

## Wind and Solar Curtailment April 05, 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.

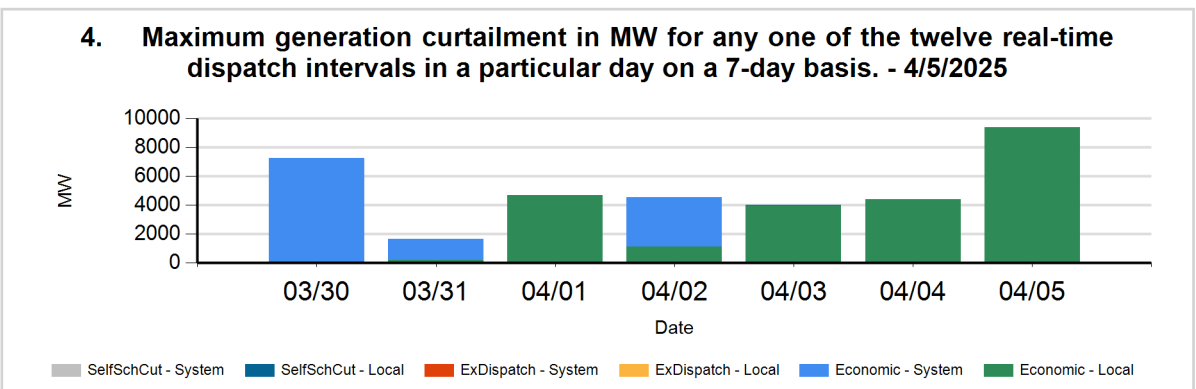
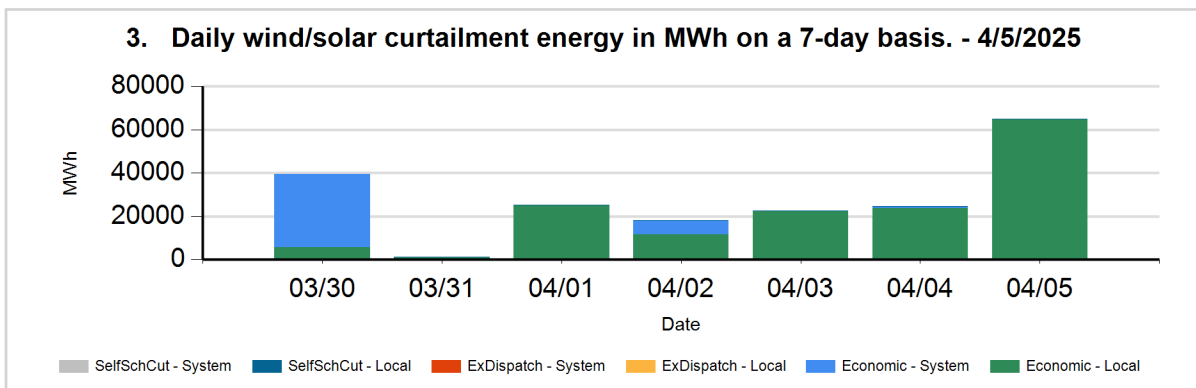
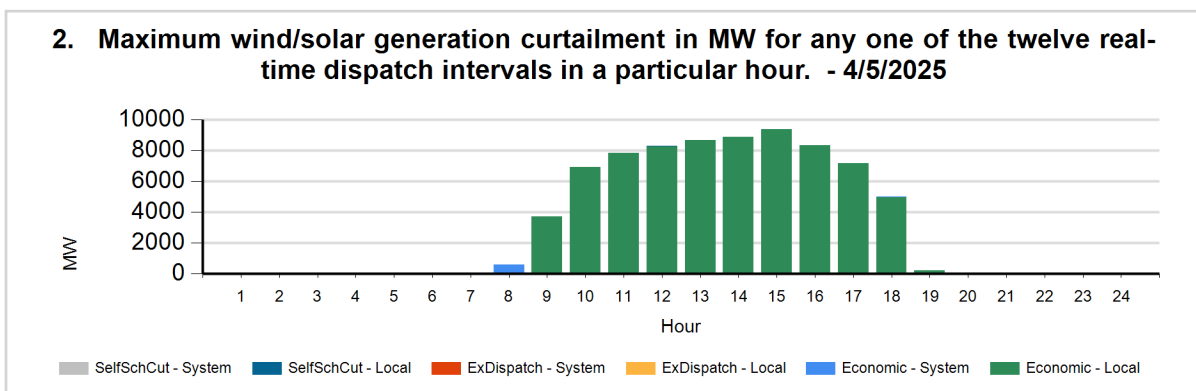
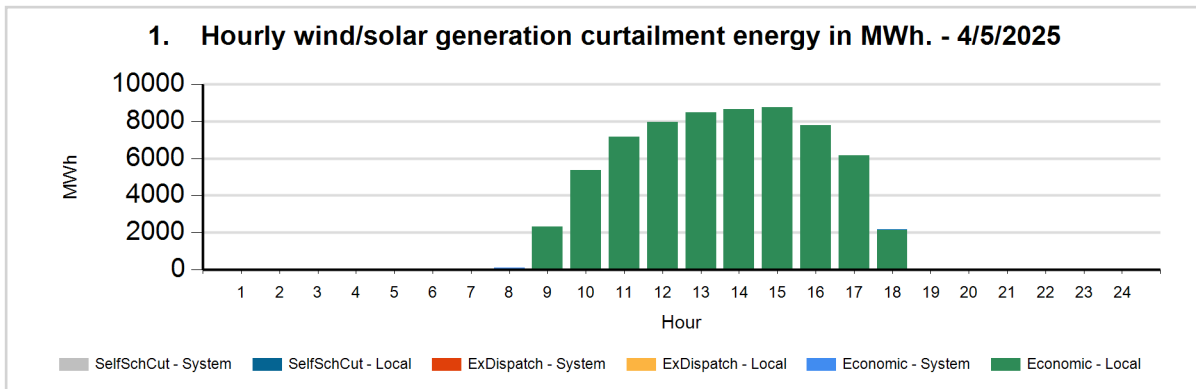
<sup>1</sup>Only wind and solar resources can be reported in this manner because these resources have a forecast. Curtailment is defined as the difference between actual production and the forecast when actual production is less than the forecast.

