

Wind and Solar Curtailment May 27, 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.

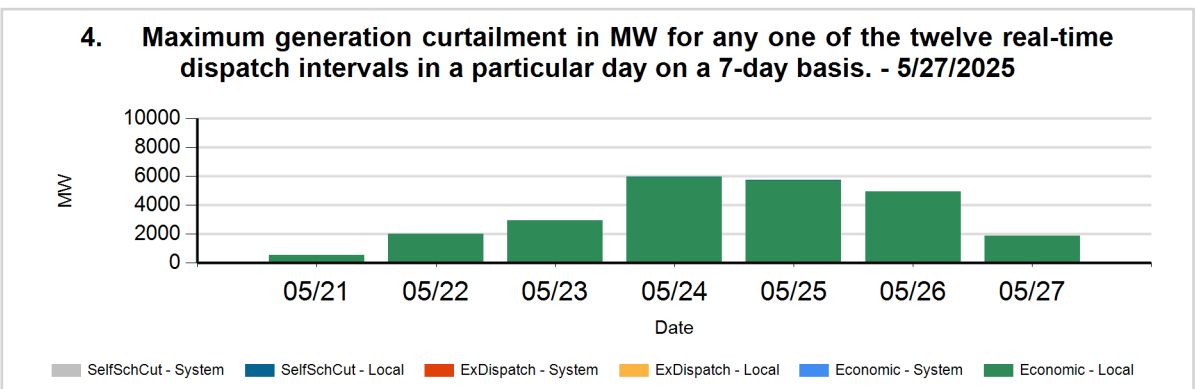
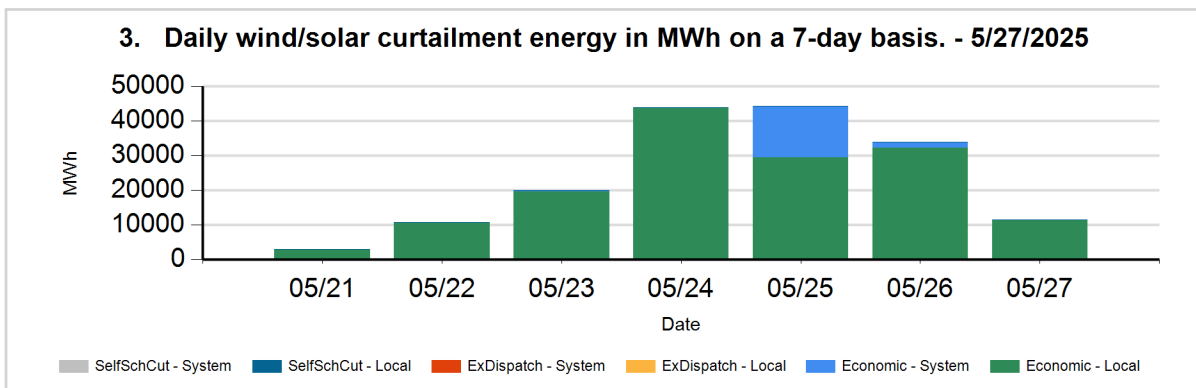
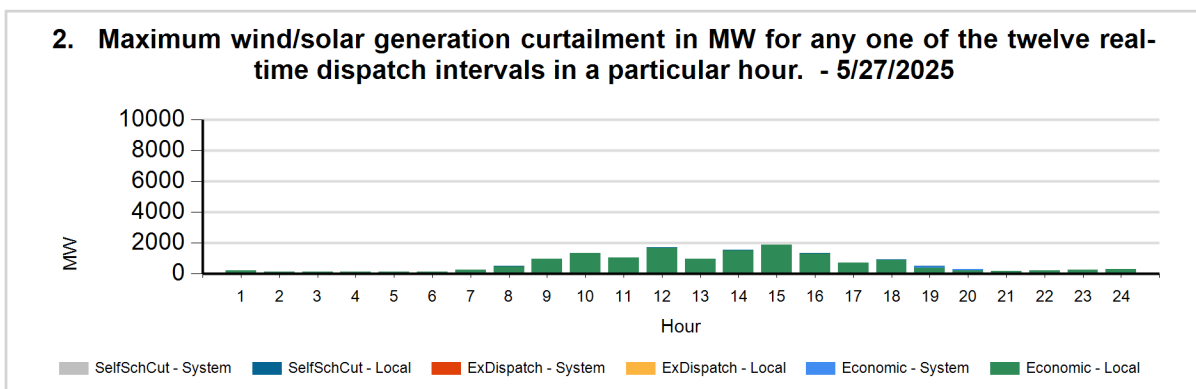
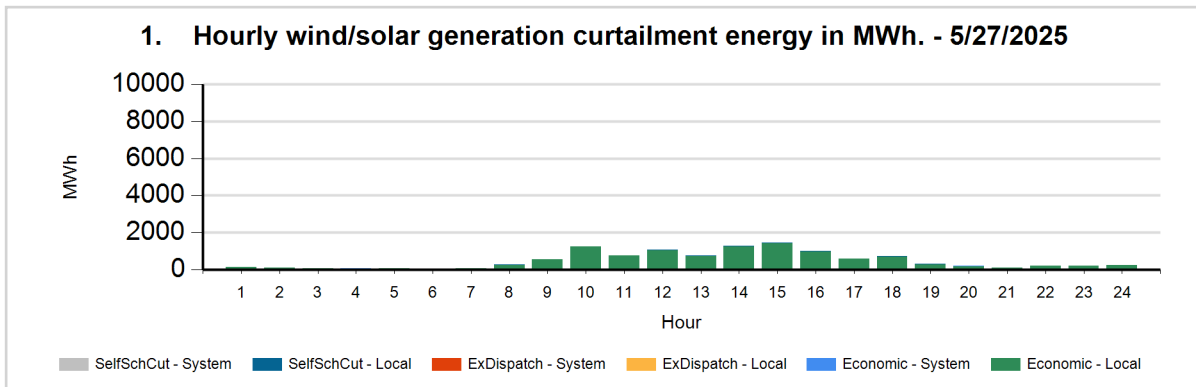
¹Only wind and solar resources can be reported in this manner because these resources have a forecast. Curtailment is defined as the difference between actual production and the forecast when actual production is less than the forecast.

