

**NYISO  
PROJECT PRIORITIZATION TEAM (PPT)  
AGENDA**

August 12, 2004

3:00 - 4:00 PM

Conference Call

**Dial In #: 303-262-2240**

**Participant Code #: 613-887**

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- |   |                      |                |
|---|----------------------|----------------|
| <b>1. Introduction and meeting objectives</b> | <b>Joe Oates</b>     | <b>3:00 PM</b> |
| <b>2. Review of action items</b>              | <b>Tim Schmehl</b>   | <b>3:02 PM</b> |
| <b>3. Status of project incentive goals</b>   | <b>Tim Schmehl</b>   | <b>3:05 PM</b> |
| <b>4. Report on projects budget</b>           | <b>Mary McGarvey</b> | <b>3:10 PM</b> |
| <b>5. Report on priority projects</b>         | <b>Tim Schmehl</b>   | <b>3:15 PM</b> |
| <b>6. Report on SMD project</b>               | <b>Rich Dewey</b>    | <b>3:30 PM</b> |
| <b>7. New business</b>                        | <b>Tim Schmehl</b>   | <b>3:50 PM</b> |
| • <b>Status of 2005 project selection</b>     |                      |                |
| <b>8. Adjourn</b>                             | <b>Joe Oates</b>     | <b>4:00 PM</b> |

## PPT Action Items

Updated 7/7/04

(Changes since last meeting in RED)

ID#	Initiated	Action Needed	Assignee	Target Date	Status
46	4/10/03	Integrate the "Project Description", "Project Status" and "Project Tracking" reports into a single comprehensive report. This will be addressed over next several months. Project scheduling software was upgraded in October. New reporting features are being evaluated for developing a prototype report to satisfy BS&P and PPT. The vendor provided upgrade to our project scheduling software was expected to deliver new capability to display customized project information. However, we have learned the full functionality is not available until we upgrade to the next software version - planned for June. In the interim, we created new pages on MDEX where we will post consolidated project information. The screens have been created in the test environment and we expect to begin posting individual project data in the coming weeks. <b>The software upgrade has been delayed until Q3 due to other higher priority issues in the PM dept.</b>	T. Schmehl	<b>Q3 2004</b> <del>Q2 2004</del> <del>Q1 2004</del> <del>10/10/03</del> <del>09/30/03</del> <del>5/27/03</del>	Open



## NYISO Projects Portfolio Status Report

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 Nov. 30.
- Designated as “exempt” priority meaning that resources are made available when and as needed to support the audit.

#### **A683 BEA Upgrade**

- The software code to implement BEA clustering into SMD2 has been transitioned to the SMD2 team.
- Clustering is now being implemented into SMD2 in preparation of go-live.
- Given the resource constraints and other priorities, the decision was made not to implement BEA clustering in the legacy environment.
- The project is now officially closed

#### **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 E – Project System Operation/Functional Test Phase.
- 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 E – Project System Operation/Functional Test Phase.
- Price Verification is in Phase E – Project System Operation/Functional Test Phase.
- MMRD Replacement is in Phase E – Project System Operation/Functional Test Phase.
- Probe support is in Phase E – Project System Operation/Functional Test Phase.
- The new Load Forecaster is in Phase E – Project System Operation/Functional Test Phase.

## **A574 SMD 2.0 ABB System Implementation Support**

### Market Trials:

- The SMD2 project team conducted two (2) Market Trial exercises during the month of July; a second day ahead market simulation and the first real-time market simulation.
- The Day Ahead Market Trial was a variation on the exercise that was conducted in June where Market Participants submitted bids, a simulated day ahead market was conducted, and the results were posted. The Real-time Market Trial was a significantly more complex test where bids were submitted by MPs for both that DAM and real-time markets, a day ahead market was conducted, 24 hours of real-time operation were simulated, and a bill was generated from the data that was collected.
- The Real-time Market Trial was the first end-to-end demonstration of the new SMD2 system for Market Participants. Both exercises received good participation on the part of the Market Participants.
- The results of the Day Ahead Market Trial were consistent with those results achieved during the first test and were largely successful. The Real-time Market Trial encountered stability problems during some hours of the test with the power system simulator that limited the opportunities to demonstrate operation of the new real-time applications.
- The periods where the simulator did not run resulted in gaps in the historical data that reduced the accuracy of the simulated bill that was created following the exercise. During the intervals where the simulator worked reliably, the new real-time applications worked according to their design.
- The integration between the NYISO software and the new ABB software worked effectively, and most modifications to the NYISO applications themselves were tested successfully. A number of software defects were identified and are being addressed prior to the next Market Trial exercise.

