

Wind and Solar Curtailment March 15, 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.

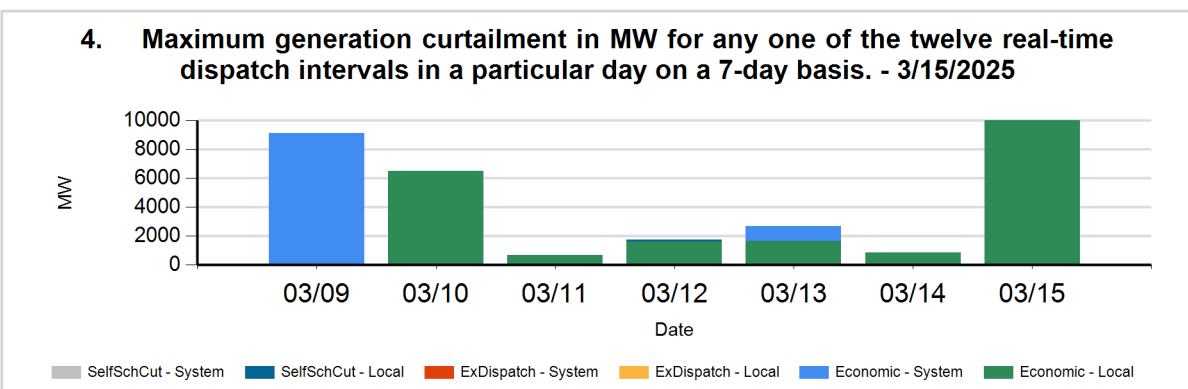
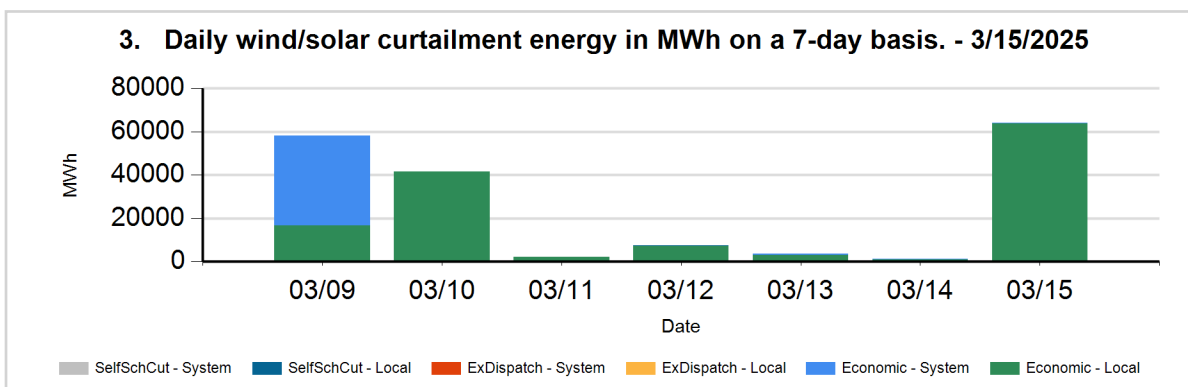
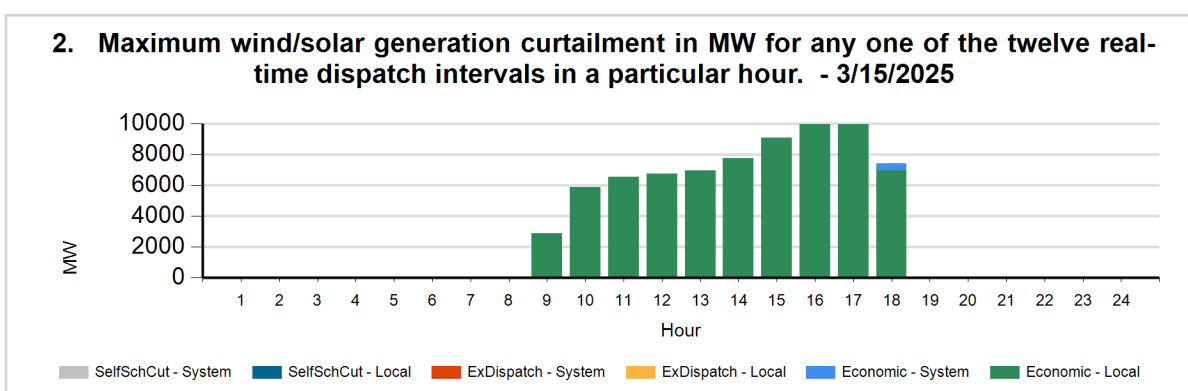
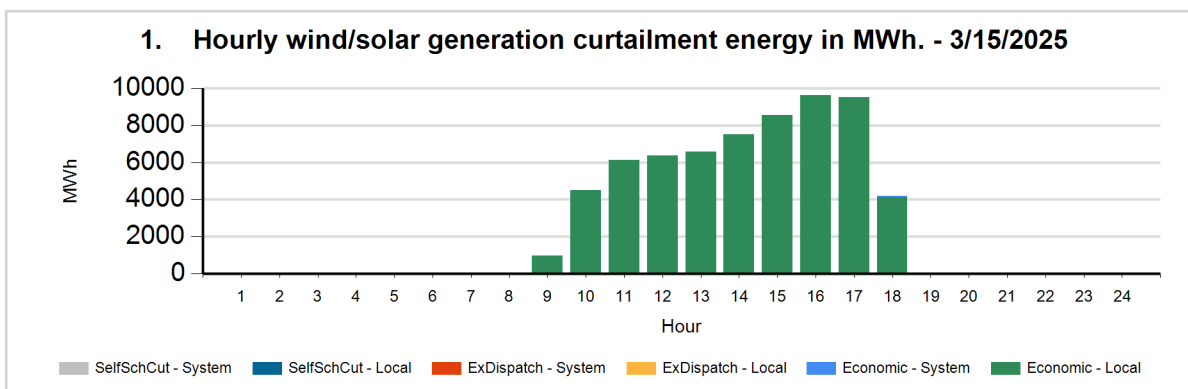
¹Only wind and solar resources can be reported in this manner because these resources have a forecast. Curtailment is defined as the difference between actual production and the forecast when actual production is less than the forecast.

