

## Wind and Solar Curtailment May 03, 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.

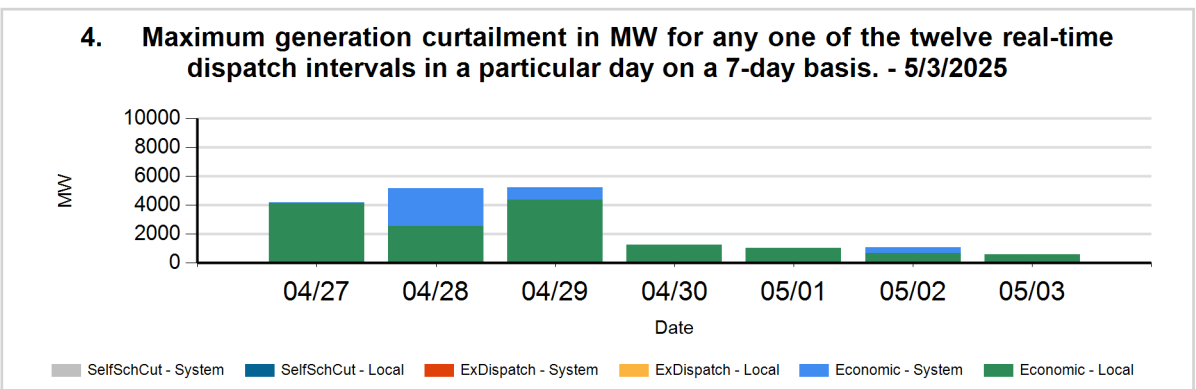
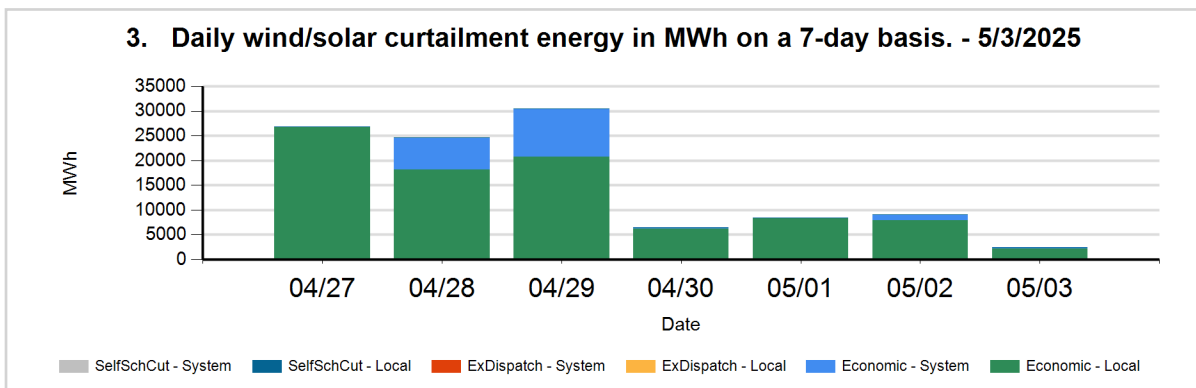
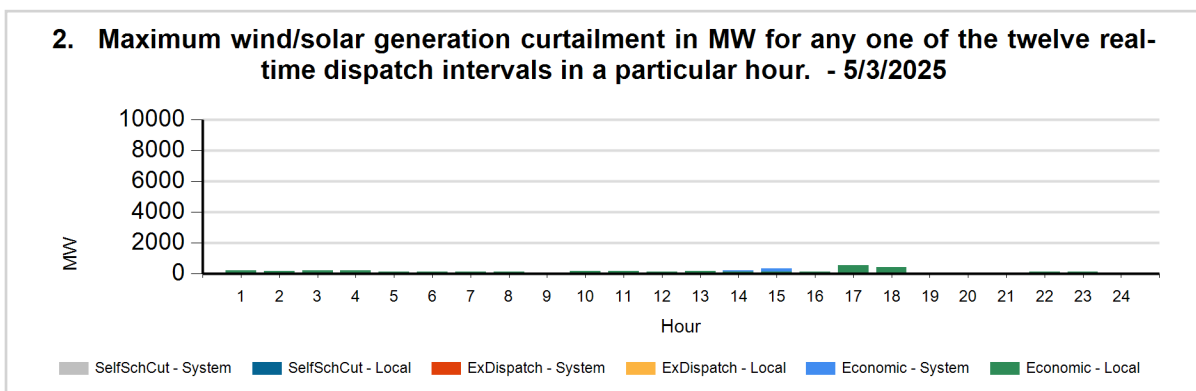
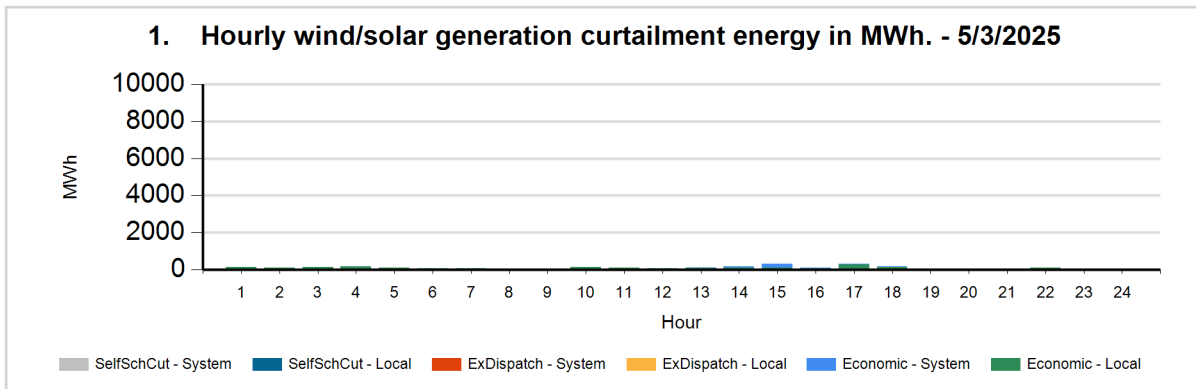
<sup>1</sup>Only wind and solar resources can be reported in this manner because these resources have a forecast. Curtailment is defined as the difference between actual production and the forecast when actual production is less than the forecast.