### ABB Development:

- ABB delivered a new software release that contained fixes to previously identified software defects, and a number of the Phase 2b development items.
- ABB development activities for Phase 2b is moderately ahead of schedule to deliver the remaining features required for the “Go Live” milestone.

## **A688 Inadvertent Package Replacement**

- Project is currently in Phase G - Closure
- Application was deployed into production on June 30.
- Currently preparing Lessons Learned documentation.

## **A697 Auto Sys Replacement**

- End User testing is currently being performed focusing on Billing and Market Monitoring functions.
- Site failover for both QA and the future production environments were successfully tested.
- A second Control M basic training course will kickoff next week.

### Next Steps:

- Continue to track progress on all testing tasks.
- Continue coordination efforts with the other SMD project managers in order to integrate all work and testing schedules.

#### **A696 SMD-DAC**

- All development is complete and testing continues.
- The project team is working with SMD and ABB to resolve outstanding SPR's identified during this testing phase.

##### Next Steps:

- Continue to track progress of all pending SPRs.
- Continue coordination efforts with the other SMD project managers in order to integrate all work and testing schedules.

#### **A667 Scarcity Pricing in SMD**

- This project implements the scarcity pricing calculations in SMD2.
- Coding / unit test complete.
- QA test to begin pending availability of SMD2 test environment. Current plan is to begin testing during the week of Aug. 9.

#### **A710 SMD Web Environment**

- SMD2's marketplace.nyiso.com, bidpost.nyiso.com and mis.nyiso.com continue to support the Market Trail exercises.
- SMD OASIS Web Posting is complete and supporting the Market Trial exercises.
- Billing information changes have been deployed to SMD2's bidpost.nyiso.com, allowing the Customer Statements in BidPost/OSS to be discontinued.
- Remaining SMD2 Web activities are Phase B Project Concept activities focused on integrating remaining legacy applications (e.g. eTagging) into the SMD2 web environments.

#### **A709 Reserve Pickup Reporting**

- Project is currently in Phase E - System Operational / Functional Test.
- Still waiting resolution of SMD2 PI tags and PI data issues.
- Scheduled deployment with SMD.

#### **A577 SMD2 Integration**

- The EAI interfaces supporting the Price Verification and Load Forecast processes are actively supporting the ongoing Market Trial exercises.
- The Phase III version of the Price Verification interface remains a Phase B definition activity.
- The EAI interfaces which provide the preMGF and DA Operating Plan to Transmission Owners are operational in the ongoing Market Trial exercises.
- Remaining EAI activities are Phase C design activities focused on delivering an EAI monitoring solution that will proactively detect errors and enhance the reliability of all NYISO's EAI solutions.

### **A729 MIS / BAS Cluster and Site Failover**

- Failover includes hardware mirror for MIS/LF & BAS/HIST, DataGuard for MIS/LF & Oracle Forms failover.
- Configuration of Hitachi TruCopy mirror was completed.
- MIS DataGuard configuration complete for production systems.
- Load Forecast DataGuard complete for QA systems.

### **A690 Grouped Units**

- Decision made not to deploy in legacy systems to enable focusing on implementation in SMD environment.
- Some QA testing however will be done using test legacy system environments
- QA testing is also proceeding in SMD environment.

### **A600 Open 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 at the time of the last BIG meeting as well as comparison to one-month and six-months prior. Note that four of the non-goal 7 issues currently open are non-IT issues. One is under guidance by special committee, two pertain to FERC regulatory actions, and one pertains to an ongoing dispute between two market participants.

