

NYISO Projects Portfolio Status Report

In March there was one major project deployment:

A556 Documentum Implementation (PM – L. Farney)

After more than a year of development and testing, Documentum, an electronic document management system, was put on-line for use by the Regulatory Affairs and Committee Support departments. The next business groups to be added will be IT and Finance. This project qualified and achieved both the schedule and cost targets for incentive goal 9.

The table below summarizes the number of projects currently defined in the projects portfolio.

Project Category	Previously Scheduled ¹	Completed	Added	Currently Scheduled ²
Priority Projects	45	1	3	47
Studies and Training	16	3		13
Total	61	4	3	60

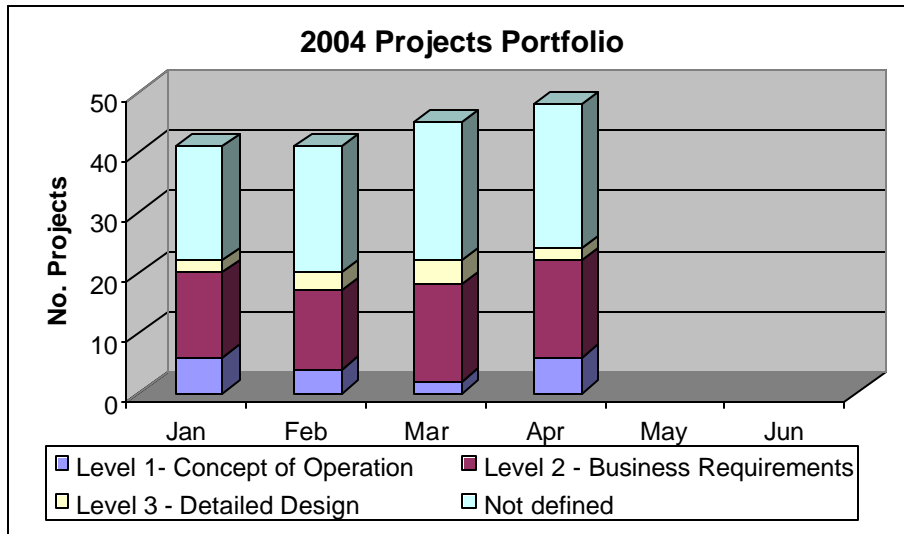
Notes: ¹ Previously Scheduled – reflects status as of the Mar. 8

² Currently Scheduled - reflects status as of April 9

The table below summarizes changes to the projects portfolio over the past month:

Projects Completed	
A686	Allocation Adjustments (EDRP, TA, QSR)
A212	2002 New York Area Transmission Review
A678	SRIS for Conjunction Empire Conn. HVDC Project
A695	SRIS for Uprates of the Entergy Indian Point Nuclear Units
Projects Added	
A667	Scarcity Pricing in SMD
A737	Migration to New facility
A739	Capital Improvements of PCC In Guilderland

The graph below illustrates the number of Priority Projects (excluding Studies and Training) in the projects portfolio and their status within the project lifecycle.



- Level 1 indicates a project in its preliminary stage with a completed Concept of Operation document.
- Level 2 is achieved when the Business Requirements document (aka FRS) is completed and the project scope is clearly defined.
- Level 3 is reached when a system design specification (SDS), defining the software requirements, is completed.
- As a project progresses through these levels the resource and cost estimates become more accurate.

Planned project deployments in April include:

A647 Station Power Accounting
 A620 AMP IV including Start-up and Min Gen Mitigation
 A660 E-Tagging Integration
 A663 DSS Settlements Datamart IV

This report provides the current status of projects prioritized by the Project Prioritization Team (PPT). 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

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 (Financials)

- The BAS Database was successfully upgraded to Oracle 9i on February 11th.
- The next phase of this project is the upgrade of the Oracle Financials system.
- FRS development is underway for this next phase.

A683 BEA Upgrade

- The primary deliverable of the second phase of this project has changed and is effectively a Proof of Concept of BEA clustering for use in the SMD2 project.
- The Proof of Concept is scheduled for completion in early April so that BEA clustering can be implemented in SMD prior to the beginning of Market Trials.

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.
- New Load Forecaster is in Phase E – Project System Operation/Functional Test Phase.

A574 SMD 2.0 ABB System Implementation Support

- Software development activities for Phase 2 of the SMD2 project tracked according to plan in February. Phase 2 features include a number of requirement enhancements to the core product software that was delivered in December. System design documents review and approval is being conducted with ABB staff, and test planning activities for the upcoming Phase 2 acceptance tests have started.
- A new software release was produced at the end of February that contains corrections to the high severity software defects that were identified during Phase 2 acceptance

testing. The NYISO will conduct verification tests on this new release during the first two weeks in March. Additionally, some of the features planned for Phase 2 of the SMD2 project have been delivered with this release, and will be worked into the acceptance testing plan.

- The internal testing portion of the Market Trial testing process is ongoing at the NYISO facilities. Integration testing between ABB products and NYISO application has been successful, and functional testing of the core applications is tracking to plan. Some Market Participants have submitted sample upload/download templates from their in-house systems for NYISO functionality.

A620 AMP IV including Start-up and Min Gen Mitigation

- Project is currently in Phase D – Development.
- AMP IV will be incorporated into Legacy 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 however further development efforts are on hold pending the availability of resources.

A697 Auto Sys Replacement

- A baseline project schedule has been created and will undergo final review/feedback by the rest of the SMD project managers and key project team members by March 12th.
- In an effort to integrate the work on all SMD projects, the SMD project managers are working to identify and link the appropriate tasks on all plans to each other, so that an appropriate testing schedule can be created.

