

Appendix A – Master Definition Supplement

This document is in two parts. The first set of redlines depicts all new proposed definitions. All are shown in full redline.

The second set of redlines depicts proposed changes to existing definitions that are currently effective.

Appendix A
Potential New Definitions

- Default Generation Aggregation Point (DGAP)

The aggregation of Supply PNodes in a Balancing Authority Area, with Generation Distribution Factors that are proportional to the maximum capacity of the Supply resources at the Supply PNodes.

Commented [A1]: Does this concept apply to the CAISO BAA? If not, specify "EDAM Balancing Authority Area".

- Diversity Benefit

The quantity by which procurement requirements for Balancing Authority Areas that pass either the EDAM RSE or the EIM RSE can be relaxed, as described in Section 33.31.1.9 and Section 29.34(m)(2)-(5), respectively.

Commented [A2]: There does not appear to be a draft tariff provision with that number.

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- EDAM Access Charge

The Access Charge that provides for historical transmission revenue recovery through the Extended Day-Ahead Market pursuant to Section 33.26.

- EDAM Addendum to EIM Entity Agreement

An addendum to an EIM Entity Agreement between an EDAM Entity and the CAISO that constitutes an agreement to join and participate in the EDAM. A *pro forma* version of the EDAM Addendum to EIM Entity Agreement is set forth in Appendix B.

- EDAM Addendum to EIM Entity Scheduling Coordinator Agreement

An addendum to an EIM Entity Scheduling Coordinator Agreement that constitutes an agreement between an EDAM Entity Scheduling Coordinator and the CAISO. A *pro forma* version of the EDAM Addendum to EIM Entity Scheduling Coordinator Agreement is set forth in Appendix B.

- EDAM Addendum to EIM Participating Resource Agreement

An addendum to an EIM Participating Resource Agreement that constitutes an agreement between an EDAM Resource and the CAISO. A *pro forma* version of the EDAM Addendum to EIM Participating Resource Agreement is set forth in Appendix B.

- EDAM Addendum to EIM Participating Resource Scheduling Coordinator Agreement

An addendum to an EIM Participating Resource Scheduling Coordinator Agreement that constitutes an

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agreement between an EDAM Resource Scheduling Coordinator and the CAISO. A *pro forma* version of the EDAM Addendum to EIM Participating Resource Scheduling Coordinator Agreement is set forth in Appendix B.

- EDAM Administrative Charge

The fee imposed on transactions in the EDAM, as described in Section 33.11.6.

- EDAM Area

The combined CAISO Balancing Authority Area and all EDAM Entity Balancing Authority Areas.

- EDAM Balancing Authority Area

The CAISO Balancing Authority Area and all EDAM Entity Balancing Authority Areas.

Commented [A3]: Reference draft Section 33.26.1.

- EDAM Demand

Energy delivered to Load in an EDAM Entity Balancing Authority Area.

Commented [A4]: Would include the CAISO BAA with the new definition of EDAM Balancing Authority Area.

- EDAM Downward Pool

Includes the CAISO and each EDAM Entity that satisfies the downward components of the EDAM Resource Sufficiency Evaluation described in Section 33.31.1.3 in each hour of the Day-Ahead Market, together with each EDAM Entity and the CAISO that has cured its downward failure of the EDAM Resource Sufficiency Evaluation through the IFM and incurred the EDAM RSE Downward Failure Surcharge.

- EDAM Entity

A Balancing Authority that enters into an EDAM Addendum to EIM Entity Agreement with the CAISO to enable the operation of the Day-Ahead Market in addition to the Real-Time Market in the EDAM Entity Balancing Authority Area.

Commented [A5]: We suggest clearly specifying that the CAISO is not included in this definition.

- EDAM Entity Balancing Authority Area

A Balancing Authority Area operated by an EDAM Entity.

Commented [A6]: To distinguish from the definition of EDAM Balancing Authority Area, which includes the CAISO BAA.

- EDAM Entity Implementation Agreement

An agreement between an EIM Entity seeking to become an EDAM Entity, or a Balancing Authority seeking to become an EDAM Entity concurrently with participation in the Energy Imbalance Market as an EIM Entity, and the CAISO, a *pro forma* version of which is set forth in Appendix B.

- EDAM Entity Implementation Date

The first Trading Day for an EDAM Entity in the Day-Ahead Market.

- EDAM Entity Scheduling Coordinator

An EDAM Entity, or a third party designated by the EDAM Entity, that is certified by the CAISO and has entered into an EDAM Entity Addendum to EIM Entity Scheduling Coordinator Agreement under which it is a Scheduling Coordinator and Market Participant and is responsible for meeting the requirements specified in Section 33 on behalf of the EDAM Entity.

