

NYISO
PROJECT PRIORITIZATION TEAM (PPT)
AGENDA

December 5, 2003

10:00 - 11:30 AM

Teleconference

Dial In #: 225-383-8961

Participant Code #: 173922

1. Meeting objectives	Joe Oates	10:00 AM
2. Review of action items	Tim Schmehl	10:05 AM
3. Status of project-related incentive goals	Larry Farney	10:15 AM
4. Prioritization of 2004 projects	Tim Schmehl	10:25 AM
5. Report on 2003 projects budget	Mary McGarvey	10:40 AM
6. Status of active projects	Tim Schmehl	10:50 AM
7. SMD project status report	Rich Dewey	11:05 AM
8. New business	Joe Oates	11:20 AM
9. Adjourn		11:30 AM

Meeting Objectives:

- Review prioritization of 2004 projects
- Review status of 2003 projects
- Review SMD project status

PPT Action Items

Updated 10/10/03

(Changes since last meeting in **RED**)

ID#	Initiated	Action Needed	Assignee	Target Date	Status
52	09/10/03	Provide update on method and data needed from LIPA to process billing for Cross Sound Cable when power flows NY to CT (north).	T. Duffy	Report each month	Open
50	5/22/03	Provide a monthly report to PPT on progress made with the Reserve Pick-up application. A new project A709 was initiated to redesign the RPU application for implementation in SMD. The FRS and SDS are drafted and undergoing final review.	J. Hickey	Report each month	Open
44	4/10/03	Evaluate if A649 (Oracle 9i upgrades) should be broken into separate projects. Also, set A649 to priority 7 thus moving projects 2 – 7 move up in priority. BAS upgrade is next milestone. Will re-evaluate priority after the BAS upgrade – now scheduled for Oct. 17.	L. Farney	12/05/03 10/17/03 8/27/03 5/27/03	Open
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.	T. Schmehl	Q1 2004 10/10/03 09/30/03 5/27/03	Open
1	12/04/02	BIC requested consideration of: Steam units being turned off at day’s end but needed next day for reserves. Perform an assessment of options (LECG) and develop order of magnitude estimate of effort required. Issue was discussed at the 8/29 NYISO-NY Generators meeting. Staff proposed potential generator actions to relieve this concern. Additional steps, as necessary, will be evaluated at a future NYISO-NY Generators meeting (or SPWG). Any future software project identified would be post-SMD. Ray to provide report after conferring with MSWG.	R. Stalter	12/05/03 10/10/03 08/27/03 4/30/03	Open

**NYISO 2003 Project-related Incentive Goals
Status as of 12/1/2003**

Goal # 7 Billing Projects					Threshold	Target	Superior
Improve the billing true-up process							
a) DSS Strategic Projects (Data Warehouse)							
Availability of Billing Codes					90%	92%	95%
Current Status				10/3/2003			95%
			60 Codes	44%			
b) Project A583 Billing System Improvements Phase II							
Web Based Reconciliation Subproject only					6/30/2003	4/30/2003	3/31/2003
Current Status				8/12/2003			
				Missed			
Goal # 10 Project Management and SMD 2.0					Threshold	Target	Superior
Improve Project Management Deliverables (Weighted 20%)							
a) On-Time Completion of high profile, high priority projects					Miss 3	Miss 2	Miss 1
Number of Qualified Projects (12 needed)					7		
- Number of "Hits"					6		
- Number of "Misses"					1		
- Number Being Evaluated:					0		
- Number Yet to be deployed					0		
Number of Projects Likely to Qualify					2		
Current Status							7/12 of payout
b) SMD2.0 Project Deliverables							
I. Completion of Factory Testing					11/14/2003	10/9/2003	9/15/2003
Current Status				Missed			
II. Start of Market Trials					12/31/2003	11/25/2003	11/1/2003
Current Status				Superior			10/31/2003

Goal 10					
ID	Project Name - Deployment	FRS Approval Date	Deployment Date (125% of Scheduled Duration)	Actual Deployment Date	Hit or Miss
Projects Qualified for Goal 10					
A614	Day Ahead Demand Response	4/11/2003	7/20/2003	7/16/2003	Hit
A637	GT Management II - Persistent Dragging	6/23/2003	N/A	6/24/2003	Hit
A667	Scarcity Pricing	5/16/2003	6/16/2003	6/17/2003	Miss
A668	Non-Competitive Proxy - Price Setting and Posting	4/11/2003	6/10/2003	6/17/2003	Hit
A669	ClearQuest Implementation	6/3/2003	8/13/2003	8/7/2003	Hit
A683	BEA Upgrade - Phase I	9/2/2003	11/8/2003	9/30/2003	Hit
SRIS	Security and Reliability Impact Studies - 1st Half	N/A	N/A	N/A	Hit
Projects Likely to Qualify for Goal 10					
A686	New Adjustment Allocation Basis - EDRP Allocations - Thunderstorm Alert - NYC Zone - Quick Start Reserves				
SRIS	Security and Reliability Impact Studies - 2nd Half	N/A	N/A		
Projects which did not Qualify for Goal 10					
A619	TransEnergie LI Sound Cable - Bidding and Scheduling - Phase III (Will not be deployed in 2003)				Not Qualified
A623	New Loss Calculation (> 50% of hours expended prior to the FRS approval)	1/17/2003	N/A	3/25/2003	Not Qualified
A647	Station Power - Model SP Loads (Study completed with no FRS or formal project plan)				Not Qualified
A649	Oracle 9i Upgrades - MIS/Autosys (IT Implementation - No FRS)	N/A	N/A	3/9/2003	Not Qualified
A668	Non-Competitive Proxy - BAS BPCG Limitation				
A688	Inadvertent Energy Package				

