Candidate 2006 Product Enhancements

Description	Notes
Finance Products	
BAS Replacement Strategy/Billing Simulator	Continued evolution of billing simulator platform; building the foundation for potential BAS replacement. Strategic Finance system enhancements include integration of credit and accounting functions.
Energy Market Products	
Combined Cycle Unit Modeling	FERC Order; awaiting action from FERC on request for hearing
Comprehensive Bid Management System	Re-architecture of existing bidding and scheduling market systems to improve performance, flexibility, and availability. Implement technologies to support eventual MIS replacement.
Intra-Hour Transaction Scheduling	Virtual Regional Dispatch
Self Supply of Reserves	FERC Order; revised timetable to be filed by NYISO in September
Wind Forecasting / Generator Attribute Tracking System(s)	Necessary to support NY State Renewable Portfolio Standards
1385 Line Proxy Bus	Implementation of generic CTL solution.
ICAP / TCC Products	

TCC Auction Automation Phase I	Phase I enhancements include:
	    Automation of awards
	    Automation of TCC inventory (database)
	    Automation of bidding and offers

ICAP Auction Automation Phase II	Phase II enhancements include:
	    Use case functionality for SCRs
	    Upload and copy functionality for ICAP certification
	    Use case functionality for GADS data submittal
	    Use case functionality related to import rights and UDRs

Operations & Reliability Products	
Outage and Derate scheduling/management/reporting tools	Includes E-scheduling interface for entering, requesting, and approving transmission and generator outages and / or derates; MMP outage database / reporting tools; GADS data tracking and reporting; and moving outage schedule reporting application to the Ranger environment.
Integration of SRE/OOM applications	Automate the SRE / OOM tracking and reporting processes and MMP SRE / OOM related applications.
Business Intelligence Products	
Decision Support System Expansion	Expansion of existing DSS capabilities beyond Customer Settlements functional area. Provide enabling technologies to allow integration with other data sources.
Portal Enhancements	Enterprise integration of customer data delivery mechanisms. Expansion of availability to various types of customer data and tools enrichment.

Other NYISO 2006 Projects

Description	Notes
Excellence in Execution	
Bid to Bill process improvement	Other Process Improvement Projects to be identified
Facilities	
Headquarters purchase and relocation	
Infrastructure	
Ranger Maintenance Upgrade	Mandatory upgrade to baseline ABB software.
Oracle Forms Replacement	Implementation of technical architecture to replace outdated (and unsupported) platform.
OIS&R Replacement	Implementation of standardized EAI technology to replace proprietary vendor integration solution for SMD2 systems.
Data communications security enhancements	Homeland Security / NERC initiative to enhance the security of the ICCP communications network.

Product enhancements identified on this list represent items that the NYISO recommendeds undergo a detailed cost and feasability assessment for potential inclusion in the 2006 projects budget.

Summary of Future Product Enhancement Opportunities

Following is a list of issues and projects that were reviewed by the NYISO for funding consideration in 2006, but were not recommended to undergo detailed cost assessments. Some of these items may be addressed as baseline efforts, Others may become projects in future years, and others may never be completed.

Enhancements Identified as Future Opportunities; not Recommended for 2006

15-min External Transaction Scheduling	Online Audit Program for Tracking Reserves
Automate EDRP Settlement Process	Operational Tools for Broader System Monitoring
Automate FERC Reports (Forms 582 & 714)	Real-time ATC Posting
BPCG for RRC Down Units	Reduce Lead-time for In-Day Trans. Scheduling
Capacity Report Enhancements for SMD2	Reference Price Calculations in MIS
Cedars Line Proxy Bus	Regional Regulation Market (Northeast)
Credit Management System	Regional Reserve Market (Northeast)
Demand Response Part. in Reserve Markets	Replace ICAP Import Rights Allocation Process
Dialogic Application for DADRP	Replace MICROGads calculation of EFORd
ELR MWhr Bidding Capability for SCUC	Replace SAS calculation of EFORd for SCRs
HQ / NYISO interface initiatives	SCUC Local Reliability Rule Pass Changes
In-house Price Validation Tools	Sharing of Operator Training Data / Displays
Load Bid Verification	RT Bid Adjustments for Units with DAM Awards
Marketplace "Sandbox" Environment	Virtual Trading in NYC Load Pockets
Neptune Line Proxy Bus	Voltage Support Service Enhancements
NERC Data Posting Requirements	Working Capital Rebalancing
NICE Internal Controllable Lines	