

NYISO 2016 Project Prioritization - NYISO Scoring Details

Product / Project	Product portfolio	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Score (1-1240)
		Strategy				Outcome				Risk			Execution				
		Leader in Reliability	Leader in Market Design	Leader in Technology Innovation	Sustain and Enhance Robust Planning Processes	NYISO Cost Reduction	Appeal	Market Efficiency	Post-Production Sustainability	Compliance	Business Process (inclusive of technology impact on business process)	Reliability and Market	Cost	Multi-Year Dependency	Complexity of Business and Technology	Compliance	
		10	10	6	9	10	10	10	5	10	10	10	4	6	4	10	
Enterprise Information Management: Data Integration Phas	Business Intelligence Products	0	0	10	0	7	3	0	3	7	7	7	0	10	3	0	457
Enterprise Information Management: Analytics Environmen	Business Intelligence Products	0	0	10	0	7	3	0	3	0	7	7	0	7	7	0	385
Public Website Look Refresh	Business Intelligence Products	0	0	3	0	0	3	0	7	3	0	0	3	7	7	0	195
Issue Tracking List for Public Website	Business Intelligence Products	0	0	10	0	0	3	0	7	0	0	0	7	0	10	0	193
DMNC Test Validation Automation	Capacity Market Products	0	0	3	0	3	7	3	3	3	3	0	3	0	3	0	247
ICAP AMS Enhancements Phase 3	Capacity Market Products	0	3	3	0	3	3	3	7	3	7	3	3	7	7	0	385
ICAP Auction Validating and Reporting Phase 3	Capacity Market Products	0	0	3	0	3	3	0	7	3	3	0	7	3	7	0	247
ICAP Reference System Phase 2	Capacity Market Products	0	3	3	0	3	3	3	3	3	7	7	7	3	7	0	397
Reactive Test Data Management System	Capacity Market Products	3	0	3	0	3	3	0	7	7	7	3	7	7	3	0	395
Automate ICAP Import Rights	Capacity Market Products	0	0	10	0	3	3	7	3	7	7	3	3	0	3	0	339
Demand Curve Reset	Capacity Market Products	10	7	3	10	10	10	10	10	10	0	10	0	10	3	10	1,000
Winter DMNC Temperature Adjustments	Capacity Market Products	3	7	0	0	0	3	7	7	0	7	3	3	0	7	0	375
ICAP Import Rights Design	Capacity Market Products	0	3	0	0	3	7	3	7	0	0	3	7	0	7	0	281
Performance Assurance - Study	Capacity Market Products	3	3	0	3	0	3	3	10	0	3	0	10	0	7	3	325
Alternative Methods for Calculating the Locational Capacity	Capacity Market Products	7	7	3	7	0	10	10	10	3	7	10	0	7	0	3	743
Modify Demand Curve to Minimize Costs of Satisfying LCR	Capacity Market Products	3	7	0	0	0	3	7	3	0	0	0	3	0	3	0	239
Internal Capacity Deliverability Rights for Transmission Upd	Capacity Market Products	3	7	0	7	0	3	7	3	0	10	0	0	0	0	3	408
Locational Planning Requirements - Pre-define Capacity Z	Capacity Market Products	3	7	0	3	3	7	3	7	3	0	0	3	0	3	3	376
Expand BSM to Address Uneconomic Transmission Invest	Capacity Market Products	0	3	0	0	0	3	3	3	0	0	0	7	0	3	0	145
Reform Offer Floor for Mitigated Projects (SOM)	Capacity Market Products	0	3	0	0	0	7	3	0	0	0	0	10	0	10	3	240
Behind the Meter: Net Generation Integration	Capacity Market Products	7	10	3	3	0	10	7	3	3	3	10	3	7	7	0	642
Develop Rules for the Elimination of Capacity Zones or Ach	Capacity Market Products	3	7	0	3	3	10	7	7	0	0	0	3	0	3	3	416
Model Zone K as Export Constrained	Capacity Market Products	3	7	0	3	0	7	3	7	0	0	10	3	3	3	3	434
External CRIS Rights for Non-UDR Transmission Expansio	Capacity Market Products	3	7	0	0	0	3	7	3	0	0	0	3	0	3	0	239
Mitigation Rules for Uneconomic Retention of Capacity (SC	Capacity Market Products	0	7	0	0	0	7	7	3	0	0	0	7	0	3	3	295
Mitigation Rules for Uneconomic Investment Outside the G	Capacity Market Products	0	3	0	0	0	7	3	7	0	0	0	3	0	7	3	235
Limited Application of Buyer Side Mitigation by Technology	Capacity Market Products	3	3	0	0	0	3	3	10	0	3	0	7	0	10	3	298
