

Wind and Solar Curtailment March 02, 2025

This report is produced daily to provide a detailed accounting of the wind and solar renewable generation that was curtailed and the reasons why¹. This report should be read in the context of the Renewables Watch report for a more complete understanding of both renewable curtailment and generation².

Wind and solar curtailments are grouped into the following categories:

1. Economic - Local: Market dispatch of generators with economic bids to mitigate local congestion³.
2. Economic - System: Market dispatch of generators with economic bids to mitigate system-wide oversupply⁴.
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.

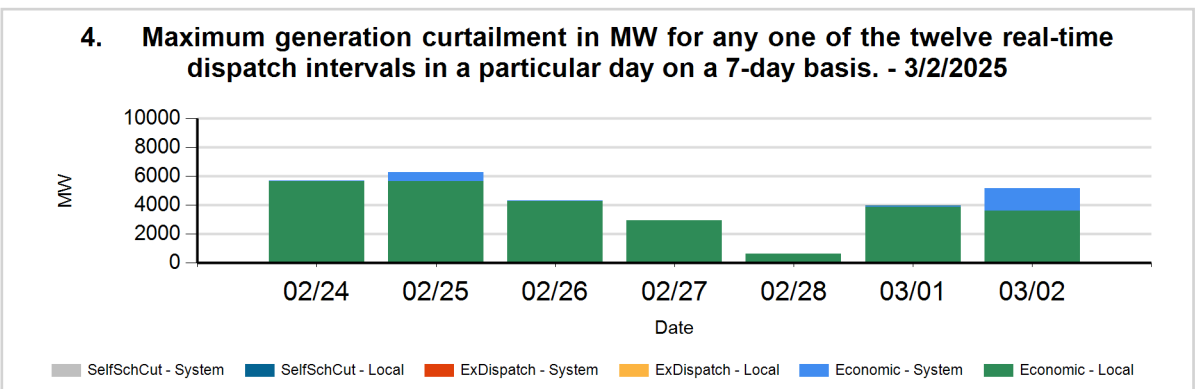
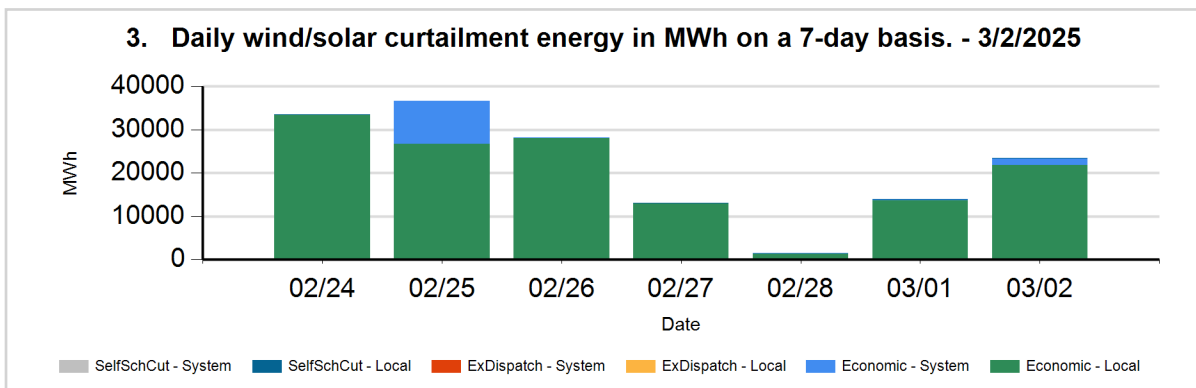
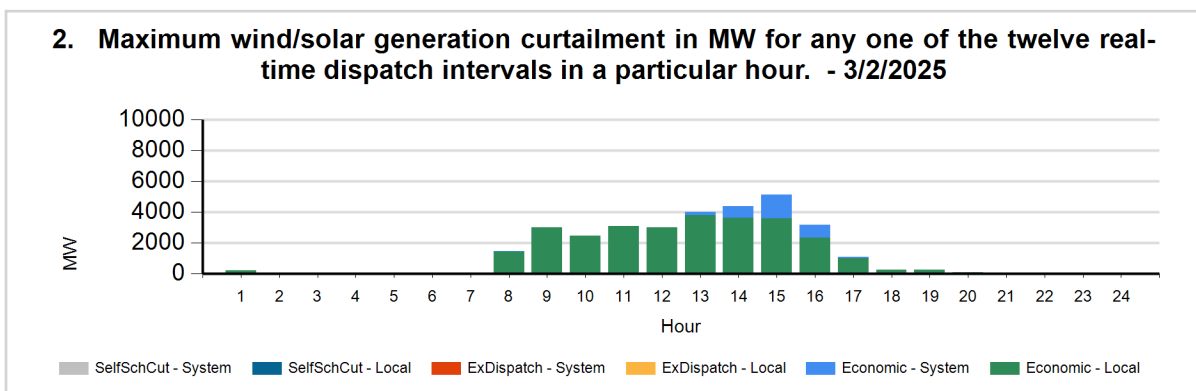
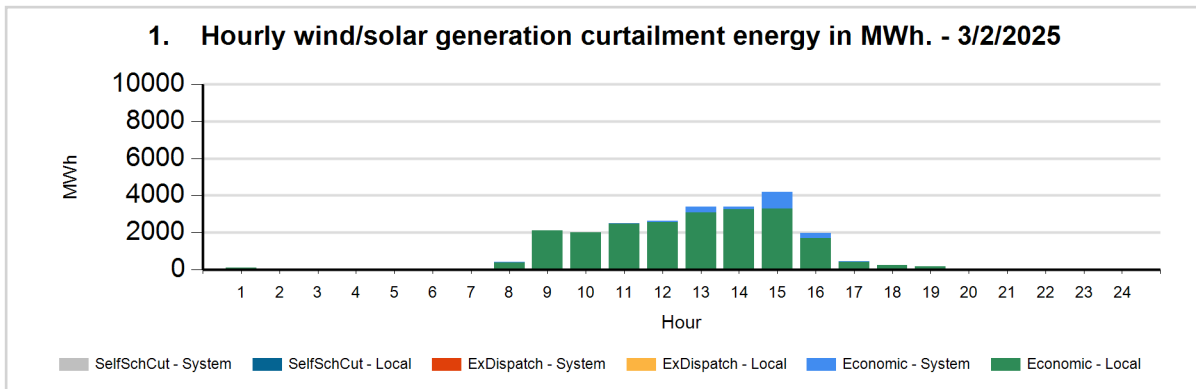
¹Only wind and solar resources can be reported in this manner because these resources have a forecast. Curtailment is defined as the difference between actual production and the forecast when actual production is less than the forecast.

