NYISO Projects Portfolio Status Report

The project portfolio is divided into three categories: Priority Projects, Second Tier Projects, and Studies & Training Projects. This report provides summary information about Priority Projects and Second Tier Projects. Studies & Training Projects are not included in this report since they are internally focused. Please refer to the accompanying Projects Portfolio (Gantt chart) for the latest scheduling and deployment information. This information is updated monthly in preparation for the scheduled PPT meetings.

Priority Projects

A639 2003 SAS 70 Type 2 Audit
- KPMG report was complete on January 9.
- NYISO passed the SAS 70 Audit for the report period.
- Designated as "exempt" priority meaning that resources are made available when and as needed to support the audit.

A725 2004 SAS 70 Type 2 Audit
- KPMG auditing NYISO Bid-to-Bill process – progress continues.
- Audit scope period ends November 30th.
- Designated as "exempt" priority meaning that resources are made available when and as needed to support the audit.

A649 Oracle 9i Upgrades
- This project will accomplish an upgrade of the Oracle software of the MIS, BAS and Oracle Financials databases.
- The FRS is complete and has been approved by the Project Sponsor.
- The project is in the final phase of testing.
- A detailed deployment plan has been created and is ready for deployment day.
- The upgrade of BAS to Oracle 9i is now scheduled for February 11 - 12.

A683 BEA Upgrade
- This project will accomplish an upgrade of the BEA (vendor name) software that is used on the production NYISO web site servers.
- The upgrade will be performed in two phases: the first phase will upgrade to BEA software to version 8.1, and the second phase will be implementation of clustering.
- The first phase, upgrade to BEA 8.1, was successfully deployed on September 30.
- The QA environment was configured the week of December 1.
- Due to dependency of this upgrade with SMD2, the project team will be meeting with the SMD2 team to determine if we should deploy directly into SMD and not upgrade the legacy environment.

A573 SMD 2.0 Internal NYISO System Implementation
- MIS interfaces are in Phase E – Project System Operation/Functional Test Phase.
- BAS re-bills are in Phase E – Project System Operation/Functional Test Phase.
- MIS rules changes are in Phase E – Project System Operation/Functional Test Phase.
- BAS rules changes are in Phase D – Build/Unit-Sub System Test.

- Upload/Download is in Phase E – Project System Operation/Functional Test Phase.
- Bid Post is in Phase E – Project System Operation/Functional Test Phase.
- The PTS replacement is in Phase D – Build/Unit-Sub System Test.
- Price Verification is in Phase D – Build/Unit-Sub System Test.
- MMRD is in Phase D - Build/Unit-Sub System Test
- Probe support is in Phase B – Concept.
- The new Load Forecaster is in Phase E – Project System Operation/Functional Test Phase.

A574 SMD 2.0 ABB System Implementation Support
- A significant schedule adjustment and contract revision was made for the SMD2 project due to a number of factors including, delivery slippages on the part of the vendor (ABB), expressed desire on the part of the Market Participants to expand the testing and market trial timeframes, relatively high number of software defects requiring correction from the first delivery phase, and the close proximity of the Summer peak season to the project deployment date.
- The new SMD2 project schedule will included a Phase 2 Factory Acceptance Test (FAT) at the NYISO site in April and May, an extended Market Trial period starting in June and continuing through August, and will be ready for commercial operation in the middle of September.
- The actual deployment date will be determined collaboratively with Market Participants, regulators, and other stakeholders following review of project progress, testing results, market conditions, and other factors.
- The project development team is making good progress on Phase 2 design and development, and is tracking ahead of scheduled in correcting software defects that were identified during Phase 1 acceptance testing.
- NYISO testing environment in Albany are fully functional and actively utilized in performance Quality Assurance and integration test of software developed by NYISO staff to interface with the ABB products.

A620 AMP IV including Start-up and Min Gen Mitigation
- Project is currently in Phase D – Development.
- AMP IV will be incorporated into Legecy for pre-summer deployment, then into SMD2.

A688 Inadvertent Package Replacement
- Project is currently in Phase E – System Operational / Functional Test.
- This project is required to replace the current inadvertent interchange billing application that will be eliminated when SMD is deployed. The new application can be deployed once it has completed testing, as it is not dependent upon the SMD deployment.
- A prototype application has been developed and is being tested by the business owner.

A697 Auto Sys Replacement
- All job/script documentation for all functional areas has been completed.
- Assessments are being performed on all jobs/scripts to determine any necessary modification as they impact the new SMD2 system. Modifications will be made based on this assessment.
- The new Control M software was successfully installed onto all of our new hardware for SMD2.

