

# Integrated Energy Data Resource (IEDR) Program

Quarterly Report Through September 30, 2021

Final Report | October 2021

## **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.



# **Integrated Energy Data Resource (IEDR) Program**

## **Quarterly Report through September 30, 2021**

*Final Report*

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Albany, NY

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## **Abstract**

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The Integrated Energy Data Resource (IEDR) Quarterly Report is intended to inform the Public Service Commission (PSC), market participants, and additional parties interested in the progress of the IEDR program. More specifically, this report provides information on progress made in achieving the IEDR program's stated goals and objectives.

## **Keywords**

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Integrated Energy Data Resource, IEDR, use case, IEDR Advisory Group, IEDR Steering Committee, Utility Coordination Group

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# 1 Background

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New York State is transforming its electricity system into one that is cleaner, more resilient, and more affordable. Effective access to useful energy-related data is required to enable achievement of the State's energy policy goals. The urgency of providing this data has increased with the recent adoption of the Climate Leadership and Community Protection Act (Climate Act).

On February 11, 2021, the New York Public Service Commission (PSC) issued its order implementing an integrated energy data resource<sup>1</sup> (IEDR Order) and directed the implementation of an IEDR to securely collect, integrate, and provide broad and appropriate access to large and diverse sets of useful energy-related information on one statewide data platform. The IEDR Order designated The New York State Energy Research and Development Authority (NYSERDA) as the IEDR Program Sponsor responsible for defining, initiating, overseeing, and facilitating the IEDR program on behalf of New York State.

The IEDR Order directs NYSEDA to file quarterly reports in this proceeding, with reports filed at the end of April, July, October, and January for the prior quarter, including information from the Program Manager monthly reports, addressing all aspects of the IEDR program. As directed, these program reports will, in the context of the schedule and budget, describe and explain (where necessary) the program's accomplishments and expenditures to date, current work and expenditures in progress, the latest program risk assessment and mitigation plan, and upcoming work and expenditures.

In issuing the IEDR Order, the PSC adopted the detailed approach and plan for the establishment of an IEDR presented in a Whitepaper published by the Staff of the Department of Public Service (DPS) in May 2020.<sup>2</sup>

The IEDR Order articulated the foundational principles for the development of the IEDR through the entire life cycle of the initiative and stated that the IEDR will be guided by the policy of obtaining the best overall value for New York State. This involved stakeholders to accelerate implementation timelines, reduce initiative costs and risks, and protect the agreed-upon scope by partnering with high-quality service providers aligning with the State's values.<sup>3</sup>

NYSERDA, as the Program Sponsor, has established a process that is based on three commitments:

1. Effective and extensive collaboration with and among stakeholders, including the State's utilities.
2. Procuring the services of individuals and organizations that possess the necessary expertise and experience in the development, implementation, and operation of a data platform of similar scale and scope.
3. Unambiguous regulatory requirements including firm schedules and milestones.

On April 15, 2021, the PSC issued an order to establish a uniform and comprehensive Data Access Framework to govern the means and methods for accessing and protecting all types of energy-related information.<sup>4</sup> This order was based on DPS Staff recommendations.<sup>5</sup> Accordingly, all aspects of designing and operating the IEDR will comply with any such framework that the PSC may establish.

The IEDR Order designated NYSERDA to assume the role of the IEDR Program Sponsor and assigned responsibility for defining, initiating, overseeing, and facilitating the IEDR program on behalf of the State. The Program Sponsor's principal duties include the following:

1. Creating the Program Charter to formally establish the IEDR Program's purpose, scope, guiding principles, objectives, participants, roles, and responsibilities.
2. Organizing the membership and initial meeting schedule for an IEDR Steering Committee.
3. Organizing the membership and initial meeting schedule for an IEDR Program Advisory Group.
4. Organizing the membership and initial meeting schedule for an IEDR Program Utility Coordination Group.
5. Specifying, procuring, and administering the services provided by a professional Program Manager.
6. Providing the means and methods for expending the PSC-directed funding related to the program and reporting of such expenditures and IEDR program progress.
7. Ensuring robust stakeholder engagement throughout the life of the IEDR program through multiple means of communication.
8. Monitoring adherence to the Program Charter by all program participants.
9. Helping the Program Manager investigate and resolve issues that could negatively affect the program's costs, schedule, or benefits.

