

Wind and Solar Curtailment March 09, 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.

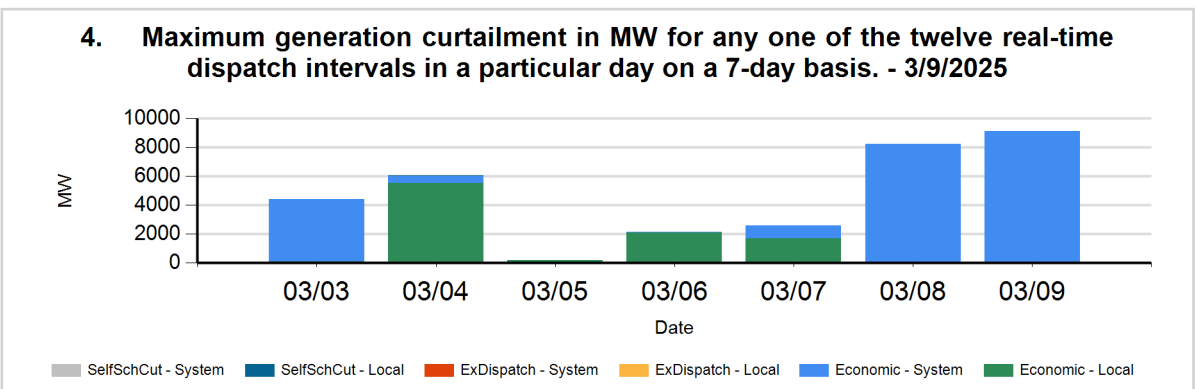
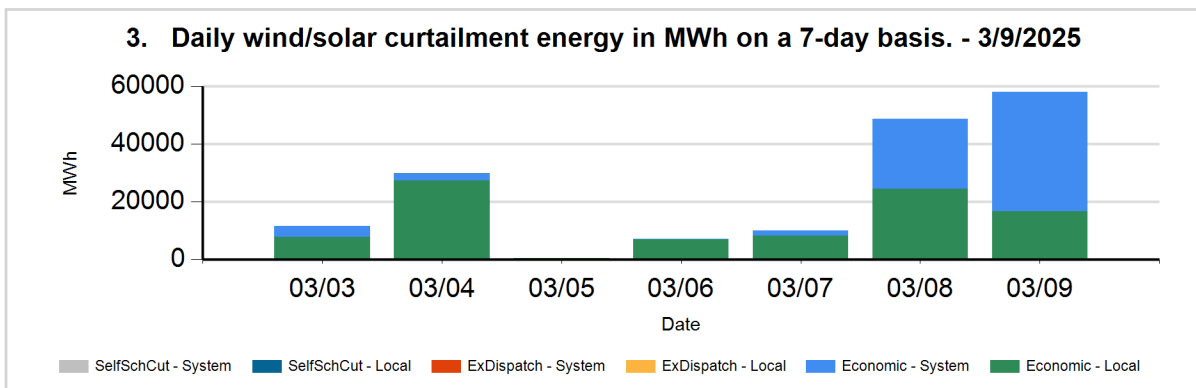
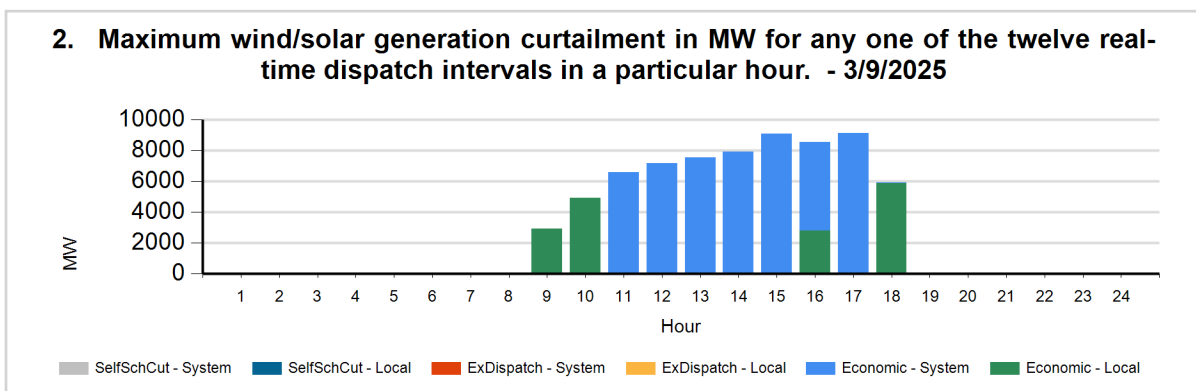
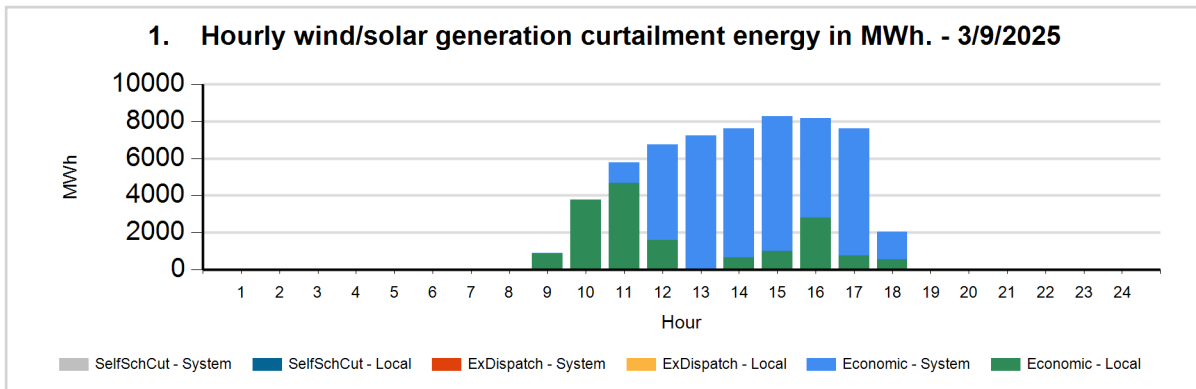
¹Only wind and solar resources can be reported in this manner because these resources have a forecast. Curtailment is defined as the difference between actual production and the forecast when actual production is less than the forecast.