<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>.

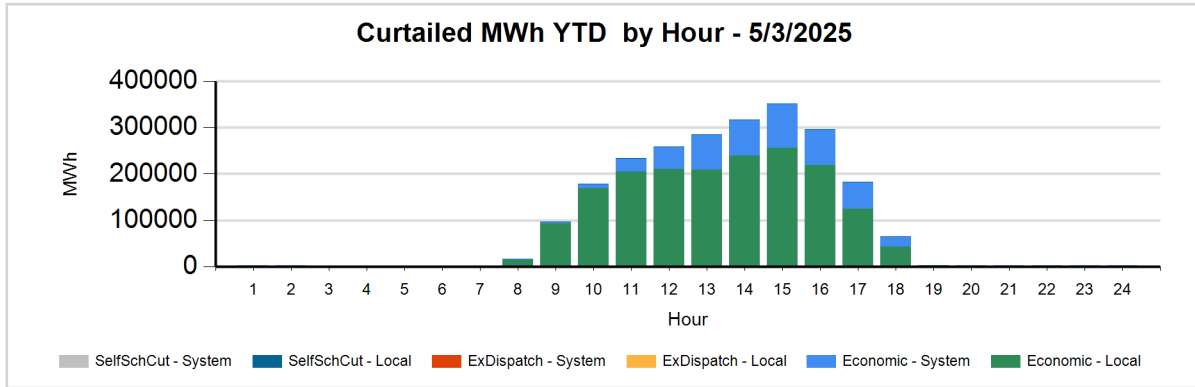
<sup>3</sup>Congestion occurs when available, least-cost energy cannot be delivered to some loads because transmission facilities do not have sufficient capacity to deliver the energy.

