

Wind and Solar Curtailment March 01, 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.

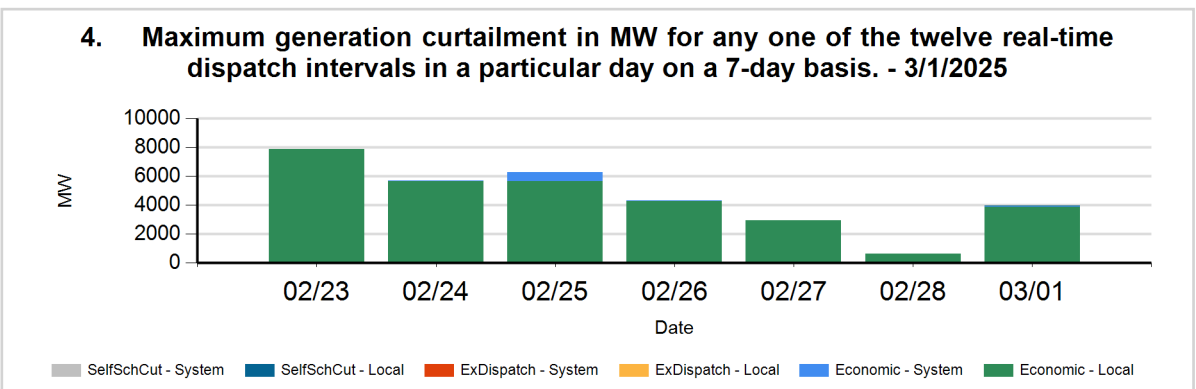
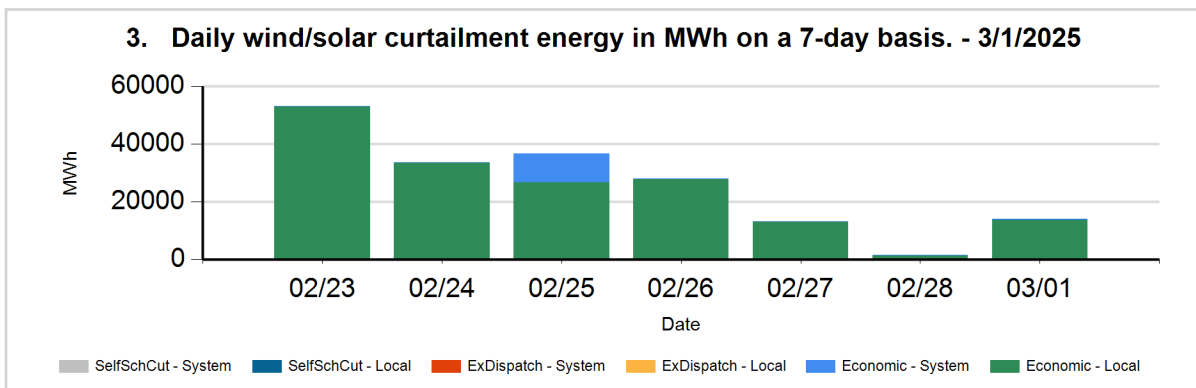
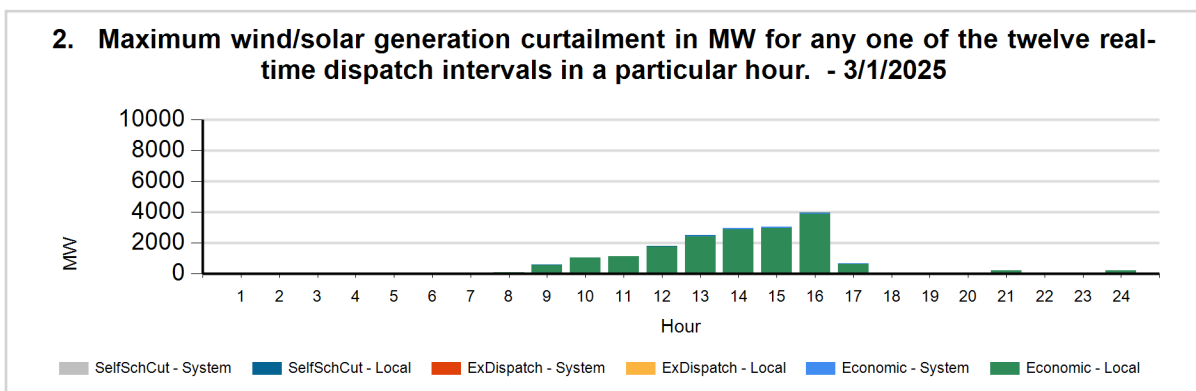
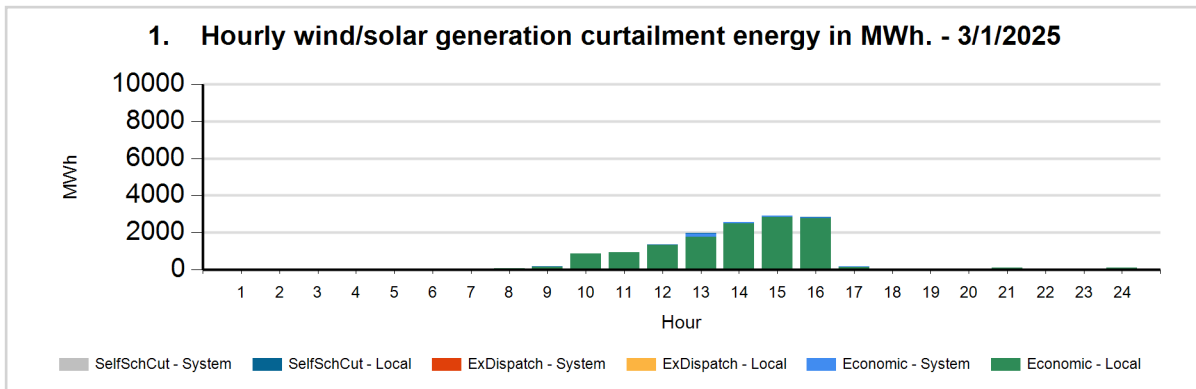
¹Only wind and solar resources can be reported in this manner because these resources have a forecast. Curtailment is defined as the difference between actual production and the forecast when actual production is less than the forecast.

