

PROJECT PRIORITIZATION TEAM (PPT)

February 19, 2003

1:30 PM – 4:30 PM

**Hunton & Williams Offices
200 Park Avenue, New York, NY
31st Floor Conference Room**

**Dial In #: 304-345-7506
Participant Code #: 731-458**

Meeting Agenda

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|---|-----------------------------------|----------------|
| ➤ Introductions and Meeting Objectives | Garry Brown | 1:30 PM |
| ➤ 2003 Objectives for PPT | Garry Brown | 1:35 PM |
| ➤ Review of Action Items | Tim Schmehl | 1:50 PM |
| ➤ Status of Market & Operations
Enhancement Projects | Tim Schmehl | 2:10 PM |
| ➤ Status of SMD 2.0, OSS, DSS | Rich Dewey | 2:40 PM |
| ➤ Prioritization of Projects | Tim Schmehl | 3:10 PM |
| ➤ Report on Projects Budget | deferred till next meeting | |
| ➤ Schedule and Agenda Items for Next Meeting | Garry Brown | 3:50 PM |
| ➤ Adjourn | | 4:00 PM |

PPT Action Items

Updated 02/13/03

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

ID#	Initiated	Action Needed	Assignee	Target Date	Status
33	11/06/02	Report to S&PWG on issue ID # 1 (# 12 - completed), close this item after report given. Extended target date	R. Stalter / J. Hickey	12/04/02 4/30/03	Open
32	11/06/02	Provide prototype SMD monthly report to PPT, also include a section on SMD in the PM section of the NYISO monthly report. Extended target date	R. Dewey/ L. Farney	12/04/02 3/31/03	Open
36	12/04/02	Develop cost and deliverable breakdown for OSS and DSS project phases and present to BIC in Jan. Goal is for BIC to provide report to MC in Feb. Report to MSWG on 2/18, review next steps with PPT	R. Dewey	1/15/03 2/19/03	Open
1	4/8/02 12/04/02	BIC requested consideration of: Steam units being turned off at day's end but needed next day for reserves. <i>Perform assessment of options (LECG) and develop order of magnitude estimate of effort required.</i> Extended target date	J. Hickey C. King	2/19/03 4/30/03	Open
4	4/8/02	Request to consider having LECG (Andrew Hartshorn) perform additional pricing studies. (requested by BAWG subsequent to report by Andrew on rate schedule 1 analysis). This is an issue BAWG should address if needed.	R. Bowers	tbd	Closed 02/19/03
10	7/10/02	Complete FRS and resource estimates for A614 DADRP Program Enhancements project prior to next PPT meeting. Class 50 resource estimate totals 1,900 hours.	D. Peluso	1/06/03	Closed 02/19/03
37	12/04/02	Contact PJM and ISO-NE to assess possible interest in developing a common user interface for automated TCC auction. PJM has automated TCC auction software. ISO-NE has or will shortly have automated TCC Auction software. A common user interface is not feasible at this time.	A. Desell	1/15/03	Closed 02/19/03
35	12/04/02	Develop a process for ongoing dialog with MPs regarding the RTS/EMS design features. Brad Kranz will give monthly updates to MSWG. Technical presentations based on MP interests will be scheduled periodically.	R. Dewey	1/15/03	Closed 02/19/03
12	7/10/02	Report on status of "in-city unit lost opportunity cost payments" at next PPT <i>NYISO legal has determined there will be no day ahead lost opportunity payments provided and that they are not addressed in the NYISO</i>	J. Hickey	8/7/02	Closed 12/04/02

		<i>tariff. Decision was reported to S&P WG.</i>			
11	7/10/02	Complete FRS and resource estimates for A619 TransEnergie L.I. Sound Cable project prior to next PPT meeting. <i>FRS was re-evaluated to consider use of a pre-checkout operating procedure, similar to that used by IMO. This approach will reduce the resource requirements to 3400 hours (1700 for IT). Final approval being obtained from Project Sponsor.</i>	J. Hickey	9/30/02	Closed 12/04/02
26	9/20/02	Clarify deliverables and potential interim milestones for: TransEnergie cable project	K. Fitts	11/6/02	Closed 12/04/02
21	9/20/02	Request NYISO legal counsel to draft letter to FERC requesting variance regarding A553 TSC Information Compliance <i>Informational filing was made on June 1, 2002. Order issued July 31, 2001 FERC accepted the Informational filing. No software project at this time.</i>	J. Hickey	11/6/02	Closed 12/04/02
29	11/06/02	A550 OSS/NEEP II project should be broken into several distinct projects each with specific deliverables and budget	R. Smith / M. Martin	12/04/02	Closed 12/04/02
28	11/06/02	A548 DSS II project should be broken into several distinct projects each with specific deliverables and budget	R. Smith / M. Martin	12/04/02	Closed 12/04/02

