

## Wind and Solar Curtailment May 13, 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.

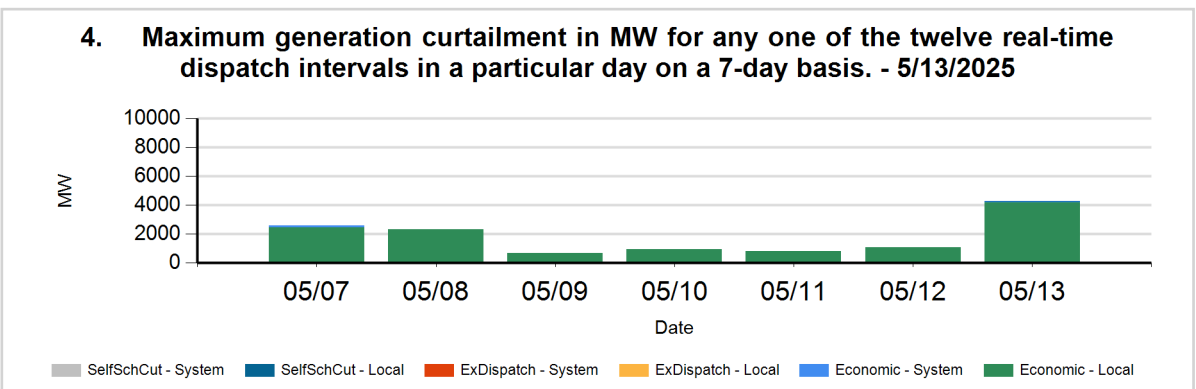
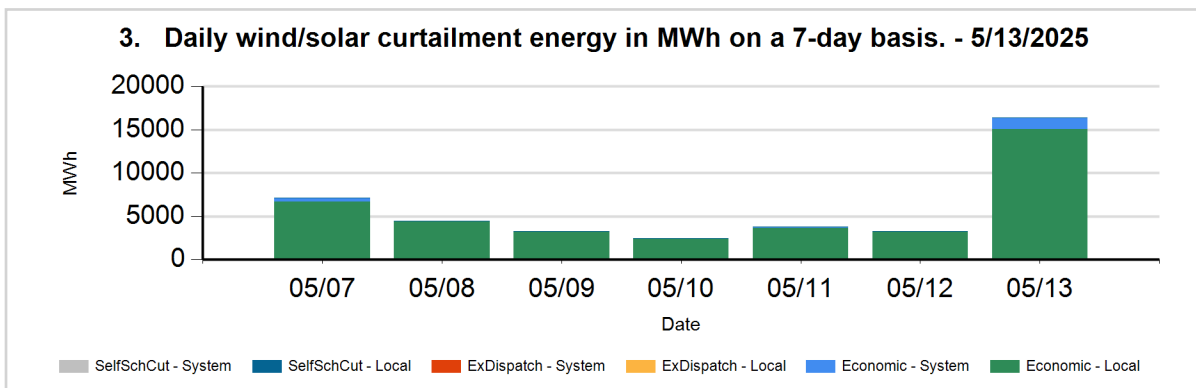
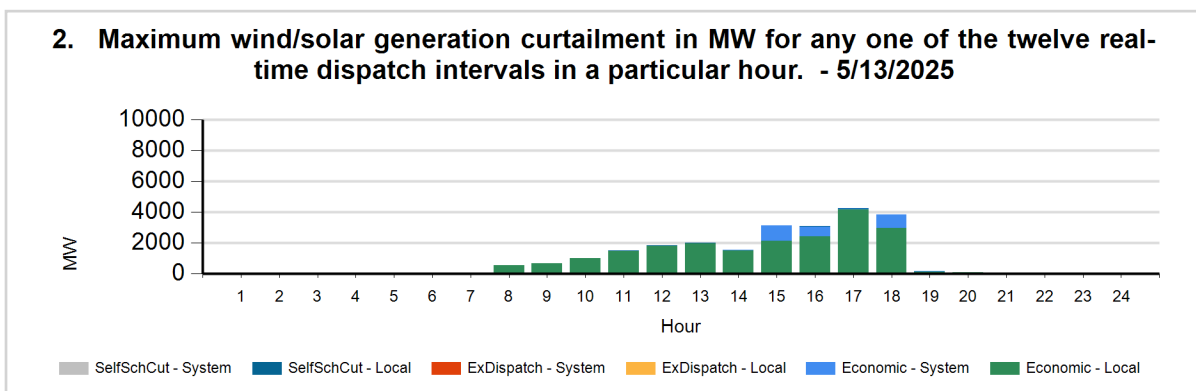
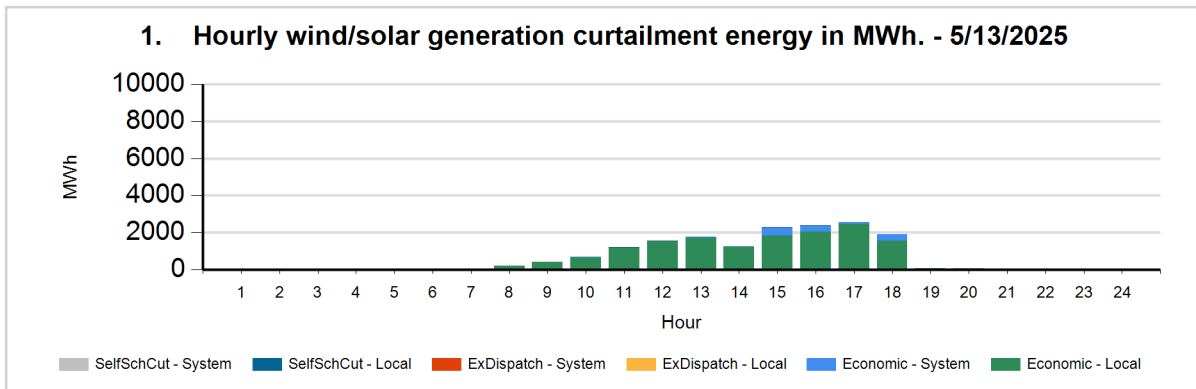
<sup>1</sup>Only wind and solar resources can be reported in this manner because these resources have a forecast. Curtailment is defined as the difference between actual production and the forecast when actual production is less than the forecast.

