

Wind and Solar Curtailment March 16, 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.

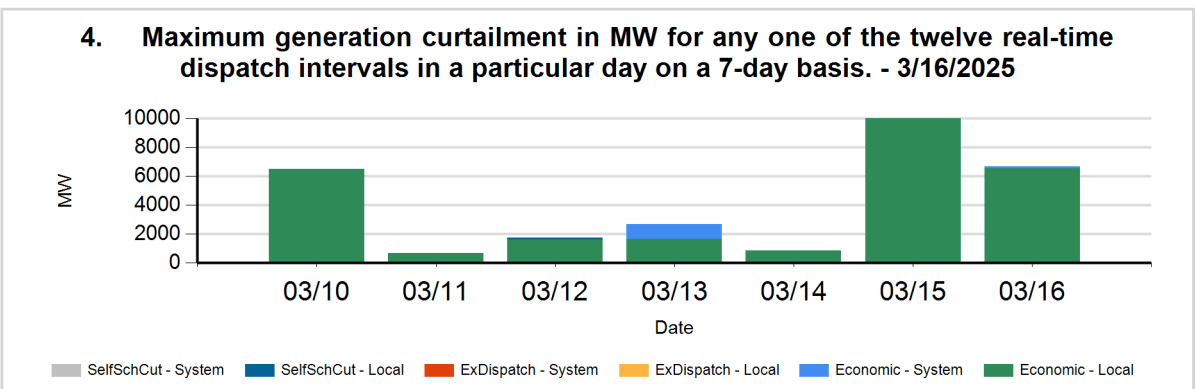
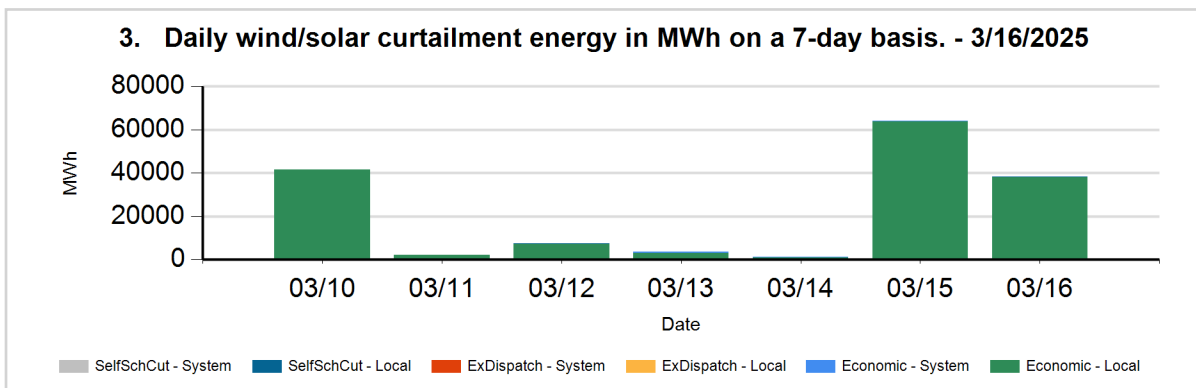
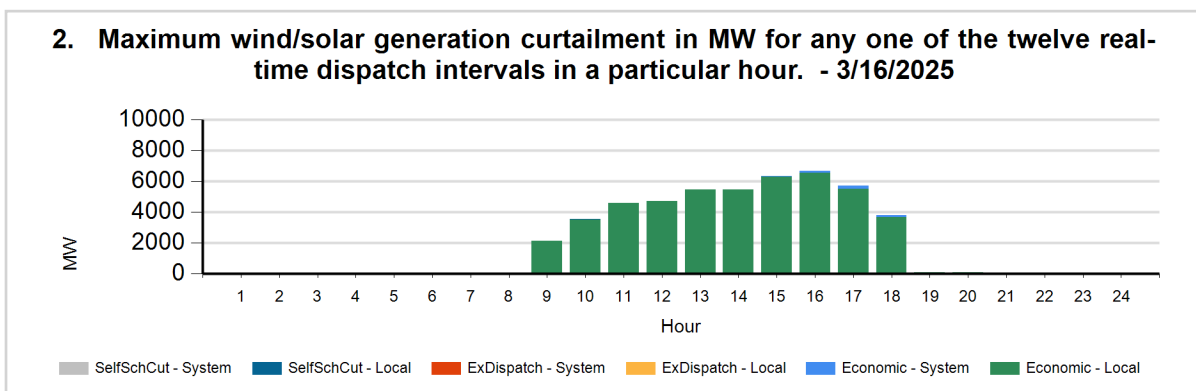
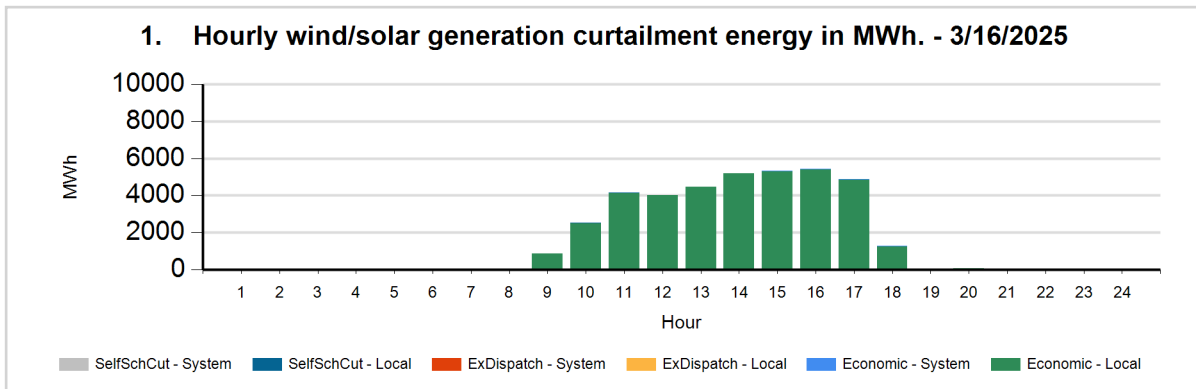
¹Only wind and solar resources can be reported in this manner because these resources have a forecast. Curtailment is defined as the difference between actual production and the forecast when actual production is less than the forecast.

