

Wind and Solar Curtailment April 18, 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.

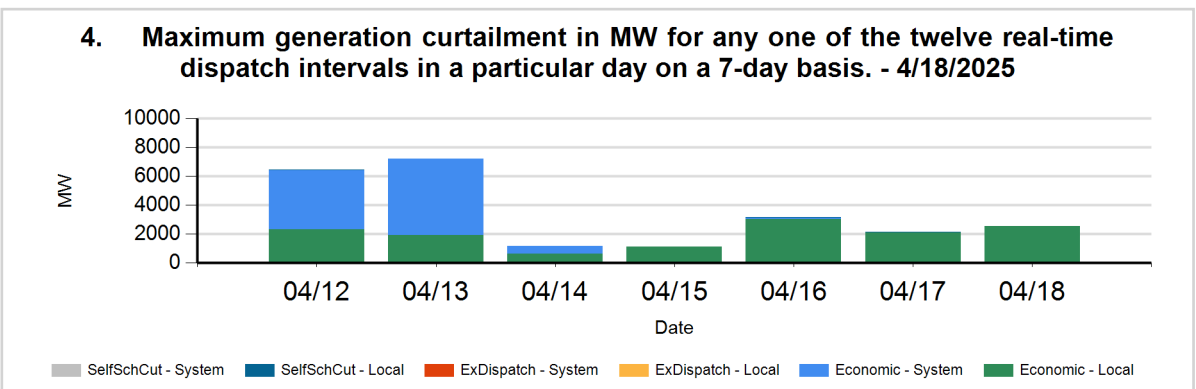
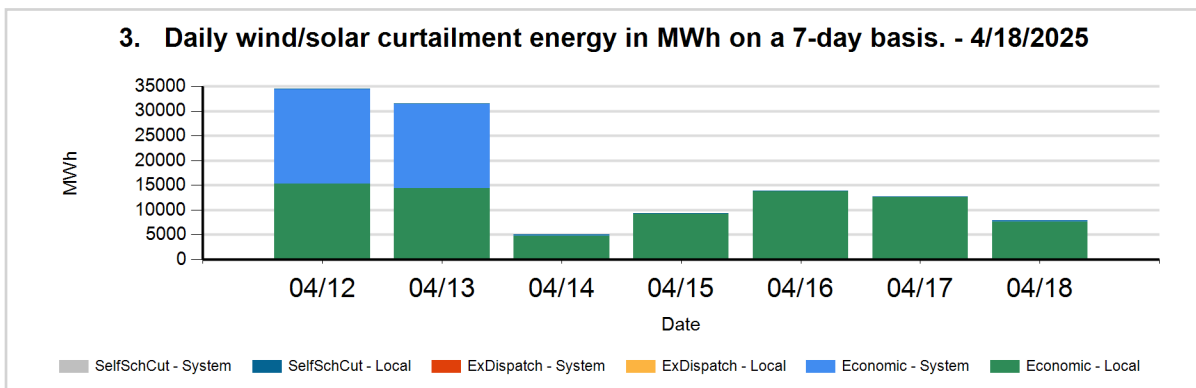
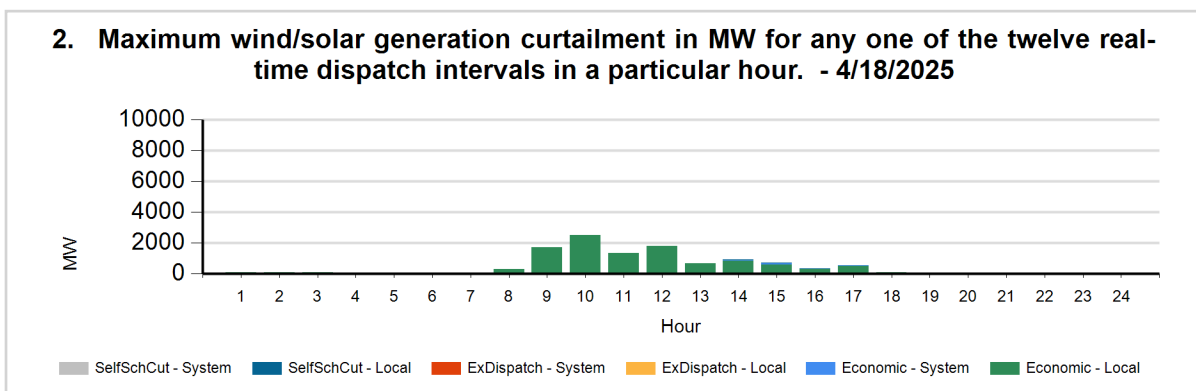
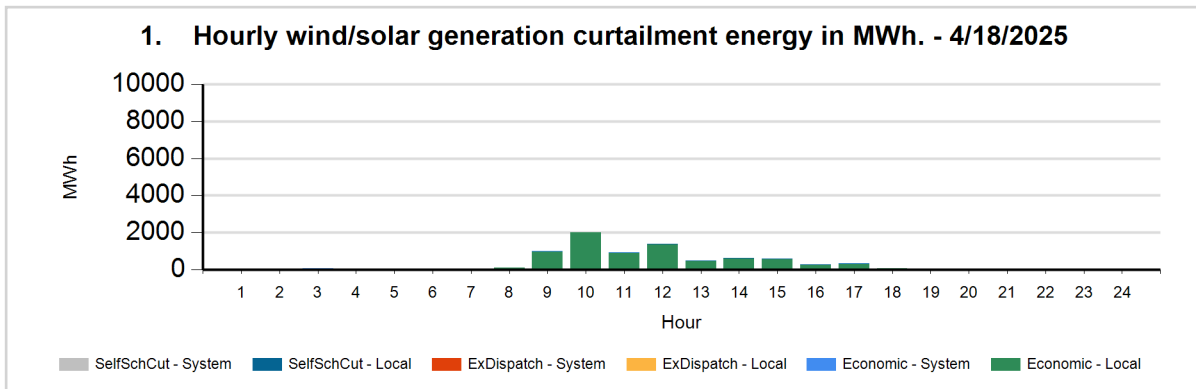
¹Only wind and solar resources can be reported in this manner because these resources have a forecast. Curtailment is defined as the difference between actual production and the forecast when actual production is less than the forecast.