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

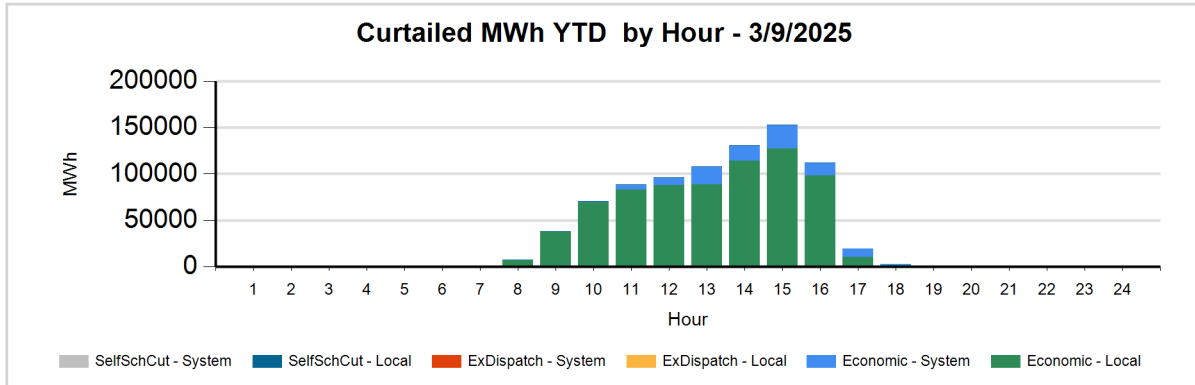
³Congestion occurs when available, least-cost energy cannot be delivered to some loads because transmission facilities do not have sufficient capacity to deliver the energy.

