

## Wind and Solar Curtailment May 18, 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.

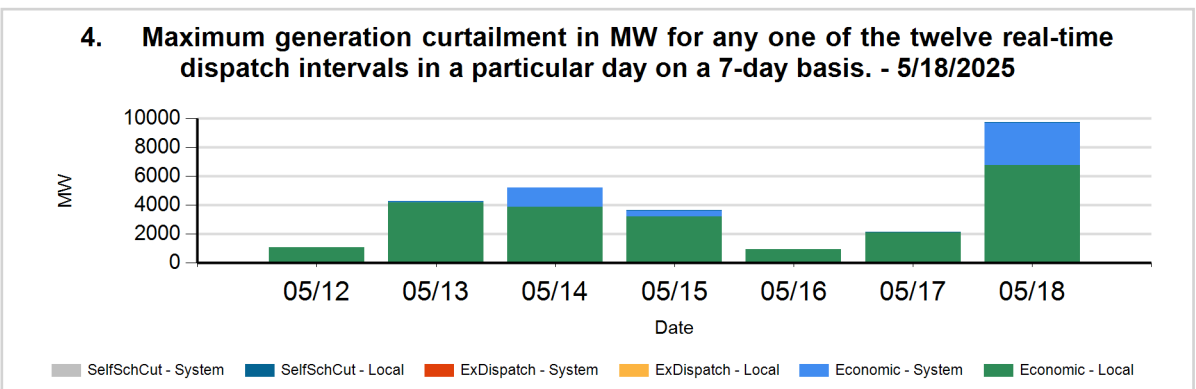
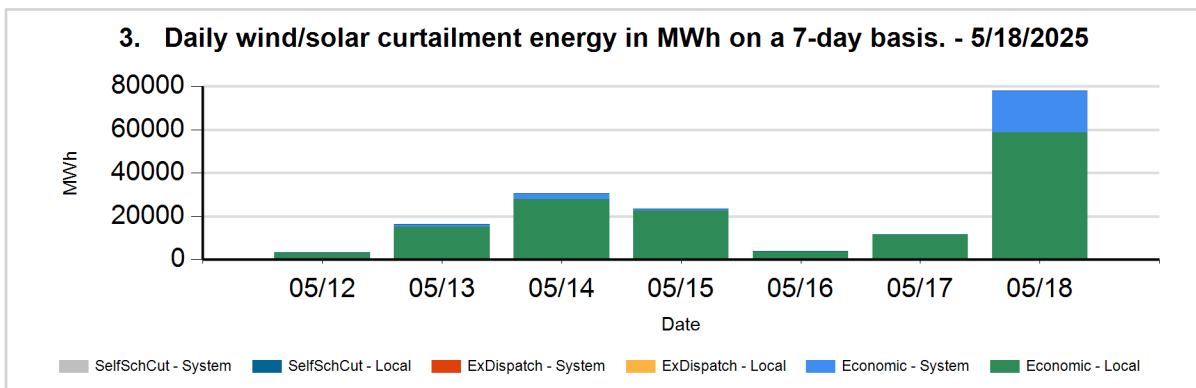
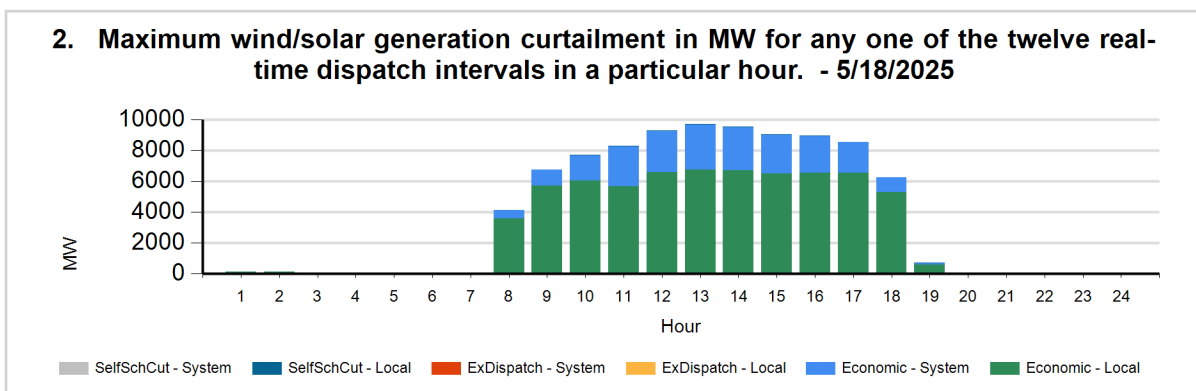
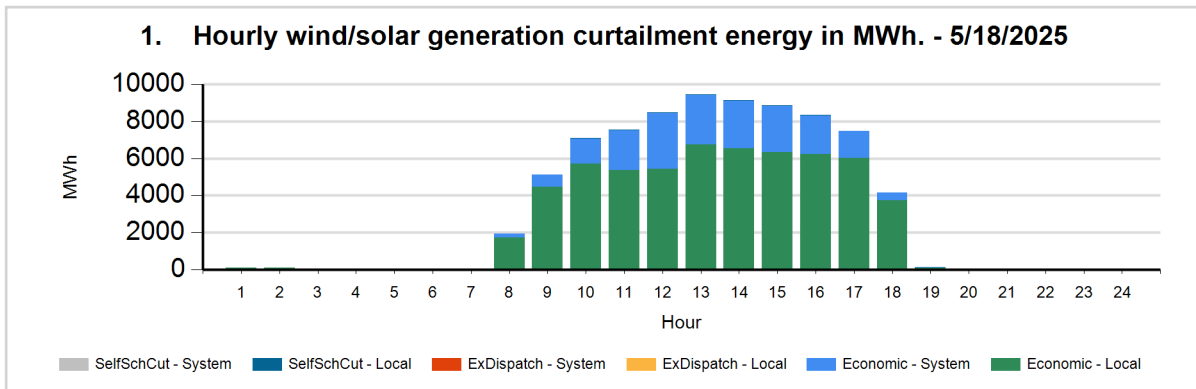
<sup>1</sup>Only wind and solar resources can be reported in this manner because these resources have a forecast. Curtailment is defined as the difference between actual production and the forecast when actual production is less than the forecast.

