

Wind and Solar Curtailment March 20, 2024

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:

- 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 oversupply.
- 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.

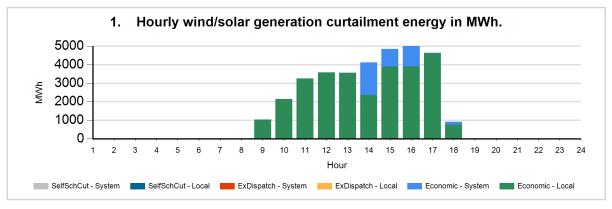
³Congestion occurs when available, least-cost energy cannot be delivered to some loads because transmission facilities do not have sufficient capacity to deliver the energy.

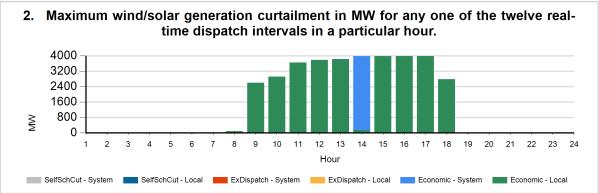
For more information on oversupply conditions, please see: https://www.caiso.com/Documents/FlexibleResourcesHelpRenewables FastFacts.pdf

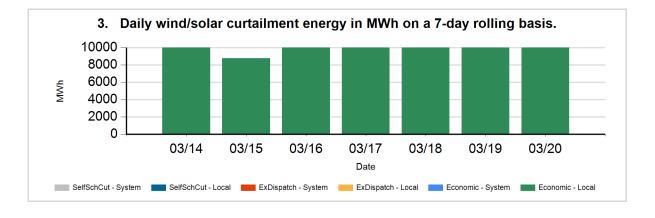
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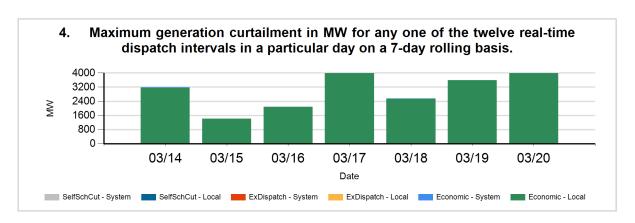


The following charts show the daily and 7-day rolling wind and solar curtailment by category, if any.









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Data used to produce hourly charts

CURTAILED MW	CURTAILED MWH	FUEL TYPE	REASON	CURT TYPE	HOUR	DATE
9	1	WIND	Local	Economic	5	03/20
86	8	SOLR	Local	Economic	8	03/20
2450	985	SOLR	Local	Economic	9	03/20
154	60	WIND	Local	Economic	9	03/20
	0	SOLR	System	Economic	9	03/20
2915	2106	SOLR	Local	Economic	10	03/20
9	43	WIND	Local	Economic	10	03/20
3470	3143	SOLR	Local	Economic	11	03/20
187	111	WIND	Local	Economic	11	03/20
3659	3455	SOLR	Local	Economic	12	03/20
122	124	WIND	Local	Economic	12	03/20
	0	WIND	System	Economic	12	03/20
3665	3415	SOLR	Local	Economic	13	03/20
164	133	WIND	Local	Economic	13	03/20
10	11	WIND	System	Economic	13	03/20
127	2259	SOLR	Local	Economic	14	03/20
	98	WIND	Local	Economic	14	03/20
3881	1575	SOLR	System	Economic	14	03/20
469	180	WIND	System	Economic	14	03/20
4653	3711	SOLR	Local	Economic	15	03/20
215	186	WIND	Local	Economic	15	03/20
17	729	SOLR	System	Economic	15	03/20
293	222	WIND	System	Economic	15	03/20
5436	3645	SOLR	Local	Economic	16	03/20
360	238	WIND	Local	Economic	16	03/20
	1092	SOLR	System	Economic	16	03/20
	185	WIND	System	Economic	16	03/20
5294	4338	SOLR	Local	Economic	17	03/20
344	297	WIND	Local	Economic	17	03/20



03/20	17 Economic	System	WIND	3	10
03/20	18 Economic	Local	SOLR	698	2502
03/20	18 Economic	Local	WIND	60	278
03/20	18 Economic	System	SOLR	136	
03/20	18 Economic	System	WIND	22	

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 Hong Zhou at hzhou@caiso.com.

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