<b>A600 – Open Billing Issues Status</b>			
<b>Number of Open Issues Needing Work</b>	<b>7/21/2004</b>	<b>7/7/2004</b>	<b>6/23/2004</b>
<b>Total Goal 7 Issues</b>	<b>4</b>	<b>6</b>	<b>6</b>
<b>Total Non-Goal 7 Issues</b>	<b>7</b>	<b>6</b>	<b>5</b>
<b>Total Issues</b>	<b>11</b>	<b>12</b>	<b>11</b>

### **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**

- This project has been placed on hold pending the availability of resources.

- 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.

**A676 Automate DAM Congestion Shortfall Calculation**

- 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 C – Design
- Project on schedule to complete design by end of November.

**A707 Process to Enhance the Settlement Cycle**

- Project requirements are currently being defined.

**A675 Billing Simulator**

- Project currently in QA testing.

**A708 Consolidate NYISO Offices**

- The development of a detailed layout (Phase II Lamb Report) is complete.
- The Site Selection process is continuing.
- Additional options and cost analysis (i.e. Integrated Facility vs. PCC only vs. ACC only) have been evaluated and presented to both the BSP and MC.
- A decision on which building option the NYISO will proceed with is expected in the September/October timeframe. A presentation to the Board is scheduled for Aug. 17.
- The responses to a questionnaire, sent to all ISOs, concerning infrastructure and security issue, have been received. A summary of the questionnaire responses has been prepared and will be distributed to responding ISOs the week of Aug. 2.

**A724 PCC Modifications – Security**

- Phase I work includes the Lobby and Guard House at the PCC and is in progress; expected completion in early September.
- The Phase II work (outer perimeter security) is in the process of being approved.
- A new Digital Messaging System (Target Vision) has been approved and will be installed in both the PCC (in the new lobby) and at Wash. Ave.

**A734 Guard Deployment – 24 x 7**

- Security stations have been set up at all four NYSIO facilities.

- The new security system (Diamond II) has been configured and rolled out to Wolf, Annex and Washington Ave. offices.
- Guards have been deployed at all facilities.

#### **A737 Migration to New Facility**

- A preliminary project plan has been developed.
- Advisory committees have been identified to break down the work of the migration and develop a detailed plan.
- Discussions with third parties are in progress to generate cost estimates for the migration.

#### **A739 Capital Improvements at PCC in Guilderland**

- A preliminary report has been written identifying possible modifications to be made.

#### **A649 Oracle Financials 9i Upgrade**

- This project includes upgrading the Oracle Financials application to 11i, upgrading the database to 9i, and moving application & data to new hardware.
- Technical Assessment by Solution Beacon for the upgrade was completed on July 19.
- Tentative approval received for proceeding with the upgrade, targeting Q1 2005 production implementation.

#### **A732 Oracle Forms Upgrade to 6i**

- FRS approved.
- Legacy / SMD2 Forms 6i server upgrade completed.
- QA / user testing complete - waiting for Change Tracker approval for deployment.
- Launchpad upgrade has been automated and will be sent out via email when Change Tracker is approved.

#### **A658 Facilitated Checkout**

- IMO and HQ plan to have checkout service in production by mid-July.
- Project team working with NYISO Operations to identify a convenient time to deploy Facilitated Checkout display to the NYISO control room (possibly June or July timeframe).

#### **A543 UCAP Market Automation**

- Project is currently in Phase E – Construction Phase.
- Coding phase extended until end of September.
- QA testing of the delivered builds is underway.

#### **A541 TCC Online Auction Automation**

- Project to resume in mid-August.
- Existing requirements to be reviewed.



#### **A706 Develop a Virtual Regional Dispatch**

- Scope and project requirements/deliverables are not yet defined.

#### **A664 DSS Enhancements V**

- Deployed Alternate Data Delivery (ADD) Phase 1 on July 7.
- MPs would like to have the 4-7 outage windows shifted to an earlier timeframe; team is evaluating potential solutions.
- By providing Daily and Hourly Advisory Customer Statements, this track helps eliminate one of the significant risks for SMD. This also means that DSS is now more tightly coupled with SMD changes.
- MPs response to ADD Phase 1 has been very positive thus far.
- Deployed Grouped Units (Structure changes that impacts DSS) on July 7.
- Working on enhancements and bug fixes to be deployed on Aug. 11.
- DSS/SMD 2 Integration (Production ready by Sept. 15).
- Completed requirements, working on design and development.
- Quickstart/Mentoring program: 90% completed with Customer Settlement,
- Continued working with Market Monitoring, started sessions with Credit and other internal departments.
- Conduct DSS Introduction and Intermediate trainings (both internal and external sessions).
- Training the trainers on DSS Introduction and Intermediate course.
- Continued working on staffing level for the DSS for remainder of the year.
- Unix resource availability and environment stability continue to be major risks.
- Started 2005 project planning and budgeting process.

