

# 2024 Project Schedule Milestone Update

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# Project Milestones & Status Definitions

# Project Types

Type	Definition
KP	Key project as identified in corporate incentive goal #6b
MP	Major project as identified in corporate incentive goal #6a
AP	Other approved project as identified in 2024 project budget
NP	New project to address emerging business needs

# Milestone Definitions

Milestone	Definition
Issue Discovery	NYISO has facilitated education session(s) for stakeholder knowledge development of problem/issue, conducted stakeholder solicitation of potential solutions to address problem/issue, and summarized findings at a working group meeting for potential ranking and future project identification.
Study Defined	The scope of work for the study has been presented to stakeholders, including a discussion on the necessary input(s), assumption(s) and objective(s) of the study.
Study Complete	Scope of work to be performed has been completed; results and recommendations have been presented to the appropriate Business Owners and stakeholders.
Market Design Concept Proposed	NYISO has initiated or furthered discussions with stakeholders that explore potential concepts to address opportunities for market efficiency or administration improvements.
Market Design Complete	NYISO has developed with stakeholders a market design such that the proposal can be presented for a vote at the BIC, OC, or MC to define further action on the proposal.
<b>Projects with the following Milestones will generally be proposed as Continuing in future years, subject to Stakeholder input</b>	
Functional Requirements	NYISO has completed documentation of the functional requirements and the Business Owner has approved.
Architectural Design	The architectural design document is complete and software development is ready to begin.
Software Design	The software design document is complete and software development is ready to begin.
Development Complete	Development has been completed, packaged and approved by the Supervisor.
Deployment	Required software changes to support commitment have been integrated into the production environment.

# Status Definitions

Status	Definition
<b>Complete</b>	Requirements for delivery have been satisfied.
<b>Delayed</b>	The project milestone may not be met by the targeted quarter, but the NYISO expects it will be met by the end of the year.
<b>At Risk</b>	The project is at risk for not meeting the project milestone by the end of the year.
<b>Not Started</b>	NYISO is not actively working on the project but expects the delivery can still be met based on scope of deliverable and time left to deliver.
<b>On Schedule</b>	Project is proceeding according to the project plan with expectations of meeting the required delivery by its target date.
<b>Critical</b>	The project is not projected to meet the project milestone by the end of the year.
<b>Reprioritized</b>	Project has been reprioritized; resources have been reallocated to address emerging business needs which may delay the delivery date to the next calendar year or beyond the date specified in corporate incentive goals.
<b>Cancelled</b>	Project has been cancelled; resources have been reallocated to other efforts and there are no plans to pursue this project any further.

# Design Projects

# 2024 Project Milestones

Project Name	Type	Qtr.	Project Commitment	Commitment Status
<b><i>Business &amp; Finance Products</i></b>				
<b>SubAccounts for Reporting</b>	MP	Q4	MDC	<b>Completed</b>
<b><i>Capacity Market Products</i></b>				
<b>Demand Curve Reset</b>	KP	Q4	Study Comp.	On Schedule
Generator Data Reporting System*	MP	Q2	Study Comp.	On Schedule
<b>Valuing Transmission Security</b>	MP	Q4	ID	On Schedule
<b>Winter Reliability Capacity Enhancements</b>	MP	Q4	ID	On Schedule
<b>Granular Capacity Market Pricing</b>	MP	Q4	ID	On Schedule
<b>Evolving Resource Adequacy Model</b>	AP	Q4	Study Comp.	On Schedule
<b>Expanding Peak Hour Definition</b>	AP	Q4	MDC	<b>On Schedule</b>

**Bold Red** text indicates status update since last presentation.

**Bold Blue** text indicates projects under stakeholder discussions through the end of Q3.

\*Enterprise project that will not have stakeholder discussions.

# 2024 Project Milestones

Project Name	Type	Qtr.	Project Commitment	Commitment Status
<b>Energy Market Products</b>				
Balancing Intermittency	KP	Q4	MDC	On Schedule
Long Island Reserve Constraint Pricing	MP	Q3	MDCP	<b>Completed</b>
Operating Reserves Performance	MP	Q4	MDC	On Schedule
Market Purchase Hub Transactions	AP	Q3	MDCP	On Schedule
5 Minute Transaction Scheduling	AP	Q4	MDCP	On Schedule
<b>Enterprise Products</b>				
3rd Floor Data Center Migration (Krey)*	MP	Q4	Study Comp.	On Schedule
Midrange and Storage Upgrade*	MP	Q4	Study Comp.	On Schedule

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# 2024 Project Milestones

Project Name	Type	Qtr.	Project Commitment	Commitment Status
<b><i>New Resources Products</i></b>				
Advanced Storage Modeling and Operation	MP	Q4	MDCP	On Schedule
Integrating Champlain Hudson Power Express (CHPE)	MP	Q4	Study Comp.	On Schedule
Engaging the Demand Side	AP	Q4	MDCP	<b>On Schedule</b>
Storage as Transmission	AP	Q4	MDCP	On Schedule
Clean Hydrogen	AP	Q4	MDCP	On Schedule
<b><i>Operations &amp; Reliability Products</i></b>				
Operations - NERC Audit Preparation*	MP	Q3	Study Comp.	On Schedule

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# 2024 Project Milestones

Project Name	Type	Qtr.	Project Commitment	Commitment Status
<i>Planning Products</i>				
<b>Coordinated Grid Planning Process (CGPP) Continuation</b>	MP	Q4	Study Def.	On Schedule
Renewable Energy Forecast Integration and Reporting Enhancements	AP	Q4	ID	On Schedule