- EDAM External Intertie

A point of interconnection between the CAISO Balancing Authority Area or an EDAM Entity Balancing Authority Area and a Balancing Authority Area other than a Balancing Authority Area in the EDAM Area.

- EDAM Intertie

An EDAM Internal Intertie or EDAM External Intertie.

- EDAM Internal Intertie

A point of interconnection between the CAISO Balancing Authority Area or an EDAM Entity Balancing Authority Area and another Balancing Authority Area in the EDAM Area.

- EDAM Legacy Contract

A transmission service contract entered into prior to the effective date of the EDAM Transmission Service Provider tariff or otherwise not governed by the terms of that tariff (including any contract entered into pursuant to such transmission service contract) as may be amended in accordance with its terms or by agreement between the parties thereto from time to time.

- EDAM Load Serving Entity

A Load Serving Entity other than the EDAM Entity within an EDAM Entity Balancing Authority Area that enters into an EDAM Load Serving Entity Agreement with the CAISO.

- EDAM Load Serving Entity Agreement

An agreement between an EDAM Load Serving Entity and the CAISO, a *pro forma* version of which is set forth in Appendix B.

- EDAM Load Serving Entity Scheduling Coordinator

Commented [A7]: To confirm, is the intent that LSEs within the CAISO will be included in this definition?

Commented [A8]: Is the intent that SCs for LSEs within the CAISO be included in this definition?

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An EDAM Load Serving Entity, or a third party designated by the EDAM Load Serving Entity, that is certified by the CAISO and has entered into a Scheduling Coordinator Agreement under which it is a Scheduling Coordinator and Market Participant and is responsible for meeting the requirements specified in Section 33 on behalf of the EDAM Entity.

- EDAM Market Participant

An EDAM Entity, EDAM Entity Scheduling Coordinator, EDAM Resource, EDAM Resource Scheduling Coordinator, EDAM Load Serving Entity, or EDAM Load Serving Entity Scheduling Coordinator.

- EDAM Resource

An owner of, operator of, or seller of Energy from an EDAM Resource Facility located in an EDAM Entity Balancing Authority Area.

- EDAM Resource Facility

A resource that (1) can deliver Energy, Curtailable Demand, Demand Response Services, or similar services; (2) is a Generating Unit, a Load of a Participating Load, or a Demand Response Resource or other CAISO-qualified resource; (3) is located within an EDAM Entity Balancing Authority Area; and (4) is listed in, and subject to, an EDAM Addendum to EIM Participating Resource Agreement.

- EDAM Resource Scheduling Coordinator

The EDAM Resource, or a third party designated by the EDAM Resource, that is certified by the CAISO and enters into an EDAM Resource Scheduling Coordinator Agreement under which it is a Scheduling Coordinator and Market Participant and is responsible for meeting the requirements specified in Section 33 on behalf of the EDAM Resource.

- EDAM Resource Sufficiency Evaluation

A set of tests that determines whether EDAM Entity Balancing Authority Areas have sufficient supply and reserves to satisfy the resource sufficiency requirements described in Section 33.31.11.

- EDAM RSE Downward Failure Insufficiency Surcharge

The surcharge assessed to a Balancing Authority Area in the EDAM Area due to a failure of the EDAM RSE in the downward direction on any day and in any hour, as provided in Section 33.31.1.5.3.

- EDAM RSE Failure Multiplier

Commented [A9]: Shouldn't this definition include the CAISO and parallel CAISO Day-Ahead Market participants?

Commented [A10]: It appears that EDAM Resource and related terms include resources within the CAISO. Is this the intent?

Commented [A11]: Would include the CAISO BAA with the new definition of EDAM Balancing Authority Area.

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A tiered component of the EDAM RSE On-Peak Upward Failure Insufficiency Surcharge. Where a Balancing Authority Area's EDAM RSE Hourly Upward Deficiency Quantity is *de minimis* (a tier 1 EDAM RSE failure), such threshold determined as the higher of 10 MW or one percent of the Balancing Authority Area's upward imbalance reserve requirement for that hour, the EDAM RSE Failure Multiplier is zero. Where a Balancing Authority Area's EDAM RSE Hourly Upward Deficiency Quantity is less than or equal to fifty percent of the Balancing Authority Area's upward Imbalance Reserve requirement (a tier 2 EDAM RSE failure), the EDAM RSE Failure Multiplier is 1.25. Where a Balancing Authority Area's EDAM RSE Hourly Upward Deficiency Quantity is greater than fifty percent of the Balancing Authority Area's upward Imbalance Reserve requirement (a tier 3 EDAM RSE failure), the EDAM RSE Failure Multiplier is 2. With respect to tier 2 or tier 3 EDAM RSE failure in the upward direction, the EDAM RSE Failure Multiplier is subject to an adder consisting of the EDAM RSE Failure Scaling Factor.

