

OUTAGE COORDINATION PROTOCOL (OCP)

OCP 1 OBJECTIVES, DEFINITIONS, AND SCOPE

OCP 1.1 Objectives

The objective of the OCP is to enable the ISO to coordinate maintenance [outages](#) as far as possible in advance to allow the ISO to maintain System Reliability and to minimize the quantity and effect of Congestion on the ISO Controlled Grid and Interconnections.

OCP 1.1.1 The Role of the ISO

The ISO Tariff authorizes the ISO to coordinate [outage](#) schedules for maintenance, repair and construction of Generating Units, sections of the ISO Controlled Grid, and Interconnections. This Protocol is designed to enable the ISO to perform this role.

The Facility Owner shall remain solely and directly responsible for the performance of all maintenance work, whether on energized or deenergized facilities, including all activities related to providing a safe working environment.

OCP 1.1.2 ISO Outage Coordination Office

The ISO Outage Coordination Office will be operational Monday through Friday, except holidays, and will accept, schedule, and approve [or deny](#) Maintenance Outage requests [as necessary for the reliable operation of the ISO Controlled Grid](#). The Outage Coordination Office is located in Folsom, ~~and Alhambra and San Diego~~. Each office and the areas of responsibility of that office are [detailed in the most recent version of the applicable ISO Operating Procedures, which are posted on the ISO Home Page](#).

Folsom

- ~~(a) — all transmission lines greater than 230 kV and associated station equipment on the ISO Controlled Grid;~~
- ~~(b) — all ISO Control Area Interconnections;~~
- ~~(c) — all 230 kV and lower voltage transmission lines and associated station equipment identified in the ISO Register as that portion of the ISO Controlled Grid located in the PG&E service area;~~
- ~~(d) — all Reliability Must-Run Generators;~~
- ~~(e) — all Non-Reliability Must-Run Generators as described in OCP 4.4.~~

Alhambra

- ~~(a) — all 230 kV and lower voltage transmission lines and associated station equipment identified in the ISO Register as that portion of the ISO Controlled Grid located in the SCE Service Area.~~

San Diego

~~(a) all 230 kV and lower voltage transmission lines and associated station equipment identified in the ISO Register as that portion of the ISO Controlled Grid located in the SDGE Service Area.~~

OCP 1.2 Definitions

OCP 1.2.1 Master Definitions Supplement

Any word or expression defined in the Master Definitions Supplement to the ISO Tariff shall have the same meaning where used in this Protocol. A reference to a Section or an Appendix refers to a Section or an Appendix of the ISO Tariff unless otherwise indicated. References to OCP are to this Protocol or to the stated paragraph of this Protocol.

OCP 1.2.2 Special Definitions for this Protocol

In this Protocol, the following words and expressions shall have the meaning set opposite them:

“Final Approval” means a statement of consent by the ISO Control Center to initiate a scheduled Outage.

“ISO Home Page” means the ISO internet home page at <http://www.caiso.com> or such other internet address as the ISO shall publish from time to time.

OCP 1.2.3 Rules of Interpretation

- (a) Unless the context otherwise requires, if the provisions of this Protocol and the ISO Tariff conflict, the ISO Tariff will prevail to the extent of the inconsistency. The provisions of the ISO Tariff have been summarized or repeated in this Protocol only to aid understanding.
- (b) Unless the context otherwise requires, if the provisions of this Protocol and that of an existing contract conflict, the existing contract will prevail to the extent of the inconsistency.
- (c) A reference in this Protocol to a given agreement, ISO Protocol or instrument shall be a reference to that agreement or instrument as modified, amended, supplemented or restated through the date as of which such reference is made.
- (d) The captions and headings in this Protocol are inserted solely to facilitate reference and shall have no bearing upon the interpretation of any of the terms and conditions of this Protocol.
- (e) This Protocol shall be effective as of the ISO Operations Date.
- (f) [The Operating Procedures referenced in this Protocol, as may be amended from time to time, shall be posted on the ISO Home Page and such references in this Protocol shall be to the Operating Procedures then posted on the ISO Home Page.](#)

OCP 1.3 Scope

OCP 1.3.1 Scope of Application to Parties

OCP applies to the ISO and to the following:

- (a) ~~Participating Transmission Owners (PTOs)~~ Operators;
- (b) Participating Generators;
- (c) ~~Operators~~;
- ~~(d) —~~ Connected Entities, to the extent the agreement between the Connected Entity and the ISO so provides; and
- ~~(e)~~ Utility Distribution Companies (UDCs).

OCP 1.3.2 ~~Scope of Application to Plant and Systems~~

~~OCP does not apply to Generating Units having a rated capacity of less than 10 MW.~~ [Not Used]

OCP 1.3.3 Liability of the ISO

Any liability of the ISO arising out of or in relation to this Protocol shall be subject to Section 14 of the ISO Tariff as if references to the ISO Tariff were references to this Protocol.

OCP 2 PLANNING OF GENERATING UNIT OUTAGES

OCP 2.1 Reporting for Regulatory Must-Take Generation

Information regarding planned outages for resources providing Regulatory Must-Take Generation shall be provided to the ISO Outage Coordination Office by the Participating TO or UDC having an existing contract with such resource or by a Participating Generator. Information provided will be that obtained by the Participating TO ~~or UDC~~ or a Participating Generator pursuant to the terms of the existing agreement with the Regulatory Must-Take Generation resource or as requested by the ISO. ~~No information is required for individual Regulatory Must-Take Generation resources having a rated capacity of less than 10 MW.~~

OCP 2.2 Data to ISO

All information submitted in relation to planned Generating Unit Outages must be submitted in accordance with OCP 7.

~~Provisional~~ Long Range Planning Program

By October ~~1st~~ 15 of each year, each Participating Generator will provide the ISO in writing with a ~~provisional planned~~ proposed Outage ~~program referred to in this provision~~ schedule for each of its Generating Units (including its Reliability Must-Run Units), and System Units and Aggregated Units for the ~~next~~ following calendar year. The following information is required for each Generating Unit:

- (a) the Generating Unit name and Location Code;

- (b) the MW capacity unavailable;
- (c) the scheduled start and finish date for each Outage; and
- (d) where there is a possibility of flexibility ~~for Reliability Must-Run Units~~, the earliest start date and the latest finish date, along with the actual duration of the outage once it commences.

OCP 2.2.1.1 Additional Maintenance Outages

If conditions require, a Participating Generator may, upon ~~seventy-two (72)~~one hundred twenty (120) hours advance notice (or within the notice period in the Operating Procedures posted on the ISO Home Page), schedule with the ISO Outage Coordination Office a Maintenance Outage affecting any of its units, on its system. The Participating Generator shall supply to the ISO the data set out in OCP 2.2.1 and applicable ISO Operating Procedures as posted on the ISO Home Page.

OCP 2.2.2 Quarterly Updates to Planned Generator Outage Program

Each Participating Generator will provide the ISO with quarterly updates of its long-range Outage ~~program schedule~~ referred to in OCP 2.2.1 for Generating Units and System Units by the close of business on the fifteenth (15th) day of each January, April, and July. These updates must identify known changes to any previously planned Generating Unit Outages and any additional Outages anticipated over the next twelve months from the time of the report. ~~As part of this update~~In this report, each Participating Generator must include all known planned Outages for the following twelve months.

