

Wind and Solar Curtailment March 30, 2025

This report is produced daily to provide a detailed accounting of the wind and solar renewable generation that was curtailed and the reasons why¹. This report should be read in the context of the Renewables Watch report for a more complete understanding of both renewable curtailment and generation².

Wind and solar curtailments are grouped into the following categories:

1. Economic - Local: Market dispatch of generators with economic bids to mitigate local congestion³.
2. Economic - System: Market dispatch of generators with economic bids to mitigate system-wide oversupply⁴.
3. SelfSchCut - Local: Market dispatch of self-schedules to mitigate local congestion.
4. SelfSchCut - System: Market dispatch of self-schedules to mitigate system-wide oversupply.
5. ExDispatch - Local: Exceptional dispatch to mitigate local congestion.
6. ExDispatch - System: Exceptional dispatch to mitigate system-wide oversupply.

Note: Amounts smaller than 1 MW are filtered out for simplicity. Such small curtailments are occasionally observed when forecasts are lower than Pmin when market will de-commit the unit and send the 0 MW dispatch.

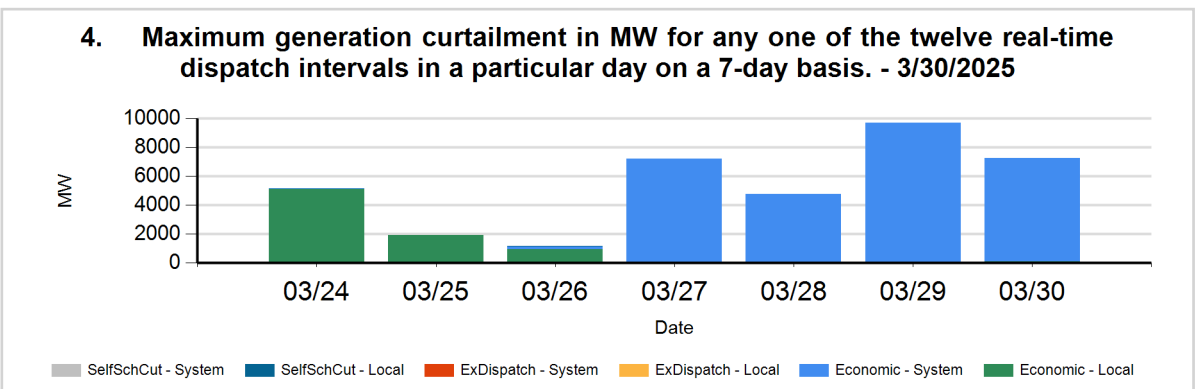
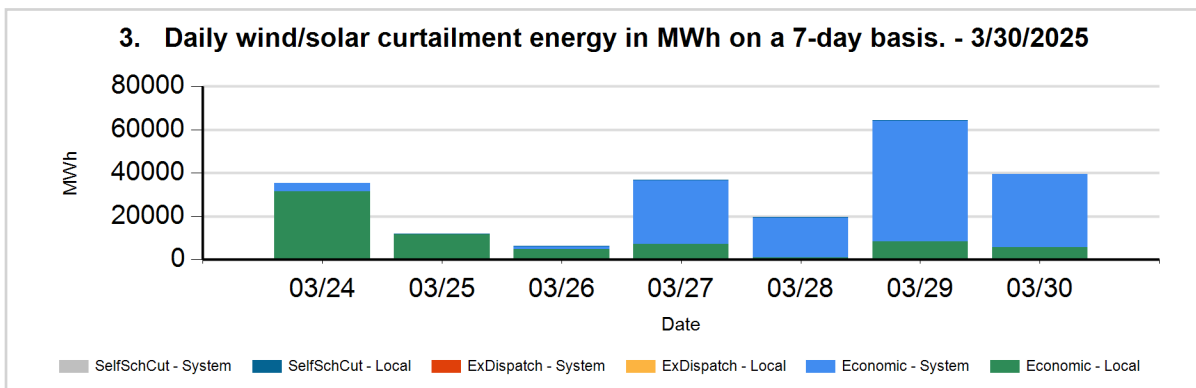
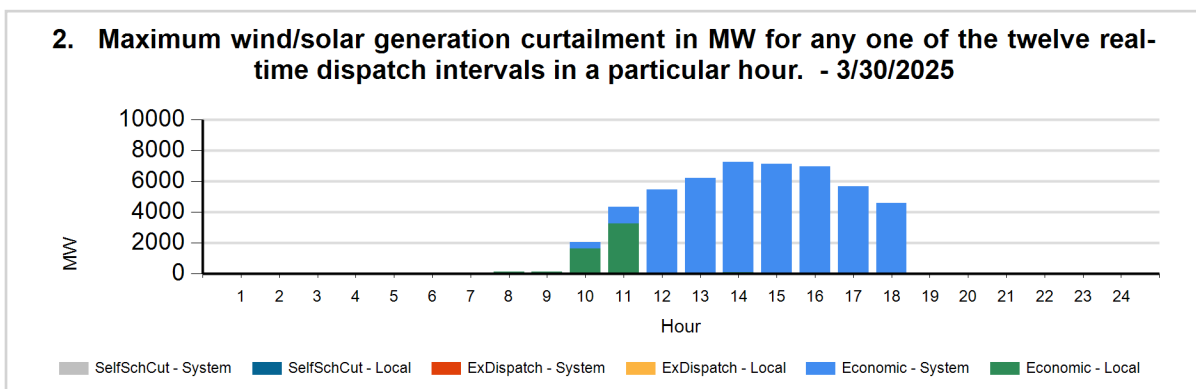
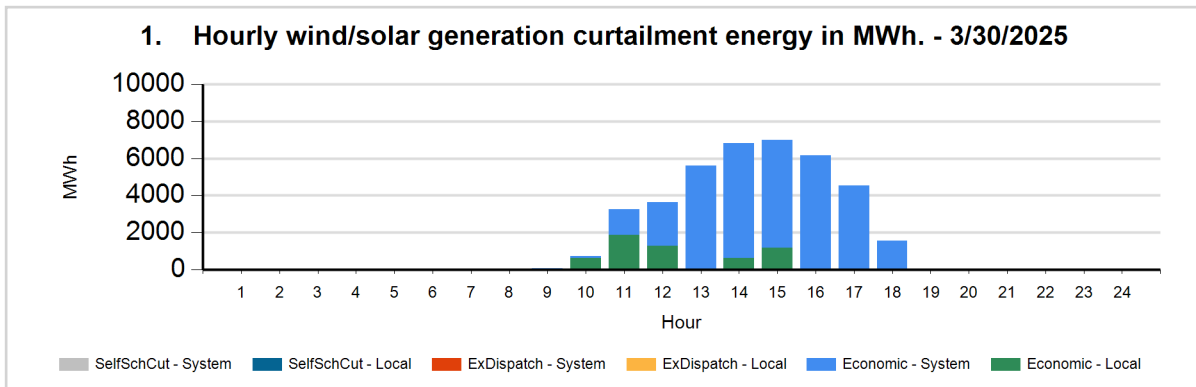
¹Only wind and solar resources can be reported in this manner because these resources have a forecast. Curtailment is defined as the difference between actual production and the forecast when actual production is less than the forecast.