#### **A699 MDEX Enhancements**

- Scope and requirements have yet to be fully defined.

#### **A704 Operational Information to the Marketplace**

- Scope and project requirements/deliverables are not yet defined.

#### **A705 Inter-ISO Standards for Market Messages**

- Scope and requirements have yet to be fully defined.

#### **A740 Documentum - IT Implementation**

- The FRS and SDS have been approved.
- A detailed project plan has been developed.
- Development is complete and testing is scheduled to begin the week of Aug. 11.
- Knowledge Transfer from contractors to NYISO resources is going very well.
- Deployment is planned for Sept. 23.

#### **A703 SW Development Lifecycle Tools**

- Bearing Point was contracted to perform an assessment of SW development lifecycle.

**A701 New Technology Initiatives**

- Scope and requirements have yet to be fully defined.

**A657 OSS SMD2 Support (15-Minute Schedules and ICAP Prescheduling)**

- Development complete. Targeted for integration with SMD SAT testing.
- Contingency plan under development to allow deployment to legacy base code.

**A702 Enhanced Market Security**

- Scope and requirements have yet to be fully defined.

**NYISO**  
**2004 BUDGET**  
**PROJECTS PLAN**  
**2004 BUDGET VS. ACTUAL BY PROJECT**


Project Type	Project ID	FRS?	Original Budget	YTD Actual 6/30/04	Commitments			Over/(Under) Run based on Original Budget
					Current	Pending	Total	
SMD 2.0 and related Projects	A510, A536, A559, A573-A574, A577, A667, A693, A696, A710, A729, A733	YES	\$ 23,285,776	\$ 14,834,936	\$ 5,251,702	\$ 2,670,854	\$ 7,922,555	\$ (528,285)
Automate TCC & UCAP auctions	A541-A543	YES	\$ 1,506,250	\$ 922,409	\$ 27,455	\$ 685,035	\$ 712,490	\$ 128,648
Facilitated Checkout	A545, A657-A660	YES	\$ 2,281,250	\$ 2,076,219	\$ 2,655	\$ 266,494	\$ 269,149	\$ 64,117
DSS	A548, A661-A664	YES	\$ 2,487,500	\$ 1,410,246	\$ 1,022,040	\$ 779,809	\$ 1,801,849	\$ 724,595
Documentum implementation - EDMS	A556, A740	YES	\$ 695,000	\$ 395,870	\$ 222,255	\$ 125,418	\$ 347,673	\$ 48,543
Billing Projects	A600, A630, A636, A638, A647, A685, A686, A688, A689, A712-A716	varies	\$ 1,006,250	\$ 856,299	\$ -	\$ 394,443	\$ 394,443	\$ 244,492
Controllable Tie Lines Scheduling & Pricing	A619, A730	YES	\$ 937,500	\$ 148,462	\$ -	\$ 903,033	\$ 903,033	\$ 113,995
Billing Simulator	A675	NO	\$ 1,775,000	\$ 2,145,322	\$ 15,168	\$ 289,675	\$ 304,843	\$ 675,165
MDEX Enhancements	A699	NO	\$ 1,287,500	\$ 122,516	\$ 19,005	\$ 425,773	\$ 444,778	\$ (720,207)
Develop a Virtual Regional Dispatch	A706	NO	\$ 625,000	\$ -	\$ -	\$ -	\$ -	\$ (625,000)
Process to Enhance the Settlements Cycle	A707	NO	\$ 525,000	\$ 20,000	\$ 20,000	\$ 108,800	\$ 128,800	\$ (376,200)
Consolidated NYISO Offices	A708	n/a	\$ 475,000	\$ 379,723	\$ 56,995	\$ 581,025	\$ 638,020	\$ 542,743
Black Out	BLCK	n/a	\$ -	\$ 87,035	\$ 10,106	\$ -	\$ 10,106	\$ 97,141
Other Market Enhancements	TBD, A095, A564, A620, A625, A630, A668, A676, A682, A687, A690, A691, A697, A700-A705, A709, A732	varies	\$ 4,841,163	\$ 1,006,958	\$ 230,923	\$ 556,218	\$ 787,141	\$ (3,047,064)
<b>Total</b>			<b>\$ 41,728,189</b>	<b>\$ 24,405,994</b>	<b>\$ 6,878,303</b>	<b>\$ 7,786,574</b>	<b>\$ 14,664,877</b>	<b>\$ (2,657,317)</b>

