

Outage Management System: Transmission Outage Report

Appendix A

Transmission Outage Report

Outage ID	Outage ID associated to the outage entered into OMS
Participant Name	Participant that entered outage into OMS
Outage Planned Start Time	Date and time outage is planned to start
Outage Planned End Time	Date and time outage is planned to end
Outage Type	Indicates if the outage is Forced or Planned
Substation Name	Identifies substations that are associated with the outage. Where the resource type is ACLINESEGMENT or LINE, there can be two or more substations impacted.
Equipment Name	Name of the equipment that is on outage/taken out of service. In most cases, the application will populate the Equipment Name with the CIM model Name, but will fill in the TR name if an alternate name is provided.
Resource Type	Indicates the type of equipment that the outage is taking out of service
Voltage Level (kV)	The voltage level of the equipment being taken out of service. Note, that an outage on a substation may impact multiple voltage levels.
Outage Status	Indicates the current status of the outage at the time of the report. Status descriptions can be found in the Outage Management BPM.
Outage Description	Outage description entered by the user.
Equipment CIM Name	The name of the equipment as referenced in the CIM model.
Equipment RDF ID	The unique ID assigned to the piece of equipment in the CIM model.
Equipment TR ID	Unique identifier assigned to every equipment entered by the TO into the CAISO application Transmission Registry (TR)
Switch Modeling (Y/N)	Indicates if an outage impacts the EMS model topology by opening or closing switches. Switch status data is used in the market and other CAISO systems.
Substation CIM Name	Substation name as referenced in the CIM model.
Substation RDF ID	Unique id in CIM model
Substation TR ID	Unique identifier entered by the TO into the CAISO application Transmission Registry (TR)
Outage Actual Start Time	Date and time outage was actually started.
Outage Actual End Time	Date and time outage was actually ended.
Nature of Work	Type of outage taken on the transmission equipment. A list of Nature of Works (NoW) can be found in the Outage Management BPM.

Transmission Outage Switch Modeling Report

Outage ID	Outage ID associated to the outage entered into OMS
Switch CIM Name	Switch name as referenced in the CIM model.



Start Time	Date and time outage is planned to start
End Time	Date and time outage is planned to end
Switch Status	Indicates if switch is modeled open or closed for the duration of the outage.
Substation Name	Substation name
Resource Type	Indicates the type of equipment that the outage is taking out of service
Voltage Level (kV)	Voltage level of the modeled switch.
Switch RDF ID	The RDF ID of the modeled switch.
Switch TR ID	The TR ID of the modeled switch.
Switch TR Name	Switch name as referenced in the Transmission Registry (TR) application.