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

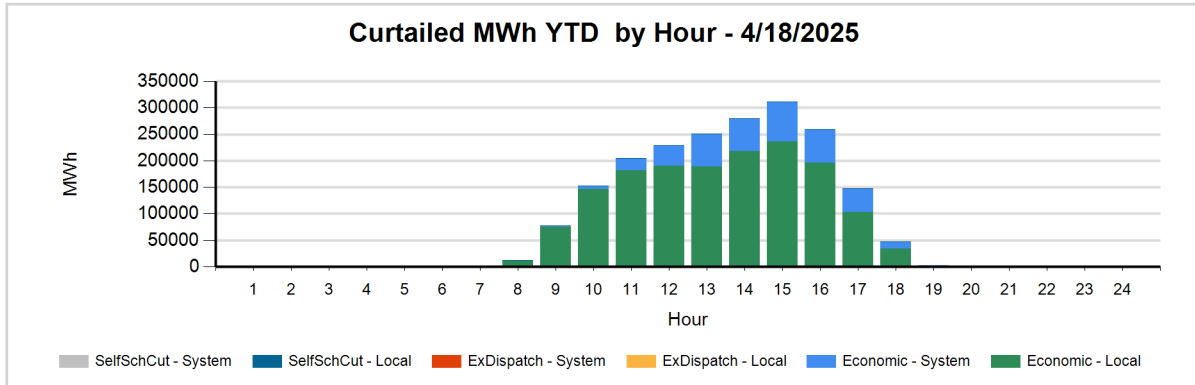
³Congestion occurs when available, least-cost energy cannot be delivered to some loads because transmission facilities do not have sufficient capacity to deliver the energy.

