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- 14.6 Potomac Economics, Ltd. Limitation Of Liability
- 14.7 Allocation of Reliability-Related Penalty Costs
 - 14.7.1 Overview of Process
 - 14.7.2 Direct Allocation of Reliability Standards Penalties
 - 14.7.3 Indirect Allocation of Reliability-Related Penalty Costs

15. Regulatory Filings

16. Existing Contracts

- 16.1 Continuation Of Existing Contracts For Non-Participating TOs
 - 16.1.1 Participating TO Obligation
 - 16.1.2 Right To Use And Ownership Of Facilities
 - 16.1.3 Existing Contract Dispute Resolution
 - 16.1.4 Conversion Of PTOs' Rights Under Existing Contracts
- 16.2 [Not Used]
- 16.3 [Not Used]
- 16.4 TRTC Instructions
 - 16.4.1 Responsibility To Create TRTC Instructions
 - 16.4.2 Responsible PTO Re Multiple PTO Parties To Existing Contract
 - 16.4.3 Scheduling Coordinator Responsibilities
 - 16.4.4 Submission Of TRTC Instructions
 - 16.4.5 TRTC Instructions Content
 - 16.4.6 Changes And Updates To TRTC Instructions
 - 16.4.7 Treatment Of TRTC Instructions
 - 16.4.8 CAISO Role In Existing Contracts
 - 16.4.9 Implementation Of TRTC Instructions
- 16.5 Treatment Of Existing Contracts For Transmission Service
 - 16.5.1 System Emergency Exceptions
- 16.6 Valid ETC Self-Schedules
 - 16.6.1 Validation Of ETC Self-Schedules
 - 16.6.2 Treatment Of Invalid ETC Self-Schedules
 - 16.6.3 Treatment Of Valid ETC Self-Schedules
 - 16.6.4 Notification To SCs Of CAISO Determination
- 16.7 [Not Used]
- 16.8 [Not Used]
- 16.9 The HASP
 - 16.9.1 Scheduling Deadlines
- 16.10 The CAISO'S Real-Time Process
- 16.11 Inter-Balancing Authority Area ETC Self-Schedule Bid Changes
- 16.12 Intra-Balancing Authority Area ETC Self-Schedule Changes

17. Transmission Ownership Rights (TORs)

- 17.1 TRTC Instructions
 - 17.1.1 Responsibility To Create TRTC Instructions

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- 17.1.2 TOR Scheduling Coordinator Responsibilities
- 17.1.3 Submission Of TRTC Instructions
- 17.1.4 TRTC Instructions Content
- 17.1.5 Changes And Updates To TRTC Instructions
- 17.1.6 CAISO Role In Accepting TRTC Instructions
- 17.1.7 Implementation Of TRTC Instructions
- 17.2 Treatment Of TORs
 - 17.2.1 System Emergency Exceptions
- 17.3 Valid TOR Self-Schedules
 - 17.3.1 Validation Of TOR Self-Schedules
 - 17.3.2 Treatment Of Invalid TOR Self-Schedules
 - 17.3.3 Settlement Treatment Of Valid TOR Self-Schedules
 - 17.3.4 Notification To SCs Of CAISO Determination
- 17.4 The HASP
 - 17.4.1 Scheduling Deadlines
- 17.5 The CAISO'S Real-Time Process
- 17.6 Inter-Balancing Authority Area TOR Self-Schedule Bid Changes
- 17.7 Intra-Balancing Authority Area TOR Self-Schedule Changes
- 17.8 Existing Contracts Re TORs For Non-Participating TOs
 - 17.8.1 Participating TO Obligation
 - 17.8.2 Right To Use And Ownership Of TORs
 - 17.8.3 Dispute Resolution For Existing Contracts Applicable To TORs
- 17.9 Conversion Of PTOs' Rights Under Existing Contracts Re TORs
- 17.10 TOR Operational Obligations

18. [Not Used]

19. [Not Used]

- 19.1 [Not Used]
 - 19.1.1 [Not Used]
 - 19.1.2 [Not Used]
 - 19.1.3 [Not Used]
- 19.2 [Not Used]

20. Confidentiality

- 20.1 CAISO
- 20.2 Confidential Information
- 20.3 Other Parties
- 20.4 Disclosure
- 20.5 Confidentiality

21. [Not Used]

22. Miscellaneous

- 22.1 Audits
 - 22.1.1 Materials Subject To Audit
 - 22.1.2 CAISO Audit Committee
 - 22.1.3 Audit Results
 - 22.1.4 Availability Of Records
 - 22.1.5 Confidentiality Of Information
 - 22.1.6 Payments
- 22.2 Assignment
- 22.3 Term And Termination
 - 22.3.1 Effective Date Of CAISO Tariff
 - 22.3.2 Termination Of CAISO Tariff With Board And FERC Approval
- 22.4 Notice

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- 22.4.1 Effectiveness
- 22.4.2 Addresses
- 22.4.3 Notice Of Changes In Operating Procedures And BPMs
- 22.5 Waiver
- 22.6 Staffing And Training To Meet Obligations
- 22.7 Accounts And Reports
- 22.8 Applicable Law And Forum
- 22.9 Consistency With Federal Laws And Regulations
- 22.10 Administrative Fees
- 22.11 Operating Procedures And BPM Development And Amendment
 - 22.11.1 Process For Revisions Of Business Practice Manuals
 - 22.11.2 Changes To BPM For BPM Change Management
 - 22.11.3 Requests For And Access To Nonpublic Operating Procedures
- 22.12 [Not Used]
- 22.13 Scheduling Responsibilities And Obligations

