

Wind and Solar Curtailment March 29, 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.

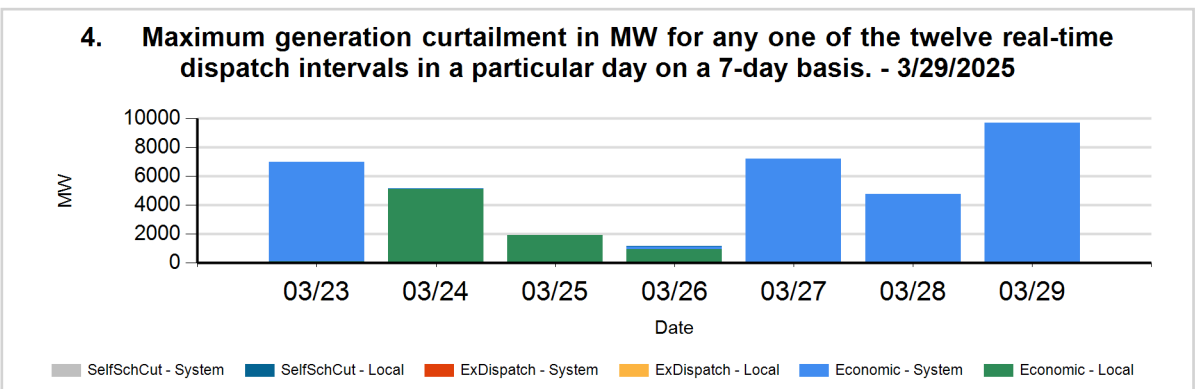
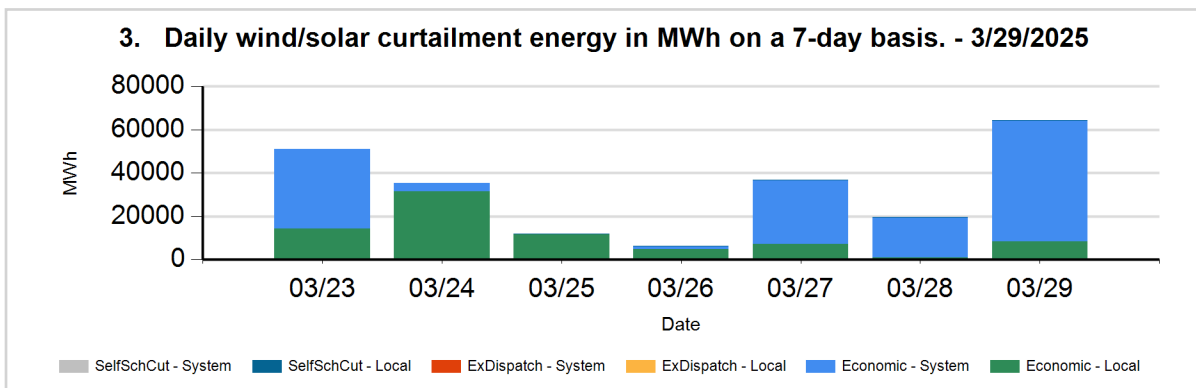
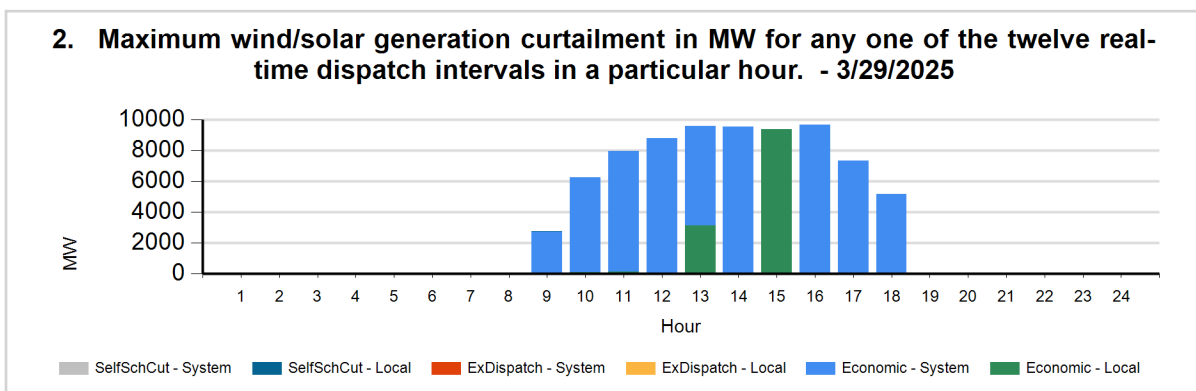
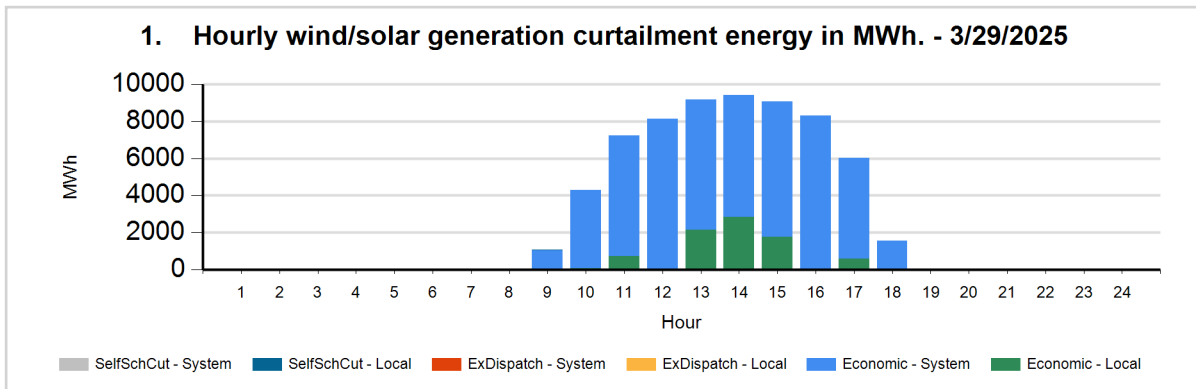
¹Only wind and solar resources can be reported in this manner because these resources have a forecast. Curtailment is defined as the difference between actual production and the forecast when actual production is less than the forecast.