Renewables Exemption	Capacity Market Products	3	7	0	0	0	10	3	10	0	3	10	7	3	10	3	526
Self-Supply Mitigation Measures	Capacity Market Products	3	0	0	0	3	3	0	7	0	0	0	7	0	7	3	211
Repowering Exemption	Capacity Market Products	3	3	0	3	0	3	3	3	0	3	7	7	0	3	3	332
Competitive Entry Exemption for Additional CRIS	Capacity Market Products	3	3	0	0	3	3	3	10	0	0	0	10	3	10	3	328
Modify the Pivotal Supplier Test (SOM)	Capacity Market Products	0	7	0	0	0	3	7	10	0	3	3	10	3	10	3	408
Modify Treatment of Units Being Replaced, Mothballed and	Capacity Market Products	7	7	0	3	7	3	7	7	0	3	3	7	3	10	3	548
Enhanced EAS Forecasting Engine	Capacity Market Products	0	0	0	3	0	3	7	0	0	0	10	3	0	0	3	269
BSM Part A and Part B Test Enhancements	Capacity Market Products	3	3	0	0	3	3	3	7	0	3	7	7	3	7	3	389
Develop Physical Withholding Rules for UDRs	Capacity Market Products	0	7	3	0	0	3	7	10	0	0	0	10	0	10	3	348
Critical Operating Day Incentive	Capacity Market Products	3	3	0	3	0	7	3	3	0	0	3	3	3	3	10	374
Outage State Penalty for Failure to Return to Service to Me	Capacity Market Products	3	0	0	3	0	7	0	3	7	3	3	7	3	3	7	400
RMR Cost Recovery	Capacity Market Products	10	3	3	7	0	10	3	3	10	10	10	3	10	3	10	840
Demand Response in the Real-Time Energy Market	Demand Response Products	3	10	0	0	0	7	7	3	3	0	0	3	3	0	10	445
DRIS and DR Reporting Enhancements for DR Program Ac	Demand Response Products	0	0	3	0	3	3	0	7	3	7	3	7	3	7	0	317
Demand Response Contingency Implementation: Order 74	Demand Response Products	0	3	0	0	0	3	3	7	10	7	7	3	0	3	10	489
Evaluation of the Bulk Power System and Market Impacts o	Demand Response Products	0	0	0	3	0	7	3	0	0	0	0	7	0	0	0	155
SCR Performance Obligations: Change Minimum Performa	Demand Response Products	3	3	0	3	3	3	7	10	0	3	3	7	7	10	0	437
Fuel Assurance - Constrained Fuel Supply Bidding (SOM)	Energy Market Products	7	10	3	3	0	10	3	7	0	7	10	3	3	7	3	638
Energy Storage Optimization	Energy Market Products	7	10	3	0	0	10	3	7	0	3	10	3	0	7	0	523
Targeted Virtual Trading	Energy Market Products	3	10	0	0	0	3	3	7	0	0	10	0	0	0	0	325
Linked Virtual Buy-Sell Transactions	Energy Market Products	0	10	0	0	0	7	3	10	0	0	10	7	0	10	0	418
Long Island PAR Optimization & Financial Rights (SOM)	Energy Market Products	3	10	0	0	0	3	10	7	0	0	10	3	0	3	0	419

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		Leader in Reliability	Leader in Market Design	Leader in Technology Innovation	Sustain and Enhance Robust Planning Processes	NYISO Cost Reduction	Appeal	Market Efficiency	Post-Production Sustainability	Compliance	Business Process (inclusive of technology impact on business process)	Reliability and Market	Cost	Multi-Year Dependency	Complexity of Business and Technology	Compliance	
		10	10	6	9	10	10	10	5	10	10	10	4	6	4	10	
Hybrid GT Pricing Improvements (SOM)	Energy Market Products	3	10	0	0	0	10	3	10	0	3	10	3	0	7	3	510
RTC-RTD Forward Horizon Coordination Improvements (SOM)	Energy Market Products	7	10	0	0	0	3	10	7	0	10	10	0	0	0	0	535
Enhanced PAR Modeling (SOM)	Energy Market Products	7	7	3	0	0	3	3	3	0	3	10	0	0	0	0	363
Review of RACT Compliance Plans (SOM)	Energy Market Products	0	3	0	3	0	3	3	7	0	0	3	7	0	7	0	238
Wholesale Market Alignment with the NY PSC REV Process	Energy Market Products	10	10	10	7	0	10	7	7	0	10	10	3	3	7	0	786
Fuel Limited Reserves (SOM)	Energy Market Products	7	10	7	0	0	7	3	3	0	0	3	0	0	0	3	387
5-minute Transaction Scheduling (SOM)	Energy Market Products	3	10	0	0	0	3	3	7	0	0	7	0	0	0	0	295