- The project team is working to begin determining what tasks need to be performed in order to integrate the Control M job scheduler with SMD2.
- Next Steps:
  - Complete assessment of any jobs/script changes.
  - Perform modification to jobs/scripts as they are identified.
  - Begin coordination integration tasks with the other SMD project managers.
  - Update the project schedule with all completed tasks and new tasks to add.

A696 SMD-DAC

- FRS is still undergoing final review and comments by senior management.
- The RFL Bridge (primary project solution) installment will be complete by February 2nd.
- Development on the D20 RTU is complete and the project team is now looking to connect this device to a Master Station in order to begin testing.
- The project team is going to begin coordination efforts with key folks on the main SMD projects in order to integrate the RFL Bridge and D20 RTU with the SMD platform.
- **Next Steps:**
  - Receive final approval on the baseline FRS.
  - Complete the last remaining development tasks associated with the RFL Bridge and D20 RTU
  - Begin coordinating integration tasks with the other SMD project managers.
  - Update the project schedule with all completed tasks and new tasks to add
- SMD-DAC was a component of project A573 and is now being tracked as a separate project (A696) for scheduling and resource purposes.

A647 Station Power Accounting

- Phase 1 of the Con Invoice code will be deployed into production on February 3rd.
- Development and until testing for Phase 2 of the Con Invoice code is complete and will deploy into the QA environment on February 4th.
- All six technical bulletins reflecting this project have been created and presented to the Market Participant for their review and feedback. Modifications are currently being made based on the MP feedback
- **Next Steps:**
  - Deploy Phase 1 of Con Invoice into production.
  - Deploy Phase 2 of Con Invoice code into QA environment and begin testing.
  - Perform modification to the technical bulletins and resend for final review and approval.

A559 SMD2 Integration (EAI Phase II)

- The SMD EAI environments and interfaces (Price Verification and Load Forecast feeds) are available for Phase E (QA/System Test) Market Trial activities.

A686 Allocations Adjustments (EDRP, TSA, QSR)

- Project is currently in Phase E – System Operational/ Functional Test.
- The application is expected to deploy in early February.
- This project will enable billing for emergency demand response program, thunderstorm alert, and quick start reserves. It is also intended to provide an interim capability to bill for DAM Congestion Reduction Shortfall (separate project A676 will address the full automation of this).

A710 SMD Web Environment
- Phase D (Development) activities for SMD's Web Posting of OASIS data continue. Integration testing of release one and two web postings nears completion, in preparation for Market Trial Testing.
- SMD Web physical environments are in place at PCC; these environments serve as the platform for Market Trial Testing. The necessary software and network configurations are being implemented.
- QA testing of bid submission via SMD's bidpost.nyiso.com is underway in preparation for Market Participant sandbox testing.

A600 Open Billing Issues
- The Billing Issues Group (BIG), chaired by the CFO, is responsible for resolving all identified billing issues. The A600 project was established to ensure timely action on internal billing issues (not including external items such as bad or missing metering data). Incentive Goal 7 tracks performance on the timely correction of these internal billing issues. The table below shows the total number of open billing issues coincident with the last BIG meeting, the meeting a month prior and the meeting six-months prior.

*A600 – Open Billing Issues Status			
Number of Open Issues Needing Work	01/21/2004	12/23/2003	07/23/2003
Total Goal 7 Issues	4	2	3
Total Non-Goal 7 Issues	7	6	14
Total Issues	11	8	17

* Note – the table structure and layout have changed to reflect the BIG committee review process.
(Source Billing Issues Group weekly report)

A636 85/15 Schedule 1 Split - Phase 1
- This project has been postponed because the code could not be developed, tested and implemented prior to a mid-November deadline on changes to the MIS and BAS applications. This deadline was established by NYISO to ensure that the SMD project interface with MIS and BAS can be completed to support the April 2004 schedule. The Technical Design of this application is underway, once complete, a determination of whether to proceed with this project will be made.
- Customer Settlements will continue to calculate this component of customer bills manually until a software solution is made available.
- For prioritization purposes, this project is considered as a part of the Billing Automation projects.

A687 Automate Local Black Start Calculation
- Project is delayed pending availability of resources
- For prioritization purposes, this project is considered as a part of the Billing Automation projects.

A685 85/15 Schedule 1 Split - Phase 2
- Project is delayed pending availability of resources
- For prioritization purposes, this project is considered as a part of the Billing Automation projects.

A689 Store Intermediate Billing Calculation Data
- The requirements for this project are currently being reassessed.
- Depending upon the analysis of the requirements, this project may be put on hold

A690 Grouped Units
- Project is delayed pending availability of resources.
- For prioritization purposes, this project is considered as a part of the Billing Automation projects.

