

Wind and Solar Curtailment April 06, 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.

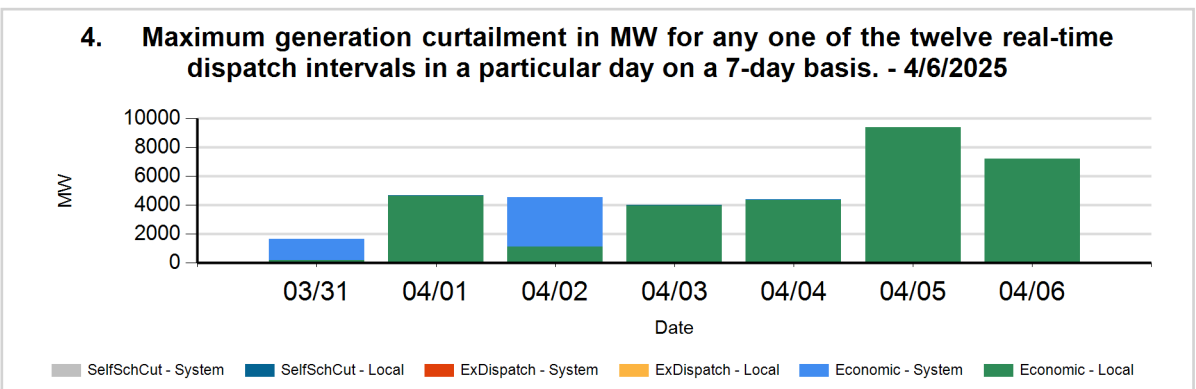
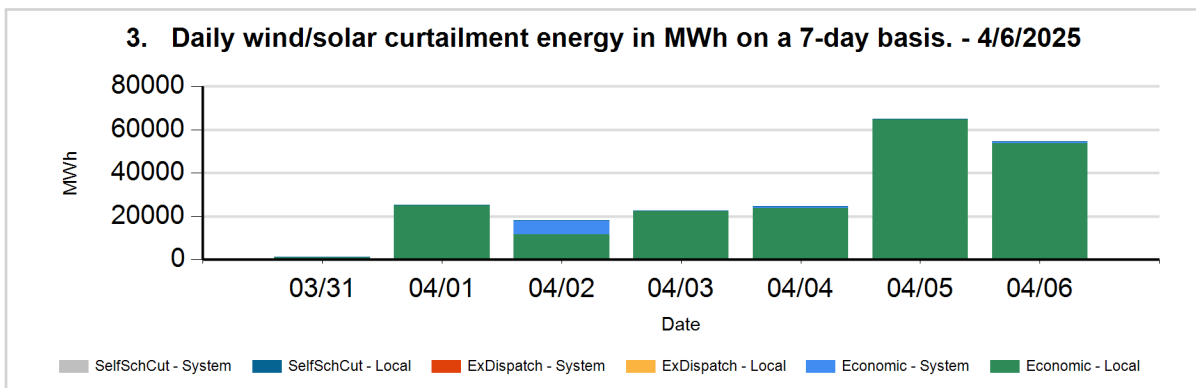
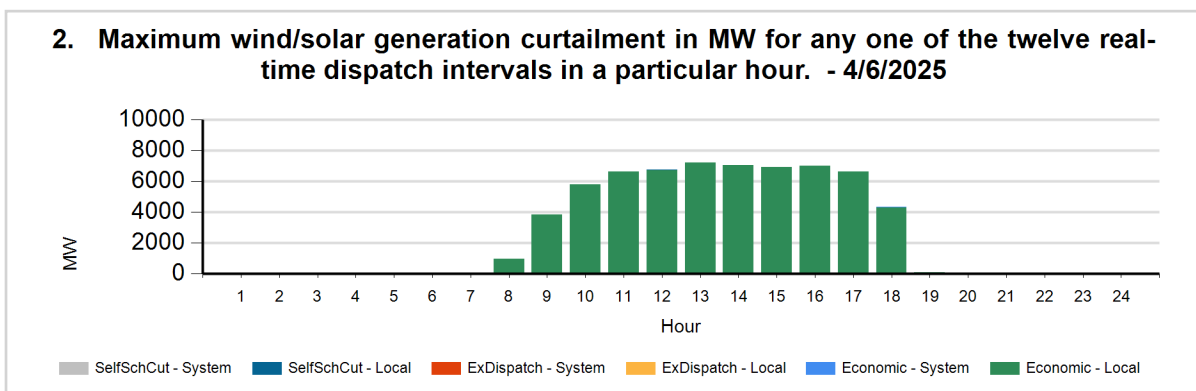
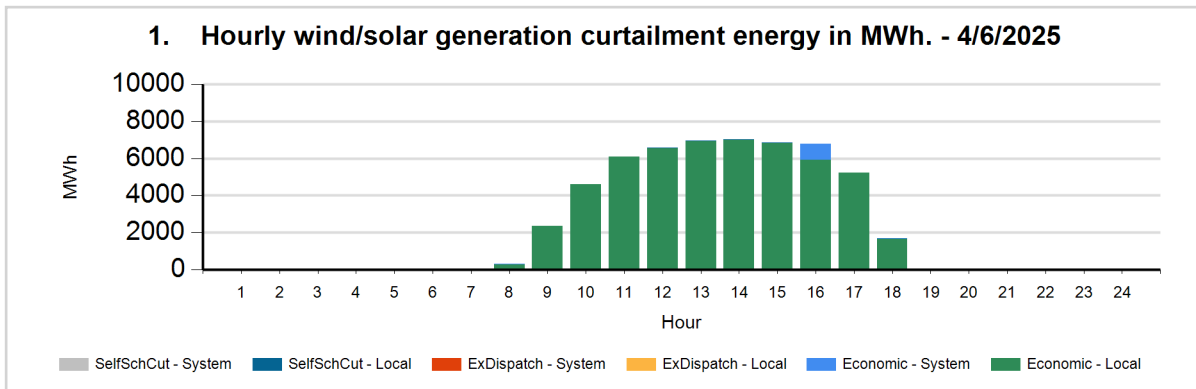
¹Only wind and solar resources can be reported in this manner because these resources have a forecast. Curtailment is defined as the difference between actual production and the forecast when actual production is less than the forecast.