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

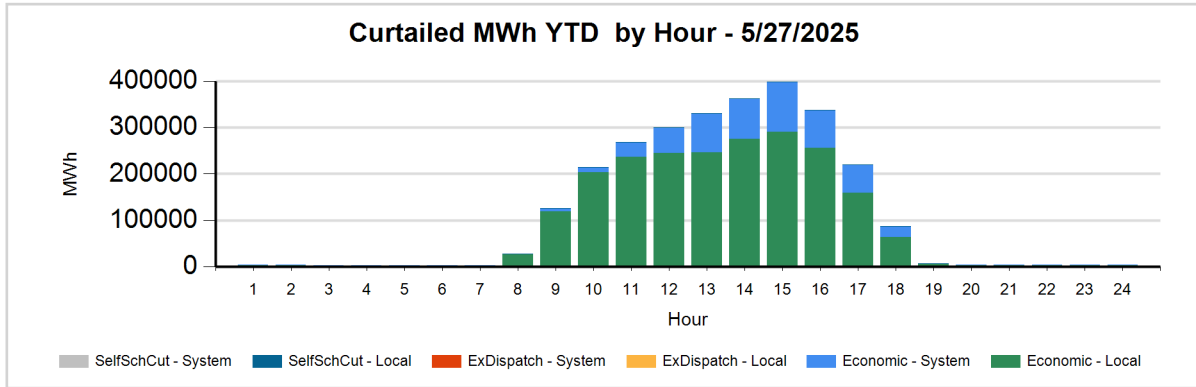
³Congestion occurs when available, least-cost energy cannot be delivered to some loads because transmission facilities do not have sufficient capacity to deliver the energy.