15-minute Transaction Scheduling - HQ Cedars (SOM)	Energy Market Products	3	3	0	0	0	3	3	7	0	0	7	7	0	7	3	311
15-minute Transaction Scheduling - IESO (SOM)	Energy Market Products	7	7	0	0	0	3	7	7	0	0	7	7	0	3	3	415
NERC CIP v5 Planning & Conversion - Phase II	Enterprise Products	0	0	10	0	0	10	0	10	10	10	10	3	10	7	10	710
NAESB Public Key Infrastructure	Enterprise Products	0	0	10	0	0	10	0	10	10	10	10	3	10	7	10	710
Market Test Environment	Enterprise Products	0	0	7	0	0	3	0	7	0	0	0	3	10	7	0	207
Storage Infrastructure Redesign Phase II	Enterprise Products	0	0	10	0	7	3	0	10	0	10	10	0	10	10	0	510
Identify and Access Management (IAM) - Phase V	Enterprise Products	0	0	10	0	7	3	0	10	10	7	0	3	10	7	0	480
Application Platform Upgrade Phase III	Enterprise Products	3	0	7	3	3	3	0	10	3	10	10	3	10	3	0	523
Enterprise Monitoring Phase III	Enterprise Products	0	0	7	0	3	3	0	10	3	10	7	3	7	10	0	446
Stakeholder Services Suite Phase II	Enterprise Products	0	0	3	0	3	3	0	10	0	3	0	7	7	7	0	256
Integration Platform Availability Improvements	Enterprise Products	0	0	7	0	0	3	0	10	3	10	10	3	0	10	0	404
Learning Management System	Enterprise Products	0	0	3	0	0	3	0	10	0	0	0	7	0	10	0	166
Service Management Enhancements	Enterprise Products	0	0	7	0	3	3	0	10	0	3	0	7	0	10	0	250
Database Upgrades and Performance Improvements	Enterprise Products	0	0	10	0	3	3	0	10	10	10	10	3	0	10	0	522
Telephony System Upgrade	Enterprise Products	0	0	7	0	10	3	0	10	0	10	10	0	0	7	0	450
Enterprise Job Scheduling Upgrade	Enterprise Products	0	0	7	0	0	3	0	10	3	10	10	7	0	7	0	408
Network Proxy Upgrade	Enterprise Products	0	0	7	0	0	3	0	10	0	10	10	7	0	10	0	390
Laptop/Desktop Refresh and Migration	Enterprise Products	0	0	7	0	3	3	0	10	0	10	3	0	0	10	0	322
Content Management System Upgrade and Consolidation	Enterprise Products	0	0	7	0	3	3	0	10	0	10	3	3	0	10	0	334
Email Security Enhancements	Enterprise Products	0	0	3	0	0	3	0	10	7	10	0	10	0	10	0	348
Conference Room Technology Refresh	Enterprise Products	0	0	3	0	0	3	0	10	0	0	0	7	0	10	0	166
Enterprise Project Management (EPM) Upgrade	Enterprise Products	0	0	7	0	3	3	0	10	0	7	3	7	0	10	0	320
Regulated Transmission Cost Recovery - Phase 2	Finance Products	0	3	0	0	0	10	3	10	3	0	0	7	7	10	3	380
Day Ahead Margin Assurance Payment (DAMAP) Enhancement	Finance Products	0	3	0	0	0	3	7	10	0	0	0	7	0	10	0	248
North Subzone Redistricting	Finance Products	0	7	0	0	0	3	7	10	3	7	0	3	7	7	0	402
Rate Schedule 1 Technology Automation	Finance Products	0	3	7	0	0	3	3	7	3	7	7	3	3	10	0	407
CMS Financial Risk Assessment Tools	Finance Products	0	0	3	0	3	3	0	7	7	0	7	7	10	10	0	381
Settlements Sub Accounts	Finance Products	0	0	0	0	0	3	0	7	0	0	0	7	0	7	0	121
CMS Ratings Automation	Finance Products	0	0	3	0	3	3	0	7	7	0	7	7	10	10	0	381
CMS Unbalanced Trading Hubs	Finance Products	0	7	0	0	0	3	0	3	0	0	0	3	0	10	0	167
Foreign Guarantees	Finance Products	0	0	0	0	0	3	3	3	0	0	0	10	0	10	0	155
Budget vs Actual Automation	Finance Products	0	0	7	0	0	3	0	7	0	0	0	7	0	7	0	163
RFP Evaluation Tool	Finance Products	0	0	7	0	3	3	0	7	0	0	0	7	0	10	0	205
Liquidation of Defaulting TCC Holders Portfolio	Finance Products	0	0	0	0	0	3	3	7	0	0	3	10	0	10	0	205
Calculations for BAL Standards	Operations & Reliability Product	3	0	0	0	0	10	0	10	10	3	0	7	0	10	10	478
Breaker Level Market Modeling	Operations & Reliability Product	7	7	0	0	3	3	7	10	3	0	0	7	0	10	0	418
Transmission Outage Application Platform Upgrade	Operations & Reliability Product	7	0	10	0	3	3	0	3	7	10	7	3	0	10	0	497