<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>.

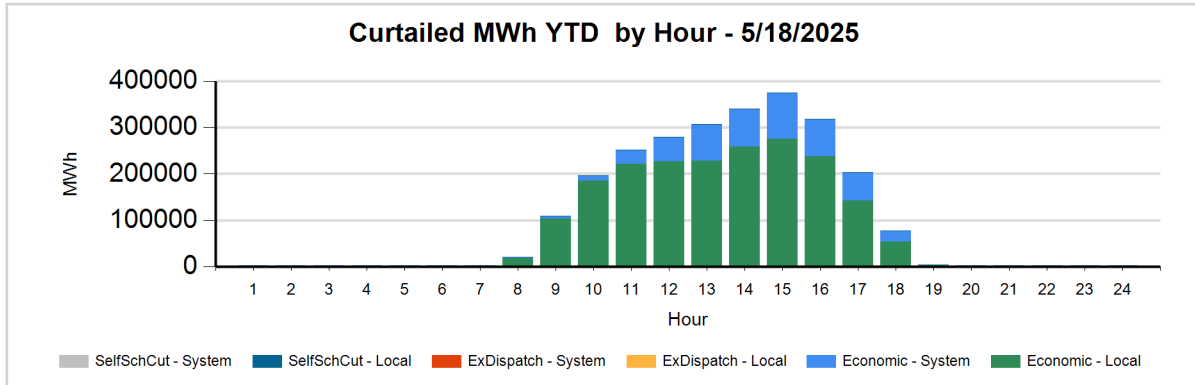
<sup>3</sup>Congestion occurs when available, least-cost energy cannot be delivered to some loads because transmission facilities do not have sufficient capacity to deliver the energy.

<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)

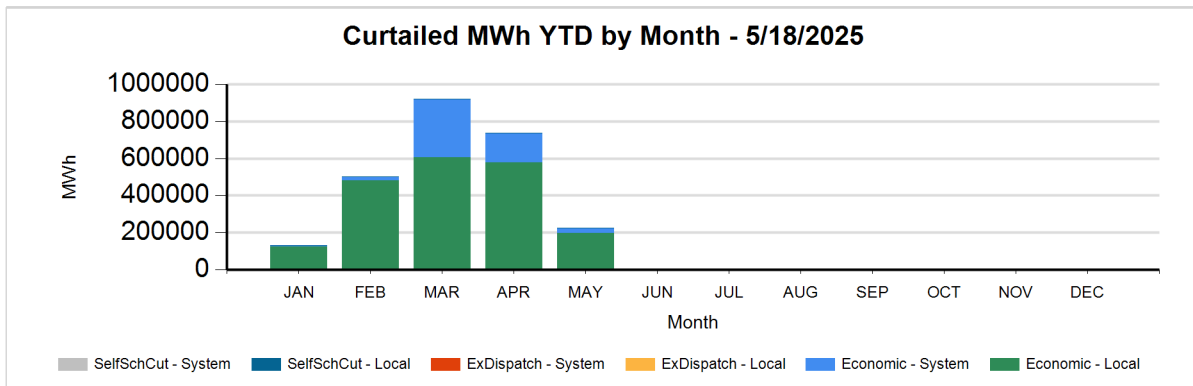
The following charts show the daily and 7-day wind and solar curtailment by category, if any.



