

## ATTACHMENT E

### Summary of Tariff Changes for Market Redesign Other than FTRs and Capacity Resources

Tariff Section (s)	Status	Reason for Change
2.2.6.4	Not used.	Trades between Scheduling Coordinators are addressed in new section 31.2.3.2.5 and referenced in sections 1.2.3.4.4.2 and 31.2.3.4.2.6
2.2.6.8	Modified language to refer to Demand Forecast Protocol	Duplicative. DFP sets forth the required data
2.2.7.2	Not Used	Balanced schedules are no longer required
2.2.8.1	Not used	Preferred Schedules are reflected in new section 31
2.2.8.2	Not used	Suggested Adjusted Schedules are no longer used in the market process
2.2.8.3	Not used	Revised Schedules are no longer used in the market process
2.2.8.4	Not used	Final Schedules are reflected in new section 31
2.2.10, 2.2.10.1,	Not used	Information Provided by the ISO to the SCs; Scheduled Outages are referred to section 31.1 and Reflected in SP 3.2.1
2.2.10.3, 2.2.10.4	Not Used	Forecasted Loop Flow, Advisory Demand Forecast are addressed in section 31.1 and Reflected in SP 3.2.1
2.2.10.5	Not used	Transmission Loss Factors reflected by GMMs and TMMs are no longer used.
2.2.10.6	Not used	Ancillary Services are referred to section 31.1 and Reflected in SP 3.2.1
2.2.11.1- 2.2.11.1.4	Not used	Information Submitted by SCs, For Load: Designated Location Code, Quantity at Take-out-Point, Flexibility, Adjustment Bids are reflected in new section 31.2.3.2.3.1.3
2.2.11.2 – 2.2.11.2.5	Not used	Information submitted by SCs for Generation: Location of Generation Units; Quantity Scheduled; Notification of Flexibility; Adjustment Bids; Operating Characteristics are reflected in section 31.2.3.2.3
2.2.11.3 –2.2.11.3.6	Not used	Deliveries to/from other SCs: Identification Code; Quantity of Energy; Zone; Adjustments are reflected in section 31.2.3.2.5
2.2.12.2 –2.2.12.2.3	Not used	Reliability Must Run Information, RMR contract energy, RMR Market Energy are reflected in section 31.2.2
2.2.12.2.3.1.1 – 2.2.12.2.4	Not used	RMR Market Energy are reflected in section 31.2.2
2.2.12.3	Not used	Non-PX Demand Information is no longer used
2.2.12.4	Modified language – Replaced ...Adjustment Bids... with ...Energy Bids...	Adjustment Bids no longer apply
2.2.12.5	Modified Language – Replaced ...Adjustment Bids... with ...Energy bids...	Adjustment Bids no longer apply
2.2.12.6	Not used	ISO Analysis of Preferred Schedules is reflected in section 31.2.2.1.4
2.2.12.7	Not used	Issuance of Suggested Adjusted Schedules is not longer used in the market process

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2.2.12.8	Not used	Submission of Revised Schedules no longer applies in the market process
2.2.12.8.1	Not used	Revised Schedules become final Day-Ahead schedules does not apply
2.2.12.8.2	Deleted text, add reference to section 31.2.3.1.4	Revised schedules no longer apply . Section 31.2.3.1.4 describes the Energy Market and Congestion Management
2.2.13.1	Modified language – Replaced ...Adjustment Bids... with ...Energy Bids... Replaced - ...two hours... with ...one hour..., Replaced - ...Settlement Period... with ...Operating Hour...	Adjustment Bids no longer apply, Hour-Ahead market time-line has been modified to one hour before the operating hour
2.2.13.1.1	Not used	Statements in Preferred Schedule are reflected in section 31.2.3
2.2.13.1.2	Not used	Submitting Hour-Ahead schedules after the Hour-Ahead market does not serve a purpose
2.2.13.2	Not used	Repetitive of section 2.2.12.6
2.2.13.2.1	Not used	Preferred Schedules become Final Hour-Ahead Schedules is not used
2.2.13.2.2	Not used	Congestion Management provision for Final Hour-Ahead Schedules are reflected in new section 31.3
2.2.13.3	Struck language - ... balanced schedule...	Balanced schedules are no longer required
2.2.13.3.1.3	Struck language – ...scheduled voltage...	Voltage is not currently and will not be scheduled
2.2.13.3.1.4	Struck language – ..."to resolve congestion"	The SCUC process may need to adjust schedules for other reasons than only congestion
2.2.13.3.2.3	Struck language – ..."to resolve congestion"...	The SCUC process may neet to adjust schedules for other reasons than only congestion
2.2.13.4	Not used	Usage Charge are no longer used , Locational Marginal Pricing is describe in section 31.2.3.1.4.3
2.3.1.1.1	Modified language added – ...Energy... and Ancillary Services	Generating Units supply Energy and Ancillary Services
2.3.1.1.2	Modified language added – ...Energy... and Ancillary Services	Generating Units supply Energy and Ancillary Services
2.3.1.1.3	Modified sub-item (b) to include Capacity Resource and must offer resources – referring to section 31.2.3.2.2; Modified sub-item (e) to Strike ...imbalance...	The ISO Control Grid will direct Capacity resources; and energy from the Day-Ahead, Hour-Ahead and Real-Time Unit Commitment and Economic Dispatch processes
2.3.1.2.1	Modified to clarify requirements regarding compliance with operating orders	Language was added to clarify responsibilities
2.3.2.3.2	Modified language– Struck – ...in the following order... Modified sub-item (a) ... Adjustment Bids, Supplemental, reserves...	Sub-items are not necessarily completed in a certain order; Adjustment bids are no longer used; Supplemental bids are unused Energy bids from the Hour-Ahead Market
2.3.2.3.3	Modified language – Replaced - ...MCP... with ...Locational Marginal Price or Ancillary Services Marginal Price... Struck – ...inter-zonal congestion...	Market Clearing Prices will no longer apply using a Network Model, inter-zonal congestion will no longer apply

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Tariff Section (s)	Status	Reason for Change
2.3.2.8.2	Struck – ...Replacement Reserve...	Replacement Reserve is no longer a Ancillary Service This section has references to Curtailable Demand
2.3.2.9.3	minor clean-up change	Corrected typo
2.3.3.9.5	Modified language – Replaced - ...out-of-sequence, out-of-market... with ...Exceptional Dispatch... Deleted ...Marginal Proxy Clearing Price or Non-Emergency Clearing Price	Out-of-sequence, out-of-market will no longer apply – Replaced with Exceptional Dispatches (dispatches out of normal operation) Marginal Proxy Clearing Price and Emergency Clearing Price is no longer used
2.3.4	Modified Language to refer to section 31.2.3.1.4.2 Delete- the references to ...only...	Overgeneration in the Day-Ahead and Hour-Ahead Energy markets will be managed with Default energy bids set forth in section 31.2.3.1.4.2; Overgeneration will be managed in the forward markets as well as Real-Time
2.3.4.3	Modified language - Replaced – [...estimated BEEP Interval Ex-Post Price... with ...Dispatch Interval, Locaitonal Marginal Price...	BEEP Interval Ex-Post Price will no longer apply using a Network Model
2.3.5.1.3, 2.3.5.1.4	Modified language – Replaced ...Replacement Reserves... with ...reserves...	Modified to remove Replacement Reserves as it will no longer be an Ancillary Service. .
2.3.5.1.9	Modified language – added – ...the same way RUC costs are allocated... and referred to section 5.12.8, Struck - ... deviation replacement reserve sentence... and reference to 2.5.28.4	A/S contracts entered will be allocated in same way as RUC ; Replacement Reserves will no longer be an Ancillary Service; 2.5.28.4 refers to reliability programs.
2.4.4.4.4.1	Modified language – to – ...paid or charged the Locational marginal prices for the Day-Ahead and Hour-Ahead Energy schedules associated with Existing Rights...	Usage Charges will not apply with the use of the Network Model, LMPs will replace Usage Charges
2.5.1	Modified language – Struck references to ...Replacement Reserve...	Replacement Reserves will no longer be an Ancillary Service
2.5.2.2	Modified language – Struck reference to ... 6:00 pm two days ahead... Referred to SP 3.2.1	Time Frame for revising Ancillary Service Standards are reflected in SP 3.2.1
2.5.3	Modified language – Replaced ...and location... with...and Ancillary Service Region...	Ancillary Services requirements may vary regionally due to constraints enforced by SCUC
2.5.3.3	Not Used	Replacement Reserve is no longer a Ancillary Service
2.5.3.4	Modified language to add reference to ...Capacity resources... to provide voltage support	RARP needs to authorize the ISO to instruct the units to provide voltage support
2.5.3.6	Modified language –Struck in sub-item (d) reference to ...Replacement reserve... Struck all of sub-item (f)	Replacement Reserve is no longer a Ancillary Service
2.5.4	Modified language to add clarification to – ...the dispersion of Ancillary Service Regions... Capitalized ...Available Transmission Capacity	Ancillary Services requirements may vary regionally due to constraints enforced by SCUC; Defined term
2.5.4.1 (b)	Deleted ...led... from Control	Clean-up typo

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Tariff Section (s)	Status	Reason for Change
2.5.5	Modified language – Strike – ...replacement reserve... Capitalized ...System Reliability...	Replacement Reserve is no longer a Ancillary Service; Defined term
2.5.6.1	Modified language in sub-item (a) added ...over the operating range of the resource... added reference to the Ancillary Services Protocol	Additional information for better decisions for operations and A/S procurement, Fixed last sentence; Operating characteristics to provide Ancillary Services are set forth in the Ancillary Service Protocol
2.5.7.2	Modified header – Replaced ...Usage Charges... with ...Accounting for Congestion... Modified language to add reference to ...account for congestion in accordance with section 31.2.3.1.4.4	Usage Charges will not apply with the Network Model; Congestion accounting is now reflected in section 31.2.3.1.4.4
2.5.7.4.2	Modified language – Struck ...Replacement Reserve...	Replacement Reserve is no longer a Ancillary Service
2.5.9	Replaced reference to section 2.2.10 with section 31.1	Reflected in new section
2.5.10.1	Modified language -Struck ...Replacement Reserve... Struck reference to 24 hours –	Replacement Reserve is no longer a Ancillary Service ; There are 2 days a year where 24 does not apply
2.5.10.2	Modified language – Struck ...Replacement Reserve... Replaced ...two hours... with ...one hour... for the time of bid submission	Replacement Reserve is no longer a Ancillary Service ; Hour-Ahead market time-line has been modified to one hour before the operating hour
2.5.11	Struck reference to 2.5.14 to 2.5.19	References are in SBP
2.5.12	Modified language in sub-item (c ) to added ...over the SCUC time horizon... and referred to section 31.2.3.1.2.2 , Modified sub-item (d) added ...SCUC time horizon... and referred to section 31.3.2	Day-Ahead and Hour-Ahead bids will be evaluated over the respective SCUC time horizons set forth is sections 31.2.3.1.2.2 and 31.3.2
2.5.13	Modified language - Replaced ...sequentially... with ...simultaneously... Struck reference to ...replacement reserve... Struck ...and different Energy prices... added reference to the ...Scheduling and Bids Protocol... added reference to section	The Ancillary Services will be evaluated as part of the simultaneous process as described in section 31.2.3.1.3; Replacement Reserve is no longer a Ancillary Service ; appropriate bid information is set forth in the SBP
2.5.14	Not Used	Regulation Auction is duplicated of the SBP Protocol
2.5.15	Not Used	Spinning Reserve Auction is duplicated of the SBP Protocol, Need to strike first part of equation
2.5.16	Not used	Non Spinning Reserve Auction is duplicated of the SBP Protocol Need to strike first part of equation
2.5.17	Not used	Replacement Reserve is no longer a Ancillary Service Need to strike first part of equation
2.5.18	Modified language – added [...Capacity resources... to provide voltage support, Replaced – ...BEEP interval Ex-Post Price... with ...Dispatch interval Locational Marginal Price...	Capacity resources will be required to provide voltage support; BEEP interval Ex-Post Price will no longer apply using a Network Model

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Tariff Section (s)	Status	Reason for Change
		Looks like "Locational Marginal Price" is repeated twice
2.5.20.1	Modified language – Struck ...replacement reserve... Replaced ...zone... with ...Ancillary Service Region... Struck reference to section 2.5.28.4	Replacement Reserve is no longer a Ancillary Service ; Ancillary Services requirements may vary regionally due to constraints enforced by SCUC
2.5.20.2	Modified language – Struck ...replacement reserve... Replaced reference to 2.5.14 through 2.5.17 with reference to section 31.2.3.1.3, Replaced ...MCP... with ...Ancillary Services Marginal Price... Replaced reference to 2.5.21 with section 31.3.4 Replaced – ...Curtaillable Demand... with ...Dispatchable Load...	Replacement Reserve is no longer a Ancillary Service ; Ancillary Service procurement is described in section 31.2.3.1.3; Market Clearing Price will no longer apply using a Network Model; section 31.3.4 describes Ancillary Service buy back; Modified Definition – Dipatchable Load is more appropriate and incorporates Curtaillable Demand
2.5.20.4	Modified language to sub-item (d) – Struck ...Replacement Reserve...	Replacement Reserve is no longer a Ancillary Service
2.5.21	Modified language – Replaced ...zone... with ...Ancillary Service Region... Replaced reference to publishing HA results ...one hour... to ...45 minutes... Struck reference to ...biding commitment... Struck ...Replacement Reserve... Struck reference to ...A/S buyback...	Ancillary Services requirements may vary regionally due to constraints enforced by SCUC; The Hour-Ahead time line has been modified to one hour prior to the operating hour; Replacement Reserve is no longer a Ancillary Service ; Ancillary Service Buy Back is described in section 31.3.4
2.5.22.1	Modified Language – added reference to section 31.4.3	Section 31.4.3 describes Interval Dispatch
2.5.22.2	Not used	Section 31.4.3 describes Interval Dispatch
2.5.22.3	Modified language – Struck reference to ...Replacement Reserve...	Replacement Reserve is no longer a Ancillary Service
2.5.22.4	Modified language – Struck ...Supplemental... added ...Hour-Ahead Energy Market...	Explicit Supplemental Bids will no longer apply, Supplemental energy will be the remaining energy after the Hour-Ahead market process
2.5.22.4.1	Not used	Explicit Supplemental Bids will no longer apply, Supplemental energy will be the remaining energy after the Hour-Ahead market process
2.5.22.4.2	Not used	Explicit Supplemental Bids will no longer apply, Supplemental energy will be the remaining energy after the Hour-Ahead market process and reflected in the Scheduling and Bid Protocol and Dispatch Protocol 3.2.1
2.5.22.5	Not used	Information used in Real-Time Dispatch is now described in section 31.4.3.2
2.5.22.6	Not used	Real-Time Dispatch is now described in section 31.4.3.2
2.5.22.7	Not used	Inter-zonal Congestion is no longer used – Congestion Management is now reflected in section 31.4.3.2.3
2.5.22.8	Not used	Inter-zonal Congestion is no longer used – Congestion Management is now reflected in section 31.4.3.2.3
2.5.22.9	Not used	Replacement of Operating Reserve is now reflected in section 31.4.4

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2.5.22.10	Struck language except for last sentence referring to ISO Protocols	Dispatch Instructions are now reflected in the ISO Protocols
2.5.22.11	Modified language – Replaced ...Curtaillable Demand... with ...Dispatchable Loads... Modified sub-item (b)- Replaced ...BEEP Interval Ex-Post Price... with Dispatch Interval Locational Marginal Price...	Modified Definition – Dipatchable Load is more appropriate and incorporates Curtaillable Demand; BEEP Interval Ex-Post Price will no longer apply using a Network Model
2.5.23.1	Modified language – Replaced ...BEEP Software... with ...SCED...	Imbalance Energy is now reflected in the Real-Time market section 31.4
2.5.23.2	Not used – refer to section 31.4.3.2.4	Ex-Post Price is not used in the Network Model– Locational Pricing reflected in 31.4.3.2.4
2.5.23.2.1	Not used	Ex-Post Price is not used in the Network Model – Locational Pricing reflected in 31.4.3.2.4
2.5.23.2.2	Not used	Ex-Post Price is not used in the Network Model – Locational Pricing reflected in 31.4.3.2.4
2.5.23.3	Not used	The temporary limitation of BEEP Interval Ex-Post Price is not used
2.5.23.3.1	Not used – No longer used ???	Real-Time Limitations
2.5.25.4	Not used	Replacement Reserve is no longer a Ancillary Service
2.5.26.1	Modified Language – Replaced ...Curtaillable Demand... with ...Dispatchable Load... Added ...for the purpose of rescinding payments for non-delivery...	Modified Definition – Dipatchable Load is more appropriate and incorporates Curtaillable Demand; Distinguish between other commitment periods
2.5.26.2	Modified Language – Replaced ...Curtaillable Demand... with ...Dispatchable Load... Replace ...BEEP Interval... with ...Dispatch Interval...	Modified Definition – Dipatchable Load is more appropriate and incorporates Curtaillable Demand; BEEP Interval Ex-Post Price will no longer apply using a Network Model
2.5.26.2.1	Modified language - Replace ...BEEP Interval... with ...Dispatch Interval...	BEEP Interval Ex-Post Price will no longer apply using a Network Model
2.5.26.2.2	Modified Language – Replaced ...Curtaillable Demand... with ... Dispatchable Load... Replace ...BEEP Interval... with ...Dispatch Interval...	Modified Definition – Dipatchable Load is more appropriate and incorporates Curtaillable Demand; BEEP Interval Ex-Post Price will no longer apply using a Network Model
2.5.26.2.4	Modified language – Replaced ...Zonal Market Clearing Price... with ... relevant Ancillary Services Marginal Price... Replaced ...Curtaillable Demand... with ...Dispatchable load... Struck ...Replacement Reserve... Replaced references 2.5.15, 2.5.16, 2.5.17 with section 31.2.3.1.4.3 and references 2.5.27.2, 2.5.27.3, 2.5.27.4 with section 31.2.3.4.2.1 and 31.2.3.4.2.2	Zonal model is no longer used; Modified Definition – Dipatchable Load is more appropriate and incorporates Curtaillable Demand; Replacement Reserve is no longer a Ancillary Service ; LMP is describe in section 31.2.3.1.4.3; settlement of Regulation and Operating reserves are described in sections 31.2.3.4.2.1 and 31.2.3.4.2.2