for 8/12/04 PPT meeting

Project ID	Project Description	Priority	Next Deployment	Project Manager	Project Sponsor	Estim Level	Remaining Hours	2005													
								Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	
<b>1 -- Priority Projects</b>																					
A725	2004 SAS 70 Type 2 Audit	Exempt		RUBIN	BUDD	N/A	N/A														
A573	SMD 2.0 Internal NYISO System Implementation	1	09/15/04	SMITH	CALIMANO & KING	2	6,891														
A574	SMD 2.0 ABB System Impementation Support	1	09/15/04	MILLS	CALIMANO & KING	2	15,837														
A697	AutoSys Replacement	1	Deploy w/ SMD	VETTER	FELL	3	974														
A696	SDAC Replacement	1	Deploy w/ SMD	VETTER	FELL	3	673														
A667	Scarcity Pricing in SMD	1	Deploy w/ SMD	RINALDI	KING	2	516														
A710	SMD Web Environment	1		MILLER	FELL	2	665														
A709	Reserve Pickup Reporting	1	Deploy w/ SMD	DEVINE	CALIMANO	3	793														
A577	SMD 2.0 Integration	1		MILLER	FELL	2	410														
A729	MIS / BAS Cluster and Site Failover	1		RINALDI	FELL	1	46														
A690	Grouped Units	2	Deploy w/ SMD	RINALDI	DAVIS	2	420														
A600	Open Billing Issues	2		DUFFY	DAVIS	1	4,984														
A630	Automate the Voltage Support Service Corrections	2		TBD	DAVIS	N/A	N/A														
A687	Automate Local Black Start Calculation	2		TBD	DAVIS	N/A	N/A														
A636	85/15 Rate Schedule 1 Split - Phase 1	2		TBD	DAVIS	N/A	N/A														
A689	Store Intermediate Billing Calculation Data	2		TBD	DAVIS	N/A	N/A														
A676	Automate DAM Congestion Shortfall Calculation	2		TBD	DAVIS	N/A	N/A														
A619	Controllable Tie Lines Scheduling and Pricing	3		FITTS	CALIMANO	2	10,838														
A707	Process to Enhance the Settlement Cycle	4		TBD	DAVIS	N/A	N/A														
A675	Billing Simulator	5		PELUSO	FELL	1	791														
A708	New NYISO Facility	6		FARNEY	RAGOGNA	N/A	N/A														
A724	PCC Modifications - Security	6	09/15/04	FARNEY	RAGOGNA	2	696														
A734	Guard Deployment - 24 x 7	6	10/01/04	FARNEY	RAGOGNA	2	42														

**Legend**
**Estimate Level**

- 1 - Class 100 Estimate Based on Concept of Operations
- 2 - Class 50 Estimate Based on Functional Requirements Specification
- 3 - Class 10 Estimate Based on Detailed Design
- \* - Estimate Through Identified Deployments Only