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

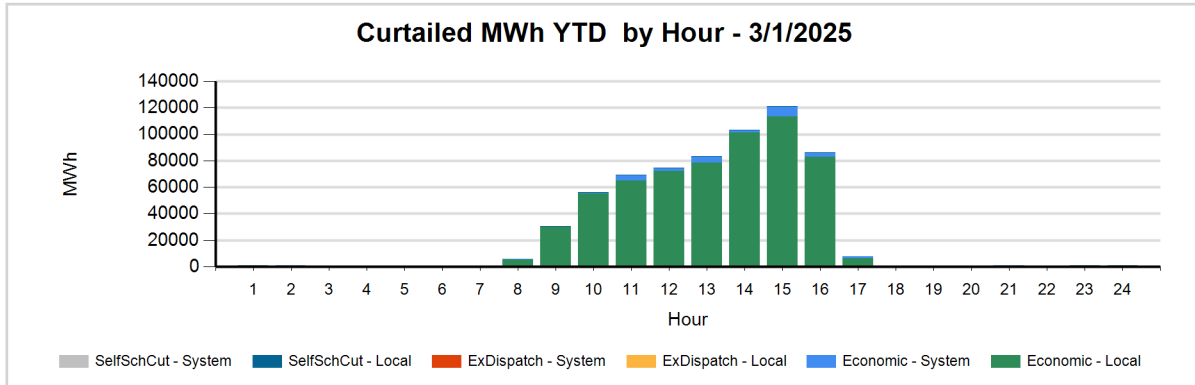
³Congestion occurs when available, least-cost energy cannot be delivered to some loads because transmission facilities do not have sufficient capacity to deliver the energy.

