

Wind and Solar Curtailment May 14, 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.

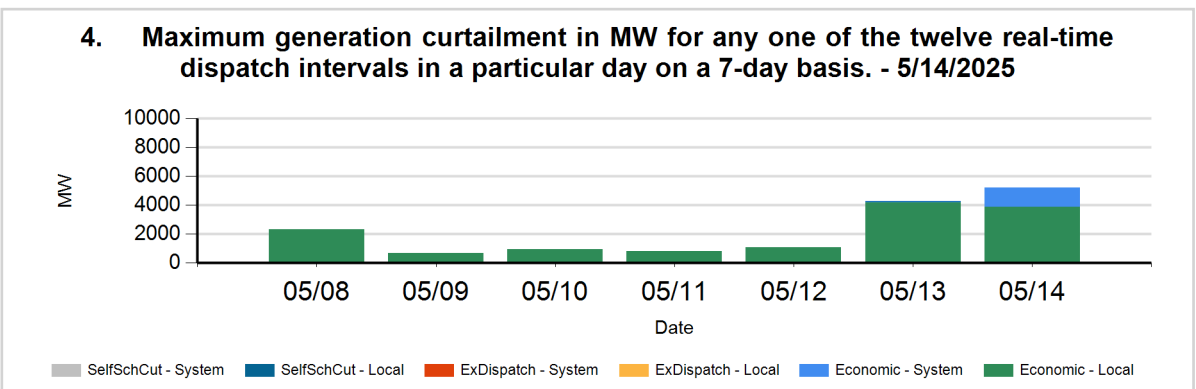
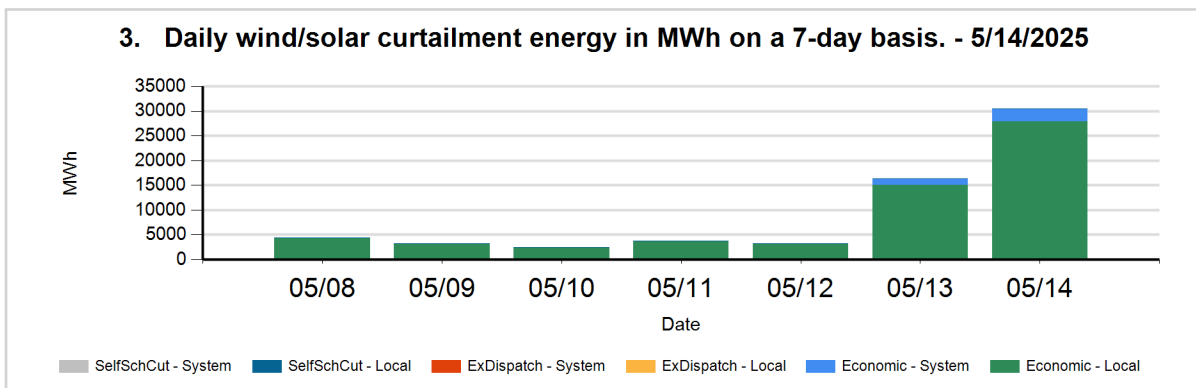
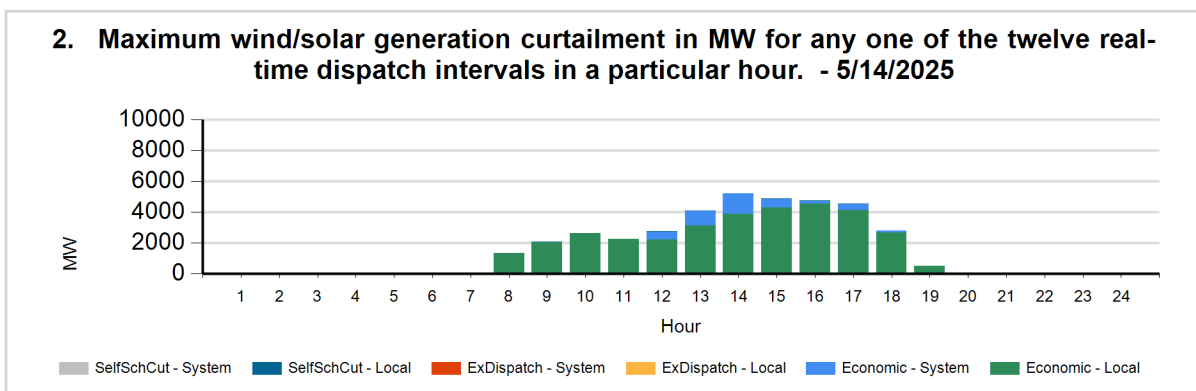
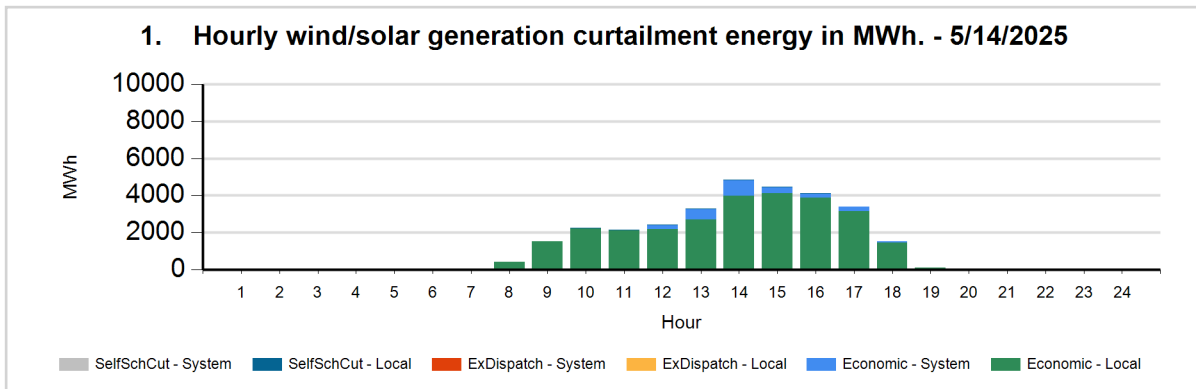
¹Only wind and solar resources can be reported in this manner because these resources have a forecast. Curtailment is defined as the difference between actual production and the forecast when actual production is less than the forecast.