<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>.

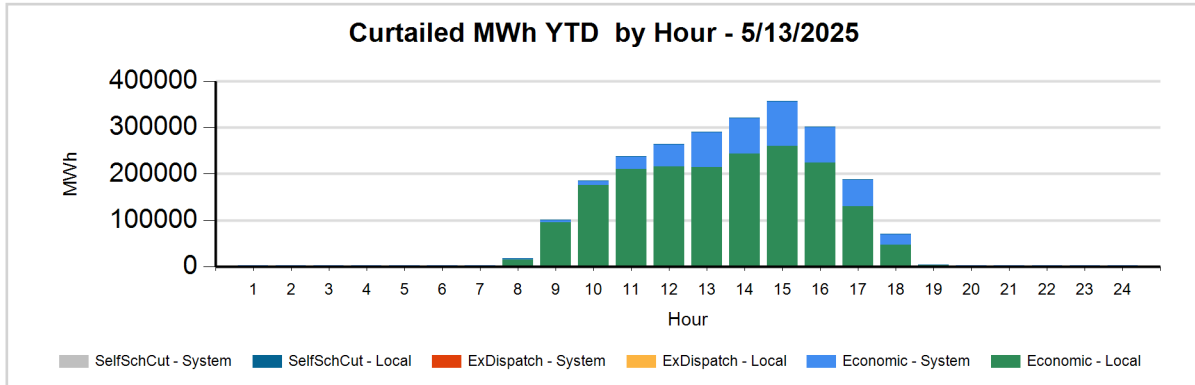
<sup>3</sup>Congestion occurs when available, least-cost energy cannot be delivered to some loads because transmission facilities do not have sufficient capacity to deliver the energy.

<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)

