Integrated Energy Data Resource (IEDR) Program Quarterly Report through March 31, 2024

NEW YORK STATE | 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.

NYSERDA Record of Revision

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Integrated Energy Data Resource (IEDR) Program Quarterly Report through March 31, 2024

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Integrated Energy Data Resource (IEDR) Program Quarterly Report through March 31, 2024

Final Report

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Abstract

The Integrated Energy Data Resource (IEDR) Program 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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Background

Through changes in its energy policy, New York State is transforming its electricity system into one that is cleaner and more resilient and affordable. However, effective access to useful energy-related data is required to achieve these goals. The urgency of providing this data has increased with the State's enactment 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 (IEDR Order)[1] 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 NYSERDA 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.[2]

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.[3]

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 (DAF) to govern the means and methods for accessing and protecting all types of energy-related information.[4] This order was based on DPS Staff recommendations.[5] 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 IEDR 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 costs, schedule, or benefits.

The IEDR Order establishes the regulatory expectation that the IEDR will enable approximately 50 use cases over Phase 1 and 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 will 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 24–30 months of the work's commencement by the Program Manager (on or about April 1, 2024).

- 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 30–36 months after the completion of Phase 1 (on or about October 1, 2026 – April 1, 2027).

The IEDR Order further recognizes that details—associated with the development, design, and implementation of each phase of the IEDR Program—must be preceded by specific activities requiring planning 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 both Phase 1 and Phase 2.
- Recommendations of the Advisory Group.

The Transition from Phase 1 to Phase 2 of the IEDR Program

On May 12, 2023, NYSERDA submitted a proposal for the structure and funding of Phase 2 of the IEDR Program. In response to the Phase 2 Proposal, on January 18, 2024, the PSC issued their Order Approving Integrated Energy Data Resource Phase 2 Budgets (IEDR Phase 2 Order).

The IEDR Phase 2 Order approved funding for Phase 2 of the IEDR Program, which officially began on April 1, 2024. Phase 2 funding will support the established regulatory expectations that the IEDR will leverage the accomplishment of Phase 1 to enable approximately 40 additional use cases by the end of Phase 2.

The IEDR Phase 2 Order acknowledged the continuation of established program participant roles of the Program Sponsor (NYSERDA), the Program Manager (currently Deloitte), the Development Team (currently E Source), and the Utility Data Advisor (currently Pecan Street). The Order also acknowledged that Phase 2 funding includes dedicated administrative funds, as requested in the Phase 2 Proposal, for contracting with or reimbursing organizations that support Disadvantage Communities (DAC), to ensure that DAC use cases and functionality are prioritized. The IEDR Phase 2 Order further directed NYSERDA to file a Phase 2 Status and Summary Report, on or before April 1, 2026, and acknowledged that based on sole discretion of the Secretary, the deadlines set forth in the latest Order may be extended.

1   Program Status

1.1   Completed Milestones

During Q1 2024, the IEDR Program Team completed the program milestones "Steering Committee reviews and approves declaration of IEDR MVP" and "IEDR MVP declared (5–10 use cases deployed) and end of Phase 1." Leading up to the completion of these pivotal Phase 1 program milestones, the IEDR Program Team took action to address previously received Steering Committee feedback on platform functionality and user experience. To demonstrate the incorporation of Steering Committee feedback on the IEDR MVP and that the IEDR platform functions according to programmatic and user needs, the IEDR Program Team conducted a series of platform walk-throughs with the Steering Committee. These efforts by the Program Team resulted in the Steering Committee's unanimous approval to publicly launch the IEDR MVP and the subsequent completion of the program milestone "Steering Committee reviews and approves declaration of IEDR MVP."

On March 27, 2024, the IEDR Program Team released the IEDR MVP to the public, which included the release of five new use cases, for a total of eight use cases that have been developed and publicly deployed during Phase 1 of the IEDR Program. The release of the IEDR MVP resulted in the completion of the program milestone "IEDR MVP declared (5–10 use cases deployed) and end of Phase 1."