Ranking of 2004 Projects			
As approved by the SMSC on 11/20/03			
Project Name	ID #	2004 Budget (\$ millions)	Priority
SMD 2.0	several	\$23.0	1
Billing Projects	several	\$1.0	2
Controllable Tie Lines Scheduling & Pricing	A619	\$0.9	3
Billing Simulator	A675	\$1.7	4
Consolidate and Secure NYISO Facilities	A708	\$0.5	5
Facilitated Checkout	several	\$2.3	6
TCC & UCAP Auction Automation	A541/543	\$1.5	7
Develop a Virtual Regional Dispatch	A706	\$0.6	8
DSS Enhancements	A664	\$2.5	9
Computer Systems Availability Monitoring	A700	\$1.0	10
MDEX Enhancements (Portal)	A699	\$1.3	11
Operational Information to the Marketplace	A704	\$0.2	12
Inter-ISO Standards for Market Messages	A705	\$0.6	13
Assess Options to Shorten Billing Cycle	A707	\$0.5	14
Documentum Implementation	A556	\$0.7	15
SW Development Lifecycle Tools	A703	\$0.3	16
New Technology Initiatives	A701	\$0.7	17

This is the ranking of 2004 budgeted projects as approved by NYISO Senior Management Strategic Committee (SMSC) on Nov. 19th.

Definitions for Assigning Points


Criteria	Points			
	Not Applicable	Low	Medium	High
	0	1	2	3
Alignment with Strategic Objectives	Not Applicable	Minimal role to achieving strategic objectives	Contributes to achieving strategic objectives	Major driver to achieving strategic objectives
Regulatory/Legal Environment	Not Applicable	No regulatory requirement/ minimal compliance or litigation exposure	Pending regulatory requirement/moderate compliance or litigation exposure	Immediate regulatory requirement/high compliance or litigation exposure
Market Value	Not Applicable	Quantified value < \$5M	Quantified value \$5-25M	Quantified value > \$25M
System Reliability	Not Applicable	Quantified value to NYISO Operations	Quantified value to NYISO Operations and one or more MP Operations	Quantified value to NYISO Operations and neighboring CA's
Risk Avoidance	Not Applicable	Quantified market risk < \$5M or reliability risk to local area	Quantified market risk \$5-25M or reliability risk to NYCA	Quantified market risk > \$25M or reliability risk to region
Workforce Environment	Not Applicable	Workforce environment remains at current levels	Moderate improvement in workforce environment	Significant improvement in workforce environment
Organizational Efficiency	Not Applicable	Quantified savings < \$100K or < 1 FTE	Quantified savings \$100-500K or 1-5 FTEs	Quantified savings > \$500K or > 5 FTEs

2004

Project ID	Project Description	Priority	Next Deployment	Project Manager	Project Sponsor	Estim Level	Remaining Hours	2004											
								Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
1 -- Priority Projects																			
A639	2003 SAS 70 Type 2 Audit	Exempt		RUBIN	BUDD	1	1,608												
A583	Billing System Improvements - Phase 2	1	Deployed	MCGINNIS	FRANKOWSKI	3	285												
A649	Oracle 9i Upgrades	2	01/13/04	FARNEY	FELL	2	1,054												
A683	BEA Upgrade	3	Deployed	FARNEY	FELL	3	353												
A573	SMD 2.0 Internal NYISO System Implementation	4	04/01/04	SMITH	CALIMANO & KING	2	27,083												
A574	SMD 2.0 ABB System Implementation Support	4	04/01/04	MILLS	CALIMANO & KING	2	28,998												
A620	AMP IV Including Startup & Mingen Mitigation	4	01/28/04	PELUSO	BUDD	2	1,143												
A688	Inadvertent Package Replacement	4	01/20/04	MCGINNIS	FRANKOWSKI	2	145												
A697	AutoSys Replacement	4		VETTER	FELL	N/A	N/A												
A696	SDAC Replacement	4		VETTER	FELL	1	1,377												
A647	Station Power Accounting	4	12/09/03	VETTER	FRANKOWSKI	2	1,108												
A559	SMD 2.0 Integration	4		MILLER	FELL	2	2,199												
A686	Allocation Adjustments (EDRP, TA, QSR)	4		MCGINNIS	FRANKOWSKI	1	836												
A710	SMD Web Environment	4		MILLER	FELL	N/A	N/A												
A600	Open Billing Issues	5		DUFFY	FRANKOWSKI	1	786												
A636	85/15 Rate Schedule 1 Split - Phase 1	5		MCGINNIS	FRANKOWSKI	N/A	N/A												
A687	Automate Local Black Start Calculation	5		MCGINNIS	FRANKOWSKI	N/A	N/A												
A685	85/15 Rate Schedule 1 Split - Phase 2	5		MCGINNIS	FRANKOWSKI	N/A	N/A												
A689	Store Intermediate Billing Calculation Data	5		MCGINNIS	FRANKOWSKI	1	1,222												
A690	Grouped Units	5		MCGINNIS	FRANKOWSKI	N/A	N/A												
A630	Automate Voltage Support Billing Calculation	5		MCGINNIS	FRANKOWSKI	N/A	N/A												
A676	Automate DAM Congestion Shortfall Calculation	5		MCGINNIS	FRANKOWSKI	N/A	N/A												
A619	Controllable Tie Lines Scheduling and Pricing	6		FITTS	CALIMANO	2	6,193												
A675	Billing Simulator	7		MCGINNIS	FRANKOWSKI	N/A	N/A												
A708	Consolidated NYISO Offices	8			RAGOGNA	N/A	N/A												
A658	Facilitated Checkout	9		MARTIN	FELL	2	4,544												
A543	UCAP Market Automation	10	08/04/03	FITTS	KING	2	11,718												