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2.5.26.2.5	Modified language - Replaced ...Curtaillable Demand... with ...Dispatchable Load... Struck ...Replacement Reserve...	Modified Definition – Dipatchable Load is more appropriate and incorporates Curtaillable Demand; Replacement Reserve is no longer a Ancillary Service
2.5.26.2.6	Modified language – Replaced ...BEEP interval... with ...Dispatch Interval... Struck ...Replacement Reserve...	BEEP interval does not apply – SCED will be used in the Real-Time market; Replacement Reserve is no longer a Ancillary Service
2.5.26.6	Added ...shall be exempt from Uninstructed Deviation Penalties as set forth...Replaced reference to 2.5.26.2.3 with 11.2.4.1.2 (d)	Section 2.5.26.2.3 is no longer used
2.5.26.3	Modified language – Replaced ...Curtaillable Demand... with ...Dispatchable load... Struck ...Replacement Reserve... Replaced ...BEEP Interval... with ...Dispatch Interval...	Modified Definition – Dipatchable Load is more appropriate and incorporates Curtaillable Demand; Replacement Reserve is no longer a Ancillary Service ; BEEP interval does not apply – SCED will be used in the Real-Time Market
2.5.27	Not used	Settlements for Contracted Ancillary Services is repeated in the settlements and Billing protocol
2.5.27.1	Not used	Settlements for Contracted Ancillary Services - Regulation is repeated in the settlements and Billing protocol
2.5.27.2	Not used	Settlements for Contracted Ancillary Services – Spinning Reserve is repeated in the settlements and Billing protocol
2.5.27.3	Not used	Settlements for Contracted Ancillary Services – Non Spinning Reserve is repeated in the settlements and Billing protocol
2.5.27.4	Not used	Replacement Reserve is no longer used
2.5.27.5	Not used	Settlements for Contracted Ancillary Services – Voltage Support is repeated in the settlements and Billing protocol
2.5.27.6	Not used	Settlements for Contracted Ancillary Services – Black Start is repeated in the settlements and Billing protocol
2.5.27.7	Not used	Limitations on prices are established in section 28
2.5.28	Not used	Settlement User Charges for Ancillary Services is repeated in the settlements and Billing protocol
2.5.28.1	Not Used	Settlement User Charges for Ancillary Services – Regulation is repeated in the settlements and Billing protocol
2.5.28.2	Not Used	Settlement User Charges for Ancillary Services – Spinning Reserve is repeated in the settlements and Billing protocol
2.5.28.3	Not Used	Settlement User Charges for Ancillary Services – Non Spinning Reserve is repeated in the settlements and Billing protocol
2.5.28.4	Not Used	Replacement Reserve is no longer used
2.5.28.5	Not Used	Settlement User Charges for Ancillary Services – Voltage Support is repeated in

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		the settlements and Billing protocol
2.5.28.6	Not Used	Settlement User Charges for Ancillary Services – Black Start is repeated in the settlements and Billing protocol
2.5.29	Modified table – Replaced ...Clearing Price...with ...Ancillary Service Marginal Price... Struck ...replacement reserve... and ...Black Start... added column for Ancillary Service Region	Clearing Price will no longer apply using the Network Model; Replacement Reserve is no longer used ; Black Start is not published; Ancillary Services Regions will be published
3.3.4.2	Modified language – added reference to Maintenance Reporting Requirements	Provides the ISO with updated information on Outages that can effect ISO Controlled Gid. Will be important for monthly FTR auctions.
3.3.4.6	Modified language – Struck ...Intra-Zonal... Replaced ...Zone... with ...ISO Control Area...	Consistent with new congestion management terminology?
4.3.2	Modified language – added reference to notify ISO of outage schedule changes	Provides the ISO with updated information on Outages that can effect ISO Controlled Gid. Will be important for monthly FTR auctions.
5.11 – 5.11.5	Not Used	Must Offer Obligation continues with a different constituency of units defined in 31.2.3.2.2
5.12.2.1	Modified language – added ...shall unused Day-Ahead energy bids...	Participants in the ISO Day-Ahead energy market will have the ability to indicate if unused energy bids can be used in the RUC process
5.12.2.2	Modified language – added ...shall indicate to the ISO DA energy bid participation...	Participants in the ISO Day-Ahead energy market will have the ability to indicate if unused energy bids can be used in the RUC process
5.12.2.3	Modified language – added ...indicate to the ISO unused Day-Ahead energy bid participation...	Participants in the ISO Day-Ahead energy market will have the ability to indicate if unused energy bids can be used in the RUC process
5.12.2.4	Modified Language – Replaced ...Curtaillable Demand... with ...Dispatchable Load... added language ...indicated unused DA energy bid participation...	Modified Definition – Dipatchable Load is more appropriate and incorporates Curtaillable Demand; Participants in the ISO Day-Ahead energy market will have the ability to indicate if unused energy bids can be used in the RUC process
5.12.2.5	Modified language – added ...indicate unused DA energy bid participation...	Participants in the ISO Day-Ahead energy market will have the ability to indicate if unused energy bids can be used in the RUC process
5.12.3.1	Modified language – Replaced ...bidding... with ...participation...	Energy curves will be used in RUC not bids
5.12.4	Added ..Timing of the Residual Unit Commitment Process	New Heading
5.12.4.1	Modified language – added reference to ...RUC uses bids submitted in the DA market, participants can indicate to the ISO if unused DA bids can participate in RUC...	RUC utilizes unused Day-Ahead bids; Participants in the ISO Day-Ahead energy market will have the ability to indicate if unused energy bids can be used in the RUC process
5.12.4.2	Modified language - added ...one half hour after the Final Day-ahead schedules are published...	The time in which the RUC process will be conducted
5.12.5	Replaced ...Structure of Bids... with ...Transmission of System Resources in	Bids will not be submitted in RUC; Sub-item define transmission requirement for

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	the RUC... Added sub-item (a) Transmission outside the ISO Control Area Added sub-item (b) ISO Control Area Transmission	System Resources used in RUC
5.12.5.1	Not used	Structure of bids reflected in section 31
5.12.5.1	Replaced with new section – Transmission Outside the ISO control Area – System resources selected in RUC must obtain transmission to the ISO control area	Clarifies transmission service outside the ISO control area is required for system resources selected by RUC
5.12.5.1.1 – 5.12.5.1.3	Not Used	Reflected in Structure of Bids section 31.2.3.2.3.3 and sub-sections
5.12.5.1.4	Replaced language with ...utilize the same default bids for RUC as used in the Day-Ahead market...	Unused Default bids from the Day-Ahead will be used in the RUC process
5.12.5.1.4.1 – 5.12.5.1.4.2.3	Not Used	Gas Fired Units subject to PGA; Default Start-up Cost, Default Minimum Load Cost, Default energy bids; Non Gas Fired Units subject to PGA; Default Start-up Cost, Default Minimum Load Cost, Default energy bids are reflected in section 31.4.3.2.3.2.
5.12.5.2	Replaced with new section – ...ISO Control Area Transmission... – ...ISO will provide transmission internal to the ISO control area for resources selected by RUC...	Clarifies that the ISO will provide transmission internal to the ISO control area for System Resources selected by RUC
5.12.5.2 (second occurrence) – 5.12.5.5.1	Not Used	Hydroelectric generating units subject to PGA; Start-up Cost, Minimum Load Cost, Energy Bids; System Resources; energy bids, Block Bids, Curtailable Demand, Minimum curtailable payment, Minimum Hourly payment, Energy bid are reflected in section 31
5.12.6.1.1	Modified language – Replace ...Curtailable Demand... with ...Dispatchable Load...	Modified Definition – Dispatchable Load is more appropriate and incorporates Curtailable Demand
5.12.6.2	Modified language - Replaced ...Curtailable Demand... with ...Dispatchable Load...	Modified Definition – Dispatchable Load is more appropriate and incorporates Curtailable Demand
5.12.6.4	Modified language - Replaced ...Curtailable Demand... with ...Dispatchable Load...	Modified Definition – Dispatchable Load is more appropriate and incorporates Curtailable Demand
5.12.7.1.1.2.5	Modified language –Removed... 1)the Generation Unit is not awarded or does not self-provide an Hour-Ahead Ancillary Services schedule and 2)...	Modified Definition of Qualifying Hour to remove the reference to the Hour Ahead Ancillary Services procurement
5.12.7.1.1.3	Modified language – Replaced ...BEEP Interval... with ...Dispatch Interval... Replaced ...Market Clearing Price... with ...Locational Marginal Price...	BEEP Interval Ex-Post Price will no longer apply using a Network Model; Market Clearing Price will no longer apply using a Network Model
5.12.7.1.1.4	Modified language – Replaced ...BEEP Interval... with ...Dispatch Interval... Replaced ...Market Clearing Price... with Locational Marginal Price...	BEEP Interval Ex-Post Price will no longer apply using a Network Model; Market Clearing Price will no longer apply using a Network Model

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	Added... the sum of the Day-Ahead, Hour-Ahead and Real-Time Ancillary Service payments.	Added the sum of the Day-Ahead, Hour-Ahead and Real-Time Ancillary Service payments.
5.12.7.1.3.3	Modified heading – added ...or Producing Uninstructed Imbalance Energy...Modified language – Replaced ...BEEP Interval... with ...Dispatch Interval... added ...Uninstructed Imbalance Energy is produced	BEEP Interval Ex-Post Price will no longer apply using a Network Model; clarifies that capacity payments will be withdrawn for uninstructed imbalance energy
5.12.7.1.3.4	Modified language – Replaced ...BEEP Interval... with ...Dispatch Interval...	BEEP Interval Ex-Post Price will no longer apply using a Network Model
5.12.7.2.1	Modified language – Replaced ...BEEP Interval Market Clearing Price... with ...Dispatch Interval Locational Marginal Price...	BEEP Interval Ex-Post Price will no longer apply using a Network Model; Market Clearing Price will no longer apply using a Network Model
5.12.7.2.2	Modified language – Replaced ...BEEP Interval Market Clearing Price... with ...Dispatch Interval Locational Marginal Price...	BEEP Interval Ex-Post Price will no longer apply using a Network Model; Market Clearing Price will no longer apply using a Network Model
5.12.7.3	Modified Heading – Replaced ...Curtailable Demand... with ...Dispatchable Load...	Modified Definition – Dispatchable Load is more appropriate and incorporates Curtailable Demand
5.12.7.3.1	Modified language – Replaced ...Curtailable Demand... with ...Dispatchable Load...	Modified Definition – Dispatchable Load is more appropriate and incorporates Curtailable Demand
5.12.7.4.2	Modified heading – added ...or Producing Uninstructed Imbalance Energy... added ...Uninstructed Imbalance Energy is produced	Clarifies that capacity payments will be withdrawn for uninstructed imbalance energy
5.12.8.1	Modified language – Replaced ...Curtailable Demand... with ...Dispatchable Load...	Modified Definition – Dispatchable Load is more appropriate and incorporates Curtailable Demand
5.12.8.1.3	Modified language – Replaced ...Curtailable Demand... with ...Dispatchable Load...	Modified Definition – Dispatchable Load is more appropriate and incorporates Curtailable Demand
6.1.2	Not Used	OASIS has replaced Wenet for public communications
6.1.2.2	Not used	OASIS has replaced Wenet for public communications
6.1.2.2.1	Not used Not Used	Reflected in SP
6.1.2.2.2	Not used Not used	Reflected in SP
6.1.2.2.3	Not used Not used	Reflected in SP
6.1.2.3	Not used	Network Model_OASIS has replaced Wenet for public communications
6.1.2.6	Not used	OASIS has replaced Wenet for public communications
7.1.4	Modified reference - Replaced reference to 7.2 and 7.3 with 31.2.3.2.8	Wheeling Through is described in section 31.2.3.2.8
7.2 –7.4.3	Not used	Zonal model no longer used , congestion is reflected in new section 31.2.3.1.4
8.3.3	Added ... including the capacity selected by the ISO in RUC for which an SC	Reflects the MW quantity for RUC capacity that has not been loaded

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### Summary of Tariff Changes for Market Redesign Other than FTRs and Capacity Resources

Tariff Section (s)	Status	Reason for Change
	receives a capacity payment...	
10.2.2	Added ...between UDCs and the ISO Control Area and other Control Area... Replaced ...Zone... with ...Location...	Clarified interfaces; Zones will not apply using a network model
10.3.1	Replaced ...Zone... with ...Location...	Zones will not apply using a network model
11.1.6	Modified language – struck sub-item (2) Grid Operations Charge	Grid Operations Charge will no longer be used
11.2.2	Not Used	Grid Operations Charge will no longer be used
11.2.3	Modified references – Replaced references 2.5.27.1 thru 2.5.27.4 and 2.5.28.1 thru 2.5.28.4 with Settlements and Billing Protocol	Duplicated in the Settlements and Billing Protocol
11.2.4	Modified language – Replace ...BEEP Interval... with ...Dispatch interval... Replaced ...Zone or Scheduling Point... with ...Location...	BEEP interval will be replaced with the dispatch interval of SCED; Zone or Scheduling point will no longer apply with a Network Model
11.2.4.1	Modified language – Struck ...Net... from header, Replaced ...Zone... with ...Location... Replaced ...BEEP Interval... with ...Dispatch Interval... Replaced Reference 2.5.23.2.1 with section 31.4.3.4.1 and the Settlements and Billing Protocol Appendix D	Settlement for Uninstructed Imbalance Energy will not be netted; Zone will not apply using a Network Model; BEEP interval will be replaced with the dispatch interval of SCED; Instructed Energy Settlement is described in section 31.4.3.4.1
11.2.4.1.1	Modified language – Replaced ...BEEP Interval... with ...Dispatch Interval... Replaced reference 2.5.23 with 31.4.3.4.1 and the Settlements and Billing Protocol Appendix D	BEEP interval will be replaced with the dispatch interval of SCED; Instructed Energy Settlement is described in section 31.4.3.4.1
11.2.4.1.2	Modified language – Replaced ...BEEP Interval... with ...Dispatch Interval... Struck reference 5.6.3, added sub-item (b) Modified sub-item (c), Replaced ...Participating... with ...Dispatchable... Replaced ...BEEP Interval... with ...Dispatch Interval... Replaced ...BEEP Interval Ex-Post Price... with ... Dispatch Interval Locational Marginal Price... Replaced ...Out of Market... with ...Exceptional Dispatches... Replace ...Curtaillable Demand... with ...Dispatchable Load...	BEEP interval will be replaced with the dispatch interval of SCED; Dispatchable incorporates Participating; The term of dispatch instructions out side of normal operations will be Exceptional Dispatches; Modified Definition – Dispatchable Load is more appropriate and incorporates Curtaillable Demand; section 5.6.3 is Amendment 33 penalties which are not invoked
11.2.4.2	Modified language – added ...with no bids (either submitted or inserted by the ISO) in which... added ...Hour-Ahead... deleted ...Intra-Zonal... deleted ...PX... Replaced in sub-item (a) ...Uninstructed Imbalance Energy... with ...Hourly Ex Post Price... Replaced ...Market Clearing Price... with ...Locational Marginal Price... Replaced reference 11.2.4.1 with SABP Appendix D, Replaced in sub-item (b) (i) ... Replaced Settlement Period for Imbalance Energy Market... with ...Dispatch Interval... Replaced in sub-item (ii) ...Market... with ...Ancillary Service Marginal Price... added ...payment option A...	Clarifies bids that are not submitted; Clarifies the provision apply in the Hour-Ahead market; Intra-Zonal will no longer apply ; PX no longer exists; Uninstructed Imbalance Energy no longer applies; Market Clearing Price no longer applies using a Network Model; SABP contains the calculation for the Ex Post Price; Dispatch interval applies in the SCED process; Marginal Prices are an outcome of the Full Network Model; payment option A is the Hourly Ex Post Price

