

Wind and Solar Curtailment March 26, 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.

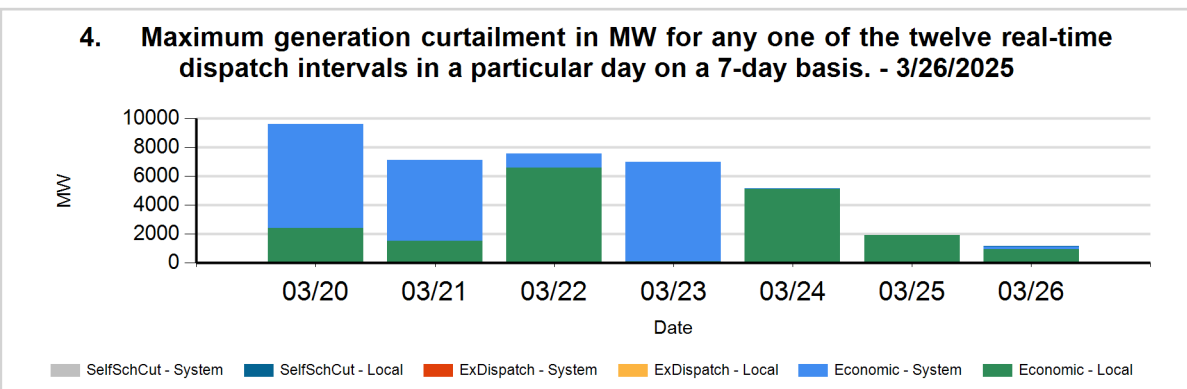
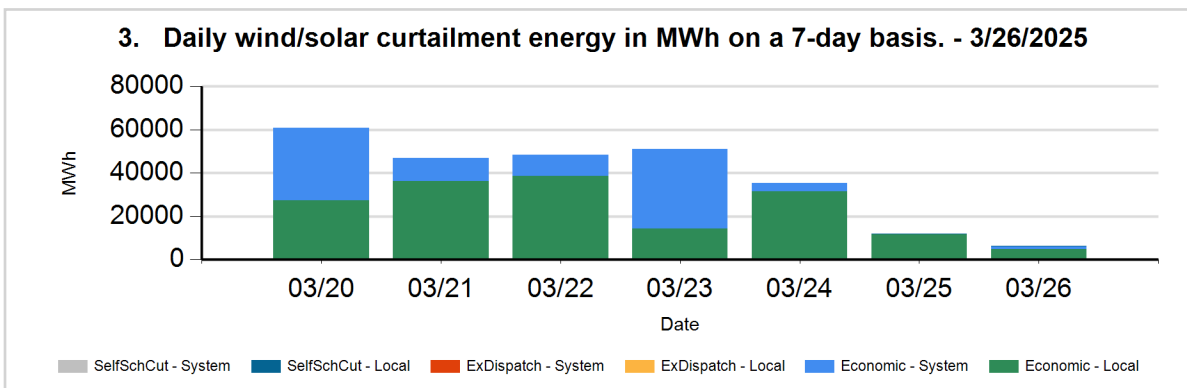
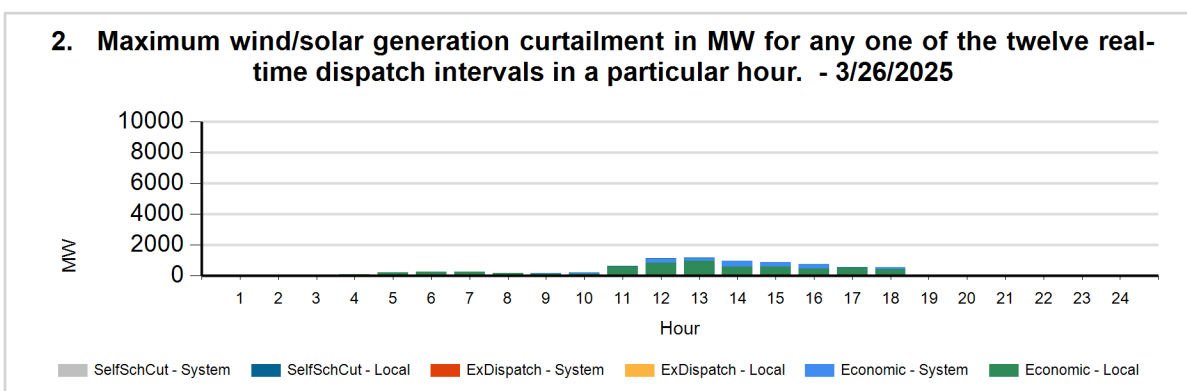
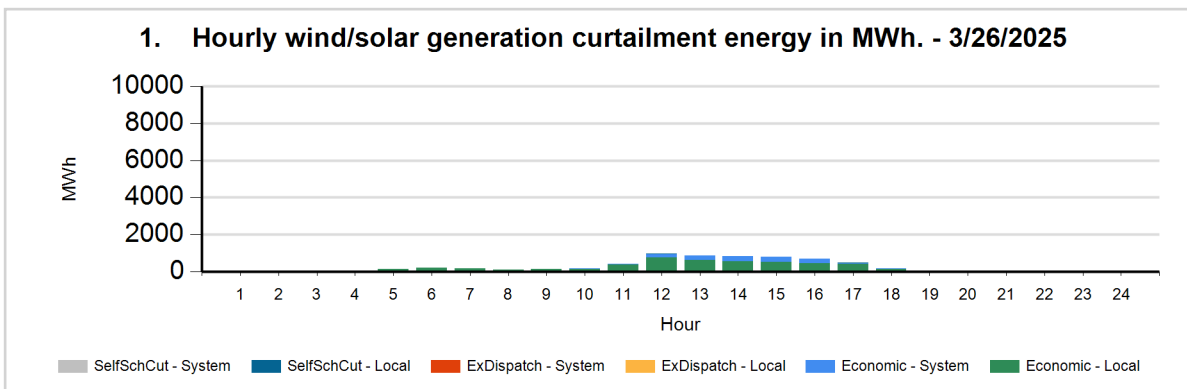
¹Only wind and solar resources can be reported in this manner because these resources have a forecast. Curtailment is defined as the difference between actual production and the forecast when actual production is less than the forecast.