A630 Automate Voltage Support Billing Calculation
- Project is delayed pending availability of resources.
- For prioritization purposes, this project is considered as a part of the Billing Automation projects.

A676 Automate DAM Congestion Shortfall Calculation
- Interim capability to bill for DAM Congestion Reduction Shortfall will be implemented as part of A686 New Billing Allocations.
- Automation of the billing process is delayed pending availability of resources.
- For prioritization purposes, this project is considered as a part of the Billing Automation projects.

A619 Controllable Tie Lines Scheduling & Pricing
- Project is currently in Phase B – Requirements.
- Project being re-scoped for internal and external controllable tie lines including CSC and 1385.

A675 Billing Simulator
- A feasibility study is being completed.
- A proof-of-concept demonstration has been provided and a proposed statement of work for the upcoming deliverables is being reviewed.

A708 Consolidate NYISO Offices [NEW]
- Scope and requirements have yet to be fully defined.

A658 Facilitated Checkout
- Final Facilitated Checkout specification approved by all NPCC member organizations on December 17. This establishes a common protocol that will be utilized to exchange transaction data throughout the Northeast.
- NYISO and ISO-NE are coordinating a joint release of the final FCO Web Service specification in the early February timeframe. IMO and HQ have also both initiated efforts to implement the standard Web Services before summer of 2004.
- A new NYISO checkout application has been developed that will utilize the FCO services deployed at our neighboring Control Areas. This will provide operations with a complete view of the transaction stack of each neighbor, assisting with the real-time checkout process. The application will be deployed once the neighbor Web Services are in place and adequate user acceptance testing can be completed. The goal is to have the new application in place (and supported by our neighboring CA's) before the Summer 2004 capability period.

A543 UCAP Market Automation
- Project is currently in Phase E – Construction Phase
- The contractor delivered four code builds.
- QA environment testing the delivered builds.

A541 TCC Online Auction Automation
- Project is currently in Phase D – Elaboration.
- Design and implementation will be done after work is completed on A543.

A706 Develop a Virtual Regional Dispatch [NEW]
- Scope and requirements have yet to be fully defined.

A709 Reserve Pickup Reporting [NEW]
- Scope and requirements have yet to be fully defined.

A657 15-Minute Schedules and ICAP Prescheduling (OSS SMD2 Support)
- Development complete. Targeted for integration with SMD SAT testing.
- Contingency plan under development to allow deployment to legacy base code in Spring
- 2004 in the event of any SMD delay.

A663 DSS Settlements Datamart IV
- 65/45 Reports (Release Set 1) and Application Enhancements were deployed.
- Project team is wrapping up work including additional corporate report definition, and expects closure March/April 2004.
- Conducted Failover / Failback test with help from Unix group.

A664 DSS Enhancements V
- This project is in Phase A - Initiation
- Started work on detailed Project Plan.
    - Created major categories
    - Working on timeline and resources
    - Prioritizing work with DSS Steering Committee
    - Looking at other projects and their potential impacts
- Began internal Quickstart / Mentoring program with Customer Settlement. Feedbacks were very positive.
- Plan to continue Quickstat / Mentoring program with Market Monitoring and Market Relations
- Review training program and looking for further improvements.

A700 Computer System Availability Monitoring [NEW]
- Scope and requirements have yet to be fully defined.

A699 MDEX Enhancements [NEW]
- Scope and requirements have yet to be fully defined.

A704 Operational Information to the Marketplace [NEW]
- Scope and requirements have yet to be fully defined.

A705 Inter-ISO Standards for Market Messages [NEW]
- Scope and requirements have yet to be fully defined.

A707 Assess Options to shorten Bulling Cycle [NEW]
- Scope and requirements have yet to be fully defined.

A556 Documentum Implementation
- The FRS and Design specification were approved December 19.
- User Acceptance Testing (UAT) occurred the first two weeks in January.
- End User Training is scheduled for the last two weeks of February.
- Because of some issues with the UAT and the production hardware, deployment was moved to early March.

A703 SW Development Lifecyclle Tools [NEW]
- Scope and requirements have yet to be fully defined.

A701 New Technology Initiatives [NEW]
- Scope and requirements have yet to be fully defined.

A660 E-Tagging Integration
- QA testing underway.
- Targeting deployment, Spring 2004 in Legacy.
- Current plan targets integration with SMD testing and deployment.
- Contingency plan under development to allow deployment to legacy base code in Spring
- 2004 in the event of any SMD delay.

A674 Facilities Management
- The Project Team is reviewing the remaining open items in this project and will be closing the project shortly.

Studies & Training Projects

The NYISO Projects Portfolio (Gantt chart) also shows a number of projects under the category Studies and Training. These projects are internal to the NYISO organization and for that reason their individual status and priority is not included in this report.