

## Wind and Solar Curtailment March 23, 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.

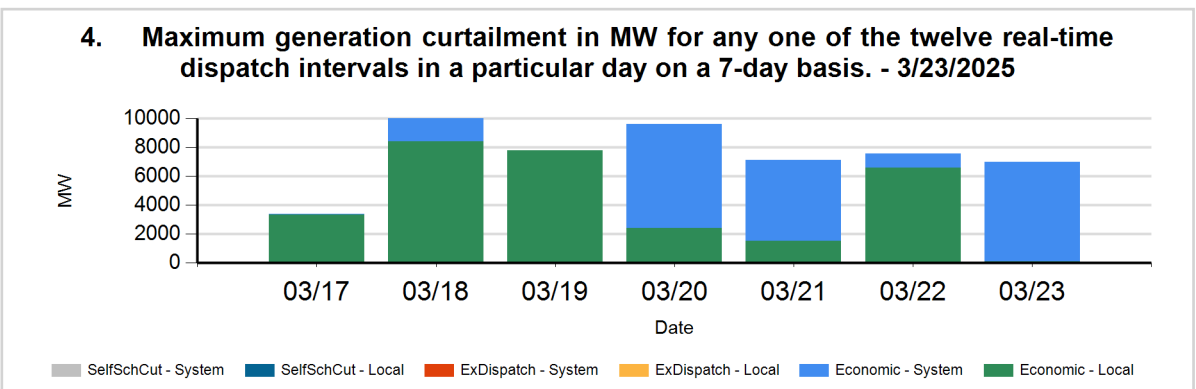
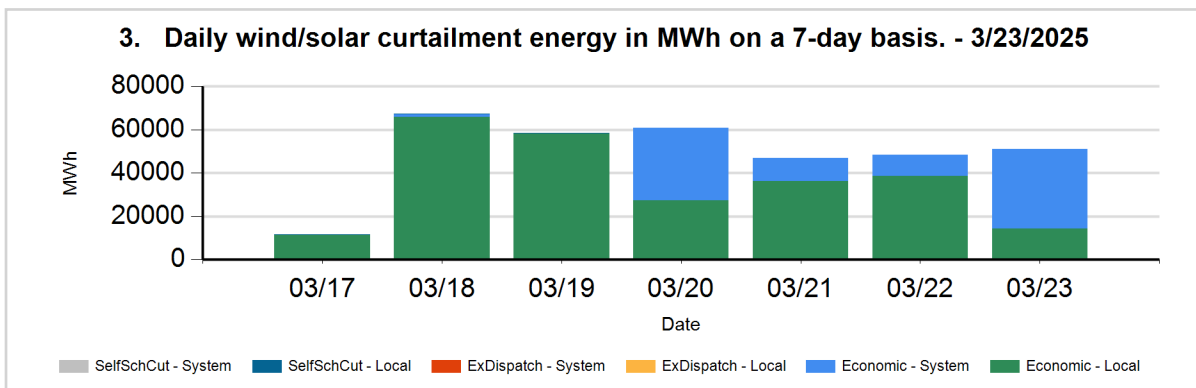
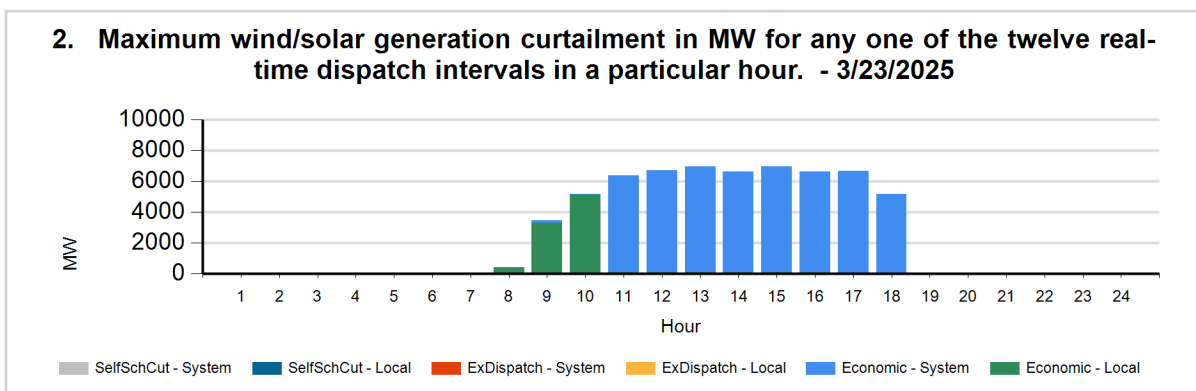
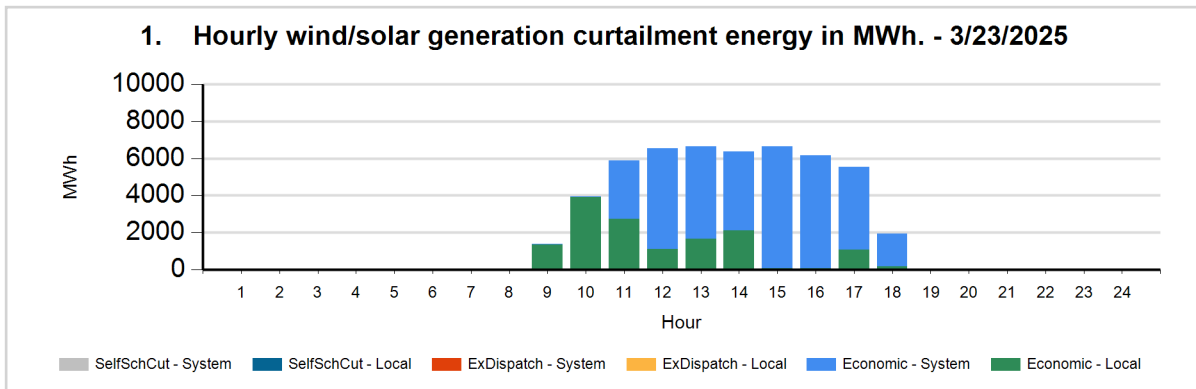
<sup>1</sup>Only wind and solar resources can be reported in this manner because these resources have a forecast. Curtailment is defined as the difference between actual production and the forecast when actual production is less than the forecast.