OCP 2.2.3 Changes to Generator Outage Program

In addition to changes made at quarterly Outage schedule submittals, ~~Each~~ each Participating Generator shall notify the ISO in writing of any known changes to a Generator-Generating Unit or System Unit Outage scheduled to occur within the next ~~30~~90 days.

Participating Generators ~~submitting notice of an outage less than seven (7) days before the Outage or who revise the date of a previously scheduled outage to less than seven (7) days before the planned Outage date,~~ must obtain the approval of the ISO Outage Coordination Office in accordance with OCP 4 and Section ~~5.5-12.3.3~~ of the ISO Tariff. Such approval may ~~only~~ be withheld only for reasons of System Reliability or security.

OCP 2.2.4 Changes to Planned Maintenance Outages

A Participating Generator may submit changes to its planned Maintenance Outage ~~program schedule~~ at any time. Changes must be approved by the ISO Outage Coordination Office. Such approval may be withheld only for reasons of System Reliability or security.

OCP 2.2.5 Additional Information Requests

The ISO may request additional information or seek clarification from Participating Generators of the information submitted in relation to a planned Generating Unit ~~and System Unit~~ Outage. [This information may be used to assist the ISO in prioritizing conflicting requests for Outages.](#)

OCP 2.3 ISO Analysis of Generating Unit Outage Plans

OCP 2.3.1 Calculation of Aggregate Generating Capacity

The ISO will use the ~~provisional-long-range~~ Generating Unit ~~or System Unit~~ Outage ~~schedule program-referred to~~referenced in OCP 2.2.1 ~~and, as appropriate, additional approved Outage requests scheduled to start within 90 days,~~ to calculate the aggregate Generation capacity projected to be available in the following time frames:

- (a) on an annual and quarterly basis, the ISO will calculate the aggregate weekly peak Generation capacity projected to be available during each week of the following year and quarter, respectively; and
- (b) on a monthly basis, the ISO will calculate the aggregate daily peak Generation capacity projected to be available during the month.

OCP 2.3.2 System Adequacy Reports

The ISO will publish the following reports comparing the projected aggregate Generation capacity to the peak forecast Demands, as calculated in accordance with the Demand Forecast Protocol (DFP):

- (a) on an annual basis and within eight weeks after receiving the annual or updated ~~provisional-long-range~~ planned Outage ~~programs-schedules~~ from all Participating Generators, the ISO shall publish on ~~WEnet~~ [the ISO Home Page](#) a report comparing the aggregated weekly peak Generation capacity to the weekly peak forecast Demand for the next 52 weeks;
- (b) on a quarterly basis, the ISO shall publish on ~~the ISO Home Page~~ ~~WEnet~~ [the ISO Home Page](#) a report comparing the aggregated weekly peak Generation capacity to the weekly peak forecast Demand for the next 3 months; and
- (c) on a monthly basis, the ISO shall publish on ~~the ISO Home Page~~ ~~WEnet~~ [the ISO Home Page](#) a report comparing the aggregated weekly peak Generation capacity to the weekly peak forecast Demand for the next month.

OCP 2.3.3 Approval of ~~Reliability Must-Run~~ Generation Outages

The information relating to each Maintenance Outage submitted by a Participating Generator ~~with Reliability Must-Run Units~~ in accordance with OCP 2.2.1 ~~constitutes a request for a~~ ~~provisional-long-range~~ Maintenance Outage and is not considered an Approved Maintenance

Outage until the ISO has notified that Participating Generator of such approval pursuant to OCP 4.3.

OCP 3 PLANNING OF ISO CONTROLLED GRID MAINTENANCE

OCP 3.1 Data to ISO

All information submitted in relation to planned Outages of ISO Controlled Grid facilities must be submitted in accordance with OCP 7.

OCP 3.1.1 ~~Provisional~~ Long-Range Program

By October 4st-15 of each year, each Participating TO will provide the ISO in writing with its list of proposed Maintenance Outages for the next calendar year. This list shall include the following data:

- (a) the identification of the facility ~~including Participating TO~~ and location;
- (b) the nature of the proposed Maintenance Outage;
- (c) the preferred start and finish date for each Maintenance Outage; and
- (d) where there is a possibility of flexibility, the earliest start date and the latest finish date, along with the actual duration of the Outage once it commences.

OCP 3.1.1.1 Additional Maintenance Outages

If conditions require, a Participating TO may, upon ~~seventy-two (72)~~ one hundred twenty (120) hours advance notice (or as specified in the Operating Procedures on the ISO Home Page), schedule with the ISO Outage Coordination Office a Maintenance Outage on its system. The Participating TO shall supply to the ISO the data set out in OCP 3.1.1.

OCP 3.1.2 Quarterly Update

Each Participating TO will provide the ISO with quarterly updates of the data provided under OCP 3.1.1 by close of business on the fifteenth (15th) day of each January, April, and July. These updates must identify known changes to any previously planned ISO Controlled Grid facility Maintenance Outages and any additional Outages anticipated over the next twelve months from the time of the report. As part of this update, each Participating TO must include all known planned Outages for the following twelve months.

OCP 3.1.3 Changes to Planned Maintenance Outages

A Participating TO may submit changes to its planned Maintenance Outage information at any time, provided, however, that if the Participating TO cancels an Approved Maintenance Outage after 5:00 a.m. of the day prior to the day upon which the ~~outage~~ Outage is scheduled to commence and the ISO determines that the change was not required to preserve System Reliability, the ISO may disregard the availability of the affected facilities in determining the availability of

transmission capacity in the Day-Ahead Market. The ISO will, however, notify Market Participants and reflect the availability of transmission capacity in the Hour-Ahead Market as promptly as practicable.

OCP 3.1.4 Nature of Maintenance Outage Information

The information relating to each Maintenance Outage submitted by a Participating TO in accordance with OCP 3.1.1 constitutes a request for a ~~provisional~~ long-range Maintenance Outage and is not considered an Approved Maintenance Outage until the ISO has notified the Participating TO of such approval pursuant to OCP 5.4.

OCP 3.1.5 Additional Information

The ISO may request additional information or seek clarification from Participating TOs of the information submitted in relation to a planned Maintenance Outage. This information may be used to assist the ISO in prioritizing conflicting requests for Outages

OCP 3.1.6 Adjacent Control Areas

The ISO will coordinate the exchange of proposed ISO Controlled Grid Maintenance Outages, as appropriate, with the operators of adjacent Control Areas.

OCP 3.2 ISO Analysis of ISO Controlled Grid Outage Plans

OCP 3.2.1 Review of Planned Maintenance Outages

The ISO Outage Coordination Office will review the Maintenance Outages submitted under OCP 2.2 and OCP 3.1 to determine if any one or a combination of Maintenance Outage requests relating to ISO Controlled Grid facilities, ~~or Reliability Must-Run~~ Generating Units or System Units may cause the ISO to violate the Applicable Reliability Criteria. This review will take consideration of factors such as including, but not limited to, the following:

- (a) forecast peak Demand conditions;
- (b) other Maintenance Outages, previously Approved Maintenance Outages, and anticipated ~~Generating Unit~~ Outages;
- (c) potential to cause Congestion; and
- (d) impacts on the transfer capability of Interconnections;
- (e) impacts on the market.