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# Implementation Projects

# 2024 Project Milestones

Project Name	Type	Qtr.	Project Commitment	Commitment Status
<b><i>Business &amp; Finance Products</i></b>				
CMS and ConInvoice Data Integration	MP	Q4	Deploy	On Schedule
Budgeting Tool	MP	Q4	Deploy	On Schedule
Transmission Project Developer Billing Access	MP	Q4	Deploy	<b>Completed</b>
SDX Replacement	AP	Q4	Deploy	On Schedule
<b><i>Capacity Market Products</i></b>				
Market Validation, Reporting & Penalty Enhancements	MP	Q4	Deploy	On Schedule
CRIS Expiration Evaluation	MP	Q4	Dev. Complete	<b>On Schedule</b>
<b>Modeling Improvements for Capacity Accreditation</b>	MP	Q4	Deploy	On Schedule

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# 2024 Project Milestones

Project Name	Type	Qtr.	Project Commitment	Commitment Status
<b><i>Capacity Market Products (Cont.)</i></b>				
<b>LCR Optimizer Enhancements</b>	MP	Q4	Deploy	<b>Critical</b>
ICAP AMS Improved System Integrations, Customer Transitions and Offers Project	AP	Q4	FRS	Not Started
<b><i>Energy Market Products</i></b>				
<b>Dynamic Reserves - Phase 1</b>	KP	Q3	FRS	At Risk
Emissions Transparency	MP	Q4	Deploy	<b>At Risk</b>
<b>Improve Duct-Firing Modeling</b>	MP	Q4	FRS	On Schedule
Evolving Financial Transaction Capabilities – Bilateral Transactions	AP	Q2	Deploy	On Schedule
Secure Communication Channel with MPs	AP	Q4	Deploy	On Schedule

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# 2024 Project Milestones

Project Name	Type	Qtr.	Project Commitment	Commitment Status
<i>Enterprise Products</i>				
Windows Server Hardware Upgrade	KP	Q4	Deploy	On Schedule
Krey Control Room A/V Replacement	MP	Q2	Deploy	On Schedule
Network Infrastructure Upgrade	MP	Q4	Deploy	On Schedule
Application Platform Upgrade	MP	Q4	Deploy	On Schedule
Microsoft 365	MP	Q4	Deploy	On Schedule
Block Storage Refresh	MP	Q4	Deploy	On Schedule
Building Management System (BMS) Controls Upgrade	MP	Q4	Deploy	On Schedule
Access Management Program Enhancements	MP	Q4	Deploy	On Schedule

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# 2024 Project Milestones

Project Name	Type	Qtr.	Project Commitment	Commitment Status
<i>Enterprise Products (Cont.)</i>				
Bidding Upload Download Security Enhancements	MP	Q4	Deploy	On Schedule
Cisco Server Refresh – Linux	MP	Q4	Deploy	On Schedule
Micro-Segmentation	MP	Q4	Deploy	On Schedule
Office Mechanical Systems (Krey)	MP	Q4	Deploy	On Schedule
Fence Vibration System Replacement (Krey)	AP	Q4	Deploy	On Schedule
LDAP Upgrade	AP	Q4	Deploy	On Schedule
Telemetry Tone Gear Upgrade	AP	Q4	Deploy	On Schedule

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# 2024 Project Milestones

Project Name	Type	Qtr.	Project Commitment	Commitment Status
<b><i>New Resource Products</i></b>				
Internal Controllable Lines	KP	Q3	FRS	On Schedule
Hybrid Aggregation Model & Co-located Steam and Storage	MP	Q3	Deploy	<b>Delayed</b>
<b>FERC Order 2222 Compliance</b>	MP	Q4	FRS	On Schedule
<b><i>Operations &amp; Reliability Products</i></b>				
EMS/BMS Technologies Upgrade	KP	Q4	Dev. Complete	On Schedule
Capacity Analysis Commitment Tool (CACT)	KP	Q4	Deploy	<b>At Risk</b>
EMS/BMS Operational Enhancements	MP	Q4	Deploy	On Schedule
Optimization Solver Upgrade (Gurobi)	MP	Q4	Deploy	On Schedule
Reliability Compliance Tools Enhancements	MP	Q4	Deploy	On Schedule
IT Development and Control of Compliance Reports	AP	Q4	Deploy	On Schedule

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# 2024 Project Milestones

Project Name	Type	Qtr.	Project Commitment	Commitment Status
<i>Planning Products</i>				
<b>Interconnection Process Enhancements</b>	KP	Q4	Deploy	On Schedule
Procurement and Implementation of PSCAD and E Tran	MP	Q4	Deploy	On Schedule
Production Cost Software Upgrade	MP	Q4	SDS	On Schedule
Demand Forecasting Operational Reporting Enhancements	AP	Q4	Deploy	On Schedule
LFDR Upgrade and Enhancements	AP	Q4	Deploy	<b>At Risk</b>

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# Quarterly Priority Discussion

# Quarterly Discussion on Project Priorities

- **The NYISO encourages feedback from its stakeholders on project priorities and asks stakeholders to raise ideas or concerns as they arise**
  - This discussion can include any idea or concern and is not limited to just project discussions

# Our Mission & Vision



## Mission

Ensure power system reliability and competitive markets for New York in a clean energy future



## Vision

Working together with stakeholders to build the cleanest, most reliable electric system in the nation

# Questions?