Updates to the Projects Plan

Since the last PPT meeting, the Projects Plan was updated to reflect the following changes:

Project Category	Previously Scheduled	Completed	Reassigned	Additions	Currently Scheduled
Market & Operations Enhancements	18	-2	0	+3	19
Strategic Development	20	-2	-3	0	15
Internal Projects and Studies	29	0	0	0	29
Total	67	-4	-3	+3	63

Notes:

- Previously Scheduled - reflects status as of PPT meeting on Dec. 4, 2002.
- Reassigned – includes projects that have moved from one category to another.
- Currently Scheduled - reflects status as of PPT meeting on Feb. 19, 2003.

Projects Completed	
A609	Real Time Mitigation and Out of Merit
A633	GT Reserve/Management Enhancement I
A536	BME/SCD replacement design
A510	SMD 2 planning and specification
Projects Initiated	
A668	Scheduling & pricing non-competitive proxy interfaces
A669	Scarcity pricing
A637	GT Reserve/Mgmt Enhancement II
Project Deferred or Reassigned	
A643	Simulator & test system implementation
A644	Backup Dispatch System needed w/new RTS
A622	Mainframe Extension

Following is the status of emerging market initiatives reviewed with the PPT in December.

Scheduling and pricing non-competitive proxy interfaces

- Project A668 has been initiated
- Requirements are being defined
- Will be prioritized by PPT on Feb. 19

Scarcity pricing

- Project A669 has been initiated
- Requirements are being defined
- Will be prioritized by PPT on Feb. 19

Reduce persistent unit dragging

- Will be incorporated into project A637 GT Reserve/Management Enhancements II

DAM in-city mitigation improvements

- Will be incorporated into project A620 AMP IV

SCUC over-commitment/SCUC redesign

- Still being evaluated

Summary of Market & Operations Enhancement Projects

Following is a high-level summary of priority projects showing the current phase of work activity and upcoming milestones/deployments. More detailed status of individual projects is presented in the following section of this report.

Priority *	ID	Project	Phase	Next Milestone/ Deployment
<i>Exempt</i> (0)	A600	Open Billing Issues	n/a	n/a
<i>Exempt</i> (3)	A582	SAS 70 Type 2	n/a	Scheduled completion - May 15
1 (4)	A649	Oracle 9i Upgrades	ABCDEF	MIS upgrade/outage - March 9
2 (5)	A583	Billing System Improvements 2	ABCDEF	Web-based reconciliation - late April
3 (6)	A623	New Loss Calculation	ABCDEF	Scheduled deployment - March 10
4 (7)	A614	DADRP Enhancements	ABCDEF	FRS - first draft in review
5 (11)	A636	85/15 Rate Schedule 1 Split	ABCDEF	FRS - first draft in review
6 (-)	A668	Scheduling and pricing non-competitive proxy interfaces	ABCDEF	FRS - first draft in review
7 (-)	A667	Scarcity pricing and shadow price adder	ABCDEF	FRS - first draft in review
8 (2)	A637	GT Reserves/Mgmt Enhancement II	ABCDEF	FRS in development
9 (9)	A620	AMP IV including Startup and Min Gen Mitigation	ABCDEF	This is a complex FRS that will require multiple reviews
10 (8)	A619	TransEnergie Cross Sound Cable	ABCDEF	FRS approved on Feb. 10
11 (10)	A541	TCC Online Auction Auto.	ABCDEF	Work continuing on Use case development
12 (12)	A543	UCAP Market Automation	ABCDEF	Completion of vision document, software development plan, and Use case definition
13 (13)	A564	Bi-directional Modeling of Gen.	ABCDEF	FRS in development
14 (14)	A630	Mech. Grid Acct for Voltage Supt	ABCDEF	FRS in development
15 (15)	A624	Twelve Month Final Bill	ABCDEF	FRS in development
16 (16)	A647	Station Power Accounting	ABCDEF	FRS in development
17 (17)	A626	Inter-ISO Congestion Mgmt Settlement	ABCDEF	FRS in development
<i>Pending review</i>	A609	Real-time Mitigation – remaining deliverable	n/a	SMSG/PPT approval needed to proceed
<i>Pending review</i>	?	Control Room Logging II	n/a	SMSG/PPT approval needed to proceed
<i>Pending review</i>	A556	Documentum Implementation	n/a	SMSG/PPT approval needed to proceed
<i>Pending review</i>	?	Reduce Persistent Unit Dragging	n/a	SMSG/PPT approval needed to proceed
<i>Pending review</i>	?	SCUC Over Commitment/SCUC Redesign	n/a	SMSG/PPT approval needed to proceed