23. Categories Of Transmission Capacity

24. Comprehensive Transmission Planning Process

- 24.1 Overview
 - 24.1.1 [Not Used]
 - 24.1.2 [Not Used]
 - 24.1.3 [Not Used]
 - 24.1.4 [Not Used]
- 24.2 Nature of the Transmission Planning Process
 - 24.2.1 [Not Used]
 - 24.2.2 [Not Used]
 - 24.2.3 [Not Used]
 - 24.2.4 [Not Used]
- 24.3 Transmission Planning Process Phase 1
 - 24.3.1 Inputs to the Unified Planning Assumptions and Study Plan
 - 24.3.2 Contents of the Unified Planning Assumptions and Study Plan
 - 24.3.3 Stakeholder Input - Unified Planning Assumptions/Study Plan
 - 24.3.4 Economic Planning Studies
 - 24.3.5 [Not Used]
- 24.4 Transmission Planning Process Phase 2
 - 24.4.1 Conducting Technical Studies
 - 24.4.2 Proposed Reliability Driven Transmission Solutions
 - 24.4.3 Phase 2 Request Window
 - 24.4.4 Comment Period of Conceptual Statewide Plan
 - 24.4.5 Determination of Needed Transmission Solutions
 - 24.4.6 Categories of Transmission Solutions
 - 24.4.7 Description of Transmission Solutions
 - 24.4.8 Additional Contents of Comprehensive Transmission Plan
 - 24.4.9 Phase 2 Stakeholder Process
 - 24.4.10 Transmission Plan Approval Process
- 24.5 Transmission Planning Process Phase 3
 - 24.5.1 Competitive Solicitation Process
 - 24.5.2 Project Sponsor Application and Information Requirements
 - 24.5.3 Project Sponsor and Proposal Qualification
 - 24.5.4 Project Sponsor Selection Factors and Comparative Analysis
 - 24.5.5 Notice to Project Sponsors
 - 24.5.6 Competitive Solicitation Project Proposal Fee
- 24.6 Obligation to Construct Transmission Solutions
 - 24.6.1 Approved Project Sponsor Reporting Requirements
 - 24.6.2 Delay in the Transmission Solution In-Service Date

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- 24.6.3 Development and Submittal of Mitigation Plans
- 24.6.4 Inability to Complete the Transmission Solution
- 24.7 Documentation of Compliance with NERC Reliability Standards
- 24.8 Additional Planning Information
 - 24.8.1 Information Provided by Participating TOs
 - 24.8.2 Information Provided by Participating Generators
 - 24.8.3 Information Requested from Load Serving Entities
 - 24.8.4 Information from BAAs and Regulators
 - 24.8.5 Obligation to Provide Updated Information
- 24.9 Participating TO Study Obligation
- 24.10 Operational Review and Impact Analysis
 - 24.10.1 [Not Used]
 - 24.10.2 [Not Used]
 - 24.10.3 [Not Used]
 - 24.10.4 [Not Used]
- 24.11 [Not Used]
 - 24.11.1 [Not Used]
 - 24.11.2 [Not Used]
 - 24.11.3 [Not Used]
- 24.12 WECC and Interregional Coordination
- 24.13 Interregional Transmission Proposals in the Regional Process
 - 24.13.1 [Not Used]
 - 24.13.2 [Not Used]
- 24.14 Cost Responsibility for Transmission Additions or Upgrades
 - 24.14.1 Project Sponsor Commitment to Pay Full Cost
 - 24.14.2 Cost of Needed Addition or Upgrade to be Borne by PTO
 - 24.14.3 CRR Entitlement for Project Sponsors Not Recovering Costs
 - 24.14.4 RAC Treatment of New Regional Transmission Facilities Costs
- 24.15 Ownership of and Charges for Expansion Facilities
 - 24.15.1 Transmission Additions and Upgrades Under TCA
 - 24.15.2 Access and Charges for Transmission Additions and Upgrades
- 24.16 Expansion by Local Furnishing Participating TOs
- 24.17 Evaluation of Interregional Transmission Products
 - 24.17.1 Submission of Interregional Transmission Projects
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 - 24.17.3 Selection in the Comprehensive Transmission Plan
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 - 24.17.5 Monitoring the Status of Interregional Transmission Projects
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- 24.18 Order 1000 Common Interregional Tariff
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- 25.1 Applicability
 - 25.1.1 Interconnection Request And Generating Unit Requirements
 - 25.1.2 Affidavit Requirement
- 25.2 Interconnections To The Distribution System
- 25.3 Maintenance Of Encumbrances
- 25.4 Asynchronous Generating Facilities
- 25.5 Modifications to Generating Facilities

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26. Transmission Rates And Charges

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 - 26.1.1 Publicly Owned Electric Utilities Access Charge
 - 26.1.2 Regional Access Charge Settlement
 - 26.1.3 Disbursement Of RAC Revenues
 - 26.1.4 Wheeling
 - 26.1.5 Unbundled Retail Transmission Rates
- 26.2 [Not Used]
- 26.3 Addition Of New Facilities After CAISO Implementation
- 26.4 Effect On Tax-Exempt Status
- 26.5 [Not Used]
- 26.6 Location Constrained Resource Interconnection Facilities
 - 26.6.1 LCRIFs That Become Network Facilities