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	2004														
								Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
A541	TCC Online Auction Automation	11		FITTS	KING	N/A	N/A															
A706	Develop a Virtual Regional Dispatch	12			KING	N/A	N/A															
A663	DSS Settlements Datamart IV	13	12/08/03	PETERS	FELL	2	2,876															
A664	DSS Market Monitoring Datamart I	13		PETERS	FELL	2	12,000															
A700	Computer Systems Availability Monitoring	14			FELL	N/A	N/A															
A699	MDEX Enhancements	15			MURPHY	N/A	N/A															
A704	Operational Information to the Marketplace	16			KING	N/A	N/A															
A705	Inter-ISO Standards for Market Messages	17			FELL	N/A	N/A															
A707	Assess Options to Shorten Billing Cycle	18			FRANKOWSKI	N/A	N/A															
A556	Documentum Implementation	19		FARNEY	SANFORD	1	297															
A703	SW Development Lifecycle Tools	20			FELL	N/A	N/A															
A701	New Technology Initiatives	21			FELL	N/A	N/A															
A657	OSS SMD Support (15-Min Schedules and ICAP Prescheduling)	22		MARTIN	FELL	2	4,168															
A660	E-Tagging Integration	23		MARTIN	FELL	1	2,412															
A674	Facilities Management	24		FARNEY	CALIMANO	2	1,097															

Legend

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- Duration Based Schedule
- Resource Limited Schedule
- Deployment Milestone
- Estimated FRS Completion

2004

Project ID	Project Description	Priority	Next Deployment	Project Manager	Project Sponsor	Estim Level	Remaining Hours	2004											
								Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
2 -- Studies & Training																			
A212	2002 New York Area Transmission Review	1		COREY	BROWN	2	N/A												
A680	Annual (2003) New York Area Transmission Review	2	03/01/04	COREY	BROWN	2	N/A												
A037	NYISO/TO Baseline Plan Study - 2001	3		COREY	BROWN	2	N/A												
A213	Class 2002 Cost Allocation	4		COREY	BROWN	2	N/A												
A681	Class 2003 Cost Allocation (Including ATBA and ATRA)	5	10/28/04	COREY	BROWN	2	N/A												
A591	Calpine (was SkyGen) Waterford	6	01/02/04	COREY	BROWN	2	N/A												
A208	NYSEG Solutions So. Glens Falls Expansion (Reimbursable)	7	12/18/03	COREY	BROWN	2	N/A												
A653	SRIS / Global Winds Harvest Prattsburgh Project	8	12/29/04	COREY	BROWN	2	N/A												
A655	SRIS for the Bay Energy Project (Reimbursable)	9	12/31/03	COREY	BROWN	2	N/A												
A678	SRIS for the Conjunction Empire Conn. HVDC Project	10	01/06/04	COREY	BROWN	2	N/A												
A679	SIS for Liberty Proposed Transmission Expansion	11	04/21/04	COREY	BROWN	2	N/A												
A682	NYISO Transmission Planning Process	12	12/28/04	COREY	BROWN	2	N/A												
A617	Develop Transfer Limits for 2002 MARS Study	13		COREY	BROWN	2	N/A												
A618	Develop Access to Historic System Data	14	12/24/03	COREY	BROWN	2	N/A												
A692	NYISO-NYSERDA Wind Generation Integration Study	15	01/06/05	COREY	BROWN	2	N/A												
A694	SRIS for the RG&E 4th Station 80 Transformer	16	12/10/03	COREY	BROWN	2	N/A												
A695	SRIS for Uprates of the Entergy Indian Point Nuc Units [NEW]	17		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												

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 Estimated FRS Completion 

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 is in the midst of fieldwork for the 2003 audit that spans from July to December.
- Designated as “exempt” priority meaning that resources are made available when and as needed to support the audit.

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 as well as those internal items identified by the BIG as Goal 7 issues.

A600 – Open Billing Issues Status				
Sept/Oct	Open Issues at Month Beginning	Closed Issues	New Issues Opened	Open Issues at Month Ending
All issues – Sept*	48	16	8	36
All issues – Oct	36	3	8	41
Goal 7 issues	4	8	6	2

*These changes are due to adjusting the database to reflect issues that were closed throughout Sept and August but updated after the September month-end submission. (Source Billing Issues Group weekly report)

A583 Billing System Improvements Phase 2

- Web based reconciliation was deployed successfully on August 13.
- Additional features will be deployed on Nov 20.

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.
- A fully configured QA environment has been created. QA baselines have been run.
- A test of the Oracle upgrade was conducted in early November.
- Upgrade of BAS to Oracle 9i is expected in late November or early December.

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.
- Scheduling of the second phase is now being reviewed to assess the timing and impact on the SMD project.

A620 AMP IV including Start-up and Min Gen Mitigation

- Project is currently in Phase C – Design.
- FRS in approval process
- AMP IV will be incorporated into SMD phase 1.

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.
- A prototype application has been developed and is being tested by the business owner.

A697 Auto Sys Replacement

- The project team opted to move forward with the Control M solution.
- Control M has been visiting the NYISO to install software so that the rest of the technical evaluation can be performed.
- Requirements still need to be documented, specifically referring to the customizations that would be required for the Billing and DSS systems.
- A matrix has been created and sent out to all functional areas of the business to identify all jobs, scripts, script changes, additions, and deletions.
- A work breakdown structure is in the progress of being created.
- The Auto Sys Replacement was a component part of project A573 and is now being proposed as a separate project (A697) for scheduling and resource tracking purposes.

A574 SMD 2.0 ABB System Implementation Support

- All the functional tracks of Factory Acceptance Testing (FAT) are essentially complete.
 - Integration tests (recovery, performance, and stability) and verification of remaining defect reports remain before FAT can be complete.
- Environment readiness activities have completed to prepare the NYISO platforms for the start of Site Acceptance and Market Trials.
- Software integration between the ABB software and the MIS has been completed, and the preliminary Site Acceptance Testing (SAT) activities of Market Trials were launched with testing exercises for the ICCP connections to the Transmission Owners and integration testing between the MIS and ABB systems.
- Delays in FAT 1, and growth in Phase 2 scope due to prior feature deferrals and design changes, make it seem that all Phase 2 features cannot be implemented by April 1 deployment assuming the planned Market Trials test schedule. Scope analysis activities are being performed to determine if certain non-critical features can be deferred to help recover schedule.