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

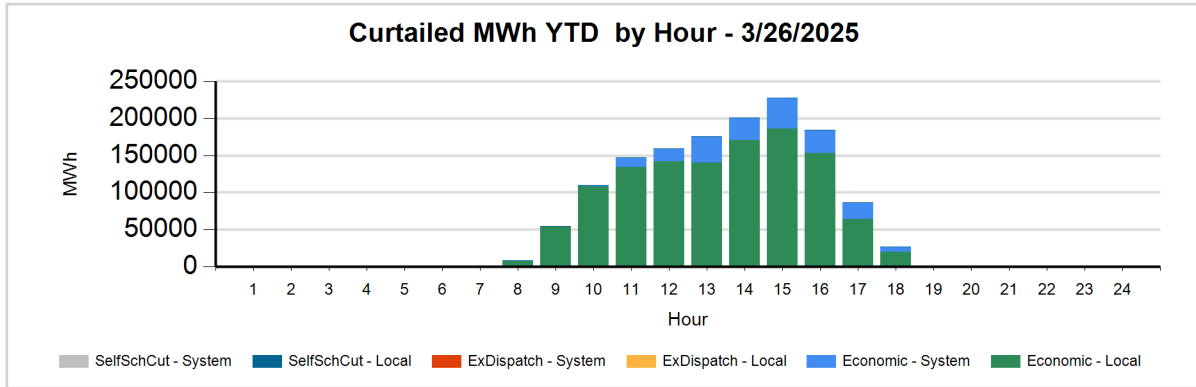
³Congestion occurs when available, least-cost energy cannot be delivered to some loads because transmission facilities do not have sufficient capacity to deliver the energy.