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

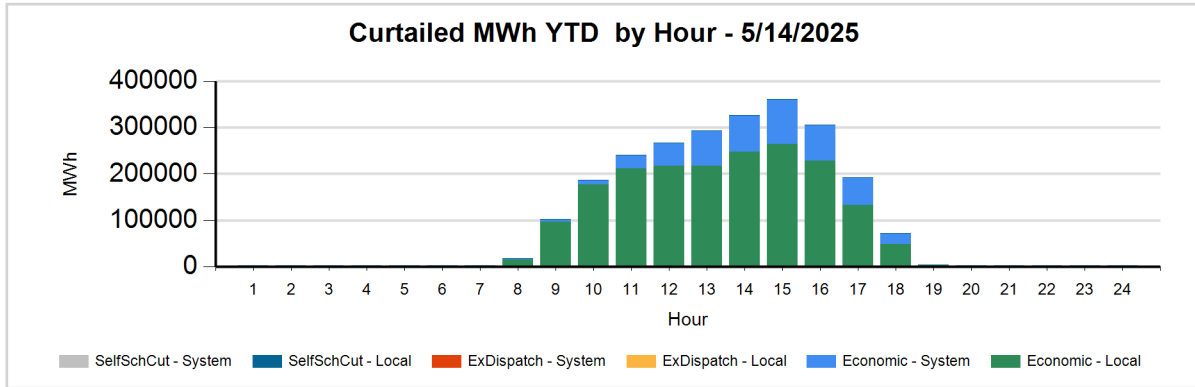
³Congestion occurs when available, least-cost energy cannot be delivered to some loads because transmission facilities do not have sufficient capacity to deliver the energy.