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### Summary of Tariff Changes for Market Redesign Other than FTRs and Capacity Resources

Tariff Section (s)	Status	Reason for Change
11.2.4.2.1	Not used – refer to section 31.4.3.4.4	Allocation of Costs Resulting from Dispatch instructions is reflected in section 31.4.3.4.4
11.2.4.2.2	Modified language – Replaced ...BEEP Interval... with ...Dispatch Interval... Replace ...NECPL... with ...Bid Ceiling...	BEEP Interval Ex-Post Price will no longer apply using a Network Model; Limitations on prices are established in section 28, part of price mitigation provisions that will go away as part of section 33
11.2.4.3	Modified language – Replaced ...BEEP Interval... with ...Dispatch Interval... Replace ... BEEP Interval Ex-Post Price... with ... Dispatch Interval Locational Marginal Price...	BEEP Interval Ex-Post Price will no longer apply using a Network Model; BEEP Interval Ex-Post Price will no longer apply using a Network Model
11.2.4.5.1	Modified language - Replaced ...BEEP Interval... with ...Dispatch Interval... Replaced reference 2.5.23.2.3 with Settlements and Billing Protocol Appendix D	BEEP Interval Ex-Post Price will no longer apply using a Network Model;
	Modified reference – Struck reference 2.5.28.4	2.5.28.4 refers to Replacement Reserve and is no longer used
11.2.4.5.3	Modified language - Replaced ...BEEP interval... with ...Dispatch interval... Replaced ...BEEP Interval Ex-Post Price... with ...Dispatch Interval Locational Marginal Price... Replaced referenced 2.5.23.2.1 with Settlement and Billing Protocol Appendix D	BEEP Interval Ex-Post Price will no longer apply using a Network Model; BEEP Interval Ex-Post Price will no longer apply using a Network Model; 2.5.23.2.1 refers to BEEP Interval Ex-Post Price and is no longer used
11.2.5	Not used	Usage Charges no longer apply using Network Model
11.2.7	Modified References – Replaced references 2.5.27.5, 2.5.27.6, 2.5.28.5, 2.5.28.6 with Settlement and Billing Protocol Appendix G deleted	References are duplicate of the SBP
11.2.9	Modified language – Replace Sub-item (d) reference 2.5.27.1 with Settlement and Billing Protocol Appendix C	Reference is a duplicate of the SBP
11.2.12	Modified language – Replaced sub-items (a) and (b) - reference 2.5.27.1 and 2.5.27.4, 2.5.28.1, 2.5.28.4 with Settlement and Billing Protocol Appendix C, Replaced ...MCP for A/S... with ...Ancillary Service Marginal Price... Modified sub-item (c) added ...at the Location... after Marginal Proxy Price, Replaced ...Non Emergency Clearing Price... with ...Locational Marginal Price...	References are duplicate of the SBP; 2.5.28.4 refers to Replacement Reserve and is no longer used; Market Clearing Price no longer applies with a Network Model; Locational Marginal Prices will be used
11.2.13	Modified header - strike ...and Start Up Fuel Cost... struck ...Start Up Fuel Costs... and reference to 2.5.23.3.7	Start up cost will be paid through the RUC and Day Ahead Market settlement
11.4.3	Modified language – Replaced ...Zone by Zone... with ...Load Zone...	Energy and Ancillary Services will settle at a load zone level
21 – 21.3.2	Not used	Transmission losses reflected by GMMs will no longer apply
22 – 22.3.1	Not used	Balanced Schedules are no longer required
26 – 26.2	Not used	No longer applies

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### Summary of Tariff Changes for Market Redesign Other than FTRs and Capacity Resources

Tariff Section (s)	Status	Reason for Change
27 – 27.2	Not used	No longer applies
28.2.1.2	Replaced ...short term forward... with ...Day-Ahead, Hour-Ahead... Added ...from the ISO... deleted reference to CERS; Capitalized defined terms	Clarified Language, ISO will have a forward energy market
28.2.1.3	Modified language in sub-item 10 (b) – Replaced ...short term... with ... Day-Ahead and Hour-Ahead... Replaced in sub-item 5 ...out of market... with Exceptional Dispatch... Capitalized defined terms	Day-Ahead and Hour-Ahead markets will now apply; Exceptional Dispatch are out of normal operations; Clean-up on defined terms
31	New section	Describes the Day-Ahead, Hour-Ahead and Real-Time Market Design 2002
31.1	New section – refers to SP 3.2.1	Refers the Two Day-Ahead Advisory Information to SP 3.2.1
31.2	New section	Describes Day-Ahead publication on OASIS
31.2.1	New section – refers to SP 3.2.2	Refers to the Day-Ahead information in SP 3.2.2
31.2.2	New section	Describes the Reliability Must-Run Requirements as they apply to the Market Design – Replaces sections 2.2.12.2 and 2.2.12.2.1
31.2.2.1	New section	Describes the Reliability Must-Run Requirements as they apply to the Market Design – Replaces sections 2.2.12.2.2
31.2.2.1.1	New section	Describes the Reliability Must-Run Requirements as they apply to the Market Design – Replaces sections 2.2.12.2.2
31.2.2.1.2	New section	Describes the Reliability Must-Run Requirements as they apply to the Market Design – Replaces sections 2.2.12.2.3 through 2.2.12.2.4
31.2.2.1.2.1	New section	Describes the Reliability Must-Run Requirements as they apply to the Market Design – Replaces sections 2.2.12.2.3 through 2.2.12.2.4
31.2.2.1.2.2	New section	Describes the Reliability Must-Run Requirements as they apply to the Market Design – Replaces sections 2.2.12.2.3 through 2.2.12.2.3.3
31.2.2.1.3	New section	Describes the Reliability Must-Run Requirements as they apply to the Market Design – Replaces sections 2.2.12.2.4
31.2.2.1.4	New section	Describes the ISO Analysis of RMR Preferred Schedules – Replaces section 2.2.12.6
31.2.3	New section	Describes the Day-Ahead Energy and Ancillary Services market
31.2.3.1	New section	Describes the process of Security Constrained Unit Commitment (SCUC)
31.2.3.1.1	New section	Describes the process of SCUC
31.2.3.1.2	New section	Describes Unit Commitment
31.2.3.1.2.1	New section	Defines the elements associated with Unit Commitment
31.2.3.1.2.2	New section	Describes the time horizon of SCUC

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### Summary of Tariff Changes for Market Redesign Other than FTRs and Capacity Resources

Tariff Section (s)	Status	Reason for Change
		IWG language is in section 2.3.1.2.1
31.2.3.1.2.3	New section	Describes self commitment as it relates to SCUC
31.2.3.1.2.4	New section	Describes ISO commitment as it relates to SCUC
31.2.3.1.3	New section	Describes Ancillary Service procurement in SCUC replaces sections 2.5.14 through 2.5.17
31.2.3.1.3.1	New section	Describes Ancillary Service Requirements by region
31.2.3.1.3.2	New section	Describes Ancillary Service Self Provision
31.2.3.1.3.3	New section	Describes Ancillary Service Substitutability
31.2.3.1.4	New section	Describes the simultaneous Congestion management, Ancillary Service procurement and Energy scheduling process
31.2.3.1.4.1	New section	Describes the model used in the market design
31.2.3.1.4.1.1	New section	Describes the use of the Full Network Model (FNM)
31.2.3.1.4.1.2	New section	Describes the Transmission Losses as they relate to FNM
31.2.3.1.4.1.3	New section	Describes network constraints as they relate to FNM
31.2.3.1.4.1.4	New section	Describes the constraints used in the SCUC
31.2.3.1.4.2	New section	Describes the use of Default Energy Bids
31.2.3.1.4.2.1	New section	Describes the treatment of Existing Contracts Source and Sinks
31.2.3.1.4.2.2	New section	Describes the treatment Point-to-Point Firm Transmission Rights Sources and Sinks
31.2.3.1.4.2.3	New section	Describes the treatment of RMR Energy
31.2.3.1.4.2.4	New section	Describes Supply and Demand Price Takers
31.2.3.1.4.3	New section	Describes Locational Marginal Pricing
31.2.3.1.4.4	New section	Describes the determination of Ancillary Services and Congestion in SCUC
31.2.3.1.4.5	New section	Describes Local Market Power Bid Mitigation
31.2.3.2	New section	Describes the option of balanced schedules
31.2.3.2.1	New section	Describes Load Aggregation
31.2.3.2.1.1	New section	Describes Load Distribution Factors
31.2.3.2.1.1.1	New section	Describes Standard Aggregation Scheduling Distribution Factors
31.2.3.2.1.1.2	New section	Describe Standard Aggregation Real-Time Distribution Factors
31.2.3.2.1.1.3	New section	Describes Customer Aggregation Scheduling Distribution Factors
31.2.3.2.1.1.4	New section	Describes Customer Aggregation Real-Time Distribution Factors
31.2.3.2.1.2	New section	Describes Customer Aggregation

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### Summary of Tariff Changes for Market Redesign Other than FTRs and Capacity Resources

Tariff Section (s)	Status	Reason for Change
31.2.3.2.2	New section	Describes Obligation to offer Available Capacity
31.2.3.2.2.1	New section	Describes Available Generation
31.2.3.2.2.1.1	New section	Describes Day-Ahead Markets
31.2.3.2.2.1.2	New section	Describes Residual Unit Commitment Process
31.2.3.2.2.1.3	New section	Describes Hour-Ahead Market
31.2.3.2.2.1.4	New section	Describes Real-Time Imbalance Energy Market
31.2.3.2.3	New section	Section with sub-sections are a description of Bidding requirements
31.2.3.2.3.1	New section	Describes entities that can participate in Bidding
31.2.3.2.3.1.1	New section	Describes requirement for Capacity Resources
31.2.3.2.3.1.2	New section	Describes requirement for Capacity Resource
31.2.3.2.3.1.3	New section	Describes requirement for Load
31.2.3.2.3.1.4	New section	Describes requirement for System Resources
31.2.3.2.3.1.5	New section	Describes requirement for System Units
31.2.3.2.3.2	New section	Describes Default Data Requirements
31.2.3.2.3.3	New Section	Describes Structure of Bids
31.2.3.2.3.3.1	New Section	Describes Structure of Bids for Generating Units
31.2.3.2.3.3.1.1	New Section	Describes Structure of Bids for Generating Units for Start-Up Costs
31.2.3.2.3.3.1.2	New Section	Describes Structure of Bids for Generating Units for Minimum Load Cost
31.2.3.2.3.3.1.3	New Section	Describes Structure of Bids for Generating Units Energy Bids
31.2.3.2.3.3.2	New Section	Describes Structure of Bids for System Resources
31.2.3.2.3.3.2.1	New Section	Describes Structure of Bids for System Resources for Energy Bids
31.2.3.2.3.3.2.2	New Section	Describes Structure of Bids for System Resources for Block Bids
31.2.3.2.3.3.3	New Section	Describes Structure of Bids for System Units
31.2.3.2.3.3.3.1	New Section	Describes Structure of Bids for System Units Energy Bids
31.2.3.2.3.4	New Section	Describes Structure of Bids for Loads
31.2.3.2.3.4.1	New Section	Describes Structure of Bids for Loads for Designation Code
31.2.3.2.3.4.2	New Section	Describes Structure of Bids for Loads for Quantity at Take-out-Points
31.2.3.2.3.4.3	New Section	Describes Structure of Bids for Loads for Demand Bids
31.2.3.2.3.4.4	New Section	Describes Structure of Bids for Loads for Participating Loads
31.2.3.2.3.4.4.1	New Section	Describes Structure of Bids for Loads for Minimum Curtailment Payment
31.2.3.2.3.4.4.2	New Section	Describes Structure of Bids for Loads for Minimum Hourly Payment
31.2.3.2.3.4.4.3	New Section	Describes Structure of Bids for Loads Energy Bid Curve

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### Summary of Tariff Changes for Market Redesign Other than FTRs and Capacity Resources

Tariff Section (s)	Status	Reason for Change
31.2.3.2.3.4.4.4	New Section	Describes Additional Bid Data
31.2.3.2.3.4.5	New Section	Describes Default Energy Bids for Congestion Management
31.2.3.2.3.5	New Section	Describes Default Bids for Capacity Resources and RUC units
31.2.3.2.3.5.1	New Section	Describes Default Bids for Generating Units
31.2.3.2.3.5.1.1	New Section	Describes Default Bids for Generating Units for Start-Up Cost
31.2.3.2.3.5.1.2	New Section	Describes Default Bids for Generating Units for Minimum Load Cost
31.2.3.2.3.5.1.3	New Section	Describes Default Bids for Generating Units for Energy Bid
31.2.3.2.3.5.1.4	New Section	Describes Default Bids for Ancillary Service Bids
31.2.3.2.3.5.2	New Section	Describes Default Bids for System Resources that are Capacity Resources
31.2.3.2.3.5.2.1	New Section	Describes Default Bids for System Resources that are Capacity Resources for Energy Bids
31.2.3.2.3.5.3	New Section	Describes Default Bids for System Units that are Capacity Resources
31.2.3.2.3.5.3.1	New Section	Describes Default Bids for System Units that are Capacity Resources for Energy Bids
31.2.3.2.3.6	New Section	Describes Capacity Resource Loads
31.2.3.2.4	New Section	Describes Ancillary Service Bids
31.2.3.2.5	New Section	Describes Inter-SC Trades
31.2.3.2.5.1	New Section	Describes Energy Trades
31.2.3.2.5.2	New Section	Describes Ancillary Service Trades
31.2.3.2.6	New Section	Describes Existing Contract Scheduling
31.2.3.2.7	New Section	Describes Firm Transmission Right Scheduling
31.2.3.2.8	New Section	Describes Wheeling Through Schedules
31.2.3.3	New Section	Describes Market Power Mitigation
31.2.3.4	New Section	Describes Day-Ahead Settlements
31.2.3.4.1	New Section	Describes Day-Ahead Energy Settlements
31.2.3.4.2	New Section	Describes Day-Ahead Ancillary Services Capacity Payment
31.2.3.4.2.1	New Section	Describes Payments to Suppliers for Regulation Service
31.2.3.4.2.2	New Section	Describes Payments to Suppliers for Operating Reserves
31.2.3.4.2.3	New Section	Describes Congestion Charges to Imports Providing Ancillary Services
31.2.3.4.2.4	New Section	Describes Payments to Suppliers of Reactive Supply and Voltage Support Service
31.2.3.4.2.5	New Section	Describes Payments for Generators for Black Start Capability

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### Summary of Tariff Changes for Market Redesign Other than FTRs and Capacity Resources

Tariff Section (s)	Status	Reason for Change
31.2.3.4.2.6	New Section	Describes Allocation of A/S Costs
31.2.3.4.3	New Section	Describes Firm Transmission Rights Holders Payment/Charge
31.2.3.4.4	New Section	Describes Unit Commitment Cost Compensation
31.2.3.4.4.1	New Section	Describes Unit Commitment Cost Compensation for Generating Units
31.2.3.4.4.1.1	New Section	Describes Unit Commitment Cost Payment to Generating Units
31.2.3.4.4.1.1.1	New Section	Describes Unrecovered Commitment Costs for Generating Units
31.2.3.4.4.1.1.2	New Section	Describes Allocated Start-Up Costs for Generating Units
31.2.3.4.4.1.1.2.1	New Section	Describes Eligibility to be paid Allocated Start-Up Costs for Generating Units
31.2.3.4.4.1.1.2.2	New Section	Describe Commitment Period for Generating Units
31.2.3.4.4.1.1.2.3	New Section	Describes ISO Commitment Period for Generating Units
31.2.3.4.4.1.1.2.4	New Section	Describes Self Commitment Period for Generating Units
31.2.3.4.4.1.1.2.5	New Section	Describes Qualifying Hour for Generating Units
31.2.3.4.4.1.1.3	New Section	Describes Hourly Minimum Cost Deficiency
31.2.3.4.4.1.1.3.1	New Section	Describes Minimum Load Cost
31.2.3.4.4.1.1.4	New Section	Describes Hourly Net of Market Revenue
31.2.3.4.4.1.1.4.1	New Section	Describes Imputed Cost for Gas-Fired Generating Units
31.2.3.4.4.1.1.4.2	New Section	Describes Imputed Cost for Non Gas-Fired Generating Units
31.2.3.4.4.1.2	New Section	Describes Payment for Terminated Start-Up
31.2.3.4.4.2	New Section	Describes Unit Commitment Cost Payment to System Resources
31.2.3.4.4.3	New Section	Heading for Dispatchable Load settlement
31.2.3.4.4.3.1	New Section	Describes Minimum Curtailment Payment for Dispatchable Load
31.2.3.4.4.3.2	New Section	Describes Minimum Hourly Payment for Dispatchable Load
31.2.3.4.4.4	New Section	Heading for Unit Commitment Cost Allocation
31.2.3.4.4.4.1	New Section	Describes Total Hourly Unit Commitment Cost
31.2.3.4.4.4.1.1	New Section	Describes Hourly Generating Unit Commitment Costs
31.2.3.4.4.4.1.2	New Section	Describes Hourly System Resource Costs
31.2.3.4.4.4.1.3	New Section	Describes The Hourly Dispatchable Load Commitment Costs
31.2.3.4.4.4.1.4	New Section	Describes The Hourly Terminated Start-Up Costs Question Reference
31.2.3.4.4.4.2	New Section	Describes Allocation of Total Hourly Unit Commitment Cost
31.2.4	New Section	Describes Residual Unit Commitment Process
31.3	New Section	Describes Hour-Ahead Market