 Duration Based Schedule 





 Resource Limited Schedule 

 Deployment Milestone 

 Estimated FRS Completion 

Project ID	Project Description	Priority	Next Deployment	Project Manager	Project Sponsor	Estim Level	Remaining Hours	2005														
								Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug		
A737	Migration to New Facility	6		FARNEY	RAGOGNA	N/A	N/A															
A739	Capital Improvements of PCC in Guilderland	6		FARNEY	RAGOGNA	N/A	N/A															
A649	Oracle Financials Upgrades	7		RINALDI	FELL	N/A	N/A															
A732	Oracle Forms Upgrade to 6i	8	09/20/04	RINALDI	FELL	2	299															
A658	Facilitated Checkout	9		MARTIN	FELL	2	3,681															
A543	UCAP Market Automation	10		FITTS	KING	3	2,624															
A541	TCC Online Auction Automation	11		FITTS	KING	N/A	N/A															
A706	Develop a Virtual Regional Dispatch	12		VETTER	KING	N/A	N/A															
A664	DSS Market Monitoring Datamart I	13	08/11/04	LE	FELL	3	11,485															
A699	MDEX Enhancements	14		LE	MURPHY	N/A	N/A															
A704	Operational Information to the Marketplace	15		VETTER	KING	N/A	N/A															
A705	Inter-ISO Standards for Market Messages	16		PELUSO	FELL	N/A	N/A															
A740	Documentum - IT Implementation	17	11/05/04	FARNEY	SANFORD	3	2,268															
A703	SW Development Lifecycle Tools	18		FITTS	FELL	N/A	N/A															
A701	New Technology Initiatives	19		PELUSO	FELL	N/A	N/A															
A657	OSS SMD Support (15-Min Schedules and ICAP Prescheduling)	20		PELUSO	FELL	2	479															
A702	Enhanced Market Security	21		FITTS	FELL	N/A	N/A															


**Legend**

<p><b>Estimate Level</b></p> <p>1 - Class 100 Estimate Based on Concept of Operations</p> <p>2 - Class 50 Estimate Based on Functional Requirements Specification</p> <p>3 - Class 10 Estimate Based on Detailed Design</p> <p>* - Estimate Through Identified Deployments Only</p>	<p>Duration Based Schedule </p> <p>Resource Limited Schedule </p> <p>Deployment Milestone </p> <p>Estimated FRS Completion </p>
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Project ID	Project Description	Priority	Next Deployment	Project Manager	Project Sponsor	Estim Level	Remaining Hours	2005											
								Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
<b>2 -- Studies &amp; Training</b>																			
A680	Annual (2003) New York Area Transmission Review	1	09/14/04	COREY	BROWN	2	N/A												
A037	NYISO/TO Baseline Plan Study - 2001	2		COREY	BROWN	2	N/A												
A591	Calpine (was SkyGen) Waterford	3	08/30/04	COREY	BROWN	2	N/A												
A208	NYSEG Solutions So. Glens Falls Expansion (Reimbursable)	4		COREY	BROWN	2	N/A												
A679	SIS for Liberty Proposed Transmission Expansion	5	09/24/04	COREY	BROWN	2	N/A												
A682	NYISO Transmission Planning Process	6	12/28/04	COREY	BROWN	2	N/A												
A692	NYISO-NYSERDA Wind Generation Integration Study	7	01/06/05	COREY	BROWN	2	N/A												
A726	SRIS for the East Coast Power Linden Gen Expansion Project	8		COREY	BROWN	2	N/A												
A727	SRIS for the East Coast Power Linden VFT Inter-Tie Project	9		COREY	BROWN	2	N/A												
A741	SRIS for the Chautauqua Windpower (Reimbursable)	10		COREY	BROWN	2	N/A												
A742	SRIS - NM-NGrid Leeds-Pleasant Vly Prj.(Reimbursable)	11		COREY	BROWN	2	N/A												
A743	SRIS for the RG&E Ginna Uprate Project (Reimbursable)	12		COREY	BROWN	2	N/A												
A744	SRIS for the Invenergy High Sheldon Windfarm Project	13		COREY	BROWN	2	N/A												
A745	SRIS for the Summer 2004 Mobile Gen. (Reimbursable)	14		COREY	BROWN	2	N/A												
A746	SRIS for the ConEd Mott Haven Subst. (Reimbursable)	15		COREY	BROWN	2	N/A												
A621	Restoration Sensitivity Studies	N/A		WALDELE	CALIMANO	N/A	N/A												
A645	Operations Reactive Study	N/A		WALDELE	CALIMANO	N/A	N/A												
A672	Quebec - New York Interconnection Limit Analysis	N/A		WALDELE	CALIMANO	N/A	N/A												
A673	Athens Generation In-Service Operating Study	N/A		WALDELE	CALIMANO	N/A	N/A												