EMS BMS System Upgrade	Operations & Reliability Product	10	10	10	0	10	3	10	0	10	10	10	0	10	0	0	850
Coordinated Transaction Scheduling with ISO-NE (SOM)	Operations & Reliability Product	0	10	0	0	0	3	10	10	7	0	0	7	10	3	0	450
MetrixDR Load Forecaster Upgrade	Operations & Reliability Product	10	3	10	10	0	3	3	3	10	10	10	3	10	7	0	755
Scheduling & Pricing - Comprehensive Scarcity Pricing (SC)	Operations & Reliability Product	0	10	0	0	0	3	10	10	0	0	0	3	10	3	0	364
Comprehensive Scarcity Pricing - Ranger/DRIS Integration	Operations & Reliability Product	7	0	3	0	3	3	3	7	3	7	3	3	0	7	0	383

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		Strategy				Outcome				Risk			Execution				
		Leader in Reliability	Leader in Market Design	Leader in Technology Innovation	Sustain and Enhance Robust Planning Processes	NYISO Cost Reduction	Appeal	Market Efficiency	Post-Production Sustainability	Compliance	Business Process (inclusive of technology impact on business process)	Reliability and Market	Cost	Multi-Year Dependency	Complexity of Business and Technology	Compliance	
		10	10	6	9	10	10	10	5	10	10	10	4	6	4	10	
Transmission Service Charges Rate Update	Operations & Reliability Product	0	7	0	0	0	3	0	10	10	0	0	7	0	10	0	318
Interconnection Reliability Operating Limits IROL Visualizat	Operations & Reliability Product	10	0	0	0	0	3	0	10	7	0	0	7	0	10	0	318
Smart Grid Visualization	Operations & Reliability Product	10	0	3	0	0	3	0	10	3	0	0	3	0	10	0	280
NERC Certification Task Management	Operations & Reliability Product	7	0	3	0	3	3	0	10	10	10	3	3	0	10	0	430
Price Validation Test Automation	Operations & Reliability Product	0	0	0	0	7	3	3	10	7	0	0	0	0	10	0	290
PCC Visualization Options	Operations & Reliability Product	10	0	3	0	0	3	0	7	3	3	3	0	0	7	0	301
CTS - NE System Audit	Operations & Reliability Product	0	0	0	0	0	3	0	10	3	0	0	3	0	7	0	150
Synchrophasor Product Upgrade	Operations & Reliability Product	3	0	3	3	0	3	0	10	3	0	0	7	0	10	0	253
NERC IDC System Tool Modification	Operations & Reliability Product	3	0	3	0	3	3	0	10	3	0	0	7	0	10	0	256
DAM Posting Improvements	Operations & Reliability Product	3	3	3	0	0	7	0	10	0	0	0	7	0	7	3	284
FERC Funded Rerun - Phase 4	Operations & Reliability Product	0	0	3	0	3	10	3	10	3	0	0	7	7	7	10	456
2016 Reference Level Software Enhancements	Operations & Reliability Product	3	7	3	0	3	3	7	10	3	0	0	3	0	10	0	380
Market Operations Report	Operations & Reliability Product	0	0	3	0	7	3	0	10	3	0	0	3	3	7	0	256
Modeling 100+kV Transmission Constraints (SOM)	Operations & Reliability Product	3	3	0	0	0	7	3	7	0	0	0	7	0	7	0	251
Order 1000	Planning Products	0	0	0	10	0	10	0	10	10	3	0	3	10	3	10	554
Solar Forecasting Initiatives	Planning Products	7	3	7	10	0	10	3	3	0	0	0	7	7	7	0	475
Generator Reporting Enhancements	Planning Products	0	0	3	7	7	3	0	3	3	0	0	7	0	7	0	282
Congestion Reporting Enhancements	Planning Products	0	0	3	7	3	3	0	3	3	0	0	7	0	7	0	242
TCC AMS Round Type and Upgrade	TCC Products	0	0	3	0	3	3	0	10	3	7	3	7	7	10	0	368
TCC Balance-of-Period (TCC AMS, TCC AVS & CMS)	TCC Products	0	10	3	0	0	3	10	7	0	3	3	0	7	3	3	427
On-Peak/Off-Peak TCCs	TCC Products	0	7	0	0	0	3	7	3	0	0	0	0	0	3	0	197

PRIORITIZATION CRITERIA							
#	Category	Criteria	Criteria Weight (1-10)	HIGH	MEDIUM	LOW	NONE
				10	7	3	0
1	Strategy (If we do this project)	Leader in Reliability	10	Significantly improves NYISO ability to maintain NYCA Reliability	Moderately improves NYISO ability to maintain NYCA Reliability	Minimally improves NYISO ability to maintain NYCA Reliability	None