<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>.

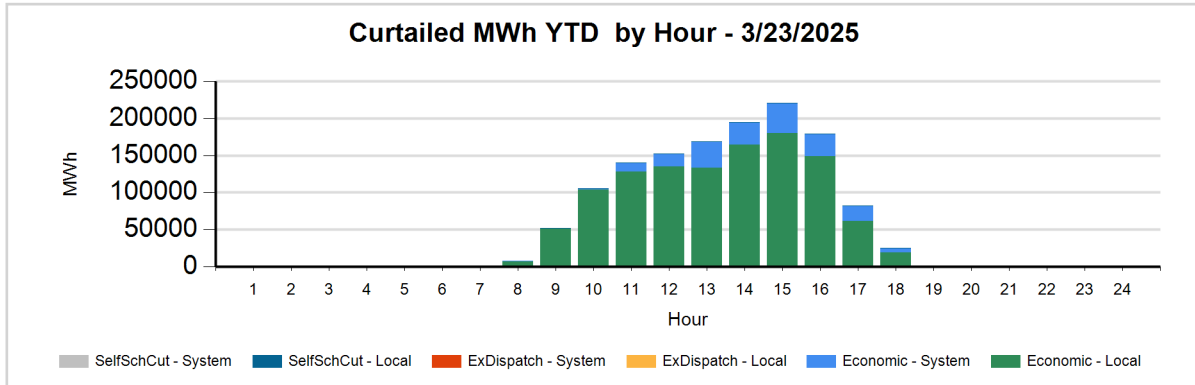
<sup>3</sup>Congestion occurs when available, least-cost energy cannot be delivered to some loads because transmission facilities do not have sufficient capacity to deliver the energy.

