

# 2021 Project Schedule Milestone Update

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**Budget and Priorities Working Group:**

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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 2021 project budget
NP	New project to address emerging business needs

# Milestone Definitions

Milestone	Definition
<b>Market Design Concept Proposed</b>	NYISO has initiated, or furthered discussions with stakeholders that explore potential concepts to address opportunities for market efficiency or administration improvements.
<b>Market Design Complete</b>	NYISO has developed with stakeholders, a market design concept such that the proposal can be presented for a vote at the BIC or MC to define further action on the proposal.
<b>Architectural Design</b>	The architectural design document is complete and software development is ready to begin.
<b>Functional Requirements</b>	NYISO has completed documentation of the functional requirements and the Business Owner has approved.
<b>Software Design</b>	The software design document is complete and software development is ready to begin.
<b>Development Complete</b>	Development has been completed, packaged and approved by the Supervisor.
<b>Deployment</b>	Required software changes to support commitment have been integrated into the production environment.
<b>Study Complete</b>	Scope of work to be performed has been completed; results and recommendations have been presented to the appropriate Business Owners and stakeholders.
<b>Study Defined</b>	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.
<b>Issue Discovery</b>	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.

# Status Definitions

Status	Definition
Complete	Requirements for delivery have been satisfied.
At Risk/Delayed	Progress continues but project challenges may require moving the delivery date later in the same calendar year.
Not Started	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.
On Schedule	Project is proceeding according to the project plan with expectations of meeting the required delivery by its target date.
Critical/Overdue	Project is in progress but project challenges may require moving the delivery date to the next calendar year or beyond the date specified in corporate incentive goals.
Reprioritized	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.
Cancelled	Project has been cancelled; resources have been reallocated to other efforts and there are no plans to pursue this project any further.

# Design Projects

# 2021 Project Milestones

Project Name	Type	Qtr	Project Commitment	Commitment Status
<i>Capacity Market Products</i>				
BSM Renewables Exemption Study	MP	Q2	Deployment	<b>Complete</b>
<b>Comprehensive Mitigation Review</b>	MP	Q4	Market Design Complete	On Schedule
CRIS Expiration Evaluation	MP	Q3	Market Design Concept Proposed	<b>Complete</b>
Demand Curve Reset	MP	Q2	Deployment	<b>Complete</b>
Expanding Peak Hour Forecasts	MP	Q3	Market Design Concept Proposed	<b>Complete</b>

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

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

# 2021 Project Milestones

Project Name	Type	Qtr	Project Commitment	Commitment Status
<b>DER</b>				
Engaging the Demand Side	AP	Q4	Issue Discovery	<b>Critical/Overdue</b>
<b>Climate Change and Grid in Transition</b>	KP	Q4	Issue Discovery	On Schedule
<b>Ongoing TSO and DSO Coordination</b>	AP	Q4	Issue Discovery	On Schedule
<b>Hybrid Aggregation Model</b>	MP	Q4	Market Design Complete	<b>At Risk/Delayed</b>
<b>TCC Products</b>				
Reserving Capacity for TCC Balance-of-Period (BOP) Auctions	AP	Q4	FRS	On Schedule
<b>Time Differentiated TCCs</b>	MP	Q4	Market Design Concept Proposed	On Schedule

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# 2021 Project Milestones

Project Name	Type	Qtr	Project Commitment	Commitment Status
<i>Energy Market Products</i>				
<b>Constraint Specific Transmission Shortage</b>	AP	Q4	Market Design Complete	On Schedule
Grid Services from Renewable Generators	MP	Q3	Study Complete	<b>Complete</b>
<b>Reserve Enhancement for Constrained Areas</b>	MP	Q4	Study Complete	On Schedule

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# Implementation Projects

# 2021 Project Milestones

Project Name	Type	Qtr	Project Commitment	Commitment Status
<i>Business and Finance Products</i>				
Accounting and Settlements Integration	AP	Q4	Deployment	On Schedule
Enterprise Information Management – Data Integration Phase IV	KP	Q4	Deployment	On Schedule
FERC Form 1 Redesign	MP	Q1	Deployment	At Risk/Delayed
Load Forecasting System Upgrade and Build	MP	Q4	Deployment	On Schedule
TCC Credit Enhancements	MP	Q4	Deployment	On Schedule

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# 2021 Project Milestones

Project Name	Type	Qtr	Project Commitment	Commitment Status
<i>Energy Market Products</i>				
Ancillary Services Shortage Pricing [SOM]	KP	Q2	Deployment	<b>At Risk/Delayed</b>
Carbon Pricing	KP	Q4	SDS	On Schedule
DAM Congestion Settlement Re-Allocation	AP	Q2	Deployment	Complete
Large Scale on Solar Dispatch	MP	Q2	Deployment	<b>Complete</b>
Reserves for Resource Flexibility	KP	Q2	Deployment	<b>Complete</b>

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# 2021 Project Milestones

Project Name	Type	Qtr	Project Commitment	Commitment Status
<b>Capacity Market Products</b>				
CRIS Tracking	AP	Q4	SDS	On Schedule
Demand Curve Reset Tool Updates	MP	Q2	Deployment	<b>Complete</b>
Tailored Availability Metric	KP	Q1	Deployment	Complete
<b>DER Products</b>				
DER Participation Model	KP	Q4	Deployment **	On Schedule
Expanding Capacity Eligibility	MP	Q1	Deployment	Complete
<b>Hybrid Co-Located Model</b>	KP	Q4	Deployment	<b>At Risk/Delayed</b>

\*\*Deploy Communication Infrastructure, Complete Development of Software Code for the Billing Settlement System and Billing Simulator.

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# 2021 Project Milestones

Project Name	Type	Qtr	Project Commitment	Commitment Status
<i>Enterprise Products</i>				
2021 NERC CIP Audit	AP	Q4	Study Complete	On Schedule
Application Platform Upgrade	MP	Q4	Deployment	<b>At Risk/Delayed</b>
Database Upgrade	MP	Q4	Deployment	On Schedule
Gurobi [MIP] Migration and Upgrade	MP	Q4	Deployment	On Schedule
IT Infrastructure Automation	AP	Q4	Deployment	On Schedule
IT Service Management Improvements	MP	Q4	Deployment	<b>On Schedule</b>
Linux and Storage Infrastructure Refresh	AP	Q4	Deployment	On Schedule
Network Infrastructure Upgrade	MP	Q4	Deployment	On Schedule
Windows System Upgrade	AP	Q4	Deployment	<b>Critical/Overdue</b>

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# 2021 Project Milestones

Project Name	Type	Qtr	Project Commitment	Commitment Status
<i>Operations &amp; Reliability Products</i>				
Automated Default Bid Mitigation	MP	Q1	Deployment	<b>Completed</b>
EMS/BMS Operational Enhancements	MP	Q4	Deployment	On Schedule
NextEra Transmission Owner Integration	MP	Q4	Deployment	On Schedule
Transmission and Generation Scheduling System [TAGSS]	MP	Q4	Development Complete	On Schedule
<i>Planning Products</i>				
ePlanning Migration	AP	Q4	FRS	<b>Cancelled</b>

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# Our mission, in collaboration with our stakeholders, is to serve the public interest and provide benefit to consumers by:

- Maintaining and enhancing regional reliability
- Operating open, fair and competitive wholesale electricity markets
- Planning the power system for the future
- Providing factual information to policymakers, stakeholders and investors in the power system





# Questions?