

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 |



| Project Name | Туре | Qtr | Project Commitment | Commitment Status |
|---|------|-----|-----------------------|----------------------|
| Business Intelligence Products | | | | |
| NY Generator Attribute Tracking System (GATS) Data Feed | AP | Q3 | Deployment | On Schedule |
| Public Website Renewables Page | AP | Q4 | Deployment | On Schedule |
| 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 | Complete |
| Behind the Meter: Net Generation Model | MP | Q2 | Market Design Approved ⁰ | At Risk / Delayed |
| Reactive Test Data Collection and Tracking | AP | Q2 | Functional Requirements | Complete |
| ICAP Auction Validating and Reporting Phase 2 | AP | Q2 | Deployment | Complete |
| 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 ³ | On Schedule |
| External CRIS Rights for Non-UDR Transmission Expansion | MP | Q3 | Market Design Concept Proposed ⁴ | At Risk / Delayed |
| Winter DMNC Temperature Adjustments | MP | Q4 | Market Design Approved ⁴ | Reprioritized |
| ICAP Reference System Phase 2 | MP | Q4 | Functional Requirements | On Schedule |
| ICAP AMS Enhancements Phase 3 | AP | Q4 | Development Complete | Reprioritized |

³ Start of stakeholder discussions began in Q3

⁴ Start of stakeholder discussions planned for Q4



| Project Name | Туре | Qtr | Project Commitment | Commitment Status |
|--|------|-----|--|----------------------|
| Demand Response Products | | | | |
| Metering Infrastructure Requirements for Demand Response | AP | Q2 | Functional Requirements | Complete |
| SCR Performance Obligations: Satisfying Mandatory Test | AP | Q2 | Deployment | Complete |
| SCR Performance Obligations: Change Minimum Performance Obligation from 4 to 6 Hours | AP | Q3 | Market Design Approved | Cancelled |
| Expanding on Selected Distributed Energy Resource Concepts to Further Align with REV | MP | Q4 | Market Design Concept Proposed ⁴ | On Schedule |
| DRIS Enhancements for DR Program Administration | AP | Q4 | Deployment | On Schedule |

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 | Complete |
| Behind the Meter: Net Generation Model | MP | Q2 | Market Design Approved ⁰ | At Risk / Delayed |
| Scheduling & Pricing: Comprehensive Shortage Pricing (SOM) | KP | Q2 | Deployment* | Complete |
| Scheduling & Pricing: Comprehensive Scarcity Pricing (SOM) | MP | Q4 | Development Complete | At Risk / Delayed |
| 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 | Complete |
| Enterprise Project Management Phase IV | MP | Q2 | Deployment | Complete |
| 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 | <u> </u> | | | |
| NERC CIP v5 Planning & Conversion* | KP | Q4 | Study Complete | On Schedule |
| 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 | On Schedule |
| 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 | Complete |
| Oracle Financials - Fixed Assets | AP | Q2 | Deployment | Complete |
| Regulated Transmission Cost Recovery Implementation | MP | Q2 | Deployment | Complete |

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 | Complete |
| CMS Ratings Automation | AP | Q4 | Functional Requirements | On Schedule |
| CMS Financial Risk Assessment Tools | MP | Q4 | Functional Requirements | On Schedule |
| 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 |



| 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 | Complete |
| 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 | Cancelled |
| 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 |

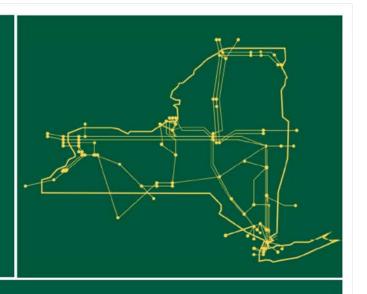


Other NYISO Initiatives

| Initiative | Status |
|---|---|
| Enhanced Forecasts for Buyer Side Mitigation (incentive goal#6) | Market Design Approved deliverable delayed from Q3 to Q4 due to the impact of various FERC orders |
| Solar Study | A draft report should be available for stakeholder review by October |



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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