If in the ISO's determination, any of the proposed Maintenance Outages would cause the ISO to violate the Applicable Reliability Criteria, the ISO will notify the relevant ~~Participating Generator or Participating TO Operator~~. The ~~Participating Generator or Participating TO Operator~~ then will revise the proposed ~~maintenance~~ Maintenance

Outage and inform the ISO of the changes pursuant to OCP 2.2 and 3.1.

OCP 3.2.2 Suggested Amendments by the ISO

The ISO Outage Coordination Office may provide each Operator in writing with any suggested amendments to those Maintenance Outage requests rejected by the ISO Outage Coordination Office. Any such suggested amendments will be considered as an ISO maintenance request and will be approved in accordance with the process set forth in Section 2.3.3.6 of the ISO Tariff.

OCP 3.2.3 Direction by the ISO

The ISO Outage Coordination Office may, by providing notice no later than 5:00 a.m. of the day prior to the day upon which the ~~outage~~ Outage is scheduled to commence, direct the Operator ~~of facilities forming part of the ISO-Controlled Grid~~ to cancel an Approved Maintenance Outage, when necessary to preserve or maintain System Reliability or to avoid unduly significant market impacts that would arise if the outage were to proceed as scheduled. The ISO will compensate the applicable Participating TO ~~or Participating Generator~~, pursuant to the provisions of Section 2.3.3.6.3 of the ISO Tariff, for the direct and verifiable costs incurred by that Participating TO ~~or Participating Generator~~ as a result of the ISO's cancellation of an Approved Maintenance Outage. The Operator, acting in accordance with Good Utility Practice, shall comply with the ISO's direction. The ISO shall give notice of any such direction to Market Participants prior to the deadline for submission of initial Preferred Day-Ahead Schedules for the day on which the ~~outage~~ Outage was to have commenced. For purposes of this section, an "unduly significant market impact" means an unplanned event or circumstance (e.g., unseasonable weather, a forced outage of a facility, or other occurrence) that adversely affects the competitive nature and efficient workings of the ISO markets, and is of such severity that a prudent ~~transmission operator~~ Operator would not have scheduled a ~~transmission maintenance~~ Maintenance outage ~~Outage of its facility~~ if the unplanned event or circumstance could have been anticipated.

OCP 4 SCHEDULING AND APPROVAL OF GENERATOR MAINTENANCE OUTAGES

OCP 4.1 Regulatory Must-Take Generation

Scheduling and approvals of ~~Generator~~ Maintenance Outages for resources providing Regulatory Must-Take Generation shall continue to be ~~governed by the~~ coordinated as detailed in the applicable contract with the Participating TO or UDC, provided the Regulatory Must-Take Generator has not executed a Participating Generator Agreement. The Participating TO or UDC will advise the ISO Outage Coordination Office of scheduled and approved Maintenance Outages on resources providing Regulatory Must-Take Generation pursuant to existing

~~contracts. If the Regulatory Must-Take Generator has executed a Participating Generator Agreement, it shall comply with OCP 2 and other provisions applicable to Participating Generators, existing contract with a Participating TO or UDC. The Participating TO or UDC will advise the ISO Outage Coordination Office of scheduled and approved Generator Maintenance Outages on resources providing Regulatory Must-Take Generation if they have a rated capacity of 10 MW or greater when such schedules are established and when Outages are approved pursuant to the terms of the existing contracts.~~

OCP 4.2 Schedule Confirmation and Final Approval of Scheduled Outages Required Under the ISO Tariff

~~Each Participating Generator with resources providing Reliability Must-Run Generation~~ which has scheduled a planned Maintenance Outage pursuant to OCP 2 must schedule and receive approval of the Outage from the ISO Outage Coordination Office in accordance with OCP 4 prior to initiating the Approved Maintenance Outage.

~~Participating Generators must also schedule and secure the approval of the ISO Outage Coordination Office for any Generating Unit Outage scheduled to begin in the next seven (7) days, pursuant to OCP 2.2.3.~~

Under no circumstance shall an Operator start any Approved Maintenance Outage without receiving Final Approval from the ISO Control Center being requested and given in accordance with OCP 4.3.8.

OCP 4.3 Reliability Must-Run Generator Outage Scheduling and Approval

OCP 4.3.1 Data Required

The Operator of a ~~Reliability Must-Run Unit~~ Participating Generator shall submit to the ISO pursuant to OCP 7 its request to confirm the schedule of a planned Maintenance Outage or to change the schedule of a planned Maintenance Outage. Such request must be made to the ISO Outage Coordination Office by no later than 11:30 am ~~three~~ (3) five (5) working days prior to the starting date of the proposed Outage ~~and may not be made more than 7 working days in advance of the proposed Outage (or as specified on the ISO Home Page).~~ Such schedule confirmation request shall specify the following:

- (a) the Generating Unit ~~or System Unit~~ name and Location Code;
- (b) the nature of the maintenance to be performed;
- (c) the date and time the Outage is to begin;
- (d) the date and time the Outage is to be completed;
- (e) the time required to terminate the Outage and restore the Generating Unit to normal capacity;
- (f) identification of primary and alternate telephone numbers for the Operator's single point of contact; and

- (g) in the case of a request for a change to an Approved Maintenance Outage, the date and time of the original Approved Maintenance Outage.

OCP 4.3.2 Delay

The ISO Outage Coordination Office may delay its approval of a scheduled Maintenance Outage for a ~~Reliability Must-Run~~ Participating Unit-Generator if sufficient or complete information is not received by the ISO Outage Coordination Office within the time frames set forth in OCP 4.3.1.

OCP 4.3.3 Acceptance or Rejection of Outage Schedule

The ISO Outage Coordination Office shall acknowledge receipt of each request to confirm or approve a Maintenance Outage for a ~~Reliability Must-Run~~ Generating Unit or System Unit and approve or reject such request in accordance with the Operating Procedures posted on the ISO Home Page within two (2) working hours of the receipt of the request. ~~The ISO Outage Coordination Office shall approve or reject each request within a reasonable time of the receipt of the request but in any event shall notify the Operator of its decision not later than 3:30 pm of the working day after receipt of the request.~~

OCP 4.3.4 Withdrawal or Modification of Request

The ~~Operator of the Reliability Must-Run Unit~~ Participating Generator may withdraw a request at any time prior to actual commencement of the Outage. The ~~Operator of the Reliability Must-Run Unit~~ Participating Generator may modify a request at any time prior to receipt of any acceptance or rejection notice from the ISO Outage Coordination Office or pursuant to OCP 4.3.1, but the ISO Outage Coordination Office shall have the right to reject such modified request for reasons of System Reliability, system security or market impact, because of the complexity of the modifications proposed, or due to insufficient time to assess the impact of such modifications.

