

**ATTACHMENT Q****Energy Imbalance Market****1. General Provision - Purpose and Effective Date of Attachment Q**

Attachment Q provides for Transmission Provider's participation as the BPA EIM Entity in the EIM administered by the MO. Sections 4.1.5, 4.1.6, 8, 10.1 and 10.4 of this Attachment Q take effect on the date the EIM goes live in the BPA BAA, or the implementation date of Transmission Provider's participation in the EIM, whichever is later. All other sections of this Attachment Q take effect no earlier than seven (7) days prior to the start of parallel operations.

This Attachment Q shall apply to all Transmission Customers and GI Customers, as applicable, with new and existing service agreements under Attachments A, F, L and N of this Tariff. To the extent a GI Customer controls the output of a generator located in BPA's BAA, the BPA EIM Entity may require the GI Customer to comply with a requirement in this Attachment Q that on its face applies to a Transmission Customer to the extent that the BPA EIM Entity makes a determination, in its sole discretion, that the GI Customer is the more appropriate party to satisfy the requirements of Attachment Q than any Transmission Customer.

This Attachment Q shall work in concert with the provisions of the MO Tariff implementing the EIM to support operation of the EIM. To the extent that this Attachment Q is inconsistent with a provision in the remainder of this Tariff with regard to the BPA EIM Entity's administration of the EIM, this Attachment Q shall prevail.

This Attachment Q governs the relationship between the BPA EIM Entity and all Transmission Customers and GI Customers subject to this Tariff. This Attachment Q does not establish privity between Transmission Customers and the MO or make a Transmission Customer subject to the MO Tariff. Any Transmission Customer duties and obligations related to the EIM are those identified in this Tariff, unless the Transmission Customer voluntarily elects to participate directly in the EIM with BPA EIM Participating Resources, in which case the MO Tariff provisions for EIM Participating Resources and EIM Participating Resource Scheduling Coordinators shall also apply.

**2. Election of Transmission Customers to become BPA EIM Participating Resources**

The decision of a Transmission Customer to participate in the EIM with resources as BPA EIM Participating Resources is voluntary. A Transmission Customer that chooses to have a resource become a BPA EIM Participating Resource must:

- (1) Meet the requirements specified in Section 3 of this Attachment Q and the BPA EIM BP;
- (2) Become or retain a MO-certified EIM Participating Resource Scheduling Coordinator; and
- (3) Follow the application and certification process specified in this Attachment Q and the BPA EIM BP posted on the Transmission Provider's OASIS.

- (4) Transmission Customers which own, control, or market multiple resources may elect to have any or all of their resources be BPA EIM Participating Resources, in which case any resources that the Transmission Customer does not elect to be BPA EIM Participating Resources shall be treated as Non-Participating Resources for purposes of this Attachment Q.

### **3. Eligibility to be a BPA EIM Participating Resource**

#### **3.1 Internal Resources - Transmission Rights**

Resources owned, controlled, or marketed by Transmission Customers and located within the metered boundaries of BPA's BAA are eligible to become BPA EIM Participating Resources. The Transmission Customer that owns, controls, or markets the resource must have associated transmission rights based on one of the following:

- (1) The resource is a designated Network Resource of a Network Customer and the Network Customer elects to participate in the EIM through its Network Integration Transmission Service Agreement; or
- (2) The resource is associated with a Service Agreement for Point-to-Point Transmission Service.

#### **3.2 Resources External to BPA's BAA**

##### **3.2.1 Use of Pseudo-Ties**

A resource owned or controlled by a Transmission Customer that is not physically located inside the metered boundaries of BPA's BAA may participate in the EIM as a BPA EIM Participating Resource if the Transmission Customer (1) implements a Pseudo-Tie into BPA's BAA, consistent with BPA's business practice posted on Transmission Provider's OASIS, (2) has arranged firm transmission over any third-party transmission systems to a BPA BAA intertie boundary equal to the amount of energy that will be Dynamically Transferred through a Pseudo-Tie into BPA's BAA, consistent with BPA's business practice posted on Transmission Provider's OASIS, and (3) has secured transmission service consistent with Section 3.1 of this Attachment Q.

##### **3.2.2 Pseudo-Tie Costs**

Pseudo-Tie implementation costs shall be allocated in a manner consistent with the treatment of Network Upgrades and Direct Assignment Facilities to facilitate a Pseudo-Tie into BPA's BAA.

### **3.3 Application and Certification of BPA EIM Participating Resources**

#### **3.3.1 Application**

To register a resource to become a BPA EIM Participating Resource, a Transmission Customer must submit a completed application, as set forth in the BPA EIM BP, and shall provide an application fee as specified in the BPA EIM BP for the BPA EIM Entity to process the application. At the time of application, any BPA EIM Participating Resource applicant must

elect to perform the duties of either a CAISO Metered Entity or Scheduling Coordinator Metered Entity, consistent with the MO's requirements and additional technical requirements set forth in the BPA EIM BP, as applicable.

