

## Wind and Solar Curtailment May 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.

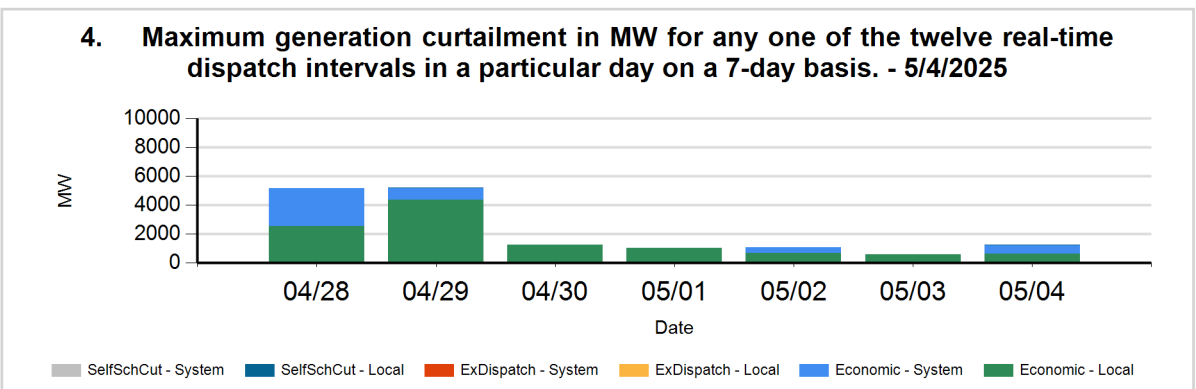
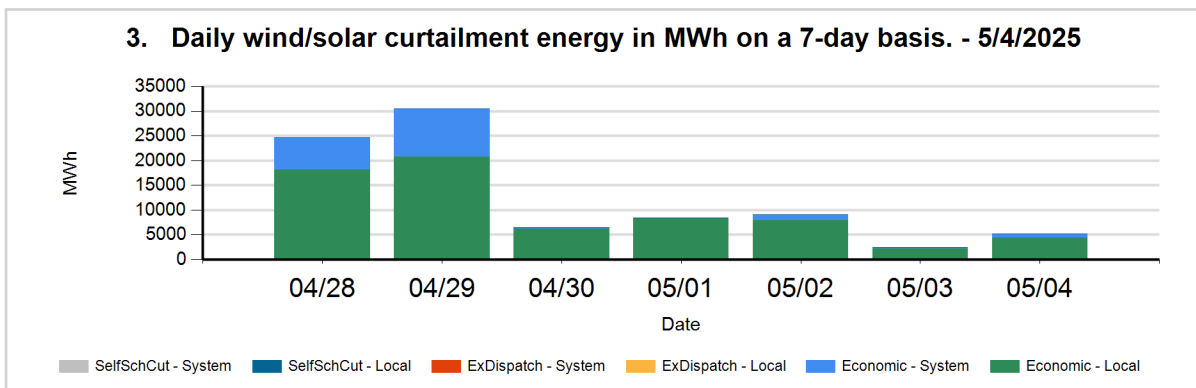
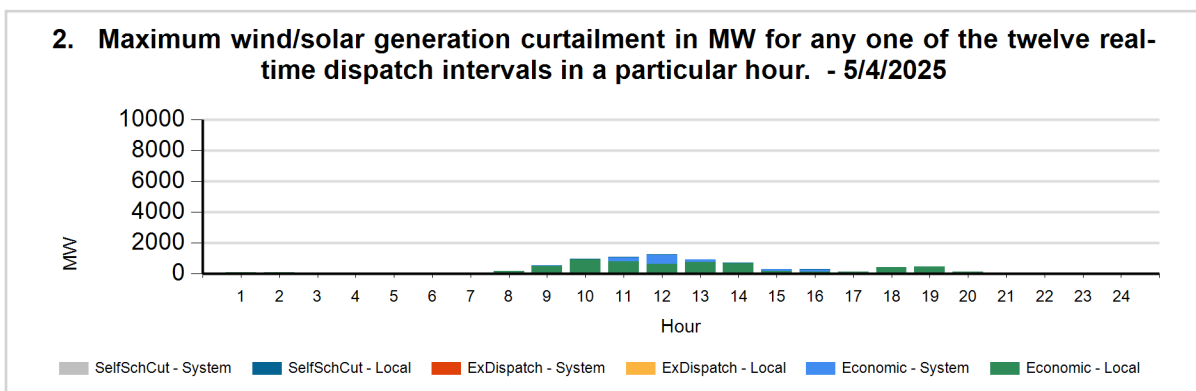
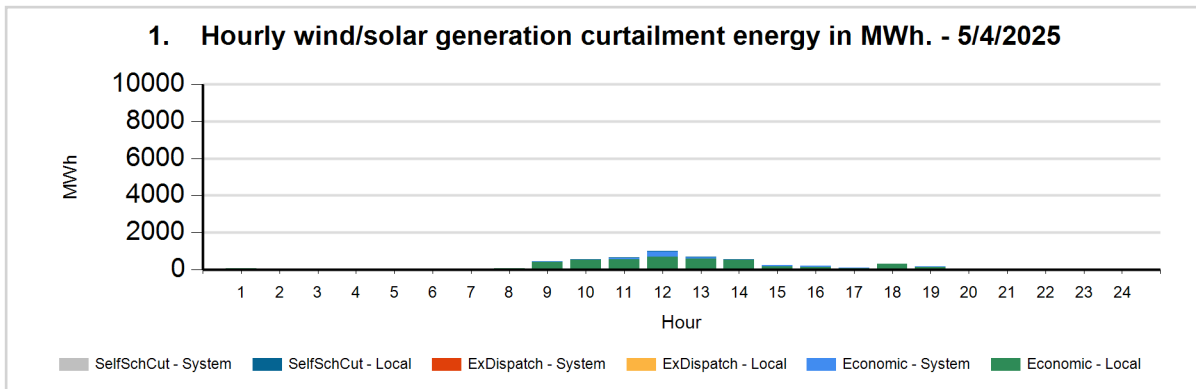
<sup>1</sup>Only wind and solar resources can be reported in this manner because these resources have a forecast. Curtailment is defined as the difference between actual production and the forecast when actual production is less than the forecast.