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

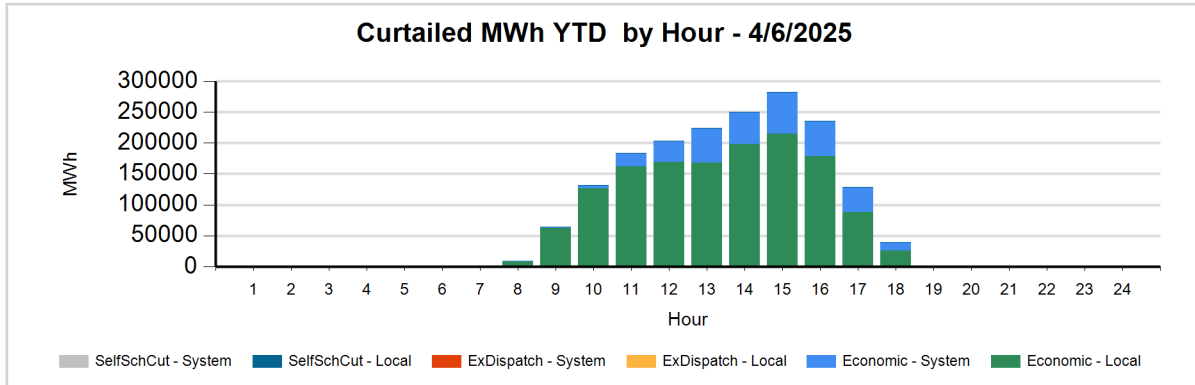
³Congestion occurs when available, least-cost energy cannot be delivered to some loads because transmission facilities do not have sufficient capacity to deliver the energy.

