Wind and Solar Curtailment February 26, 2025

This report is produced daily to provide a detailed accounting of the wind and solar renewable generation that was curtailed and the reasons why[1]. This report should be read in the context of the Renewables Watch report for a more complete understanding of both renewable curtailment and generation[2].

Wind and solar curtailments are grouped into the following categories:

1. Economic - Local: Market dispatch of generators with economic bids to mitigate local congestion[3].
2. Economic - System: Market dispatch of generators with economic bids to mitigate system-wide oversupply[4].
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.

[1]Only 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.

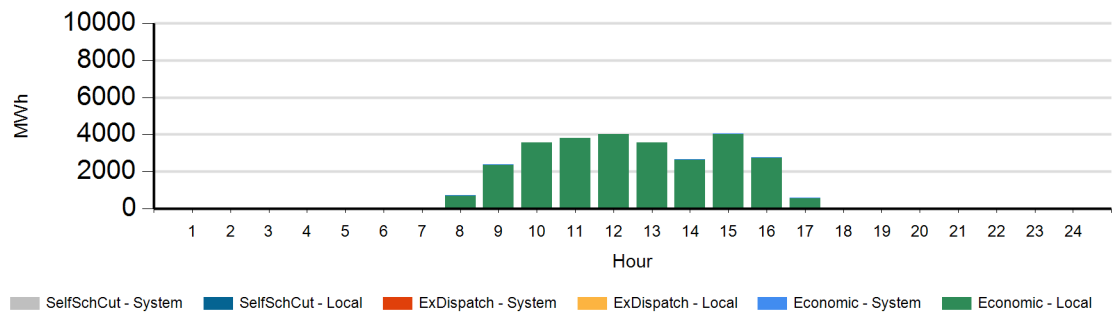
[2]The Renewables Watch report provides daily actual renewable production within the ISO grid. It is available at: http://www.caiso.com/green/renewableswatch.html.

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

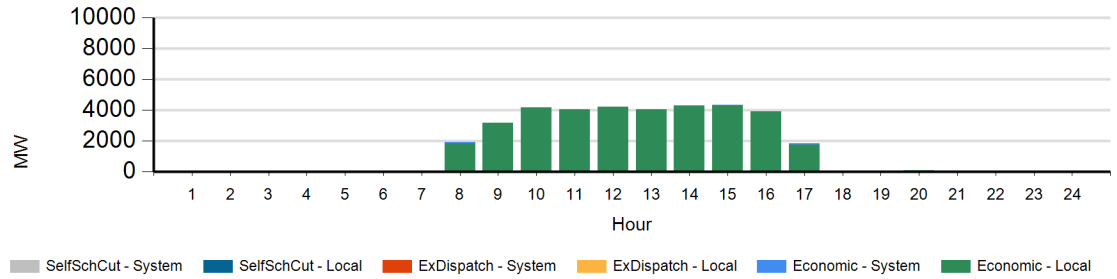
[4]For more information on oversupply conditions, please see: https://www.caiso.com/Documents/FlexibleResourcesHelpRenewables_FastFacts.pdf

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

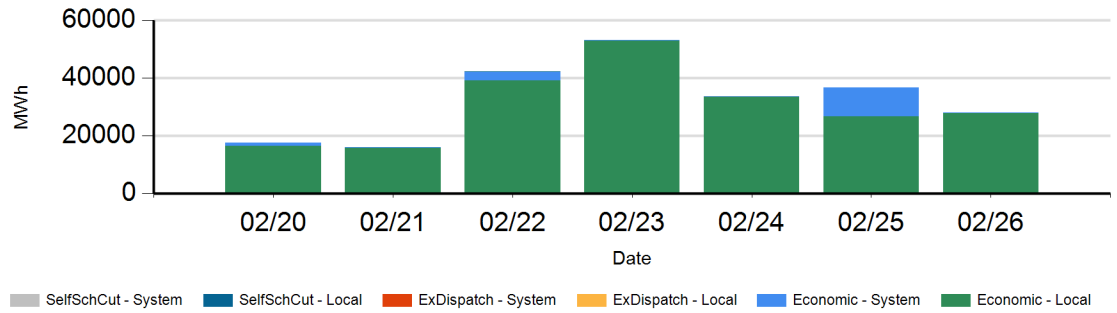
1. Hourly wind/solar generation curtailment energy in MWh. - 2/26/2025



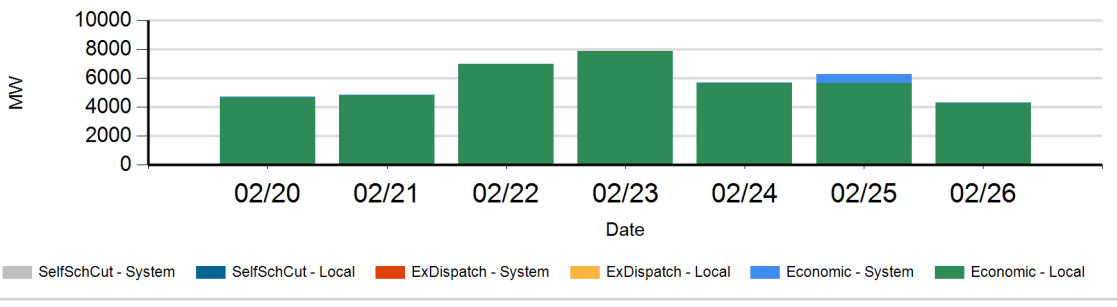
2. Maximum wind/solar generation curtailment in MW for any one of the twelve real-time dispatch intervals in a particular hour. - 2/26/2025