- EDAM RSE Failure Scaling Factor

An adder to the EDAM RSE Failure Multiplier calculated on a rolling basis to account for hours in which a Balancing Authority Area in the EDAM Area persistently fails the EDAM RSE in the upward direction over the preceding thirty days, with the EDAM RSE Failure Scaling Factor adding one percent to the EDAM RSE Failure Multiplier for every additional day during the preceding thirty-day period in which the Balancing Authority Area experienced a tier 2 or tier 3 failure of the EDAM RSE in the upward direction.

- EDAM RSE Hourly Downward Deficiency Quantity

The MW sum total of the downward failures during any single operating hour inclusive of the downward demand deficiency described in Section 33.31.1.3, the downward imbalance reserve deficiency described in Section 33.31.1.2, or the downward Ancillary Services deficiency described in Section 33.31.1.4.

- EDAM RSE Hourly Upward Deficiency Quantity

The MW sum total of the upward failures during any single operating hour inclusive of the upward demand deficiency described in Section 33.31.1.3.1, the upward imbalance reserve deficiency described in Section 33.31.1.2, or the upward ancillary services deficiency described in Section 33.31.1.4.

- EDAM RSE Off-Peak Upward Failure Insufficiency Surcharge

The surcharge assessed to a Balancing Authority Area in the EDAM Area due to a tier 2 or tier 3 failure of

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the EDAM RSE in the upward direction on any day Monday through Saturday in the off-peak hours of midnight to 6 am or 10 pm to midnight and all hours on Sunday or any legal public holiday, as provided in Section 33.31.1.5.2.

- EDAM RSE On-Peak Upward Failure Insufficiency Surcharge

The surcharge assessed to a Balancing Authority Area in the EDAM Area due to a tier 2 or tier 3 failure of the EDAM RSE in the upward direction on any day Monday through Saturday during the sixteen-hour on-peak block from 6 am to 10 pm as provided in Section 33.31.1.5.1.

- EDAM RSE On-Peak Upward Credit

A component of the EDAM RSE On-Peak Upward Failure Insufficiency Surcharge to account for hours during the sixteen-hour on-peak period in which the Balancing Authority Area satisfies the upward requirements of the demand evaluation described in Section 33.31.1.3.1, the Imbalance Reserve evaluation described in Section 33.31.1.3.2, or the Ancillary Services evaluation described in Section 33.31.1.3.3, and determined as the product of the highest EDAM RSE Hourly Upward Deficiency Quantity of the day and the load-weighted average LMP of the LAP within that Balancing Authority Area in each passed hour.

Commented [A12]: Should this be "and"?

- EDAM System Operations Charge

The System Operations Charge for the Extended Day-Ahead Market described in Section 33.11.6.

- EDAM Trade Location

The major bilateral trading hubs where energy is traded day-ahead for sixteen-hour on-peak blocks and at which there is sufficient liquidity to allow the CAISO to utilize the day-ahead hub price for the sixteen-hour on-peak block as a means to index the EDAM RSE On-Peak Upward Failure Insufficiency Surcharge, as identified in the Business Practice Manuals for the Extended Day-Ahead Market. [Note to stakeholders: Palo Verde and Mid-C to be included in BPM listing on initial release]

- EDAM Transfer

The scheduled transfer of Energy, Imbalance Reserves, or Reliability Capacity in the Day-Ahead Market between an EDAM Entity Balancing Authority Area and the CAISO Balancing Authority Area, or between EDAM Entity Balancing Authority Areas, using transmission capacity made available through the

Extended Day-Ahead Market.

- EDAM Transmission Ownership Right

Ownership rights by a third-party on transmission facilities within an EDAM Entity Balancing Authority Area that are not subject to an EDAM Transmission Service Provider tariff.

- EDAM Transmission Service Information

Information provided by an EDAM Entity to the CAISO about transmission capacity available for use in the Extended Day-Ahead Market.

-EDAM Transmission Service Provider

An EDAM Entity or other party that owns transmission or has transmission service rights on an EDAM Intertie or within an EDAM Entity Balancing Authority Area that makes transmission service available for use in the Day-Ahead Market through an EDAM Entity.

Commented [A13]: To confirm, is the intent that the CAISO not be included in this definition? Suggest clarifying.

- EDAM Upward Pool

Includes each EDAM Entity and the CAISO that satisfies the upward components of the EDAM Resource Sufficiency Evaluation described in Section 33.31.1.3 in each hour of the Day-Ahead Market, together with each EDAM Entity and the CAISO that has cured its upward failure of the EDAM Resource Sufficiency Evaluation through the IFM and incurred the EDAM RSE On-Peak Upward Failure Surcharge or the EDAM RSE Off-Peak Upward Failure Surcharge.