²The Renewables Watch report provides daily actual renewable production within the ISO grid. It is available at: <http://www.caiso.com/green/renewableswatch.html>.

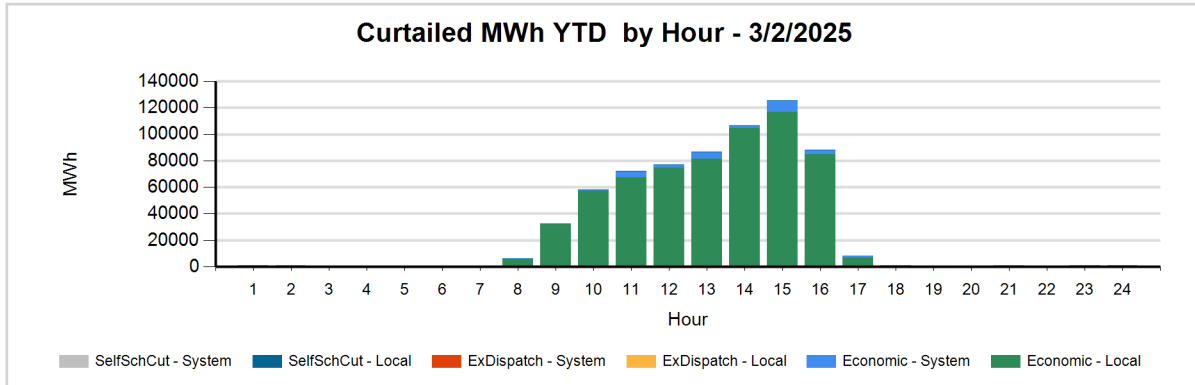
³Congestion occurs when available, least-cost energy cannot be delivered to some loads because transmission facilities do not have sufficient capacity to deliver the energy.