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

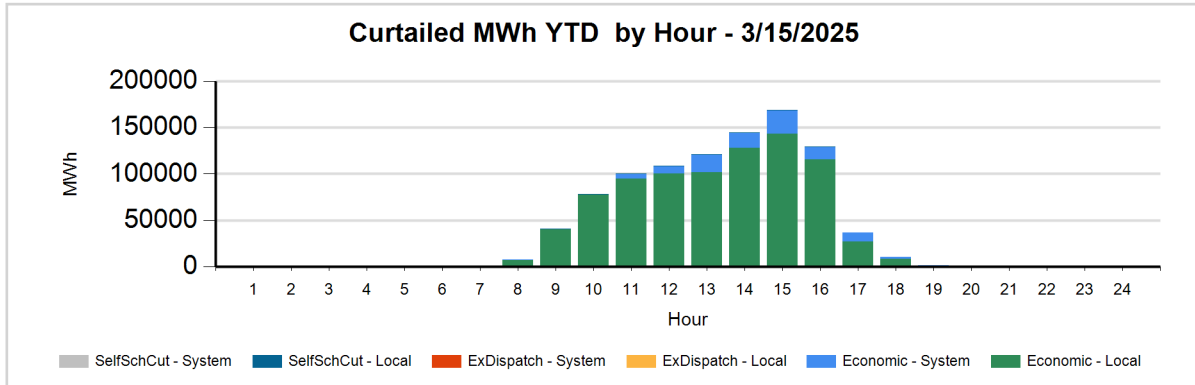
³Congestion occurs when available, least-cost energy cannot be delivered to some loads because transmission facilities do not have sufficient capacity to deliver the energy.

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

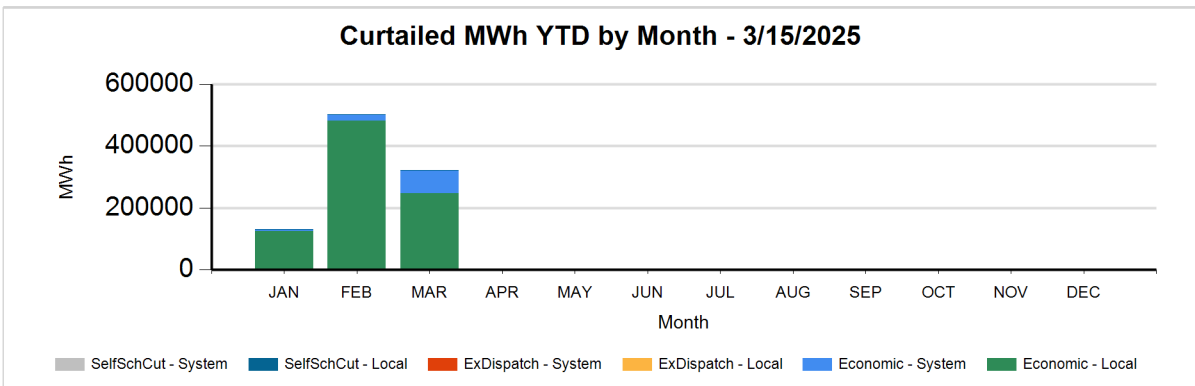
The following charts show the daily and 7-day wind and solar curtailment by category, if any.



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 - 3/15/2025
LocalEconomic	852,150
LocalSelfSchCut	117
SystemEconomic	103,132
TOTAL	955,399

Data used to produce hourly chart

DATE	HOUR	CURT TYPE	REASON	FUEL TYPE	CURTAILED MWH	CURTAILED MW
03/15	8	Economic	Local	SOLR	3	33
03/15	9	Economic	Local	SOLR	915	2713
03/15	9	Economic	Local	WIND	41	179
03/15	10	Economic	Local	SOLR	4067	5299
03/15	10	Economic	Local	WIND	439	599
03/15	11	Economic	Local	SOLR	5558	6047
03/15	11	Economic	Local	WIND	555	488
03/15	12	Economic	Local	SOLR	5902	6280
03/15	12	Economic	Local	WIND	465	482
03/15	13	Economic	Local	SOLR	6046	6432
03/15	13	Economic	Local	WIND	512	516
03/15	14	Economic	Local	SOLR	6985	7243
03/15	14	Economic	Local	WIND	515	519
03/15	15	Economic	Local	SOLR	8037	8525
03/15	15	Economic	Local	WIND	508	554
03/15	16	Economic	Local	SOLR	9094	9362
03/15	16	Economic	Local	WIND	539	605
03/15	17	Economic	Local	SOLR	8987	9569
03/15	17	Economic	Local	WIND	522	524
03/15	17	Economic	System	SOLR	17	18
03/15	17	Economic	System	WIND	6	
03/15	18	Economic	Local	SOLR	3724	6444
03/15	18	Economic	Local	WIND	383	527
03/15	18	Economic	System	SOLR	68	382
03/15	18	Economic	System	WIND	19	81

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.