**Legend**
**Estimate Level**

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- 3 - Class 10 Estimate Based on Detailed Design
- \* - Estimate Through Identified Deployments Only

 Duration Based Schedule 

 Resource Limited Schedule 

 Deployment Milestone 

 Estimated FRS Completion 

# NYISO SMD2 Executive Dashboard

Thursday, August 12, 2004

## Summary:

The second of three (3) planned Real-time Market Trial exercises was successfully conducted on August 5th. Each Market Trial exercise represented simulations of both the Day Ahead and Real-time markets, with the 2nd trial containing a slightly more challenging load profile. The second trial was considerably more successful than the first in that simulator stability was improved, real-time data collection for the billing process was more complete, the simulation was more challenging in that real-time power system events were included, and fewer overall defects were identified. All the defects recorded in the Market Trials to date are within reasonable bounds and have been easily corrected. Preparations are underway to improve performance for the third exercise.

Task	Revised Status	%	June				July				August				September				October				November				December				Issues, (Updates)
			7	14	21	28	5	12	19	26	2	9	16	23	30	6	13	20	27	4	11	18	25	1	8	15	22	29	6	13	
<b>Documentation Activities</b>																															
1	NYISO Review / Approval of RANGER SDDs	Yellow	45																												
2	NYISO Review / Approval of User Manuals	Yellow	20																												
3	NYISO Review / Approval of "As Built" Docs	Not Started																													
<b>ABB Application Development</b>																															
4	NYISO Approval of Phase 2b FDS / STS	Green	55																												
5	ABB Phase 2b Development	Green	65																												
6	NYISO Approval of Phase 3 FDS / STS	Not Started																													
7	ABB Phase 3 Development	Not Started																													
<b>NYISO Application Modifications</b>																															
8	MIS Development	Green	95																												
9	MIS / SRE and OOM Development	Green	75																												
10	SMD BAS Development	Yellow	85																												
11	BAS / Grouped Units Development	Red	85																												
12	PTS Development	Red	90																												
13	AMP Project Development	Green	95																												
14	SMD-DAC Implementation	Yellow	80																												
15	Web Posting Redesign	Green	85																												
16	AutoSys Replacement / Job Scheduling	Green	70																												
17	SMD Fail-over	Yellow	40																												
18	Reserve Pick-up Reporting	Green	95																												
19	Scarcity Pricing for SMD	Red	40																												
20	Load Forecasting Tool	Yellow	90																												
21	DSS SMD Modifications	Yellow	40																												
<b>Project Test Planning</b>																															
22	Develop detailed MT/SAT Test Procedures	Green	85																												
23	Develop Cut-over Test Plans	Green	60																												
24	Approve Phase 2b FAT Plans	Not Started																													
25	Approve Phase 2b FAT Procedures	Not Started																													
<b>FAT / SAT Test Activities</b>																															
26	Phase 2a Performance / Stability Tests	Yellow	50																												
27	Phase 1 and 2a SPR Verification	Yellow	25																												
28	Phase 2b Pre-FAT / SIAT	Not Started																													
29	Phase 2b FAT / SAT	Not Started																													
<b>Infrastructure Activities</b>																															
30	Database / Model Updates	Yellow	60																												
31	Hardware Additions / QA	Green	30																												
32	Hardware Additions / Network	Yellow	75																												
<b>Market Trial Activities</b>																															
33	QA Integration Testing	Green	40																												
34	Market Operations Testing	Green	40																												
35	Real-time Customer Trial 1	Green	✓																												
36	Real-time Customer Trial 2	Green	50																												
37	Real-time Customer Trial 3	Not Started																													
<b>Cut-over / "Go Live" Activities</b>																															
38	Market Trial Review; MP Readiness	Not Started																													
39	FERC Notification	Not Started																													
40	Data Preparation	Not Started																													
41	SMD2 Deployment	Not Started																													
42	Availability Test Period	Not Started																													

**Status Legend:** ■ On-track ■ Some issues ■ Critical ■ Not started ■ Delayed ■ Delayed w/some risk ■ Delayed and Critical ◆ Contract Milestone ◆ Payment Milestone