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

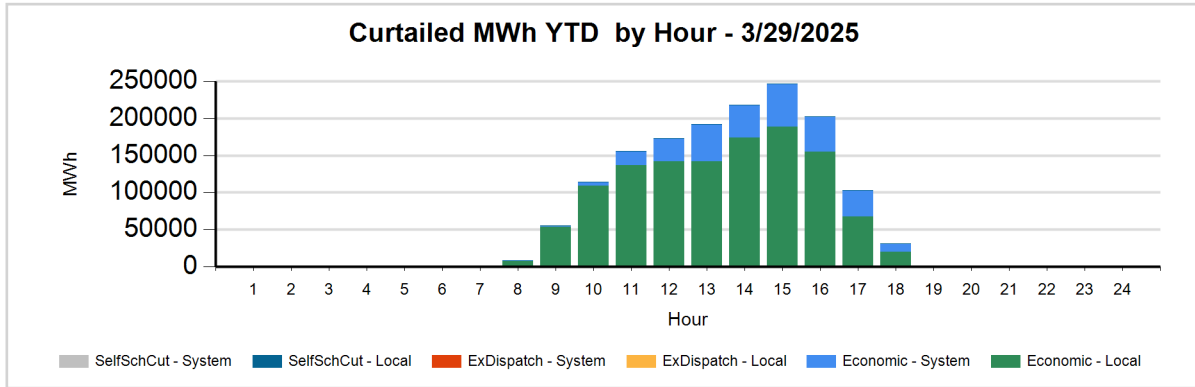
³Congestion occurs when available, least-cost energy cannot be delivered to some loads because transmission facilities do not have sufficient capacity to deliver the energy.