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

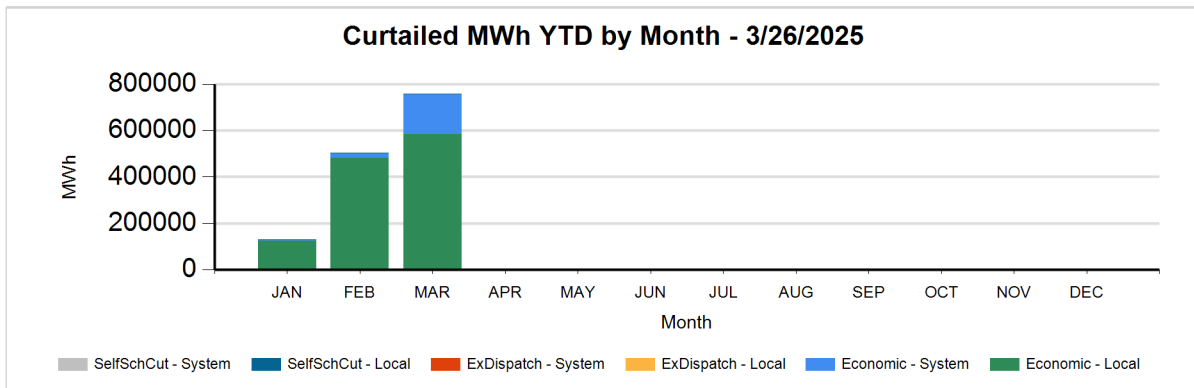
The following charts show the daily and 7-day wind and solar curtailment by category, if any.



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 - 3/26/2025
LocalEconomic	1,189,843
LocalSelfSchCut	153
SystemEconomic	200,819
TOTAL	1,390,814

Data used to produce hourly chart

DATE	HOUR	CURT TYPE	REASON	FUEL TYPE	CURTAILED MWH	CURTAILED MW
03/26	4	Economic	Local	WIND	23	63
03/26	5	Economic	Local	WIND	146	189
03/26	6	Economic	Local	WIND	210	245
03/26	7	Economic	Local	WIND	164	246
03/26	8	Economic	Local	WIND	114	153
03/26	9	Economic	Local	SOLR	10	28
03/26	9	Economic	Local	WIND	140	146
03/26	9	Economic	System	SOLR	0	4
03/26	10	Economic	Local	SOLR	51	59
03/26	10	Economic	Local	WIND	85	76
03/26	10	Economic	System	SOLR	20	45
03/26	10	Economic	System	WIND	6	22
03/26	11	Economic	Local	SOLR	334	531
03/26	11	Economic	Local	WIND	51	107
03/26	11	Economic	System	SOLR	10	
03/26	11	Economic	System	WIND	32	
03/26	11	SelfSchCut	Local	SOLR	0	2
03/26	12	Economic	Local	SOLR	650	791
03/26	12	Economic	Local	WIND	96	55
03/26	12	Economic	System	SOLR	214	262
03/26	12	SelfSchCut	Local	SOLR	2	4
03/26	13	Economic	Local	SOLR	321	590
03/26	13	Economic	Local	WIND	300	346
03/26	13	Economic	System	SOLR	256	222
03/26	13	SelfSchCut	Local	SOLR	0	2
03/26	14	Economic	Local	SOLR	238	291
03/26	14	Economic	Local	WIND	315	306
03/26	14	Economic	System	SOLR	266	348
03/26	14	Economic	System	WIND	1	11
03/26	15	Economic	Local	SOLR	276	289
03/26	15	Economic	Local	WIND	255	304

03/26	15	Economic	System	SOLR	267	266
03/26	16	Economic	Local	SOLR	334	353
03/26	16	Economic	Local	WIND	95	97
03/26	16	Economic	System	SOLR	248	270
03/26	16	Economic	System	WIND	28	39
03/26	17	Economic	Local	SOLR	378	449
03/26	17	Economic	Local	WIND	36	34
03/26	17	Economic	System	SOLR	12	21
03/26	17	Economic	System	WIND	42	45
03/26	17	SelfSchCut	Local	SOLR	1	6
03/26	18	Economic	Local	SOLR	115	398
03/26	18	Economic	Local	WIND	14	21
03/26	18	Economic	System	SOLR	26	115
03/26	19	Economic	Local	SOLR	1	13
03/26	19	Economic	System	SOLR	0	

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.