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

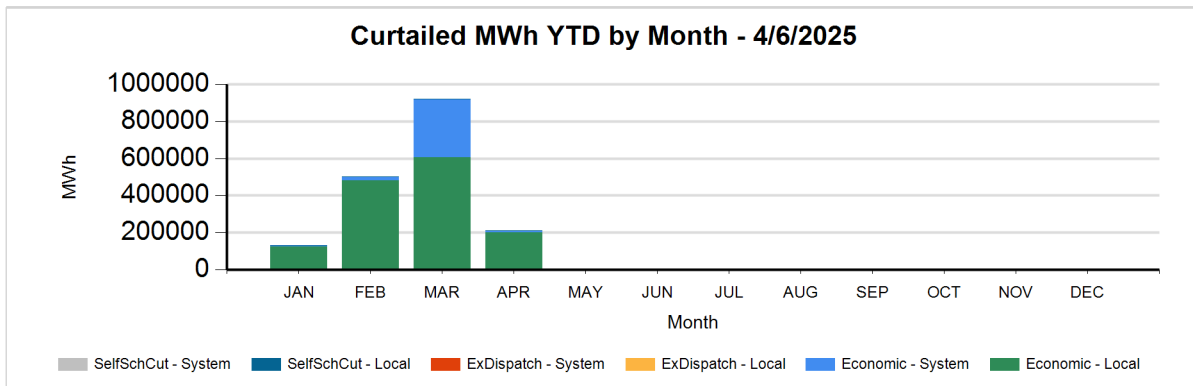
The following charts show the daily and 7-day wind and solar curtailment by category, if any.



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 - 4/6/2025
LocalEconomic	1,413,817
LocalSelfSchCut	240
SystemEconomic	347,791
TOTAL	1,761,848

Data used to produce hourly chart

DATE	HOUR	CURT TYPE	REASON	FUEL TYPE	CURTAILED MWH	CURTAILED MW
04/06	8	Economic	Local	SOLR	317	949
04/06	8	Economic	System	SOLR	5	
04/06	8	Economic	System	WIND	0	
04/06	9	Economic	Local	SOLR	2352	3848
04/06	9	Economic	Local	WIND	1	5
04/06	10	Economic	Local	SOLR	4549	5725
04/06	10	Economic	Local	WIND	52	84
04/06	11	Economic	Local	SOLR	5985	6520
04/06	11	Economic	Local	WIND	90	104
04/06	11	SelfSchCut	Local	SOLR	0	
04/06	12	Economic	Local	SOLR	6531	6687
04/06	12	Economic	Local	WIND	56	51
04/06	12	SelfSchCut	Local	SOLR	1	6
04/06	13	Economic	Local	SOLR	6890	7150
04/06	13	Economic	Local	WIND	46	51
04/06	13	SelfSchCut	Local	SOLR	2	
04/06	14	Economic	Local	SOLR	6976	7010
04/06	14	Economic	Local	WIND	51	53
04/06	14	SelfSchCut	Local	SOLR	2	
04/06	15	Economic	Local	SOLR	6736	6814
04/06	15	Economic	Local	WIND	103	105
04/06	15	SelfSchCut	Local	SOLR	1	
04/06	16	Economic	Local	SOLR	5789	6852
04/06	16	Economic	Local	WIND	135	145
04/06	16	Economic	System	SOLR	845	
04/06	16	Economic	System	WIND	21	
04/06	17	Economic	Local	SOLR	4980	6384
04/06	17	Economic	Local	WIND	242	260
04/06	18	Economic	Local	SOLR	1617	4187
04/06	18	Economic	Local	WIND	69	154
04/06	18	Economic	System	SOLR	0	

04/06	18	Economic	System	WIND	3	4
04/06	19	Economic	Local	SOLR	17	68
04/06	19	Economic	System	SOLR	1	

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.