

2015 Project Schedule Milestone Update

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Project Milestone and Status Definitions



Milestone Definitions

Milestone	Definition
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 Approved	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.
Architectural Design	The architectural design document is complete and software development is ready to begin.
Functional Requirements	NYISO has completed documentation of the functional requirements and the Business Owner has approved.
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.
Study Complete	Scope of work to be performed has been completed; results and recommendations have been presented to the appropriate Business Owners and stakeholders.
RFP Initiated	NYISO has initiated a Request for Proposal (RFP) as approved by the Business Owner and is awaiting response from the vendors.



Status Definitions

Status	Definition
Cancelled	Project is no longer a priority; funds and resources should be made available to work on higher priority projects.
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 based on updated priorities, or as directed by FERC.



Project Types

Туре	Definition
KP	Key project as identified in corporate incentive goal #6
MP	Major project as identified in corporate incentive goal #7
AP	Other approved project as identified in 2015 project budget
NP	New project to address emerging business needs



New and Cancelled Projects

Project Name		01	Project	Estimated Cost (in millions)			
Project Name	Type Qtr		Commitment	NYISO Labor	Capital / Consultancy	Total	
New Projects				\$0.61	\$0.80	\$1.41	
NAESB Public Key Infrastructure	NP	Q4	Development Complete	\$0.38	\$0.40	\$0.78	
MetrixIDR (Load Forecaster Upgrade)	NP	Q4	Development Complete	\$0.17	\$0.38	\$0.55	
Smart Grid Portal	NP	Q4	Deployment	\$0.06	\$0.02	\$0.08	
Cancelled Projects				\$0.72	\$0.74	\$1.46	
Integration Platform Availability Improvements	AP	Q3	Software Design	\$0.13	\$0.15	\$0.28	
Stakeholder Services Suite Phase II	AP	Q4	Deployment	\$0.27	\$0.27	\$0.54	
RFP Evaluation Tool	AP	Q4	Deployment	\$0.14	\$0.13	\$0.27	
BES: Interconnection Reliability Operating Limits (IROL) Visualization	AP	Q2	Deployment	\$0.07	\$0.05	\$0.12	
Economic Planning Model Management	AP	Q4	Functional Requirements	\$0.11	\$0.14	\$0.25	



New Project Descriptions

NAESB Public Key Infrastructure

FERC issued Order No. 676-H adopting NAESB Public Key Infrastructures (PKI) standards for the use of digital certificates to secure specific energy industry transactions. As a result, the NYISO must replace its existing digital certificate infrastructure with a NAESB PKI compliant solution.

MetrixIDR (Load Forecaster Upgrade)

The NYISO has been notified by their Load Forecasting software vendor that product support will be discontinued in early 2016. In order to mitigate risk and enhance the NYISO's load forecasting capabilities, this project will upgrade to the MetrixIDR product. The MetrixIDR product will enhance the NYISO's ability to create 90/10 forecasts and solar forecasts.

Smart Grid Portal

Synchrophasor displays were created as part of the Department of Energy (DOE) Smart Grid Investment Grant and are designed to provide wide area situational awareness. This project will implement a portal to provide member Transmission Owners (TOs) access to the same wide area situational awareness displays that are in use within the NYISO's control room.



Project Name	Туре	Qtr	Project Commitment	Commitment Status			
Business Intelligence Products							
NY Generator Attribute Tracking System (GATS) Data Feed	AP	Q3	Deployment	Not Started			
Public Website Renewables Page	AP	Q4	Deployment	Not Started			
Public Website NYISO Budget and Value Proposition Pages	MP	Q4	Deployment	On Schedule			
Enterprise Information Management: Data Integration	MP	Q4	Deployment	On Schedule			
OASIS Postings Technology Upgrade Phase 2	MP	Q4	Deployment	On Schedule			
DSS Business Objects Upgrade	MP	Q4	Deployment	On Schedule			