<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)

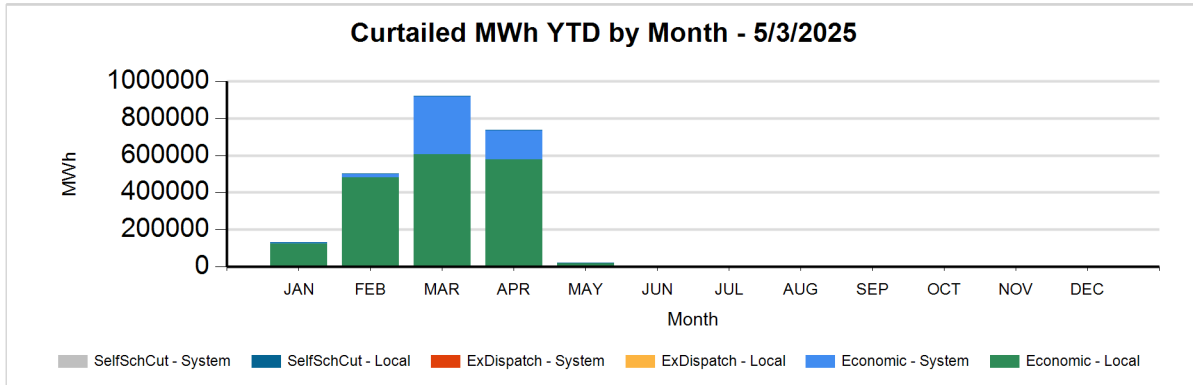
The following charts show the daily and 7-day wind and solar curtailment by category, if any.



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 - 5/3/2025
LocalEconomic	1,807,135
LocalSelfSchCut	656
SystemEconomic	502,018
TOTAL	2,309,809

### Data used to produce hourly chart

DATE	HOUR	CURT TYPE	REASON	FUEL TYPE	CURTAILED MWH	CURTAILED MW
05/03	1	Economic	Local	WIND	134	194
05/03	2	Economic	Local	WIND	117	169
05/03	3	Economic	Local	WIND	141	194
05/03	4	Economic	Local	WIND	163	213
05/03	5	Economic	Local	WIND	100	132
05/03	6	Economic	Local	WIND	60	106
05/03	7	Economic	Local	WIND	61	113
05/03	8	Economic	Local	SOLR	23	70
05/03	8	Economic	Local	WIND	12	51
05/03	9	Economic	Local	SOLR	1	
05/03	9	Economic	Local	WIND	12	51
05/03	10	Economic	Local	SOLR	1	
05/03	10	Economic	Local	WIND	133	182
05/03	11	Economic	Local	SOLR	3	5
05/03	11	Economic	Local	WIND	103	163
05/03	12	Economic	Local	SOLR	57	128
05/03	12	Economic	Local	WIND	13	
05/03	13	Economic	Local	SOLR	108	149
05/03	13	Economic	Local	WIND	7	14
05/03	13	Economic	System	WIND	0	
05/03	13	SelfSchCut	Local	SOLR	1	
05/03	14	Economic	Local	SOLR	83	110
05/03	14	Economic	Local	WIND	20	
05/03	14	Economic	System	SOLR	5	6
05/03	14	Economic	System	WIND	62	88
05/03	15	Economic	Local	SOLR	106	114
05/03	15	Economic	System	SOLR	8	6
05/03	15	Economic	System	WIND	177	223
05/03	16	Economic	Local	SOLR	98	137
05/03	16	Economic	System	SOLR	6	
05/03	16	SelfSchCut	Local	SOLR	0	

05/03	17	Economic	Local	SOLR	318	556
05/03	17	Economic	System	SOLR	6	
05/03	18	Economic	Local	SOLR	172	413
05/03	18	Economic	System	SOLR	1	
05/03	19	Economic	Local	SOLR	2	11
05/03	20	Economic	System	SOLR	0	1
05/03	22	Economic	Local	WIND	86	130
05/03	23	Economic	Local	WIND	27	100
05/03	24	Economic	Local	WIND	2	12

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).