

**California Independent System Operator Corporation**

**Fifth Replacement FERC Electric Tariff**

**(Open Access Transmission Tariff)**

**Effective as of March 1, 2019**

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    - 12.8.4 Adjustment of EAL After the Close of the RTM
- 13. Dispute Resolution**
  - 13.1 Applicability
    - 13.1.1 General Applicability
    - 13.1.2 Disputes Involving Government Agencies
    - 13.1.3 Injunctive and Declaratory Relief
    - 13.1.4 Disputes Arising Under Section 11
  - 13.2 Negotiation and Mediation
    - 13.2.1 Negotiation
    - 13.2.2 Statement of Claim
    - 13.2.3 Selection of Mediator
    - 13.2.4 Mediation
    - 13.2.5 Demand for Arbitration
  - 13.3 Arbitration
    - 13.3.1 Selection of Arbitrator
    - 13.3.2 Disclosures Required of Arbitrators
    - 13.3.3 Arbitration Procedures
    - 13.3.4 Modification of Arbitration Procedures
    - 13.3.5 Remedies
    - 13.3.6 Summary Disposition
    - 13.3.7 Discovery Procedures
    - 13.3.8 Evidentiary Hearing
    - 13.3.9 Confidentiality

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- 13.3.10 Timetable
- 13.3.11 Decision
- 13.3.12 Compliance
- 13.3.13 Enforcement
- 13.3.14 Costs
- 13.4 Appeal of Award
  - 13.4.1 Basis for Appeal
  - 13.4.2 Appellate Record
  - 13.4.3 Procedures for Appeals
  - 13.4.4 Award Implementation
  - 13.4.5 Judicial Review of FERC Orders
- 13.5 Allocation of Awards Payable by or to the CAISO
  - 13.5.1 Allocation of an Award
  - 13.5.2 Timing of Adjustments
  - 13.5.3 Method of Allocation
- 14. Uncontrollable Force, Indemnity, Liabilities, and Penalties**
  - 14.1 Uncontrollable Forces
  - 14.2 Responsibilities of Affected Entity
  - 14.3 Strikes, Lockouts or Labor Disputes
  - 14.4 Market Participant's Indemnity
  - 14.5 Limitation on Liability
    - 14.5.1 Limitation on Damages
    - 14.5.2 Exclusion of Certain Types of Loss
  - 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 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 PTO's Rights Under Existing Contracts
  - 16.2 [Not Used]
  - 16.3 Curtailment Under Emergency and Non-Emergency Conditions
    - 16.3.1 Emergency Conditions
    - 16.3.2 Non-Emergency Conditions
  - 16.4 TRTC Instructions
    - 16.4.1 Responsibility to Create TRTC Instructions
    - 16.4.2 Responsible PTO Re Multiple PTO Parties to Existing Contracts
    - 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

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- 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-Schedules Changes
- 17. Transmission Ownership Rights (TORs)**
  - 17.1 TRTC Instructions
    - 17.1.1 Responsibility to Create TRTC Instructions
    - 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 Expectations
  - 17.3 Valid TOR Self-Schedule
    - 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 Operations Obligations
- 18. [Not Used]**
- 19. Reliability Coordinator**
  - 19.1 General Provisions
  - 19.2 Access to RC Services
  - 19.3 Supplemental Services – Hosted Advanced Network Applications (HANA)
  - 19.4 Supplemental Services – Physical Security Review
  - 19.5 Roles and Responsibilities
  - 19.6 [Reserved for tariff language pending July 1, 2019, effective date]
  - 19.7 [Reserved for tariff language pending July 1, 2019, effective date]
  - 19.8 Supplemental Services – HANA Services Charge
  - 19.9 Supplemental Services – Physical Security Review Charge
  - 19.10 Dispute Resolution Procedures
  - 19.11 Reliability Coordinator Oversight
  - 19.12 Uncontrollable Forces
  - 19.13 Liability
  - 19.14 Penalties

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- 19.15 Confidentiality
- 19.16 Miscellaneous Provisions in Addition to Section 22
  
- 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
  - 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

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- 24.3.2 Content 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 [Not Used]
  - 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 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 Limitation on Regional Activities
  - 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