27. CAISO Markets And Processes

- 27.1 LMPs And Ancillary Services Marginal Prices
 - 27.1.1 Locational Marginal Prices For Energy
 - 27.1.2 Ancillary Service Prices
 - 27.1.3 Regulation Mileage Clearing Price
- 27.2 Load Aggregation Points (LAP)
 - 27.2.1 Metered Subsystems
 - 27.2.2 Determination Of LAP Prices
- 27.3 Trading Hubs
- 27.4 Optimization In The CAISO Markets Processes
 - 27.4.1 Security Constrained Unit Commitment
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 - 27.4.3 CAISO Markets Scheduling And Pricing Parameters
- 27.5 Full Network Model
 - 27.5.1 Network Models used in CAISO Markets
 - 27.5.2 Metered Subsystems
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 - 27.5.4 Accounting For Changes In Topology In FNM
 - 27.5.5 Load Distribution Factors
 - 27.5.6 Management and Enforcement of Constraints in the CAISO Markets
- 27.6 State Estimator
- 27.7 Constrained Output Generators
 - 27.7.1 Election Of Constrained Output Generator Status
 - 27.7.2 Election To Waive COG Status
 - 27.7.3 Constrained Output Generators In The IFM
 - 27.7.4 Constrained Output Generators In RUC
 - 27.7.5 Constrained Output Generators In The Real-Time Market
- 27.8 Multi-Stage Generating Resources
 - 27.8.1 Registration and Qualification
 - 27.8.2 Informational Requirements
 - 27.8.3 Changes in Status and Configurations of Resource
- 27.9 Non-Generator Resources MWh Constraints
- 27.10 [Not Used]
- 27.11 Natural Gas Constraint

28. Inter-SC Trades

- 28.1 Inter-SC Trades Of Energy
 - 28.1.1 Purpose
 - 28.1.2 Availability Of Inter-SC Trades Of Energy
 - 28.1.3 Submission Of Inter-SC Trades Of Energy
 - 28.1.4 Information Requirements
 - 28.1.5 General Validation Rules For Inter-SC Trades

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- 28.1.6 Validation Procedures For Physical Trades
- 28.2 Inter-SC Trades Of Ancillary Services
 - 28.2.1 Information Requirements
 - 28.2.2 Validation
 - 28.2.3 Submission Of Inter-SC Trades Of Ancillary Services
- 28.3 Inter-SC Trades Of IFM Load Uplift Obligation
 - 28.3.1 Information Requirements
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 - 28.3.3 Submission Of Inter-SC Trades Of IFM Load Uplift Obligation

29 Energy Imbalance Market

- 29.1 General Provisions.
- 29.2 EIM Entity Access To The Real-Time Market.
- 29.3 [Not Used]
- 29.4 Roles And Responsibilities.
- 29.5 [Not Used]
- 29.6 Communications.
- 29.7 EIM Operations Under Normal And Emergency Conditions.
- 29.8 [Not Used]
- 29.9 Outages and Critical Contingencies.
- 29.10 Metering and Settlement Data.
- 29.11 Settlements And Billing For EIM Market Participants.
- 29.12 Creditworthiness.
- 29.13 Dispute Resolution.
- 29.14 Uncontrollable Forces, Indemnity, Liabilities, and Penalties.
- 29.15 [Not Used]
- 29.16 [Not Used]
- 29.17 EIM Transmission System.
- 29.18 [Not Used]
- 29.19 [Not Used]
- 29.20 Confidentiality.
- 29.21 [Not Used]
- 29.22 Miscellaneous Provisions in Addition to Section 22.
- 29.23 [Not Used]
- 29.24 [Not Used]
- 29.25 [Not Used]
- 29.26 Transmission Rates And Charges.
- 29.27 CAISO Markets And Processes.
- 29.28 Inter-SC Trades.
- 29.29 [Not Used]
- 29.30 Bid and Self-Schedule Submission For CAISO Markets.
- 29.31 Day-Ahead.
- 29.32 Greenhouse Gas Regulation and EIM Bid Adders.
- 29.33 [Not Used]
- 29.34 EIM Operations
- 29.35 Market Validation And Price Correction.
- 29.36 [Not Used]
- 29.37 Rules Of Conduct.
- 29.38 Market Monitoring.
- 29.39 EIM Market Power Mitigation.
- 29.40 [Not Used]
- 29.41 [Not Used]
- 29.42 [Not Used]
- 29.43 [Not Used]
- 29.44 [Not Used]

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30. Bid And Self-Schedule Submission For All CAISO Markets

- 30.1 Bids, Including Self-Schedules
 - 30.1.1 Day-Ahead Market
 - 30.1.2 Real-Time Market
- 30.2 Bid Types
- 30.3 [Not Used]
- 30.4 Proxy Cost and Registered Cost Methodologies
 - 30.4.1 Start-Up and Minimum Load Costs
- 30.5 Bidding Rules
 - 30.5.1 General Bidding Rules
 - 30.5.2 Supply Bids
 - 30.5.3 Demand Bids
 - 30.5.4 Wheeling Through Transactions
 - 30.5.5 Scheduling Sourcing/Sinking in Same Balancing Authority Area
 - 30.5.6 Non-Generator Resource Bids
- 30.6 Bidding and Scheduling of PDRs and RDRRs
 - 30.6.1 Bidding and Scheduling of PDRs
 - 30.6.2 Bidding and Scheduling of RDRRs
 - 30.6.2 E-Tag Rules and Treatment of Intertie Schedules
 - 30.6.3 Net Benefits Test For Scheduling of PDRs or RDRRs
- 30.7 Bid Validation
 - 30.7.1 Scheduling Coordinator Access
 - 30.7.2 Timing Of CAISO Validation
 - 30.7.3 DAM Validation
 - 30.7.4 RTM Validation
 - 30.7.5 Validation Of ETC Self-Schedules
 - 30.7.6 Validation And Treatment Of Ancillary Services Bids
 - 30.7.7 Format And Validation Of Operational Ramp Rates
 - 30.7.8 Format And Validation Of Start-Up And Shut-Down Times
 - 30.7.9 Format And Validation Of Start-Up Costs And Shut-Down Costs
 - 30.7.10 Format And Validation Of Minimum Load Costs
- 30.8 Bids On Out-Of-Service Paths At Scheduling Points Prohibited
- 30.9 Virtual Bids
 - 30.9.1 Virtual Bid Components
- 30.10 Use of AC Solution and Nodal MW Constraints
- 30.11 Filings to Recover Commitment-Related Fuel Costs
- 30.12 Eligibility to Submit Filings to Recover Marginal Fuel-Related Costs
 - 30.12.1 Applicability
 - 30.12.2 Notice and Process
 - 30.12.3 Documentation Required for FERC Filing
 - 30.12.4 Payment Allocation of Costs Recovered Pursuant to FERC Order