<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)

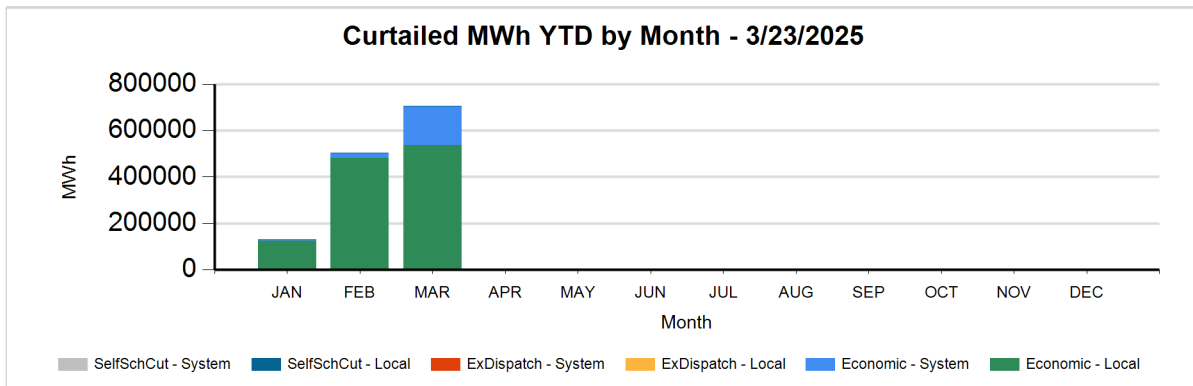
The following charts show the daily and 7-day wind and solar curtailment by category, if any.



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 - 3/23/2025
LocalEconomic	1,142,042
LocalSelfSchCut	145
SystemEconomic	195,526
TOTAL	1,337,713

### Data used to produce hourly chart

DATE	HOUR	CURT TYPE	REASON	FUEL TYPE	CURTAILED MWH	CURTAILED MW
03/23	8	Economic	Local	SOLR	35	364
03/23	8	Economic	System	SOLR	5	63
03/23	9	Economic	Local	SOLR	1341	3278
03/23	9	Economic	Local	WIND	6	21
03/23	9	Economic	System	SOLR	12	128
03/23	9	Economic	System	WIND	5	16
03/23	10	Economic	Local	SOLR	3911	5133
03/23	10	Economic	Local	WIND	17	48
03/23	10	Economic	System	SOLR	2	7
03/23	10	Economic	System	WIND	8	
03/23	11	Economic	Local	SOLR	2710	81
03/23	11	Economic	Local	WIND	27	
03/23	11	Economic	System	SOLR	3076	6206
03/23	11	Economic	System	WIND	54	102
03/23	12	Economic	Local	SOLR	1102	78
03/23	12	Economic	Local	WIND	18	
03/23	12	Economic	System	SOLR	5313	6498
03/23	12	Economic	System	WIND	104	124
03/23	13	Economic	Local	SOLR	1619	81
03/23	13	Economic	Local	WIND	32	
03/23	13	Economic	System	SOLR	4878	6717
03/23	13	Economic	System	WIND	120	154
03/23	14	Economic	Local	SOLR	2076	76
03/23	14	Economic	Local	WIND	48	
03/23	14	Economic	System	SOLR	4139	6388
03/23	14	Economic	System	WIND	112	148
03/23	15	Economic	Local	SOLR	79	79
03/23	15	Economic	System	SOLR	6411	6707
03/23	15	Economic	System	WIND	158	164
03/23	16	Economic	Local	SOLR	80	78
03/23	16	Economic	System	SOLR	5950	6441

03/23	16	Economic	System	WIND	132	100
03/23	17	Economic	Local	SOLR	1039	
03/23	17	Economic	Local	WIND	20	
03/23	17	Economic	System	SOLR	4405	6567
03/23	17	Economic	System	WIND	80	126
03/23	18	Economic	Local	SOLR	177	
03/23	18	Economic	System	SOLR	1746	5109
03/23	18	Economic	System	WIND	26	54

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).