

Description		Status and Milestone Deliverables
Energy Marketplace Product Enhancements		
A767	MIS Enhancements: Comprehensive Bid Management System	<p>Status: This project is in the concept development and requirements phase. Detailed requirements definition for first two (2) functional areas (Load Bidding and Virtual Bidding) has started. Technical requirements have initiated, but detailed business requirements documentation has not started.</p> <p>Deliverables: This project will upgrade the web-based application structure to replace overlapping applications by allowing common components to support current application functionality and future application functional growth. One of the deliverables will be the implementation of a more flexible and reliable application infrastructure for the market applications. This project is part of a multi-year effort that will lead to a replacement of the Market Information System (MIS) and related bidding and scheduling applications. This project will continue into 2008.</p>
A871	Enhanced Price Validation	<p>Status: This project is in the concept development and requirements phase. Project scope documents have been developed and reviewed with business owner. RFP document to determine consultancy partner for development distributed to six (6) vendors on May 8; responses due May 26.</p> <p>Deliverables: The NYISO has investigated all known causes of pricing errors, and has taken a systematic approach to determine features and functions that can significantly enhance the price validation process. Product enhancements are proposed to implement proactive price monitoring, improved price reservations, and enhanced price corrections. The project will entail a multi-phase, multi-year implementation of tools to enhance the price monitoring, reservation, and correction processes for the NYISO markets. This project will continue into 2007.</p>
A769	Enhanced Scheduling of Combined Cycle Units	<p>Status: This project is in the concept development and requirements phase. NYISO staff has been working closely with owners of combined cycle plants to determine realistic solutions to solve known operational problems. Team is also monitoring developments in other markets (e.g. PJM) where attempts to provide solutions for combined cycle plants have not produced desired results. Certain incremental improvements already implemented in the NYISO have improved bidding flexibility.</p> <p>Deliverables: Market Participants have historically expressed concern that NYISO does not model or schedule combined cycle generating units to their most efficient capabilities, thus impacting both real-time operations and market outcomes. This project will deliver a scheduling software solution and network modeling optimization for combined cycle generating units. Software may perform 15-minute economic dispatch scheduling for nominally off dispatch units during the real-time commitment execution and reflect those schedules into the real-time dispatch process.</p>

Description		Status and Milestone Deliverables
A706	Intra-Hour Transaction Scheduling (ITS)	<p>Status: This project is in the concept development phase. Concept and design work will continue in 2006; development progress will be dictated by various factors including, regulatory process, technical feasibility, and resource constraints. Progress has been significantly slowed by limitations on the part of ISO-NE to support further development.</p> <p>Deliverables: In 2005, the NYISO conducted a pilot project to assess the ability to evaluate and schedule intra-hour transactions and to identify any operational issues with scheduling. Additional work in 2006 will be based on the outcome of the pilot program; however, it is not assured that any significant software development will be completed in 2006.</p>
TBD	Wind Forecasting	<p>Status: This project is in the concept development phase. Concept and design will continue in 2006; development progress will be dictated by various factors including, regulatory process, technical feasibility, and resources.</p> <p>Deliverables: Design and implementation of the required forecasting systems that would be necessary to efficiently and reliably manage the introduction of significant amounts of intermittent energy sources in New York.</p>
Auxiliary Market Product Enhancements		
A543	ICAP Market Automation – Phase I	<p>Status: Software to automate the ICAP auction processes was deployed into production in late March and activated in April to conduct the Summer strip auction. No significant problems were encountered and the preliminary assessment is that the implementation was a success.</p> <p>Deliverable: An automated application to run the ICAP market, also implementing a security model for single sign-on. Allow Market Participants to place bids and offers via the web or upload templates, execute the monthly and strip auctions, perform certification, run the spot auction and post the results and bills.</p>
TBD	Demand Response for Ancillary Services	<p>Status: This project is in a preliminary planning phase and will be formally kicked off following development of a detailed project scope, schedule, and budgetary estimate.</p> <p>Deliverables: Following the a detailed requirements and project scope definition phase, a market solution to allow Demand Response providers to participate in the ancillary service markets will be provided. This project has been ordered by the FERC for implementation in the NYISO markets.</p>
TBD	ICAP Auction Automation – Phase II	<p>Status: This project is in a preliminary planning phase and will be formally initiated in 2006, following the successful deployment of phase 1 and subsequent post-deployment review of ICAP market operations.</p> <p>Deliverables: Following the implementation of the first phase of the ICAP Auction Automation software project, a certain subset of enhancements are planned to complete the full suite of planned features.</p>