The IEDR Order establishes the regulatory expectation that the IEDR will enable approximately 50 use cases over Phase 1 and Phase 2 and specific deadlines for achieving minimum performance capabilities. This approach enables the development, implementation, and operation of the IEDR in meaningful and achievable segments. Specifically, the PSC established a two-phase schedule of the development and operation of the IEDR:



- Phase 1: The initial IEDR implementation shall enable at least five of the highest priority use cases with an expectation that there could be 10 or more achieved. Phase 1 will be completed within 24 months of the work's commencement by the Program Manager (Q4 2023).
- Phase 2: The initial IEDR will expand and enhance approximately 40 additional use cases, building on the successful implementation and operation of Phase 1. Phase 2 will be completed 36 months after the completion of Phase 1 (on or about July 30, 2026).

The IEDR Order further recognizes details—associated with the development, design, and implementation of each phase of the IEDR Program—must be preceded by specific activities requiring planning and that will impact the scheduling of subsequent activities and the establishment of milestones. These activities include obtaining:

- Advice and recommendations of stakeholders through workshops and technical conferences.
- The services of a Program Manager, Solution Architect, and other professional resources as described in the IEDR Order.
- A workplan and budget from the Program Manager for each of Phase 1 and Phase 2.
- Recommendations of the Advisory Group.

## 2 Program Status

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### 2.1 Completed Milestones

Table 1 provides an overview of completed milestones during the third quarter of 2021. Milestones are established through the Updated Program Sponsor Implementation Plan (PSIP) which was filed on October 1, 2021.<sup>6</sup> A full list of completed milestones retroactive to the beginning of the program is available in appendix B of the PSIP.

**Table 1. Completed Milestones—Third Quarter 2021**

Milestone	Program Topic	Date Completed
Program Manager RFP response submission deadline	Program Manager	July 1, 2021
Program Charter adopted by Utility Coordination Group	Charter	July 12, 2021
Initial use case comments from stakeholder response deadline	Stakeholder Engagement	July 23, 2021
Program Charter adopted by IEDR Steering Committee	Charter	August 6, 2021
Initial meeting of the Advisory Group	Advisory Group	August 17, 2021
Program Manager contract, executed, and work commenced	Program Manager	September 28, 2021
Utility Data Advisor contract executed, and work commenced	Utility Data Advisor	September 30, 2021
Updated Program Sponsor Implementation Plan filed	Reporting	October 1, 2021

NYSERDA selected Deloitte Consulting, LLP (Deloitte) as Program Manager to organize and administer the activities related to the IEDR and Pecan Street Inc. (Pecan Street) as Utility Data Advisor to serve as a dedicated resource to oversee and provide guidance on the utility data sourcing efforts.

### 2.2 Future Milestones

Table 2 provides an overview of near-term milestones including expected dates for completion as established through the PSIP and any expected deviations from such dates.

**Table 2. Future Milestones**

Milestone	Program Topic	Date Expected	Schedule Deviation
IEDR Program Dashboard operational	Reporting	October 31, 2021	Not expected
First quarterly report filed (this report)	Reporting	October 21, 2021	Not expected
Program Charter to be adopted by the Advisory Group	Charter	Q4 2021	Not expected
Virtual use case stakeholder event	Stakeholder Engagement	Q4 2021	Not expected
Stakeholder Engagement and Communication Plan drafted and finalized	Stakeholder Engagement	Q4 2021	Not expected
Outreach to organizations that submitted use cases and may be aligned with prioritized use cases	Stakeholder Engagement	Q4 2021 (starting)	Not expected
Use case interviews to assist in user story and user journey development	Stakeholder Engagement	Q4 2021–Q2 2022	Not expected
Workshops/focus groups for each use case to validate user stories and user journeys	Stakeholder Engagement	Q4 2021-Q2 2022	Not expected
Develop draft procurement documentation for IEDR Development team	Solution Architect + Development RFP	Q4 2021	Not expected
IEDR Utility Data Assessment completed	Utility Coordination Group	Q4 2021	Not expected
Issue RFP for Solution Architect + Development contractor teaming arrangement and related services	Solution Architect + Development RFP	Q1 2022	Not expected
Contract with Solution Architect + Development team executed, and work commences	Solution Architect + Development RFP	Q2 2022	Not expected
Sprint cycles focused on converting user stories/journeys for 3-5 use cases into functional IEDR prototypes	Public Iterations of IEDR	Q2 2022-Q3 2022	Not expected
Final round of data access/security review and User Acceptance Testing of the IEDR's first public iteration	Public Iterations of IEDR	Q3 2022	Not expected
First public iteration of the IEDR released	Public Iterations of IEDR	Q4 2022	Not expected
Sprint cycles focused on converting user stories/journeys for an additional 2-5 use cases into functional IEDR prototypes	Public Iterations of IEDR	Q4 2022-Q3 2023	Not expected
Phase 2 proposal filed	Reporting	January 15, 2023	Not expected
Phase 1 summary report filed	Reporting	July 30, 2023	Not expected
IEDR Platform User Conference	Stakeholder Engagement	Q2 2023	Not expected
Steering Committee reviews and approves declaration of IEDR MVP	Public Iterations of IEDR	Q3 2023	Not expected
IEDR MVP declared (5-10 use cases deployed) and end of Phase 1	Public Iterations of IEDR	Q4 2023	Not expected