The following MVP use cases are now available within the IEDR:

- DER (Distributed Energy Resource) Siting—Environmental, Community, Terrain, Land, and Property Assessment
- Electronic Infrastructure Assessment Tool (EIAT) Hosting Capacity and DER Map Enhancements
- Access to Basic Rate Plan Details
- Filterable and Accessible Rate Plans Across NYS IOUs (Investor-Owned Utilities)
- Efficient and Effective Access to Existing Customer Billing Data (sandbox mode)

The Efficient and Effective Access to Existing Customer Billing Data use case is currently available in an online environment known as a "sandbox environment." The sandbox environment allows users to explore the functionality and value of the use case with mock data sets and to submit comments and suggestions to the IEDR Ideas Portal (https://iedr.ideas.aha.io/) without having to complete the full IEDR Green Button Connect registration process. The full rollout of this feature, which will allow utility customers to share their actual customer data with approved third-party energy companies, will be forthcoming later in 2024 as part of Phase 2 program development.

The IEDR stakeholder community was made aware of the launch of the IEDR MVP by way of several media channels, including a formal NYSERDA press release[6], stakeholder email announcement, social media announcements (Facebook[7], Linked In[8], and X[9]), and an IEDR public dashboard announcement[10]. Hyperlinks included in stakeholder communications directed stakeholders to the IEDR platform and program reference materials, as well as encouraged stakeholders to explore, utilize, and provide feedback on the IEDR platform.

Table 1 provides an overview of completed and in-progress milestones during the first quarter of 2024. Milestones are established through the Updated Program Sponsor Implementation Plan (PSIP),[11] and were filed on October 1, 2021.[12] A full list of completed milestones retroactive to the beginning of the program is available in appendix B of the PSIP.

Table 1. Milestone Status— First Quarter 2024

Milestone	Program Topic	Date Complete/ Date Expected	Status
Steering Committee reviews and approves declaration of IEDR MVP.	Public Iterations of IEDR	Q1 2024	Completed—With delay (Originally anticipated Q4 2023).
IEDR MVP declared (5–10 use cases deployed) and end of Phase 1.	Public Iterations of IEDR	Q1 2024	Completed—With delay (Originally anticipated Q4 2023).
Outreach to organizations that submitted use cases and may be aligned with prioritized use cases.	Stakeholder Engagement	Ongoing through Phase 1 and 2	Completed for IPV and MVP— Ongoing for Phase 2 use cases.
Use case interviews to assist in user story and user journey development.	Stakeholder Engagement	Ongoing through Phase 1 and 2	Completed for IPV and MVP— Ongoing for Phase 2 use cases.
Workshops/focus groups for each use case to validate user stories and user journeys.	Stakeholder Engagement	Ongoing through Phase 1 and 2	Completed for IPV and MVP— Ongoing for Phase 2 use cases.

1.2   Future Milestones

To accommodate the launch of the IEDR MVP and better align with Phase 1 program close-out activities, the Phase 1 program milestone and reporting requirement "Phase 1 Status and Summary Report filed" was previously delayed from the initially anticipated date of July 30, 2023, to April 30, 2024. At the time of filing of this Quarterly Report, the Phase 1 Status and Summary Report is anticipated to be filed on or before April 30, 2024.

The end of the first quarter of 2024 marked the end of Phase 1 program development, and April 1, 2024, marked the initiation of Phase 2 of program development. Currently identified Phase 2 program milestones include a Platform User Conference and the filing of a Phase 2 Status and Summary Report as detailed in Table 2 below. More information on Phase 2 program milestones and their completion timeframes will be made available in future Quarterly Reports.

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
Phase 1 Status and Summary Report filed.	Reporting	April 30, 2024	In progress—With delay (Originally anticipated July 30, 2023).
Outreach to organizations that submitted use cases and may be aligned with prioritized use cases.	Stakeholder Engagement	Ongoing through Phase 1 and 2	Completed for IPV and MVP— Ongoing for Phase 2 use cases.
Use case interviews to assist in user story and user journey development.	Stakeholder Engagement	Ongoing through Phase 1 and 2	Completed for IPV and MVP— Ongoing for Phase 2 use cases.
Workshops/focus groups for each use case to validate user stories and user journeys.	Stakeholder Engagement	Ongoing through Phase 1 and 2	Completed for IPV and MVP— Ongoing for Phase 2 use cases.
IEDR Platform User Conference	Stakeholder Engagement	Phase 2	Not Started – Delayed (Originally anticipated in Phase 1, Q2-Q3 2023).
Phase 2 Status and Summary Report	Reporting	April 1, 2026	Not Started

1.2.1 Future Schedule Deviations and Planned Response Activities

Milestone	Program Topic	Date Expected	Schedule Deviation
Phase 1 Status and Summary Report filed.	Reporting	April 30, 2024	In progress - With deviation, (Originally expected July 30, 2023).