- EIM Balancing Authority Area

The CAISO Balancing Authority Area and all EIM Entity Balancing Authority Areas.

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- EIM Resource Sufficiency Evaluation

A test that determines whether EIM Entity Balancing Authority Areas have sufficient supply and reserves to meet forecasted Demand and uncertainty for the EIM, as described in Section 29.34(l)-(n).

- Extended Day-Ahead Market (EDAM)

The Day-Ahead Market for EDAM Market Participants, as set forth in Section 33 of the CAISO Tariff.

- Generic Generation Aggregation Point (GGAP)

The aggregation of the Default Generation Aggregation Points of Balancing Authority Areas outside the

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Market Area. The CAISO uses a northwest GGAP for Scheduling Points in the northwestern U.S. and a southwest GGAP for Scheduling Points in the southwestern U.S.

- Greenhouse Gas (GHG)

Carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), sulfur hexafluoride (SF₆), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and other fluorinated greenhouse gases as defined by regulations of the California Air Resources Board and the Washington Department of Ecology.

- GHG Bid Adder

A component of a Bid from a Supply resource located outside of a GHG Regulation Area composed of a MW quantity and price that provides the Supply resource an opportunity to recover costs of compliance with GHG regulations adopted by the California Air Resources Board and the Washington Department of Ecology. There can be different GHG Bid Adders for different GHG Regulation Areas.

- GHG Regulation Area

The Nodes of the CAISO Balancing Authority Area, an EDAM Entity Balancing Authority Area, or an EIM Entity Balancing Authority Area within a state jurisdiction that has priced greenhouse gas emissions as part of a state carbon reduction law or regulation.

- GHG Transfer

The algebraic difference (positive for imports and negative for exports) between Energy Demand and Supply in a GHG Regulation Area as modeled by the CAISO in its Integrated Forward Market, Fifteen-Minute Market, and Real-Time Dispatch.

- Market Area

The EDAM Area for purposes of the Day-Ahead Market and the EIM Area for purposes of the Real-Time Market.

- Market Area Intertie

An EDAM Intertie or EIM Intertie.

- Market Transfer

The exchange of Energy or a capacity product (Regulation, contingency reserves, upward or downward Imbalance Reserve, or upward or downward Reliability Capacity) in the Market Area. A Market Transfer

Commented [A15]: Are Regulation and contingency reserves "Market Transfers," since the CAISO only procures A/S for the CAISO BAA?

is modeled as a pair of logical intertie resources at the relevant intertie that consist of an export resource on the source Balancing Authority Area side of the Market Transfer and an import resource on the sink Balancing Authority Area side of the Market Transfer. Market Transfers include EDAM Transfers and EIM Transfers.

- Net Market Transfer

The net of all import and export Market Transfers between a Balancing Authority Area in the Market Area and all other Balancing Authority Areas in the Market Area. Each Net Market Transfer consists of a positive net export amount and a corresponding negative net import amount, with the sum of the Net Market Transfers of all Balancing Authority Areas in the Market Area netting to zero. A Net Market Transfer does not include imports from or exports to Balancing Authority Areas outside of the Market Area.

- Transfer Location

A PNode at a boundary between Balancing Authority Areas in the Market Area where Market Transfers are defined.

- Transfer System Resource (TSR)

A System Resource used to model an Energy and/or capacity Market Transfer between two Balancing Authority Areas in the Market Area which is modeled by a pair of export and import Transfer System Resources, one for each Balancing Authority Area on either side of the Market Transfer, with equal Energy Schedules and/or capacity awards.

Appendix A

Potential Amended Definitions

- Aggregate Capability Constraint

A constraint that reflects the combined maximum and the combined minimum capability of Generating Units that comprise a single Generating Facility so that the capability does not exceed the Generating Facility's Interconnection Service Capacity or charging capacity specified in its Generator Interconnection

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Agreement. In the case of EDAM Resource Facilities, a constraint that reflects the combined maximum and the combined minimum capability of individual EDAM Resource Facilities that constitute a single resource. In the case of EIM ~~Participating~~ Resources, a constraint that reflects the combined maximum and the combined minimum capability of individual EIM ~~Participating~~ Resources or non-participating resources that constitute a single resource. Do EDAM Entities or EIM Entities develop the constraints differently from CAISO?

Commented [A16]: If EDAM Resource Facilities include CAISO resources, this addition could be interpreted to remove the requirement that the ACC be limited to the Interconnection Service Capacity.