Project Name	Туре	Qtr	Project Commitment	Commitment Status			
Capacity Market Products							
Modify the Pivotal Supplier Tests (SOM)	MP	Q1	Deployment	Complete			
Fuel Assurance: Market Design Concepts	MP	Q2	Market Design Concept Proposed ⁰	On Schedule			
Behind the Meter: Net Generation Model	MP	Q2	Market Design Approved ⁰	On Schedule			
Reactive Test Data Collection and Tracking	AP	Q2	Functional Requirements	On Schedule			
ICAP Auction Validating and Reporting Phase 2	AP	Q2	Deployment	On Schedule			
ICAP AMS Enhancements Phase 2	MP	Q2	Deployment	Complete			

⁰ Stakeholder discussions began in 2014



Project Name	Туре	Qtr	Project Commitment	Commitment Status
Capacity Market Products				
Consider Rules for the Elimination of Capacity Zones or Achievement of Price Convergence	MP	Q3	Market Design Concept Proposed ²	On Schedule
External CRIS Rights for Non-UDR Transmission Expansion	MP	Q3	Market Design Concept Proposed ²	Not Started
Winter DMNC Temperature Adjustments	MP	Q4	Market Design Approved ³	Not Started
ICAP Reference System Phase 2	MP	Q4	Functional Requirements	Not Started
ICAP AMS Enhancements Phase 3	AP	Q4	Development Complete	Reprioritized

² Start of stakeholder discussions planned for Q2

³ Start of stakeholder discussions planned for Q3



Project Name	Туре	Qtr	Project Commitment	Commitment Status
Demand Response Products				
Metering Infrastructure Requirements for Demand Response	AP	Q2	Functional Requirements	On Schedule
SCR Performance Obligations: Satisfying Mandatory Test	AP	Q2	Deployment	On Schedule
SCR Performance Obligations: Change Minimum Performance Obligation from 4 to 6 Hours	AP	Q3	Market Design Approved ³	Not Started
Expanding on Selected Distributed Energy Resource Concepts to Further Align with REV	MP	Q4	Market Design Concept Proposed ⁴	Not Started
DRIS Enhancements for DR Program Administration	AP	Q4	Deployment	On Schedule

³ Start of stakeholder discussions planned for Q3

⁴ Start of stakeholder discussions planned for Q4



Project Name	Туре	Qtr	Project Commitment	Commitment Status
Energy Market Products				
Fuel Assurance: Market Design Concepts	MP	Q2	Market Design Concept Proposed ¹	On Schedule
Behind the Meter: Net Generation Model	MP	Q2	Market Design Approved ⁰	On Schedule
Scheduling & Pricing: Comprehensive Shortage Pricing (SOM)	KP	Q2	Deployment*	On Schedule
Scheduling & Pricing: Comprehensive Scarcity Pricing (SOM)	MP	Q4	Development Complete	On Schedule
Coordinated Transaction Scheduling with ISO-NE (SOM)	KP	Q4	Deployment	On Schedule

^{*} Activation of Comprehensive Shortage Pricing is planned for Q4

⁰ Stakeholder discussions began in 2014

¹ Stakeholder discussions began in Q1 2015



Project Name	Туре	Qtr	Project Commitment	Commitment Status
Enterprise Products				
Market Test Environment	MP	Q2	Architecture Design	On Schedule
Enterprise Project Management Phase IV	MP	Q2	Deployment	On Schedule
Integration Platform Availability Improvements	AP	Q3	Software Design	Cancelled
Windows Server Upgrades	AP	Q3	Deployment	At Risk / Delayed
Identity and Access Management Phase IV	MP	Q3	Deployment	On Schedule



Project Name	Туре	Qtr	Project Commitment	Commitment Status
Enterprise Products				
NERC CIP v5 Planning & Conversion*	KP	Q4	Study Complete	At Risk / Delayed
NAESB Public Key Infrastructure	NP	Q4	Development Complete	On Schedule
Stakeholder Services Suite Phase II	AP	Q4	Deployment	Cancelled
Enterprise Technology Monitoring Phase II	MP	Q4	Deployment	On Schedule
Application Platform Upgrade Phase II (Linux)	MP	Q4	Deployment	On Schedule
Storage Infrastructure Redesign	MP	Q4	Deployment	Not Started
Endpoint Security Enhancements	MP	Q4	Deployment	On Schedule