Milestone: Phase 1 Status and Summary Report filed.

Schedule impact: The program milestone "Phase 1 Status and Summary Report filed" is expected to be delayed from its initially anticipated completion time frame of July 30, 2023, to April 30, 2024, without further deviation to the schedule.

Summary: Submission of the IEDR Phase 1 Status and Summary Report as detailed by the Commission's Order Implementing an Integrated Energy Data Resource states "At the end of Phase 1, after the initial use cases have been implemented and are operational, NYSERDA shall file a IEDR Phase 1 Status and Summary Report, on or before July 30, 2023." The current expected completion date for this milestone is April 30, 2024, which represents the second deviation to the expected completion date of this milestone. The Commission approved the second Request for Extension on January 25, 2024, to better align with the completion of Phase 1 operations.

Planned Response Activities: On January 12, 2024, NYSERDA filed the second Request for Extension from the Commission on the timeline for filing the IEDR Phase 1 Status and Summary Report, until April 30, 2024. It was noted within the Request for Extension that "NYSERDA has presented this approach to the IEDR Steering Committee, which is in agreement with the request for this extension." As described in the Request for Extension, "This additional time will allow NYSERDA to address newly identified but essential user experience needs within the platform, creating a more refined and approachable IEDR user experience, and to submit a Phase 1 report that includes the most comprehensive overview of Phase 1 activities possible upon completion of Phase 1 of the IEDR." With the release of the IEDR MVP on March 27, 2024, and the end of Phase 1, no additional deviations are expected, and no blockers or risks related to this milestone have been identified.

2 Stakeholder Engagement

2.1 Stakeholder Engagement 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 life cycle of the IEDR initiative. Robust stakeholder engagement is required to ensure 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 pertinent elements of the State's energy system and customer information. 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 (AG) 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 AG.

Achieving the breadth and depth of stakeholder participation envisioned by the IEDR Order requires meaningful opportunities for broad stakeholder engagement that complements and contributes to the AG's work. To that end, the Program Sponsor will continue to 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 are and will continue to be designed in consultation with stakeholders, the AG, Steering Committee, and Program Manager. Overall responsibility and accountability for stakeholder engagement reside with the Program Sponsor who will continue to collaborate with and call upon the Program Manager to facilitate stakeholder engagement activities.

During Phase 1 of program operations, direct engagement between the IEDR user community and the Development Team was enabled in the form of an Ideas Portal, that was launched on March 31, 2023, and continues to facilitate conversations between the IEDR Program Team and IEDR users. The Ideas Portal (https://iedr.ideas.aha.io/) allows IEDR users to provide asynchronous feedback regarding feature improvements and requests for new data sets. IEDR support (iedr-support@esource.com) is also available for users to report bugs or other issues they may experience while navigating the platform.

2.2　Stakeholder Engagement Status

Key stakeholder engagement in Q1 2024 focused on performing user review in preparation for the MVP launch. Valuable user reviews were performed by members of the IEDR user community; user feedback was received, taken into consideration, and addressed or flagged for Phase 2 consideration by the IEDR Program Team. Additional Q1 2024 stakeholder engagement activities included preparing for the first Tier 1 and Tier 2 AG meetings and the first General Stakeholder Engagement (GSE) of 2024. Ongoing key stakeholder engagement during Q1 2024 also included continuing to conduct conversations among the broader stakeholder community about IEDR capabilities in the context of future potential use cases.