²The Renewables Watch report provides daily actual renewable production within the ISO grid. It is available at: <http://www.caiso.com/green/renewableswatch.html>.

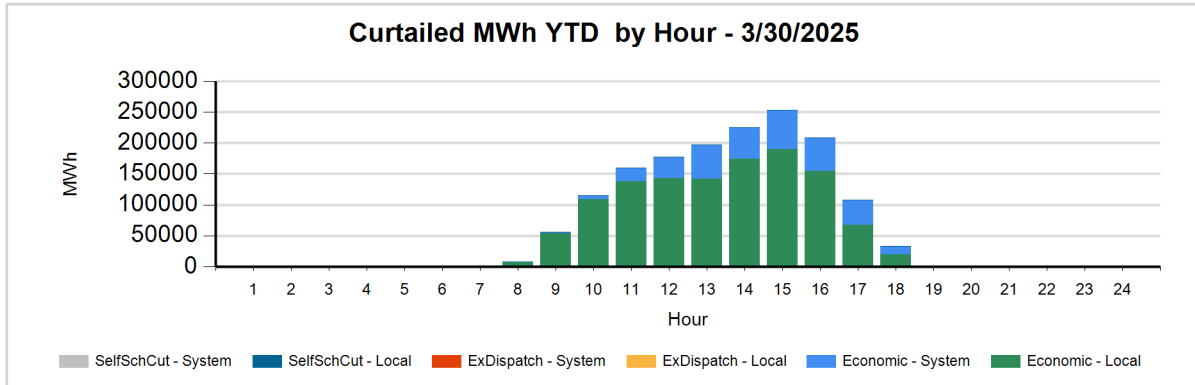
³Congestion occurs when available, least-cost energy cannot be delivered to some loads because transmission facilities do not have sufficient capacity to deliver the energy.