* - to be reviewed with PPT on Feb. 19th, priority at the last PPT meeting is shown in ()

Phases of the Project Lifecycle	
Phase:	Description:
A B C D E F G	Initiation & Development Phase
A B C D E F G	Concept Phase
A B C D E F G	Design Phase
A B C D E F G	Build/Unit-Sub System Test Phase
A B C D E F G	System Operational / Functional Test Phase
A B C D E F G	System Deployment & Acceptance Test Phase
A B C D E F G	Closure Phase

Initiation and Development Phase - In this phase the business case is developed, the Concept of Operation (COO) (if appropriate) is prepared and a Class 100 labor hour estimate is created. The Class 100 labor estimate is an “order of magnitude” labor hour estimate based on conceptual information. It has $\pm 100\%$ or greater margin of error. The Class 100 labor hour estimate is documented in the Project Request Discovery Document. A Work Breakdown Structure (WBS) Level 1 duration estimate for the project is generated. A WBS Level 1 Project Duration Estimate is the calendar period from the “Pre-Project Phase Completed” milestone to the “Project Completed” milestone. During this phase the applicable procedural requirements for the project (such as SAS 70) are identified.

Concept Phase - During this phase the Project Manager is identified and the project team is formed. The Functional Requirements Specification (FRS), System Architecture and Summary Design Documents (SDS) are developed. This in turn should lead to the development of Class 50 (+/- 50 %) labor hour estimates, WBS Level 2 duration estimates for each project phase, and a preliminary project plan. Stakeholders and project checkpoints are defined. Checkpoints are noteworthy events in the project, such as “design approved,” or a special review meeting with the Senior Management Steering Group (SMSG). Risks related to the project and any interdependencies with other projects are to be identified. If appropriate, tariff filings are drafted. Project support, ancillary effort provided to facilitate completion of defined tasks occurs. Tasks identified with this phase begin with the letter “B.”

Design Phase – In this phase the project team becomes further refined with technical leads from specific departments. Also the detailed design, detailed project plan, schedule and Class 10 (+/- 10 %) labor hour estimates are developed. In this phase contingency plans may be defined, the project checkpoints are refined, and the tariff filing date may be determined. Project support and ancillary effort necessary to facilitate completion of defined tasks are identified. Tasks identified with this phase begin with the letter “C.”

Build / Unit-Sub Systems Test Phase - Now the product is coded/constructed, and unit/sub-systems test requirements and test scripts are developed. Later in this phase unit/sub-systems tests are conducted and the tariff is filed as applicable. Testing is synonymous with QA. Project support, ancillary effort provided to facilitate completion of defined tasks occurs. Tasks identified with this phase begin with the letter “D.”

System Operational / Functional Test Phase - The test requirements and scripts for the system operational and functional tests are developed and then performed. User training, and user acceptance testing occurs. Project support, ancillary effort provided to facilitate completion of defined tasks occurs. Tasks identified with this phase begin with the letter “E.”

System Deployment & Acceptance Test Phase - As the project winds down the system is deployed into production once the system is completely tested. System tests and turnover requirements are completed. Project support, ancillary effort provided to facilitate completion of defined tasks occurs. Tasks identified with this phase begin with the letter “F.”

Closure Phase - Here the system operations are monitored in production. A “punch list” of open items is prepared and assignments are made to ensure that all items are appropriately addressed. Project Closeout documentation is assembled and made ready for archiving. A Lessons Learned Report is prepared with input from project team, the project sponsor and other stakeholders. Project support and remaining ancillary effort is wrapped up. Tasks identified with this phase begin with the letter “G.”