OCP 4.3.5 Rejection Notice

The ISO Outage Coordination Office shall, in a rejection notice, identify the ISO's reliability ~~and~~, security and market concerns which prompt the rejection and suggest possible remedies or schedule revisions which might mitigate any ~~ISO-such~~ concerns.

OCP 4.3.6 Approval Mandatory

The ~~Operator of the Reliability Must-Run~~ Participating Generator Unit shall not initiate ~~the a~~ Generating Unit Outage without receiving Final Approval as prescribed in OCP 4.3.8.

OCP 4.3.7 Priority of Participating Generator Outage Requests

Outage requests which are listed in the ~~planned long-range~~ maintenance schedules submitted to and approved by the ISO will be given a priority in the scheduling and approval of Outage requests over those which have not been listed.

OCP 4.3.8 Final ISO Approval

On the day when an Approved Maintenance Outage is scheduled to commence the relevant ~~Reliability Must-Run Generator~~Operator shall contact the ISO Control Center for Final Approval of the requested Outage including the starting time and return time. No such Outage shall commence without such Final Approval being obtained from the ISO Control Center, whose decision shall be final.

OCP 4.3.9 Withholding of Final Approval and Rescheduling of Outage

The ISO Control Center shall have the authority to withhold a Final Approval for an Approved Maintenance Outage for reasons of System Reliability. The ISO Control Center shall immediately notify the relevant ~~Reliability Must-Run Generator~~Operator of its intention to withhold the Final Approval. The Generator Maintenance Outage will then be rescheduled pursuant to the [Outage Coordination Protocol and Dispatch Protocol](#).

OCP 4.4 ~~Non-Reliability Must-Run Generator Outage Scheduling and Approval~~[Not Used]

OCP 4.4.1 ~~[Not Used]Size Exclusions~~

~~Generating Units which have a rated MW capacity of less than 10 MW are excluded from the application of OCP 4.4.~~

OCP 4.4.2 ~~[Not Used]Scheduling Maintenance Outages for Generating Units~~

~~Participating Generators submitting notice of an Outage less than seven (7) days before the Outage or who revise the date of a previously scheduled Outage to less than seven (7) days before the Outage, must notify the ISO Outage Coordination Office pursuant to OCP 7 of any such Outages by 11:30 am at least 3 working days prior to the planned start of the Outage. Such notice must contain the same information as specified in OCP 4.3.1.~~

OCP 4.4.3 ~~[Not Used]Delay~~

~~The ISO Outage Coordination Office may delay its approval of an Outage schedule if sufficient or complete information is not received by the ISO Outage Coordination Office within the time frames set forth in OCP 4.4.2.~~

OCP 4.4.4 ~~[Not Used]Acceptance or Rejection of Outage Schedule~~

~~The ISO Outage Coordination Office shall acknowledge each request to confirm or approve an Outage within two (2) working hours of the receipt of the request. The ISO Outage Coordination Office shall approve or reject each request within a reasonable time of the receipt of the request but in any event shall notify the Participating Generator of its decision not later than 3:30 pm on the working day after receipt of the request.~~

- OCP 4.4.5** **[Not Used]Withdrawal or Modification of Request**
- The Participating Generator may withdraw a request at any time prior to commencement of the Outage. The Participating Generator may modify a request at any time prior to receipt of any acceptance or rejection notice from the ISO Outage Coordination Office or pursuant to OCP 4.4.2, but the ISO Outage Coordination Office shall have the right to reject such modified request because of the complexity of the modifications proposed or insufficient time to assess the impact of such modifications.
- OCP 4.4.6** **[Not Used]Rejection Notice**
- The ISO Outage Coordination Office shall, in a rejection notice, identify the ISO's reliability concerns which prompt the rejection and suggest possible remedies or schedule revisions which might mitigate any ISO concerns. Approval may only be withheld by the ISO for reasons of System Reliability or security.
- OCP 4.4.7** **[Not Used]Approval Mandatory**
- The Participating Generator shall not initiate the Generating Unit Outage referred to in OCP 4.4.2 or make a change to its planned maintenance schedule less than 7 days prior to the start date of the relevant Outage without receiving Final Approval as required in OCP 4.4.9.
- OCP 4.4.8** **[Not Used]Priority of Participating Generator Outage Requests**
- Outage requests which are listed in the planned maintenance schedules submitted to the ISO will be given a priority in the scheduling and approval of Outage requests over those which have not been listed.
- OCP 4.4.9** **[Not Used]Final ISO Approval**
- On the day an Approved Maintenance Outage is scheduled to commence, a Participating Generator shall obtain Final Approval of the Outage from the ISO Control Center if the scope of work or Outage time has changed with less than seven (7) days prior notification to the ISO Outage Coordination Office. No such Outage shall commence without such Final Approval being obtained from the ISO Control Center, whose decision shall be final.
- OCP 4.4.10** **[Not Used]Withholding of Final Approval and Rescheduling of Outage**
- The ISO Control Center shall have the authority to withhold a Final Approval for reasons of System Reliability. The ISO Control Center shall immediately notify the relevant Generator of its intention to withhold the Final Approval. The Generator Maintenance Outage will then be rescheduled pursuant to the Dispatch Protocol.

OCP 5 ISO Controlled Grid Maintenance Scheduling and Approval

OCP 5.1 Schedule Confirmation and Final Approval of Scheduled Outages Required Under the ISO Tariff

Each Participating TO which has scheduled a Maintenance Outage pursuant to OCP 3 must schedule and receive approval of the Outage from the ISO Outage Coordination Office in accordance with OCP 5.4 prior to initiating the Approved Maintenance Outage. Under no circumstance shall an Operator start any Approved Maintenance Outage without Final Approval from the ISO Control Center. Such final Approval shall being requested and given in accordance with OCP 5.7.

OCP 5.2 Adjacent Control Areas

The ISO will coordinate the scheduling of ISO Controlled Grid facilities and approvals, as necessary, with the operators of adjacent Control Areas.

OCP 5.3 Data Required

All Participating TOs shall submit a formal request to confirm or change an Approved Maintenance Outage with respect to any ISO Controlled Grid facility to the ISO Outage Coordination Office in accordance with OCP 5.3.1 and OCP 5.3.2.

A request to confirm a planned Maintenance Outage or to change an Approved Maintenance Outage shall specify:

- (a) the identification of the transmission system element(s) to be maintained including location;
- (b) the nature of the maintenance to be performed;
- (c) the date and time the Maintenance Outage is to begin;
- (d) the date and time the Maintenance Outage is to be completed;
- (e) the time required to terminate the maintenance and restore the transmission system to normal operation;
- (f) identification of primary and alternate telephone numbers for the Operator's single point of contact; and
- (g) in the case of a request for a change to an Approved Maintenance Outage, the date and time of the original Approved Maintenance Outage.

OCP 5.3.1 ~~Three (3)~~Five (5) Day Prior Notification

Any request to confirm an Approved Maintenance Outage that may affect the transfer capability of any part of the ISO Controlled Grid must be submitted no later than 11:30 am at least ~~three (3)~~five (5) working days prior to the starting date of the Approved Maintenance Outage (or as posted on the ISO Home Page). OCP 5.3.1 applies to:

- ~~(a)~~ — all 500 kV facilities;

- (b) — any line Outage;
- (c) — any load transformer Outage;
- (d) — any bus Outage; [facilities as described on the ISO Home Page.](#)
- (e) — relay protection Outages that reduce the transfer capability of a line or path;
- (f) — any Outage that requires coordination by two (2) or more Connected Entities;
- (g) — communication system outages, including SCADA facilities; and
- (h) — other Outage that the ISO reasonably considers will affect the transfer capability of a line or path compromising any part of the ISO Controlled Grid.