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### Summary of Tariff Changes for Market Redesign Other than FTRs and Capacity Resources

Tariff Section (s)	Status	Reason for Change
31.3.1	New Section	Heading to describe entities that can participate in the Hour-Ahead Market
31.3.1.1	New Section	Describes requirements for Capacity Resources in the Hour-Ahead Market
31.3.1.2	New Section	Describes requirements for Generating Units in the Hour-Ahead Market
31.3.1.3	New Section	Describes requirements for Load in the Hour-Ahead Market
31.3.1.4	New Section	Describes requirements for System Resources in the Hour-Ahead Market
31.3.1.5	New Section	Describes requirements for System Units in the Hour-Ahead Market
31.3.2	New Section	Describes Time Horizon of the Hour-Ahead Market IWG reference is 2.3.1.2.1
31.3.3	New Section	Describes Limitation on Bid Price in the Hour-Ahead Market
31.3.4	New Section	Describes Ancillary Service Buy-Back
31.3.5	New Section	Describes Hour-Ahead Settlements
31.3.5.1	New Section	Describes Hour-Ahead Unit Commitment Cost Compensation
31.3.5.2	New Section	Describes Congestion Deficit Due to ATC Reduction
31.3.6	New Section	Describes Hour-Ahead Residual Unit Commitment
31.3.6.1	New Section	Describes Allocation of Hour-Ahead Residual Unit Commitment Process Charge
31.4	New Section	Heading for the Real-Time Market section
31.4.1	New Section	Heading for Bidding Requirements in the Real-Time Market
31.4.1.1	New Section	Describes Energy Bid Definition for the Real-Time Market
31.4.1.2	New Section	Describes Energy Bid Submission for the Real-Time Market
31.4.1.3	New Section	Describes Real Time Energy Bid Partition
31.4.1.4	New Section	Describes Participating Resources in the Real-Time Market
31.4.2	New Section	Describes Hourly Pre-Dispatch
31.4.2.1	New Section	Describes Eligibility for Hourly Pre-Dispatch
31.4.2.2	New Section	Describes Market Power Mitigation for Hourly Pre-Dispatch and Real-Time Markets
31.4.2.3	New Section	Describes Pre-Dispatch Energy Settlement
31.4.3	New Section	Describes Interval Dispatch
31.4.3.1	New Section	Describes Imbalance Energy Requirement Calculation
31.4.3.1.1	New Section	Describes Short-Term Load Forecast
31.4.3.1.2	New Section	Describes Regulating Unit Offset
31.4.3.1.3	New Section	Describes Input Based on System Conditions Are references 4.3.1.1 and 4.3.1.2 in new section 31

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### Summary of Tariff Changes for Market Redesign Other than FTRs and Capacity Resources

Tariff Section (s)	Status	Reason for Change
31.4.3.2	New Section	Describes Real-Time Dispatch
31.4.3.2.1	New Section	Describes State Estimation
31.4.3.2.2		Describes Imbalance Energy Procurement Are references 4.3.2.3 in new section 31
31.4.3.2.2.1	New Section	Describes Security Constrained Economic Dispatch
31.4.3.2.3	New Section	Heading for Congestion Management in Real-Time
31.4.3.2.3.1	New Section	Describes Modeling for the Real-Time Market Are references 4.3.2.1 in new section 31
31.4.3.2.3.2	New Section	Describes Default Energy Bids used in the Real-Time Market
31.4.3.2.4	New Section	Describes Real-Time Locational Pricing
31.4.3.2.5	New Section	Describes Exceptional Dispatches in Real-Time
31.4.3.2.6	New Section	Describes Contingency Dispatch in Real-Time
31.4.3.2.7	New Section	Describes Emergency Action in Real-Time
31.4.3.3	New Section	Describes Dispatch Instructions in Real-Time
31.4.3.4	New Section	Describes Imbalance Energy Settlement
31.4.3.4.1	New Section	Describes Instructed Energy Settlement
31.4.3.4.2	New Section	Describes Uninstructed Energy Settlement
31.4.3.4.3	New Section	Describes Unaccounted For Energy
31.4.3.4.4	New Section	Describes Side Payment Uplift
31.4.4	New Section	Describes Replacing or Procuring Additional Operating Reserve
32.	New Section	Provisions for an interim period of market operations prior to full scale operation and implementation of full network model and locational marginal pricing
32.1	New Section	Lists all Terms that are used in Section 32.
32.2	New Section	States the effective dates of the interim provisions set forth in Section 32.
32.3	New Section	Clarifies how Location and Locational Marginal Price are used during the interim period.
32.4	New Section	Describes the Zonal Congestion management process the ISO shall use during the interim period.
32.4.1	New Section	Describes performing Congestion Management
32.4.1.1	New Section	Describes Transmission Congestion during insufficient transfer capacity
32.4.1.2	New Section	Describes Zone based approach during interim period.
32.4.1.3	New Section	Describes the types of Congestion during interim period: Inter-Zonal and Intra-

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### Summary of Tariff Changes for Market Redesign Other than FTRs and Capacity Resources

Tariff Section (s)	Status	Reason for Change
		Zonal
32.4.1.4	New Section	Describes how ISO will eliminate Congestion during Day Ahead and Hour Ahead Market during the interim period.
32.4.2	New Section	Describes the ISO Congestion management requirements during interim period.
32.4.2.1	New Section	Describes how Inter-Zonal Congestion is resolved in Real Time Market during interim period.
32.4.2.2	New Section	Describes how ISO shall resolve Intra-Zonal Congestion management and Overgeneration in the Real Time Market during the interim period.
32.5	New Section	Describes the concepts of Active and Inactive Zones in regards to Congestion management during the interim period.
32.5.1	New Section	Describe an Actives Zone
32.5.2	New Section	Describe Congestion Management in inactive Zones
32.5.3	New Section	Describes costs associated with Congestion Management in inactive Zones
32.5.4	New Section	Describes the areas of inactive Zones
32.6	New Section	Describes Grid Operations Charge for Intra-Zonal Congestion
32.6.1	New Section	Describes the Grid Operations Charge settlement
32.7	New Section	Describes how SCUC will enforce constraints in the ISO Day Ahead and Hour Ahead Markets during the interim period.
32.8	New Section	Clarifies the constraints used by SCED during the interim period.
32.9	New Section	Clarifies the use of State Estimation during the interim period.
32.10	New Section	Heading for Grid Operations Charge Computation
32.10.1	New Section	Describes the purpose of the charge
32.10.2	New Section	Heading for Fundamental formulae
32.10.2.1	New Section	Describes payments to SCs with incremental schedules
32.10.2.1.1	New Section	Describes total payment of Dispatch Interval
32.10.2.2	New Section	Describes charges to SCs with decremented schedules
32.10.2.2.1	New Section	Describes total charge for Dispatch Interval
32.10.2.3	New Section	Describes net ISO redispatch costs
32.10.2.4	New Section	Describes Grid Operations Price
32.10.2.5	New Section	Describes Grid Operations Charge
32.10.3 – 32.10.3.14	New Section	Describes meaning of terms of formulae
32.11	New Section	Heading for Imbalance Energy Charge Computation

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### Summary of Tariff Changes for Market Redesign Other than FTRs and Capacity Resources

Tariff Section (s)	Status	Reason for Change
32.11.1	New Section	Describes charge for Uninstucted Imbalance Energy
32.12	New Section	Describes Transmission Losses
32.12.1	New Section	Describes Calculation of Transmission Losses for Imbalance Energy Settlements
32.12.2	New Section	Heading for Calculating and Publishing Generation Meter Multipliers
32.12.2.1	New Section	Describes the timing of the calculation
32.12.2.2	New Section	Describes the publishing of the GMMs
32.12.2.3	New Section	Methodology for Calculating Generation Meter Multipliers
32.12.2.3.1	New Section	Describes Scaled Marginal Loss Factors
32.12.2.3.2	New Section	Describes Full Marginal Loss Rate
32.12.2.3.2	New Section	Describes Loss Scale Factor
32.12.3	New Section	Defines the use of default GMMs
Appendix A – Master Definitions		
Active Zone	Deleted	Zones no longer apply using Full Network Model
Adjustment Bid	Deleted	No longer used
Ancillary Sevices	Struck ...Replacement Reserve...	Replacement Reserve is no longer an Ancillary Service
Ancillary Service Marginal Price	New Term	Replaced Market Clearing Price with Marginal Price
Ancillary Services Region	New Term	Region replaced the term Zone
Available Transmission Capacity	Modified title of definition – Replaced Transfer with Transmission	Clean-up, also in the FTR section 9 the Term Transmission is used
Balanced Schedules	Struck ...Adjusted for transmission loses...	No longer used
BEEP Interval	Deleted	SCED process will replace BEEP
BEEP Interval Ex Post Price	Deleted	SCED process will replace BEEP
BEEP Software	Deleted	SCED process will replace BEEP
Bid Cap	New Term	Defines the limit of bid price – Used in Section 31
Bid Ceiling	New Term	Defines the upper limit of bid price – Used in Section 31
Bid Floor	New Term	Defines the lower limit of bid price – Used in Section 31
Capacity Resources	New Term	Defines a resource that is required to offer available capacity
Congestion	Replaced ...Transfer... with ...Transmission	Clean-Up

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### Summary of Tariff Changes for Market Redesign Other than FTRs and Capacity Resources

Tariff Section (s)	Status	Reason for Change
Congestion Revenues	New Term	Defines the Congestion Revenue Settlement
Contract Path	New Term	Defines pathway for Existing Rights – specified in the FTR section
Converted Rights	New Term	Defines the Existing Rights that have been exchanged for FTRs - specified in the FTR section
Curtable Demand	Re-defined	Replaced with Dispatchable Load
Customer Aggregation	New Term	Used in reference with load aggregation in Section 31
Default GMM	Deleted	GMM calculations will no longer apply
Demand Bid	Modified – Struck references to ...PX... Replaced ...Market Clearing Price... with Locational Marginal Price...	Clarification to bid, clean-up on PX language, Market Clearing Prices are no longer used
Dispatch Interval	New Term	Defines the time interval of the SCED process
Dispatchable Load	Re-defined	Broadened the definition of Curtable Demand to include increased load
Effective Price	Deleted	Effective Price will not be used
Energy Bid	New Term	Defines the price for production or consumption of energy
Ex-Post GMM	Deleted	GMMs are no longer used
Ex Post Price	Deleted	Ex Post Price is no longer used
Exceptional Dispatch	New Term	Dispatch outside of the normal real-time dispatch instructions
Final Schedule	Replaced ...Revised...with ...Preferred...	Revised schedules no longer apply
FTR (Firm Transmission Rights)	New Term	Defines the Firm rights for transmission procured during an auction process - referred to in FTR section 9
FTR Auction	New Term	Defines the process used to allocate FTR s - referred to in FTR section 9
FTR Balancing Account	New Term	Defines an account that holds surpluses and deficits of congestion revenue - referred to in FTR section 9
FTR Bidder	New Term	Defines the entity that participates in the FTR auction - referred to in FTR section 9
FTR Obligation	New Term	Defines the settlements LMP differential - referred to in FTR section 9
FTR Option	New Term	Defines the settlements LMP differential – referred to in FTR section 9
FTR Policy and Procedure Guide	New Term	Used in reference with FTR section 9
FTR Secondary Market	New Term	Defines a market where FTRs are bought or sold after allocation – Used in FTR section 9
Full Marginal Loss Rate	Deleted	GMM calculation is not used
Full Network Model	New Term	Replaces the Zonal model
Generation Dispatch	New Terms	Defines Generating Units commitments and limitations

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### Summary of Tariff Changes for Market Redesign Other than FTRs and Capacity Resources

Tariff Section (s)	Status	Reason for Change
Constraints		
GMM (Generation Meter Multiplier)	Delete	GMMs no longer apply
Historic Reference Period (HRP)	New Term	Defines a 12 month period used for calculation of the FTR allocation process
Hourly-Ahead Market	Deleted ...PX and other Scheduling Coordinators....Deleted ...acceptance... added ...publication...	Clean-up PX no long exists; Final Hour-Ahead will be published, accepted does not apply
Hourly Ex Post Price	Replaced ...BEEP... with ...Dispatch... Replaced Ex Post Price... with ...Locational Marginal Price... Deleted ...The Hourly Ex Post Price will vary between Zones if Congestion is present... added ...for certain Exceptional Dispatches...	BEEP process will be replaced with SCED; Ex Post Price will not apply utilizing the Network Model; Exceptional dispatches are those that are out-side of normal market dispatches
Hourly Pre-Dispatch	New Term	Defines the pre-dispatch process prior to Real-Time – referred to in section 31
Imbalance Energy	Deleted ...Replacement Reserve... added ...Dispatchable	Replacement Reserve in no longer an Ancillary Service; Clarifies energy from real-time loads are dispatchable
Inactive Zone	Deleted	Inactive Zones will no longer be used in a the market design
Instructed Imbalance Energy	Modified added ...Dispatchable...load, Struck...Replacement Reserve...	Replacement Reserve is no longer an Ancillary Service
Inter-Zonal Congestion	Deleted	Inter-Zonal Congestion no longer applies
Inter-Zonal Interface	Deleted	Inter-Zonal Congestion no longer applies
Intra-Zonal Congestion	Deleted	Intra-Zonal Congestion no longer applies
Load Aggregation Point	New Term	Defines network node that will be used in scheduling and settlements – referred to in section 31
Load Distribution Factor (LDF)	New Term	Defines the relative amount of load at each zone – referred to in section 31
Load Serving Entity (LSE)	New Term	Defines the entity that serve End Users – referred to in section 31
Load Zone	New Term	Defines an area within the ISO Control Area that have been defined by the ISO – referred to in section 31
Location	New Term	Defines generic term for various pricing points in the market
Locational Marginal Price	New Term	Defines the marginal cost of energy at a particular location of produce by the Network Model – referred to in section 31
Loss Scale Factor	Deleted	Loss Scale Factor was used in the calculation of GMMs
Marginal Loss Factor	Deleted	Marginal Loss Factor was used in the calculation of GMMs
Marginal Proxy Clearing Price	Deleted	Refers to section 2.5.23.3.1.1 has been deleted
Meter Distribution Factors	New Term	Used in reference with load aggregation in Section 31
Must Offer Generation	Deleted	Changed the term Capacity Resources

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### Summary of Tariff Changes for Market Redesign Other than FTRs and Capacity Resources

Tariff Section (s)	Status	Reason for Change
Net Negative Uninstructed Deviation	Modified – Replaced ...BEEP... with ...Dispatch...	BEEP process will be replaced by SCED
Network Service Rights	New Term	Defines multipoint to multipoint rights
New Firm Use	New Term	Defines the amount of transmission remaining after appointing ETC and allocating FTRs – referred to in section 9 and 31
Non-Emergency Clearing Price	Deleted	Part of the price mitigation language that has been struck
Non-Emergency Clearing Price Limit	Deleted	Part of the price mitigation language that has been struck
Non-PX Generation	Deleted	Clean-up PX no long exists
Non-PX Load	Deleted	Clean-up PX no long exists
(OASIS) Open Access Same Time Information System	New Term	Defines the program used to communicate public information
Participating Load	Struck ...providing Curtailable Demand which...added ...that... and ...in regard to Load...	Reference to Curtailable Demand is to limiting
Pathway	New Term	Defines a network branch or branch group
PMS (Power Management System)	Deleted	Same as the definition for EMS (Energy Management System)
Point-to-Point Rights	New Term	Describes the FTR power transfer from Source to Sink – referred to in section 9
Power Flow Model	Modified – added...network model used by ISO's network applications (e.g. SCUC, SCED)... Added ...and external systems... deleted ...and determine the expected Transmission Losses and Generation Meter Multipliers	Clarified definition of Power Flow Model; GMMs will no longer apply
Power Transfer Distribution Factor	New Term	Describes the portion of energy that flow on any given network branch - -- referred to in section 31
Preferred Schedule	Modified – struck ... details of any Adjustment Bids..., replaced ...will... provide balanced schedules to ...may...	Adjustment bids will no longer be used; balanced schedules are not required
Price Mitigation Reserve Deficiency	Deleted	Part of the price mitigation language that has been struck
Price Overlap	Modified – Replaced ...BEEP... with...Dispatch...	BEEP will be replaced by SCED
Price Taker	New Term	Describes a supply or demand schedule without associated energy bid – referred to in section 31
Proxy Price	Deleted	Part of the price mitigation language that has been struck
PX (Power Exchange)	Deleted	Clean-up PX no long exists