2.3　Advisory Group

As of September 2023, the IEDR AG was restructured to meet changing program needs. A key component of the restructured AG is the distinction between the two tiers, which now comprise membership participation. Tier 1 AG meetings consist of a cross-cutting, representative group of program stakeholders who attend quarterly meetings focused on broad program conversations, updates, and the collection of directional feedback. Tier 2 AG meetings consist of small, persona-specific groups of individuals and organizations that represent the working interests of end users for a subset of IEDR features. As seen in Table 3 below, IEDR personas represent specific user segments. Tier 2 AG meetings are scheduled per the platform development schedule and are focused on reviewing prioritized use cases to ensure critical user input is continuously collected.

Table 3. Tier 2 Advisory Group Persona Categories

Academia	Energy Service Entity (ESE)
Back-end user	Government
Community Based Organization (CBO)	Investors
Distributed Generation (DG)	Legal
Electric vehicle Supply Equipment (EVSE)	Utility

2.3.1 Record of Advisory Group Sessions as of March 31, 2024

Due to priority work related to the launch of the MVP, the closeout of Phase 1 program activities, and AG dependencies on the pending Phase 2 use case development roadmap, AG activity in Q1 2024 was limited to planning for and coordinating upcoming AG meetings in Q2 2024. As of the filing of this Q1 report, the first Phase 2 Tier 1 AG meeting took place at the beginning of Q2 on April 11, 2024. Additional information including the outcomes of the first Tier 1 AG meeting of Q2 2024 will be made available in the Q2 2024 report. Subsequent Tier 1 AG meetings are planned to occur on a quarterly basis throughout the remainder of Phase 2. Tier 2 AG meetings will resume in Q2 2024 in accordance with the Phase 2 use case development roadmap.

2.4 Utility Coordination Group

NYSERDA regularly 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 DAF. 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.

Previously, beginning in Q4 2022, the approach to UCG meetings transitioned to focus on engagement levels between the IEDR Program Team and the UCG. The subsequent UCG meeting engagement strategy evolved to include a 30- to 60-minute bi-weekly UCG meeting, followed up by targeted meetings with individual utilities and specific subject matter experts.

2.4.2 Record of Weekly IEDR Utility Coordination Group Meetings as of March 31, 2024

January 9, 2024 | Utility Coordination Group Meeting
During this UCG, the IEDR Program Team provided updates on the status of the Data Sharing Agreement (DSA), platform releases, and utility data milestones. Time was reserved for the discussion of potential future Joint Utilities (JU) presentation topics and open Q&A.

January 23, 2024 | Utility Coordination Group Meeting

During this UCG, the IEDR Program Team provided updates on platform releases, utility data milestones, Phase 1 data gaps, and customer data transfer deposits. The customer consent user flow summary was also reviewed, and time was reserved for the discussion of potential future JU presentation topics and open Q&A.

February 6, 2024 | Utility Coordination Group Meeting

During this UCG, the IEDR Program Team provided updates on platform releases, utility data milestones, Single Sign-On (SSO) integration, Rate Plan data, and ongoing customer data deposits. The data validation playbook, including criteria for data quality review, was also introduced and discussed. Time was reserved for the discussion of potential future JU presentation topics and open Q&A.

February 20, 2024 | Utility Coordination Group Meeting

During this UCG, the IEDR Program Team provided updates on platform releases, utility data milestones, SSO integration, and ongoing customer data deposits. Rate Plan data, including feedback that requires utility input, the data ingest, and reporting timeline was discussed. A demo of MVP use cases was performed and the V003 customer data transfer specification was also reviewed. Time was reserved for the discussion of potential future JU presentation topics and open Q&A.

March 5, 2024 | Utility Coordination Group Meeting

During this UCG, the IEDR Program Team provided updates on platform releases, utility data milestones, SSO integration, and ongoing data deposits and processing. Rate Plan data expectations regarding the Home Energy Assistance Program (HEAP) were also discussed. Time was reserved for the discussion of potential future JU presentation topics and open Q&A.

March 19, 2024 | Utility Coordination Group Meeting

During this UCG, the IEDR Program Team provided updates on Phase 1 data gaps and discussed an FAQ resource for utilities and other stakeholders. Time was reserved for the discussion of potential future JU presentation topics and open Q&A.

3   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 New York Power Authority (NYPA), Long Island Power Authority (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.[13]

Table 4. IEDR Cost Allocation

IEDR Cost Allocation								
	2019							
IOU	Delivery Service Load[1]	NYPA Load Delivered by IOU	IOU Load net of NYPA Load	%		BAYG Allocation%	IEDR Allocation%	
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%	74.2% x	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

Table 5 summarizes the approved budget and cumulative activity through March 31, 2024.

