

Outage Management System (OMS) Enhancements

December 2022

Customer Readiness

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Agenda

In this training, you will learn about the new enhancements:

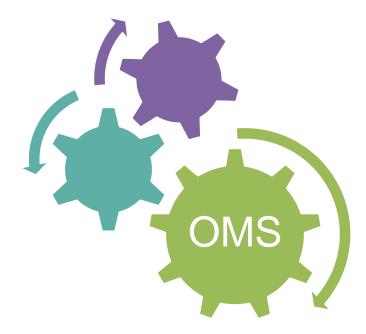


- ✓ Max and Min Energy tabs display solution
- ✓ Load Min Values display correction
- ✓ New automated email functionality for Transmission Induced Generation Outages
- ✓ Solution for conflicting positions for overlapping timeframes



This functionality will be available in the Production environment on **December 14**, **2022**.





OMS ENHANCEMENTS



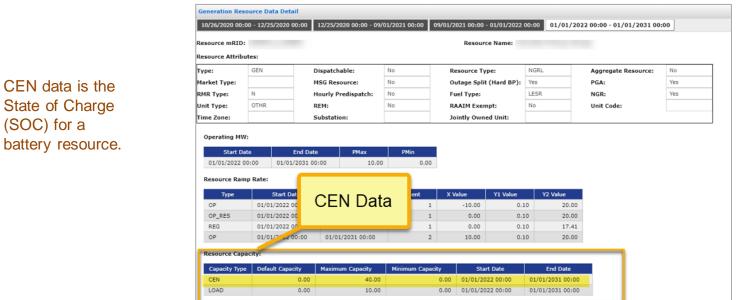
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Max and Min Energy tabs

Issue: WebOMS users are not able to enter the **Max** and **Min Energy** data when the CEN data is present for the resource.

						_				
Availability	Notes	A/S	Availability	PMIN Re-Rate	Ramp Re	e-Rate	Max Energy	Min Energy	C	Cannot enter data
MAX Energy Date/Time		ne	MAX En							
11/21/2022 0	11/21/2022 00:00			+						
11/23/2022 00:00										

This resource has CEN data





Max and Min Energy tabs – Display Solution

Max and Min Energy tabs will be disabled and are <u>greyed</u> out if **no** CEN data is present for the resource.

Mkt Impacts	Availability		A/S Availability		PMIN Re-Rate	Ramp Re-Rate	Warnings	Max Energy	Min Energy	Load Max	Load Min	Use Limited	RIMS Data	
esource:														
Availabilit	y Date/Time	oos 🗆	NDC 🗖	PMAX	Ava	ilability MW	Ou	Outage Curtailment			Total Curtailment			
11/17/202	2 00:00			31.	00	3	1.00		0.00					
11/18/2022 00:00				31.	00	3	1.00	0.00			0.00			

Max and Min Energy tabs are enabled and turns green if CEN data is present for the resource.

Mkt Impacts	Availability	Notes	A/S Availability	PMI Re-	N Rate	Ramp Re-Rate	Warnings	Max Energy	Min Energy	Load Max	Load Min	Use Limited
MAX Ener	rgy Date/Time	1	MAX Energy MWh									
11/21/2022	2 00:00		3	5.00	+							
11/23/2022 00:00												

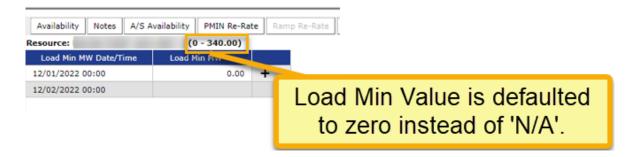


Load Min Values Display

Issue: WebOMS does not receive Load Min values from master file; therefore, the values could not be entered for any resource since the default value was displayed as 'N/A'.



Solution: WebOMS will default the Load Min values to zero for Generation Resource Data when the Load Max values exist.





Email functionality for TIGO for SCs

Issue: The *Transmission Induced Generation Outage (TIGO)* notifications are manually sent to Scheduling Coordinators' (SCs') outage contacts.

Screenshot of existing outage notification to SC outage contacts

Rotaru, Max

FW: Transmission induced generation outage created - Outage XXXXXXXX

JSmith@xyz.com; JDoe@xyz.com; Outage@xyz.com; RTDesk@xyz.com

Ops-North-Outage

Please note the date / times of the newly created transmission induced generation outage and let me know if you have any concerns with this work. Your unit/resource's availability has been limited due to a transmission outage. Please note the date and time of this outage. If your unit/resource's availability is less than the limitation in the outage card below, then reduce the availability as appropriate and submit an outage card for the additional limitation. However, for the duration of this outage, do not adjust the unit/resource's availability above the limitation caused by this outage. You are responsible for verifying/revising unit availability for the date and time stated in this request. Refer to ISO Operating Procedure 3220 for further information. Please monitor your OMS Web workspace for outage status changes. If you have any questions regarding this limitation, please contact the ISO Outage Management group. Daily updated outage information for scheduled generator and bulk transmission outages planned for the next day (as per TOP-003-1,R1.2) is provided at http://www.caiso.com/market/Pages/OutageManagement/Default.aspx. Note: A valid user certificate is required to access the ISO Transmission Outage Report.

Please contact your Client Representative if you require a user certificate.

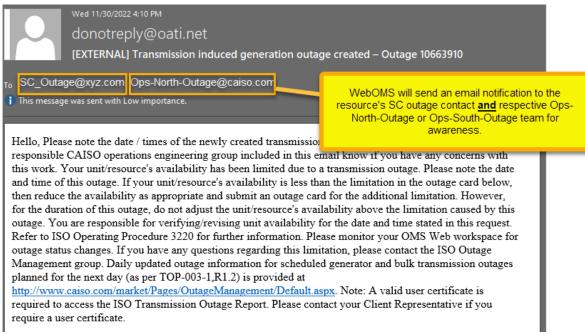


Email functionality for TIGO Resources for SCs

New email functionality:

The *Transmission Induced Generation Outage (TIGO)* email notifications for a generation resource will be automated from the WebOMS application.

Screenshot of new email notification format





Conflicting positions for overlapping timeframes

Issue: Conflicting switch positions should not be allowed for overlapping timeframes.

Solution: The system will display the proper error message when a switch has conflicting position for the same duration

Add New Outage												PPT 🔻						
Outage Cla Equipme Start Date/Tir End Date/Tir Outage Durati	New TRANSISSION OUTAGE Transmission Transmissi Transmission Transmission Transmission Transmissi										Proper error message will be displayed							
Compare Procession Station Allential Voltage targets Allential Equipment Types All Equipment Types All Equipment Types Allential Equipment Types Allential	R2H5 V V Hame Volt 64.00 64.00 64.00 13.80 13.80	tope Equipment Type BREAKER BREAKER BREAKER BREAKER BUSBAKSECTION BUSBAKSECTION		Add To Rating	Teo tch	subment Station Construction Station +x +x	Name Use Facility Name 1 1	Voltage 13.80 66.00 Model Voltage 66.00 13.80	Type BREAKER BREAKER BREAKER BREAKER	Switch Modeling Complete	Use Facility Nodel	10 Switch_66166 Switch_66161 11/18/2022 14: 11/18/2022 14:						
Pend	ding Requ	ot be ente est for Ou)1:00 (PP1	tage ID			fr	om (1			1:00 (P	PT) to	11/20/	2022 01:0) (PPT)),	(132) fr	om (1	1/17/2022	



01:00 (PPT) to



Thank you for your participation!

For more detailed information on anything presented, please visit our website at: www.caiso.com

Or send an email to: CustomerReadiness@caiso.com



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