

Wind and Solar Curtailment May 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.

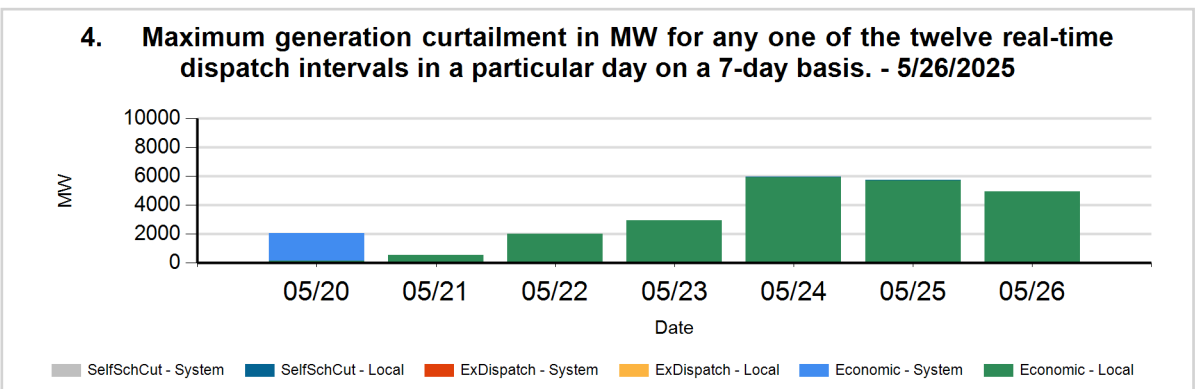
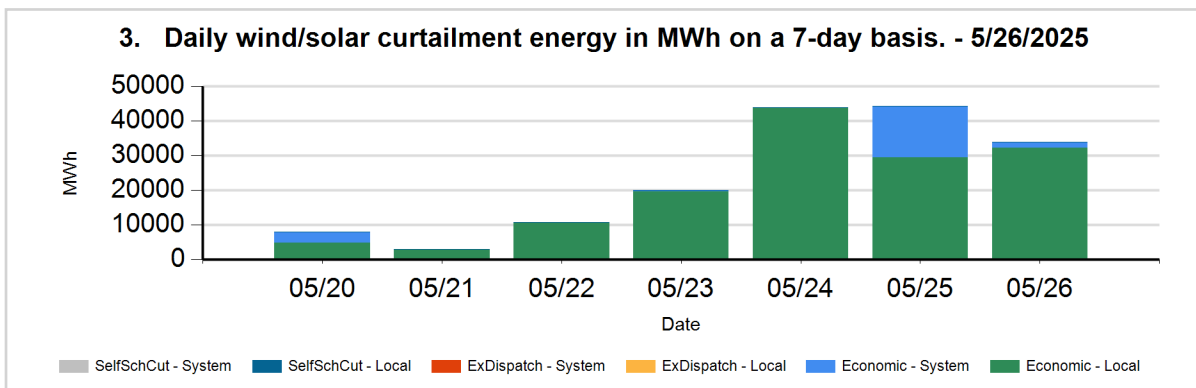
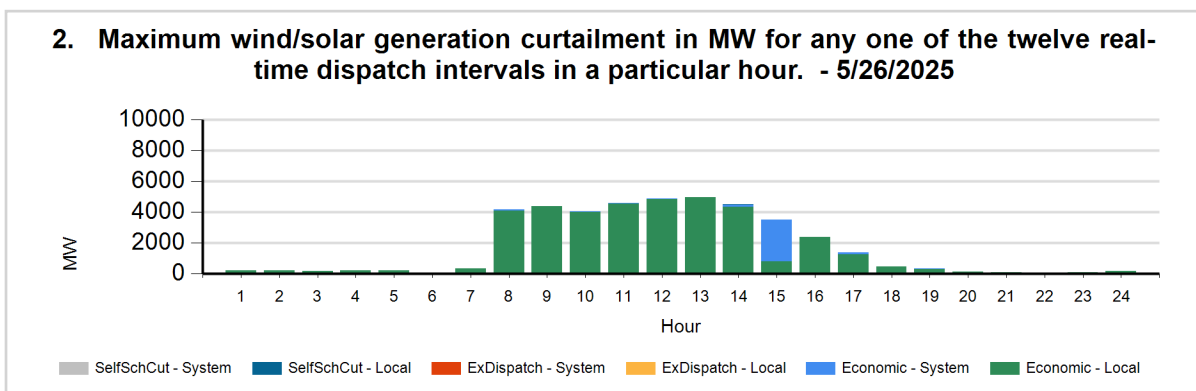
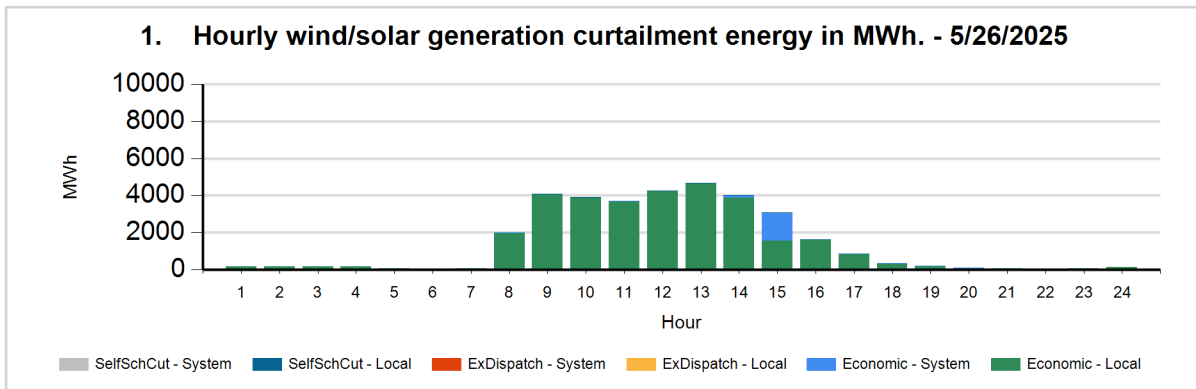
¹Only wind and solar resources can be reported in this manner because these resources have a forecast. Curtailment is defined as the difference between actual production and the forecast when actual production is less than the forecast.