- Base ~~Market Model~~ Market

A computer based model of the CAISO Controlled Grid, and for purposes of the Extended Day-Ahead Market, including the prospective EDAM Entity and EDAM Entity Balancing Authority Area(s), and for purposes of the Energy Imbalance Market, including the prospective EIM Entity and EIM Entity Balancing Authority Area(s), that is derived from the Full Network Model as described in Section 27.5.1 and that, as described further in Section 27.5.6, is used as the basis for formulating the market models used in the operation of each of the CAISO Markets.

- CAISO Forecast of ~~CAISO-BAA~~ Demand

The forecast of a CAISO-Balancing Authority Area's Demand for the CAISO and EDAM Entities made by the CAISO in conjunction with EDAM Entities for use in the CAISO Markets.

- CAISO Metered Entity

Pursuant to Section 10.1, an eligible entity that has elected that the CAISO will collect and process its Revenue Quality Meter Data directly from CAISO certified revenue quality meters. Eligible entities include:

- (a) any one of the following entities that is directly connected to the CAISO Controlled Grid:
 - i. a Generator other than a Generator that sells all of its Energy (excluding any Station Power that is netted pursuant to Section 10.1.3) and Ancillary Services to the Utility Distribution Company or Small Utility Distribution Company in whose

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- Service Area it is located;
- ii. an MSS Operator; or
 - iii. a Utility Distribution Company or Small Utility Distribution Company; and
- (b) any one of the following entities:
- i. a Participating Generator;
 - ii. a Participating TO in relation to its Tie Point Meters with other TOs or Balancing Authority Areas;
 - iii. a Participating Load;
 - iv. a Participating Intermittent Resource;
 - v. an EDAM Resource;
 - vi. an EIM Participating Resource; or
 - vii. a utility that requests that Unaccounted For Energy for its Service Area be calculated separately, in relation to its meters at points of connection of its Service Area with the systems of other utilities.

- CAISO Markets

Any of the markets administered by the CAISO under the CAISO Tariff, including, without limitation, the DAM, EDAM, RTM, EIM, transmission, and Congestion Revenue Rights market.

- Co-located Resources

A Generating Unit with a unique Resource ID that is part of a Generating Facility with other Generating Units, an EDAM Resource Facility with a unique Resource ID that is part of a single resource with other EDAM Resource Facilities, or An EIM-Participating Resource with a unique Resource ID that is part of a single resource with other EIM Participating Resources.

- Connected Entity

A Participating TO or any party that owns or operates facilities that are electrically interconnected with the

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CAISO Controlled Grid, or, for purposes of scheduling and operating the Day-Ahead Market only, electrically connected with the transmission system of an EDAM Transmission Service Provider, or, for purposes of scheduling and operating the Real-Time Market only, electrically connected with the transmission system of an EIM Transmission Service Provider.

- Curtailed Demand

Demand from a Participating Load or Aggregated Participating Load that can be curtailed at the direction of the CAISO in the Real-Time Dispatch of the CAISO Controlled Grid, or, for purposes of scheduling and operating the Day-Ahead Market only, in the EDAM Area, or, for purposes of scheduling and operating the Real-Time Market only, in the EIM Area.

- Contingency

A potential Outage that is unplanned, viewed as possible or eventually probable, which is taken into account when considering approval of other requested Outages or while operating the CAISO Balancing Authority Area, an EDAM Balancing Authority Area, or an EIM Entity Balancing Authority Area. Contingencies include potential Outages due to Remedial Action Schemes.

* * * * *

- EIM Administrative Charge

The fee imposed on transactions in the eEnergy imbalance mMarket as described in Section 29.11(i)(1).

[The definition below is currently pending in the RSEE initiative filing for phase 2]

- EIM Assistance Energy Transfer Surcharge

An after-the-fact charge of \$1.000/MWh when the Soft Energy Bid Cap is in effect that will increase to \$2.000/MWh when the Hard Energy Bid Cap is in effect and is paid by a participating Balancing Authority Area in the EIM Area pursuant to Section 29.11(t)(1)(A).

- [Not Used]EIM Bid Adder

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~~A Bid component composed of a MW quantity and price that provides EIM Participating Resources an opportunity to recover costs of compliance with California Air Resources Board greenhouse gas regulations.~~

- EIM Demand

Energy delivered to Load internal to an EIM Entity Balancing Authority Area.

- EIM Downward Available Balancing Capacity

Any downward capacity from an EIM Participating Resources or a non-participating resource that an EIM Entity Scheduling Coordinator or EIM Sub-Entity Scheduling Coordinator has identified in the EIM Resource Plan as available to address power balance and transmission constraint violations in the EIM Balancing Authority Area.