### **3.3.2 Processing the Application**

The BPA EIM Entity shall make a determination as to whether to accept or reject the application within 45 days of receipt of the application. At minimum, the BPA EIM Entity shall validate through the application that the Transmission Customer has satisfied Sections 3.1 and 3.2 of this Attachment Q, as applicable, and met minimum telemetry and metering requirements, as set forth in the MO's requirements and the BPA EIM BP. Within 45 days of receipt of the application and in accordance with the process outlined in the BPA EIM BP, the BPA EIM Entity may request additional information and will attempt to resolve any minor deficiencies in the application with the Transmission Customer. The BPA EIM Entity may extend the 45-day period to accommodate the resolution of minor deficiencies in the application in order to make a determination on an application. If the BPA EIM Entity approves the application, it shall send notification of approval to both the Transmission Customer and the MO. The process by which the BPA EIM Entity sends notification of approval shall be set forth in the BPA EIM BP. If the BPA EIM Entity rejects the application, the BPA EIM Entity shall send notification stating the grounds for rejection to the Transmission Customer. Upon request, the BPA EIM Entity may provide guidance to the applicant as to how the Transmission Customer may cure the grounds for the rejection. If the BPA EIM Entity has granted an extension of the 45-day period but the Transmission Customer has neither provided the additional requested information nor otherwise resolved identified deficiencies within six (6) months of the BPA EIM Entity's initial receipt of the application, the application shall be deemed rejected by the BPA EIM Entity. If an application is rejected, the Transmission Customer may resubmit its application at any time (including submission of a new processing fee deposit).

### **3.3.3 Certification Notice**

After the BPA EIM Entity has approved Transmission Customer's application, the BPA EIM Entity shall certify the Transmission Customer's BPA EIM Participating Resource to participate in the EIM in accordance with the BPA EIM BP once the Transmission Customer has demonstrated and the MO has confirmed that the Transmission Customer has:

- (1) Met the MO's criteria to become an EIM Participating Resource and executed the MO's EIM Participating Resource Agreement;
- (2) Qualified to become an EIM Participating Resource Scheduling Coordinator and have executed the MO's Meter Service Agreement for Scheduling Coordinators, or retained the services of a MO-certified EIM Participating Resource Scheduling Coordinator that has executed the MO's Meter Service Agreement for Scheduling Coordinators;
- (3) Met the necessary metering requirements of this Tariff and Section 29.10 of the MO Tariff; and

- (4) Met communication and data requirements of this Tariff and Section 29.6 of the MO Tariff; and has the ability to receive and implement the MO's Dispatch Instructions every five minutes.

Upon receiving notice from the MO of the completion of the enumerated requirements by the Transmission Customer, the BPA EIM Entity shall provide written notice to both the Transmission Customer with a BPA EIM Participating Resource and the MO that the BPA EIM Participating Resource is certified and therefore eligible to participate in the EIM. The process by which the BPA EIM Entity certifies Transmission Customers with a BPA EIM Participating Resource shall be set forth in the BPA EIM BP.

### **3.3.4 Status of Resource Pending Certification**

If the Transmission Customer (i) has submitted an application for a resource to be a BPA EIM Participating Resource but the application has not been approved, or (ii) has not yet been certified by the BPA EIM Entity consistent with Section 3.3.3 of this Attachment Q, the resource shall be deemed to be a Non-Participating Resource.

### **3.3.5 Notice and Obligation to Report a Change in Information**

Each Transmission Customer with a BPA EIM Participating Resource has an ongoing obligation to inform the BPA EIM Entity of any changes to any of the information submitted as part of the application process under this Attachment Q. The BPA EIM BP shall set forth the process and timing requirements for notifying the BPA EIM Entity of such changes.

This information includes, but is not limited to:

- (1) Any change in the BPA EIM Participating Resource Scheduling Coordinator representing the resource;
- (2) Any change in the ownership or control of the resource;
- (3) Any change to the physical characteristics of the resource required to be reported to the MO in accordance with Section 29.4(c)(4)(C) of the MO Tariff; or
- (4) If either the MO terminates the participation of the BPA EIM Participating Resource in the EIM or the Transmission Customer has terminated the BPA EIM Participating Resource's participation in the EIM; in either case, that resource shall be considered to be a Non-Participating Resource for purposes of this Tariff, including Attachment Q.

## **4. Roles and Responsibilities**

### **4.1 Transmission Provider as the BPA EIM Entity and the BPA EIM Entity Scheduling Coordinator**

#### **4.1.1 Responsibilities**

##### **4.1.1.1 Identification of EIM Entity Scheduling Coordinator**

The BPA EIM Entity can serve as the BPA EIM Entity Scheduling Coordinator or retain a third party to perform such role. If the BPA EIM Entity is not the BPA EIM Entity Scheduling Coordinator, the BPA EIM Entity shall communicate to the BPA EIM Entity Scheduling Coordinator the information required by the BPA EIM Entity Scheduling Coordinator to fulfill its responsibilities in the EIM.