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- 24.16 Expansion by Local Furnishing Participating TOs
- 24.17 Evaluation of Interregional Transmission Projects
  - 24.17.1 Submission of Interregional Transmission Projects
  - 24.17.2 Interregional Transmission Project Assessment
  - 24.17.3 Selection in the Comprehensive Transmission Plan
  - 24.17.4 Interregional Transmission Project Cost Recovery
  - 24.17.5 Monitoring the Status of Interregional Transmission Projects
  - 24.17.6 Delay in Interregional Transmission Project In-Service Date
- 24.18 Order 1000 Common Interregional Tariff
  - 24.18.1 Annual Interregional Information Exchange
  - 24.18.2 Annual Interregional Coordination Meeting
  - 24.18.3 Interregional Transmission Project Joint Evaluation Process
  - 24.18.4 Interregional Cost Allocation Process
  - 24.18.5 Application of Regional Cost Allocation Methodology
- 25. Interconnection of Generating Units and Facilities**
  - 25.1 Applicability
    - 25.1.1 Interconnection Request and Generating Unit Requirements
    - 25.1.2 Affidavit Requirements
  - 25.2 Interconnection to the Distribution System
  - 25.3 Maintenance of Encumbrances
  - 25.4 Asynchronous Generating Facilities
    - 25.4.1 Asynchronous Generating Facilities-Reactive Power
  - 25.5 Modifications to Generating Facilities
    - 25.5.1 *No Header*
    - 25.5.2 *No Header*
    - 25.5.3 *No Header*
- 26. Transmission Rates and Charges**
  - 26.1 Access Charge
    - 26.1.1 Publicly Owned Electric Utilities Access Charge
    - 26.1.2 Regional Access Charge Settlement
    - 26.1.3 Distribution 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 Market 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



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- 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 IFM
- 27.5.5 Load Distribution Factor
- 27.5.6 Management & Enforcement of Constraints in the CAISO Markets
- 27.6 State Estimator
- 27.7 Constrained Output Generation
  - 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 Information Requirements
  - 27.8.3 Changes in Status and Configurations of Resource
- 27.9 Non-Generator Resources MWh Constraints
- 27.10 Election to Use Non-Generator Resource Generic Modeling Functionality
- 27.11 Natural Gas Constraint
- 27.12 Operator Imbalance Conformance
  - 27.12.1 Operator Conformance in the Real-Time Market
  - 27.12.2 Conformance Limiter in the Real-Time Market
- 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
    - 28.3.2 Validation
    - 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

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- 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 Flexible Ramping Product

**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
  - 30.5.7 E-Tag Rules and Treatment of Intertie Schedules
- 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
  - 30.6.3 Net Benefits Test for PDRs or PDRRs
- 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

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- 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 and Allocation Costs Recovered Per 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
    - 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 Constraints
    - 31.8.2 Physical Flow Constraints
- 32. [Not Used]**
- 33. [Not Used]**
  - 33.1 [Not Used]
  - 33.2 [Not Used]
  - 33.3 [Not Used]
  - 33.4 [Not Used]
  - 33.5 [Not Used]
  - 33.6 [Not Used]
  - 33.7 [Not Used]

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- 33.8 [Not Used]
- 33.8.1 [Not Used]
- 33.9 [Not Used]

**34. Real-Time Market**

- 34.1 Inputs to the Real-Time Market
  - 34.1.1 Day-Ahead Market Results as Inputs to the Real-Time Market
  - 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
- 34.2 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
  - 34.3.3 [Not Used]
- 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, PDRs, and RDRRs
- 34.9 Utilization of the Energy Bids
  - 34.9.1 [Not Used]
  - 34.9.2 [Not Used]
  - 34.9.3 [Not Used]
  - 34.9.4 [Not Used]
- 34.10 Dispatch of Energy from Ancillary Services
  - 34.10.1 [Not Used]
  - 34.10.2 [Not Used]
- 34.11 Exceptional Dispatch
  - 34.11.1 System Reliability Exceptional Dispatches
  - 34.11.2 Other Exceptional Dispatches
  - 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
  - 34.14.1 [Not Used]
- 34.15 Treatment of Resource Adequacy Capacity in the RTM
  - 34.15.1 [Not Used]
  - 34.15.2 [Not Used]
  - 34.15.3 [Not Used]
  - 34.15.4 [Not Used]