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

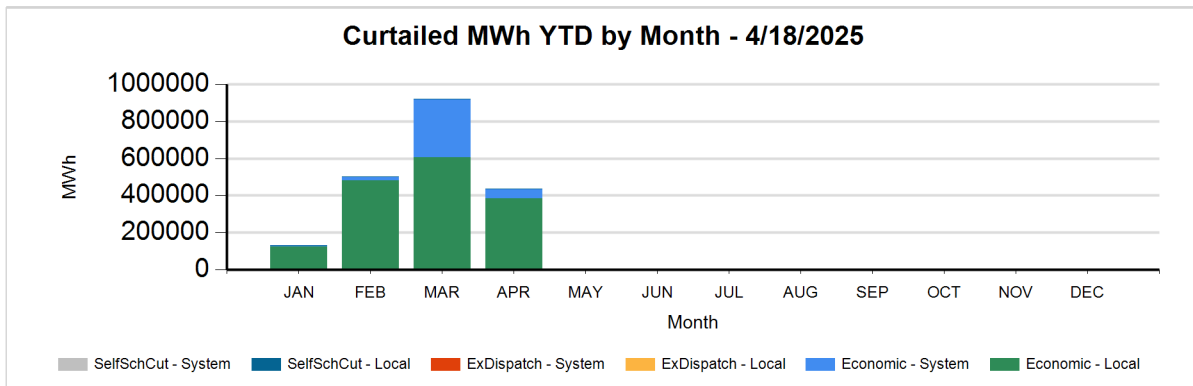
The following charts show the daily and 7-day wind and solar curtailment by category, if any.



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 - 4/18/2025
LocalEconomic	1,595,649
LocalSelfSchCut	373
SystemEconomic	393,270
TOTAL	1,989,292

Data used to produce hourly chart

DATE	HOUR	CURT TYPE	REASON	FUEL TYPE	CURTAILED MWH	CURTAILED MW
04/18	1	Economic	Local	WIND	30	61
04/18	1	Economic	System	WIND	4	
04/18	2	Economic	Local	WIND	43	74
04/18	3	Economic	Local	WIND	26	67
04/18	3	Economic	System	WIND	23	
04/18	4	Economic	Local	WIND	3	16
04/18	4	Economic	System	WIND	2	
04/18	8	Economic	Local	SOLR	40	175
04/18	8	Economic	Local	WIND	48	127
04/18	9	Economic	Local	SOLR	698	1378
04/18	9	Economic	Local	WIND	299	346
04/18	9	Economic	System	SOLR	18	
04/18	9	Economic	System	WIND	0	
04/18	10	Economic	Local	SOLR	1714	2273
04/18	10	Economic	Local	WIND	279	231
04/18	11	Economic	Local	SOLR	641	904
04/18	11	Economic	Local	WIND	269	409
04/18	11	Economic	System	SOLR	7	
04/18	12	Economic	Local	SOLR	1024	1453
04/18	12	Economic	Local	WIND	341	352
04/18	12	SelfSchCut	Local	SOLR	1	
04/18	13	Economic	Local	SOLR	438	471
04/18	13	Economic	Local	WIND	55	185
04/18	13	SelfSchCut	Local	SOLR	3	
04/18	14	Economic	Local	SOLR	545	849
04/18	14	Economic	Local	WIND	42	
04/18	14	Economic	System	SOLR	2	8
04/18	14	Economic	System	WIND	17	63
04/18	14	SelfSchCut	Local	SOLR	5	11
04/18	15	Economic	Local	SOLR	516	599
04/18	15	Economic	Local	WIND	18	

04/18	15	Economic	System	SOLR	11	9
04/18	15	Economic	System	WIND	52	75
04/18	15	SelfSchCut	Local	SOLR	2	10
04/18	16	Economic	Local	SOLR	238	329
04/18	16	Economic	Local	WIND	0	2
04/18	16	Economic	System	SOLR	28	
04/18	16	Economic	System	WIND	0	
04/18	16	SelfSchCut	Local	SOLR	3	5
04/18	17	Economic	Local	SOLR	327	529
04/18	17	Economic	System	SOLR	8	8
04/18	18	Economic	Local	SOLR	60	96
04/18	19	Economic	Local	SOLR	2	15
04/18	20	Economic	System	SOLR	0	5
04/18	20	Economic	System	WIND	4	53

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.