^{*} All the NERC CIP v5 projects have been consolidated under this one project



Project Name	Туре	Qtr	Project Commitment	Commitment Status
Finance Products				
Procurement Enhancements	MP	Q1	Deployment	Complete
CMS True-up Exposure	MP	Q1	Deployment	Complete
North Subzone Redistricting	MP	Q2	Market Design Concept Proposed ²	Not Started
Oracle Financials - Fixed Assets	AP	Q2	Deployment	On Schedule
Regulated Transmission Cost Recovery Implementation	MP	Q2	Deployment	On Schedule

² Start of stakeholder discussions planned for Q2



Project Name	Туре	Qtr	Project Commitment	Commitment Status
Finance Products				
Rate Schedule 1 Technology Automation	AP	Q4	Market Design Concept ⁴	Not Started
CMS Ratings Automation	AP	Q4	Functional Requirements	Not Started
CMS Financial Risk Assessment Tools	MP	Q4	Functional Requirements	Not Started
Manual Adjustments Redesign	MP	Q4	Deployment	On Schedule
CMS External Transactions Timing Adjustments	MP	Q4	Deployment	On Schedule
CMS ICAP Spot Market Offers Enhancement	MP	Q4	Deployment	On Schedule
RFP Evaluation Tool	AP	Q4	Deployment	Cancelled

⁴ Start of stakeholder discussions planned for Q4



Project Name	Туре	Qtr	Project Commitment	Commitment Status
Operations & Reliability Products				
FERC Funded Rerun Phase 2	MP	Q1	Deployment	Complete
BES: Contingency Analysis Updates	AP	Q2	Deployment	At Risk / Delayed
BES: Interconnection Reliability Operating Limits (IROL) Visualization	AP	Q2	Deployment	Cancelled
EMS/BMS System Upgrade	AP	Q3	RFP Initiated	On Schedule
Smart Grid Portal	NP	Q3	Deployment	On Schedule



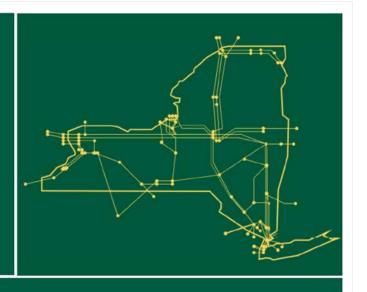
Project Name	Туре	Qtr	Project Commitment	Commitment Status
Operations & Reliability Products				
MMA Market Operations Report Automation	AP	Q4	Functional Requirements	Not Started
FERC Funded Rerun Phase 3	MP	Q4	Development Complete	On Schedule
MetrixIDR (Load Forecaster Upgrade)	NP	Q4	Development Complete	On Schedule
Gas-Electric Coordination: Fuel Availability Self Reporting (SOM)	MP	Q4	Deployment	On Schedule
2015 Reference Level Software (RLS) Enhancements	MP	Q4	Deployment	On Schedule



Project Name	Туре	Qtr	Project Commitment	Commitment Status
Planning Products				
Economic Planning Model Management	AP	Q4	Functional Requirements	Cancelled
TCC Products				
Balance-of-Period AVS	MP	Q4	Functional Requirements	On Schedule
Balance-of-Period CMS	MP	Q4	Functional Requirements	On Schedule
Balance-of-Period AMS	MP	Q4	Software Design	On Schedule
TCC AMS Round Type and Upgrade	AP	Q4	Development Complete	On Schedule
TCC Revenue Allocation Automation	MP	Q4	Deployment	On Schedule



The New York Independent System Operator (NYISO) is a not-for-profit corporation responsible for operating the state's bulk electricity grid, administering New York's competitive wholesale electricity markets, conducting comprehensive long-term planning for the state's electric power system, and advancing the technological infrastructure of the electric system serving the Empire State.



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