A696 SMD-DAC

- FRS is still undergoing final review and comments by senior management.
- The RFL Bridge and the D20 RTU build-outs were completed on February 13th.
- In an effort to integrate the work on all SMD projects, the SMD project managers are working to identify and link the appropriate tasks on all plans to each other, so that an appropriate testing schedule can be created.
- Test plan is undergoing review and updates.
- SMD-DAC was a component of project A573 and is now being tracked as a separate project for scheduling and resource purposes.

A647 Station Power Accounting

- Station Power FRS and SDS final versions are complete.
- Phase 2 of the Con Invoice code will be deployed into QA on March 3rd and estimated to deploy into production on April 13th.
- All six technical bulletins were created, approved by Legal, reviewed by Market Participants, and are currently undergoing the NYISO's official five-day review period.

A559 SMD2 Integration (EAI Phase II)

- Project A559 has been closed.

A577 SMD2 Integration (EAI Phase III & IV)

- Project is in Phase B – Project Concept Phase. Defining business requirements for the creation and distribution of pre-MGF files to Transmission Owners is nearing completion; Phase C & D – Design and Development, will commence shortly.

A686 Allocations Adjustments (EDRP, TSA, QSR)

- Project was deployed on February 19th
- This project enabled 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

- Project is in Phase D & E, Development and QA Testing, activities for SMD's Web Posting of OASIS data continue.
- SMD Web physical environments for sandbox testing and Market trial testing are nearing completion. Activities to establish the ACC physical Web environments have been initiated.
- QA resources are using SMD2's bidpost.nyiso.com to validate the generator bid submission templates provided by Market Participants.

A709 Reserve Pickup Reporting

- Project is currently in Phase D – Development
- Awaiting EMS and BAS deliverables from ABB
- Application testing is now underway
- Integration testing will occur after ABB deliverables

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. A major milestone was achieved in the past month when for the first time there were no outstanding Goal 7 issues.

A600 Metrics Dashboard	Open	Closed	Total
A600 Goal 7 for 2004 (03-21-04)	0	16	16
Average Business Days	0	31	31

A630 Automate Voltage Support Billing Calculation

- Project is in Phase B – Requirements Development however, the ability to move forward with the project is dependent upon the availability of resources.
- 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.

A636 85/15 Schedule 1 Split - Phase 1

- 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.

A689 Store Intermediate Billing Calculation Data

- The project is currently on hold.

A690 Grouped Units

- It was determined that this project must proceed as is has become a critical component for SMD. This project is now in Phase B – Requirements.
- 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.

A730 CSC Interim Solution

- Project is currently in Phase A – Concept of Operations
- Technical proposals being evaluated to contract with Scheduling Agent for interim solution.

A675 Billing Simulator

- A feasibility study has been completed.
- A proof-of-concept demonstration has been provided and the statement of work has been completed and signed.
- Hardware and software configurations have been completed.
- Use case reviews are on going.

A708 Consolidate NYISO Offices

- The facilities project has been restructured into three separate projects with the same priority. These projects are now defined as:
 - A708 New NYISO Facility
 - A724 PCC Modifications – Security
 - A734 Guard Deployment – 24x7
- Project plans for these three projects are being developed.

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 five 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

- Scope and requirements have yet to be fully defined.

A663 DSS Settlements Datamart IV

- Completed and deployed final report sets to support C&D deployment and Application Enhancements.
- Currently working on Holes Set 1, which is scheduled to deploy on April 8th.
- Project team is wrapping up work on including additional corporate reports definitions and expects this project to close out in April.

A664 DSS Enhancements V

- 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
- Completed FRS for ADD and waiting approval.

- Working on proof-of-concepts and SDS.
- Next DSS release: April 7th and 8Th: Automated Invoice & Transportable space
- Training and Mentoring:
 - Continue Quickstart/Mentoring program with Customer Settlement.
 - Started Quickstart / Mentoring program with Market Monitoring
 - Updated DSS introductory course training materials
- Updated Billing and Accounting Manual and awaiting approval.
- Working on November 1999 part 2 (scheduled to deploy week of March 1st and continuing work on November 1999 part 3.

A700 Computer System Availability Monitoring

- Scope and requirements have yet to be fully defined.

A699 MDEX Enhancements

- Scope and requirements have yet to be fully defined.

A704 Operational Information to the Marketplace

- Scope and requirements have yet to be fully defined.

A707 Assess Options to shorten Billing Cycle

- Scope and requirements have yet to be fully defined.

A705 Inter-ISO Standards for Market Messages

- Scope and requirements have yet to be fully defined.

A556 Documentum Implementation

- End user training began on February 24th and will continue on March 4, 9, and 10. The first training class was very well received.
- Rollout to the first two departments, Committee Support and Regulatory Affairs, is scheduled for March 23rd which is a confirmed goal 9 date.
- There is a great amount of interest from various departments wanting to implement Documentum.
- The next phase of the project will implement Documentum within IT to manage the SMD2 documentation and work of the FRS and SDS has begun.

A703 SW Development Lifecycle Tools

- Scope and requirements have yet to be fully defined.

A701 New Technology Initiatives

- 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 04.
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A660 E-Tagging Integration

- QA testing underway.

- Targeting deployment, Spring 2004 in Legacy.

A674 Facilities Management

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

A702 Enhanced Market Security

- Scope and requirements have yet to be fully defined.

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.