- EIM Manual Dispatch

A Dispatch by an EIM Entity or EIM Sub-Entity to an EIM Participating Resource or a non-participating resource for which it is responsible, outside of Market Clearing of the Real-Time Market.

- EIM Mirror System Resource

A System Resource at a Scheduling Point registered to an EIM Entity for mirroring CAISO or EDAM Entity intertie schedules at that Scheduling Point, when the associated Energy is generated at, wheeled through, or consumed at the corresponding EIM Entity Balancing Authority Area.

- EIM Resource Plan

The combination of EIM Base Schedules for Demand, Generation, and Interchange, the ancillary services plans of the EIM Entity, and the Bid ranges of EIM Participating Resources, as specified in more detail in Section 29.34(e)(4).

- EIM Upward Availability Balancing Capacity

Any upward capacity from an EIM Participating Resources or a non-participating resource that an EIM Entity Scheduling Coordinator or EIM Sub-Entity Scheduling Coordinator has identified in the EIM

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Resource Plan as available to address power balance and transmission violations in the EIM Balancing Authority Area.

- End-Use Customer or End-User

A consumer of electric power who consumes such power to satisfy a Load directly connected to the CAISO Controlled Grid, a Distribution System, or, for purposes of scheduling and operating the Day-Ahead Market only, the transmission system of an EDAM Transmission Service Provider who does not resell the power, or, for purposes of scheduling and operating the Real-Time Market only, the transmission system of an EIM Transmission Service Provider who does not resell the power.

- Generating Unit

An individual electric generator and its associated plant and apparatus whose electrical output is capable of being separately identified and metered or a Physical Scheduling Plant that, in either case, is: (a) located within the CAISO Balancing Authority Area (which includes a Pseudo-Tie of a generating unit to the CAISO Balancing Authority Area), or, for purposes of scheduling and operating the Day-Ahead Market only, an EDAM Entity Balancing Authority Area, or, for purposes of scheduling and operating the Real-Time Market only, an EIM Entity Balancing Authority Area; (b) connected to the CAISO Controlled Grid, either directly or via interconnected transmission, or distribution facilities or via a Pseudo-Tie; and (c) capable of producing and delivering net Energy (Energy in excess of a generating station's internal power requirements).

- Greenhouse Gas Emission Cost Revenue

The revenues associated with the MWh compensation paid to a an EIM Participating Rresource that has Energy supporting a GHG Transfer to deemed delivered to a GHG Regulation Area compliance area priced at the Marginal Greenhouse Gas Cost multiplied by -1.

- Gross Load

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Demand (adjusted for distribution losses) of End-Use Customer Loads directly connected to the transmission facilities or directly connected to the Distribution System of a Utility Distribution Company or MSS Operator located in a PTO Service Territory, or directly connected to the transmission facilities or Distribution System of an EDAM Transmission Service Provider in an EDAM Entity Balancing Authority Area. Gross Load includes Load served by Excess Behind the Meter Production. Excess Behind the Meter Production shall not be netted against End-Use Customer Load in determining Gross Load. Gross Load excludes:

- (1) Load with respect to which the Wheeling Access Charge is payable;
- (2) Load that is exempt from the Access Charge pursuant to Section 4.1 of Appendix I;
- (3) Load of an individual retail customer served by its own onsite Generating Unit or energy storage device, or as authorized by Section 218 of the California Public Utilities Code;
- (4) Onsite Load served by a qualifying small power production facility or qualifying cogeneration facility, as those terms are defined in the FERC's regulations implementing Section 201 of the Public Utility Regulatory Policies Act of 1978; and
- (5) Load secured by Standby Service from a Participating TO under terms approved by a Local Regulatory Authority or FERC, as applicable, or can be curtailed concurrently with an Outage of the Generating Unit serving the Load.

Gross Load forecasts consistent with filed Transmission Revenue Requirements will be provided by each Participating TO to the CAISO. For purposes of this definition, Generating Units, storage devices, and Loads will be considered onsite where they share, or are sub-metered behind, the same meter.

- Interchange

Imports and exports between the CAISO Balancing Authority Area and other Balancing Authority Areas, and, for purposes of scheduling and operating the Day-Ahead Market only, between an EDAM Entity Balancing Authority Area and another Balancing Authority Area, and, for purposes of scheduling and operating the Real-Time Market only, between an EIM Entity Balancing Authority Area and another Balancing Authority Area.

- Interchange Schedule

A final agreed-upon schedule of Energy to be transferred between the CAISO Balancing Authority Area and another Balancing Authority ~~Area~~ and, for purposes of scheduling and operating the Day-Ahead Market only, between an EDAM Entity Balancing Authority Area and another EDAM Entity Balancing Authority Area, and, for purposes of scheduling and operating the Real-Time Market only, between an EIM Entity Balancing Authority Area and another Balancing Authority Area.