The BPA EIM Entity Scheduling Coordinator shall coordinate and facilitate the EIM in accordance with the requirements of the MO Tariff. The BPA EIM Entity Scheduling Coordinator must meet the certification requirements of the MO and enter into any necessary MO agreements.

##### **4.1.1.2 Processing BPA EIM Participating Resource Applications**

The BPA EIM Entity shall be responsible for processing applications of Transmission Customers seeking authorization to participate in the EIM with resources as BPA EIM Participating Resources in accordance with Section 3.3 of this Attachment Q.

##### **4.1.1.3 Determination of EIM Implementation Decisions for BPA's BAA**

The BPA EIM Entity is solely responsible for making any decisions with respect to EIM participation that the MO requires of EIM Entities. The BPA EIM Entity has made the following determinations:

- (1) Eligibility requirements for BPA EIM Participating Resources are set forth in Section 3 of Attachment Q.
- (2) Load Aggregation Points (LAP): There shall be one LAP for BPA's BAA.
- (3) Load forecast: The BPA EIM Entity shall be permitted to use the MO load forecast, but shall retain the right to provide the load forecast to the MO in accordance with the MO Tariff.
- (4) MO metering agreements: The BPA EIM Entity and all Transmission Customers with BPA EIM Participating Resources shall have the option to elect to be Scheduling Coordinator Metered Entities or CAISO Metered Entities in accordance with Section 29.10 of the MO Tariff. The BPA EIM Entity shall be a Scheduling Coordinator Metered Entity on behalf of all Transmission Customers

with Non-Participating Resources in accordance with Section 29.10 of the MO Tariff.

#### **4.1.1.4 BPA EIM Business Practice**

The BPA EIM Entity shall establish and revise, as necessary, procedures to facilitate implementation and operation of the EIM through the BPA EIM BP that shall be posted on the Transmission Provider's OASIS.

#### **4.1.1.5 Determination to Take Corrective Actions or Permanently Terminate Participation in the EIM**

The BPA EIM Entity may take corrective actions in BPA's BAA in accordance with the requirements of Section 10.3 of Attachment Q.

In addition, the BPA EIM Entity, in its sole and absolute discretion, may permanently terminate its participation in the EIM by providing notice of termination to the MO pursuant to applicable agreements.

#### **4.1.2 Responsibilities of the BPA EIM Entity to Provide Required Information**

##### **4.1.2.1 Provide Modeling Data to the MO**

The BPA EIM Entity shall provide the MO information associated with transmission facilities within BPA's BAA, including, but not limited to, network constraints and associated limits that must be observed in BPA's BAA network and interties with other BAAs.

##### **4.1.2.2 Registration**

The BPA EIM Entity shall register all Non-Participating Resources with the MO. The BPA EIM Entity may choose to obtain default energy bids from the MO for Non-Participating Resources that are Balancing Authority Area Resources. The BPA EIM Entity shall update this information in accordance with the MO's requirements as revised information is received from Transmission Customers with Non-Participating Resources in accordance with Section 4.2.1.2 of this Attachment Q.

#### **4.1.3 Day-to-Day EIM Operations**

##### **4.1.3.1 Submission of Transmission Customer Base Schedule, Forecast Data for Non-Participating Resources that are Variable Energy Resources, and Resource Plans**

The BPA EIM Entity is responsible for providing the data required by the MO in accordance with Section 29.34 of the MO Tariff, including but not limited to: (1) hourly Transmission Customer Base Schedules; (2) Forecast Data for Non-Participating Resources that are Variable Energy Resources; and (3) Resource Plans.

#### **4.1.3.2 Communication of Manual Dispatch Information**

The BPA EIM Entity shall inform the MO of a Manual Dispatch by providing adjustment information for the affected resources in accordance with Section 29 of the MO Tariff.

#### **4.1.3.3 Confirmation**

The MO shall calculate, and the BPA EIM Entity shall confirm, actual values for Dynamic Schedules reflecting EIM Transfers to the MO within 60 minutes after completion of the Operating Hour to ensure the e-Tag author will be able to update these values in accordance with WECC criteria through an update to the e-Tag.

#### **4.1.3.4 Dispatch of EIM Available Balancing Capacity of a Non-Participating Resource**

Upon notification by the MO, the BPA EIM Entity shall notify the Non-Participating Resource of the Dispatch Operating Point for any EIM Available Balancing Capacity from the Non-Participating Resource, except in circumstances in which the BPA EIM Entity determines the additional capacity is not needed for the BAA or has taken other actions to meet the capacity need.

#### **4.1.4 Provision of Meter Data**

The BPA EIM Entity shall submit load, resource, and Interchange meter data to the MO in accordance with the format and timeframes required in the MO Tariff on behalf of Transmission Customers with Non-Participating Resources, loads, and Interchange.