31. Day-Ahead Market

- 31.1 Bid Submission And Validation In The Day-Ahead Market
- 31.2 Day-Ahead MPM Process
 - 31.2.1 The Market Power Mitigation Process
 - 31.2.2 Bid Mitigation for RMR Units
 - 31.2.3 Bid Mitigation for Non-RMR Units
- 31.3 Integrated Forward Market
 - 31.3.1 Market Clearing And Price Determination
 - 31.3.2 Congestion And Transmission Losses Cost Determination
 - 31.3.3 Metered Subsystems
- 31.4 CAISO Market Adjustments To Non-Priced Quantities In The IFM
- 31.5 Residual Unit Commitment
 - 31.5.1 RUC Participation
 - 31.5.2 Metered Subsystem RUC Obligation

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- 31.5.3 RUC Procurement Target
- 31.5.4 RUC Procurement Constraints
- 31.5.5 Selection And Commitment Of RUC Capacity
- 31.5.6 Eligibility For RUC Compensation
- 31.5.7 Rescission Of Payments For RUC Capacity
- 31.6 Timing Of Day-Ahead Scheduling
 - 31.6.1 Criteria For Temporary Waiver Of Timing Requirements
 - 31.6.2 Information To Be Published On Secure Communication System
 - 31.6.3 Conditions Permitting CAISO To Abort Day-Ahead Market
 - 31.6.4 [Not Used]
- 31.7 Extremely Long-Start Commitment Process
- 31.8 Constraints Enforced at Interties
 - 31.8.1 Scheduling Constraint
 - 31.8.2 Physical Flow Constraint

32. [Not Used]

33. [Not Used]

34. Real-Time Market

- 34.1 Inputs To The Real-Time Market
 - 34.1.1 Day-Ahead Market Results as Inputs to RTM
 - 34.1.2 Market Model and System Information
 - 34.1.3 Bids in the Real-Time Market
 - 34.1.4 Real-Time Validation of Schedules and Bids
 - 34.1.5 Mitigating Bids in the RTM
 - 34.1.6 Eligible Intermittent Resources Forecast
- 34.2 The Hour-Ahead Scheduling Process
 - 34.2.1 The HASP Optimization
 - 34.2.2 Treatment of Self-Schedules in HASP
 - 34.2.3 Ancillary Services in the HASP and FMM
 - 34.2.4 HASP Results
 - 34.2.5 Cessation of the HASP
- 34.3 Real-Time Unit Commitment
 - 34.3.1 RTUC Optimization
 - 34.3.2 Commitment Of Fast Start And Short Start Units
- 34.4 Fifteen Minute Market
 - 34.4.1 Real-Time Ancillary Services Procurement
- 34.5 Real-Time Dispatch
 - 34.5.1 Real-Time Economic Dispatch
 - 34.5.2 Real-Time Contingency Dispatch
 - 34.5.3 Real-Time Manual Dispatch
- 34.6 Short-Term Unit Commitment
- 34.7 General Dispatch Principles
- 34.8 Dispatch Instructions to Units, Participating Loads, and PDRs, and RDRRs
- 34.9 Utilization Of The Energy Bids
- 34.10 Dispatch Of Energy From Ancillary Services
- 34.11 Exceptional Dispatch
 - 34.11.1 System Reliability Exceptional Dispatches
 - 34.11.2 Other Exceptional Dispatch
 - 34.11.3 Transmission-Related Modeling Limitations
 - 34.11.4 Reporting Requirements
- 34.12 CAISO Market Adjustment To Non-Priced Quantities In The RTM
 - 34.12.1 Increasing Supply
 - 34.12.2 Decreasing Supply
- 34.13 Means Of Dispatch Communication
 - 34.13.1 Response Required By Resources To Dispatch Instructions

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- 34.13.2 Failure To Conform To Dispatch Instructions
- 34.14 Metered Subsystems
- 34.15 Treatment Of Resource Adequacy Capacity In The RTM
- 34.16 Real-Time Activities In The Hour Prior To Settlement Period
 - 34.16.1 Confirm Interchange Transaction Schedules (ITs)
- 34.17 Rules For Real-Time Dispatch Of Imbalance Energy Resources
 - 34.17.1 Resource Constraints
 - 34.17.2 Calculation Of Dispatch Operating Points After Instructions
 - 34.17.3 [Not Used]
 - 34.17.4 Inter-Hour Dispatch Of Resources With Real-Time Energy Bids
 - 34.17.5 Inter-Hour Resources Dispatch Without Real-Time Energy Bids
 - 34.17.6 Intra-Hour Exceptional Dispatches
- 34.18 Ancillary Services In The Real-Time Market
 - 34.18.1 Dispatch Of Self-Provided Ancillary Services
 - 34.18.2 Ancillary Services Requirements For RTM Dispatch
- 34.19 Dispatch Information And Instructions
 - 34.19.1 Dispatch Information To Be Supplied By The CAISO
 - 34.19.2 Dispatch Information To Be Supplied By SC
 - 34.19.3 Dispatch Information To Be Supplied By UDCs
 - 34.19.4 Dispatch Information To Be Supplied By PTOs
 - 34.19.5 Dispatch Information To Be Supplied By Balancing Authorities
- 34.20 Pricing Imbalance Energy
 - 34.20.1 General Principles
 - 34.20.2 Determining Real-Time LMPs
- 34.21 Temporary Waiver of Timing Requirements for RTM
 - 34.21.1 Criteria for Temporary Waiver of Timing Requirements
 - 34.21.2 Information to be Published on Secure Communication System