<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>.

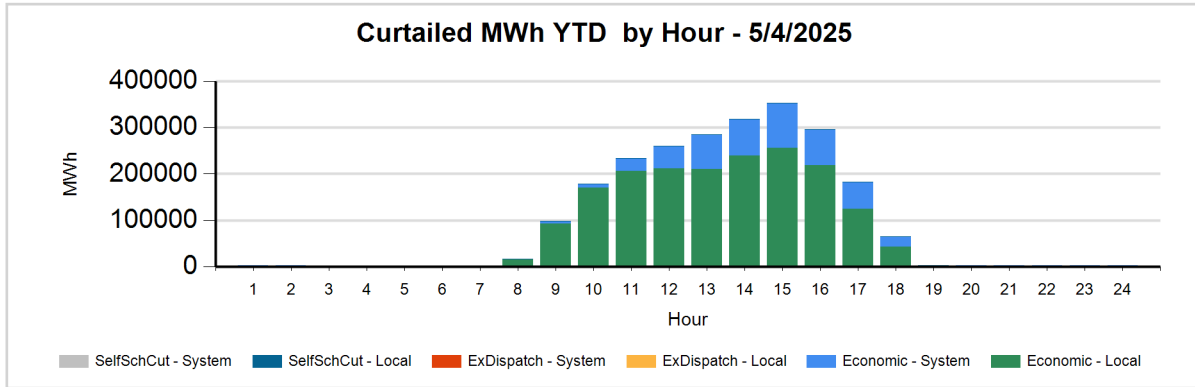
<sup>3</sup>Congestion occurs when available, least-cost energy cannot be delivered to some loads because transmission facilities do not have sufficient capacity to deliver the energy.