⁴For more information on oversupply conditions, please see: http://www.caiso.com/Documents/FlexibleResourcesHelpRenewables_FastFacts.pdf

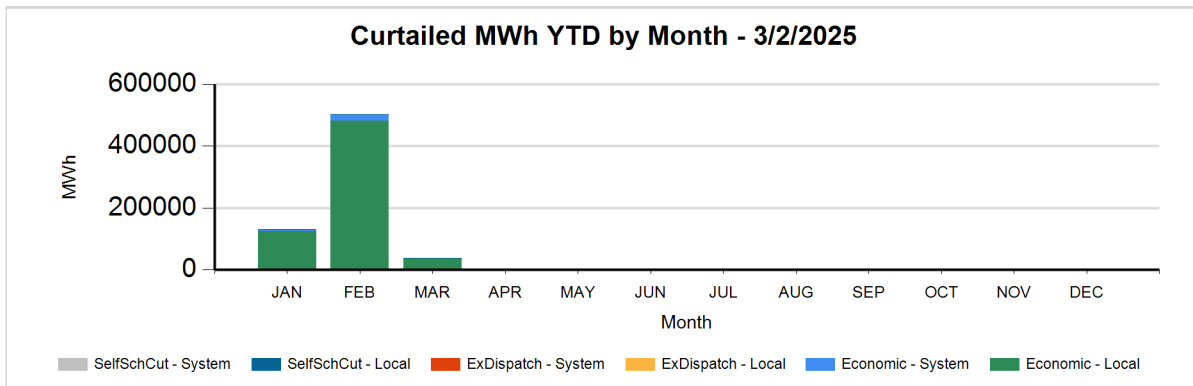
The following charts show the daily and 7-day wind and solar curtailment by category, if any.



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 - 3/2/2025
LocalEconomic	641,481
LocalSelfSchCut	48
SystemEconomic	28,699
TOTAL	670,228

Data used to produce hourly chart

DATE	HOUR	CURT TYPE	REASON	FUEL TYPE	CURTAILED MWH	CURTAILED MW
03/02	1	Economic	Local	WIND	84	218
03/02	2	Economic	Local	WIND	3	23
03/02	8	Economic	Local	SOLR	412	1454
03/02	8	Economic	System	SOLR	0	
03/02	8	Economic	System	WIND	9	14
03/02	9	Economic	Local	SOLR	1989	2797
03/02	9	Economic	Local	WIND	122	185
03/02	10	Economic	Local	SOLR	1888	2337
03/02	10	Economic	Local	WIND	103	109
03/02	11	Economic	Local	SOLR	2211	2741
03/02	11	Economic	Local	WIND	272	341
03/02	11	SelfSchCut	Local	SOLR	1	
03/02	12	Economic	Local	SOLR	2192	2623
03/02	12	Economic	Local	WIND	375	381
03/02	12	Economic	System	SOLR	44	
03/02	13	Economic	Local	SOLR	2378	2904
03/02	13	Economic	Local	WIND	704	873
03/02	13	Economic	System	SOLR	264	182
03/02	13	Economic	System	WIND	28	28
03/02	14	Economic	Local	SOLR	2575	3021
03/02	14	Economic	Local	WIND	692	592
03/02	14	Economic	System	SOLR	109	681
03/02	14	Economic	System	WIND	13	66
03/02	15	Economic	Local	SOLR	2537	2515
03/02	15	Economic	Local	WIND	749	1085
03/02	15	Economic	System	SOLR	820	1488
03/02	15	Economic	System	WIND	67	44
03/02	16	Economic	Local	SOLR	1453	2090
03/02	16	Economic	Local	WIND	248	241
03/02	16	Economic	System	SOLR	165	652
03/02	16	Economic	System	WIND	91	163

03/02	17	Economic	Local	SOLR	148	729
03/02	17	Economic	Local	WIND	248	267
03/02	17	Economic	System	SOLR	42	103
03/02	17	Economic	System	WIND	7	
03/02	18	Economic	Local	WIND	223	230
03/02	18	Economic	System	SOLR	0	
03/02	19	Economic	Local	WIND	160	229
03/02	20	Economic	Local	WIND	26	77

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.