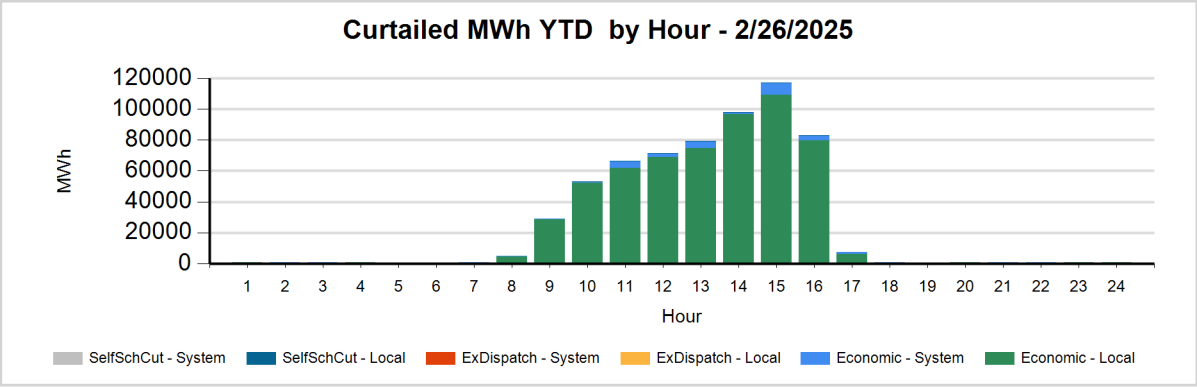
3. Daily wind/solar curtailment energy in MWh on a 7-day basis. - 2/26/2025



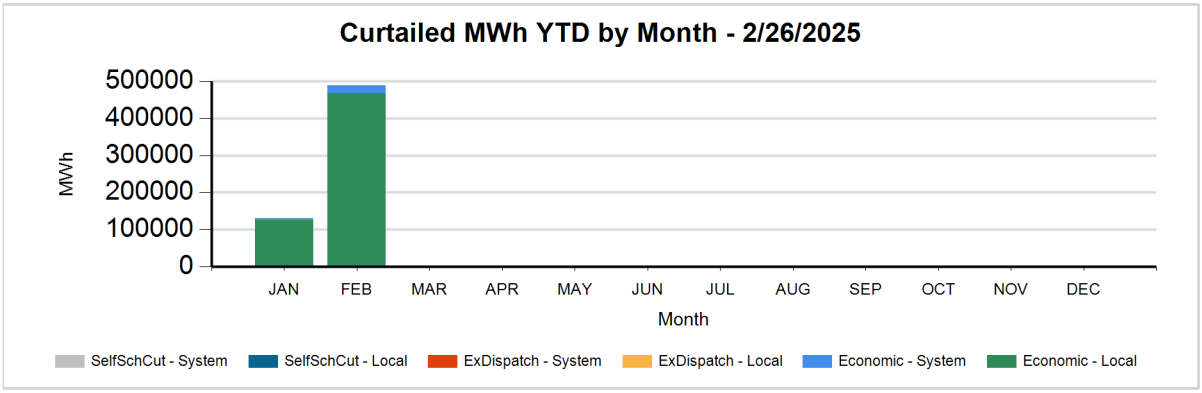
4. Maximum generation curtailment in MW for any one of the twelve real-time dispatch intervals in a particular day on a 7-day basis. - 2/26/2025



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 - 2/26/2025
LocalEconomic	591,637
LocalSelfSchCut	10
SystemEconomic	26,565
TOTAL	618,212

Data used to produce hourly chart

California ISO

DATE	HOUR	CURT TYPE	REASON	FUEL TYPE	CURTAILED MWH	CURTAILED MW
02/26	4	Economic	Local	WIND	0	5
02/26	8	Economic	Local	SOLR	703	1822
02/26	8	Economic	Local	WIND	10	19
02/26	8	Economic	System	SOLR	6	72
02/26	9	Economic	Local	SOLR	2350	3125
02/26	9	Economic	Local	WIND	27	36
02/26	9	Economic	System	SOLR	1	
02/26	10	Economic	Local	SOLR	3524	4109
02/26	10	Economic	Local	WIND	52	64
02/26	11	Economic	Local	SOLR	3705	3954
02/26	11	Economic	Local	WIND	84	77
02/26	12	Economic	Local	SOLR	3891	4127
02/26	12	Economic	Local	WIND	104	89
02/26	13	Economic	Local	SOLR	3481	3915
02/26	13	Economic	Local	WIND	97	132
02/26	14	Economic	Local	SOLR	2583	4219
02/26	14	Economic	Local	WIND	63	85
02/26	14	Economic	System	WIND	3	
02/26	15	Economic	Local	SOLR	3924	4215
02/26	15	Economic	Local	WIND	93	101
02/26	15	Economic	System	SOLR	8	8
02/26	15	Economic	System	WIND	5	
02/26	16	Economic	Local	SOLR	2699	3831
02/26	16	Economic	Local	WIND	70	67
02/26	16	Economic	System	SOLR	3	
02/26	16	Economic	System	WIND	1	3
02/26	17	Economic	Local	SOLR	492	1648
02/26	17	Economic	Local	WIND	48	91
02/26	17	Economic	System	SOLR	48	88
02/26	17	Economic	System	WIND	0	
02/26	18	Economic	Local	SOLR	0	
02/26	18	Economic	System	SOLR	3	22
02/26	20	Economic	Local	WIND	17	68

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.