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

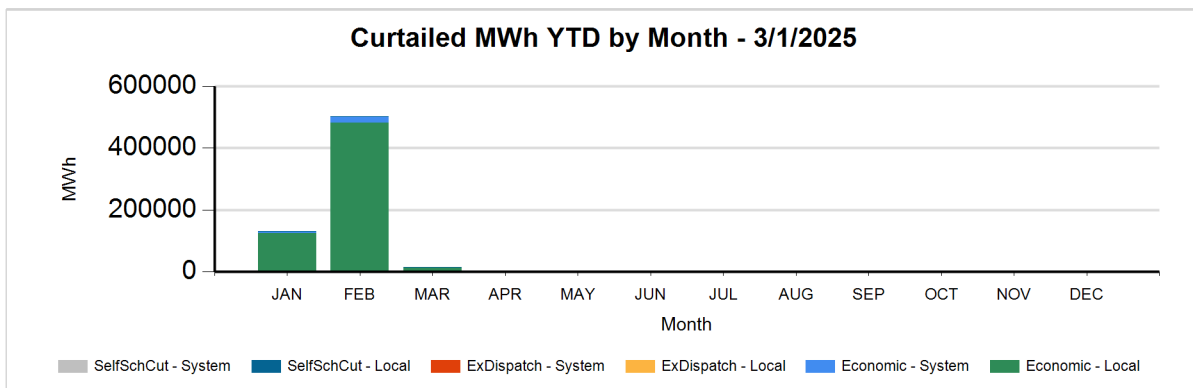
The following charts show the daily and 7-day wind and solar curtailment by category, if any.



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 - 3/1/2025
LocalEconomic	619,690
LocalSelfSchCut	47
SystemEconomic	27,039
TOTAL	646,776

Data used to produce hourly chart

DATE	HOUR	CURT TYPE	REASON	FUEL TYPE	CURTAILED MWH	CURTAILED MW
03/01	8	Economic	Local	SOLR	1	13
03/01	8	Economic	Local	WIND	49	78
03/01	9	Economic	Local	SOLR	106	503
03/01	9	Economic	Local	WIND	66	81
03/01	9	SelfSchCut	Local	SOLR	1	6
03/01	10	Economic	Local	SOLR	822	994
03/01	10	Economic	Local	WIND	49	35
03/01	11	Economic	Local	SOLR	843	855
03/01	11	Economic	Local	WIND	93	260
03/01	12	Economic	Local	SOLR	1148	1593
03/01	12	Economic	Local	WIND	182	197
03/01	12	Economic	System	WIND	9	
03/01	12	SelfSchCut	Local	SOLR	1	1
03/01	13	Economic	Local	SOLR	1526	2063
03/01	13	Economic	Local	WIND	225	344
03/01	13	Economic	System	SOLR	6	8
03/01	13	Economic	System	WIND	193	65
03/01	13	SelfSchCut	Local	SOLR	9	14
03/01	14	Economic	Local	SOLR	2053	2393
03/01	14	Economic	Local	WIND	441	475
03/01	14	Economic	System	SOLR	6	8
03/01	14	Economic	System	WIND	68	66
03/01	15	Economic	Local	SOLR	2362	2462
03/01	15	Economic	Local	WIND	466	517
03/01	15	Economic	System	SOLR	16	8
03/01	15	Economic	System	WIND	58	66
03/01	16	Economic	Local	SOLR	2374	3418
03/01	16	Economic	Local	WIND	413	462
03/01	16	Economic	System	SOLR	4	
03/01	16	Economic	System	WIND	26	70
03/01	16	SelfSchCut	Local	SOLR	12	20

03/01	17	Economic	Local	SOLR	37	432
03/01	17	Economic	Local	WIND	117	214
03/01	17	Economic	System	SOLR	2	22
03/01	18	Economic	System	SOLR	1	3
03/01	21	Economic	Local	WIND	101	191
03/01	24	Economic	Local	WIND	106	215

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.