35. Market Validation And Price Correction

- 35.1 Market Validation
- 35.2 Timing Of The Price Correction Process
- 35.3 Finality Of Prices Subject To The Price Correction Process
 - 35.3.1 Price Corrections and Changes Pursuant to FERC Orders
 - 35.3.2 Processing and Publication Issues
- 35.4 Scope Of Price Corrections
- 35.5 Price Correction Methodology
- 35.6 Weekly Price Correction Report

36. Congestion Revenue Rights

- 36.1 Overview Of CRRs And Procurement Of CRRs
- 36.2 Types Of CRR Instruments
 - 36.2.1 CRR Obligations
 - 36.2.2 CRR Options
 - 36.2.3 Point-To-Point CRRs
 - 36.2.4 [Not Used]
 - 36.2.5 Monthly CRRs
 - 36.2.6 Seasonal CRRs
 - 36.2.7 Long Term CRRs
 - 36.2.8 Full Funding Of CRRs
- 36.3 CRR Specifications
 - 36.3.1 Quantity
 - 36.3.2 Term
 - 36.3.3 On-Peak And Off-Peak Specifications
- 36.4 FNM For CRR Allocation And CRR Auction
 - 36.4.1 Transmission Capacity For CRR Allocation And CRR Auction
 - 36.4.2 Simultaneous Feasibility

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- 36.4.3 Outages That May Affect CRR Revenue; Scheduling Requirements
- 36.5 Candidate CRR Holder And CRR Holder Requirements
 - 36.5.1 Creditworthiness Requirements
 - 36.5.2 Required Training
- 36.6 [Not Used]
- 36.7 Bilateral CRR Transactions
 - 36.7.1 Transfer Of CRRs
 - 36.7.2 Responsibility Of The CAISO
 - 36.7.3 CRR Holder Reporting Requirement
- 36.8 CRR Allocation
 - 36.8.1 Structure Of The CRR Allocation Process
 - 36.8.2 Load Eligible For CRRs And Eligible CRR Sinks
 - 36.8.3 CRR Allocation Process
 - 36.8.4 Eligible Sources For CRR Allocation
 - 36.8.5 Load Migration Between LSEs
 - 36.8.6 Load Forecasts Used To Calculate CRR MW Eligibility
 - 36.8.7 Reconfiguration of CRRs
- 36.9 CRR Allocation To OBAALSEs
 - 36.9.1 Showing Of Legitimate Need
 - 36.9.2 Prepayment Of Wheeling Access Charges
 - 36.9.3 CRR Eligible Quantities
 - 36.9.4 Eligible CRR Sources And Sinks
 - 36.9.5 Priority Nomination Process
- 36.10 CRR Allocation To Metered Subsystems
- 36.11 CRR Allocation To Merchant Transmission Facilities
 - 36.11.1 Eligibility For Merchant Transmission CRRs
 - 36.11.2 Procedure For Allocating Merchant Transmission CRRs
 - 36.11.3 CRRs Allocated To A Transmission Facility Project Sponsor
- 36.12 [Not Used]
- 36.13 CRR Auction
 - 36.13.1 Scope Of The CRR Auctions
 - 36.13.2 Responsibilities Of The CAISO Prior To Each CRR Auction
 - 36.13.3 CRR Holder Creditworthiness
 - 36.13.4 Bids In The CRR Auctions
 - 36.13.5 Eligible Sources And Sinks For CRR Auction
 - 36.13.6 Clearing Of The CRR Auction
 - 36.13.7 Announcement Of CRR Auction Results
- 36.14 CRR Implications Of New IBAA's Or Modifying Existing IBAA's
 - 36.14.1 Coordination Of IBAA Changes With Release Of CRRs
 - 36.14.2 Modifications To CRR Settlement To Reflect IBAA Changes
 - 36.14.3 IBAA Change Impact On Adequacy Of Previously-Released CRRs
- 36.15 [Not Used]

37. Rules Of Conduct

- 37.1 Objectives, Definitions, And Scope
 - 37.1.1 Purpose
 - 37.1.2 Objectives
 - 37.1.3 Application Of Other Remedies
 - 37.1.4 [Not Used]
 - 37.1.5 Administration
- 37.2 Comply With Operating Orders
 - 37.2.1 Compliance With Orders Generally
 - 37.2.2 [Not Used]
 - 37.2.3 Operations & Maintenance Practices
 - 37.2.4 Resource Adequacy Availability