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### Summary of Tariff Changes for Market Redesign Other than FTRs and Capacity Resources

Tariff Section (s)	Status	Reason for Change
PX Auction Activity Rules	Deleted	Clean-up PX no long exists
PX Participant	Deleted	Clean-up PX no long exists
PX Protocol	Deleted	Clean-up PX no long exists
PX Tariff	Deleted	Clean-up PX no long exists
Replacement Reserve	Deleted	Replacement Reserve will no longer be an Ancillary Service
Revised Schedule	Deleted	Revised Schedules will not apply
Scaled Marginal Loss Rate	Deleted	Used in the GMM calculation
Schedule	Added ...Scheduling Point... deleted ...Transmission Losses... Added ...or procured by the ISO... deleted ...suggested Adjusted Schedules... and ...Revised Schedules...	Clarifies schedules can be submitted from Scheduling Points; Transmission Losses will no longer be schedule; Adjusted and Revised Schedules no longer applies
Scheduling Distribution Factors	New Term	Used in reference with load aggregation in Section 31
Security Constrained Economic Dispatch (SCED)	New Term	The program used by the ISO to dispatch real-time energy
Security Constrained Unit Commitment (SCUC)	New Term	The Program used to commit resources, Energy and Ancillary Services – referred to in section 31
Secondary Registration System	New Term	The system where entities record FTR Secondary market transactions – referred to in section 9
Sink	New Term	Describes the location where Energy is delivered – referred to in section 9 and 31
Source	New Term	Describes the point of delivery of energy – referred to in section 9 and 31
Standard Aggregation	New Term	Used in reference with load aggregation in Section 31
Start-Up Fuel Cost Charge	Deleted	Relevant sections have been deleted
Start-Up Fuel Cost Demand	Deleted	Relevant sections have been deleted
Start-Up Fuel Invoice	Deleted	Relevant sections have been deleted
Start-Up Fuel Cost Trust Account	Deleted	Relevant sections have been deleted
Start-Up Fuel Cost	Deleted	Relevant sections have been deleted
State Estimator	New Term	Describes the system that measures the characteristics of the power system network – referred to in section 31
Suggested Adjusted Schedule	Deleted	Adjusted Schedules will no longer apply
Supplemental Energy	Redefined	Supplemental energy will be the unused energy after the Hour-Ahead market, specific Supplemental Energy bids will no longer apply

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### Summary of Tariff Changes for Market Redesign Other than FTRs and Capacity Resources

Tariff Section (s)	Status	Reason for Change
Supply	Re-defined	Describes Generation or Import – referred to in section 31
Trading Hub	New Term	Describes A standard aggregation of network nodes defined by the ISO – referred to in section 31
Unaccounted for Energy (UFE)	Modified – struck reference to 7.2.4	Reference has been deleted
Universal Node Identifier (UNI)	New Term	Defines a unique identification code defined by each UDC – referred to in section 31
Usage Charge	Deleted	Usage Charge will not apply in the new design
Warning Notice	Struck ...Replacement Reserve...	Replacement Reserve is not an Ancillary Service
Wenet (Western Energy Network)	Struck ...public...	Wenet is used only for SC specific communication. OASIS is used of public communication
Winter Clearing Price Limit	Deleted	Part of the price mitigation language that has been struck
Zone	Deleted	Zone will not apply using a Network Model
Appendix B		No changes
Appendix C	Replace Table	Reflects updated timelines and procedures from new market design
Appendix D		No changes
Appendix E		No changes
Appendix F	Added ... including the capacity selected by the ISO in RUC for which an SC receives a capacity payment...	Reflects the MW quantity for RUC capacity that has not been loaded
Appendix G		No changes
Appendix H	Replaced Defined term ...Transfer... with ...Transmission...	Redefined term
Appendix I	Deleted	Duplicative of other provisions and does not reflect updated terminology in new congestion management approach
Appendix J		No Change
Appendix K	New Appendix	Describes Locational Marginal Pricing
Appendix L		
Ancillary Service Requirement Protocol		
ASRP 3.1	Modified section to remove ...Replacement Reserve...	A/S Obligations
ASRP 3.2	Modified section to Struck Zone	Right to Self-provide
ASRP 4.1.2	Modified section to change ...aggregate scheduled Demand... to ...ISO	Determination of Regulation Quantity Needed

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### Summary of Tariff Changes for Market Redesign Other than FTRs and Capacity Resources

Tariff Section (s)	Status	Reason for Change
	forecasted Demand...	
ASRP 4.1.4	Replaced "WEnet" to "OASIS"	Publication of Estimated Percentage for Day-Ahead Market -- need to make sure SP 3.2.1 is consistent.
ASRP 4.2.1(b)	Replaced...its bid... to "in the ISO Master File and updated based on testing or actual performance"	Operating characteristics of a generating unit
ASRP 4.3	Deleted references to "Zone"	SC's Obligation for Regulation
ASRP 5	Struck specific language to MORC criteria i.e 5% hydro, 7% thermal	In anticipation of changing MORC requirements
ASRP 5.1.1	Not Used	Redundant - Specified in MORC Requirements
ASRP 5.2	Added phrase "or purchase from the ISO"	Standard for Non-spinning Reserve
ASRP 5.5.1	Deleted references to "Zone"	Obligation for Spinning and Non-Spinning Reserve
ASRP 6.1	DELETED	Standard for Replacement Reserve: Quantity
ASRP 6.1.1	DELETED	Basis for Standard (Replacement Reserve)
ASRP 6.1.2	DELETED	Replacement Reserve Requirements
ASRP 6.2	DELETED	Standard for Replacement Reserve: Performance
ASRP 6.2.1	DELETED	Replacement Reserve Supply Capability
ASRP 6.2.2	DELETED	Replacement Reserve Availability
ASRP 6.2.3	DELETED	Resource already providing A/S (in addition to RR)
ASRP 6.3	DELETED	SC's Obligation for Replacement Reserve
ASRP 6.4	DELETED	Standard for Replacement Reserve: Control
ASRP 6.5	DELETED	Standard for Replacement Reserve: Procurement
ASRP 6.5.1	DELETED	Procurement of Non self-provided RR
ASRP 6.5.2	DELETED	Procurement Not Limited to ISO Control Area
ASRP 6.5.3	DELETED	Self-provision of RR
ASRP 6.5.4	DELETED	Certification and testing Requirements (for RR)
ASRP 9.2	Capitalized I in Dispatch instruction	Dispatch Instruction is a defined term
ASRP 9.3.1	Capitalized I in Dispatch instruction	Dispatch Instruction is a defined term
ASRP 9.3.2	Replaced Curtailable Demand with Dispatchable Load	Modified the definition – Dispatchable load is more appropriate
ASRP 9.4	DELETED	Related to Replacement Reserve
ASRP 9.4.1	DELETED	Related to Replacement Reserve
ASRP 9.4.2	DELETED	Related to Replacement Reserve
ASRP 9.5.1	Capitalized I in Dispatch instruction	Dispatch Instruction is a defined term
ASRP 9.5.2	Capitalized I in Dispatch instruction	Dispatch Instruction is a defined term

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### Summary of Tariff Changes for Market Redesign Other than FTRs and Capacity Resources

Tariff Section (s)	Status	Reason for Change
ASRP 9.6	Capitalized I in Dispatch instruction	Dispatch Instruction is a defined term
ASRP 10.4	DELETED	Performance Audit for RR
Ancillary Service Requirement Protocol Appendices		
Appendix D	Deleted	Replacement Reserve is no longer a Ancillary Service
Demand Forecast Protocol		
DFP 1.2.2	Deletes definition of congestion zone and corrects cite to ISO home page	Consistent with new congestion management approach and terminology
DFP 2.1	Replaces "congestion zone" with "Location"	Consistent with new congestion management approach and terminology
DFP 3.1	Changes from "congestion zones" to "Locations".	Consistent with new congestion management approach and terminology
DFP 4.1	Changes "Congestion Zone" to "Location"	Consistent with new congestion management approach and terminology
Dispatch Protocol		
DP 1.1 (d)	"Deleted ...received by the ISO in accordance with SBP..."	Supplemental energy bid will be unused bids remaining after the completion of the Hour-Ahead market
DP1.2.2	Deleted the definition of "BEEP"	BEEP replaced by SCED.
DP1.2.2	Inserted the definition of "SCED"	BEEP replaced by SCED.
DP 1.3.1	Added new sub-item (d) Participating Loads	Participating Load can be dispatched in the real-time market
DP3.1 (c)	Deleted reference to an Ancillary Services "auction" and referred to "procurement during the ISO markets"	ISO no longer conducts separate, sequential A/S auctions but procures A/S simultaneously with Energy in the DA and HA markets. ISO can also procure A/S in real time from unloaded capacity by paying real-time opportunity cost.
DP3.2	Added description of Supplemental energy bids as described in section 31.4.1.2, deleted reference to timeline	ISO no longer has "Supplemental" Energy Bids" per se. Bids for RT Imbalance Energy Dispatch are unused HA Energy bids.
DP 3.4.2	DP 3.4.2 refers to DP 3.9 – which is not used; corrected typo	Deleted redundant information and unused reference
DP 3.4.4	Added reference to Uninstruced Deviations Penalties section 11.2.4.1.2	Uninstruced Deviation Penalties are a consequence of inadequate response of failure to respond
DP 4.4	Indicates Dispatched Energy will be deemed delivered and settled per 31.4.3.3 and 31.4.3.4	Added reference to where Imbalance Energy Settlement is described in new Section 31.
DP 5.2.1	Changed this section to add Final Energy and A/S schedule information to the Congestion information that SI cannot provide if WEnet fails.	Clarified description of what the ISO cannot provide if WEnet fails.

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### Summary of Tariff Changes for Market Redesign Other than FTRs and Capacity Resources

Tariff Section (s)	Status	Reason for Change
DP 5.2.2 (b)	Replaces "Balanced" with "Final Energy" schedules	Balanced schedule are no longer requirement.
DP 5.3.1	Replaced Wenet with OASIS or other means	OASIS has replaced Wenet for public communications
DP 5.3.2	Replaced Wenet with OASIS or other means	OASIS has replaced Wenet for public communications
DP 5.4.1	Replaced Wenet with OASIS or other means	OASIS has replaced Wenet for public communications
DP 5.4.2	Replaced Wenet with OASIS or other means	OASIS has replaced Wenet for public communications
DP 5.4.3	Replaced Wenet with OASIS or other means	OASIS has replaced Wenet for public communications
DP 5.5.1	Replaced Wenet with OASIS or other means	OASIS has replaced Wenet for public communications
DP 5.5.2	Replaced Wenet with OASIS or other means	OASIS has replaced Wenet for public communications
DP 5.6.1	Replaced Wenet with OASIS or other means	OASIS has replaced Wenet for public communications
DP 5.6.2	Replaced Wenet with OASIS or other means	OASIS has replaced Wenet for public communications
DP 5.7.1	Replaced Wenet with OASIS or other means	OASIS has replaced Wenet for public communications
DP 5.7.2	Replaced Wenet with OASIS or other means	OASIS has replaced Wenet for public communications
DP 5.7.3	Replaced Wenet with OASIS or other means	OASIS has replaced Wenet for public communications
DP 5.8	Replace Wenet with ISO Home Page	ISO Home Page has Replaced Wenet for publication of Procedures
DP 6.9	Replaced ...Security... with ...Regional Reliability... Replaced ...Area... with ...Mexico Reliability Center...	Updated with Current Definition of Security Coordinator
DP 6.1	Replaced Security with Regional Reliability	Updated with Current Definition of Security Coordinator
DP 6.9.2	Replaced Security with Regional Reliability	Updated with Current Definition of Security Coordinator
DP 7.1 (a)	Deleted language to check if each SC has sufficient A/S	ISO will verify system requirement through the market process
DP 7.1 (b)	Replaced language re: Supplemental Energy Bids with language indicating the ISO will review "available Energy bids that will be used in the Real-Time Imbalance Energy Market"	Supplemental energy bid will be unused bids remaining after the completion of the Hour-Ahead market
DP 7.1 (d)	Added language indicating the ISO will perform the Hourly Pre-Dispatch set forth in 31.4.2	Hourly Pre-Dispatch in a new function in the market design
DP 7.3	Deleted description of Supplemental Energy Bids.	Supplemental energy bid will be unused bids remaining after the completion of the Hour-Ahead market
DP 7.4	Deleted description of intra-zonal congestion management	Congestion managed in a Network Model , not by a zonal model
New DP 7.5	Added new DP 7.5 to indicate that bids from System Resources can be withdrawn at any time except after they are Dispatched.	System Resources can withdraw bids in accordance with section 13.4.1.2
DP 8.1.1	Added System Units, changed "Curtable Demand" to "Dispatchable Load" and changed "Interconnection schedules" to "System Resources".	System Units are eligible for real-time dispatch; Dispatchable Load is more appropriate and incorporates Curtable Demand; System Resources incorporated Interconnection Schedules

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### Summary of Tariff Changes for Market Redesign Other than FTRs and Capacity Resources

Tariff Section (s)	Status	Reason for Change
DP 8.1.2	Changed "Utilization of BEEP" to Utilization of Security Constrained Economic Dispatch"	BEEP will be replaced with SCED
DP 8.1.3	Added new section authorizing Exceptional Dispatches	Exceptional Dispatches are outside of normal operation
DP 8.2	Deleted "inter-zonal" and "Intra-zonal", replaced BEEP with SCED, replaced "Adjustment Bids" with "unused Energy Bids"; replaced "which" with "that"	Inter and intra-zonal are no longer used ; BEEP will be replaced by SCED; Adjustment bids will no apply ; clean-up language
DP 8.3	Described new Congestion Management, Replaced Curtailable Demand with Dispatchable Load	Description of SCED; Dipatchable Load is more appropriate and incorporates Curtailable Demand
DP 8.3.1	Not Used - Deleted Section on Treatment by Zone	Zones are no longer used .
DP 8.3.2	Deleted Section on the Selection of the Generating Unit to Increase Generation or Reduce Demand	Section is replaced by section 31.4.3.2.3
DP 8.3.3	Deleted Section on Selection of Generating Unit to Reduce Generation.	Section is replaced by section 31.4.3.2.3
DP 8.4	Deleted Section on Intra-Zonal Congestion	Section is replaced by section 31.4.3.2.3
DP 8.5	Added language to indicated ISO will use default Energy Bids in SCED to manage congestion if bids are insufficient; Refers to 31.4.3.2.3.2.	Default Energy Bids will be used in the event insufficient bids are submitted
DP 8.6.1	Added System Units, replaced "Curtailable Demand" with "Dispatchable Load" and replaced "Interconnection schedules" with "System Resources." Also inserted requirement to procure additional A/S in real-time and reference to Section 31.4.4., Replaced ...arranged... with ...procured..., Replaced ...balancing... with ...lmbalance...	System Units are eligible for real-time dispatch; Dipatchable Load is more appropriate and incorporates Curtailable Demand; System Resources incorporated Interconnecton Schedules; Authority to procure additional A/S in real-time if necessary; Ancillary Services will be procured; clarifying the type of energy in real-time
DP 8.6.2	Replaced BEEP with SCED, deleted reference to bids in BEEP; sub-Item (b) – deleted "Inter-zonal"; sub-item (c) Replaced ...midpoint... with ...Dispatch operating point... sub-item (e) added real-time, referenced section 2.5.3.4; Deleted Item (f) on Intra-zonal congestion.	BEEP will be replaced with SCED; Inter and Intra-Zonal congestion will no longer apply; Clarifies description of Regulation unit operation; clarifies timeline of procurement of Voltage Support
DP 8.6.3	Added System Units, replaced "Curtailable Demand" with "Dispatchable Load" and replaced "Interconnection schedules" with "System Resources."	System Units are eligible for real-time dispatch; Dipatchable Load is more appropriate and incorporates Curtailable Demand; System Resources incorporated Interconnecton Schedules
DP 8.6.3 (a)	Replaced dispatchable Interconnection schedule with System Resources	System Resources incorporated Interconnecton Schedules
DP 8.6.3 (b)	Added System Units, replaced "Curtailable Demand" with "Dispatchable Load" and replaced "Interconnection schedules" with "System Resources."; replaced "BEEP Interval" with "Dispatch Interval"; deleted Replacement Reserve.	System Units are eligible for real-time dispatch; Dipatchable Load is more appropriate and incorporates Curtailable Demand; System Resources incorporated Interconnecton Schedules; BEEP will be replaced with SCED; Replacement Reserve is no longer an Ancillary Service
DP 8.6.3 (c)	Added System Units, replaced "Curtailable Demand" with "Dispatchable Load" and replaced "Interconnection schedules" with "System Resources.";	System Units are eligible for real-time dispatch; Dipatchable Load is more appropriate and incorporates Curtailable Demand; System Resources incorporated