#### **4.1.5 Settlement of MO Charges and Payments**

For information pertaining to Settlement of MO Charges and Payments refer to the Transmission Provider's Transmission, Ancillary, and Control Area Service Rate Schedules and General Rate Schedule Provisions, or its successor.

#### **4.1.6 Dispute Resolution with the MO**

The BPA EIM Entity shall manage dispute resolution with the MO for the BPA EIM Entity settlement statements consistent with Section 29.13 of the MO Tariff, Section 12 of this Tariff, and the BPA EIM BP. Transmission Customers with BPA EIM Participating Resources shall manage dispute resolution with the MO for any settlement statements they receive directly from the MO.

### **4.2 Transmission Customer Responsibilities**

The following must comply with the information requirements of this section: (1) Transmission Customers with a BPA EIM Participating Resource; (2) Transmission Customers with a Non-Participating Resource; (3) Transmission Customers with load within BPA's BAA; and (4) subject to the limitations identified in Section 4.2.4.5.1 of this Attachment Q, Transmission Customers wheeling through BPA's BAA.

#### **4.2.1 Initial Registration Data**

##### **4.2.1.1 Transmission Customers with a BPA EIM Participating Resource**

A Transmission Customer with a BPA EIM Participating Resource shall provide the MO and the BPA EIM Entity with data necessary to meet the requirements established by the MO to register all resources with the MO as required by Section 29.4(e)(4)(D) of the MO Tariff.

##### **4.2.1.2 Transmission Customers with Non-Participating Resources**

A Transmission Customer with Non-Participating Resources shall provide the BPA EIM Entity with data necessary to meet the requirements established by the MO as required by Section 29.4(c)(4)(C) of the MO Tariff.

#### **4.2.2 Responsibility to Update Required Data**

##### **4.2.2.1 Transmission Customers with a BPA EIM Participating Resource**

Each Transmission Customer with a BPA EIM Participating Resource has an ongoing obligation to inform the MO and BPA EIM Entity of any changes to any of the information submitted by the Transmission Customer provided under Section 4.2.1 of this Attachment Q that reflects changes in operating characteristics as required by Section 29.4(e)(4)(D) of the MO Tariff. The BPA EIM BP shall set forth the process and timing requirements of notifying the BPA EIM Entity of such changes.

##### **4.2.2.2 Transmission Customers with Non-Participating Resources**

Each Transmission Customer with a Non-Participating Resource has an ongoing obligation to inform the BPA EIM Entity of any changes to any of the information submitted by the Transmission Customer with a Non-Participating Resource provided under Section 4.2.1 of this Attachment Q. The BPA EIM BP shall set forth the process and timing requirements of notifying the BPA EIM Entity of such changes.

#### **4.2.3 Outages**

Transmission Customers with BPA EIM Participating Resources and Transmission Customers with Non-Participating Resources shall be required to provide planned and unplanned outage information for their resources in accordance with Section 7 of this Attachment Q. The BPA Outage Planning and Coordination Policy shall set forth the outage information requirements for BPA EIM Participating Resources and Non-Participating Resources.

#### **4.2.4 Submission of Transmission Customer Base Schedule**

A Transmission Customer shall submit the Transmission Customer Base Schedule to the BPA EIM Entity. This submission must include Forecast Data on all resources, Interchange, and Intrachange which balance to the Transmission Customer's anticipated load, as applicable. If the Transmission Customer does not serve load within BPA's BAA, submission of the Transmission Customer Base Schedule shall include Forecast Data on all resources, Interchange, and



Intrachange which shall balance to the Transmission Customer's anticipated actual generation within BPA's BAA. The submissions shall be in the format and within the timing requirements established by the MO and the BPA EIM Entity as required in Section 4.2.4.5 of this Attachment Q and the BPA EIM BP.

#### **4.2.4.1 Transmission Customers with a BPA EIM Participating Resource or Non-Participating Resource in the BPA BAA**

A Transmission Customer with a BPA EIM Participating Resource or a Non-Participating Resource is not required to submit Forecast Data for:

- (1) resources located in BPA's BAA that are less than three MW and not included in the MO's network model; or
- (2) behind-the-meter generation which is not contained in the MO's network model.

Each BPA EIM Participating Resource Scheduling Coordinator shall provide to the BPA EIM Entity the energy bid range data (without price information) of the respective resources it represents that are participating in the EIM.

Each BPA EIM Participating Resource Scheduling Coordinator shall also provide the BPA EIM Entity with Dispatch Operating Point data of the respective resources it represents that are participating in the EIM.

#### **4.2.4.2 Transmission Customers with Non-Participating Resources that are Variable Energy Resources**

The BPA EIM Entity shall provide its Variable Energy Resource Forecast to the MO showing: (i) resource Forecast Data with hourly granularity and (ii) resource Forecast Data with 5-minute or 15-minute granularity. A Transmission Customer with a Non-Participating Resource that is a Variable Energy Resource shall submit its Transmission Customer Base Schedule to the BPA EIM Entity. If a Transmission Customer Base Schedule is less accurate than it would have been had it used the BPA EIM Entity's Variable Energy Resource Forecast, then there may be additional charges under BPA's Transmission, Ancillary, and Control Area Service Rate Schedules and General Rate Schedule Provisions.