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- 37.2.5 [Not Used]
- 37.2.6 [Not Used]
- 37.3 Submit Feasible Bids And Submissions To Self-Provide
 - 37.3.1 Bidding Generally
 - 37.3.2 Exceptions
- 37.4 Comply With Availability Reporting Requirements
 - 37.4.1 Reporting Availability
 - 37.4.2 Scheduling And Final Approval Of Outages
 - 37.4.3 [Not Used]
 - 37.4.4 Enhancements And Exceptions
- 37.5 Provide Factually Accurate Information
 - 37.5.1 [Not Used]
 - 37.5.2 Inaccurate or Late Actual SQMD
- 37.6 Provide Information Required By CAISO Tariff
 - 37.6.1 Required Information Generally
 - 37.6.2 Investigation Information
 - 37.6.3 Audit Materials
 - 37.6.4 Review By FERC
- 37.7 [Not Used]
- 37.8 Process For Investigation And Enforcement
 - 37.8.1 Purpose; Scope
 - 37.8.2 Referrals To FERC
 - 37.8.3 Investigation
 - 37.8.4 Notice
 - 37.8.5 Opportunity To Present Evidence
 - 37.8.6 Results Of Investigation
 - 37.8.7 Statement Of Findings And Conclusions
 - 37.8.8 Officer Representative
 - 37.8.9 Record Of Investigation
 - 37.8.10 Review Of Determination
- 37.9 Administration Of Sanctions
 - 37.9.1 Assessment; Waivers And Adjustments
 - 37.9.2 [Not Used]
 - 37.9.3 Settlement
 - 37.9.4 Disposition Of Proceeds
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 - 37.10.1 Time Limitation
 - 37.10.2 No Limitation On Other Rights
- 37.11 Method For Calculating Penalties
 - 37.11.1 Inaccurate or Late Actual SQMD Penalty
 - 37.11.2 Inaccurate Actual SQMD Penalty Without Recal. Settl Stmt.

38. Market Monitoring

39. Market Power Mitigation Procedures

- 39.1 Intent Of CAISO Mitigation Measures; Additional FERC Filings
- 39.2 Conditions For The Imposition Of Mitigation Measures
 - 39.2.1 Conduct Inconsistent With Competitive Conduct
- 39.3 Categories Of Conduct That May Warrant Mitigation
 - 39.3.1 Conduct Regarding Bidding, Scheduling Or Facility Operation
 - 39.3.2 Market Effects Of Rules, Standards, Procedures, Other Items
 - 39.3.3 Using Different Prices In Other Markets Not Uncompetitive
 - 39.3.4 Foregoing Category List Subject To Amendment As Appropriate
- 39.4 Sanctions For Physical Withholding
- 39.5 FERC-Ordered Measures
- 39.6 Rules Limiting Certain Energy, AS, And RUC Bids

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- 39.6.1 Maximum Bid Prices
- 39.7 Local Market Power Mitigation For Energy Bids
 - 39.7.1 Calculation Of Default Energy Bids
 - 39.7.2 Competitive Path Designation
 - 39.7.3 Default Competitive Path Designations
- 39.8 Eligibility For Bid Adder
 - 39.8.1 Bid Adder Eligibility Criteria
 - 39.8.2 New Generating Units
 - 39.8.3 Bid Adder Values
- 39.9 CRR Monitoring And Affiliate Disclosure Requirements
- 39.10 Mitigation Of Exceptional Dispatches Of Resources
 - 39.10.1 Measures For Resources Eligible For Supplemental Revenues
 - 39.10.2 Resources Not Eligible For Supplemental Revenues
 - 39.10.3 Eligibility For Supplemental Revenues
 - 39.10.4 Limitation On Supplemental Revenues
 - 39.10.5 Calculation Of Exceptional Dispatch Supplemental Revenues
- 39.11 Market Power Mitigation Applicable to Virtual Bidding
 - 39.11.1 Affiliate Disclosure Requirements
 - 39.11.2 Monitoring of Virtual Bidding Activity

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- 40.2 Information Requirements For Resource Adequacy Programs
 - 40.2.1 Reserve Sharing LSEs
 - 40.2.2 Non-CPUC LSEs Electing Reserve Sharing LSE Status
 - 40.2.3 [No Used]
 - 40.2.4 Load Following MSS
- 40.3 Local Capacity Area Resource Requirements For SCs For LSEs
 - 40.3.1 Local Capacity Technical Study
 - 40.3.2 Allocation Of Local Capacity Area Resource Obligations
 - 40.3.3 Procurement Of Local Capacity Area Resources By LSEs
 - 40.3.4 [Not Used]
- 40.4 General Requirements On Resource Adequacy Resources
 - 40.4.1 Eligible Resources And Determination Of Qualifying Capacity
 - 40.4.2 Net Qualifying Capacity Report
 - 40.4.3 General Qualifications For Supplying Net Qualifying Capacity
 - 40.4.4 Reductions For Testing
 - 40.4.5 Reductions For Performance Criteria
 - 40.4.6 Reductions For Deliverability
 - 40.4.7 Submission Of Supply Plans
- 40.5 [Not Used]
 - 40.5.1 [Not Used]
 - 40.5.2 [Not Used]
 - 40.5.3 [Not Used]
 - 40.5.4 [Not Used]
 - 40.5.5 [Not Used]
- 40.6 Requirements For SCs And Resources For Reserve Sharing LSEs
 - 40.6.1 Day-Ahead Availability
 - 40.6.2 Real-Time Availability
 - 40.6.3 Additional Availability Requirements For Resources that Are Not Long Start Units or Extremely Long Start Resources
 - 40.6.4 Use-Limited Resources Additional Availability Requirements
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 - 40.6.6 Requirements For Partial Resource Adequacy Resources
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- 40.6.8 Use Of Generated Bids
- 40.6.9 Grandfathered Firm Liquidated Damages Contracts Requirements
- 40.6.10 Exports Of Energy From Resource Adequacy Capacity
- 40.6.11 Curtailment Of Exports In Emergency Situations
- 40.6.12 Participating Loads, PDRs, and RDRRs
- 40.7 Compliance
 - 40.7.1 Other Compliance Issues
 - 40.7.2 Penalties For Non-Compliance
- 40.8 CAISO Default Qualifying Capacity Criteria
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- 40.9. Resource Adequacy Availability
 - 40.9.1 Transition to RAIM
 - 40.9.2 Exemptions
 - 40.9.3 Availability Assessment
 - 40.9.4 Availability Assessment
 - 40.9.5 Availability Standard
 - 40.9.6 Non-Availability Charges And Availability Incentive Payments
 - 40.9.7 Reporting
- 40.10 Flexible RA Capacity
 - 40.10.1 Flexible Capacity Needs Assessment
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 - 40.10.3 Flexible Capacity Categories
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- 41.1 Procurement Of Reliability Must-Run Generation By The CAISO
- 41.2 Designation Of Generating Unit As Reliability Must-Run Unit
- 41.3 Reliability Studies And Determination Of RMR Unit Status
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- 41.5 RMR Dispatch
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 - 41.5.2 RMR Payments
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- 41.6 Reliability Must-Run Charge
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 - 41.6.4 Disputes After Operational Compliance Review
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 - 42.1.2 Applicable Reliability Criteria Met In Peak Demand
 - 42.1.3 Applicable Reliability Criteria Not Met In Peak Demand
 - 42.1.4 Lowest Cost Bids Satisfying Applicable Reliability Criteria
 - 42.1.5 CAISO To Take Necessary Steps To Ensure Criteria Compliance
 - 42.1.6 Long Term Forecast For Information Purposes
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- 42.1.8 Allocation Of Costs Incurred By CAISO In Trading Hour To SCs
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 - 42.2.1 Procurement of Transferred Frequency Response
 - 42.2.2 Allocation of Transferred Frequency Response Costs Incurred by CAISO