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

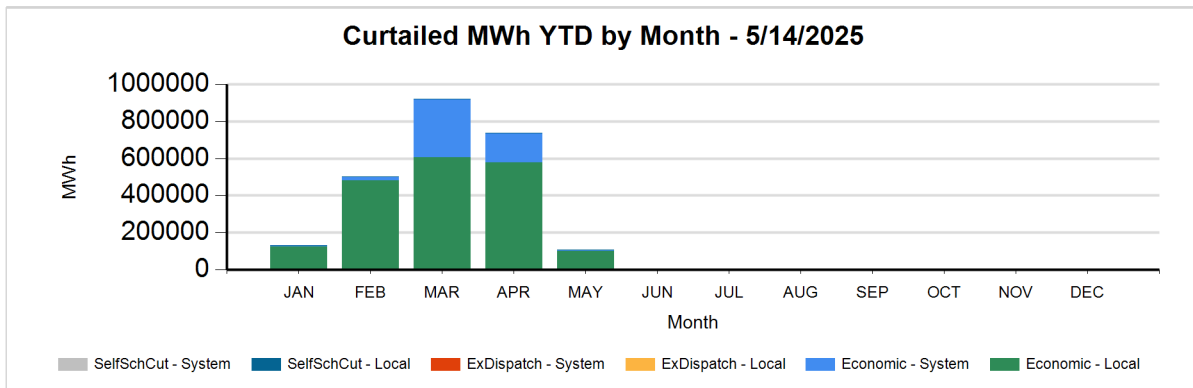
The following charts show the daily and 7-day wind and solar curtailment by category, if any.



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 - 5/14/2025
LocalEconomic	1,889,627
LocalSelfSchCut	883
SystemEconomic	507,314
TOTAL	2,397,824

Data used to produce hourly chart

DATE	HOUR	CURT TYPE	REASON	FUEL TYPE	CURTAILED MWH	CURTAILED MW
05/14	1	Economic	Local	WIND	13	21
05/14	2	Economic	Local	WIND	11	27
05/14	3	Economic	Local	WIND	8	17
05/14	7	Economic	Local	SOLR	0	5
05/14	7	Economic	Local	WIND	0	2
05/14	8	Economic	Local	SOLR	340	1131
05/14	8	Economic	Local	WIND	76	197
05/14	8	Economic	System	SOLR	0	
05/14	9	Economic	Local	SOLR	1352	1935
05/14	9	Economic	Local	WIND	163	135
05/14	9	Economic	System	SOLR	0	2
05/14	10	Economic	Local	SOLR	2117	2521
05/14	10	Economic	Local	WIND	112	99
05/14	10	SelfSchCut	Local	SOLR	1	
05/14	11	Economic	Local	SOLR	2063	2165
05/14	11	Economic	Local	WIND	79	81
05/14	11	Economic	System	WIND	0	
05/14	11	SelfSchCut	Local	SOLR	2	
05/14	12	Economic	Local	SOLR	2131	2144
05/14	12	Economic	Local	WIND	46	57
05/14	12	Economic	System	SOLR	238	506
05/14	12	Economic	System	WIND	7	14
05/14	12	SelfSchCut	Local	SOLR	7	10
05/14	13	Economic	Local	SOLR	2599	3024
05/14	13	Economic	Local	WIND	104	108
05/14	13	Economic	System	SOLR	555	922
05/14	13	Economic	System	WIND	7	6
05/14	13	SelfSchCut	Local	SOLR	6	11
05/14	14	Economic	Local	SOLR	3845	3746
05/14	14	Economic	Local	WIND	132	127
05/14	14	Economic	System	SOLR	860	1325

05/14	14	Economic	System	WIND	3	6
05/14	14	SelfSchCut	Local	SOLR	7	
05/14	15	Economic	Local	SOLR	3948	4147
05/14	15	Economic	Local	WIND	175	149
05/14	15	Economic	System	SOLR	316	565
05/14	15	Economic	System	WIND	3	1
05/14	15	SelfSchCut	Local	SOLR	7	11
05/14	16	Economic	Local	SOLR	3661	4313
05/14	16	Economic	Local	WIND	222	230
05/14	16	Economic	System	SOLR	213	221
05/14	16	Economic	System	WIND	4	
05/14	16	SelfSchCut	Local	SOLR	1	8
05/14	17	Economic	Local	SOLR	2904	3871
05/14	17	Economic	Local	WIND	258	242
05/14	17	Economic	System	SOLR	231	440
05/14	17	Economic	System	WIND	4	11
05/14	17	SelfSchCut	Local	SOLR	0	2
05/14	18	Economic	Local	SOLR	1183	2329
05/14	18	Economic	Local	WIND	251	332
05/14	18	Economic	System	SOLR	72	131
05/14	18	Economic	System	WIND	6	
05/14	19	Economic	Local	SOLR	49	238
05/14	19	Economic	Local	WIND	61	255
05/14	20	Economic	Local	SOLR	1	
05/14	20	Economic	System	SOLR	5	22
05/14	21	Economic	Local	WIND	4	19

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.