#### **4.2.4.3 Transmission Customers with Load**

As set forth in Sections 4.2.4 of this Attachment Q, a Transmission Customer is required to submit Forecast Data on all resources, Interchange, and Intrachange which balance to the Transmission Customer's anticipated load, as applicable. The BPA EIM Entity shall calculate the load component of the Transmission Customer Base Schedule as the resource Forecast Data net of its Interchange Forecast Data and net of its Intrachange Forecast Data, as applicable.

#### **4.2.4.4 Transmission Customers Without Resources or Load in BPA's BAA**

A Transmission Customer which does not have any resources or load within BPA's BAA shall submit a Transmission Customer Base Schedule that includes Interchange and Intrachange

Forecast Data to the BPA EIM Entity.

#### **4.2.4.5 Timing of Transmission Customer Base Schedules Submission**

##### **4.2.4.5.1 Preliminary Submission of Transmission Customer Base Schedules by Transmission Customers with Resources Or Load in the BPA BAA.**

Transmission Customers with resources or load in the BPA BAA shall submit their initial Transmission Customer Base Schedules to the BPA EIM Entity 7 days prior to each Operating Day (“T - 7 days”). Transmission Customers may modify the proposed Transmission Customer Base Schedule at any time but shall submit at least one update to the BPA EIM Entity by 10 a.m. of the day before the Operating Day.

##### **4.2.4.5.2 Final Submissions of Transmission Customer Base Schedules**

Transmission Customers shall submit proposed final Transmission Customer Base Schedules to the BPA EIM Entity no later than 77 minutes prior to each Operating Hour (“T-77”). Transmission Customers may modify Transmission Customer Base Schedules up to and until 57 minutes prior to the Operating Hour (“T-57”). As of 55 minutes prior to each Operating Hour (“T-55”), the Transmission Customer Base Schedule data for the Operating Hour is financially binding and Transmission Customers may not submit further changes without incurring financial settlements. If the Transmission Customer fails to enter a Forecast Data value, the default will be 0 MW for that Operating Hour.

#### **4.2.5 Metering for Transmission Customers with Non-Participating Resources**

To assess imbalance, the MO shall disaggregate meter data into 5-minute intervals if the meter intervals are not already programmed to 5-minute intervals pursuant to a Transmission Customer’s applicable interconnection requirements associated with any agreement pursuant to Attachments L and N of this Tariff. To the extent that a Transmission Customer owns the meter or communication to the meter, the Transmission Customer shall be responsible to maintain accurate and timely data accessible for the BPA EIM Entity to comply with Section 4.1.4 of this Attachment Q.

### **5. Transmission Operations**

#### **5.1 Provision of Information Regarding Real-Time Status of the Transmission Provider’s Transmission System**

The BPA EIM Entity shall provide the MO information on:

- (1) real time data for the Transmission System and interties; and
- (2) any changes to transmission capacity and the Transmission System due to operational circumstances.

#### **5.2 Provision of EIM Transfer Capacity by a BPA Interchange Rights Holder**

The BPA EIM Entity shall facilitate the provision of transmission capacity for EIM Transfers

that source or sink in the BPA EIM Entity BAA offered by a BPA Interchange Rights Holder by providing the MO with information about the amounts made available by the BPA Interchange Rights Holder for EIM Transfers. The provision of EIM Transfer capacity shall be implemented through the BPA Interchange Rights Holder's submission of a Transmission Service Request on an EIM transfer path. At 77 minutes prior to the Operating Hour ("T-77") the BPA EIM Entity shall retrieve all approved Transmission Service Requests on all EIM transfer paths that source or sink in the BPA EIM Entity BAA.

By T-75 the BPA EIM Entity shall submit or update an e-Tag for each EIM transfer path that sources or sinks in the BPA EIM Entity BAA for which a BPA Interchange Rights Holder has donated transmission and communicate the effective transfer limits to the EIM. The BPA Interchange Rights Holder's rights associated with the submitted e-Tag shall be available for the EIM, subject to approval of the e-Tag by all required e-Tag approval entities. The amount of transmission made available for EIM Transfers shall never exceed that which is donated by BPA Interchange Rights Holders.

## **6. System Operations Under Normal and Emergency Conditions**

### **6.1 Compliance with Reliability Standards**

Participation in the EIM shall not modify, change, or otherwise alter the manner in which the Transmission Provider operates its Transmission System consistent with applicable reliability standards, including adjustments.

Participation in the EIM shall not modify, change, or otherwise alter the obligations of the BPA EIM Entity, Transmission Customers with BPA EIM Participating Resources, or Transmission Customers with Non-Participating Resources to comply with applicable reliability standards.

