprieties of any kind.

(c) The existence of any defects or suspected improprieties shall prevent the commencement of the time period specified in Section 504.3 until any such defects or improprieties are corrected or otherwise resolved.

(d) If the Authority fails to notify a contractor of a defect or impropriety within the fifteen calendar day period specified in subdivision (b) of this section, the sole effect shall be that the number of days allowed for payment shall be reduced by the number of days between the 15th day and the day that notification was transmitted to the contractor. If the Authority fails to provide reasonable grounds for its contention that a defect or impropriety exists, the sole

effect shall be that the payment due date shall be calculated using the original date of receipt of an invoice.

(e) In the absence of any defect or suspected impropriety, or upon satisfactory correction or resolution of a defect or suspected impropriety, the Authority shall make payment, consistent with any such correction or resolution and the provisions of this Part.

Section 504.5 Exceptions and extension of payment due date. The Authority has determined that, notwithstanding the provisions of Sections 504.3 and 504.4 of this Part, any of the following facts or circumstances, which may occur concurrently or consecutively, reasonably justify extension of the payment due date:

(a) If the case of a payment which a contract provides will be made on a specific date or at a predetermined interval, without having to submit a written invoice, if any documentation, supporting data, performance verification, or notice specifically required by the contract or other State or Federal mandate has not been submitted to the Authority on a timely basis, then the payment due date shall be extended by the number of calendar days from the date by which all such matter was to be submitted to the Authority and the date when the Authority has actually received such matter.

(b) If an inspection or testing period, performance verification, audit or other review or documentation independent of the contractor is specifically required by the contract or by other State or Federal mandate, whether to be performed by or on behalf of the Authority or another entity, or is specifically permitted by the contract or by other State or Federal provision and the Authority or other entity with the right to do so elects to have such activity or documentation undertaken, then the payment due date shall be extended by the number of calendar days from the date of receipt of an invoice to the date when any such activity or documentation has been completed, the Authority has actually received the results of such activity or documentation conducted by another entity, and any deficiencies identified or issues raised as a result of such activity or documentation have been corrected or otherwise resolved.

(c) If an invoice must be examined by a State or Federal agency, or by another party contributing to the funding of the contract, prior to payment, then the payment due date shall be extended by the number of calendar days from the date of receipt of an invoice to the date when the State or Federal agency, or other contributing party to the contract, has completed the inspection, advised the Authority of the results of the inspection, and any deficiencies identified or issues raised as a result of such inspection have been corrected or otherwise resolved.

(d) If appropriated funds from which payment is to be made have not yet been appropriated or, if appropriated, not yet been made available to the Authority, then the payment due date shall be extended by the number of calendar days from the date of receipt of an invoice to the date when such funds are made available to the Authority.

Section 504.6 Interest eligibility and computation. If the Authority fails to make prompt payment, the Authority shall pay interest to a contractor on the payment when such interest computed as provided herein is equal to or more than ten dollars. Interest shall be computed

and accrue at the daily rate in effect on the date of payment, as set by the New York State Tax Commission for corporate taxes pursuant to Section 1096(e)(1) of the Tax Law. Interest on such a payment shall be computed for the period beginning on the day after the payment due date and ending on the date of payment.

Section 504.7 Sources of funds to pay interest. Any interest payable by the Authority pursuant to this Part shall be paid only from the same accounts, funds, or appropriations that are lawfully available to make the related contract payment.

Section 504.8 Incorporation of prompt payment policy statement into contracts. The provisions of this Part in effect at the time of the creation of a contract shall be incorporated into and made a part of such contract and shall apply to all payments as they become due and owing pursuant to the terms and conditions of such contract, notwithstanding that the Authority may subsequently amend this Part by further rulemaking.

Section 504.9 Notice of objection. Unless a different procedure is specifically prescribed in a contract, a contractor may object to any action taken by the Authority pursuant to this Part which prevents the commencement of the time in which interest will be paid by submitting a written notice of objection to the Authority. Such notice shall be signed and dated and concisely and clearly set forth the basis for the objection and be addressed to the Vice President, New York State Energy Research and Development Authority, at the address set forth in Section 504.2(e). The Vice President of the Authority, or his or her designee, shall review the objection for purposes of affirming or modifying the Authority's action. Within 15 working days of the receipt of the objection, the Vice President, or his or her designee, shall notify the contractor either that the Authority's action is affirmed or that it is modified or that, due to the complexity of the issue, additional time is needed to conduct the review; provided, however, in no event shall the extended review period exceed 30 working days.

Section 504.10 Judicial Review. Any determination made by the Authority pursuant to this Part which prevents the commencement of the time in which interest will be paid is subject to judicial review in a proceeding pursuant to Article 78 of the Civil Practice Law and Rules. Such proceedings shall only be commenced upon completion of the review procedure specified in Section 504.9 of this Part or any other review procedure that may be specified in the contract or by other law, rule, or regulation.

Section 504.11 Court action or other legal processes.

(a) Notwithstanding any other law to the contrary, the liability of the Authority to make an interest payment to a contractor pursuant to this Part shall not extend beyond the date of a notice of intention to file a claim, the date of a notice of a claim, or the date commencing a legal action for the payment of such interest, whichever occurs first.

(b) With respect to the court action or other legal processes referred to in subdivision (a) of this section, any interest obligation incurred by the Authority after the date specified therein pursuant to any provision of law other than Public Authorities Law Section 2880 shall be determined as prescribed by such separate provision of law, shall be paid as directed by the

court, and shall be paid from any source of funds available for that purpose.

Section 504.12 Amendments. These regulations may be amended by resolution of the Authority, provided that the Chair, upon written notice to the other Members of the Authority, may from time to time promulgate nonmaterial amendments of these regulations.

Resolution No. _____

RESOLVED, that the Annual Prompt Payment Policy Report presented to the Members of the Authority at this June 28, 2022 meeting is adopted and approved as the annual report required by Section 2880 of the Public Authorities Law.