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

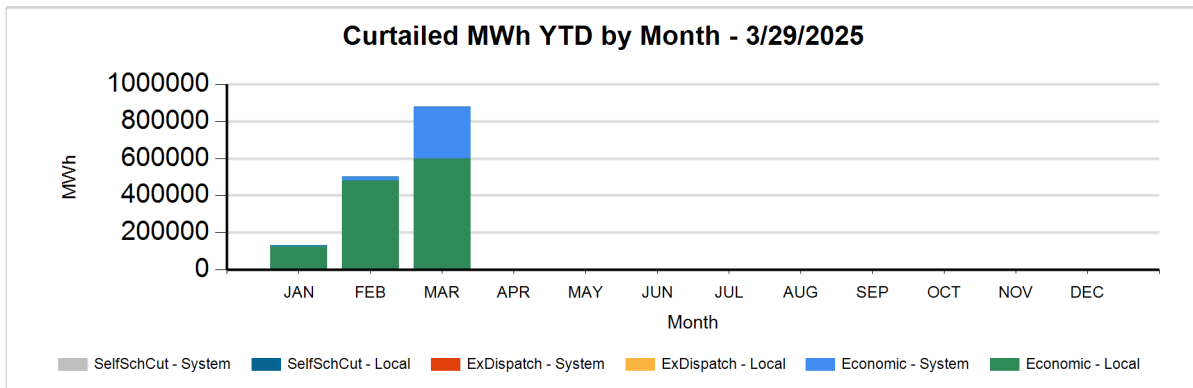
The following charts show the daily and 7-day wind and solar curtailment by category, if any.



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 - 3/29/2025
LocalEconomic	1,205,793
LocalSelfSchCut	164
SystemEconomic	305,298
TOTAL	1,511,256

Data used to produce hourly chart

DATE	HOUR	CURT TYPE	REASON	FUEL TYPE	CURTAILED MWH	CURTAILED MW
03/29	8	Economic	System	SOLR	2	13
03/29	9	Economic	Local	SOLR	24	53
03/29	9	Economic	Local	WIND	4	
03/29	9	Economic	System	SOLR	889	2480
03/29	9	Economic	System	WIND	151	227
03/29	9	SelfSchCut	Local	SOLR	1	4
03/29	10	Economic	Local	SOLR	82	95
03/29	10	Economic	System	SOLR	3795	5575
03/29	10	Economic	System	WIND	427	587
03/29	11	Economic	Local	SOLR	664	100
03/29	11	Economic	Local	WIND	48	
03/29	11	Economic	System	SOLR	5924	7242
03/29	11	Economic	System	WIND	583	638
03/29	12	Economic	Local	SOLR	35	
03/29	12	Economic	System	SOLR	7352	7928
03/29	12	Economic	System	WIND	731	856
03/29	13	Economic	Local	SOLR	2127	3131
03/29	13	Economic	Local	WIND	6	
03/29	13	Economic	System	SOLR	6197	5651
03/29	13	Economic	System	WIND	847	829
03/29	14	Economic	Local	SOLR	2770	
03/29	14	Economic	Local	WIND	74	
03/29	14	Economic	System	SOLR	5811	8714
03/29	14	Economic	System	WIND	763	842
03/29	15	Economic	Local	SOLR	1625	8555
03/29	15	Economic	Local	WIND	138	824
03/29	15	Economic	System	SOLR	6594	
03/29	15	Economic	System	WIND	699	
03/29	16	Economic	Local	SOLR	7	
03/29	16	Economic	System	SOLR	7484	8820
03/29	16	Economic	System	WIND	810	864

03/29	17	Economic	Local	SOLR	513	
03/29	17	Economic	Local	WIND	55	
03/29	17	Economic	System	SOLR	4823	6647
03/29	17	Economic	System	WIND	616	684
03/29	18	Economic	Local	SOLR	17	
03/29	18	Economic	Local	WIND	7	
03/29	18	Economic	System	SOLR	1325	4544
03/29	18	Economic	System	WIND	218	631

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.