2		Leader in Market Design	10	Significantly improves NYISO Market Design	Moderately improves NYISO Market Design	Minimally improves NYISO Market Design	None
3		Leader in Technology Innovation	6	Significantly advances the IT strategy or technology improvement	Moderately advances the IT strategy or technology improvement	Minimally advances the IT strategy or technology improvement	None
4		Sustain and Enhance Robust Planning Processes	9	Supports tariff, FERC, NPCC, or NYISERC compliance requirements for Planning Process	Supports reliability planning and/or Business Plan objectives	Required for SRP planning study efficiency or continuous improvement initiatives	None
5	Outcome (If we do this project)	NYISO Annual Cost Reduction	10	>\$500k savings-Direct and soft (labor)	>\$100k, <\$500k savings-Direct and soft (labor)	>\$10k, <\$100k savings - Direct and soft (labor)	<\$10k savings - Direct and soft (labor)
6		Appeal	10	Broad Customer Support : Supported by 4 or more sectors; or 3 sectors and 12 or more organizations (20% of survey respondents); or Mandatory Project	Moderate Customer Support: Supported by 3 Sectors; or 2 Sectors and 6 or more organizations (10% or survey respondents)	Desired by NYISO and/or limited customer support of 1 or more organizations	Not Desired by Customer & Not Desired by NYISO
7		Market Efficiency	10	Significant improvement	Moderate improvement	Minimal improvement	No impact
8		Post Production Sustainability	5	Existing support structure and skills	Support structure exists but needs minimal modifications	Support structure exists but needs major modifications	No skills or support structure in place
9	Risk (If we do NOT do this project)	Compliance	10	Significant risk of compliance violation	Moderate risk of compliance violation	Minimal risk of compliance violation	None
10		Business Process (inclusive of technology impact on business process)	10	Enterprise Wide and/or Bid to Bill Impact. The project impacts processes in most departments	Multiple Department Impact.	Department Wide Impact The project impacts many processes within a department	Only one or two processes impacted
11		Reliability and Market	10	Mission-critical systems becoming non operational or above \$1 million market impact	Non mission-critical systems becoming non operational or \$100,000 - \$1 million market impact	Non mission-critical systems affected or \$10,000 - \$100,000 market impact	No or less than 10,000 impact

Sum 100

Execution							
1	Execution (If we do this project)	Cost	4	Total project cost (current & future years) estimated <\$100k	Total project cost (current & future years) estimated >\$100k, <\$500k	Total project cost (current & future years) estimated >\$500, <\$1M	Total project cost (current & future years) estimated >\$1M
2		Multi-Year Dependency	6	Continuation of a multi-year project - postponement significantly disrupts value of previous investments	Continuation of a multi-year project - postponement moderately disrupts value of previous investments	Continuation of a multi-year project - postponement minimally disrupts value of previous investments	None
3		Complexity of Business and Technology	4	One area/technology	Cross-functional < 3 Areas/Technology	Highly Cross-functional/ Re-engineering	Complex, solution and impact unknown
4		Compliance	10	Non-appealable, ordered by FERC / desired by NYISO and MP	Ordered by FERC, undesired by NYISO or MP	Potential order identified by FERC	No order identified by FERC