

## Wind and Solar Curtailment March 04, 2025

This report is produced daily to provide a detailed accounting of the wind and solar renewable generation that was curtailed and the reasons why<sup>1</sup>. This report should be read in the context of the Renewables Watch report for a more complete understanding of both renewable curtailment and generation<sup>2</sup>.

Wind and solar curtailments are grouped into the following categories:

1. Economic - Local: Market dispatch of generators with economic bids to mitigate local congestion<sup>3</sup>.
2. Economic - System: Market dispatch of generators with economic bids to mitigate system-wide oversupply<sup>4</sup>.
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.

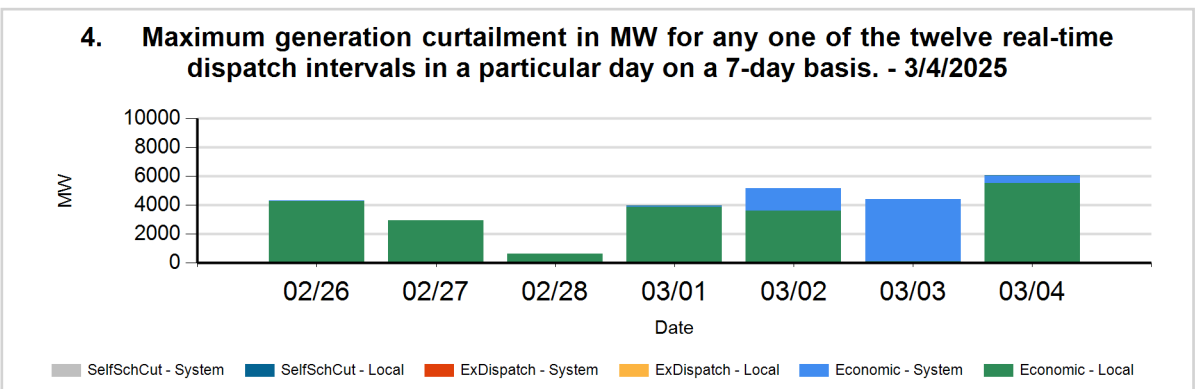
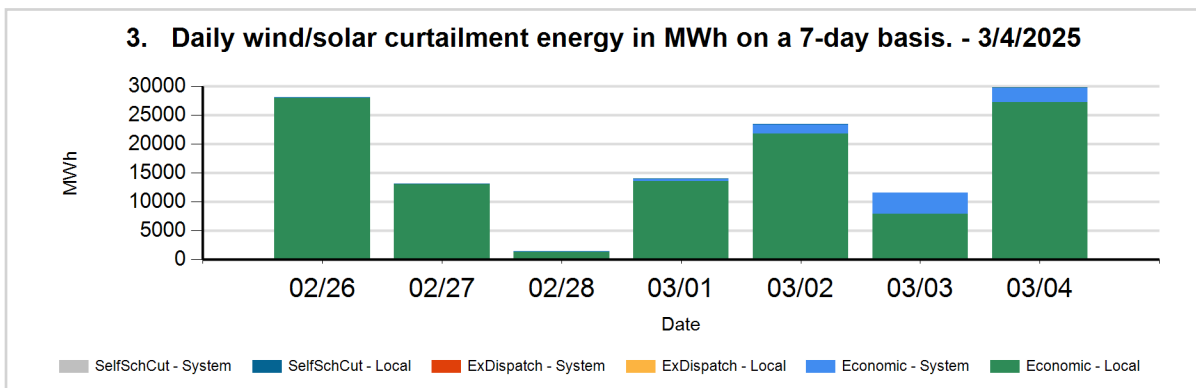
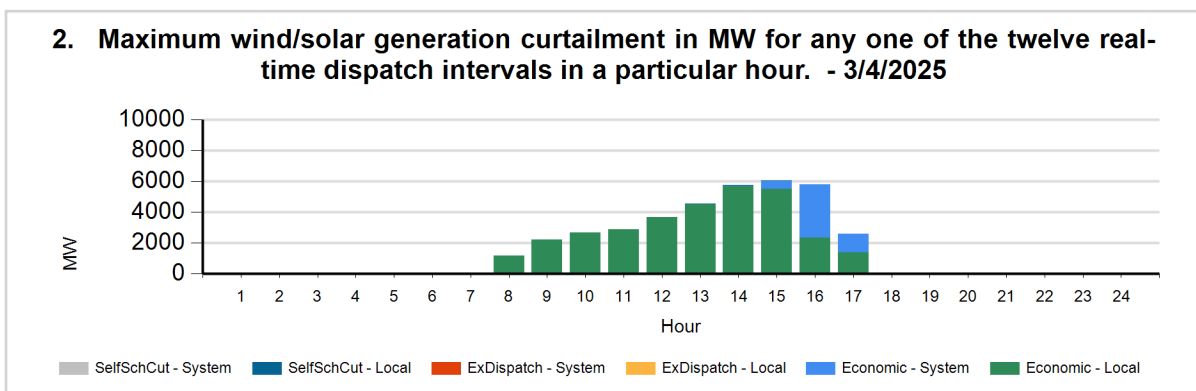
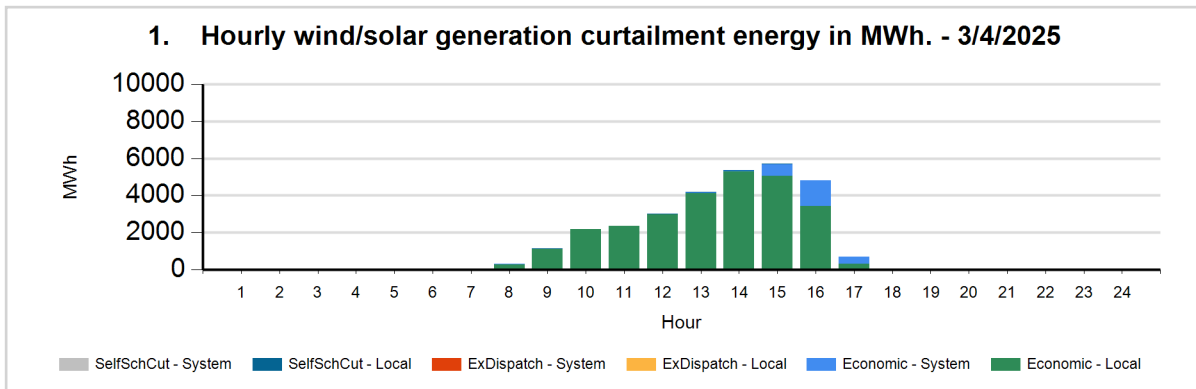
<sup>1</sup>Only wind and solar resources can be reported in this manner because these resources have a forecast. Curtailment is defined as the difference between actual production and the forecast when actual production is less than the forecast.