Detailed Status of Priority Projects

Market & Operations Enhancements Projects

A600 Open Billing Issues

- This on-going project addresses identified billing issues that require immediate action
- Resources are assigned to address issues as they are identified or reported

A582 SAS 70 Type 2 Audit

- The audit is presently in progress and is scheduled for completion in May

A649 Oracle 9i Upgrades

- Project work is progressing in phases C and D
- MIS upgrade will be the next deployment and will require a 4-hour MIS outage
- MIS outage is being planned for Sunday, March 9
- Implementing the MIS upgrade is a dependency for many other projects

A583 Billing System Improvements II

- Project is currently in Phase E – System operational/functional test
- Web-based reconciliation is the next deployment
- Market Participant testing is planned for March
- Deployment is planned for late April

A623 New Loss Calculation

- Project is currently in Phase E – System operational/functional test
- Deployment has been delayed due to QA testing constraints
- Deployment is planned for March 3

A614 Day-ahead Demand Response Project Enhancements

- Project is currently in Phase B - Concept
- FRS is complete and in final review
- Class 50 resource estimates indicate 1,900 hours of work
- Deployment is anticipated to be in June

A636 85/15 Rate Schedule 1 Split

- Project is currently in Phase C – Design
- Two new requirements were recently added to the FRS
 - EDRP allocations
 - Local reliability reserves
- Class 50 resource estimates are being revised
- A revised project plan is being prepared
- Deployment date yet to be determined

A668 Scheduling and Pricing of Noncompetitive Proxy Interfaces

- Project is currently in Phase B - Concept
- FRS is complete and in final review

- Class 50 resource estimates indicate 2,100 hours of work
- Deployment is anticipated to be in June

A667 Scarcity Pricing and Shadow Price Adder

- Project is currently in Phase B - Concept
- FRS is complete and in final review
- Class 50 resource estimates indicate 1,800 hours of work
- Deployment is anticipated to be in July

A637 GT Reserves/Management Enhancement II

- Project is currently in Phase A – Initiation and Development
- Phase II addresses operational requirements not implemented in Phase I
- FRS is being developed
- Intend to incorporate reducing persistent unit dragging in this project
- Resources and project schedule will be finalized when the FRS is complete
- No deployment date yet determined

A620 AMP IV including Start-up and Min Gen Mitigation

- Project is currently in Phase B - Concept
- Goal is to develop tests and processes to mitigate situations where start-up and minimum generation bid parameters may be used to economically withhold resources from the energy market with a subsequent material energy price impact.
- This is a complex FRS and will require several iterations
- Resources and project schedule will be finalized when the FRS is complete
- No deployment date yet determined

A619 TransEnergie Cross Sound Cable

- Project is currently in Phase C - Design
- FRS was approved on Feb. 10
- Class 50 resource estimates indicate 4,900 hours of work
- Revised Concept of Operation was posted to NYISO Web site for MP review
- Cable was energized for bi-directional testing during week of Jan. 17
- There are a number of outstanding political and legal issues/risks
- No deployment date yet determined

A541 TCC Online Auction Automation

- Project is currently in Phase C – Design
- Resource requirements and a detailed project plan are being prepared
- Project scope redefined to combine both TCC and UCAP auction automation
- Outside vendor (LTI) will be used for much of this work scope

A543 UCAP Auction Automation

- Project is currently in Phase C – Design
- Resource requirements and a detailed project plan are being prepared
- Outside vendor (LTI) will be used for much of this work scope
- Work on this project will be combined with A541 TCC Online Auction Automation

A564 Bi-directional Modeling of Generation

- Project is currently in Phase A - Initiation and Development
- Work on FRS has begun

A630 Mechanize Grid Accounting Voltage Support

- Project is currently in Phase A - Initiation and Development
- Work on FRS has begun

A624 Twelve Month Final Bill

- Project is currently in Phase A - Initiation and Development
- Work on FRS has begun

A647 Station Power Accounting

- Project is currently in Phase A - Initiation and Development
- Work on FRS has begun

A628 Inter-ISO Congestion Management Settlement

- Project is currently in Phase A - Initiation and Development
- Work on FRS has begun

Strategic Development Projects

A510 SMD 2.0 Planning & Specification

- This initial phase of the SMD 2 project has been completed
- Anticipating a final contract with ABB in late February
- The project has been closed

A536 BME/SCD Replacement Design

- This was a sub-project of the SMD 2 project and has been completed
- The project has been closed

A573 SMD 2.0 Market Systems Implementation

- Project components in Phases B:
 - PTS, Pre-Mfg, MMU Tools
 - MIS, BAS, and Load Forecasts
- Project components in Phase C:

OSS and DSS projects are addressed in a separate report