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

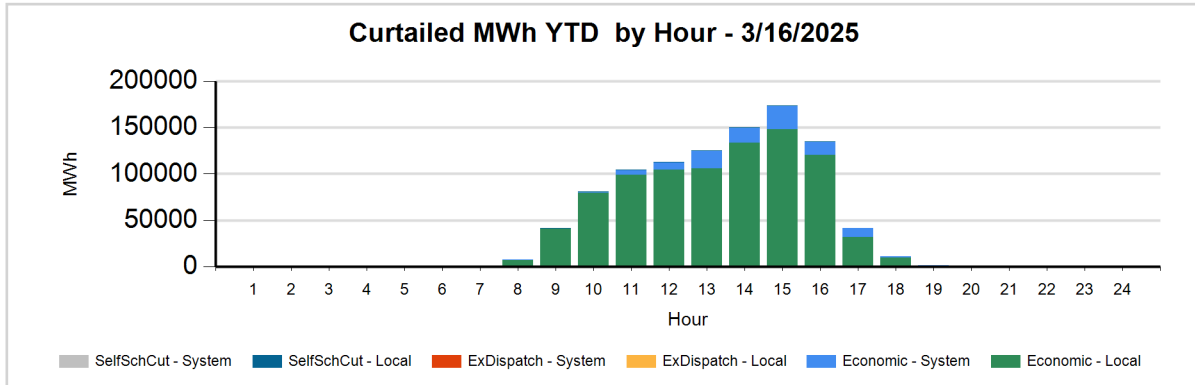
³Congestion occurs when available, least-cost energy cannot be delivered to some loads because transmission facilities do not have sufficient capacity to deliver the energy.