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

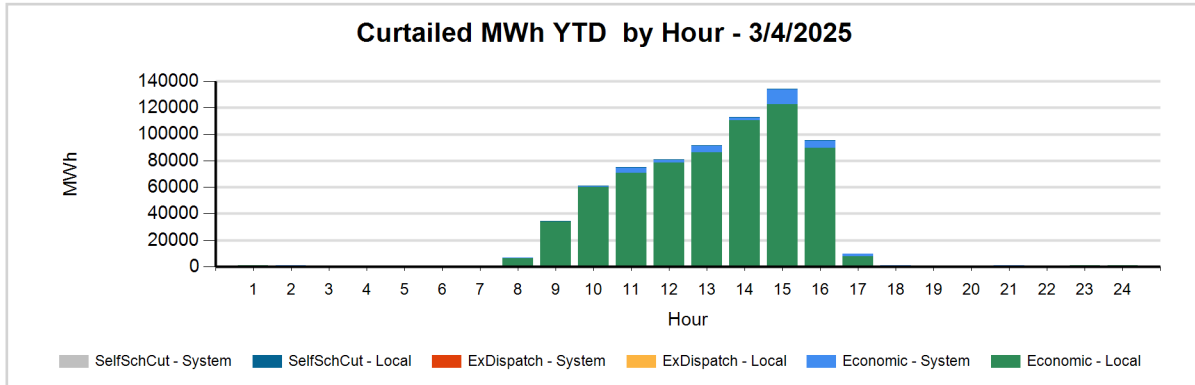
<sup>3</sup>Congestion occurs when available, least-cost energy cannot be delivered to some loads because transmission facilities do not have sufficient capacity to deliver the energy.