A573 SMD 2.0 Internal NYISO System Implementation

- MIS interfaces are in Phase E – Project System Operation/Functional Test Phase.
- BAS interfaces are in Phase D – Build/Unit-Sub System Test.
- MIS/BAS rules changes are in Phase D – Build/Unit-Sub System Test.

- 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 D – Build/Unit-Sub System Test

A696 SMD-DAC Replacement

- First draft of a FRS has been documented, received feedback and is pending modifications and further review.
- The project team opted to for a solution involving both the D20 RTU's and RFL bridge (bridge would be the contingency). Awaiting receipt of RFL proposal.
- A Statement of Work has been created for Tom Woodrow's portion of development. The SOW is currently pending John Hickey's review and approval.
- Key project team members are coordinating a visit from GE Harris to spec out the D20's.
- A high-level work breakdown structure has been created and discussed with the project team. Modifications to the plan are currently being performed.
- SMD-DAC was a component of project A573 and is now being proposed as a separate project (A696) for scheduling and resource tracking purposes.

A647 Station Power Accounting

- Project is currently in Phase D Project Build/Unit Subsystem Test Phase
- All remaining open issues are closed, with the exception of the State Gross Receipt Tax issue, which is still being explored by Mollie Lampi.
- The final FRS and SDS versions will be documented and sent out for final approval.
- MIS and Web components of this project were successfully tested and deployed into production ahead of schedule.
- BAS development was performed and completed on October 17. A change order has been completed and the code is pending an available test environment. Testing will be completed and deployment is still on schedule for November 18.
- ConInvoice code development is progressing slowly, but is still on schedule to be completed by the beginning of December.

A686 Allocations Adjustments (EDRP, TSA, QSR)

- Project is currently in Phase B – Development.
- 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).

A559 SMD 2.0 Integration

- Phase D (Development) activities for SMD's EAI interfaces continue. The first release of EAI interfaces will enter Phase E (QA/System Test) shortly.
- Portal's final Phase F (Deployment) activities have concluded with the release of MDEX. The MDEX Portal project team is providing limited maintenance support.
- The Work Scheduling activities specific to BMC's Control-M application are now managed in a separate project A697.
- EAI components to support the OSS PJM Ramp solution are in production; only knowledge transfer activities remain.
- SMD Market Trial environments for EAI are nearing readiness at the PCC and ACC (Wolf Road).

A663 DSS Settlements Datamart IV

- Design, Development and QA progressing according to Plans
- Conducting SMD2 impact analysis.
- Issues related to BAS/MIS table structure related to the November 1999 final invoice may impact deployment, which is scheduled for December 6.

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

- Development complete, pending stabilization testing.
- Targeted for integration with SMD SAT testing in November 2003.

A543 UCAP Market Automation

- Project is currently in Phase E – Construction Phase
- The contractor delivered two code builds.
- QA Environments set up in progress to test the delivered builds.
- Design and implementation in progress.

A619 Controllable Tie Lines Scheduling & Pricing

- Project is currently in Phase C – Design.
- NYISO is actively exploring the use of a third party to provide the secondary service scheduling.

A658 Facilitated Checkout

- ISO-NE has implemented FCO Web service that is being tested by NYISO; this completes successful pilot implementation between NYISO and ISO-NE.
- All Northeast control areas agreed to target implementation of FCO Web service for transaction data exchange by the end of 2003.
- Draft FCO technical specification published and reviewed at November 6 NPCC meeting. Final specifications targeted for December 2003.
- Reference implementation of final FCO specification at NYISO targeted for Q1 2004.
- Conducted development checkpoint with Operations to review progress on new FCO application (feedback positive).

A660 E-Tagging Integration

- FRS complete and reviewed by business stakeholders.
- Technical design complete, reviewed, and approved.
- Development for Operations use cases (intelligent approve tag and automated tag updates) underway.
- Targeting deployment along with SMD release to allow adequate time for training and deployment preparation.
- MP functionality (enhanced tagging related tools) to follow in 2004.

A674 Facilities Management

- Construction to build out the ACC and Dispatcher training at the Wolf Road facility is nearing completion.
- The Sonnet Ring is now partially functional.

A556 Documentum Implementation

- The contract was awarded on Oct. 3 to Trinity Technologies/Documentum.

- The vendor was be on-site and began the implementation on Oct 29th.
- The project kickoff meeting was held on Nov. 3 and was attended by 35 NYISO employees from across the organization
- Work on the FRS is underway and is scheduled to be complete on Nov 11 and approved by Nov 21.

A556 SMD Web Environment

- The project will address web environment changes needed to support the SMD implementation.

Second Tier Projects

Projects designed as Second Tier are considered lower priority than those described above. Work may proceed on these projects provided there are no resource conflicts with the higher prioritized projects or if outside resources can be used.

A541 TCC Online Auction Automation

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

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.
- Customer Settlements will continue to calculate this component of customer bills manually until a software solution is made available.

A685 85/15 Schedule 1 Split - Phase 2

- Project has been delayed into 2004.

A664 DSS Market Monitoring Datamart I

- Requirements development has been postponed until 2004.

A689 Intermediate Data

- Project has been delayed into 2004.

A687 Local Black Start

- Project has been delayed into 2004.

A690 Grouped Units

- Project has been delayed into 2004.

A675 Billing Simulator

- A feasibility study is being completed, however design and implementation of this project will be delayed into 2004.

A630 Mechanize Grid Accounting Voltage Support

- Project has been delayed into 2004.

A676 DAM Congestion Shortfall Reduction

- Interim capability to bill for DAM Congestion Reduction Shortfall will be implemented as part of A686 Allocation Adjustments.
- Automation of the billing process is delayed into 2004.

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.