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- 34.15.5 [Not Used]
  - 34.15.6 [Not Used]
  - 34.16 Real-Time Activities in the Hour Prior to Settlement Period
    - 34.16.1 Confirm Interchange Transaction Schedules (ITs)
    - 34.16.2 [Not Used]
    - 34.16.3 [Not Used]
  - 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
  - 34.19 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 the RTM
    - 34.21.1 Criteria for Temporary Waiver
    - 34.21.2 Information to be Published on Secure Communication System
  - 34.22 Real-Time Dispatch of RDRRs
    - 34.22.1 Testing of RDRRs
- 35. Market Validation and Price Correction**
- 35.1 Market Validation
  - 35.2 Timing of 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 Limitations on 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

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- 36.4.1 Adjustments to the FNM in Preparing the CRR FNM
- 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
  - 36.8.4 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 Charge
  - 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 Merchant Transmission 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
  - 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 IBAAAs or Modifying Existing IBAAAs
  - 36.14.1 Coordination of IBAA Changes with Release of CRRs
  - 36.14.2 Modification 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 Instructions
    - 37.2.1 Compliance with Orders Generally
    - 37.2.2 [Not Used]
    - 37.2.3 Operations and 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 Available 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
- 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 or Actual SQMD Penalty without Recalculation Settlement Statement

**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 as Appropriate
  - 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
  - 3.10.2 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 [Not Used]
  - 40.2 Information Requirements for Resource Adequacy Programs
    - 40.2.1 Load Serving Entities
    - 40.2.2 Non-CPUC Load Serving Entities
    - 40.2.3 [Not 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
    - 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 LSEs
    - 40.6.1 Day-Ahead Availability
    - 40.6.2 Real-Time Availability
    - 40.6.3 Additional Availability Requirements or Resources that are Not Long Start Units or Extremely Long Start Resources
    - 40.6.4 Use-Limited Resources Additional Availability Requirements
    - 40.6.5 Additional Availability Requirements for System Resources
    - 40.6.6 Requirement for Partial Resource Adequacy Resources
    - 40.6.7 Release of Long Start Units



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- 40.6.8 Use of Generated Bids
- 40.6.9 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 Load, 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 Resource Adequacy Availability Incentive Mechanism
  - 40.9.1 Introduction to RAAIM
  - 40.9.2 Exemptions
  - 40.9.3 Availability Assessment
  - 40.9.4 Additional Rules on Calculating Monthly and Daily Average Availability
  - 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
  - 40.10.2 Allocation of Flexible Capacity Needs
  - 40.10.3 Flexible Capacity Categories
  - 40.10.4 Effective Flexible Capacity
  - 40.10.5 Flexible RA Capacity Plans
  - 40.10.6 Flexible RA Capacity Must-Offer Obligation
- 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 Units 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 Applicable Reliability Criteria**
  - 42.1 Generation Planning Reserve Criteria
    - 42.1.1 *No Header*
    - 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 Maximize Possible Extent

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- 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
- 42.2 Transferred Frequency Response
  - 42.2.1 Procurement of Transferred Frequency Response
  - 42.2.2 Allocation of Transferred Frequency Response Costs Incurred

**43. Capacity Procurement Mechanism**

- 43.1 Applicability
- 43.2 Capacity Procurement Mechanism Designation
  - 43.2.1 SC Failure to Show Sufficient Local Capacity Area Resource
  - 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 on 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 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 CPM
  - 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]

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**43A. Capacity Procurement Mechanism**

- 43A.1 Applicability
- 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
  - 43A.4.2 Administering the CSPs
  - 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
  - 44.2.1 Optimization.
  - 44.2.2 Variable Energy Resources.

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- 44.2.3 Eligibility for Uncertainty Award.
- 44.2.4 Determination of Uncertainty Requirement.
- 44.3 Forecasted Movement
  - 44.3.1 Generally.
  - 44.3.2 RTD Forecasted Movement.
  - 44.3.3 FMM Forecasted Movement.