<sup>4</sup>For more information on oversupply conditions, please see: [http://www.caiso.com/Documents/FlexibleResourcesHelpRenewables\\_FastFacts.pdf](http://www.caiso.com/Documents/FlexibleResourcesHelpRenewables_FastFacts.pdf)

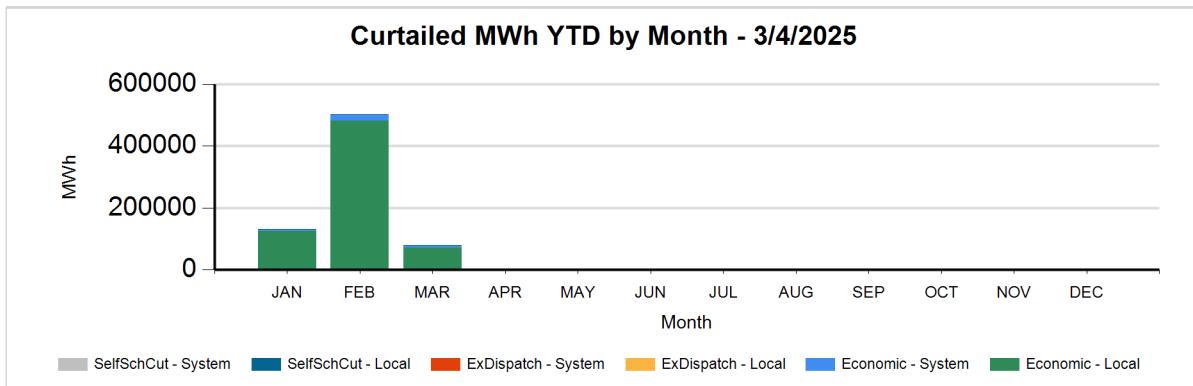
The following charts show the daily and 7-day wind and solar curtailment by category, if any.



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 - 3/4/2025
LocalEconomic	676,629
LocalSelfSchCut	91
SystemEconomic	34,824
TOTAL	711,545

### Data used to produce hourly chart

DATE	HOUR	CURT TYPE	REASON	FUEL TYPE	CURTAILED MWH	CURTAILED MW
03/04	8	Economic	Local	SOLR	315	1162
03/04	8	Economic	System	SOLR	4	
03/04	8	Economic	System	WIND	1	
03/04	9	Economic	Local	SOLR	1127	2202
03/04	9	SelfSchCut	Local	SOLR	1	
03/04	10	Economic	Local	SOLR	2144	2531
03/04	10	Economic	Local	WIND	50	127
03/04	11	Economic	Local	SOLR	2312	2818
03/04	11	Economic	Local	WIND	52	42
03/04	12	Economic	Local	SOLR	2995	3624
03/04	12	Economic	Local	WIND	20	28
03/04	12	SelfSchCut	Local	SOLR	2	
03/04	13	Economic	Local	SOLR	4105	4445
03/04	13	Economic	Local	WIND	50	53
03/04	13	Economic	System	WIND	6	26
03/04	13	SelfSchCut	Local	SOLR	24	31
03/04	14	Economic	Local	SOLR	5207	5539
03/04	14	Economic	Local	WIND	114	118
03/04	14	Economic	System	SOLR	5	36
03/04	14	Economic	System	WIND	18	30
03/04	14	SelfSchCut	Local	SOLR	13	14
03/04	15	Economic	Local	SOLR	4943	5323
03/04	15	Economic	Local	WIND	110	165
03/04	15	Economic	System	SOLR	567	531
03/04	15	Economic	System	WIND	88	23
03/04	15	SelfSchCut	Local	SOLR	3	3
03/04	16	Economic	Local	SOLR	3381	2320
03/04	16	Economic	Local	WIND	39	
03/04	16	Economic	System	SOLR	1290	3338
03/04	16	Economic	System	WIND	92	153
03/04	17	Economic	Local	SOLR	295	1367

03/04	17	Economic	System	SOLR	355	1140
03/04	17	Economic	System	WIND	22	81
03/04	18	Economic	System	SOLR	3	18

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](mailto:ShortTermForecasting@caiso.com).