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 - 5/18/2025
LocalEconomic	1,985,827
LocalSelfSchCut	1,089
SystemEconomic	527,812
TOTAL	2,514,728

### Data used to produce hourly chart

DATE	HOUR	CURT TYPE	REASON	FUEL TYPE	CURTAILED MWH	CURTAILED MW
05/18	1	Economic	Local	WIND	91	120
05/18	2	Economic	Local	WIND	90	110
05/18	3	Economic	Local	WIND	6	49
05/18	7	Economic	Local	SOLR	1	8
05/18	8	Economic	Local	SOLR	1352	3050
05/18	8	Economic	Local	WIND	372	548
05/18	8	Economic	System	SOLR	186	494
05/18	8	Economic	System	WIND	38	49
05/18	9	Economic	Local	SOLR	3910	5176
05/18	9	Economic	Local	WIND	536	541
05/18	9	Economic	System	SOLR	594	1010
05/18	9	Economic	System	WIND	69	48
05/18	10	Economic	Local	SOLR	5160	5474
05/18	10	Economic	Local	WIND	560	581
05/18	10	Economic	System	SOLR	1298	1592
05/18	10	Economic	System	WIND	64	57
05/18	10	SelfSchCut	Local	SOLR	6	5
05/18	11	Economic	Local	SOLR	4793	5128
05/18	11	Economic	Local	WIND	581	559
05/18	11	Economic	System	SOLR	2052	2479
05/18	11	Economic	System	WIND	104	126
05/18	11	SelfSchCut	Local	SOLR	7	5
05/18	12	Economic	Local	SOLR	4963	6046
05/18	12	Economic	Local	WIND	470	525
05/18	12	Economic	System	SOLR	2881	2603
05/18	12	Economic	System	WIND	146	114
05/18	12	SelfSchCut	Local	SOLR	20	20
05/18	13	Economic	Local	SOLR	6283	6288
05/18	13	Economic	Local	WIND	457	483
05/18	13	Economic	System	SOLR	2577	2788
05/18	13	Economic	System	WIND	124	142

05/18	13	SelfSchCut	Local	SOLR	7	8
05/18	14	Economic	Local	SOLR	6019	6241
05/18	14	Economic	Local	WIND	512	471
05/18	14	Economic	System	SOLR	2495	2743
05/18	14	Economic	System	WIND	108	90
05/18	14	SelfSchCut	Local	SOLR	12	14
05/18	15	Economic	Local	SOLR	5750	5908
05/18	15	Economic	Local	WIND	575	591
05/18	15	Economic	System	SOLR	2400	2440
05/18	15	Economic	System	WIND	113	113
05/18	15	SelfSchCut	Local	SOLR	12	7
05/18	16	Economic	Local	SOLR	5633	5932
05/18	16	Economic	Local	WIND	586	610
05/18	16	Economic	System	SOLR	1949	2279
05/18	16	Economic	System	WIND	167	137
05/18	16	SelfSchCut	Local	SOLR	4	5
05/18	17	Economic	Local	SOLR	5389	5918
05/18	17	Economic	Local	WIND	621	642
05/18	17	Economic	System	SOLR	1288	1722
05/18	17	Economic	System	WIND	185	274
05/18	18	Economic	Local	SOLR	3198	4638
05/18	18	Economic	Local	WIND	524	658
05/18	18	Economic	System	SOLR	367	772
05/18	18	Economic	System	WIND	57	183
05/18	19	Economic	Local	SOLR	97	474
05/18	19	Economic	Local	WIND	11	108
05/18	19	Economic	System	SOLR	17	101
05/18	19	SelfSchCut	Local	SOLR	0	3
05/18	20	Economic	Local	SOLR	6	38
05/18	20	Economic	System	SOLR	7	

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).