⁴For more information on oversupply conditions, please see: http://www.caiso.com/Documents/FlexibleResourcesHelpRenewables_FastFacts.pdf

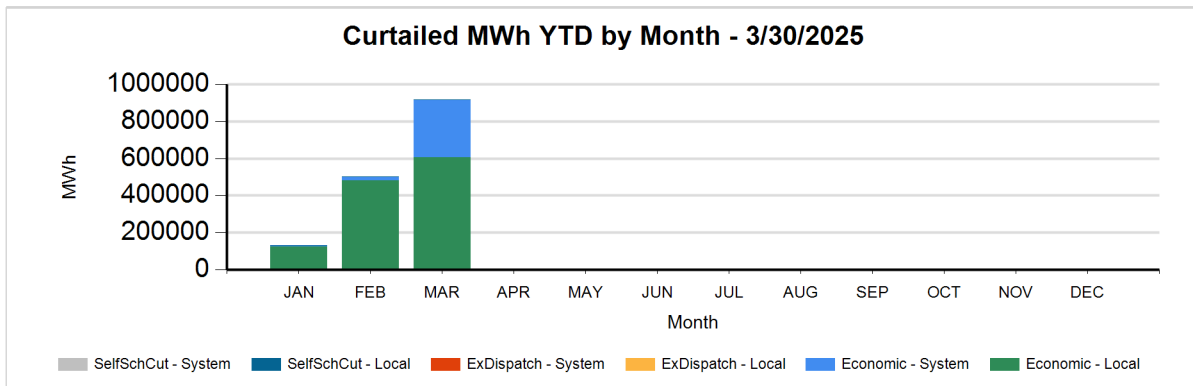
The following charts show the daily and 7-day wind and solar curtailment by category, if any.



The following charts show hourly year to date wind and solar curtailment by category, if any.



The following charts show monthly year to date wind and solar curtailment by category, if any.



TYPE	YTD CURTAILED MWH - 3/30/2025
LocalEconomic	1,211,467
LocalSelfSchCut	164
SystemEconomic	338,919
TOTAL	1,550,549

Data used to produce hourly chart

DATE	HOUR	CURT TYPE	REASON	FUEL TYPE	CURTAILED MWH	CURTAILED MW
03/30	8	Economic	Local	WIND	29	132
03/30	9	Economic	Local	SOLR	2	3
03/30	9	Economic	Local	WIND	49	115
03/30	9	Economic	System	SOLR	1	
03/30	10	Economic	Local	SOLR	476	1364
03/30	10	Economic	Local	WIND	137	269
03/30	10	Economic	System	SOLR	76	399
03/30	10	Economic	System	WIND	24	24
03/30	11	Economic	Local	SOLR	1558	2714
03/30	11	Economic	Local	WIND	305	523
03/30	11	Economic	System	SOLR	1235	1018
03/30	11	Economic	System	WIND	135	60
03/30	12	Economic	Local	SOLR	1121	45
03/30	12	Economic	Local	WIND	150	
03/30	12	Economic	System	SOLR	2033	4506
03/30	12	Economic	System	WIND	329	912
03/30	13	Economic	Local	SOLR	23	
03/30	13	Economic	System	SOLR	4628	5198
03/30	13	Economic	System	WIND	952	1029
03/30	14	Economic	Local	SOLR	518	78
03/30	14	Economic	Local	WIND	86	
03/30	14	Economic	System	SOLR	5203	6019
03/30	14	Economic	System	WIND	998	1151
03/30	15	Economic	Local	SOLR	1009	
03/30	15	Economic	Local	WIND	179	
03/30	15	Economic	System	SOLR	4832	5903
03/30	15	Economic	System	WIND	957	1234
03/30	16	Economic	Local	SOLR	23	57
03/30	16	Economic	System	SOLR	5176	5782
03/30	16	Economic	System	WIND	963	1122
03/30	17	Economic	System	SOLR	3694	4680

03/30	17	Economic	System	WIND	821	972
03/30	18	Economic	Local	SOLR	3	
03/30	18	Economic	Local	WIND	6	
03/30	18	Economic	System	SOLR	1269	3860
03/30	18	Economic	System	WIND	293	722

The information contained in this report is preliminary and subject to change without notice. No inference, decision or conclusion should be made based on the information in this report or any series of these reports. All values are hourly average unless otherwise stated. Questions about this report should be directed to Short-Term Forecasting at ShortTermForecasting@caiso.com.