### 2.3 Q3 2021 Schedule Deviations and Planned Response Activities

On August 5, 2021, NYSERDA, as program sponsor, requested an extension to the timeline for filing the Updated Integrated Energy Data Resource (IEDR) PSIP as was directed by the PSC in the underlying proceeding.

In making the extension request, NYSERDA noted the PSC's Order Implementing an Integrated Energy Data Resource, issued and effective on February 11, 2021, in Case 20-M-0082, directed NYSERDA to file an Updated PSIP by August 10, 2021 "following the procurement of the Program Manager, to reflect all of the subsequent tasks to be carried out to complete implementation of Phase 1 of the IEDR Program." NYSERDA also explained that it reviewed the Program Manager proposals in July and notified the top selected proposer on August 2, 2021. However, the conclusion of the procurement process, including contract negotiations, required additional time. Due to the complex nature of the multi-year contract for the Program Manager role, and the manager's overall importance to the initiative, NYSERDA stated that additional time was required to reflect all the subsequent tasks into the implementation plan to build a solid foundation for the success of the IEDR.

NYSERDA requested an extension of the timeline for filing the Updated PSIP until October 1, 2021, to allow NYSERDA to incorporate activities, schedules, and milestones—established in the Program Manager contract—into the Updated PSIP. By letter dated August 5, 2021, the Secretary to the PSC granted NYSERDA's request for an extension to file the Updated PSIP on October 1, 2021.

The PSIP has been updated to reflect all the subsequent tasks to be carried out to complete the implementation of Phase 1 of the IEDR Program. Specifically, the Updated PSIP contains the anticipated schedule, budget, and milestones for Phase 1 of the IEDR as they relate to Program Manager and Utility Data Advisor activities over the next 24 months. Information regarding the budget and schedule of additional services (i.e., Solution Architecture, software licenses, etc.) will be provided in future updates to this filing.

At this time, NYSERDA recognizes that there are still many unknowns regarding the specifics of the IEDR's development and that the IEDR will evolve rapidly. Therefore, additional detail regarding scope, schedule, and milestones will be provided on a quarterly basis in filings to the PSC. The Program Sponsor quarterly reports will allow NYSERDA to supplement the information in this Updated PSIP with greater detail and up-to-date information on an ongoing basis.

## **2.4 Future Potential Schedule Deviations and Planned Response Activities**

As of September 30, 2021, no schedule deviations are expected for future milestones. This section will be updated in future quarterly reports if schedule deviations become apparent.

## **3 Stakeholder Engagement**

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### **3.1 Background**

The IEDR Order articulates policy objectives and establishes venues and processes that are intended to assure the broadest possible opportunity for stakeholder contributions throughout the entire lifecycle of the IEDR initiative. Robust stakeholder engagement is required to assure that the centralized platform provided by the IEDR will be a trusted resource that all interested parties and stakeholders can use to efficiently access and analyze the elements of the State's energy system and customer information that are most useful to them. Furthermore, stakeholder engagement will play a critical role in defining and prioritizing the many use cases anticipated by the IEDR Order. The IEDR Order provides for the establishment of an Advisory Group that will bring together a broad spectrum of stakeholder perspectives to inform the design and operation of the IEDR. The Program Sponsor will organize, convene, and facilitate the work of the Advisory Group.