Failure to submit a request for an Outage by the proper time may mean a delay in approval from the ISO [or may cause that Outage to be designated as a Forced Outage based on the nearness of the request to the requested Outage date.](#)

OCP 5.3.2 One (1) Day Prior Notification

Any request to confirm or change the Schedule for an Approved Maintenance Outage [requiring only one day notice \(as detailed in the Operating Procedures on the ISO Home Page\)](#) must be submitted no later than 11:30 am at least one (1) day prior to the starting date of the Outage [\(or as specified in the Operating Procedures on the ISO Home Page\)](#). For example, a request under this OCP 5.3.2 may be for:

- (a) — washing insulators on an energized line or station equipment;
- (b) — circuit breaker Outages;
- (c) — relay protection maintenance that does not reduce the transfer capability of a line or path; or
- (d) — reactive device maintenance that does not reduce the transfer capability of a line or path.

Failure to submit a request for an Outage by the proper time may mean a delay in approval from the ISO [or may cause that Outage to be designated as a Forced Outage.](#)

OCP 5.3.3 Priority of Transmission Facility Outage Requests

Outage requests which are listed in the [long-range](#) planned maintenance schedule submitted to the ISO will be given a priority in scheduling and approval of Outage requests over those which have not been listed.

OCP 5.3.4 Delay

The ISO Outage Coordination Office may delay its approval of an Approved Maintenance Outage schedule if sufficient or complete

information is not received by the ISO Outage Coordination Office within the time frames [referred to provided](#) in OCP 5.3.1 and 5.3.2.

OCP 5.4 Acceptance or Rejection of Outage Schedule

The ISO Outage Coordination Office shall acknowledge [receipt of](#) each request to confirm or approve a Maintenance Outage [for ISO Controlled Grid facilities and approve or reject such request in accordance with the Operating Procedures posted on the ISO Home Page.](#) ~~within two (2) working hours of the receipt of the request. The ISO Outage Coordination Office shall approve or reject each request within a reasonable time of the receipt of the request but in any event shall notify the Participating TO of its decision not later than 3:30 pm of the working day after receipt of the request pursuant to OCP 5.3.1 and 3:30 pm of the same working day as the receipt of the request pursuant to OCP 5.3.2.~~

OCP 5.5 Withdrawal or Modification of Request

~~The A~~ Participating TO's Operator may withdraw a request at any time prior to actual initiation of the Outage. ~~The A~~ Participating TO's Operator may modify a request at any time prior to receipt of any acceptance or rejection notice from the ISO Outage Coordination Office or pursuant to OCP 5.3.1 and 5.3.2, but the ISO Outage Coordination Office shall have the right to reject such modified request because of the complexity of the modifications proposed or insufficient time to assess the impact of such modifications.

OCP 5.6 Rejection Notice

The ISO Outage Coordination Office shall, in a rejection notice, identify the ISO's reliability, ~~and~~ security [and market](#) concerns which prompt the rejection and suggest possible remedies or schedule revisions which might mitigate any [ISO-such](#) concerns.

OCP 5.6.1 Failure to Meet Requirements

Any request to consider maintenance that does not meet the notification requirements contained in OCP 5.3.1 and 5.3.2 will be rejected without further consideration, unless OCP 6 applies.

OCP 5.7 Final Approval Mandatory

Under no circumstance shall any Outage be initiated for which an approval is required, under this Protocol without the relevant Operator ~~or Participating TO~~ receiving Final Approval of that Outage in accordance with OCP 5.8.

OCP 5.8 Final ISO Approval

On the day when an Approved Maintenance Outage is scheduled to commence the relevant [Participating TO Operator](#) shall contact the ISO Control Center for Final Approval of the requested Outage including the starting time and return time. No such Outage shall commence without such Final Approval being obtained from the ISO Control Center, whose decision shall be final.

- OCP 5.9 Withholding of Final Approval and Rescheduling of Outage**
- The ISO Control Center shall have the authority to withhold a Final Approval for reasons of System Reliability, security or system status of the ISO Controlled Grid [or market impact](#). The ISO Control Center shall immediately notify the relevant [Participating TO Operator](#) of its intention to withhold the Final Approval. The ISO [Controlled](#) Grid facility Maintenance Outage will then be rescheduled in accordance with this Protocol.
- OCP 6 MANAGEMENT OF FORCED OUTAGES OR IMMEDIATE NATURE MAINTENANCE**
- OCP 6.1 Immediate Forced Outage**
- ~~A Participating TO or Participating Generator which identifies Any Operator, upon identification of~~ a situation likely to result in a Forced Outage within the next twenty-four (24) hours unless immediate corrective action is taken, where such action requires the removing from service or restricting an operating Generating Unit or removing a transmission facility from service, shall communicate directly with the ISO Control Center as set forth in the emergency procedures of the Dispatch Protocol.
- OCP 6.2 Imminent Forced Outage**
- ~~A Participating TO or Participating Generator which identifies Any Operator, upon identification of~~ a situation likely to result in a Forced Outage but of a nature not requiring a removal from service until some time more than twenty-four (24) hours in the future will be subject to the provisions of OCP 4 and OCP 5 with respect to any necessary Outage except the requirements imposing time limits for notification will be waived and the request will be expedited by the ISO provided notice is given as soon as possible.
- OCP 7 Communication of Scheduled Maintenance Requests**
- OCP 7.1 Single Point of Contact**
- All communications concerning a Maintenance Outage request or a request to confirm or change an Approved Maintenance Outage shall be between the ISO and the designated single point of contact for each ~~Participating TO or Participating Generator~~[Operator](#). The ~~Participating TO or Participating Generator~~[Operator](#) shall provide in ~~their~~[its](#) initial request the identification of the single point of contact along with primary and alternate means of communication. This identification will be confirmed in all communications with the ISO in relation to Outage requests, including any request [to the ISO](#) for confirmation, change or Final Approval of an Outage ~~made to the ISO~~.
- OCP 7.2 Method of Communications**
- The [primary](#) method of communication from ~~the an Operator~~ [Operator or Participating Generator](#) to the ISO ~~can be in the form of the following~~[will be as described in the Operating Procedure on the ISO](#)

[Home Page. Emergency capabilities, to be used only as a back-up if the primary communication method is unavailable, will include:](#)

- (a) voice;
- (b) fax; and
- (c) electronic (E-mail, FTP file, etc.).

OCP 7.3 Confirmation

When fax or electronic communication is utilized, confirmation from the ISO must be received by the [Participating TO or Participating Generator Operator](#) to validate the receipt of the request pursuant to OCP 7.2.