Commented [A17]: Does this mean any other BAA? Is this consistent with the apparent limitation in the next phrase for EDAM BAA to EDAM BAA interchange. The limitation in the later phrase also seems inconsistent with the definition of "Interchange".

- Interconnection Facilities

~~The Participating TO's Interconnection Facilities and the Interconnection Customer's Interconnection Facilities.~~ Collectively, Interconnection Facilities include all facilities and equipment between the Generating Facility and the Point of Interconnection, including any modification, additions or upgrades that are necessary to physically and electrically interconnect the Generating Facility to the CAISO Controlled Grid or EDAM transmission system. Interconnection Facilities are sole use facilities and shall not include Distribution Upgrades, Stand Alone Network Upgrades or Network Upgrades.

- Load Serving Entity (LSE)

Any entity (or the duly designated agent of such an entity, including, e.g., a Scheduling Coordinator), including a load aggregator or power marketer, that (a) (i) serves End Users within the ~~CAISO Balancing Authority Area~~ or the EDAM Area and (ii) has been granted authority or has an obligation pursuant to state or local law, regulation, or franchise to sell electric energy to End Users located within the ~~CAISO Balancing Authority Area~~ or the EDAM Area; (b) (i) is an End User, (ii) has been granted authority pursuant to state or local law or regulation to serve its own Load through the purchase of electric energy from an entity that does not qualify as a Load Serving Entity, and (iii) serves its own Load through purchases of electric energy from an entity that does not qualify as a Load Serving Entity with respect to such purchases of electric energy, or (c) is a federal power marketing authority that serves End Users. Notwithstanding the above, an entity is not a Load Serving Entity under this definition solely because it

provides electric energy at no cost to its tenants or because it purchases or sells electric energy from a generating resource pursuant to a state or local law or regulation that permits the generating resource to make direct sales of electric energy to an End User, the rates, terms, and conditions of which sale are not subject to regulation by a Local Regulatory Authority.

- Marginal Greenhouse Gas Cost (Marginal GHG Cost)

~~The marginal cost of resources outside of a GHG Regulation Area selected by the IFM, FMM, and RTD to support GHG Transfers into that a GHG Regulation Area.~~

~~The marginal cost of GHG compliance when serving load in a GHG compliance area by an EIM Participating Resource not located within the GHG compliance area.~~

Commented [A18]: Necessary in view of the fact that there can be different Marginal Greenhouse Gas Costs for different GHG Regulation Areas.

- Market Participant

An entity, including a Scheduling Coordinator, who: (1) participates in the CAISO Markets through the buying, selling, transmission, or distribution of Energy, capacity, or Ancillary Services into, out of, or through the CAISO Controlled Grid; (2) is a CRR Holder or Candidate CRR Holder; (3) is a Convergence Bidding Entity; (4) for purposes of scheduling and operating the Day-Ahead Market only, is an EDAM Market Participant; or ~~or~~ (5) for purposes of scheduling and operating the Real-Time Market only, is an EIM Market Participant.

- Net Imbalance Energy Export

The Net Imbalance Energy Export is the net Imbalance Energy imported into the CAISO Balancing Authority Area from EDAM Entity Balancing Authority Areas or EIM Entity Balancing Authority ~~Areas~~.

Commented [A19]: This definition seems backwards and potentially incomplete. Is the term intended to apply to any BAA participating in the EDAM or EIM?

- Network Upgrades

The additions, modifications, and upgrades to the CAISO Controlled Grid or EDAM transmission system required at or beyond the Point of Interconnection and Distribution System to accommodate the interconnection of the Generating Facility to the CAISO Controlled Grid. Network Upgrades shall consist

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~~of Delivery Network Upgrades and Reliability Network Upgrades.~~ Network Upgrades do not include Distribution Upgrades or Interconnection Facilities.

- Node

A point in the Full Network Model representing a physical location within the CAISO Balancing Authority Area, the CAISO Controlled Grid, the EDAM Area, or the EIM Area, which includes the Load and Generating Unit busses in the EDAM Area or EIM Area (which includes a Pseudo-Tie of a Generating Unit to a Balancing Authority Area in the EDAM Area or EIM Area), and at the Intertie busses between (i) the CAISO Balancing Authority Area, an EDAM Entity Balancing Authority Area, or an EIM Entity Balancing Authority Area and (ii) an interconnected Balancing Authority Area.