Description		Status and Milestone Deliverables
TCC Marketplace Product Enhancements		
A541	TCC Auction Automation – Phase I	<p>Status: Development activities for Phase 1 are complete and Quality Assurance and User Acceptance testing is still in progress. Market trials set to begin on June 1 with full production operation targeted for July 1.</p> <p>Deliverables: This project will take a phased approach to fully automate the TCC auction and data validation processes. The Awards processing is the planned first phase deliverable. Following phases will address the database and Bidding functions required to fully automate the auction processes.</p>
TBD	TCC Auction Automation – Phase II & III	<p>Status: This project is in a preliminary planning phase and will be formally initiated later in 2006. This work has also included consideration of Phase 3 and other future market enhancement needs in the requirements definition for Phase 2. The draft report from that exercise was received from Nexant on April 26th and is currently out for review and comment by the project team; detailed project planning and budget allocation to follow in June.</p> <p>Deliverables: Following the implementation of the first phase of the TCC Auction Automation software project, following phases will deliver the Database and Bidding functionality required to fully automate the TCC markets.</p>
Operations and Reliability Product Enhancements		
A770	Outage Schedule Reporting	<p>Status: This project is in a preliminary planning phase and is tentatively planned to be formally initiated in 2006. Addition of new quality and process control projects may delay the launch of this project.</p> <p>Deliverables: As part of the SMD2 project, the Outage Scheduling software was moved entirely to the Ranger system for both Scheduling and Operations to provide consistency. However, the processes of creating the Outage Schedule reports remains on a secondary database. The creation of the required reports will be ported to the RANGER system.</p>
A843	Integration of OOM and SRE Applications	<p>Status: This project is in a preliminary planning phase and is tentatively planned to be formally initiated in 2006. Addition of new quality and process control projects may delay the launch of this project.</p> <p>Deliverables: Replacement of the Out of Merit (OOM) and Supplemental Resource Evaluation (SRE) applications used by the control room floor. These applications are currently built upon an unsupported platform (Oracle Forms) and can be design to be more efficient and error prone if they are consolidated into a single suite of application functions.</p>

Description		Status and Milestone Deliverables
Financial Service Product Enhancements		
A845	BAS Replacement / Billing Engine	<p>Status: This project is in the development and testing phase. An iterative development approach is being employed where groups of the billing rules are being ported to the new engine in phases. The first two (2) sets of billing rules have passed the testing milestone, with the third phase set to begin User Acceptance Testing (UAT) in mid-May. The project is on schedule, but will likely not be ready for production deployment until after the first of the year due to additional billing rules that will be required as a result of changes being made to the current billing system in 2006. Additionally, Sarbanes-Oxley guidelines will limit billing software changes in the 4th quarter.</p> <p>Deliverables: Implementation of a rules-based design as a replacement to the settlements engine in the Billing and Accounting System (BAS). Project will leverage technology investment made as part of the Billing Simulator and will lead to a higher performing calculation engine for billing, as well as a more flexible architecture for managing future changes to the settlements processes. This project is part of a multi-year effort to replace the entire billing system including, the invoicing components, web-based reconciliation, and integration of certain credit functions. This project is scheduled to continue into 2008.</p>
A836	Automation of Voltage Support Service (VSS) Payments	<p>Status: Software to automate the calculation of the Voltage Support Service was successfully deployed to production on May 9, 2006.</p> <p>Deliverables: Automation of a manual settlements' process. This effort is part of a larger effort to reduce and / or eliminate the need to perform manual billing adjustments on customer invoices. Opportunities will be explored through the year to determine additional automation features that can be implemented, and those projects will be individually presented as they are launched.</p>
Business Intelligence Product Enhancements		
A849	DSS Pricing and Operational Data Mart	<p>Status: This project has completed the requirements phase and entered into the development phase. Phased deliveries are scheduled to provide functionality in 2nd and 3rd quarters of 2006.</p> <p>Deliverables: During recent years, the NYISO has made a significant investment in data warehousing technology through the implementation of the Decision Support System (DSS) to support the NYISO settlements processes. This project will expand the DSS customer base by delivering pricing data that will support the price validation processes and provide greater transparency to the NYISO markets.</p>
TBD	Enhanced Portal Dashboards	<p>Status: This project is in a preliminary planning phase and is tentatively planned to be formally initiated in 2006. Addition of new quality and process control projects may delay the launch of this project.</p> <p>Deliverables: Enhancements made to the NYISO Portal platform to support the implementation of the new data elements available through the Decision Support System (DSS), as well as improved reporting functionality to augment a wide variety of data supplied through this mechanism. Initial focus will be applied to the pricing and operational data capabilities.</p>

Description	Status and Milestone Deliverables
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Other NYISO Key Projects	
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A775

Consolidate NYISO
Offices

Status: Personnel relocation activities have completed that enabled the NYISO to vacate the Washington Avenue facility and fully occupy the 4th floor of the new Head Quarters facility. The Phoenix Company employees have vacated the remaining floors of the new building; construction is set to begin in late May on floors 1-3.

Deliverables: This project seeks to secure ~150,000 square feet of office space to include administrative offices, alternate control center and back-up IT/disaster recovery functionality. During 2006, this facility would replace the current NYISO locations at Washington Avenue, Wolf Road, and Western Turnpike.