OCP 7.4 Communication of Approval or Rejection

The ISO shall use the same methods in communicating the approval or rejection of an Outage request or approval of a request to change an Approved Maintenance Outage to the relevant [Participating TO or Participating Generator Operator](#).

OCP 8 OUTAGE COORDINATION FOR NEW FACILITIES

OCP 8.1 Coordination by ISO

The procedure to energize and place in service any new or relocated piece of equipment, connected to the ISO Controlled Grid, must be set out by the [Participating TO, Participating Generator Operator](#) or Connected Entity in a written procedure and coordinated by the ISO Outage Coordination Office.

OCP 8.2 Types of Work Requiring Coordination

The types of work which the ISO will coordinate under OCP 8 includes any new addition, replacement or modification to the ISO Controlled Grid, including:

- (a) transmission lines forming part of the ISO Controlled Grid;
- (b) equipment including circuit breakers, transformers, disconnects, reactive devices, wave traps, forming part of the ISO Controlled Grid;
- (c) Generating Unit interconnections; and
- (d) protection and control schemes, including RAS, SCADA, EMS, or AGC.

OCP 8.3 Uncomplicated Work

When line rearrangements and/or station equipment work is uncomplicated and easily understood, the ISO Outage Coordination Office may determine that the work can be accomplished using Outages approved in accordance with OCP 5. The ISO Outage Coordination Office will make this determination in coordination with

the respective requesting [Participating TO, Participating GeneratorOperator](#) or Connected Entity.

OCP 8.4 Special Procedures for More Complex Work

OCP 8.4.1 Responsibility for Preparation

In cases to which OCP 8.3 does not apply, it is the responsibility of the requesting [Participating TO, Participating GeneratorOperator](#) or Connected Entity to prepare a written procedure to enable the ISO to approve Outages in a manner that enables the necessary work to proceed. The ISO Outage Coordination Office must approve the procedure.

OCP 8.4.2 Information to be Provided to the ISO

The written procedure must be received by the ISO Outage Coordination Office a minimum of four (4) weeks prior to the start of procedure. Adequate drawings will be attached to the procedure to help clarify the work being performed and the Outages that will be required to complete the work must be specified. The procedure shall include all of the information referred to in [OCP Appendix A on the ISO Home Page](#).

OCP 8.4.3 Approval of the Procedure

Upon receipt of the ~~procedure~~ [procedure and drawings](#) referred to in OCP 8.4.2, the ISO Outage Coordination Office will review the procedure and notify the [Participating TO, Participating GeneratorOperator](#) or Connected Entity of any required modifications. The ISO Outage Coordination Office may, at its discretion, require changes to and more detail to be inserted in the procedure. The requesting [Participating TO, Participating GeneratorOperator](#) or Connected Entity will consult with other entities likely to be affected and will revise the procedure, following any necessary or appropriate discussions with the ISO to reflect the requirements of the ISO. Following the ISO approval, an approved copy of the procedure will then be transmitted to the [Participating TO, Participating GeneratorOperator](#) or Connected Entity and the other entities likely to be affected.

OCP 8.4.4 Changes to Procedure

Once the procedure is approved by the ISO Outage Coordination Office any modifications to the procedure will require the requesting [Participating TO, Participating GeneratorOperator](#) or Connected Entity to notify the ISO Outage Coordination Office with as much lead time as possible of the recommended changes. The modified procedure will then have to be approved by the ISO Outage Coordination Office ~~in accordance with to which the provisions of OCP 8.4.2 and 8.4.3, will apply.~~

OCP 8.4.5 Approval of Work Requiring Coordination

No work can begin pursuant to any approved procedure unless approved by the ISO Outage Coordination Office and only in accordance with OCP 4 and OCP 5.

OCP 9 RECORDS AND REPORTS

OCP 9.1 Records of Approved Maintenance Outages

The ISO Outage Coordination Office will maintain a record of each Approved Maintenance Outage as it is implemented. Such records are available for inspection by ~~Participating Generators, Participating TEs~~Operators and Connected Entities at the ISO Outage Coordination Office. Only those records pertaining to the equipment or facilities owned by the relevant Operator -or Connected Entity will be made available for inspection at the ISO Outage Coordination Office, and such records will only be made available provided notice is given in writing to the ISO fifteen (15) days in advance of the requested inspection date.

OCP 10 AMENDMENTS TO THE PROTOCOL

If the ISO determines a need for an amendment to this Protocol, the ISO will follow the requirements as set forth in Section 16 of the ISO Tariff.

OUTAGE COORDINATION PROTOCOL

APPENDIX A

~~[Not Used]~~ PROGRAM PREPARATION OUTLINE FOR NEW FACILITIES

The following information must be included in each request for an Outage under OCP 8.

- 1.0 — Entity performing work.
- 2.0 — Location of work including Location Code if applicable.
- 3.0 — Comprehensive scope of work identifying existing facilities involved and new facilities (if any) being added or existing facilities being permanently removed from service.
- 4.0 — Outages required (clearly identify each Outage if multiple Outages are required) including:
 - 4.1 — sequence of Outage;
 - 4.2 — estimate of Outage duration.
- 5.0 — Clearances required (including identification of all switching devices to be tagged) including:
 - 5.1 — line;
 - 5.2 — Generating Unit;
 - 5.3 — equipment.
- 6.0 — Detailed statement of work to be completed with intermediate progress dates/events identified including:
 - 6.1 — transmission line work;
 - 6.2 — Generating Unit work;
 - 6.3 — SCADA modification work;
 - 6.4 — protective scheme work.

- 7.0 — Procedure for reporting work accomplished including:
 - 7.1 — to the ISO Control Center;
 - 7.3 to the Participating TO;
 - 7.3 to the Participating Generator;
 - 7.3 to other Connected Entities.

- 8.0 — Method used to energize and test new/rebuilt Generating Units, line(s) and station equipment including:
 - 8.1 — protection to be used:
 - 8.1.1 — relay settings;
 - 8.1.2 — CTs involved and status.
 - 8.2 — System status including:
 - 8.2.1 — line arrangement;
 - 8.2.2 — Generating Unit arrangement;
 - 8.2.3 — station equipment arrangement.

- 9.0 — Procedure for phasing including:
 - 9.1 — Generating Unit/station synchroscope;
 - 9.2 — potentials required;
 - 9.3 — existing potentials;
 - 9.4 — portable phasing equipment;
 - 9.5 — personal performing phasing;
 - 9.6 — connections for phasing;
 - 9.7 — phase identification method.

- 10.0 — Inservice testing including:
 - 10.1 — procedure to be performed;
 - 10.2 — notice of testing completion.

- 11.0 — Statement of completion including:
 - 11.1 — statement to be made at the completion of each section of program;
 - 11.2 — statement to be made at completion of total project.

- 12.0 — Drawings to be attached:

12.1—existing status;

12.2—for each intermediate stage;

12.3—proposed completion of job.

13.0—Transfer of facilities to ISO Controlled Grid.

2.3.1.1.4 Coordination and Approval for Outages. The ISO shall have authority to coordinate and approve Outages and returns to service of: (i) all facilities that comprised in the ISO Controlled Grid and ~~Reliability Must-Run Units~~ (ii) Participating Generators in accordance with Section 2.3.3 and Section 5.5.