Achieving the breadth and depth of stakeholder participation envisioned by the IEDR Order will require meaningful opportunities for broad stakeholder engagement that complements and contributes to the Advisory Group's work. To that end, the Program Sponsor will provide all interested stakeholders with meaningful opportunities to contribute to the development of the IEDR through a robust schedule of workshops, technical conferences, periodic reports, and other formats.

These activities will be designed in consultation with stakeholders, the Advisory Group, Steering Committee, and Program Manager. Overall responsibility and accountability for stakeholder engagement reside with the Program Sponsor which will collaborate with and call upon the Program Manager to facilitate stakeholder engagement activities.

### **3.2 Stakeholder Engagement Status**

Interested stakeholders were invited to participate in an initial process to identify, characterize, and prioritize IEDR use cases. Initial use case comments were submitted by stakeholders by July 23, 2021 and are available on NYSERDA's IEDR website.<sup>7</sup> NYSERDA held workshops with interested stakeholders in support of use case development. Use cases were submitted by the following entities:

- Advanced Energy Economy (AEE) and Advanced Energy Management Alliance (AEMA)
- Ampion
- BlocPower

- City of New York
- EmPower Solar/NYSEIA/NYS Interconnection Technical Working Group/NYS Interconnection Policy Working Group/PSEGLI Interconnection Working Group
- Flux Tailor
- Joint Utilities of New York (JU)
- Mission:data Coalition
- New York Power Authority (NYPA)
- NYSERDA
- Recurve Analytics, Inc.
- Retail Energy Supply Association (RESA)
- Uplight
- United States EPA
- Utilidata

### **3.3 Advisory Group**

NYSERDA held an initial Advisory Group meeting on August 17, 2021. NYSERDA will work collaboratively with the Advisory Group to enable members of diverse stakeholder groups to provide informed commentary and guidance to NYSERDA and the Steering Committee. Current Advisory Group members were selected by the Steering Committee in consultation with NYSERDA which also considered suggestions and self-nominations by stakeholders. Since the initial meeting, NYSERDA has worked to conduct additional outreach to expand the Advisory Group to ensure adequate representation of relevant stakeholder groups and industries. The list of Advisory Group members is available on the IEDR website.

### **3.4 Utility Coordination Group**

NYSERDA convenes a Utility Coordination Group (UCG) as established by the IEDR Order. The UCG provides a venue for collaboration, coordination and oversight of utility activities related to the design and implementation of the IEDR and alignment with the schedules and activities of the potential Data Access Framework. The UCG is comprised of members of the Steering Committee or their designees, NYSERDA, the Program Manager, and the senior-level leader of each utility IEDR implementation team that is established in compliance with the IEDR Order. The UCG will meet monthly throughout Phase 1.

In Q3 2021, the UCG established a subcommittee to conduct an inventory of available data at each utility that may be used to enable IEDR use cases. The IEDR Utility Data Assessment will include information regarding data availability, accessibility, format, storage location, and active or planned projects that impact the availability of the data, and more, and will cover a variety of data types, including substation, circuit, transformer, service point, customer, meter, sensor, etc. Once completed, the information from the assessment will be shared with the Program Manager, NYSERDA, and the Solution Architect, once onboarded, to inform use case prioritization and design.

In Q3 2021, the UCG worked to establish common definitions for the data requested in the Utility Data Assessment and began to coordinate the internal activities required at each utility to respond to the Utility Data Assessment.

Future utility subcommittees, activities, budgets, schedules, and deliverables and how they relate to other IEDR activities will be reported in subsequent quarterly reports.

## 4 Use and Status of Funding

The IEDR Order established a budget of \$13.5 million for NYSERDA's Phase 1 efforts.

The Order directed recovery of these costs in proportion to the total electric load for 2019 among NYPA, LIPA, and jurisdictional utilities, with the costs allocated among jurisdictional utilities in the same manner as costs allocated and collected through the bill-as-you-go agreements. Based upon 2019 load values provided by DPS Staff, costs will be allocated in the following apportionment:

**Table 3. IEDR Cost Allocation<sup>8</sup>**

IEDR Cost Allocation										
IOU	2019				%	74.2%	x	BAYG Allocation%	=	IEDR Allocation%
	Delivery Service Load <sup>1</sup>	NYPA Load Delivered by IOU	IOU Load net of NYPA Load							
Central Hudson	4,962,793	98,360	4,864,433	3.4%			5.5%		4.1%	\$551,000
Consolidated Edison	55,401,075	10,722,982	44,678,093	31.1%			40.5%		30.1%	\$4,057,364
New York State Electric and Gas	17,217,304	1,149,292	16,068,012	11.2%			12.9%		9.6%	\$1,292,346
Niagara Mohawk	33,986,467	4,098,738	29,887,729	20.8%			30.1%		22.3%	\$3,015,473
Orange and Rockland	4,122,410	28,326	4,094,084	2.8%			4.1%		3.0%	\$410,746
Rochester Gas and Electric	7,290,413	123,701	7,166,712	5.0%			6.9%		5.1%	\$691,255
Long Island Power Authority	18,801,000	696,124	18,104,876	12.6%	12.6%				12.6%	\$1,698,947
New York Power Authority	18,999,198		18,999,198	13.2%	13.2%				13.2%	\$1,782,869
	160,780,660		143,863,137	100.0%	100.0%		100.0%		100.0%	\$13,500,000

The following table summarizes the approved budget and cumulative activity through September 30, 2021.

**Table 4. IEDR Budget Allocation for Phase 1**

Cumulative activity through September 30, 2021

Phase 1	Cumulative Approved		Encumbered (c)	Expended + Encumbered	Expended + % of Total	Pre-encumbered (d)	Pre-encumbered (d) Solicitations	Expended + Pre-encumbered	Expended + Encumbered + Pre-encumbered as a % of Total	Uncommitted
	Budget	Expended (b)								
Administration costs as Project Sponsor	1,500,000	130,177	-	130,177	8.7%	-	-	130,177	8.7%	1,369,823
Procured Resources	12,000,000	-	5,370,902	5,370,902	44.8%	-	-	5,370,902	44.8%	6,629,098
Total	13,500,000	130,177	5,370,902	5,501,079	40.7%	-	-	5,501,079	40.7%	7,998,921

(a) Case 20-M-0082: Proceeding on Motion of the Commission Regarding Strategic Use of Energy Related Data. Order Implementing an Integrated Energy Data Resource, issued and effective February 11, 2021

(b) Expended funds include contractor invoices processed for payment by NYSERDA.

(c) Encumbered funds include remaining funds obligated under a contract or purchase order.

(d) Pre-Encumbered funds include planned funding for contracts awarded and under negotiation; and planned funding under active development through open solicitations with upcoming proposal due dates.

All IEDR program-related expenditures will be managed by the Program Sponsor in compliance with NYSERDA's budget and accounting policies and principles.

Notably, there have been no expenditures for services rendered by the Program Manager or the Utility Data Advisor, as Phase 1 work did not commence until the beginning of Q4 2021.



In Q4 2021, the IEDR program anticipates significant growth in expenditures as it shifts from setup to implementation including: (1) the salaries of 1.5 FTE staff, (2) substantial support from the Program Manager to engage stakeholders, develop, prioritize, and refine IEDR use cases, and assist in the procurement of additional services and components required to develop and deploy the IEDR, and (3) support from the Utility Data Advisor consulting on IEDR data sourcing efforts. Furthermore, the IEDR program expects additional significant growth in expenditures in 2022 as system development costs for software services related to the IEDR's design, build, and operation are incurred. The IEDR program will provide more detail regarding these expenditures against baseline estimates in the Q4 report.

Phase One expenditures as they relate to procured resources will begin in Q4 2021.

Initial Program expenditures will be minimal until such time that contracts for the Program Manager and Utility Data Advisor are in place on or about October 1, 2021. IEDR-related expenditures until then consist primarily of NYSERDA staff time.

For a full overview of the projected costs of the IEDR, please refer to the Updated PSIP.

## 5 Program Plans for Q4 2021 and 2022

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The IEDR program's first six months were dominated by program development, standing up advisory and governance groups, completing procurements, and general stakeholder engagement activities. These activities included developing the IEDR Program Charter and Program Sponsor Implementation Plan, convening and managing the IEDR Steering Committee, IEDR Advisory Group, and Utility Coordination Group, issuing solicitations for, selecting, and contracting with an IEDR Program Manager and a Utility Data Advisor, and soliciting stakeholders for the first round of IEDR Use Cases that will ultimately inform and direct the development of the IEDR platform.