The BPA EIM Entity shall remain responsible for:

- (1) maintaining appropriate operating reserves and for its obligations pursuant to any reserve sharing group agreements;
- (2) NERC and WECC responsibilities including, but not limited to, informing the Reliability Coordinator of issues within BPA's BAA;
- (3) processing e-Tags and managing schedule curtailments at the interties; and
- (4) monitoring and managing real-time flows within system operating limits on all transmission facilities within BPA's BAA, including facilities of BPA BAA Transmission Owners. If requested by a Transmission Customer that is also a BPA BAA Transmission Owner, the BPA EIM Entity will provide additional information or data related to EIM operation as it may relate to facilities of a BPA BAA Transmission Owner.

### **6.2 Good Utility Practice**

The BPA EIM Entity, Transmission Customers with Non-Participating Resources, and Transmission Customers with BPA EIM Participating Resources shall comply with Good Utility

Practice with respect to this Attachment Q.

### **6.3 Management of Contingencies and Emergencies**

#### **6.3.1 EIM Disruption**

If the MO declares an EIM disruption in accordance with Section 29.7(j) of the MO Tariff, the BPA EIM Entity shall, in accordance with Section 29.7(j)(4) of the MO Tariff, promptly inform the MO of actions taken in response to the EIM disruption by providing adjustment information, updates to e-Tags, transmission limit adjustments, or outage and de-rate information, as applicable.

#### **6.3.2 Manual Dispatch**

The BPA EIM Entity may issue a Manual Dispatch order to a Transmission Customer with a BPA EIM Participating Resource or a Non-Participating Resource in BPA's BAA, to address reliability or operational issues in BPA's BAA that the EIM is not able to address through normal economic dispatch and congestion management.

The BPA EIM Entity shall inform the MO of a Manual Dispatch as soon as possible.

### **7. Outages**

#### **7.1 BPA EIM Entity Transmission Outages**

##### **7.1.1 Planned Transmission Outages and Known Derates**

The BPA EIM Entity shall submit information regarding planned transmission outages and known derates to the MO's outage management system in accordance with Section 29.9(b) of the MO Tariff and the BPA Outage Planning and Coordination Policy. The BPA EIM Entity shall update the submittal if there are changes to the transmission outage plan.

##### **7.1.2 Unplanned Transmission Outages**

The BPA EIM Entity shall submit information as soon as possible regarding unplanned transmission outages or derates to the MO's outage management system in accordance with Section 29.9(e) of the MO Tariff and the BPA Outage Planning and Coordination Policy.

#### **7.2 BPA BAA Transmission Owner Outages**

Transmission Customers that are also BPA BAA Transmission Owners shall provide the BPA EIM Entity with planned and unplanned transmission outage data. Planned outages shall be reported to the BPA EIM Entity according to the timelines in BPA's Outage Planning and Coordination Policy. Unplanned outages shall be reported to the BPA EIM Entity as soon as practicable but shall also be reported according to the BPA's Outage Planning and Coordination Policy.

The BPA EIM Entity shall communicate information regarding planned and unplanned outages

of BPA BAA Transmission Owner facilities to the MO as soon as practicable upon receipt of the information from the BPA BAA Transmission Owner.

### **7.3 BPA EIM Participating Resource Outages**

#### **7.3.1 Planned BPA EIM Participating Resource Outages and Known Derates**

BPA EIM Participating Resource Scheduling Coordinators shall submit information regarding planned resource outages and known derates to the BPA EIM Entity. Planned outages and known derates shall be reported to the BPA EIM Entity according to BPA's Outage Planning and Coordination Policy. The BPA EIM Entity shall then submit this outage information to the MO's outage management system in accordance with Section 29.9(c) of the MO Tariff and the BPA Outage Planning and Coordination Policy. BPA EIM Participating Resource Scheduling Coordinators shall update the submittal if there are changes to the resource outage plan according to the timelines in BPA's Outage Planning and Coordination Policy.

#### **7.3.2 Unplanned BPA EIM Participating Resource Outages**

In the event of an unplanned outage required to be reported under Section 29.9(e) of the MO Tariff, the BPA EIM Participating Resource Scheduling Coordinator is responsible for notifying the BPA EIM Entity of required changes. Unplanned outages shall be reported to the BPA EIM Entity as soon as practicable but shall also be reported according to the BPA's Outage Planning and Coordination Policy. The BPA EIM Entity shall then submit this information to the MO's outage management system.

#### **7.3.3 Unplanned Derates BPA EIM Participating Resources**

Changes in availability of 10 MW or 5% of Pmax (whichever is greater) lasting 15 minutes or longer must be reported to the BPA EIM Entity. These reports are due within 30 minutes of discovery, and are required only to include effective time and MW availability. The BPA EIM Entity shall then submit this information to the MO's outage management system.