Table 5. IEDR Budget Allocation for Phase 1

Integrated Energy Data Resources (a)
Approved Budget and Itemized Expenses
March 31, 2024

Table 1: Cumulative Activity through March 31, 2024

Phase 1	Cumulative Approved Budget	Expended (b)	Encumbered (c)	Expended + Encumbered	Expended + Encumbered as a % of Total Budget	Pre-encumbered Contracts (d)	Pre-encumbered Solicitations (d)	Expended + Encumbered + Pre-encumbered	Expended + Encumbered + Pre-encumbered as a % of Total Budget	Uncommitted
Administration Costs as Project Sponsor	1,500,000	1,151,882	121,731	1,273,614	84.9%	-	-	1,273,614	84.9%	226,387
Procured Resources	12,000,000	11,353,467	517,375	11,870,842	98.9%	-	-	11,870,842	98.9%	129,158
Total	13,500,000	12,505,349	639,106	13,144,455	97.4%	-	-	13,144,455	97.4%	355,545

(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 are and will be managed by the Program Sponsor in compliance with NYSERDA's budget and accounting policies and principles.

For a full overview of the projected costs of the IEDR, please refer to the Updated PSIP and IEDR Phase 2 Order.

4   Program Plans for 2024

The transition from Phase 1 to Phase 2 represents a fundamental shift in program development; program operations in 2024 will continue to evolve and meet program requirements. Program development will shift from establishing foundational platform functionality and the first 8 use cases in Phase 1, to the iterative development and deployment of approximately 40 use cases by the end of Phase 2. Stakeholder engagement in and feedback on platform development through the AG and other program stakeholder events are central to Phase 2 IEDR platform development.

IEDR platform development plans for 2024 include the full rollout of the IEDR Green Button Connect use case, which will allow registered ESEs to move beyond the "sandbox environment" (that is currently available in the IEDR) and access real, production-quality utility customer data. Immediate Phase 2 platform development plans include focusing on process engineering needs that were identified in Phase 1, enhancing platform operations, and further improving the IEDR User Experience (UX). Stakeholder engagement activities that will provide instrumental feedback on Phase 2 platform development plans and efforts include the first Tier 1 AG meeting after the AG was refreshed in 2023, the first Tier 2 AG meetings of 2024 and Phase 2, and a GSE. Additional AG Tier 1 and Tier 2 meetings are anticipated to take place in 2024, in accordance with the Phase 2 development roadmap, which — at the time of filing of this report — was being drafted.

While a Platform User Conference is projected to occur in Phase 2 of program operations, planning for this event has not started yet. More details about the Phase 2 Platform User Conference will be made available later in 2024.

5   Program Risk Assessment and Mitigation Plan

As stated in the PSIP and as 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, a comprehensive risk assessment and mitigation plan with extensive tracking has commenced and will continue to be employed throughout Phase 2 of program operations. The Program Manager is actively coordinating with all external partners to capture and mitigate risks in accordance with the Risk Management Plan.