NYISO SMD2 Executive Dashboard

Thursday, November 13, 2003

Summary:

All the functional tracks of Factory Acceptance Testing (FAT) are essentially complete. Integration tests (recovery, performance, and stability) and verification of remaining defect reports remain before FAT can be completed. Environment readiness activities are underway to prepare the NYISO platforms for the start of Site Acceptance and Market Trials. Software integration between the ABB software and the MIS has been completed, and the preliminary Site Acceptance Testing (SAT) activities were launched with testing exercises for the ICCP connections to the Transmission Owners and integration testing between the MIS and ABB systems.

Task	Status	%	July				August				September				October				November				December				January				Issues, (Updates)
			7	14	21	28	4	11	18	25	1	8	15	22	29	6	13	20	27	3	10	17	24	1	8	15	22	29	5	12	
Documentation Activities																															
1	NYISO Review / Approval of RANGER SDDs	Green	10																										Re-scheduled to second quarter.		
2	NYISO Review / Approval of User Manuals	Not Started																													
ABB Application Development (Phase 2)																															
3	NYISO Review and Approval of FDS / STS	Yellow	60																												
4	ABB Build / Unit Test	Red	25																												
NYISO Application Modifications																															
5	Functional Requirement Development	Yellow	80																												
6	Technical Design	Yellow	60																												
7	MIS Development	Yellow	50																												
8	BAS Development	Yellow	50																												
9	RT Load Forecasting Development (RER)	Green	95																												
10	AMP Project Development	Green	33																										Hardware gating implementation. Requirements finalized.		
11	SMD-DAC Implementation	Yellow	25																										Scope / design decisions pending.		
12	Web Posting Redesign	Green	35																												
13	AutoSys Replacement / Job Scheduling	Yellow	25																												
14	ADI / SAR Design & Development	Green	75																												
Project Hardware / Facility Activities																															
15	Deliver / Accept Phase 1 HW & SW	Not Started																											Cannot start until FAT completes.		
16	Dispatcher Training Room Construction	Yellow	80																												
17	Telecomm. / Networking Activities	Green	85																												
EAI / Integration Activities																															
18	EAI Environment Setup / Configuration	Yellow	95																												
Project Test Planning																															
19	Develop FAT (PI) Test Procedures	Green	✓																												
20	Develop / Accept MT/SAT Test Plans	Green	✓																												
21	Develop detailed MT/SAT Test Procedures	Green	40																												
22	Develop Cut-over Test Plans	Green	60																												
23	Develop Cut-over Test Procedures	Not Started																													
Factory Acceptance Tests - Phase I																															
24	SCADA Applications FAT	Green	95																												
25	EMS Applications FAT	Green	95																												
26	BMS Applications FAT	Yellow	90																												
27	CIM / DB Maintenance FAT	Yellow	95																										Waiting for Integrated Tests.		
28	Simulator System (ISS) FAT	Green	95																												
29	Integrated Testing FAT	Red	0																										Recovery tests executed.		
30	Factory Acceptance Tests - Phase II	Red																													
31	Site Acceptance / Market Trials at NYISO	Green	1																												
Legal / Tariff Activities																															
32	Develop tariff language.	Yellow	✓																												
33	Review rule changes with WGs / BIC	Green	✓																												
34	Review tariff language with MSWG	Yellow	✓																												
35	Obtain Management Committee Approval	Green	✓																												
36	Obtain Board Approval	Green	30																										Board approval expected next week.		
37	File with FERC; receive approval	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 ABB HMI Development / Delivery at Risk	High	Medium	Tracking progress of other customers, early delivery.
2 Resource Conflicts with Other Projects	Low	Medium	Maintain Resource Limited Schedule
3 Scope Management Concerns	Medium	Medium	Utilize Design Implementation Task Force
4 Market Disruptions from Cutover Activities	Medium	Medium	Detailed Cutover Planning, Trials.
5 Construction Delays, NYISO Facilities	Medium	Low	Close project tracking, leveraging alternate sites.
6 RTS Design Unproven, Potential for Failure	Medium	High	Detailed Factory and Site Testing.

Project Milestones

Completed	Missed
	FAT Complete

Hot Issues

Urgency	Description	Responsible	Due date
■	<p>Phase II Schedule Constraints</p> <p>Due to delays in Phase I FAT, and growth in Phase II scope due to prior feature deferrals and design changes, it seems apparent that all Phase II features cannot be implemented with an April 1 deployment assuming the planned Market Trial test schedule. It is possible that even a reduced, "critical" set of Phase II features cannot be implemented in time for a complete market trial and April 1 delivery.</p> <p>Next Step: Continue exploring scope deferral opportunities, and consider schedule possibilities, including a minor adjustment to the implementation target.</p>	Project Team Management Team	15-Nov
■	<p>Operations Training / Testing Conflicts</p> <p>Delays in FAT completion have created a schedule conflict between the testing activities and training plans. Operations staff is starting the training cycle, but are critical resources in verification of test results and bug fixing. No schedule slack exists in the training plan.</p> <p>Next Step: Alternative plans are being reviewed, including using alternative resources to finish validation (QA, IT) and performing the retest exercises in New York.</p>	Bob Miskanin Dick Mills	Ongoing
■	<p>Associated Projects Planning</p> <p>Delays in FAT completion have created a schedule conflict between the testing activities and training plans. Operations staff is starting the training cycle, but are critical resources in verification of test results and bug fixing. No schedule slack exists in the training plan.</p> <p>Next Step: Alternative plans are being reviewed, including using alternative resources to finish validation (QA, IT) and performing the retest exercises in New York.</p>	Rich Dewey PMs (Multiple)	15-Nov

