

## Wind and Solar Curtailment April 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 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.

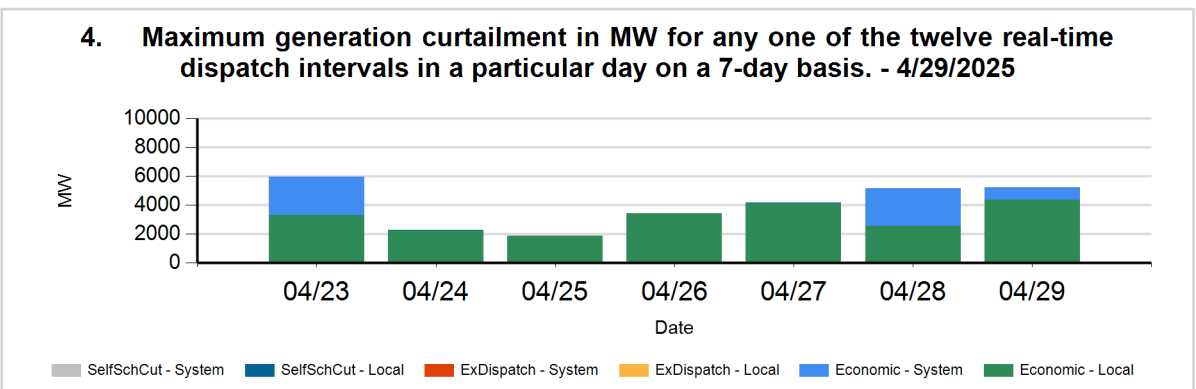
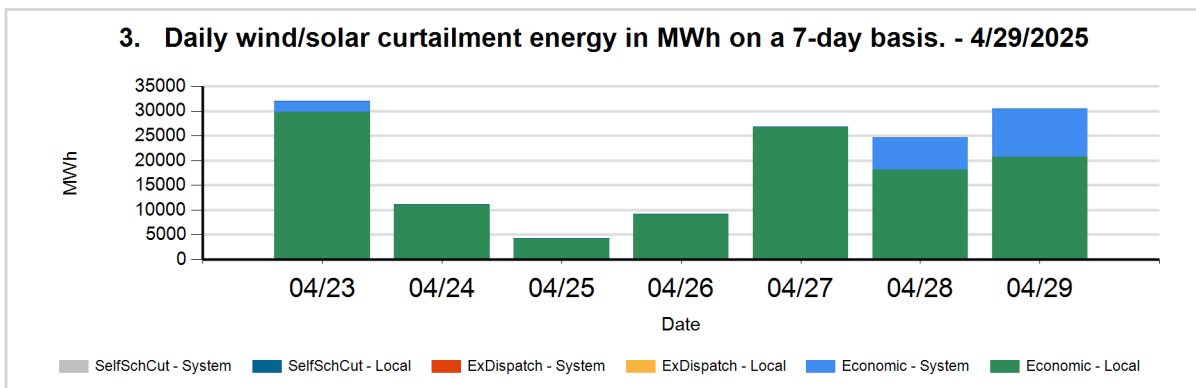
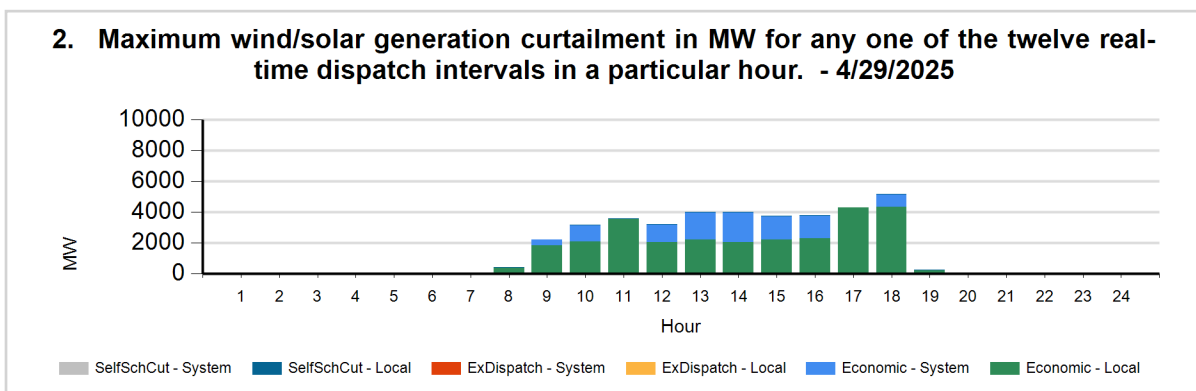
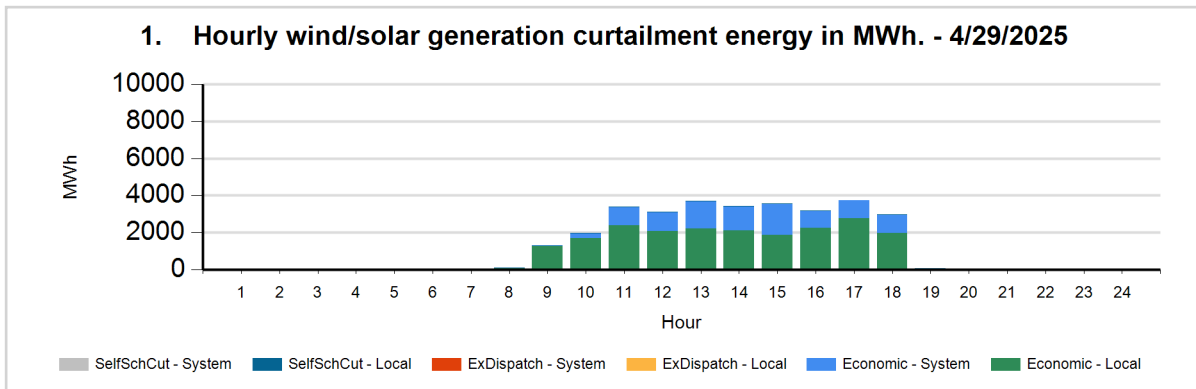
<sup>1</sup>Only wind and solar resources can be reported in this manner because these resources have a forecast. Curtailment is defined as the difference between actual production and the forecast when actual production is less than the forecast.