### **7.4 Outages of Transmission Customers with Non-Participating Resources**

#### **7.4.1 Planned Outages and Known Derates of Transmission Customers with Non-Participating Resources**

Transmission Customers with Non-Participating Resources shall report information regarding planned outages and known derates of resources to the BPA EIM Entity according to the BPA's Outage Planning and Coordination Policy. The Transmission Customer with a Non-Participating Resource shall update the submittal if there are changes to the resource's outage plan according to the BPA's Outage Planning and Coordination Policy.

The BPA EIM Entity shall submit planned resource outages and known derates of Non-Participating Resources to the MO's outage management system in accordance Section 29.9(c) of the MO Tariff and according to BPA's Outage Planning and Coordination Policy.

#### **7.4.2 Unplanned Outages and Derates of Resources of Transmission Customers with Non-Participating Resources**

Unplanned outages of resources of a Transmission Customer with Non-Participating Resources shall be reported to the BPA EIM Entity as soon as practicable but shall also be reported according to the BPA's Outage Planning and Coordination Policy. The BPA EIM Entity shall then submit this information to the MO's outage management system.

### **8. EIM Settlements and Billing**

Transmission Customers and GI Customers subject to this Attachment Q shall be assessed Energy Imbalance Market Services and Rates pursuant to the Transmission Provider's Transmission, Ancillary, and Control Area Service Rate Schedules and General Rate Schedule Provisions, or its successor.

#### **8.1 EIM Payment Calendar**

Pursuant to Section 29.11(1) of the MO Tariff, the BPA EIM Entity shall be subject to the MO's payment calendar for issuing settlement statements, exchanging invoice funds, submitting meter data, and submitting settlement disputes to the MO. The BPA EIM Entity shall follow Section 7 of this Tariff, Billing and Payment, for issuing invoices regarding the EIM.

#### **8.2 Market Validation and Price Correction**

If the MO modifies the BPA EIM Entity settlement statement in accordance with the MO's market validation and price correction procedures in the MO Tariff, the BPA EIM Entity reserves the right to make corresponding or similar changes to the charges and payments sub-allocated under the Transmission Provider's Transmission, Ancillary, and Control Area Service Rate Schedules and General Rate Schedule Provisions, or its successor.

### **9. Compliance**

#### **9.1 Provision of Data**

Transmission Customers with BPA EIM Participating Resources and BPA EIM Participating Resource Scheduling Coordinators must comply with information requests they receive directly from the EIM market monitor or regulatory authorities with competent jurisdiction over the Transmission Customer concerning EIM activities.

A Transmission Customer with BPA EIM Participating Resources or a Transmission Customer with Non-Participating Resources must provide the BPA EIM Entity with all data necessary to respond to information requests received by the BPA EIM Entity from the MO, the EIM market monitor, or regulatory authorities that have jurisdiction over BPA and that concern EIM activities.

If the BPA EIM Entity is required by applicable laws or regulations, or in the course of administrative or judicial proceedings, to disclose information that is otherwise required to be maintained in confidence, the BPA EIM Entity may disclose such information; provided,

however, that upon the BPA EIM Entity learning of the disclosure requirement and, if possible, prior to making such disclosure, the BPA EIM Entity shall notify any affected party of the requirement and the terms thereof. The affected party will have the opportunity to object to disclosure and the information will be withheld if permitted by law. Except for information required to be released under the Freedom of Information Act, 5 U.S.C. § 552, as amended, the BPA EIM Entity shall cooperate with the affected party to obtain proprietary or confidential treatment of confidential information by the person to whom such information is disclosed prior to any such disclosure.

The BPA EIM Entity shall treat all Transmission Customer and GI Customer data and information provided to it as market-sensitive and confidential, unless the BPA EIM Entity is otherwise allowed or required to disclose. The BPA EIM Entity shall continue to abide by the Standards of Conduct under section 4 of the body of the Tariff and handle customer information accordingly.

## **9.2 Rules of Conduct**

These rules of conduct are intended to provide fair notice of the conduct expected and to provide an environment in which all parties may participate in the EIM on a fair and equal basis.

Transmission Customers must:

- (1) Comply with Dispatch Instructions and BPA EIM Entity operating orders in accordance with Good Utility Practice. If some limitation prevents the Transmission Customer from fulfilling the action requested by the MO or the BPA EIM Entity, the Transmission Customer must immediately and directly communicate the nature of any such limitation to the BPA EIM Entity;
- (2) Submit bids for resources that are reasonably expected to both be and remain available and capable of performing at the levels specified in the bid, based on all information that is known or should have been known at the time of submission;
- (3) Notify the MO and/or the BPA EIM Entity, as applicable, of outages in accordance with Section 7 of this Attachment Q;
- (4) Provide complete, accurate, and timely meter data to the BPA EIM Entity in accordance with the metering and communication requirements of this Tariff, and maintain responsibility to ensure the accuracy of such data communicated by any customer-owned metering or communications systems. To the extent such information is not accurate or timely when provided to the BPA EIM Entity, the Transmission Customer shall be responsible for any consequence on settlement and billing;
- (5) Provide information to the BPA EIM Entity, including the information requested in Sections 4.2.1, 4.2.2, 4.2.3, 4.2.4 and 9.1 of this Attachment Q, by the applicable deadlines; and
- (6) Utilize commercially-reasonable efforts to ensure that forecasts are accurate and based on all information that is known or should have been known at the time of submission to the BPA EIM Entity.