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

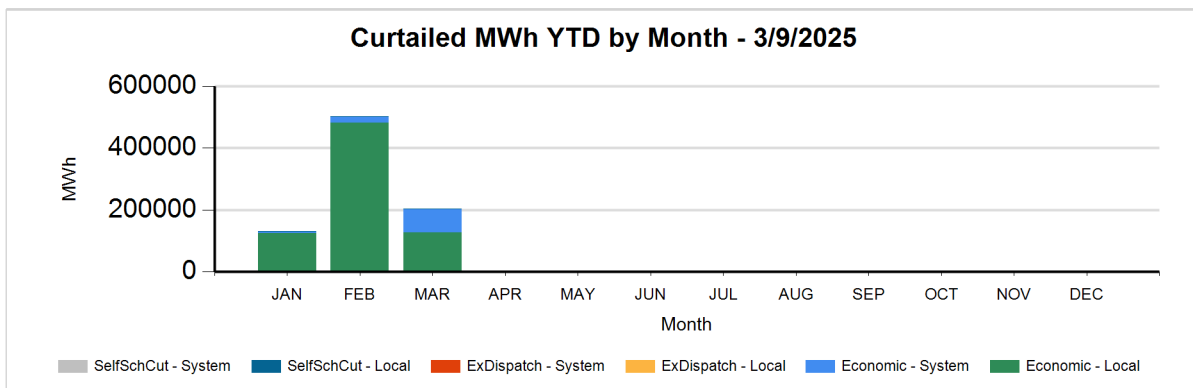
The following charts show the daily and 7-day wind and solar curtailment by category, if any.



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 - 3/9/2025
LocalEconomic	733,379
LocalSelfSchCut	91
SystemEconomic	102,334
TOTAL	835,804

Data used to produce hourly chart

DATE	HOUR	CURT TYPE	REASON	FUEL TYPE	CURTAILED MWH	CURTAILED MW
03/09	9	Economic	Local	SOLR	856	2905
03/09	9	Economic	Local	WIND	1	2
03/09	9	Economic	System	SOLR	24	
03/09	9	Economic	System	WIND	1	
03/09	10	Economic	Local	SOLR	3745	4911
03/09	10	Economic	Local	WIND	14	22
03/09	11	Economic	Local	SOLR	4549	
03/09	11	Economic	Local	WIND	119	
03/09	11	Economic	System	SOLR	1058	6334
03/09	11	Economic	System	WIND	48	266
03/09	12	Economic	Local	SOLR	1547	
03/09	12	Economic	Local	WIND	59	
03/09	12	Economic	System	SOLR	4934	6902
03/09	12	Economic	System	WIND	193	266
03/09	13	Economic	System	SOLR	6960	7302
03/09	13	Economic	System	WIND	257	265
03/09	14	Economic	Local	SOLR	636	
03/09	14	Economic	Local	WIND	19	
03/09	14	Economic	System	SOLR	6744	7697
03/09	14	Economic	System	WIND	206	208
03/09	15	Economic	Local	SOLR	978	
03/09	15	Economic	Local	WIND	16	
03/09	15	Economic	System	SOLR	7082	8896
03/09	15	Economic	System	WIND	186	217
03/09	16	Economic	Local	SOLR	2788	2792
03/09	16	Economic	System	SOLR	5107	5538
03/09	16	Economic	System	WIND	256	218
03/09	17	Economic	Local	SOLR	747	
03/09	17	Economic	Local	WIND	24	
03/09	17	Economic	System	SOLR	6590	8865
03/09	17	Economic	System	WIND	244	264

03/09	18	Economic	Local	SOLR	539	5729
03/09	18	Economic	Local	WIND	14	174
03/09	18	Economic	System	SOLR	1437	12
03/09	18	Economic	System	WIND	45	

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.