

Forced Outage Reporting Requirement

California ISO Tariff 2.3.3.9.5 requires Generating Asset Owners to provide an explanation regarding any forced outage. This explanation shall include a description of the failure or cause and description of all remedial actions taken regarding the outage.

The ISO has developed a formatted electronic form to gather this data. The form is located on the ISO web site under Stakeholder Processes. It is entitled "Forced Outage Information". The information requested on form shall be filled out in its entirety. This form is to be sent electronically to forcedoutage@caiso.com within forty-eight (48) hours of reporting the forced outage to the ISO dispatcher real-time desk.

Attached is a copy of the form.

Forced Outage Information

1. Facility/Unit:
2. Facility Owner:
3. Scheduling Coordinator:
4. Date of Report:
5. Contact person:
6. Telephone:
7. E-mail:
8. Date and time of Forced Outage:
9. Date and time the Forced Outage was first reported to the ISO:
 - 9.1. Person at the ISO to whom this was reported:
10. Estimated return to service (date & time):
11. What is the plan of action to return the unit to service?
12. Describe the sequence of events leading to and including the Forced Outage.
 - 12.1. When was a problem first identified?
 - 12.2. What were the first indications of a problem?
 - 12.3. How was the problem identified?
 - 12.4. Was the ISO informed? Who was informed and when were they informed?
 - 12.5. Provide the name and position of the person that identified the problem.
13. What criterion (e.g., alarm response procedure, engineering directive, operating procedure) led to the declaration of the Forced Outage?
14. What alternatives to the Forced Outage were available?
 - 14.1. Were these alternatives considered prior to declaring the Forced Outage?

- 14.2. Why was the Forced Outage declared instead of taking any available alternatives?
15. Is this Forced Outage safety related?
 - 15.1. If so, what is the specific nature of the safety concern?
16. Provide the energy schedules and bids for the day the Forced Outage began and the following day for this unit and all other units in your portfolio.
 - 16.1. Were these schedules or bids changed as a result of this Forced Outage? If yes, were the schedules changed before or after the Forced Outage? How were they changed?
17. Did you request to shut down the unit in the past week? If yes, please provide the details (time, date, approved/rejected, to whom at the ISO was the request made).
18. Did this unit have a scheduled outage canceled in the last 45 days? If yes, please provide the details of the outage and the cancellation.
19. Did this unit have a requested outage denied by the ISO in the past 45 days? If yes, please provide the details (time, date, approved/rejected, to whom at the ISO was the request made).
20. When was the last failure of the equipment that caused this Forced Outage?
 - 20.1. How was this equipment failure handled differently than the last equipment failure?
21. When was the equipment that failed last maintained or repaired?
 - 21.1. Were maintenance practices for this equipment changed as a result of the previous failure?
22. Is the equipment that failed redundant? If yes, were the redundant systems working at the time of the incident?