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### Summary of Tariff Changes for Market Redesign Other than FTRs and Capacity Resources

Tariff Section (s)	Status	Reason for Change
	replaced "BEEP Interval" with "Dispatch Interval"; added "at least cost".	Interconnecton Schedules; BEEP will be replaced with SCED; Clarifies procurement process
DP 8.6.3 (d)	Deleted (d) reference to merit order stack and BEEP	BEEP will be replaced with SCED
DP 8.6.3 (e)	Replace "price" with "Bids"; added "transmission and ramp rate constraints"; Added System Units, replaced "Curtaillable Demand" with "Dispatchable Load" and replaced "Interconnection schedules" with "System Resources."; replaced "BEEP Interval" with "Dispatch Interval"; added "at least cost".	Clarified the SCED selection of resources in real-time; System Units are eligible for real-time dispatch; Dipatchable Load is more appropriate and incorporates Curtaillable Demand; System Resources incorporated Interconnecton Schedules
DP 8.6.3 (f)	Added system Resources Replaced Curtaillable Demand with Dispatchable Load, Replaced Interconnection schedules with System Resources	System Units are eligible for real-time dispatch; Dipatchable Load is more appropriate and incorporates Curtaillable Demand; System Resources incorporated Interconnecton Schedules
DP 8.6.3 (h)	Deleted 8.6.3 (h).	Referenced BEEP process that is no longer used
DP 8.6.3 (i)	Indicated ramp rates will be used from Master File and as part of at bid; replaced "BEEP Interval" with "Dispatch Interval"; replaced "BEEP" with "SCED"; Added phrase "Dispatched and thereby"	SCED system will utilize ramp rates from the Master File; BEEP will be replaced with SCED; Clean-up on language
DP 8.6.3 (j)	Replaced description of pre-dispatching ties with Hourly Pre-Dispatch. Substituted new terms.	Hourly Pre-Dispatch is a new function in the market; System Resources incorporated Interconnecton Schedules
DP 8.6.3 (K)	Replaced sub-item – reflects advanced notification of within hour dispatch to accommodate start-up time and allow resources that have been dispatched in the previous hour and are still economic	Clarifies advanced notification for the Real-Time Settlement Period
DP 8.7.1 (b)	Deletes "in merit order of Energy bid prices as determined by the EMS" to add more detail, strike any reference to cost.	Clarifies the utilization of Regulation
DP 8.7.1 (c)	Delete Replacement Reserve,	Replacement Reserve is no longer an Ancillary Service
DP 8.7.2 (a)	Replaced in sub-item (iii) balancing with Imbalance, Replaced in sub-item (iv) replaced reference to merit order in BEEP with as determined by SCED	BEEP will be replaced with SCED
DP 8.7.2 (b)	Replaced in sub-item (iii) reference to merit order in BEEP with as determined by SCED, Replaced in sub-item (iv) balancing with Imbalance	BEEP will be replaced with SCED
DP 8.7.3	Deletes entire section on Replacement Reserve.	Replacement Reserve is no longer an Ancillary Service
DP 8.7.4 (a)	Deleted this section (a) which refers to using Replacement Reserve to restore Operating Reserve.	Replacement Reserve is no longer an Ancillary Service
DP 8.7.4 (b)	Replaced ... balancing...with ...Imbalance...	Clarifying type of Real-Time energy using a defined term
DP 8.7.4 (d)	Added language indicating the to elimination of the Price Overlap subject to transmission constraints	Clarifies the replacement of Operating Reserves through the SCED process
DP 8.7.4 (e)	Deleted - ISO does not have to replace Replacement Reserve used to	Replacement Reserve is no longer an Ancillary Service

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### Summary of Tariff Changes for Market Redesign Other than FTRs and Capacity Resources

Tariff Section (s)	Status	Reason for Change
	restore operating reserve.	
DP 8.7.5 (c)	Inserted reference to Section 2.5.18 for compensating Voltage Support outside power factor band.	Provided reference to compensation for Voltage Support
DP 8.7.5 (d)	Added Language for where ISO will determine what units to back down for additional voltage support using SCED.	Clarifies Process for Obtaining Voltage Support
DP 9.1.1 (f)	Struck reference to Replacement Reserve. Replaced Curtailable Demand with Dispatchable Load	Replacement Reserve is no longer an Ancillary Service; Dipatchable Load is more appropriate and incorporates Curtailable Demand
DP 9.2.1	Added "binding commitment" and reference to new such language in 2.3.1.2.1; also extends this commitment to System Resources.	Added reference to IWG language in section 2.3.1.2.1
DP 9.3 (b)	Replaced ...Congestion Management... with ...managing Congestion... Corrected in sub-item (b)(ii) replacement to replacing	Clarified language
DP 9.3 (c)	Replaced Curtailable Demand with Dispatchable Load, Replaced Interconnection schedules with System Resources	Dipatchable Load is more appropriate and incorporates Curtailable Demand
DP 9.5.1	Added System Unit; Replaced ...Curtailable Demand... with ...Dispatchable Load... Replaced ...Interconnection Schedule... with ...System Resource... other minor edits.	System Units are eligible for real-time dispatch; Dipatchable Load is more appropriate and incorporates Curtailable Demand; System Resources incorporated Interconnecton Schedules; clean-up
DP 9.5.1 (b)	Deleted ...be eligible... Replaced Hourly Ex-Post Price with Dispatch Interval LMP	Hourly Ex Post Price will not apply using Network Model model; clean-up language
DP 9.5.2	Replaced Curtailable Demand with Dispatchable Load	Dipatchable Load is more appropriate and incorporates Curtailable Demand
DP 10.1.2	Struck Replacement Reserve;"	Replacement Reserve is no longer an Ancillary Service
DP 10.1.3	"Curtailable Demand" -> "Dispatchable Load"	Dipatchable Load is more appropriate and incorporates Curtailable Demand
DP 10.2.3	Deleted reference to intervention in Market Operations	Repeated in section 2.3.2.3.2
DP 10.4.2	Replaced ...Market Clearing Prices... with ...Locational Marginal Prices... Struck Replacement Reserve; Replaced ...Curtailable Demand... with ...Dispatchable Load...	Market Clearing Price will no longer apply using a Network Model model; Replacement Reserve is no longer an Ancillary Service; Dipatchable Load is more appropriate and incorporates Curtailable Demand
DP 11	Replaced...Curtailable Demand... with ...Dispatchable Load...	Dipatchable Load is more appropriate and incorporates Curtailable Demand
DP 12	Replaced Wenet with OASIS	OASIS has replaced Wenet for public communications
DP-A	New Appendix	Describes Hourly Pre-Dispatch
Market Monitoring and Information Protocol Appendix A		
MMIP Appendix A 1.1	Deleted Real Time	Changed to apply to all ISO Markets

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### Summary of Tariff Changes for Market Redesign Other than FTRs and Capacity Resources

Tariff Section (s)	Status	Reason for Change
MMIP Appendix A 2.1	Changed to Day-Ahead...Market... deleted ...when these markets are in place... Added Dispatch Interval Locational Marginal Price... deleted BEEP Interval Ex Post Price...Added Dispatch...deleted BEEP...added ...Dispatch Interval Locational Marginal Price ...deleted six BEEP Interval Ex Post Prices	Changed to remove the use of BEEP and to use the LMP, Clarify language to use defined terms
MMIP Appendix A 2.4.1 (1)	Changed Dispatch Instruction	Changed to use defined term
MMIP Appendix A 2.4.1(3)	Changed transmission to network	Clarification of term
MMIP Appendix A 3.1.1.1(a)	Changed defined	Correction
MMIP Appendix A 3.1.1.1(a) 2.1	Added...hours where the Day Ahead ISO Demand Forecast is less then or equal to 40,000 MW and the unit was Dispatched or Scheduled at least cost ...added monthly ...added monthly	Clarify Reference Levels and added a time frame for the proxy figure
MMIP Appendix A 3.1.1.1 (a) 4	Added... where the Day-Ahead ISO Demand Forecast is less then or equal to 40,000 MW and ... added at least cost	Clarify Reference Level
MMIP Appendix A 3.1.1.1 (a) 5. (b)	Changed (b) to (a)	Changed reference
MMIP Appendix A 4.2.2(b) and (c) and (d) and (e) and (f)	Added LMPs ...these...processes...ISO Day-Ahead ...Markets...deleted ...markets when these markets are made operational...added... reinstated to their original values and...LMP...subject to a default biid in the real time market ...simple average of the Dispatch Interval Locational Marginal Price for each hour...that are dispatched in the ISO Real-Time Market...the Dispatch Interval Locational Marginal Prices. Default bids by importers that are dispatched in the ISO Day-Ahead and Hour-Ahead Energy Markets may establish LMPs in those markets... Day-Ahead...Demand ...deleted ...load...added at least cost...deleted ...in economic merit order...	MCPs will not be used, LMPs will be in affect; clarified language by using defined terms; describe the use of default bids; describes what will be excluded from the computation of the Reference Levels.
MMIP Appendix A 4.3	Changed to Dispatch Instruction	Changed to use defined term
Outage Coordination Protocol		
OCP 3.1.2	Added requirement that on the first day of every month the Participating TO shall provide an update of any known changes to any previously planned Maintenance Outages and additional Outages anticipated over the next two months	ISO and Market Participants need timely, updated outage information to support monthly auctions of FTRs
Schedules and Bid Protocol		

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### Summary of Tariff Changes for Market Redesign Other than FTRs and Capacity Resources

Tariff Section (s)	Status	Reason for Change
Table of Contents	Conformed to section headings in text	Conformed to text
SBP 1.1	Change "auction" to "procurement"; added to sub-item (a) ...and bidding...	AS procurement integrated with Energy market
SBP 1.2.2	Add definition of "Bid"; Add language regarding Physical Scheduling Plants and System Units	Definition is in reference to the New Energy market; clarification of language to be used throughout the SBP
SBP 2.1	Delete "Adjustment"; Change "bid" to "Bids"	Adjustment process will no longer be used; defined the term Bids;
SBP 2.1.1	Delete "Balanced" and "Adjustment"; Insert "or Bid"	Schedules need not be balanced. Adjustment Bids replaced with Energy Bids; Bid clarifies the intent of the protocol
SBP 2.1.1 (c)	Insert "or Bid";	Bid clarifies the intent of the protocol
SBP 2.1.1 (d)	Delete "(d) type of Schedule:	Revised schedules are eliminated
SBP 2.1.1 (e) and (f)	Deleted	Contract information will be provided in Contract Usage Template instead of Generation template
SBP 2.1.1(g),	Delete Congestion Management flag	All Schedules and Bids are subject to adjustment in congestion management
SBP 2.1.1 (h)	Delete flag to publish Adjustment Bid	All adjustments to Schedules and Bids occur in ISO's congestion management
SBP 2.1.1 (i)	Delete Generating Unit ramp rate	Ramp rate will be a default data requirement, not in bid data
SBP 2.1.1 (j) re-numbered to (d)	In "hourly Generating Unit output" item; add "within the range of the Energy Bid"; delete use of Generation Meter Multipliers; add "for use in scheduling Existing Contracts or Firm Transmission Rights"; and delete "and".	Clarify use of scheduled output field; losses will be reflected in Energy price instead of GMMs; clarify use of scheduled output field, and; reflect addition of data items.
SBP 2.1.1 (k) re-numbered to (e)	Replace "the" with "Energy Bid, consisting of"; delete "Adjustment"; and replace "consistent with SBP 4" with "stated as a staircase function...".	Adjustment Bids are being replaced with Energy Bids. Description of bid is moved from SBP 4 since SBP 4 is deleted; clarifies the characteristic of a bid
SBP 2.1.1 new sub-items (f), (g), and (h)	Add new sub-item (f) data items for start-up cost; Added new sub-item (g) minimum load cost; added new sub-item (h) flags for indicating bid use in RUC; Added sub-item	Added new sub-item and use of Bid in RUC process
SBP 2.1.2	Delete "Balanced" and "Adjustment"; Insert "or Bid	Schedules need not be balanced. Adjustment Bids replaced with Energy Bids; Bid clarifies the intent of the protocol
SBP 2.1.2 (c)	Change "Demand ID" to "Location Code", change "Demand Zone" to "Load Zone", delete "Load group, and add "Customer Aggregation"	Updated terminology, and new option for using Customer Aggregation
SBP 2.1.2 (d)	Delete "(d) type of Schedule:..."	Revised schedules are eliminated
SBP 2.1.2 (e)	Delete "(e) hourly scheduled MWh..." associated with Existing Contracts	Contract information will be provided in Contract Usage Template instead of Demand template
SBP 2.1.2 (f)	Delete Congestion Management flag	All Schedules and Bids are subject to adjustment in congestion management
SBP 2.1.2 (g)	Delete flag to publish Adjustment Bid	All adjustments to Schedules and Bids occur in ISO's congestion management
SBP 2.1.2 (h) re-named to	In "hourly scheduled MWh" item, add "within the range of the Energy Bid".	Clarify use of scheduled Load field.

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### Summary of Tariff Changes for Market Redesign Other than FTRs and Capacity Resources

Tariff Section (s)	Status	Reason for Change
sub-item (d)		
SBP 2.1.2 (i) re-numbered to (e)	Replace “the” with “Energy Bid, consisting of”; change “Dispatchable Load” to “Load”; delete “Adjustment”; replace “consistent with SBP 4” with “as provided in Section 31.2.3.2.3.4.4.3 of the ISO Tariff, stated as a staircase function ...”.	Adjustment Bids are being replaced with Energy Bids. Description of bid is moved from SBP 4 since SBP 4 is deleted, and reference to Section 31.2.3.2.3.4.4.3 is added for reference to tariff requirements; clarifies the characteristic of a bid
SBP 2.1.2 (f)	Add sub-items for minimum curtailment payment	Added new sub-item and use of Bid in RUC process
SBP 2.1.2 (g)	Add sub-items for minimum hourly payment	Added new sub-item and use of Bid in RUC process
SBP 2.1.2 (h)	Add sub-items for time required for curtailment	Added new sub-item and use of Bid in RUC process
SBP 2.1.2 (i)	Add sub-items for, minimum off time	Added new sub-item and use of Bid in RUC process
SBP 2.1.2 (j)	Add sub-items for maximum off time	Added new sub-item and use of Bid in RUC process
SBP 2.1.2 (k)	Add sub-items for flag indicating that a Participating Load bid is available for intra-hour redispatch	Added new sub-item and use of Bid in RUC process
SBP 2.1.2 (l)	Add sub-items for flag for use of Bid in RUC process.	Added new sub-item and use of Bid in RUC process
SBP 2.1.2 (j)	Delete “requisite NERC tagging data”.	NERC tagging data will not be used in Demand Bid
SBP 2.1.3	Delete “Balanced” and “Adjustment”; Insert “or Bid”	Schedules need not be balanced. Adjustment Bids replaced with Energy Bids; Bid clarifies the intent of the protocol
SBP 2.1.3 (d)	Delete “(d) type of Schedule: ..”	Revised schedules are eliminated
SBP 2.1.3 (h), (i)	Delete “(h) priority type ...” and (i) contract reference number ...”	Contract information will be provided in Contract Usage Template instead of Import/Export template
SBP 2.1.3 (l)	Delete Congestion Management flag	All Schedules and Bids are subject to adjustment in congestion management
SBP 2.1.3 (m)	Delete flag to publish Adjustment Bid	All adjustments to Schedules and Bids occur in ISO’s congestion management
SBP 2.1.3 (o) re-numbered to (l)	In “hourly scheduled external imports/exports” added “within the range of the Energy Bid; delete use of Generation Meter Multipliers; delete “and”.	Clarify use of scheduled imports/exports field; losses will be reflected in Energy price instead of GMMs; reflect addition of data items.
SBP 2.1.3 (p) re-numbered to (m)	Replace “the” with “Energy Bid, consisting of”; delete “Adjustment”; replace “consistent with SBP 4” with “stated as a staircase function ...”.	Adjustment Bids are being replaced with Energy Bids. Description of bid is moved from SBP 4 since SBP 4 is deleted; clarifies the characteristic of a bid
SBP 2.1.3 (n)	Add ramp rate	Ramp rate is merged here from description of Supplemental Energy bids formerly in SBP 6
SBP 2.1.3 (o)	Add sub-item (0) for minimum block of hours that bid must be dispatched; Added sub-item (p) for flag indicating the bid is available for intra-hour redispatch; Added sub-item (q) for flag for use of Bid in RUC process.	Added new sub-item and use of Bid in RUC process
SBP 2.1.4	Delete “Balanced” in title; Deleted ...Internal imports/Exports...; Change “Zone in” to “Location Code or Trading Hub at”, and change “Trading Zone” to “Trading Point”; deleted reference to Usage Charge	Balanced Schedules are no longer required, Import/Exports are from external areas; Updated terminology; Usage Charge no longer Applies

