

Wind and Solar Curtailment February 28, 2017

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.
- Economic System: Market dispatch of generators with economic bids to mitigate systemwide 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.

CAISO/HZ 1 February 28, 2017

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.

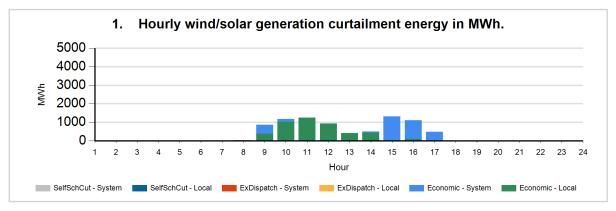
²The Renewables Watch report provides daily actual renewable production within the ISO grid. It is available at: http://www.caiso.com/green/renewableswatch.html.

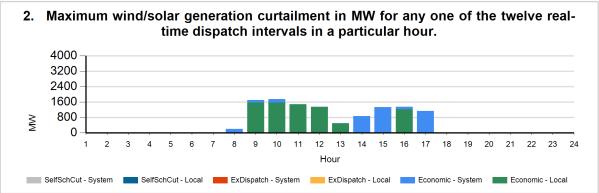
³Congestion occurs when available, least-cost energy cannot be delivered to some loads because transmission facilities do not have sufficient capacity to deliver the energy.

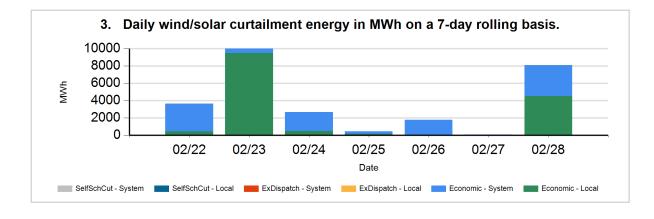
⁴For more information on oversupply conditions, please see: https://www.caiso.com/Documents/FlexibleResourcesHelpRenewables FastFacts.pdf

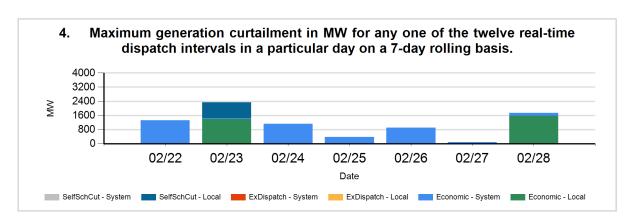


The following charts show the daily and 7-day rolling wind and solar curtailment by category, if any.









CAISO/HZ 2 February 28, 2017



Data used to produce hourly charts



CURTAILED MW	CURTAILED MWH	FUEL TYPE	REASON	CURT TYPE	HOUR	DATE
	5	SOLR	Local	Economic	8	02/28
123	14	SOLR	System	Economic	8	02/28
77	12	WIND	System	Economic	8	02/28
1227	288	SOLR	Local	Economic	9	02/28
341	90	WIND	Local	Economic	9	02/28
129	428	SOLR	System	Economic	9	02/28
9	54	WIND	System	Economic	9	02/28
1193	856	SOLR	Local	Economic	10	02/28
381	164	WIND	Local	Economic	10	02/28
160	156	SOLR	System	Economic	10	02/28
g	7	WIND	System	Economic	10	02/28
1127	1079	SOLR	Local	Economic	11	02/28
357	154	WIND	Local	Economic	11	02/28
	0	SOLR	System	Economic	11	02/28
	5	SOLR	Local	SelfSchCut	11	02/28
1113	848	SOLR	Local	Economic	12	02/28
241	77	WIND	Local	Economic	12	02/28
461	393	SOLR	Local	Economic	13	02/28
33	28	WIND	Local	Economic	13	02/28
2	0	SOLR	System	Economic	13	02/28
	404	SOLR	Local	Economic	14	02/28
	21	WIND	Local	Economic	14	02/28
849	72	SOLR	System	Economic	14	02/28
24	2	WIND	System	Economic	14	02/28
1261	1232	SOLR	System	Economic	15	02/28
80	77	WIND	System	Economic	15	02/28
1078	90	SOLR	Local	Economic	16	02/28
146	12	WIND	Local	Economic	16	02/28
127	964	SOLR	System	Economic	16	02/28
2	47	WIND	System	Economic	16	02/28
1006	433	SOLR	System	Economic	17	02/28
133	55	WIND	System	Economic	17	02/28
2	1	SOLR	System	Economic	18	02/28



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.

CAISO/HZ 5 February 28, 2017