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

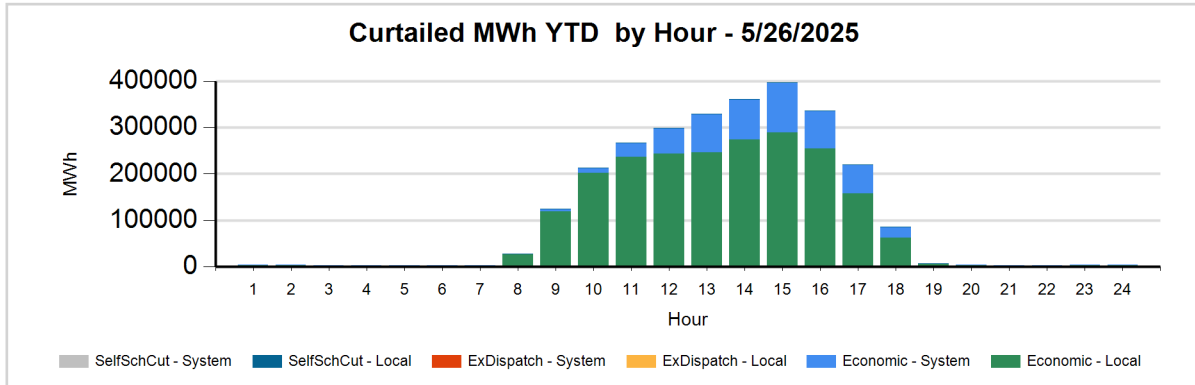
³Congestion occurs when available, least-cost energy cannot be delivered to some loads because transmission facilities do not have sufficient capacity to deliver the energy.

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

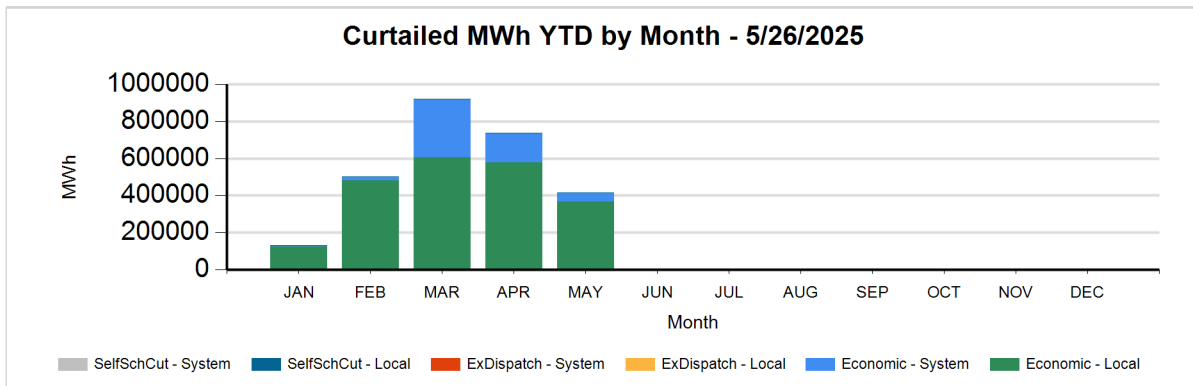
The following charts show the daily and 7-day wind and solar curtailment by category, if any.