### **9.3 Enforcement**

The BPA EIM Entity may refer a violation of Section 9.2 of this Attachment to the CAISO Department of Market Monitoring or FERC. Nothing in this Section 9 is meant to limit the BPA EIM Entity from pursuing any other remedy available to it.

## **10. Market Contingencies**

### **10.1 Temporary Suspension by the MO**

In the event that the MO implements a temporary suspension in accordance with Section 29.1(d)(1) of the MO Tariff, including the actions identified in Section 29.1(d)(5), temporary schedules shall be utilized in accordance with the Transmission Provider's Transmission, Ancillary, and Control Area Service Rate Schedules and General Rate Schedule Provisions, or its successor in accordance with Sections 10.4.1 and 10.4.2 of this Attachment Q until the temporary suspension is no longer in effect or, if the MO determines to extend the suspension, for a period of time sufficient to process termination of the BPA EIM Entity's participation in the EIM in accordance with Section 29.1(d)(2) of the MO Tariff.

### **10.2 Termination of Participation in EIM by the BPA EIM Entity**

If the BPA EIM Entity submits a notice of termination of its participation in the EIM to the MO in accordance with the applicable agreements and Section 4.1.1.5 of this Attachment Q, in order to mitigate price exposure during the 180-day period between submission of the notice and the termination effective date, the BPA EIM Entity may invoke the following corrective actions by requesting that the MO:

- (1) prevent EIM Transfers and separate the BPA EIM Entity's BAA from operation of the EIM in the EIM Area; and
- (2) suspend settlement of EIM charges with respect to the BPA EIM Entity. Once such corrective actions are implemented by the MO, the BPA EIM Entity shall utilize temporary schedules in accordance with the Transmission Provider's Transmission, Ancillary, and Control Area Service Rate Schedules and General Rate Schedule Provisions, or its successor.

If the BPA EIM Entity takes action under this Section 10.2, the BPA EIM Entity shall notify the MO and Transmission Customers.

### **10.3 Corrective Actions Taken by the BPA EIM Entity for Temporary Contingencies**

The BPA EIM Entity may declare a temporary contingency and invoke corrective actions for the EIM when in its judgment -

- (1) operational circumstances (including a failure of the EIM to produce feasible results in BPA's BAA) have caused or are in danger of causing an abnormal system condition in BPA's BAA that requires immediate action to prevent loss of load, equipment damage, or tripping system elements that might result in



- cascading outages, or to restore system operation to meet the applicable Reliability Standards and reliability criteria established by NERC and WECC; or
- (2) communications between the MO and the BPA EIM Entity are disrupted and prevent the BPA EIM Entity, the BPA EIM Entity Scheduling Coordinator, or a BPA EIM Participating Resource Scheduling Coordinator from accessing MO systems to submit or receive information.

### **10.3.1 Corrective Actions for Temporary Contingencies**

If either of the above temporary contingencies occurs, the BPA EIM Entity may take corrective actions as it deems appropriate or it may invoke the following corrective actions by requesting that the MO:

- (1) prevent EIM Transfers and separate the BPA EIM Entity's BAA from operation of the EIM in the EIM Area; and/or
- (2) suspend settlement of EIM charges with respect to the BPA EIM Entity.

When corrective action under only 10.3.1(1) is implemented, and the MO requests an alternative price under Section 29.7(j)(2)(D) of the MO Tariff, the Transmission Provider shall request that the MO settle EIM charges at the rate for temporary contingences in accordance with the Transmission Provider's Transmission, Ancillary, and Control Area Service Rate Schedules and General Rate Schedule Provisions, or its successor. When corrective action under 10.3.1 (2) is implemented or if the MO Tariff requires the use of temporary schedules, the Transmission Provider will utilize temporary schedules in accordance with the Transmission Provider's Transmission, Ancillary, and Control Area Service Rate Schedules and General Rate Schedule Provisions, or its successor.

If the BPA EIM Entity takes action under this Section 10.3, the BPA EIM Entity shall notify the MO and Transmission Customers. The BPA EIM Entity and the MO shall cooperate to resolve the temporary contingency event and restore full EIM operations as soon as is practicable.

## **10.4 Temporary Schedules 4, 9**

### **10.4.1 Temporary Schedule 4 Energy Imbalance Service**

Schedule 4, Energy Imbalance Service, is the Temporary Schedule 4.

### **10.4.2 Temporary Schedule 9 Generator Imbalance Service**

Schedule 9, Generator Imbalance Service, is the Temporary Schedule 9.