NYISO SMD2 Executive Dashboard

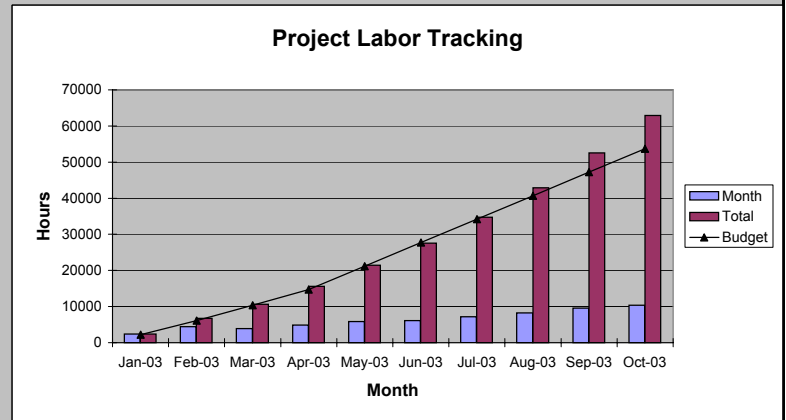
Thursday, November 13, 2003

Financial Status:

Project milestone 6 (FAT Complete) and milestone 7 (Deliver QA Hardware) were missed by ABB in October. With the delays experienced in FAT, the milestone payment for this milestone will not be required until November, and the incentive payment for ABB to be ready for the Start of Market Trials by November 1 now unachievable. Additionally, the NYISO is negotiating with ABB to accept a partial completion of milestone 6, in order to enable receipt of the project hardware while waiting for ABB to finish resolving defects. Contract amendments will need to be executed in order to account for these changes. Several new scope items have been proposed and are being evaluated to be part of another contract amendment. The estimated value of these additional scope items is between \$100,000 and \$250,000, and would be incorporated in the Phase II milestone.

Project Labor Reporting

Month	Actual Hours				Budget Hours			
	Internal	Ranger	EAI	Total	Internal	Ranger	EAI	Total
Jan-03	628	1710	16	2354	900	1100	200	2200
Feb-03	1766	2630	11	4407	1800	1900	200	3900
Mar-03	1661	2211	39	3911	2000	2100	400	4500
Apr-03	1969	2714	211	4894	2000	2100	400	4500
May-03	2555	2868	426	5849	3000	3100	400	6500
Jun-03	2794	3106	207	6107	3000	3100	400	6500
Jul-03	2931	3894	343	7168	3000	3100	400	6500
Aug-03	3202	4676	337	8215	3000	3100	400	6500
Sep-03	4062	5060	483	9605	3000	3100	400	6500
Oct-03	5190	4730	451	10371	3000	3100	400	6500
Nov-03					3000	3100	400	6500
Dec-03					3000	3100	400	6500
Jan-04					3000	3100	200	6300
Feb-04					3000	3100	200	6300
Mar-04					3000	3100	200	6300
Apr-04					3000	3100	200	6300
May-04					2000	2100	200	4300
Jun-04					2000	2100	100	4200
Totals	26758	33599	2524	62881	46700	48600	5500	100800



Project Financial Status

**** Total Project Budget \$52.4M**

Month	SMD Project Costs (\$000)						
	Labor		Consultancy		Hardware		Month Total
	Month	Budget	Month	Budget	Month	Budget	
Dec-02	\$0.0	\$0.0	\$796.8	\$792.8	\$0.0	\$0.0	\$796.8
Jan-03	\$121.7	\$148.5	\$94.0	\$125.0	\$0.0	\$0.0	\$215.7
Feb-03	\$233.1	\$263.2	\$57.0	\$125.0	\$0.0	\$0.0	\$290.1
Mar-03	\$212.9	\$290.0	\$224.9	\$275.0	\$77.0	\$0.0	\$514.8
Apr-03	\$276.7	\$290.0	\$347.4	\$300.0	\$130.7	\$999.9	\$754.8
May-03	\$346.0	\$325.0	\$189.0	\$600.0	\$39.0	\$345.0	\$574.0
Jun-03	\$367.5	\$500.0	\$490.4	\$600.0	\$952.5	\$300.0	\$1,810.4
Jul-03	\$419.6	\$500.0	\$2,787.1	\$4,092.9	\$135.4	\$750.0	\$3,342.1
Aug-03	\$487.9	\$500.0	\$421.2	\$750.0	\$692.6	\$400.0	\$1,601.7
Sep-03	\$572.3	\$500.0	\$915.1	\$4,250.8	\$345.7	\$500.0	\$1,833.1
Oct-03		\$500.0		\$3,364.2		\$250.0	
Nov-03		\$500.0		\$1,500.0		\$500.0	
Dec-03		\$500.0		\$4,720.7		\$250.0	
Jan-04		\$500.0		\$750.0		\$7,586.1	
Feb-04		\$500.0		\$2,244.9		\$200.0	
Mar-04		\$500.0		\$600.0		\$200.0	
Apr-04		\$500.0		\$3,086.1		\$0.0	
May-04		\$500.0		\$500.0		\$0.0	
Totals	\$3,037.7	\$7,316.7	\$6,322.9	\$28,677.4	\$2,372.9	\$12,281.0	\$11,733.5