**Appendix A** Master Definition Supplement

**Appendix B** Pro Forma Agreements

- Appendix B.1 Scheduling Coordinator Agreement
- Appendix B.2 Participating Generator Agreement
- Appendix B.3 Net Schedule Participating Generator Agreement
- Appendix B.4 Participating Load Agreement
- Appendix B.5 Dynamic Scheduling Agreement for Scheduling Coordinators
- Appendix B.6 MSA for Metered Entities (MSA CAISOME)
- Appendix B.7 Meter Service Agreement for Scheduling Coordinators
- Appendix B.8 Utility Distribution Company Operating Agreement (UDCOA)
- Appendix B.9 Dynamic Scheduling Host Balancing Authority Operating Agreement (DSHBAOA)
- Appendix B.10 Small Utility Distribution Company Operating Agreement (SUDCOA)
- Appendix B.11 Congestion Revenue Rights (CRR) Entity Agreement
- Appendix B.12 Metered Subsystem (MSS) Entity Agent Agreement
- Appendix B.13 Resource-Specific System Resource Agreement
- Appendix B.14 Demand Response Provider Agreement (DRPA)
- Appendix B.15 Convergence Bidding Entity Agreement (CEBA)
- Appendix B.16 Pseudo-Tie Participating Generator Agreement (PPGA)
- Appendix B.17 Energy Imbalance Market Entity Agreement (EIMIA)
- Appendix B.18 Energy Imbalance Market Scheduling Coordinator Agreement (EIMSCA)
- Appendix B.19 Energy Imbalance Market Participating Resource Agreement (EIMPRA)
- Appendix B. 20 Energy Imbalance Market Participating Resource Scheduling Coordinator Agreement (EIMPRSCA)
- Appendix B.21 Distributed Energy Resource Provider Agreement (DERPA)
- Appendix B.22 Reliability Coordinator Services Agreement (RCSA)

**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** Congestion Revenue Rights Transition Period

**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

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<b>Appendix M</b>	Dynamic Scheduling Protocol (DSP)
<b>Appendix N</b>	Pseudo-Tie Protocol
<b>Appendix O</b>	CAISO Market Surveillance Committee
<b>Appendix P</b>	CAISO Department of Market Monitoring
<b>Appendix Q</b>	Eligible Intermittent Resource Protocol (EIRP)
<b>Appendix R</b>	Uninstructed Deviation Penalty (UDP) Aggregation Protocol
<b>Appendix S</b>	Small Generator Interconnection Procedures (SGIP)
<b>Appendix T</b>	Small Generator Interconnection Agreement (SGIA) <i>pro forma</i>
<b>Appendix U</b>	Large Generator Interconnection Procedures (LGIP)
<b>Appendix V</b>	Large Generator Interconnection Agreement (LGIA) <i>pro forma</i>
<b>Appendix W</b>	Amendment No. 39 Interconnection Procedures
<b>Appendix X</b>	Approved Project Sponsor Agreement (APSA) <i>pro forma</i>
<b>Appendix Y</b>	Generator Interconnection Procedures (GIP) for Interconnection Requests
<b>Appendix Z</b>	Large Generator Interconnection Agreement for Interconnection Requests Process Under the Generator Interconnection Procedures
<b>Appendix AA</b>	Grandfathered Resource Adequacy Provisions for February 2018 to March 2018
<b>Appendix BB</b>	Standard Large Generator Interconnection Agreement (LGIA) for Interconnection Requests in a Serial Study Group <i>pro forma</i>
<b>Appendix CC</b>	Large Generator Interconnection Agreement (LGIA) for Interconnection Requests in a Queue Cluster Window <i>pro forma</i>
<b>Appendix DD</b>	Generator Interconnection and Deliverability Allocation Procedures (GIDAP)
<b>Appendix EE</b>	Large Generator Interconnection Agreement (LGIA) for Interconnection Requests Processed Under the Generator Interconnection and Deliverability Allocation Procedures (GIDAP) <i>pro forma</i>
<b>Appendix FF</b>	Small Generator Interconnection Agreement (SGIA) for Interconnection Requests Processed Under the Generator Interconnection and Deliverability Allocation Procedures (GIDAP) <i>pro forma</i>
<b>Appendix GG</b>	One-Time Interconnecting Generator Downsizing Opportunity
<b>Appendix HH</b>	Generator Interconnection Agreement Amendment Regarding Downsizing
<b>Appendix II</b>	Market-Based Rate Authority Suspension