Figure 1 depicts an overview of the Risk Management Plan. Within the context of Figure 1, PM&C is defined as Program Management and Control as performed by the Program Manager.
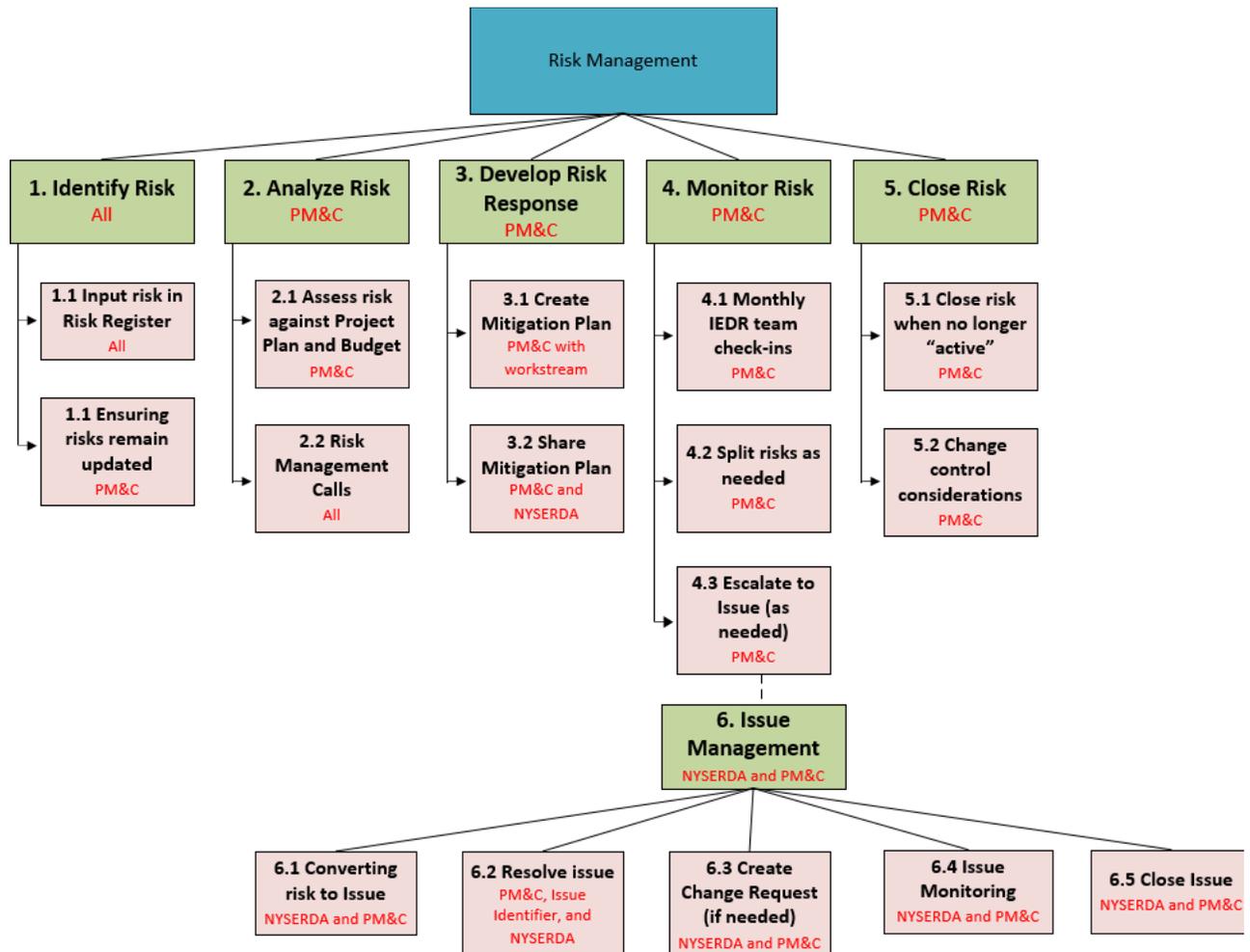
Figure 1. IEDR Risk Management Plan Overview

Table 6 provides an overview of the "high" and "critical" IEDR Program Risks identified as of March 31, 2024. In Q1 2024, no "high" or "critical" severity risks to the program were identified. The Program Team continues to monitor other low to moderate severity program risks and manage the appropriate mitigation strategies.

Table 6. High and Critical Risks to the IEDR Program as of March 31, 2024

Risk Description	Impact Area(s)	Risk Severity	Mitigation Approach
N/A	N/A	N/A	N/A