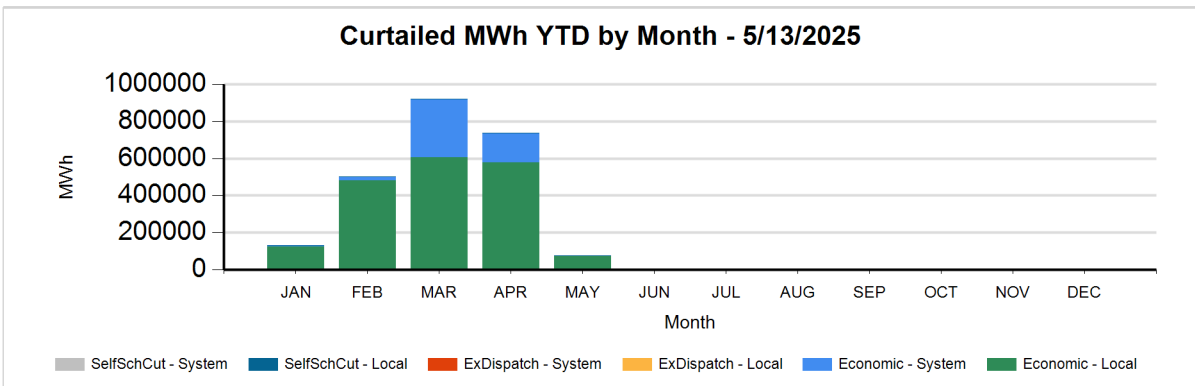
The following charts show the daily and 7-day wind and solar curtailment by category, if any.



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 - 5/13/2025
LocalEconomic	1,861,718
LocalSelfSchCut	852
SystemEconomic	504,792
TOTAL	2,367,362

Data used to produce hourly chart

DATE	HOUR	CURT TYPE	REASON	FUEL TYPE	CURTAILED MWH	CURTAILED MW
05/13	7	Economic	Local	WIND	10	44
05/13	8	Economic	Local	SOLR	128	404
05/13	8	Economic	Local	WIND	77	151
05/13	9	Economic	Local	SOLR	293	484
05/13	9	Economic	Local	WIND	120	173
05/13	10	Economic	Local	SOLR	523	788
05/13	10	Economic	Local	WIND	155	223
05/13	10	Economic	System	SOLR	1	
05/13	10	SelfSchCut	Local	SOLR	0	
05/13	11	Economic	Local	SOLR	895	1171
05/13	11	Economic	Local	WIND	311	316
05/13	11	Economic	System	SOLR	0	
05/13	11	SelfSchCut	Local	SOLR	1	6
05/13	12	Economic	Local	SOLR	1234	1502
05/13	12	Economic	Local	WIND	316	322
05/13	12	SelfSchCut	Local	SOLR	3	8
05/13	13	Economic	Local	SOLR	1373	1706
05/13	13	Economic	Local	WIND	330	278
05/13	13	Economic	System	SOLR	43	9
05/13	13	SelfSchCut	Local	SOLR	4	13
05/13	14	Economic	Local	SOLR	947	1161
05/13	14	Economic	Local	WIND	257	318
05/13	14	Economic	System	SOLR	31	55
05/13	14	Economic	System	WIND	0	
05/13	14	SelfSchCut	Local	SOLR	3	
05/13	15	Economic	Local	SOLR	1440	1631
05/13	15	Economic	Local	WIND	387	486
05/13	15	Economic	System	SOLR	445	999
05/13	15	Economic	System	WIND	6	4
05/13	15	SelfSchCut	Local	SOLR	2	
05/13	16	Economic	Local	SOLR	1503	1651

05/13	16	Economic	Local	WIND	529	771
05/13	16	Economic	System	SOLR	350	642
05/13	16	Economic	System	WIND	11	7
05/13	16	SelfSchCut	Local	SOLR	1	5
05/13	17	Economic	Local	SOLR	1885	3358
05/13	17	Economic	Local	WIND	578	831
05/13	17	Economic	System	SOLR	75	43
05/13	17	Economic	System	WIND	22	32
05/13	17	SelfSchCut	Local	SOLR	0	2
05/13	18	Economic	Local	SOLR	1161	2271
05/13	18	Economic	Local	WIND	382	684
05/13	18	Economic	System	SOLR	318	837
05/13	18	Economic	System	WIND	38	60
05/13	19	Economic	Local	SOLR	31	75
05/13	19	Economic	Local	WIND	42	49
05/13	19	Economic	System	SOLR	3	20
05/13	19	Economic	System	WIND	2	22
05/13	19	SelfSchCut	Local	SOLR	1	
05/13	20	Economic	Local	SOLR	7	38
05/13	20	Economic	Local	WIND	44	46
05/13	20	Economic	System	SOLR	6	
05/13	21	Economic	Local	WIND	6	29
05/13	22	Economic	Local	WIND	17	28
05/13	23	Economic	Local	WIND	23	31
05/13	24	Economic	Local	WIND	11	21

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).