As Phase 1 of the program is now underway, the focus over the next year will be on execution and implementation. Priorities over Q4 will include: (1) continuing stakeholder engagement efforts to further develop, prioritize, and refine IEDR use cases, (2) drafting solicitation materials to procure an IEDR Solution Architect and Development team, and (3) coordinating with the Steering Committee, Advisory Group, and Utility Coordination Group to further refine program processes, schedules, milestones, and data sourcing efforts.

Q4 efforts will set the stage for key IEDR Program activities in 2022, including: (1) continued stakeholder engagement and consensus building, (2) develop specifics for Phase 1 IEDR use cases and use case deployment, (3) solicit for and procuring an IEDR Solution Architect and Development team, and (4) begin development and launch of the first public iteration of the IEDR platform.

## **6 Program Risk Assessment and Mitigation Plan**

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As stated in the PSIP, and as is outlined in section 5.5 of the IEDR Whitepaper:

The Program Manager will organize and conduct the activities, including regular consultations with NYSERDA, needed to facilitate the timely anticipation, identification, and mitigation of risks that could hinder or prevent successful IEDR implementation, and provide the approach to enable NYSERDA to provide timely communication of risks with the Steering Committee.

With the commencement of Phase 1, the development of a comprehensive risk assessment and mitigation plan with extensive tracking is currently underway as a priority task for the Program Manager. The Program Manager will be responsible for the maintenance of this plan throughout Phase 1 of the IEDR. The plan is expected to be included in the Q1 2022 Quarterly Report. Until this time, risks and program deviations will be noted in Section 2: Program Status.

# Endnotes

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- <sup>1</sup> Case 20-M-0082, Proceeding on Motion of the Commission Regarding Strategic Use of Energy Related Data, Order Implementing an Integrated Energy Data Resource, issued and effective February 11, 2021. <http://documents.dps.ny.gov/public/Common/ViewDoc.aspx?DocRefId={3CDC0522-7F50-49E1-A053-EA236B3DED10}>
- <sup>2</sup> Case 20-M-0082, Proceeding on Motion of the Commission Regarding Strategic Use of Energy Related Data, Department of Public Service Whitepaper Recommendation to Implement an Integrated Energy Data Resource, May 29, 2021. <http://documents.dps.ny.gov/public/Common/ViewDoc.aspx?DocRefId={43298F6A-3CA4-435F-BC9D-6DEF6F575836}>
- <sup>3</sup> The IEDR Order, P.33.
- <sup>4</sup> Case 20-M-0082, Proceeding on Motion of the Commission Regarding Strategic Use of Energy Related Data, Order Adopting a Data Access Framework and Establishing Further Process, April 15, 2021. <https://documents.dps.ny.gov/public/Common/ViewDoc.aspx?DocRefId={A228D385-3E0E-41BC-A433-8ABD62F8A6E4}>
- <sup>5</sup> Case 20-M-0082, Proceeding on Motion of the Commission Regarding Strategic Use of Energy Related Data, Department of Public Service Staff Whitepaper Regarding a Data Access Framework, May 29, 2021. <http://documents.dps.ny.gov/public/Common/ViewDoc.aspx?DocRefId={0375BBDD-5F71-44E0-A897-9BE2AD5F2A0E}>
- <sup>6</sup> Case 20-M-0082, Proceeding on Motion of the Commission Regarding Strategic Use of Energy Related Data, Updated Program Sponsor Implementation Plan October 1, 2021. <http://documents.dps.ny.gov/public/Common/ViewDoc.aspx?DocRefId={0375BBDD-5F71-44E0-A897-9BE2AD5F2A0E}> <https://documents.dps.ny.gov/public/Common/ViewDoc.aspx?DocRefId={B9BC09C2-F8F1-43B4-8CF5-D90C10C6AD2C}>
- <sup>7</sup> <https://www.nyserda.ny.gov/All-Programs/Programs/Clean-Energy-Standard/Important-Orders-Reports-and-Filings/Integrated-Energy-Data-Resource>
- <sup>8</sup> These numbers differ from those originally published in the Integrated Energy Data Resource Initial Program Sponsor Implementation Plan. The update reflected here and in the Updated Program Sponsor Implementation Plan disaggregates NYPA load from the loads of the Investor-Owned Utilities and presents the adjusted Bill As You Go allocation.

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 [nyserda.ny.gov](http://nyserda.ny.gov) or follow us on Twitter, Facebook, YouTube, or Instagram.

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