2.3.1.1.5 Responsibility for Authorized Work on Facilities. The ISO shall have authority to approve requests by Participating TOs to work on all energized transmission equipment under the Operational Control of the ISO.

2.3.1.1.6 The ISO shall be the WSCC security coordinator for the ISO Controlled Grid.

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2.3.3 Coordination of Outages and Maintenance.

2.3.3.1 ISO Outage Coordination Office. The ISO Outage Coordination Office shall be established by the ISO and shall coordinate and approve Maintenance Outages of: (i) all facilities ~~forming part of that comprise~~ the ISO Controlled Grid and (ii) Participating Generators. The ISO shall coordinate Outages of other resources within the ISO Control Area or the State of California in accordance with applicable law~~Reliability Must-Run Units~~. The ISO shall additionally coordinate and approve Outages required for new construction and for work on de-energized and live transmission facilities (e.g., relay maintenance or insulator washing) and associated equipment.

2.3.3.2 Requirement for Approval. An Operator shall not take: (i) facilities that comprised in the ISO Controlled Grid or (ii) Participating Generators~~Reliability Must-Run Units~~ out of service for the purposes of planned maintenance or for new construction or other work except as approved by the ISO Outage Coordination Office.

2.3.3.3 Requests for Outages in Real Time Operation. Requests for Outages of: (i) facilities forming part that comprise of the ISO Controlled Grid and Reliability Must-Run Units or (ii) Participating Generators in real time operation shall be made by the Operator to the ISO Control Center. The ISO will not approve any Outage request made within one hundred twenty (120) hours of the requested Outage start time unless: (i) the requested Outage could not have been reasonably foreseen and scheduled through the Outage coordination process provided in Section 2.3.3; (ii) the requested Outage will not compromise ISO Controlled Grid reliability; and (iii) the requested Outage will not cause unduly significant market impacts.

2.3.3.4 Single Point of Contact. Requests for approvals and coordination of all Maintenance Outages (consistent with Section 2.3.3.1) will be through a single point of contact between the ISO Outage Coordination Office and each Operator. The single point of contact for the ISO and each Operator will be specified from time to time by the Operator and the ISO pursuant to the detailed procedures referred to in Section 2.3.3.5.

2.3.3.5 Maintenance Outage Planning. Each Operator shall, by not later than October 15 each year, provide the ISO with a program-proposed schedule of all Maintenance Outages ~~which~~ it wishes to undertake during-in the ~~next~~-following year. The proposed schedule shall include all of the Operator's transmission facilities that comprise the ISO Controlled Grid and Participating Generators. In the case of a Participating TO's transmission facilities, that program-proposed schedule shall be developed in consultation with the UDCs interconnected with that Participating TO's system and shall take account of each UDC's planned maintenance requirements. The nature of the information to be provided and the detailed Maintenance Outage planning procedure shall be established by the ISO ~~in consultation with the ISO Grid Operations Committee~~ and set out in an ISO Protocol. Either the ISO, pursuant to Section 2.3.3.6,

or an Operator, subject to Section 2.3.3.5.4, may at any time request a change to an Approved Maintenance Outage. An Operator may, upon ~~seventy-two (72)~~[one hundred twenty \(120\)](#) hours advance notice, schedule with the ISO Outage Coordination Office a Maintenance Outage on its system, subject to the conditions of Sections 2.3.3.5.1, 2.3.3.5.2, and 2.3.3.5.3.

2.3.3.5.1 The ISO Outage Coordination Office shall evaluate whether the requested Maintenance Outage or change to an Approved Maintenance Outage is likely to have a detrimental effect on the efficient use and reliable operation of the ISO Controlled Grid or the facilities of a Connected Entity.

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2.3.3.5.4 In the event an Operator of facilities forming part of the ISO Controlled Grid cancels an Approved Maintenance Outage after 5:00 a.m. of the day prior to the day upon which the [outage Outage](#) is scheduled to commence and the ISO determines that the change was not required to preserve System Reliability, the ISO may disregard the availability of the affected facilities in determining the availability of transmission capacity in the Day-Ahead Market, provided, however, that the ISO will, as promptly as practicable, notify Market Participants and reflect the availability of the affected facilities in determining the availability of transmission capacity in the Hour-Ahead Market.

2.3.3.6 Maintenance Outage Requests by the ISO. The ISO Outage Coordination Office may at any time request a Maintenance Outage or a change to an Approved Maintenance Outage from an Operator if, in the opinion of the ISO Outage Coordination Office, the requested Maintenance Outage or change is required to secure the efficient use and reliable operation of the ISO Controlled Grid. In addition, the ISO Outage Coordination Office may, by providing notice no later than 5:00 a.m. of the day prior to the day upon which the [outageOutage](#) is scheduled to commence, direct the Operator

~~of facilities forming part of the ISO Controlled Grid~~ to cancel an Approved Maintenance Outage, when necessary to preserve or maintain System Reliability or to avoid unduly significant market impacts that would arise if the ~~outage~~ Outage were to proceed as scheduled. The Operator, acting in accordance with Good Utility Practice, shall comply with the ISO's direction and the provisions of Sections 2.3.3.6.1 and 2.3.3.6.2 shall apply. The ISO shall give notice of any such direction to Market Participants prior to the deadline for submission of initial Preferred Day-Ahead Schedules for the day on which the ~~outage~~ Outage was to have commenced. For purposes of this section ~~and Section 2.3.3.3~~, an "unduly significant market impact" means an unplanned event or circumstance (e.g., unseasonable weather, a ~~forced~~ Forced outage Outage of a facility, or other occurrence) that adversely affects the competitive nature and efficient workings of the ISO markets, and is of such severity that a prudent ~~transmission operator~~ Operator would not have scheduled a ~~transmission maintenance~~ Maintenance outage Outage of its facility if the unplanned event or circumstance could have been anticipated.

2.3.3.6.1 The Operator may: (1) refuse the request; (2) agree to the request; or (3) agree to the request subject to specific conditions. The Operator, acting in accordance with Good Utility Practice, shall make every effort to comply with requests by the ISO Outage Coordination Office. In the event that the Operator refuses the ISO's request, it shall provide to the ISO Outage Coordination Office written justification for its position within seventy-two (72) hours.

2.3.3.6.2 In response the ISO Outage Coordination Office may: (1) overrule any refusal of a Maintenance Outage or a change to an Approved Maintenance Outage by an Operator, in which case the ISO Outage Coordination Office determination shall be final; (2) accept any changes or conditions proposed by the Operator, in which case the

Maintenance Outage request or the request to change an Approved Maintenance Outage shall be deemed to be amended accordingly; or (3) reject the change or condition, in which case the ISO Outage Coordination Office and the Operator shall determine if acceptable alternative conditions or changes can be agreed. If the Operator and the ISO Outage Coordination Office cannot agree on acceptable alternative conditions or changes to the ISO [Outage](#) Coordination Office's request for a Maintenance Outage or change to an Approved Maintenance Outage, the ISO Outage Coordination Office determination shall be final. [If the Operator and the ISO Outage Coordination Office cannot agree on acceptable alternative conditions or changes to the ISO Outage Coordination Office's request for a Maintenance Outage or change to an Approved Maintenance Outage, the ISO may notify the FERC of the dispute and take any other steps that are within its authority to maintain the reliability of the ISO Controlled Grid.](#)

2.3.3.6.3 The ISO will compensate the applicable Participating TO [or Participating Generator](#) for any direct and verifiable costs that such Participating TO [or Participating Generator](#) incurs as a result of the ISO's cancellation of an Approved Maintenance Outage pursuant to this Section 2.3.3.6. For purposes of this section, direct costs include verifiable labor and equipment rental costs that have been incurred by the applicable Participating TO [or Participating Generator](#) solely as a result of the ISO's cancellation of the Approved Maintenance Outage. Each Participating TO [or Participating Generator](#) must make a reasonable effort to avoid incurring any such direct costs through such measures as, but not limited to, the prompt cancellation of all contractual arrangements with third parties related to the Approved Maintenance Outage.