<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)

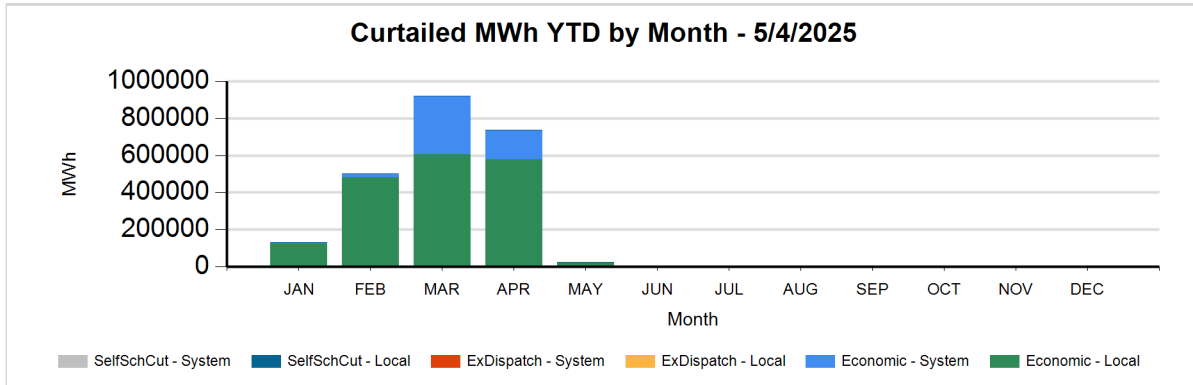
The following charts show the daily and 7-day wind and solar curtailment by category, if any.



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 - 5/4/2025
LocalEconomic	1,811,561
LocalSelfSchCut	675
SystemEconomic	502,706
TOTAL	2,314,942

### Data used to produce hourly chart

DATE	HOUR	CURT TYPE	REASON	FUEL TYPE	CURTAILED MWH	CURTAILED MW
05/04	1	Economic	Local	WIND	62	88
05/04	2	Economic	Local	WIND	43	95
05/04	3	Economic	Local	WIND	16	39
05/04	4	Economic	Local	WIND	4	37
05/04	8	Economic	Local	SOLR	32	94
05/04	8	Economic	Local	WIND	23	72
05/04	9	Economic	Local	SOLR	266	353
05/04	9	Economic	Local	WIND	183	199
05/04	9	Economic	System	SOLR	9	3
05/04	10	Economic	Local	SOLR	521	971
05/04	10	Economic	Local	WIND	21	
05/04	10	SelfSchCut	Local	SOLR	1	2
05/04	11	Economic	Local	SOLR	556	805
05/04	11	Economic	System	SOLR	72	132
05/04	11	Economic	System	WIND	39	137
05/04	11	SelfSchCut	Local	SOLR	2	2
05/04	12	Economic	Local	SOLR	663	620
05/04	12	Economic	Local	WIND	17	
05/04	12	Economic	System	SOLR	164	394
05/04	12	Economic	System	WIND	144	223
05/04	12	SelfSchCut	Local	SOLR	6	5
05/04	13	Economic	Local	SOLR	563	737
05/04	13	Economic	Local	WIND	28	
05/04	13	Economic	System	SOLR	30	60
05/04	13	Economic	System	WIND	75	131
05/04	13	SelfSchCut	Local	SOLR	1	
05/04	14	Economic	Local	SOLR	476	602
05/04	14	Economic	Local	WIND	59	74
05/04	14	Economic	System	SOLR	7	9
05/04	14	Economic	System	WIND	3	
05/04	14	SelfSchCut	Local	SOLR	9	12

05/04	15	Economic	Local	SOLR	155	159
05/04	15	Economic	Local	WIND	5	
05/04	15	Economic	System	SOLR	19	19
05/04	15	Economic	System	WIND	60	105
05/04	16	Economic	Local	SOLR	129	138
05/04	16	Economic	Local	WIND	20	
05/04	16	Economic	System	SOLR	24	72
05/04	16	Economic	System	WIND	36	55
05/04	16	SelfSchCut	Local	SOLR	0	2
05/04	17	Economic	Local	SOLR	110	138
05/04	17	Economic	System	SOLR	5	
05/04	17	SelfSchCut	Local	SOLR	0	
05/04	18	Economic	Local	SOLR	299	420
05/04	19	Economic	Local	SOLR	158	443
05/04	19	Economic	System	SOLR	1	
05/04	20	Economic	Local	SOLR	15	106

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).