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

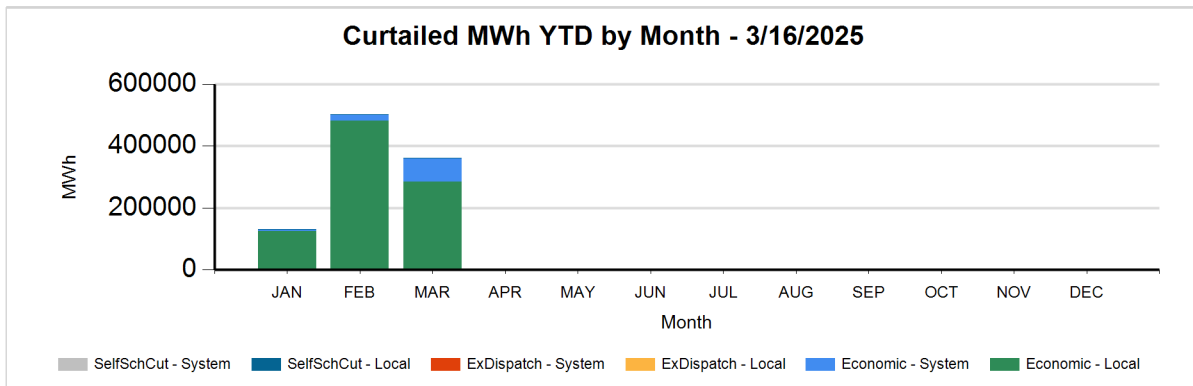
The following charts show the daily and 7-day wind and solar curtailment by category, if any.



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 - 3/16/2025
LocalEconomic	890,168
LocalSelfSchCut	122
SystemEconomic	103,276
TOTAL	993,566

Data used to produce hourly chart

DATE	HOUR	CURT TYPE	REASON	FUEL TYPE	CURTAILED MWH	CURTAILED MW
03/16	8	Economic	Local	SOLR	7	44
03/16	9	Economic	Local	SOLR	870	2114
03/16	9	Economic	Local	WIND	1	1
03/16	10	Economic	Local	SOLR	2502	3506
03/16	10	Economic	Local	WIND	11	19
03/16	10	SelfSchCut	Local	SOLR	4	11
03/16	11	Economic	Local	SOLR	4109	4569
03/16	11	Economic	Local	WIND	26	19
03/16	11	SelfSchCut	Local	SOLR	1	
03/16	12	Economic	Local	SOLR	4001	4689
03/16	12	Economic	Local	WIND	16	15
03/16	13	Economic	Local	SOLR	4433	5410
03/16	13	Economic	Local	WIND	31	56
03/16	14	Economic	Local	SOLR	5099	5379
03/16	14	Economic	Local	WIND	80	77
03/16	15	Economic	Local	SOLR	5202	6201
03/16	15	Economic	Local	WIND	107	123
03/16	15	Economic	System	SOLR	10	15
03/16	15	Economic	System	WIND	3	
03/16	16	Economic	Local	SOLR	5201	6392
03/16	16	Economic	Local	WIND	180	136
03/16	16	Economic	System	SOLR	43	74
03/16	16	Economic	System	WIND	16	59
03/16	17	Economic	Local	SOLR	4572	5255
03/16	17	Economic	Local	WIND	265	244
03/16	17	Economic	System	SOLR	8	75
03/16	17	Economic	System	WIND	26	130
03/16	18	Economic	Local	SOLR	1177	3511
03/16	18	Economic	Local	WIND	52	149
03/16	18	Economic	System	SOLR	19	63
03/16	18	Economic	System	WIND	19	65

03/16	19	Economic	Local	SOLR	0	
03/16	19	Economic	Local	WIND	17	65
03/16	20	Economic	Local	WIND	54	79
03/16	21	Economic	Local	WIND	8	34

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.