<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>.

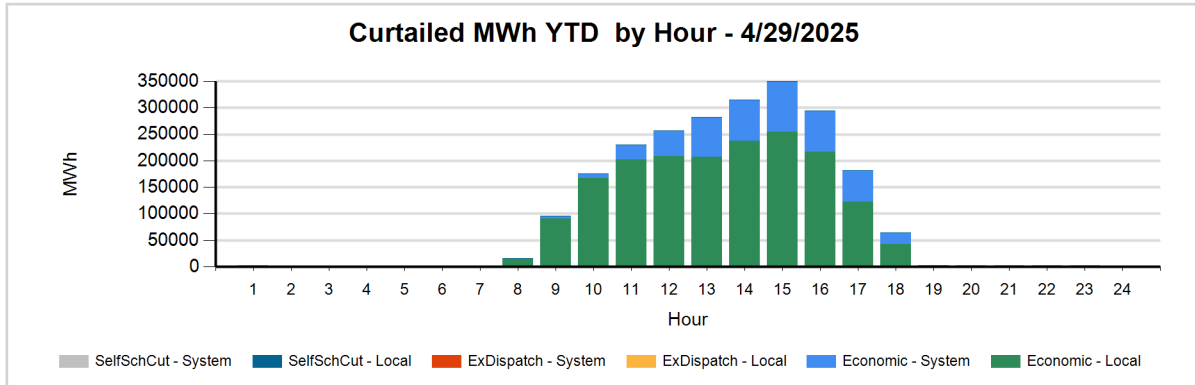
<sup>3</sup>Congestion occurs when available, least-cost energy cannot be delivered to some loads because transmission facilities do not have sufficient capacity to deliver the energy.