<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>.

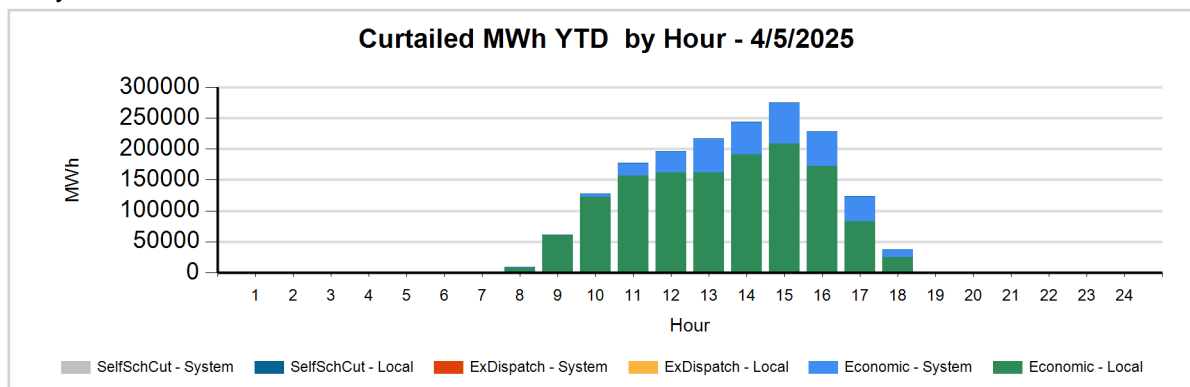
<sup>3</sup>Congestion occurs when available, least-cost energy cannot be delivered to some loads because transmission facilities do not have sufficient capacity to deliver the energy.

<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)

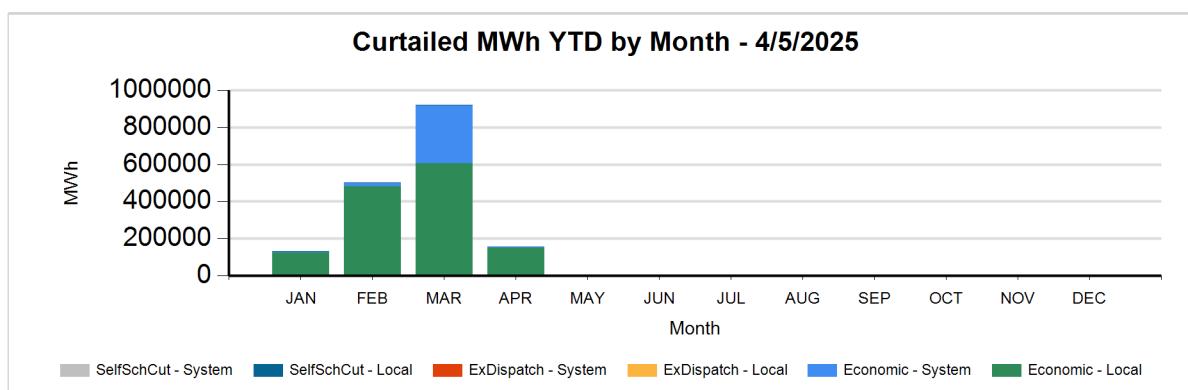
The following charts show the daily and 7-day wind and solar curtailment by category, if any.



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 - 4/5/2025
LocalEconomic	1,360,234
LocalSelfSchCut	233
SystemEconomic	346,915
TOTAL	1,707,382

### Data used to produce hourly chart

DATE	HOUR	CURT TYPE	REASON	FUEL TYPE	CURTAILED MWH	CURTAILED MW
04/05	8	Economic	Local	SOLR	1	
04/05	8	Economic	System	SOLR	80	538
04/05	8	Economic	System	WIND	3	23
04/05	9	Economic	Local	SOLR	2293	3688
04/05	9	Economic	Local	WIND	17	40
04/05	10	Economic	Local	SOLR	5204	6615
04/05	10	Economic	Local	WIND	172	310
04/05	11	Economic	Local	SOLR	6785	7477
04/05	11	Economic	Local	WIND	376	372
04/05	12	Economic	Local	SOLR	7583	7846
04/05	12	Economic	Local	WIND	378	455
04/05	12	SelfSchCut	Local	SOLR	0	1
04/05	13	Economic	Local	SOLR	8129	8247
04/05	13	Economic	Local	WIND	349	433
04/05	14	Economic	Local	SOLR	8357	8686
04/05	14	Economic	Local	WIND	299	182
04/05	14	SelfSchCut	Local	SOLR	0	
04/05	15	Economic	Local	SOLR	8487	9091
04/05	15	Economic	Local	WIND	265	303
04/05	16	Economic	Local	SOLR	7538	8091
04/05	16	Economic	Local	WIND	245	254
04/05	17	Economic	Local	SOLR	5925	6917
04/05	17	Economic	Local	WIND	230	264
04/05	18	Economic	Local	SOLR	2064	4773
04/05	18	Economic	Local	WIND	92	210
04/05	18	Economic	System	SOLR	28	
04/05	18	Economic	System	WIND	7	4
04/05	19	Economic	Local	SOLR	35	197

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).