## Project Risks

Risk	Prob.	Impact	Mitigation
1 Facilities Concerns; Computer Room Cooling / UPS	High	High	Detailed Assessment; Procure Additional Capacity
2 Software Configuration Management Problems	High	Medium	Initiation of Change Control Board
3 Inadequate Training for Ancillary Staff	High	Medium	Use Task Assignments to Maximize Cross-training
4 Inadequate Time for Dispatcher Training	Medium	High	Increased System Exposure Through FAT Exercises
5 Inadequate QA Test Capabilities (HW / Staff)	Medium	Medium	Detailed Planning of Environment and Tasks
6 RTS Design Unproven, Potential for Failure	Medium	High	Detailed Factory and Site Testing.

## Recent Project Milestones

Completed	Missed
1st Real-time Market Trial Completed.	Performance Tests Deferred.

## Hot Issues

Urgency	Description	Responsible	Due date
■	<p><b>Operations Training Schedule Risks</b></p> <p>The convergence of several factors (Acceptance testing, document review / approval, ISS system problems, etc.) have created a risk situation that the desired amount of Dispatcher training can be accomplished. Current problems with the ISS seem to be resolved, but the delays have resulted in a shortened preparation time for Dispatcher Training staff to plan training scenarios.</p> <p><b>Next Step: Training started. Project team and ABB continually tracking progress; will continue to monitor.</b></p>	Bob Miskanin Dick Mills	Ongoing
■	<p><b>Computer Room Facilities - Cooling and Power Supply</b></p> <p>The PCC computer room has inadequate UPS capacity to support the full compliment of SMD2 hardware. The rear computer room at the PCC also has inadequate capacity to provide cooling with any redundancy. The Wolf Road computer room UPS is at capacity, and the cooling system is already overloaded.</p> <p><b>Next Step: Temporary power solution provided for both Wolf Road and PCC. Setup and configuration of temporary power at PCC is gating new SMD hardware implementation.</b></p>	Rich Dewey Greg Goodrich Eric Adams	Ongoing
□			

**Overall Project Status:**

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**Project Financial Status:**

The project incentive milestone for completion of the Phase 2a Factory Acceptance Testing (FAT) has been reached by ABB and has been approved by the NYISO. There were certain incremental deliverables supplied, and minor deficiencies corrected, that were achieved by the end of June for ABB to receive the \$1M payout. As compensation for the minor deficiencies in the Phase 2a deliverable, ABB delivered an additional set of enhancements to the SMD2 product. The NYISO and ABB reached agreement on this set of enhancements as incorporated in SMD2 Contract Amendment 6 that was signed by both parties.

**ABB Development Status:**

Phase 2b development is well underway, with the delivery of most items ahead of schedule. A software build was delivered on July 27th to support the second Real-time Market Trial, which contained a number of the Phase 2b deliverables. It is anticipated that the balance of the Phase 2b items can be delivered prior to the "Go Live" build that will be delivered during the third week of August. ABB is keeping up with the requirements to provide fixes to High severity SPRs, and the rate by which the NYISO staff can validate them has been improving.

**NYISO Development Status:**

NYISO development activities continue to track with the ABB delivery cycle. A significant number of defects have been addressed and resolved in the Load Forecasting system, and some minor testing delays had been encountered with the PTS application due to integration problems with PI. The development deliverables for the Billing and Accounting System (BAS) continue to be high-risk as the team works to recover after earlier delays to establishing the testing environment, as well as the late integration of the Grouped Units software development. Web development continues to track according to the plan.

**Project Integration Status:**

Day Ahead and Real-time Market Trial exercises continue to proceed according to the published schedule. Defects encountered during the trials have been repaired during the off weeks between trial events. The number of overall defects, as well as the issues reported by Market Participants, are low relative to the magnitude of the effort. Continued, parallel efforts are ongoing on the part of Market Operations and Quality Assurance to validate the overall integrated operation of the new SMD2 system and related applications.

**Other Project Information:**

SMD2 Training for both employees and Market Participants has been ongoing. Attendance at these sessions has been high and feedback has been positive. A new set of customized training classes are starting to be developed for NYISO internal staff to focus on the changes between current system architectures and the new SMD2 systems.