

Description		Status and Milestone Deliverables
<b>Energy Marketplace Product Enhancements</b>		
A767	MIS Enhancements: Comprehensive Bid Management System	<p><b>Status:</b> This project is in the concept development phase and will be formally initiated in the first quarter of 2006.</p> <p><b>Deliverables:</b> 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.</p>
	Enhanced Price Validation	<p><b>Status:</b> This project is in the concept development phase and requirements phase. Concept and design work will continue through the first quarter of 2006; development progress will be dictated by various factors including regulatory process, technical feasibility, and resource constraints. 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.</p> <p><b>Deliverables:</b> 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. Additionally, the NYISO will continue to aggressively pursue resolution to any issue that causes pricing errors.</p>
A769	Enhanced Scheduling of Combined Cycle Units	<p><b>Status:</b> 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.</p> <p><b>Deliverables:</b> 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>
A706	Intra-Hour Transaction Scheduling (ITS)	<p><b>Status:</b> 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.</p> <p><b>Deliverables:</b> 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>

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	Wind Forecasting	<p><b>Status:</b> 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.</p> <p><b>Deliverables:</b> 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>
<b>ICAP Marketplace Product Enhancements</b>		
A543	ICAP Market Automation – Phase I	<p><b>Status:</b> Verification testing by Auxiliary market operations and market trials by Market Participants were completed in 2005. Parallel testing of all the features has been ongoing since the 4<sup>th</sup> quarter of 2005. Full deployment and activation of the project is scheduled for March 2006.</p> <p><b>Deliverable:</b> 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>
	ICAP Auction Automation – Phase II	<p><b>Status:</b> 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><b>Deliverables:</b> 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>
<b>TCC Marketplace Product Enhancements</b>		
A541	TCC Auction Automation – Phase I	<p><b>Status:</b> The testing process for the first phase of the TCC Auction Automation project is well underway. 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. Testing is proceeding well; deployment is scheduled for the 2<sup>nd</sup> quarter of 2006.</p> <p><b>Deliverables:</b> This project will take a phased approach to fully automate the TCC auction and data validation processes. Preliminary phases produced a set of data validation tools that compliment the current (manual) processes. Final delivery will produce user interfaces that can support the online data entry, reporting of TCC auction information, and provide auction data to the auction analysis products. It is anticipated this project will continue into 2007.</p>
	TCC Auction Automation – Phase II & III	<p><b>Status:</b> This project is in a preliminary planning phase and will be formally initiated in 2006.</p> <p><b>Deliverables:</b> 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>

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<b>Operations and Reliability Product Enhancements</b>		
		<b>Status:</b> This project is in a preliminary planning phase and is planned to be formally initiated in 2006.
A770	Outage Schedule Reporting	<b>Deliverables:</b> 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.
		<b>Status:</b> This project is in a preliminary planning phase and is planned to be formally initiated in 2006.
A843	Integration of OOM and SRE Applications	<b>Deliverables:</b> 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.
<b>Financial Service Product Enhancements</b>		
		<b>Status:</b> This project is in the detailed requirements; deployment is planned in the 4 <sup>th</sup> quarter of 2006.
A845	BAS Replacement / Billing Engine	<b>Deliverables:</b> 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.
		<b>Status:</b> This project is in the detailed requirements phase; deployment is planned in 2006
A836	Automation of Voltage Support Service (VSS) Payments	<b>Deliverables:</b> 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.
<b>Business Intelligence Product Enhancements</b>		
		<b>Status:</b> This project is in the detailed requirements phase. Phased deliveries are scheduled to provide functionality in 2 <sup>nd</sup> and 3 <sup>rd</sup> quarters of 2006.
	DSS Pricing and Operational Data Mart	<b>Deliverables:</b> 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.

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Enhanced Portal Dashboards	<p><b>Status:</b> This project is in a preliminary planning phase and is planned to be formally initiated in 2006.</p> <p><b>Deliverables:</b> 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>
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Other NYISO Key Projects	
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A775	Consolidate NYISO Offices	<p><b>Status:</b> Personnel relocation activities have completed that enabled the NYISO to vacate the Washington Avenue facility and fully occupy the 4<sup>th</sup> floor of the new Head Quarters facility. The Phoenix Company employees have vacated the remaining floors of the new building; planning phases are underway for NYISO construction of floors 1-3.</p> <p><b>Deliverables:</b> 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.</p>
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