**** Costs do NOT include Wolf Road construction.**

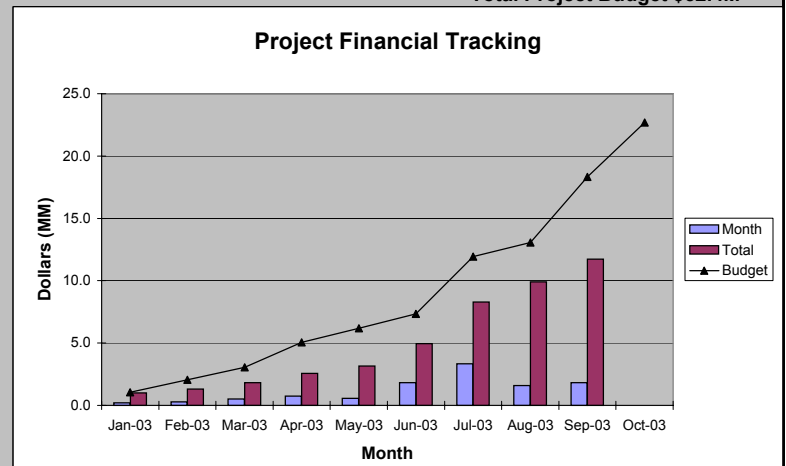
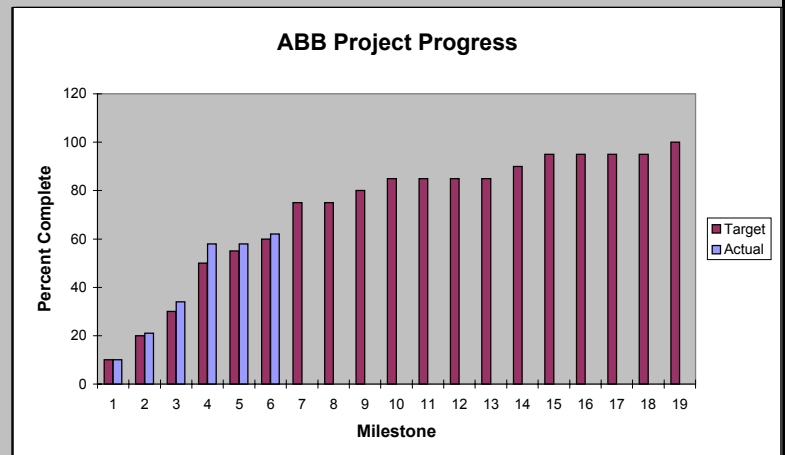


ABB Project Progress Tracking

Milestone	Date	Target Percent	Actual
Quick Start	12/31/2002	10	10
Requirements	3/31/2003	20	21
Requirements (RTS)	4/18/2003	30	34
Dev. Complete	7/21/2003	50	58
ACC Hardware	8/1/2003	55	58
PCC Hardware	9/2/2003	60	62
Phase 1 FAT	9/15/2003	75	
QA Hardware	10/15/2003	75	
Market Trial Start	11/1/2003	80	
Phase 2 FAT	11/14/2003	85	
Training Complete	12/31/2003	85	
Mkt. Trial 2 Month	12/31/2003	85	
Mkt. Trial 3 Month	2/15/2004	85	
Cut-over Test	2/25/2004	90	
Go Live	4/1/2004	95	
Availability Test	5/13/2004	95	
Phase 3 SAT	8/20/2004	95	
Phase 3 Integration	10/1/2004	95	
Final Acceptance	11/1/2004	100	



**NYISO
PROJECTS PLAN
BUDGET VS. ACTUAL BY PROJECT (excluding staffing/labor costs)**

Project ID	Project Description	2002 Actuals	2003 BUDGET VS. ACTUAL STATUS							
			BUDGET			ACTUALS	COMMITMENTS			OVER/(UNDER)
			Original	Transfers	Revised	Oct-03	Current	Pending	Total	
<u>SMD & RELATED PROJECTS (i.e. EMS/SCADA, etc.):</u>										
A510	EMS SCADA Implementation	\$ 163,708	\$ -	\$ 68,017	\$ 68,017	\$ 68,017	\$ -	\$ -	\$ -	\$ -
A536	BME/SCD Replacement Design	\$ 4,655,027	\$ -	\$ (46,845)	\$ (46,845)	\$ (47,405)	\$ -	\$ -	\$ -	\$ (560)
A573	SMD 2.0 Internal NYISO Systems Implementation	\$ 44,690	\$ 10,150,000	\$ 11,238,668	\$ 21,388,668	\$ 17,263,749	\$ 2,247,892	\$ 866,000	\$ 3,113,892	\$ (1,011,027)
A574	SMD 2.0 ABB Systems Implementation	\$ 6,838	\$ 6,500,000	\$ (6,357,752)	\$ 142,248	\$ 137,894	\$ 4,354	\$ -	\$ 4,354	\$ -
A612	Improved SCUC Performance	\$ 38,937	\$ -	\$ 34,091	\$ 34,091	\$ 16,691	\$ 8,104	\$ -	\$ 8,104	\$ (9,296)
A673	Simulator & Test System Implementation	\$ -	\$ 5,550,000	\$ (5,550,000)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
n/a	New office space	\$ -	\$ 3,659,000	\$ (317,697)	\$ 3,341,303	\$ 2,613,525	\$ 345,864	\$ -	\$ 345,864	\$ (381,914)
TOTAL		\$ 4,909,200	\$ 25,859,000	\$ (931,518)	\$ 24,927,482	\$ 20,052,471	\$ 2,606,214	\$ 866,000	\$ 3,472,214	\$ (1,402,797)
<u>OPEN SCHEDULING SYSTEM (OSS):</u>										
A545	OSS / External Transaction Ramp Management System	\$ 2,134,246	\$ -	\$ 839,266	\$ 839,266	\$ 554,401	\$ -	\$ -	\$ -	\$ (284,865)
A550	Online Presence II	\$ -	\$ 2,000,000	\$ (2,000,000)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
A657	OSS Sub Project - SMD 2.0 Support	\$ -	\$ -	\$ 794,394	\$ 794,394	\$ 580,246	\$ 167,601	\$ -	\$ 167,601	\$ (46,547)
A658	OSS Facilitated Checkout	\$ -	\$ -	\$ 422,559	\$ 422,559	\$ 323,481	\$ 55,867	\$ -	\$ 55,867	\$ (43,211)
A659	OSS PJM Ramp Integration	\$ -	\$ -	\$ 236,214	\$ 236,214	\$ 206,994	\$ -	\$ -	\$ -	\$ (29,220)
A660	OSS E-Tagging Integration	\$ -	\$ -	\$ 1,136,385	\$ 1,136,385	\$ 934,758	\$ 95,516	\$ -	\$ 95,516	\$ (106,111)
TOTAL		\$ 2,134,246	\$ 2,000,000	\$ 1,428,818	\$ 3,428,818	\$ 2,599,880	\$ 318,984	\$ -	\$ 318,984	\$ (509,954)
<u>DATA WAREHOUSE:</u>										
A548	Decision Support System II	\$ 4,037,218	\$ 7,230,000	\$ (1,277,028)	\$ 5,952,972	\$ 4,838,424	\$ 619,688	\$ -	\$ 619,688	\$ (494,860)
A661	DSS Settlements Datamart II	\$ -	\$ -	\$ 277,327	\$ 277,327	\$ 245,825	\$ -	\$ -	\$ -	\$ (31,502)
A662	DSS Settlements Datamart III	\$ -	\$ -	\$ 483,234	\$ 483,234	\$ 483,234	\$ -	\$ -	\$ -	\$ -
A663	DSS Settlements Datamart IV	\$ -	\$ -	\$ 64,761	\$ 64,761	\$ 64,761	\$ -	\$ -	\$ -	\$ -
A664	DSS Market Monitoring Datamart I	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL		\$ 4,037,218	\$ 7,230,000	\$ (451,706)	\$ 6,778,294	\$ 5,632,244	\$ 619,688	\$ -	\$ 619,688	\$ (526,362)