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

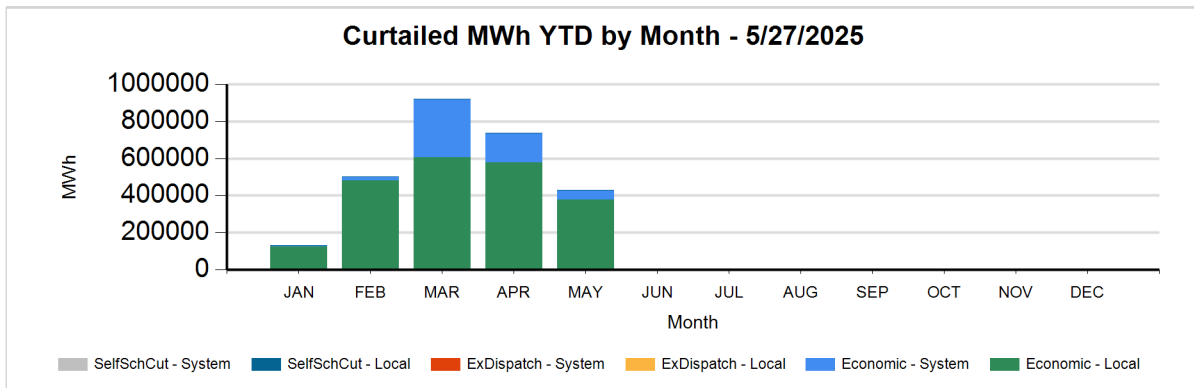
The following charts show the daily and 7-day wind and solar curtailment by category, if any.



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 - 5/27/2025
LocalEconomic	2,166,115
LocalSelfSchCut	1,233
SystemEconomic	550,776
TOTAL	2,718,124

Data used to produce hourly chart

DATE	HOUR	CURT TYPE	REASON	FUEL TYPE	CURTAILED MWH	CURTAILED MW
05/27	1	Economic	Local	WIND	125	202
05/27	2	Economic	Local	WIND	86	102
05/27	3	Economic	Local	WIND	72	114
05/27	4	Economic	Local	WIND	62	132
05/27	4	Economic	System	WIND	1	
05/27	5	Economic	Local	WIND	54	123
05/27	6	Economic	Local	WIND	37	122
05/27	7	Economic	Local	SOLR	34	190
05/27	7	Economic	Local	WIND	19	61
05/27	8	Economic	Local	SOLR	261	496
05/27	8	Economic	Local	WIND	3	
05/27	8	SelfSchCut	Local	SOLR	3	7
05/27	9	Economic	Local	SOLR	563	963
05/27	9	Economic	Local	WIND	1	8
05/27	10	Economic	Local	SOLR	1224	1332
05/27	10	Economic	Local	WIND	4	8
05/27	11	Economic	Local	SOLR	746	1016
05/27	11	Economic	Local	WIND	11	3
05/27	11	SelfSchCut	Local	SOLR	0	
05/27	12	Economic	Local	SOLR	1057	1714
05/27	12	Economic	Local	WIND	18	
05/27	12	SelfSchCut	Local	SOLR	3	8
05/27	13	Economic	Local	SOLR	746	975
05/27	13	SelfSchCut	Local	SOLR	3	
05/27	14	Economic	Local	SOLR	1266	1522
05/27	14	SelfSchCut	Local	SOLR	4	6
05/27	15	Economic	Local	SOLR	1430	1872
05/27	15	Economic	System	SOLR	0	
05/27	15	SelfSchCut	Local	SOLR	3	
05/27	16	Economic	Local	SOLR	1008	1336
05/27	16	SelfSchCut	Local	SOLR	3	7

05/27	17	Economic	Local	SOLR	572	700
05/27	18	Economic	Local	SOLR	621	896
05/27	18	Economic	Local	WIND	87	18
05/27	18	SelfSchCut	Local	SOLR	3	6
05/27	19	Economic	Local	SOLR	111	233
05/27	19	Economic	Local	WIND	147	153
05/27	19	Economic	System	SOLR	47	108
05/27	19	SelfSchCut	Local	SOLR	4	11
05/27	20	Economic	Local	SOLR	12	95
05/27	20	Economic	Local	WIND	178	128
05/27	20	Economic	System	SOLR	16	50
05/27	21	Economic	Local	WIND	116	182
05/27	22	Economic	Local	WIND	188	224
05/27	23	Economic	Local	WIND	220	254
05/27	24	Economic	Local	WIND	255	305

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.