- Point of Interconnection

The point, as set forth in Appendix A to the Large Generator Interconnection Agreement or Attachment 3 to the Small Generator Interconnection Agreement, where the Interconnection Facilities connect to the CAISO Controlled Grid. For Generating Facilities connected to the Distribution System, the Point of Interconnection is the point at which the Generating Facility connects to the CAISO Controlled Grid. For an EDAM Resource Facility, the Point of Interconnection is the point at which the EIM DAM Resource Facility connects to the EDAM Transmission Service Provider's transmission facilities. For an EIM ~~Participating~~ Resource or non-participating resource, the Point of Interconnection is the point at which the EIM ~~Participating~~ Resource or non-participating resource connects to an EIM Transmission Service Provider's transmission facilities~~Entity's transmission facilities~~.

- Point(s) of Delivery (POD) or Withdrawal

Point(s) within the CAISO Balancing Authority Area, or for purposes of scheduling and operating the Day-Ahead Market only, the EDAM Area where Energy and Ancillary Services are made available to a receiving party under this CAISO Tariff, or, for purposes of scheduling and operating the Real-Time Market only, the EIM Area where Energy and Ancillary Services are made available to a receiving party

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under this CAISO Tariff.

- Point(s) of Receipt (POR) or Injection

Point(s) within the CAISO Balancing Authority Area, or for purposes of scheduling and operating the Day-Ahead Market only, the EDAM Area where Energy and Ancillary Services are made available to a delivering party under this CAISO Tariff. or, for purposes of scheduling and operating the Real-Time Market only, the EIM Area where Energy and Ancillary Services are made available by a delivering party under this CAISO Tariff.

- Real-Time Congestion Offset

The amount calculated pursuant to Section 11.5.4.1.24 for purposes of determining the non-zero offset amount allocation.

- Reference Bus

The Location(s) in the EDAM Area or the EIM Area relative to which mathematical quantities relating to a powerflow solution will be calculated.

- Scheduling Coordinator

An entity certified by the CAISO for the purposes of undertaking the functions specified in Section 4.5.3, including any entity certified by the CAISO as an EDAM Entity Scheduling Coordinator, EDAM Resource Scheduling Coordinator, EDAM Load Serving Entity Scheduling Coordinator, or a Scheduling Coordinator for the purposes of undertaking the functions specified in Section 33, and including any entity certified by the CAISO as an EIM Entity Scheduling Coordinator or an EIM Participating Resource Scheduling Coordinator for the purposes of undertaking the functions specified in Section 29.

- Scheduling Coordinator Metered Entity

Pursuant to Section 10.1, an eligible entity that has elected that its Scheduling Coordinator will process

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and submit its Settlement Quality Meter Data to the CAISO. Eligible entities include:

- i. a Generator, including Participating Generators and QFs;
- ii. a Utility Distribution Company or Small Utility Distribution Company;
- iii. a Participating Intermittent Resource;
- iv. an EDAM Entity, EDAM Resource, or EDAM Load Serving Entity;
- iv. an EIM Entity or EIM Participating Resource;
- v. a Proxy Demand Resource or Reliability Demand Response Resource;
- vi. a Distributed Energy Resource;
- vii. an End User; and
- ixviii. Tie Point Meters with other Transmission Owners or Balancing Authority Areas.

- Scheduling Point

A Location in the Base Market Model at which Scheduling Coordinators may submit Intertie Bids in the CAISO Markets.

- State Estimator

A computer software program that provides the CAISO with a near Real-Time assessment of system conditions within the CAISO Balancing Authority Area, including portions of the CAISO Balancing Authority Area where Real-Time information is unavailable, and, for purposes of the Extended Day-Ahead Market, including the prospective EDAM Entity and EDAM Entity Balancing Authority Area(s), and, for purposes of the Energy Imbalance Market, including the prospective EIM Entity and EIM Entity Balancing Authority Area(s).

- System Resource

A group of resources, single resource, or a portion of a resource located outside of the ~~CAISO Balancing Authority Area~~ Market Area, or, for purposes of scheduling and operating the Real-Time Market only, outside of an EIM Entity Balancing Authority Area, or an allocated portion of a Balancing Authority Area's portfolio of generating resources that are either a static Interchange Schedule or directly responsive to that Balancing Authority Area's Automatic Generation Control (AGC) capable of providing Energy and/or

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Ancillary Services to the CAISO Balancing Authority Area, or, for purposes of the Extended Day-Ahead Market only, to an EDAM Entity Balancing Authority Area(s), or, for purposes of scheduling and operating the Real-Time Market only, to an EIM Entity Balancing Authority Area, provided that if the System Resource is providing Regulation to the CAISO it is directly responsive to AGC.

- ~~System~~ Marginal Energy Cost (SMEC)

The component of the LMP that reflects the marginal cost of providing Energy from a designated reference Location.