<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)

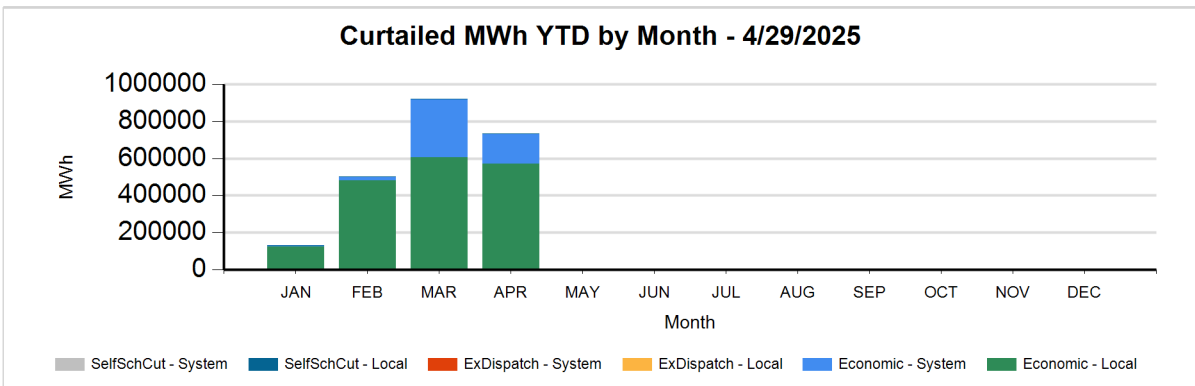
The following charts show the daily and 7-day wind and solar curtailment by category, if any.



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 - 4/29/2025
LocalEconomic	1,782,355
LocalSelfSchCut	601
SystemEconomic	500,601
TOTAL	2,283,557

Data used to produce hourly chart

DATE	HOUR	CURT TYPE	REASON	FUEL TYPE	CURTAILED MWH	CURTAILED MW
04/29	8	Economic	Local	SOLR	95	392
04/29	8	Economic	System	SOLR	3	18
04/29	8	SelfSchCut	Local	SOLR	1	4
04/29	9	Economic	Local	SOLR	1278	1852
04/29	9	Economic	System	SOLR	44	346
04/29	9	Economic	System	WIND	0	2
04/29	10	Economic	Local	SOLR	1684	2092
04/29	10	Economic	System	SOLR	274	1052
04/29	10	Economic	System	WIND	0	
04/29	10	SelfSchCut	Local	SOLR	20	30
04/29	11	Economic	Local	SOLR	2386	3551
04/29	11	Economic	Local	WIND	0	2
04/29	11	Economic	System	SOLR	967	22
04/29	11	Economic	System	WIND	1	
04/29	11	SelfSchCut	Local	SOLR	27	28
04/29	12	Economic	Local	SOLR	2075	2052
04/29	12	Economic	Local	WIND	0	
04/29	12	Economic	System	SOLR	1039	1162
04/29	12	Economic	System	WIND	0	
04/29	12	SelfSchCut	Local	SOLR	4	13
04/29	13	Economic	Local	SOLR	2227	2198
04/29	13	Economic	System	SOLR	1430	1769
04/29	13	Economic	System	WIND	5	6
04/29	13	SelfSchCut	Local	SOLR	27	27
04/29	14	Economic	Local	SOLR	2100	2044
04/29	14	Economic	Local	WIND	3	
04/29	14	Economic	System	SOLR	1295	1884
04/29	14	Economic	System	WIND	14	47
04/29	14	SelfSchCut	Local	SOLR	5	6
04/29	15	Economic	Local	SOLR	1858	2205
04/29	15	Economic	System	SOLR	1620	1482

04/29	15	Economic	System	WIND	64	42
04/29	15	SelfSchCut	Local	SOLR	20	18
04/29	16	Economic	Local	SOLR	2239	2276
04/29	16	Economic	Local	WIND	22	
04/29	16	Economic	System	SOLR	862	1450
04/29	16	Economic	System	WIND	49	48
04/29	16	SelfSchCut	Local	SOLR	25	26
04/29	17	Economic	Local	SOLR	2678	4125
04/29	17	Economic	Local	WIND	75	163
04/29	17	Economic	System	SOLR	904	
04/29	17	Economic	System	WIND	78	
04/29	18	Economic	Local	SOLR	1799	3968
04/29	18	Economic	Local	WIND	165	362
04/29	18	Economic	System	SOLR	906	808
04/29	18	Economic	System	WIND	85	15
04/29	18	SelfSchCut	Local	SOLR	16	25
04/29	19	Economic	Local	SOLR	48	260
04/29	19	Economic	System	SOLR	6	
04/29	19	SelfSchCut	Local	SOLR	1	5
04/29	20	Economic	Local	SOLR	2	14

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).