**NYISO
PROJECTS PLAN
BUDGET VS. ACTUAL BY PROJECT (excluding staffing/labor costs)**

Project ID	Project Description	2002 Actuals	2003 BUDGET VS. ACTUAL STATUS							
			BUDGET			ACTUALS	COMMITMENTS			OVER/(UNDER)
			Original	Transfers	Revised	Oct-03	Current	Pending	Total	
<u>EAI:</u>										
A559	EAI Phases 1 & 2	\$ 429,437	\$ 2,500,000	\$ 87,574	\$ 2,587,574	\$ 1,946,849	\$ 311,850	\$ -	\$ 311,850	\$ (328,875)
A577	EAI Phase 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL		\$ 429,437	\$ 2,500,000	\$ 87,574	\$ 2,587,574	\$ 1,946,849	\$ 311,850	\$ -	\$ 311,850	\$ (328,875)
<u>OTHERS:</u>										
A095	Transmission Expansion Planning Study	\$ -	\$ 250,000	\$ (139,561)	\$ 110,439	\$ 72,022	\$ 25,892	\$ -	\$ 25,892	\$ (12,525)
A541	TCC Online Auction Automation	\$ 23,467	\$ -	\$ 574	\$ 574	\$ 574	\$ -	\$ -	\$ -	\$ -
A543	UCAP Market Automation	\$ -	\$ 1,000,000	\$ 7,169	\$ 1,007,169	\$ 733,146	\$ 274,023	\$ -	\$ 274,023	\$ -
A556	Documentum Implementation	\$ -	\$ 805,000	\$ (19,820)	\$ 785,180	\$ 98,372	\$ 221,026	\$ 224,782	\$ 445,808	\$ (241,000)
A561	Control Room Logging Improvements	\$ 9,076	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
A580	NERTO Eval. & Plng (formerly NE Mkts Future Dir.)	\$ 787,980	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
A582	2002 SAS 70	\$ -	\$ 50,000	\$ 106,964	\$ 156,964	\$ 155,984	\$ -	\$ -	\$ -	\$ (980)
A598	SCD/BME Price Convergence	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
A599	Turbo SDAC	\$ 113,152	\$ 145,000	\$ (61,810)	\$ 83,190	\$ 82,616	\$ 574	\$ -	\$ 574	\$ -
A604	MMRD Database Improvements	\$ 587,815	\$ -	\$ 738	\$ 738	\$ 738	\$ -	\$ -	\$ -	\$ -
A605	Northeast Market Model	\$ 222,525	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
A639	2003 SAS 70 Type 2 Audit	\$ -	\$ 250,000	\$ (109,125)	\$ 140,875	\$ 40,000	\$ 100,875	\$ -	\$ 100,875	\$ -
A665	PJM Model Impact Simulation	\$ -	\$ -	\$ 1,000	\$ 1,000	\$ 638	\$ 362	\$ -	\$ 362	\$ -
A675	Billing Simulator	\$ -	\$ 1,350,000	\$ 768,000	\$ 2,118,000	\$ 893,528	\$ 120,175	\$ 1,100,000	\$ 1,220,175	\$ (4,297)
A683	BEA Upgrade	\$ -	\$ -	\$ 82,115	\$ 82,115	\$ 59,639	\$ -	\$ -	\$ -	\$ (22,476)
A691	AMP Phases 2 & 3	\$ -	\$ -	\$ 322,045	\$ 322,045	\$ 132,810	\$ 189,235	\$ -	\$ 189,235	\$ -
BLCK	Black Out	\$ -	\$ -	\$ 1,597,175	\$ 1,597,175	\$ 450,276	\$ 40,000	\$ 727,200	\$ 767,200	\$ (379,699)
WRLS	Wireless Project	\$ -	\$ 130,200	\$ (101,698)	\$ 28,502	\$ 8,000	\$ -	\$ -	\$ -	\$ (20,502)
TOTAL		\$ 1,894,015	\$ 3,980,200	\$ 2,453,766	\$ 6,433,966	\$ 2,728,343	\$ 972,162	\$ 2,051,982	\$ 3,024,144	\$ (681,479)
TOTALS		\$ 13,404,116	\$ 41,569,200	\$ 2,586,934	\$ 44,156,134	\$ 32,959,787	\$ 4,828,898	\$ 2,917,982	\$ 7,746,880	\$ (3,449,467)

NOTES:

- Budget and actual costs per project were not tracked prior to 2002.
- The 2002 budget and actual amounts for included in projects A545 (OSS) and A548 (DSS) are net of proceeds from hardware financing facilities.
- Future year budgets by project are currently being finalized.