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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
 - 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
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- 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 Qualifications

- 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

24.6.3 Development and Submittal of Mitigation Plans

24.6.4 Inability to Complete the Transmission Solutions

24.7 Documentation of Compliance with NERC Reliability Standards

24.8 Additional Planning Information

24.8.1 Information Provided by Participating TOs

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24.8.3 Information Requested from Load Serving Entities

24.8.4 Information from Planning Groups, BAAs and Regulators

24.8.5 Obligation to Provide Updated Information

24.9 Participating TO Study Obligation

24.10 Operational Review and Impact Analysis

24.11 [Not Used]

24.12 WECC and Regional Coordination

24.13 Regional and Sub-Regional Planning Process

24.13.1 Scope of Regional or Sub-Regional Planning Participation

24.13.2 Limitation on Regional Activities

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

25. Interconnection Of Generating Units And Facilities

- 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

26. Transmission Rates And Charges

- 26.1 Access Charges
 - 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
 - 27.4.2 Security Constrained Economic Dispatch
 - 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
 - 27.5.3 Integrated Balancing Authority Areas
 - 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
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 - 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
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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
- 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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29. [Not Used]

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

- 30.1 Bids, Including Self-Schedules
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- 30.2 Bid Types
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- 30.4 Election For Start-Up Costs And Minimum Load Costs
 - 30.4.1 Start-Up and Minimum Load Costs
 - 30.4.2 Transition 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
- 30.6 Bidding and Scheduling of PDRs and RDRRs
 - 30.6.1 Bidding and Scheduling of PDRs
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 - 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 Constraints

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
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 - 31.5.2 Metered Subsystem RUC Obligation
 - 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
 - 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 (ITSs)
- 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 Real-Time Dispatch of RDRRs
 - 34.18.1 Testing of RDRRs
- 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
 - 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 IBAAs Or Modifying Existing IBAAs
 - 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
 - 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 Explanation Of Forced Outages
 - 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
- 37.10 Miscellaneous
 - 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. Sett. 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
 - 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

40. Resource Adequacy Demonstration For All SCs In The CAISO BAA

- 40.1 Applicability
 - 40.1.1 Election Of Load Serving Entity Status
- 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 Modified Reserve Sharing LSEs
 - 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 Requirements Applying To Modified Reserve Sharing LSEs Only

40.5.1 Day Ahead Scheduling And Bidding Requirements

40.5.2 Demand Forecast Accuracy

40.5.3 Requirement To Make Resources Available In System Emergency

40.5.4 Consequence Of Failure To Meet Scheduling Obligation

40.5.5 Substitution Of Resources

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 Short Start Units

40.6.4 Use-Limited Resources Additional Availability Requirements

40.6.5 Additional Availability Requirements For System Resources

40.6.6 Requirements For Partial Resource Adequacy Resources

40.6.7 Release Of Long Start Units

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

40.8.1 Applicability

40.9. Availability Standards And Payment; Non-Availability Charges

40.9.1 General

40.9.2 Exemptions

40.9.3 Availability Assessment Hours

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40.9.5 Outage Reporting

40.9.6 Non-Availability Charges And Availability Incentive Payments

40.9.7 Assessment For NRS-RA Resources

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41. Procurement Of RMR Generation

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

41.4 Reliability Must-Run Contracts

41.5 RMR Dispatch

41.5.1 Day-Ahead And RTM RMR Dispatch

41.5.2 RMR Payments

41.5.3 RMR Units And Ancillary Services Requirements

41.6 Reliability Must-Run Charge

41.6.1 No Offsets To Responsible Utility's CAISO Invoice Payments

41.6.2 Refunds Of Disputed Amounts On RMR Invoices

41.6.3 Time-Frame For Responsible Utility To Dispute RMR Invoices

41.6.4 Disputes After Operational Compliance Review

41.6.5 Invoice Disputes Subject To RMR Contract Resolution Process

41.6.6 RMR Owner's Rights As A Third Party Beneficiary

41.7 Responsibility For Reliability Must-Run Charge

41.8 Responsibility For RMR Charges Associated With SONGS

41.9 Exceptional Dispatch Of Condition 2 RMR Units

41.9.1 Notification Required Before Condition 2 RMR Unit Dispatch

42. Adequacy Of Facilities To Meet Operating & Planning Reserve

42.1 Generation Planning Reserve Criteria

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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

42.1.7 Reliance On Market Forces To Maximum Possible Extent

42.1.8 Allocation Of Costs Incurred By CAISO In Trading Hour To SCs

42.1.9 Costs For Difference In Schedules And Real-Time Deviations

43. Capacity Procurement Mechanism

43.1 Interim Capacity Procurement Mechanism

43.1.1 Capacity Procurement Mechanism Expiration

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

43.3 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 Resouces 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

43.4 Selection of Eligible Capacity Under The CPM

43.5 Obligations of a Resource Designated Under The CPM

43.5.1 Availability Obligations

43.5.2 Obligation To Provide Capacity And Termination

43.6 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

43.8.2 LSE Shortage Of Local Capacity Area Resources In Month Plan

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

43.9 Crediting Of CPM Capacity

43.10 [Not Used]

44. [Not Used]

44.1 [Not Used] 44.2 [Not Used] 44.3 [Not Used]

Appendix A Definitions

Appendix

В	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
	Appendix B.18 EIM Entity Scheduling Coordinator Agreement
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- 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
- Appendix K Ancillary Service Requirements Protocol (ASRP)
- Appendix L Method To Assess Available Transfer Capability
- Appendix M Dynamic Scheduling Protocol (DSP)
- 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 [Not Used]
- Appendix Y 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
- Appendix CC Large Generator Interconnection Agreement for Interconnection Requests in a Queue Cluster Window
- 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
- Appendix FF Small Generator Interconnection Agreement for Interconnection Requests Processed Under the Generator Interconnection and Deliverability Allocation Procedures
- Appendix GG One-Time Interconnecting Generator Downsizing Opportunity
- Appendix HH Generation Interconnection Agreement Amendment Re: Generator Downsizing
- Appendix II Market-Based Rate Authority Suspension