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Energy Price Formation
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8.24.2022
9.21.2022
ciated with Reserve Price Formation
onized Reserve Market ynchronized Reserve Market Scheduling Reserve Market ets ss Rules rce Eligibility Eligibility for Nuclear, Wind, Solar Resources ad Response Reserve Eligibility Requirements on for Reserve Capability Limitation rce Offer Structure rce Capability



- 4.2.5.2 Reserve Markets Capability for Offline Generation Resources
- 4.2.5.3 Reserve Markets Capability for Synchronous Condensers
 - 4.2.5.4 Reserve Market Capability for Hydropower Resources
- 4.3 Reserve Requirement Determination
 - 4.3.1 Locational Aspect of Reserves
 - 4.3.2 Creation of New Reserve Subzones
 - 4.3.3 Reserve Demand Curves and Penalty Factors
- o 4.4 Reserve Markets Clearing
 - 4.4.1 Product and Locational Substitution
 - 4.4.2 Day-Ahead Reserve Market Clearing
 - 4.4.3 Real-Time Reserve Market Clearing
 - 4.4.3.1 Deselection of Reserve Resources in Real-Time
 - 4.4.4 Opportunity Costs for Condensers in the Reserve Clearing
 - 4.4.5 Determination of Reserve Clearing Prices
- o 4.5 Event Performance
 - 4.5.1 Performance Verification
 - 4.5.2 Non-Performance
- 4.6 Reserve Obligations
- 4.7 Bilateral Transactions
- o 4.8 Settlements

Edits to Existing Sections

- 1 Overview
- 1.1 PJM Responsibilities
- 2.3.3.2 Generation Schedules
- 2.3.7 Mechanical/Technical Rules
- 2.7 Locational Pricing Calculator (LPC)
- 2.8 The Calculation of Locational Marginal Prices (LMPs) During Emergency Procedures
- 2.9 Shortage Pricing
- 2.14 Balancing Operating Reserve Cost Analysis
- 3.1 Overview of the PJM Regulation Market
- 3.2.1 Regulation Market Eligibility
- 3.2.7 Regulation Market Clearing
- 3.2.7.5 Total Offer
- 5.2.4 Markets Database System
- 10.1 Overview of Demand Resource Participation
- 10.2 Demand Resource Registration Requirements
- 10.2.1 Registration Combinations
- 10.2.2 Curtailment Service Providers
- 10.4.1 Metered Data
- 10.5 Aggregation for Economic, Pre-Emergency and Emergency Demand Resources

Additional Changes:

- Section 2.5.3.3 Real-time Security Constrained Economic Dispatch Methodology
 - Updated Achievable Target MW calculation
 - Updated definition of up/down ramp rate used
 - o Updated diagram to reflect these changes
- Updated DA Market Ops owner from Mike Ward to Joe Ciabattoni