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### Summary of Tariff Changes for Market Redesign Other than FTRs and Capacity Resources

Tariff Section (s)	Status	Reason for Change
SBP 2.1.4 (d)	Delete type of Schedules	Congestion management applies to all schedules and no longer uses iteration.
SBP 2.1.4 (e) re-numbered to (d)	Replaced ...Point Zone... with ...Hub or Location Code...	Zones are no longer applicable for inter-SC trades
SBP 2.1.4 (g) re-numbered to (f)	Added ...Energy received by... deleted ...internal imports into... added ...energy sent... deleted ...internal exports... Added ...and...	Clarifying language
SBP 2.1.4 (h) and (i)	Deleted Congestion Management flag; deleted publish Adjustment Bid flag	Adjustment bids are no longer used in the new market
SBP 2.1.4 (j) re-numbered to (g)	Added ...if applicable... Removed ...and...	Clarifying language
SBP 2.1.4 (k)	Delete MW and \$/MWh values	Inter-SC Trades no longer include Adjustment Bids
SBP 2.1.5	Delete "Balanced"; deleted Internal Imports/Exports in title; Change "Trading Zone in which" to "Location Code at which", and "Zone" to "Location Code"	Balanced Schedules are no longer required; Import/Exports are from external areas; Updated terminology
SBP 2.1.5 (d)	Replace ...Trading Zone... with ...Location Code...	Zones are no longer applicable for inter-SC A/S trades
SBP 2.1.5 (e)	Delete "Replacement Reserve (AREP)"	Replacement Reserve is no longer an Ancillary Service
SBP 2.1.6	Delete "Balanced" in title and text	Balanced Schedules are no longer required
SBP 2.1.6 (c) and (d)	Change "Zone" to "Location"	Updated terminology
SBP 2.1.6 (e)	Added ...Existing Contract or Firm Transmission Right... Deleted ...Inter-Zonal Interface... Delete provision for providing contract reference numbers for multiple Inter-Zonal interfaces	Inter-Zonal interfaces are discontinued, and each contract will be specified as Point-To-Point
SBP 2.1.6 (f)	Added ...Contract Right... Replaced ...Inter-Zonal Interface	Clarified Language
SBP 2.1.6 (g)	Specifying Sources and Sinks; Replace...Adjustment...with...Energy... deleted ...inter-SC trade imports	Defined terms Source and Sink; Adjustment Bids no longer Apply; Inter-SC Trades can not be a Source or Sink of a contract since trades are financial
SBP 2.1.6 (h)	Deleted ...Balanced... deleted ...Transmission...	Balanced Schedules are no longer required; Clarified a defined term
SBP 2.1.6 (i)	Insert requirement for Source and Sink to match the contract right	Provide accurate scheduling of contract rights
SBP 2.1.6 (i) (1), (2), (3), and (4)	Deleted Inter-SC trade references; Delete reference to Replacement Reserve (CRPLC)	Source and Sink is now required; Replacement Reserve is no longer an Ancillary Service
SBP 2.2	Delete "Balanced" in title and text; Add "and Bids" in title and text; Delete Adjustment Bids; Delete Supplemental Energy	Balanced Schedules are no longer required; Describes single Energy Bid for all purposes; Adjustment Bids no longer apply; Supplemental Energy is no longer a separate bid
SBP 2.2.1	Replaced ...inputted... with ...entered... Replaced ...location identification...with Location Code; delete reference to contract reference numbers; added ...ISO-instructed quantities; minor clean-up	Clean-up of language; Contract Reference numbers will no longer be used
SBP 2.2.2	Delete validation of Balanced Schedules; Delete use of Generation Meter Multipliers; Delete validation of Preferred Schedules and Revised Schedules	Balanced Schedules are no longer required; Losses are now incorporated in Network Model prices; Congestion management no longer uses iteration.

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### Summary of Tariff Changes for Market Redesign Other than FTRs and Capacity Resources

Tariff Section (s)	Status	Reason for Change
SBP 2.3 Schedule Feasibility	Add title "Schedule Feasibility"; Delete Balanced; Add "or Bid"; Delete Adjustment Bids, Delete "Likewise, Adjustment Bids submitted for a Generating Unit" and clarified language	Title was missing; Balanced Schedules are no longer required; Describes single Energy Bid for all purposes; Updated terminology
SBP 2.4 Default Data Requirements	Add entire section	Describe data requirements for Tariff Section 31.2.3.2.3.2
SBP 3.3.1 Data Requirements	Change "Zones in which" to "Location Codes for", Delete "indicated in Schedules using Adjustment Bids"	Updated terminology, Existing Contracts may no longer use Adjustment Bids
SBP 3.4	Deleted references to Inter-SC Trades	Inter-SC Trades can not be a Source or Sink of a contract since trades are financial
SBP 4 Adjustment Bids	Delete entire section (4, 4.1, 4.2, 4.3, 4.4, 4.5, 4.5.1,4.5.2, 4.6)	A single Energy Bid is used for all purposes, and is described in SBP 2
SBP 5.1 Content of Ancillary Services Schedules and Bids	Delete Replacement Reserve, Change "Curtailable Demand" to "Dispatchable Load", Capitalize "Bids", Change "auction" to "Market", Change "include a bid price for Energy in the form of a staircase function..." to "also provide an Energy Bid in the form described in SBP2", Delete reference to Revised Schedules	Replacement Reserve is no longer used, Updated terminology, New defined term, Ancillary Services are awarded simultaneously in Energy market, A single Energy Bid is used for all purposes, and is described in SBP 2, Congestion management no longer uses iteration.
SBP 5.1.1.1 Regulation: Generating Units or System Units	Change "participate in the ISO's Regulation auction" to "bid Regulation capacity"	Ancillary Services are awarded simultaneously in Energy market
SBP 5.1.1.1(a)	Delete reference to Revised bids	Congestion management no longer uses iteration.
SBP 5.1.1.1(g) and (h)	Delete operating limits and ramp rate as bid components	Operating limits and ramp rate are now static data described in SBP 2.4.
SBP 5.1.1.1(i) renumbered to (g)	Change "bid price for Regulation capacity (\$/MW)" to "bid price for Regulation capacity (\$/MW), stated separately for Regulation Up and Regulation Down"	Consolidate specification of data previously stated in body of Tariff
SBP 5.1.1.1(j)	Delete Energy bid price	A single Energy Bid is used for all purposes
SBP 5.1.1.2 Regulation: External Imports	Change "participate in the ISO's Regulation auction" to "bid Regulation capacity"	Ancillary Services are awarded simultaneously in Energy market
SBP 5.1.1.2(n)	Change "bid price for Regulation capacity (\$/MW)" to "bid price for Regulation capacity (\$/MW), stated separately for Regulation Up and Regulation Down"	Consolidate specification of data previously stated in body of Tariff
SBP 5.1.1.2(o)	Delete Regulation Energy bid price	A single Energy Bid is used for all purposes
SBP 5.1.2.1 Spinning Reserve: Generating Units or System Units	Change "participate in the ISO's Spinning Reserve auction" to "bid Spinning Reserve capacity"	Ancillary Services are awarded simultaneously in Energy market
SBP 5.1.2.1(a)	Delete reference to Revised bids	Congestion management no longer uses iteration.
SBP 5.1.2.1(f) and (h)	Delete operating limits and ramp rate as bid components	Operating limits and ramp rate are now static data described in SBP 2.4.
SBP 5.1.2.1(g) renumbered to	Change "Spinning Reserve capacity (MW)" to "Spinning Reserve capacity	Consolidate specification of data previously stated in body of Tariff

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### Summary of Tariff Changes for Market Redesign Other than FTRs and Capacity Resources

Tariff Section (s)	Status	Reason for Change
(f)	(MW) synchronized to the system, immediately responsive to system frequency, and available within ten (10) minutes and"	
SBP 5.1.2.1(h)	Add contingency flag capability	Reflect FERC-approved option in bid specification
SBP 5.1.2.1(j)	Delete Spinning Reserve Energy bid price	A single Energy Bid is used for all purposes
SBP 5.1.2.2 (a) Spinning Reserve: External Imports/ Exports	Delete reference to Revised bids	Congestion management no longer uses iteration.
SBP 5.1.2.2(i)	Allow value "Yes" in preferred bid flag	External imports may use preferred bid flag
SBP 5.1.2.2(l)	Change "Spinning Reserve capacity (MW)" to "Spinning Reserve capacity (MW) synchronized to the system, immediately responsive to system frequency, and available at the point of interchange with the ISO Control Area within ten (10) minutes of the ISO calling for the import"	Consolidate specification of data previously stated in body of Tariff
SBP 5.1.2.2(n)	Add contingency flag	Reflect FERC-approved option in bid specification
SBP 5.1.2.2(n)	Delete Spinning Reserve Energy bid price	A single Energy Bid is used for all purposes
SBP 5.1.3.1 Non-Spinning Reserve: Generating Units or System Units	Change "participate in the ISO's Non-Spinning Reserve auction" to "bid Non-Spinning Reserve capacity"	Ancillary Services are awarded simultaneously in Energy market
SBP 5.1.3.1(a)	Delete reference to Revised bids	Congestion management no longer uses iteration.
SBP 5.1.3.1(h) and (i) renumbered (j) to (h)	Delete operating limits and ramp rate as bid components	Operating limits and ramp rate are now static data described in SBP 2.4.
SBP 5.1.3.1(i)	Add contingency flag	Reflect FERC-approved option in bid specification
SBP 5.1.3.1	Delete Non Spinning Reserve Energy bid price	A single Energy Bid is used for all purposes
SBP 5.1.3.2 Non-Spinning Reserve: Dispatchable Load	Change "Curtaillable Demands" to "Dispatchable Loads", Change "participate in the ISO's Non-Spinning Reserve auction" to "bid Non-Spinning Reserve capacity"	Updated terminology, Ancillary Services are awarded simultaneously in Energy market
SBP 5.1.3.2(a)	Delete reference to Revised bids	Congestion management no longer uses iteration.
SBP 5.1.3.2(d)	Changed Curtaillable Demand to Dispatchable Load	Updated terminology
SBP 5.1.3.2(f) and (g)	Delete "maximum allocation curtailment duration" as bid component and time to interruption following notification	Equivalent "maximum off time" is provided with Energy Bid, described in SBP 2.1.3., clarify language
SBP 5.1.3.2(f)	Add "time to interrupt..."	Clarify language
SBP 5.1.3.2(i)	Add contingency flag	Reflect FERC-approved option in bid specification
SBP 5.1.3.2(j)	Delete Non Spinning Reserve Energy bid price	A single Energy Bid is used for all purposes

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### Summary of Tariff Changes for Market Redesign Other than FTRs and Capacity Resources

Tariff Section (s)	Status	Reason for Change
SBP 5.1.3.3 (a) Non-Spinning Reserve: External Imports/ Exports	Delete reference to Revised bids	Congestion management no longer uses iteration.
SBP 5.1.3.3(i)	Allow value "Yes" in preferred bid flag	External imports may use preferred bid flag
SBP 5.1.3.3(m)	Change "Non-Spinning Reserve capacity (MW)" to "Non-Spinning Reserve capacity (MW) available at the point of interchange with the ISO within ten (10) minutes of the ISO calling for the import"	Consolidate specification of data previously stated in body of Tariff
SBP 5.1.3.3(0) new	Insert Bid price for Non-Spinning Reserve capacity	Provide complete Bid data
SBP 5.1.3.3(p)	Add contingency flag	Reflect FERC-approved option in bid specification
SBP 5.1.3.3(o)	Delete Energy bid price	A single Energy Bid is used for all purposes
SBP 5.1.4 – 5.1.4.3	Not used	Replacement Reserve is no longer used
SBP 5.2.1	Delete Replacement Reserve, Change "Curtailed Demands" to "Dispatchable Loads"	Replacement Reserve is no longer used, Updated terminology
SBP 5.3	Not used	Buy back of Ancillary Services is addressed by Tariff Section 31.3.4.
SBP 6 - 6.4	Not used	A single Energy Bid is used for all purposes, and is described in SBP 2
SBP Appendix	Delete "in Schedules using Adjustment Bids"	Existing Contracts may no longer use Adjustment Bids
Scheduling Coordinator Application Protocol		No Changes
Scheduling Protocol		
SP 1.1	Add item (e) and (f)	Procure energy and commit resources items
SP 1.2.2	Not used	Special Definitions no longer used
SP 3(a)(i)	Modified to delete reference to delay of market to resolve inter-SC trades	Inter-SC trades no longer a constraint to closing the market
SP 3 ( c )	Modified to delete reference to Congestion management	Day-Ahead market is not only for congestion.
SP 3 ( d )	Modified to delete reference to Congestion management	Day-Ahead market is not only for congestion.
SP 3.1	Deleted ...Balanced...	Removal of Market Separation rule.
SP 3.1.1	Modified to indication that Existing Contract and Physical use of FTR must be a balanced schedules. Bi-lateral and Self-Committed schedules may be balanced	Indicate types of balanced schedules.
SP 3.1.2	Delete reference to balance schedule requirement.	Removal of Market Separation rule.
SP 3.1.3	Delete reference to balance schedule requirement. Modified schedules to	Removal of Market Separation rule.

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### Summary of Tariff Changes for Market Redesign Other than FTRs and Capacity Resources

Tariff Section (s)	Status	Reason for Change
	bids	
SP 3.1.3	Removed reference to GMM publication and reference to section 4	Losses will be incorporated into Location Marginal Price.
SP 3.1.4	Not Used	Elimination of the iteration in the DA market that is only advisory. With energy market, ISO eliminates iteration. Simultaneous energy, A/S, congestion market expands reasons for adjusted preferred schedules
SP 3.1.5	Delete Revised Schedules sections	Elimination of the iteration in the DA market that is only advisory. With energy market, ISO eliminates iteration.
SP 3.1.6	Modified Language	Elimination of the iteration in the DA market that is only advisory. With energy market, ISO eliminates iteration. Eliminates restriction that the only changes to schedules could be due to congestion
SP 3.2	Modified language to reflect integrated market for Energy, Congestion Management, Unit Commitment, Ancillary Service, Replaced Wnet with OASIS	Day-Ahead Market will be an integrated market for Energy and Ancillary Services, OASIS is now the location for publishing
SP.3.2.1 (a)	Added ...45 days... for transmission and Grid outages	For monthly FTR auction information
SP 3.2.1 (b)	Not used	Losses will be incorporated into Location Marginal Price.
SP 3.2.1 (d)	Modified load forecast added UDC -	ISO forecasts by UDC
SP 3.2.1 (g)	Modified reference to inter-zonal interface to path, Replace ...transfer... with ...Transmission...	Change from zonal to nodal congestion model
SP 3.2.1.1.	Eliminate reference to PX so as to refer to ISO Day-Ahead market	PX eliminated
SP 3.2.1.2.	Eliminate reference to PX so as to refer to ISO Day-Ahead market	PX eliminated
SP 3.2.2 (a)	Delete	Forecast for Direct Access load not necessary or useful currently
SP 3.2.2 (b)	Replaced ...Wnet.. with ...OASIS..	
SP 3.2.2 (d)	Added to include publication of Forecasted ATC on commercially significant paths	ATC publication
SP 3.2.2 (e)	Added publication of Load Distribution Factors	Necessary to facilitate move to Full-Network Model.
SP 3.2.2 (f)	Added publication of Power Transfer Distribution Factors	Necessary to facilitate move to Full-Network Model.
SP 3.2.3	Delete	Direct Access load publication not necessary or currently useful
SP 3.2.4	Eliminate reference to inter-zonal interface.	Change from zonal to nodalcongestion model
SP 3.2.5	Eliminate reference to inter-zonal interface.	Change from zonal to nodal congestion model
SP 3.2.5	Modified adjustment fo FTR rights based on Existing Contract Rights	Simultaneous Scheduling Feasibility for FTR's will be determined during Day-Ahead market.
SP 3.2.6.1 (b)	Modified reference to Adjustment bids to refer to Energy bids, Struck –	Result of moving to energy market w/ unit commitment.