2.3.3.6.4 The amount used to compensate each applicable Participating TO [and Participating Generator](#), as described in Section 2.3.3.6.3, shall be charged to the Scheduling Coordinators in proportion to their metered Demand (including [Expertsexports](#)) during the Settlement Period(s) of the originally scheduled [transmission outage](#)~~Outage~~.

2.3.3.7 The ISO Outage Coordination Office shall provide notice to the Operator of the approval or disapproval of any requested Maintenance Outage. Additionally, the ISO Outage Coordination Office shall notify any Connected Entity that may in the reasonable opinion of the ISO Outage Coordination Office be directly affected by an Approved Maintenance Outage. The content of and procedures for such notice shall be established by the ISO ~~in consultation with the ISO Grid Operations Committee~~.

2.3.3.8 Final Approval. On the day on which an Approved Maintenance Outage is scheduled to commence ~~for facilities forming part of the ISO Controlled Grid and Reliability Must-Run Units~~, the Operator shall contact the ISO Control Center for final approval of the Maintenance Outage. No Maintenance Outage shall commence without such final approval (including the time of release, in hours and minutes) being obtained from the ISO Control Center whose decision shall be final.

2.3.3.9 Forced Outages.

2.3.3.9.1 Coordination of all Forced Outages (consistent with Section 2.3.3.14) will be through the single point of contact between the Operator and the ISO Control Center.

2.3.3.9.2 All notifications of Forced Outages shall be communicated to the ISO Control Center with as much notice as possible in order that the necessary security analysis and ISO Controlled Grid assessments may be performed. If prior notice of a

Forced Outage cannot be given, the Operator shall notify the ISO of the Forced Outage immediately after it occurs.

2.3.3.9.3 The ISO Control Center shall coordinate any operational changes necessary to accommodate a Forced Outage and Market Participants shall comply with the ISO's instructions given for that purpose.

2.3.3.9.4 All Forced Outages ~~approvals~~ shall be communicated by the ISO Control Center to Operators likely to be affected by the Outage using the same procedures adopted for Maintenance Outage coordination procedures.

2.3.3.9.5 Within seven (7) days of the commencement of a Forced Outage, the Operator shall provide to the ISO an explanation of the Forced Outage, including a description of the equipment failure or other cause and a description of all remedial actions taken by the Operator. Upon request of the ISO, Operators, and where applicable, Eligible Customers, Scheduling Coordinators, UDCs and MSSs promptly shall provide information requested by the ISO to enable the ISO to review the explanation submitted by the Operator and to prepare reports on Forced Outages. If the ISO determines that any Forced Outage may have been the result of gaming or other questionable behavior by the Operator, the ISO shall submit a report describing the basis for its determination to the FERC.

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5.5.1 Planned Maintenance.

Each Participating Generator shall ~~comply with the applicable provisions of Section 2.3.3, for informational purposes only, on an annual, quarterly and monthly basis in accordance with the ISO Protocol on Outage planning in relation to each of its Generating Units other than Reliability Must-Run Units (in respect of which the~~

~~provisions of Section 2.3.3 shall apply) provide to the ISO details of its planned maintenance. Any such Participating Generator shall inform the ISO of any changes to its planned maintenance schedule effective during the period of one month ahead of real time with as much notice as reasonably practicable. If the Participating Generator wishes to make any change to its planned maintenance schedule which will be effective at less than seven (7) days notice, it shall not take the relevant Generating Unit out of service unless it has first obtained the ISO's consent which may only be withheld for reasons of System Reliability or security. Each Participating Generator shall in relation to each of its Reliability Must-Run Units comply with the requirements of Section 2.3.3 for planning Maintenance Outages.~~

5.5.2 The ISO shall, on the basis of the information supplied by Participating Generators under Section 5.5.1 and other information available to the ISO, prepare and publish on WEnet forecast aggregate available Generation capacity and forecast Demand on an annual, quarterly and monthly basis in accordance with the provisions of the ISO [Outage Coordination](#) Protocol ~~on Outage planning~~. In publishing these forecasts, the ISO shall identify any expected congestion conditions caused by planned Outages of Participating Generators ~~but shall not disclose the identity of individual Generators or the location of Generating Units~~.

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5.8.4 Sharing Information on Reliability of ISO Controlled Grid.

The ISO and each Participating Generator shall have the obligation to inform each other, as promptly as possible, of any circumstance of which it becomes aware (including, but not limited to, abnormal temperatures, storms, floods, earthquakes, and equipment depletions and malfunctions and deviations from the Registered Data and operating characteristics) that is reasonably likely to threaten the reliability of the ISO

Controlled Grid or the integrity of the Participating Generator's facilities. The ISO and each Participating Generator shall also inform the other as promptly as possible of any incident of which it becomes aware (including, but not limited to, equipment outages, over-loads or alarms) which, in the case of a Participating Generator, is reasonably likely to threaten the reliability of the ISO Controlled Grid or, in the case of the ISO, is reasonably likely to adversely affect the Participating Generator's facilities. Such information shall be provided in a form and content which is reasonable in all the circumstances and sufficient to provide timely warning to the other party of the [threatpotential impact](#).

5.9 Access Right.

A Participating Generator shall, at the request of the ISO and upon reasonable notice, provide access to its facilities (including those relating to communications, telemetry and direct control requirements) as necessary to permit the ISO or an ISO approved meter inspector to perform such testing as is necessary (i) to test the accuracy of any meters upon which the Participating Generator's compensation is based, or performance is measured, ~~or~~ (ii) to test the Participating Generator's compliance with any performance standards pursuant to subsection 5.4 hereof, [or \(iii\) to obtain information relative to a Forced Outage](#).

* * * * *

Maintenance Outage

A period of time during which an Operator [\(i\)](#) takes its [transmission](#) facilities out of service for the purposes of carrying out routine planned maintenance, or for the purposes of new construction work or for work on de-energized and live transmission facilities (e.g., relay maintenance or insulator

washing) and associated equipment; or (ii) takes its Generating Unit or System Unit out of service for the purposes of carrying out routine planned maintenance, or for the purposes of new construction work.

* * * * *

Operator

The operator of facilities that comprised in the ISO Controlled Grid or ~~Reliability Must-Run Units~~ a Participating Generator.