43. Capacity Procurement Mechanism

- 43.1 Applicability
- 43.2 Capacity Procurement Mechanism Designation
 - 43.2.1 SC Failure To Show Sufficient Local Capacity Area Resources
 - 43.2.2 Collective Deficiency In Local Capacity Area Resources
 - 43.2.3 SC Failure To Show Sufficient Resource Adequacy Resources
 - 43.2.4 CPM Significant Events
 - 43.2.5 Exceptional Dispatch CPM
 - 43.2.6 Capacity At Risk Of Retirement Needed For Reliability
 - 43.2.7 Cumulative Deficiency in Flexible RA Capacity
- 43.3 Terms of CPM Designation
 - 43.3.1 SC Annual Plan Failure To Show Local Capacity Area Resources
 - 43.3.2 SC Month Plan Failure To Show Local Capacity Area Resources
 - 43.3.3 Annual Plan Collective LCA Resources Insufficient
 - 43.3.4 SC Failure To Show Sufficient Resource Adequacy Resources
 - 43.3.5 Term – CPM Significant Event
 - 43.3.6 Term – Exceptional Dispatch CPM
 - 43.3.7 Term - Capacity At Risk Of Retirement Needed For Reliability
 - 43.3.8 Term – Flexible Capacity CPM Designation
- 43.4 Selection of Eligible Capacity Under The CPM
 - 43.4.1 Limitation of Eligibility for Flexible Capacity CPM Designation
 - 43.4.2 Designation Amount
 - 43.4.3 Simultaneous Designations
- 43.5 Obligations of a Resource Designated Under The CPM
 - 43.5.1 Availability Obligations
 - 43.5.2 Obligation To Provide Capacity And Termination
 - 43.5.3 Availability Obligations for Simultaneous Designations
- 43.6 Reports
 - 43.6.1 CPM Designation Market Notice
 - 43.6.2 Designation Of A Resource Under The CPM
 - 43.6.3 Non-Market And Repeated Market Commitment Of Non-RA Capacity
 - 43.6.4 [Not Used]
- 43.7 Payments To Resources Designated Under The CPM
 - 43.7.1 Monthly CPM Capacity Payment
 - 43.7.2 Resource-Specific CPM Capacity Payment
 - 43.7.3 Market Payments
- 43.8 Allocation Of CPM Capacity Payment Costs
 - 43.8.1 LSE Shortage Of Local Capacity Area Resources In Annual Plan
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 - 43.8.3 Collective Deficiency In Local Capacity Area Resources
 - 43.8.4 LSE Shortage Of Demand Or Reserve Margin Requirement In Plan
 - 43.8.5 Allocation Of CPM Significant Event Costs
 - 43.8.6 Allocation Of Exceptional Dispatch CPMs
 - 43.8.7 Allocation of CPM Costs For Resources At Risk of Retirement
 - 43.8.8 Allocation of CPM Flexible Capacity Costs
- 43.9 Crediting Of CPM Capacity
- 43.10 [Not Used]