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### Summary of Tariff Changes for Market Redesign Other than FTRs and Capacity Resources

Tariff Section (s)	Status	Reason for Change
	reference to Preferred Schedules, Added reference to start-up and minimum load costs	
SP 3.2.6.1 (e)	Modified reference to Schedules to also include Bids, Eliminated reference to Adjustment bids and inter-SC trades	Result of moving to energy market and elimination of Market Separation rule.
SP 3.2.6.1 (i)	Delete	Eliminate reference to inter-zonal congestion
SP 3.2.6.1 (j)	Delete	Result of moving to simultaneous energy, A/S, congestion market.
SP 3.2.6.2	Modified reference to Adjustment bids to Energy bids.	Result of moving to energy market
SP 3.2.6.3	Modified reference to Adjustment bids to Energy bids.	Result of moving to energy market
SP 3.2.6.3	Eliminated reference to resubmission period for submitting preferred schedules with inter-SC mismatches	With elimination of market separation inter-SC trades do not necessarily need to be resolved prior to close of DA market.
SP 3.2.6.4	Modified inter-SC reconciliation process.	With elimination of market separation inter-SC trades do not necessarily need to be resolved prior to close of DA market.
SP 3.2.7	Not Used	By eliminating DA market iteration there market will not complete and publish till 1:00 pm.
SP 3.2.8	Not Used	By eliminating DA market iteration there market will not complete and publish till 1:00 pm.
SP 3.2.8.1	Not Used	By eliminating DA market iteration there market will not complete and publish till 1:00 pm.
SP 3.2.8.2	Not Used	By eliminating DA market iteration there market will not complete and publish till 1:00 pm.
SP 3.2.8.3	Not Used	By eliminating DA market iteration there market will not complete and publish till 1:00 pm.
SP 3.2.8.4	Not used	By eliminating DA market iteration the market will not complete and publish till 1:00 pm.
SP 3.2.9 (a)	Deleted the term inter-zonal	Result of moving from zone to nodal model
SP 3.2.9 (b)	Deleted the term inter-zonal, as well as dependence on congestion occurring to impact adjustment of preferred schedules	Result of moving from zone to nodal model and an energy market
SP 3.2.9 (b)(-i)	Deleted	With energy market opportunity to revise Day-Ahead schedules are eliminated.
SP 3.2.9 (b)(ii)	Delete	With energy market opportunity to revise Day-Ahead schedules is eliminated.
SP 3.2.9 (b)(iii)	Delete	With energy market opportunity to revise Day-Ahead schedules is eliminated.
SP 3.2.9 (b)(iv)	Deleted	With energy market opportunity to revise Day-Ahead schedules is eliminated.
SP 3.2.9 (c)	Replace reference to usage charge with LMP for energy. Replaced reference	Result of moving from zone to nodal model and an energy market, OASIS is now

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### Summary of Tariff Changes for Market Redesign Other than FTRs and Capacity Resources

Tariff Section (s)	Status	Reason for Change
	to Wenet with OASIS	the location for publishing
SP 3.2.10	Added Residual Unit Commitment process to 1:30 pm events, Replaced Wenet with OASIS, Added a 3:00 pm event to publish information resulting from RUC process	Introduction of RUC, OASIS is now the location for publishing, Introduction of RUC
SP 3.2.11	Deleted reference to zone and introduced reference to Ancillary Service Region	Regional requirement of A/S
SP 3.3 (b)	Replace 12:00 midnight with 11:00 pm	Should have been 10:00 and has now been to 11:00 due to the change in the Hour-Ahead time line
SP 3.3 (c)	Replace reference to inter-zonal with transmission Pathway	Result of moving from zone to nodal model
SP 3.3.1	Modify time from two hours ahead to one hour ahead.	Move HA timeline closer to real-time
SP 3.3.1.1(b)	Replace Adjustment with Energy	Result of introducing an energy market
SP 3.3.1.1 (e)	Replace Adjustment with Energy	Result of introducing an energy market
SP 3.3.1.1 (i)	Struck language	Result of moving from zone to nodal model and an energy market
SP 3.3.1.1 (j)	Struck language	Result of moving from zone to nodal model and an energy market
SP 3.3.1.2	Replace Adjustment with Energy	Result of introducing an energy market
SP 3.3.1.3	Replace Adjustment with Energy. Replace two hours with one hour.	Result of introducing an energy market. Move HA timeline closer to real-time
SP 3.3.2	Modified timeline from one-hour to 45 minutes for publication of hour-ahead final schedules.	Move HA timeline closer to real-time
SP 3.3.2 (a)	Replace Adjustment with Energy, Deleted reference to unbalanced schedules, Referenced Section 2.3.1.2.1	Result of introducing an energy market, elimination of Market Separation Rule
SP 3.3.2 (b)	Delete Inter-zonal	Result of moving from zone to nodal model.
SP 3.3.2 (c)	Struck reference to inter-zonal congestion	Result of moving from zone to nodal model and an energy market
SP 3.3.2 (c)(i)	Delete	With energy market Preferred schedules may be adjusted even in absence of Congestion
SP 3.3.2. (d)	Replace reference to usage charge with LMP for energy. Replaced WENet with OASIS	Result of moving from zone to nodal model and an energy market, OASIS is now the location for publishing
SP 3.3.2 (f)	Replaced Curtailable Demand with Dispatchable Loads	Definition of Dispatchable loads incorporates Curtailable Demand
SP 3.3.3	New Section	Incorporates Hourly Pre-Dispatch
SP 4.1 (a)	Modify to incorporate marginal losses into Location Marginal Prices. Delete reference to Generator Meter Multiplier(GMM)	LMP will include marginal losses.
SP 4.1 (b)	Deleted	LMP will include marginal losses

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### Summary of Tariff Changes for Market Redesign Other than FTRs and Capacity Resources

Tariff Section (s)	Status	Reason for Change
SP 4.2	Not Used	LMP will include marginal losses
SP 4.3	Not Used	LMP will include marginal losses, Existing Contract Holders will settle losses with RPTO.
SP 5.3	Delete reference to PX timeline	With PX eliminated not reference necessary. Reference changes to ISO Day-Ahead market.
SP 7.2.1	Modify to refer to significant WSCC rates path and interface with external control as interface ATC will be determined, Replaced WENet with OASIS	Move away from inter-zonal congestion to nodal model, OASIS is now the location for publishing
SP 7.2.1 (c)	Delete	Result of moving from zone to nodal model.
SP 7.2.2	Remove reference to inter-SC trades and inter-zonal interface.	Result of moving from zone to nodal model and an energy market
SP 7.2.2 (a)	Added reference to Section 9 of Tariff.	Section 9 explains how FTR will be determine. In that process allocation of transmission to Existing Contracts is also addressed as a first step to FTR process.
SP 7.2.2. (a)	Deleted discussion of priority and referenced to new market section 31.2.3.2 with Existing Contract priority is addressed.	Priority of Existing Contracts is addressed in new section.
SP 7.2.2 (b)	Replaced reference to usage charge with LMP.	Result of moving from zone to nodal model and an energy market
SP 7.2.2 (c)	Remove reference to inter-zonal	Result of moving from zone to nodal model.
SP 7.2.2. (d)	Eliminate reference to non-firm Existing Contract use.	No special priority necessary for non-firm schedules.
SP 7.2.3	Delete reference to inter-SC trade as source or sink of Existing Contract usage.	Result of removing market separation.
DP 7.2.3	Removed reference to Zones	Zones do not apply in Nodal model
SP 7.3.3	Replace inter-zonal interface with transmission system, Replace two hours with one hour	Result of moving from zone to nodal model, Changed the Hour-Ahead Timeline
SP 7.3.4	Replace inter-zonal with Pathway	Result of moving from zone to nodal model.
SP 7.3.4 (c)	Replace Adjustment bid with Energy bid, deleted reference to pro-rata, added reference to effectiveness	Result of moving from zone to nodal model and an energy market, As a result of move to nodal model with loops resources will be adjusted in the face of congestion based on effectiveness so pro-rata adjustment may not be accurate except for adjustments that are equally effective.
SP 7.3.4 (d)	Delete reference to pro-rata, added reference to effectiveness	As a result of move to nodal model with loops resources will be adjusted in the face of congestion based on effectiveness so pro-rata adjustment may not be accurate except for adjustments that are equally effective.
SP 7.4.4	Replace inter-zonal with Pathway	Result of moving from zone to nodal model.
SP 7.4.5	Replace inter-zonal with Pathway	Result of moving from zone to nodal model.
SP 7.4.5 (b)	Delete reference to pro-rata, added reference to effectiveness	As a result of move to nodal model with loops resources will be adjusted in the

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### Summary of Tariff Changes for Market Redesign Other than FTRs and Capacity Resources

Tariff Section (s)	Status	Reason for Change
		face of congestion based on effectiveness so pro-rata adjustment may not be accurate except for adjustments that are equally effective.
SP 7.4.5 (c)	Replace Adjustment bid with Energy bid	Result of moving from zone to nodal model and an energy market
SP 7.4.5 (c)	Delete reference to pro-rata, added reference to effectiveness	As a result of move to nodal model with loops resources will be adjusted in the face of congestion based on effectiveness so pro-rata adjustment may not be accurate except for adjustments that are equally effective.
SP 9.1 (a)	Replace Locational with regional dispersion.	Regional requirement of A/S
SP 9.1 (b)	Add total capacity bid and opportunity cost' Replace Locational with regional dispersion.	With simultaneous energy and A/S market opportunity costs will be part of A/S selection process. Regional requirement of A/S
SP 9.1 (d)	Added - ...and the default A/S bids in accordance with section 31.2.3.2.5.1.4	In the event bids are not submitted Default bids will be utilized
SP 9.1 (e)	Remove replacement reserve. Replace Market Clearing Price with Ancillary Service Marginal Price	Replacement reserve product no-longer necessary. A/S will be price based on marginal pricing simultaneously rather that sequentially.
SP 9.2	Replaced reference to the sequential process with a reference with the simultaneous process	A/S procurement will be performed simultaneously rather that sequentially using SCUC optimization.
SP 9.3 (a)	Delete Replacement Reserve	Replacement reserve product no-longer necessary
SP 9.3 (e)	Replace Market Clearing Price with Ancillary Service Marginal Price, Replace Curtailable Demand with Dispatchable Load	A/S will be price based on marginal pricing simultaneously rather that sequentially.
SP 9.3 (f)	Remove reference to Balanced schedules Replaced Curtailable Demand with Dispatchable Load	No longer necessary with deletion of market separation rule.
SP 9.5.1	Deleted equation and referred to Appendix K	Appendix K explains A/S bid awards
SP 9.5.1 (b)	Added reference to opportunity cost in A/S procurement evaluation.	With simultaneous energy and A/S market opportunity costs will be part of A/S selection process.
SP 9.5.2	Replace zonal with regional and Market Clearing Price with Ancillary Service Marginal Price.	Regional requirement of A/S. A/S will be price based on marginal pricing simultaneously rather that sequentially.
SP 9.6.1	Deleted equation and referred to Appendix K	Appendix K explains A/S bid awards
SP 9.6.2	Replace zonal with regional and Market Clearing Price with Ancillary Service Marginal Price, Replaced Zone X with Ancillary Service Region	Regional requirement of A/S. A/S will be price based on marginal pricing simultaneously rather that sequentially.
SP 9.7.1	Deleted equation and referred to Appendix K	Appendix K explains A/S bid awards
SP 9.7.2	Replace zonal with regional and Market Clearing Price with Ancillary Service Marginal Price.	Regional requirement of A/S. A/S will be price based on marginal pricing simultaneously rather that sequentially.
SP 9.8.1	Delete	Replacement reserve product no-longer necessary
SP 9.8.2	Delete	Replacement reserve product no-longer necessary
SP 10.1	Delete inter-zonal	Result of moving from zone to nodal model.

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### Summary of Tariff Changes for Market Redesign Other than FTRs and Capacity Resources

Tariff Section (s)	Status	Reason for Change
SP 10.1 (b)	Add reference to simultaneous nature of Energy and A/S market.	A/S procurement will be performed simultaneously rather than sequentially using SCUC optimization.
SP 10.2	Delete reference to inter-zonal and added references to transmission security constraint in Congestion Optimization. Replace Adjustment bid with Energy bid.	A/S procurement will be performed simultaneously rather than sequentially using SCUC optimization.
SP 10.2 (b)	Deleted	Reference to Inter-Zonal Congestion
SP 10.2 (c)	Deleted	Reference to Inter-Zonal Congestion
SP 10.3 (d)	Added reference to the Default Bids section 31.2.3.2.3.4.5	
SP 10.3	Replace Adjustment bid with Energy Bid. Deleted reference to inter-zonal congestion.	Result of moving from zone to nodal model and an energy market
SP 10.3 (a)	Deleted reference to Inter-Zonal Congestion	Result of moving from zone to nodal model.
SP 10.3 (b)	Replace Adjustment bid with Energy Bid. Deleted reference to inter-zonal with Pathways	Result of moving from zone to nodal model and an energy market
SP 10.3.(c)	Delete reference to Usage Charge and replace it with LMP discussion of how to settle FTR's. FTR are described as Point-to-Point products.	Result of moving from zone to nodal model and an energy market
SP 11	Modify to read Real-Time Economic Dispatch	Moving from a merit order dispatch to a security constrained economic dispatch.
SP 11(a)	Modified language to reflect the source of Supplemental Energy	Reflect the SCED process
SP 11.1(b)	Modified language to reflect the source of Supplemental Energy	Reflect SCED process
SP 11.1 (c)	Modified language to reflect the source of Supplemental Energy	Reflect SCED process
SP 11.2	Modify to include discussion of economic dispatch optimization to minimize cost of imbalance energy subject to transmission constraints rather than straight merit order dispatch. Replace references to BEEP and replaced with either SCED or Dispatch.	Moving from a merit order dispatch to a security constrained economic dispatch.
SP 11.3	Replace Merit Order Stack with Imbalance Energy Bids. Remove inter-zonal.	Moving from a merit order dispatch to a security constrained economic dispatch using nodal network model.
Settlement and Billing Protocol (SABP)		
SABP 3.1	Added Final Day-Ahead and Hour-Ahead schedules	Description of Charges to be Settled
SABP 3.1 (b)	Deleted	Grid Operations Charge reflects intra-zonal congestion, not needed with SCED

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### Summary of Tariff Changes for Market Redesign Other than FTRs and Capacity Resources

Tariff Section (s)	Status	Reason for Change
SABP 3.1 (c)	Added two subsections to describe A/S settlements	
SABP 3.1 (d)	Added reference to Section 31.4.3.4.4	Imbalance Energy settlement includes side payments for certain dispatches.
SABP 3.1 (e)	Modified language - replaced "Usage Charges" with DA and/or HA	Usage Charges no longer apply
SABP 3.1 (g)	Changed O to 0 (zero)	Clean-up
SABP 3.1 (i)	Changed O to 0 (zero)	Clean-up
SABP 3.1 (m)	Added sub-section – Payments or Charges for FTR Holders	Settlement for FTR Holders
SABP 3.1 (n)	Added section – Unrecovered costs of unit commitment for the Day-Ahead and Hour-Ahead energy market	Describes the unrecovered costs
SABP 3.1 (o)	Added section – Capacity and Unrecovered cost associated with unit commitment in RUC	Describes the unrecovered costs
SABP Appendix A		No Changes
SABP Appendix B	Deleted Grid Operations charge	Not applicable. Congestion resolved differently with full network model
SABP Appendix C	Replaced with a re-write	Describes the Settlement of Ancillary Services
SABP Appendix D	Replaced with a re-write	Describes the calculation and Settlements for Locational Marginal Pricing
SABP Appendix E	Replaced with a re-write	Usage Charges are no longer valid
SABP Appendix F	Changed "Transfer" to "Transmission"	Reflect change in master definition
SABP Appendix G – throughout all sections	Replaced ...Trading Interval... with ...Dispatch Interval... Replaced ...Zone... with ...Location... Replaced ...Ex Post Price... with ...Locational Marginal Price... Modified formulas for payments to be based on Location rather than Zone	Trading Interval is not applicable using SCED, Zones are not applicable using a Full network model, Locational Marginal Prices are reflected using a FNM
SABP Appendix H	New Appendix	Describes the Calculation and Settlement of Unit Commitment Cost
Settlement and Billing Protocol Annex 1		No changes
Metering Protocol		
MP 2.3.4	Changed the reporting of Demand to the same Load aggregation that was used in scheduling the Demand	Changed required to implement the MD02 requirement for scheduling and reporting to various Load aggregations.
MP 13.5.2 (b) iv.	The exemption from providing 5 min meter data for Generators providing Ancillary Services is not valid with 10 min settlements	Change required to properly document the requirement for 5 min data for ISO MEs.
Metering Protocol Appendices		No Changes