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 - 5/26/2025
LocalEconomic	2,154,782
LocalSelfSchCut	1,208
SystemEconomic	550,712
TOTAL	2,706,702

Data used to produce hourly chart

DATE	HOUR	CURT TYPE	REASON	FUEL TYPE	CURTAILED MWH	CURTAILED MW
05/26	1	Economic	Local	WIND	182	200
05/26	2	Economic	Local	WIND	177	190
05/26	3	Economic	Local	WIND	153	172
05/26	4	Economic	Local	WIND	177	213
05/26	5	Economic	Local	WIND	62	195
05/26	7	Economic	Local	SOLR	53	242
05/26	7	Economic	Local	WIND	21	83
05/26	8	Economic	Local	SOLR	1716	3725
05/26	8	Economic	Local	WIND	236	351
05/26	8	Economic	System	SOLR	39	86
05/26	9	Economic	Local	SOLR	3591	3940
05/26	9	Economic	Local	WIND	473	440
05/26	9	Economic	System	SOLR	6	
05/26	9	SelfSchCut	Local	WIND	1	
05/26	10	Economic	Local	SOLR	3666	3763
05/26	10	Economic	Local	WIND	256	296
05/26	10	Economic	System	SOLR	1	2
05/26	10	SelfSchCut	Local	SOLR	2	
05/26	11	Economic	Local	SOLR	3525	4316
05/26	11	Economic	Local	WIND	176	243
05/26	11	Economic	System	WIND	14	22
05/26	11	SelfSchCut	Local	SOLR	0	
05/26	12	Economic	Local	SOLR	3948	4588
05/26	12	Economic	Local	WIND	260	282
05/26	12	Economic	System	SOLR	18	
05/26	12	Economic	System	WIND	23	24
05/26	12	SelfSchCut	Local	SOLR	3	
05/26	13	Economic	Local	SOLR	4338	4602
05/26	13	Economic	Local	WIND	327	339
05/26	13	Economic	System	WIND	0	
05/26	13	SelfSchCut	Local	SOLR	2	

05/26	14	Economic	Local	SOLR	3612	3977
05/26	14	Economic	Local	WIND	243	358
05/26	14	Economic	System	SOLR	112	110
05/26	14	Economic	System	WIND	26	29
05/26	14	SelfSchCut	Local	SOLR	3	7
05/26	15	Economic	Local	SOLR	1449	795
05/26	15	Economic	Local	WIND	120	
05/26	15	Economic	System	SOLR	1426	2508
05/26	15	Economic	System	WIND	79	183
05/26	15	SelfSchCut	Local	SOLR	1	
05/26	16	Economic	Local	SOLR	1556	2235
05/26	16	Economic	Local	WIND	72	155
05/26	16	Economic	System	WIND	3	
05/26	16	SelfSchCut	Local	SOLR	1	
05/26	17	Economic	Local	SOLR	686	1138
05/26	17	Economic	Local	WIND	160	109
05/26	17	Economic	System	SOLR	9	91
05/26	17	Economic	System	WIND	16	29
05/26	18	Economic	Local	SOLR	218	343
05/26	18	Economic	Local	WIND	126	125
05/26	18	Economic	System	SOLR	6	
05/26	19	Economic	Local	SOLR	75	137
05/26	19	Economic	Local	WIND	120	134
05/26	19	Economic	System	SOLR	20	62
05/26	20	Economic	Local	SOLR	12	37
05/26	20	Economic	Local	WIND	85	98
05/26	20	Economic	System	SOLR	2	
05/26	21	Economic	Local	WIND	59	78
05/26	22	Economic	Local	WIND	30	48
05/26	23	Economic	Local	WIND	50	87
05/26	24	Economic	Local	WIND	126	180

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.