43A. Capacity Procurement Mechanism

- 43A.1 Applicability

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- 43A.2 Capacity Procurement Mechanism Designation
 - 43A.2.1 SC Failure To Show Sufficient Local Capacity Area Resources
 - 43A.2.2 Collective Deficiency In Local Capacity Area Resources
 - 43A.2.3 SC Failure To Show Sufficient Resource Adequacy Resources
 - 43A.2.4 CPM Significant Events
 - 43A.2.5 Exceptional Dispatch CPM
 - 43A.2.6 Capacity At Risk Of Retirement Needed For Reliability
 - 43A.2.7 Cumulative Deficiency in Flexible RA Capacity
- 43A.3 Terms of CPM Designation
 - 43A.3.1 SC Annual Plan Failure To Show Local Capacity Area Resources
 - 43A.3.2 SC Month Plan Failure To Show Local Capacity Area Resources
 - 43A.3.3 Annual Plan Collective LCA Resources Insufficient
 - 43A.3.4 SC Failure To Show Sufficient Resource Adequacy Resources
 - 43A.3.5 Term – CPM Significant Event
 - 43A.3.6 Term – Exceptional Dispatch CPM
 - 43A.3.7 Term - Capacity At Risk Of Retirement Needed For Reliability
 - 43A.3.8 Term – Flexible Capacity CPM Designation
- 43A.4 Selection of Eligible Capacity Under The CPM through Competitive Solicitation Processes (CSP) and General Eligibility Rules
 - 43A.4.1 Offer Rules to the CSPs
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 - 43A.4.3 Designation Amount
- 43A.5 Obligations of a Resource Designated Under The CPM
 - 43A.5.1 Availability Obligations
 - 43A.5.2 Obligation To Provide Capacity And Termination
 - 43A.5.3 Availability Obligations for Simultaneous Designations
 - 43A.5.4 Individualized Non-Availability Charges And Availability Incentive Payments
- 43A.6 Reports
 - 43A.6.1 CPM Designation Market Notice
 - 43A.6.2 Designation Of A Resource Under The CPM
 - 43A.6.3 Non-Market And Repeated Market Commitment Of Non-RA Capacity
 - 43A.6.4 Publication of Offers Submitted to the Competitive Solicitation Process
- 43A.7 Payments To Capacity Designated Under The CPM
 - 43A.7.1 Calculation of Monthly CPM Capacity Payment
 - 43A.7.2 Payments For Overlapping CPM Designations to the Same Resource
 - 43A.7.3 Market Payments
- 43A.8 Allocation Of CPM Capacity Payment Costs
 - 43A.8.1 LSE Shortage Of Local Capacity Area Resources In Annual Plan
 - 43A.8.2 LSE Shortage Of Local Capacity Area Resources In Month Plan
 - 43A.8.3 Collective Deficiency In Local Capacity Area Resources
 - 43A.8.4 LSE Shortage Of Demand Or Reserve Margin Requirement In Plan
 - 43A.8.5 Allocation Of CPM Significant Event Costs
 - 43A.8.6 Allocation Of Exceptional Dispatch CPMs
 - 43A.8.7 Allocation of CPM Costs For Resources At Risk of Retirement
 - 43A.8.8 Allocation of Flexible Capacity CPM Costs
- 43A.9 Crediting Of CPM Capacity
- 43A.10 [Not Used]

44. Flexible Ramping Product

- 44.1 In General
- 44.2 Uncertainty Awards
 - 42.2.1 Optimization
 - 42.2.2 Variable Energy Resources
 - 42.2.3 Eligibility of Uncertainty Award

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- 44.2.4 Determination of Uncertainty Requirement
- 44.3 Forecast Movement
 - 44.3.1 Generally
 - 44.3.2 RTD Forecasted Movement
 - 44.3.3 FMM Forecasted Movement

Appendix A Definitions

Appendix B Pro Forma Agreements

- Appendix B.1 Scheduling Coordinator Agreement
- Appendix B.2 Participating Generator Agreement
- Appendix B.3 Net Scheduled Participating Generator Agreement
- Appendix B.4 Participating Load Agreement
- Appendix B.5 Dynamic Scheduling Agreement For SCs
- Appendix B.6 MSA For Metered Entities (MSA CAISOME)
- Appendix B.7 Meter Service Agreement For SCs (MSA SC)
- Appendix B.8 Utility Distribution Company OA (UDCOA)
- Appendix B.9 DSHBA Operating Agreement (DSHBAOA)
- Appendix B.10 Small Utility Distribution Co. OA (SUDCOA)
- Appendix B.11 Pro Forma CRR Entity Agreement
- Appendix B.12 MSS Aggregator CRR Entity Agent Agreement
- Appendix B.13 Resource-Specific System Resource Agreement
- Appendix B.14 Demand Response Provider Agreement
- Appendix B.15 Convergence Bidding Entity Agreement
- Appendix B.16 Pseudo-Tie Participating Generator Agreement
- Appendix B.17 EIM Entity Agreement (EIMIA)
- Appendix B.18 EIM Entity Scheduling Coordinator Agreement (EIMESCA)
- Appendix B.19 EIM Participating Resource Agreement (EIMPRA)
- Appendix B.20 EIM Participating Resource Scheduling Coordinator Agreement (EIMPRSCA)

Appendix C Locational Marginal Price

Appendix D Black Start Generating Units

Appendix E Submitted Ancillary Services Data Verification

Appendix F Rate Schedules

Appendix G Pro Forma Reliability Must-Run Contract

Appendix H Grandfathered Metering & Settlement Provisions

Appendix I Station Power Protocol

Appendix J Grandfathered Metering and Settlement Provisions for Trading Days Prior to October 1, 2011, and Grandfathered Standard Capacity Product Provisions

Appendix K Ancillary Service Requirements Protocol (ASRP)

Appendix L Method To Assess Available Transfer Capability

Appendix M Dynamic Scheduling Protocol (DSP)

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Appendix N	Pseudo-Tie Protocol
Appendix O	CAISO Market Surveillance Committee
Appendix P	CAISO Department Of Market Monitoring
Appendix Q	Eligible Intermittent Resources Protocol (EIRP)
Appendix R	UDP Aggregation Protocol
Appendix S	Small Generator Interconnection Procedures
Appendix T	Small Generator Interconnection Agreement
Appendix U	Large Generator Interconnection Procedures
Appendix V	Large Generator Interconnection Agreement
Appendix W	Amendment 39 Interconnection Procedures
Appendix X	Approved Project Sponsor Agreement
Appendix Y	Generator Interconnection Procedures (GIP) For Interconnection Requests
Appendix Z	LGIA For Interconnection Requests Process Under the GIP
Appendix AA	[Not Used]
Appendix BB	Standard Large Generator Interconnection Agreement for Interconnection Requests in a Serial Study Group
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Appendix DD	Generator Interconnection and Deliverability Allocation Procedures (GIDAP)
Appendix EE	Large Generator Interconnection Agreement for Interconnection Requests Processed under the Generator Interconnection and Deliverability Allocation Procedures
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