Appendix A. Completed Milestones to Date

Table A-1. Completed Milestones to Date

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
IEDR Program Dashboard operational.	Reporting	October 31, 2021
First quarterly report filed.	Reporting	October 21, 2021
Program Charter to be adopted by the Advisory Group.	Charter	October 21, 2021
General Stakeholder Engagement Meeting (Virtual use case stakeholder event).	Stakeholder Engagement	November 15, 2021
Stakeholder Engagement and Communication Plan drafted and finalized.	Stakeholder Engagement	October 29, 2021
Outreach to organizations that submitted use cases and may be aligned with prioritized use cases.	Stakeholder Engagement	Started Q4, 2021, as anticipated.
Use case interviews to assist in user story and user journey development.	Stakeholder Engagement	Started Q4, 2021, as anticipated.
Workshops/focus groups for each use case to validate user stories and user journeys.	Stakeholder Engagement	Started Q4, 2021, as anticipated.
Develop draft procurement documentation for IEDR Development Team.	Solution Architect + Development RFP	December 31, 2021
IEDR Utility Data Assessment completed.	Utility Coordination Group	December 2021
Issue RFP for Solution Architect + Development Contractor teaming arrangement and related services.	Solution Architect + Development RFP	March 25, 2022
Contract with Solution Architect + Development Team executed, and work commences.	Solution Architect + Development RFP	Completed Q4 2022—Deviation (Originally anticipated Q2 2022).
Sprint cycles focused on converting user stories/journeys for 3-5 use cases into functional IEDR prototypes.	Public Iterations of IEDR	Completed Q1 2023—Deviation (Originally anticipated Q4 2022).
Final round of data access/security review and User Acceptance Testing of the IEDR's first public iteration.	Public Iterations of IEDR	Completed Q1 2023—Deviation (Originally anticipated Q4 2022).
First public iteration of the IEDR released.	Public Iterations of IEDR	Completed Q1 2023– Deviation (Originally anticipated Q4 2022).
Phase 2 proposal filed.	Reporting	Completed May 12, 2023—Deviation (Originally anticipated January 15, 2023).
Sprint cycles focused on converting user stories/journeys for an additional 2–5 use cases into functional IEDR prototypes.	Public Iterations of IEDR	Completed Q4 2023

Milestone	Program Topic	Date Completed
Steering Committee reviews and approves declaration of IEDR MVP	Public Iterations of the IEDR	Completed February 2024—With delay (Originally anticipated Q4 2023).
IEDR MVP declared (5–10 use cases deployed) and end of Phase 1	Public Iterations of the IEDR	Completed March 27, 2024—With delay (Originally anticipated Q4 2023).

Endnotes

1. 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. https://documents.dps.ny.gov/public/Common/ViewDoc.aspx?DocRefId={3CDC0522-7F50-49E1-A053-EA236B3DED10}

2. 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/YiewDoc.aspx?DocRetld={43298F6A-3CA4-435F- BC9D-6DEF6F575836}

3. The lEDR Order, P.33.

4. 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}

5. 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. https://documents.dps.ny.gov/public/Common/ViewDoc.aspx?DocRefId={0375BBDD-5F71-44E0-A897-9BE2AD5F2A0E}

6. NYSERDA's Press Release announcing the completion of Phase 1 of he IEDR Program. https://www.nyserda.ny.gov/About/Newsroom/2024-Announcements/2024_03_28-NYSERDA-Announces-Completion-of-First-Development-Phase-of-the-NYS-IEDR-Platform?utm_source=nyserda&utm_medium=social&utm_campaign=mar-24

7.` NYSERDA's Face Book Post announcing the completion of Phase 1 of the IEDR Program. https://www.facebook.com/photo.php?fbid=727996779485656&set=pb.100068260200404.-2207520000&type=3

8. NYSERDA's LinkedIn Post announcing the completion of Phase 1 of the IEDR Program. https://www.linkedin.com/posts/nyserda_first-development-phase-of-the-new-york-state-activity-7179201921918861313-_2Ka?utm_source=share&utm_medium=member_desktop

9. NYSEREDA's X (formerly Twitter) post announcing the completion of Phase 1 of the IEDR Program. https://twitter.com/NYSERDA/status/1773436701064470876

10. NYSERDA IEDR Public dashboard. https://www.nyserda.ny.gov/All-Programs/Integrated-Energy-Data-Resource-Program

11. IEDR Updated Program Sponsor Implementation Plan. https://documents.dps.ny.gov/public/Common/ViewDoc.aspx?DocRefId={B9BC09C2-F8F1-43B4-8CF5-D90C10C6AD2C}

12. 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. https://documents.dps.ny.gov/public/Common/ViewDoc.aspx?DocRefId={B9BC09C2-F8F1-43B4-8CF5-D90C10C6AD2C}

13. 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. Phase 2 implementation is subject to the commission's adoption of the Phase 2 proposal.

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