

## Wind and Solar Curtailment June 12, 2022

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 congestion<sup>3</sup>.
- 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.

<sup>1</sup>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.

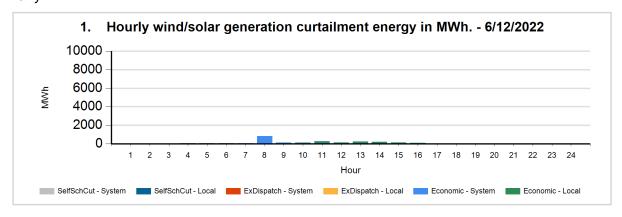
<sup>2</sup>The Renewables Watch report provides daily actual renewable production within the ISO grid. It is available at: <a href="http://www.caiso.com/green/renewableswatch.html">http://www.caiso.com/green/renewableswatch.html</a>.

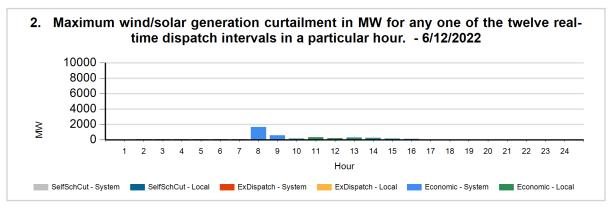
<sup>3</sup>Congestion occurs when available, least-cost energy cannot be delivered to some loads because transmission facilities do not have sufficient capacity to deliver the energy.

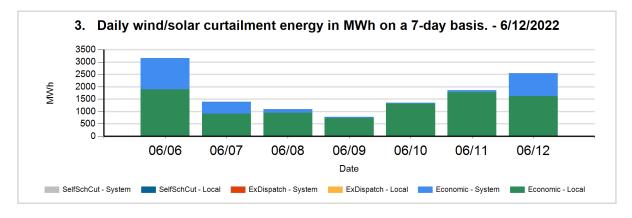
For more information on oversupply conditions, please see: https://www.caiso.com/Documents/FlexibleResourcesHelpRenewables FastFacts.pdf

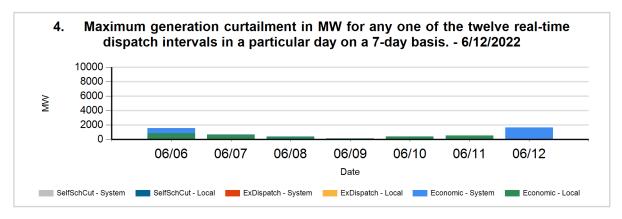


The following charts show the daily and 7-day wind and solar curtailment by category, if any.



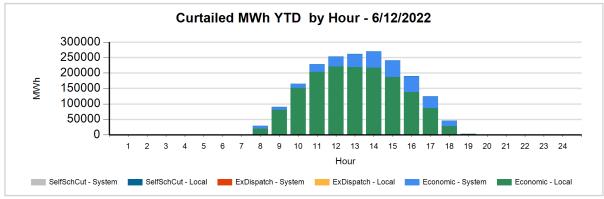




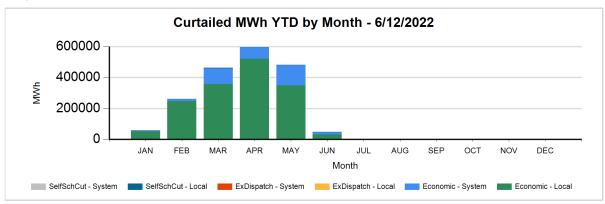




The following charts show hourly year to date wind and solar curtailment by category, if any.



The following charts show monthly year to date wind and solar curtailment by category, if any.



TYPE	YTD CURTAILED MWH - 6/12/2022
LocalEconomic	1,553,334
LocalSelfSchCut	4,997
SystemEconomic	349,654
TOTAL	1,907,985



## Data used to produce hourly chart

DATE	HOU R	CURT TYPE	REASON	FUEL TYPE	CURTAILED MWH	CURTAILED MW
06/12	2	Economic	Local	WIND	26	80
06/12	3	Economic	Local	WIND	45	73
06/12	4	Economic	Local	WIND	67	70
06/12	5	Economic	Local	WIND	69	70
06/12	6	Economic	Local	WIND	63	68
06/12	7	Economic	Local	WIND	55	54
06/12	7	Economic	System	SOLR	2	10
06/12	8	Economic	Local	SOLR	12	21
06/12	8	Economic	Local	WIND	17	2
06/12	8	Economic	System	SOLR	774	1576
06/12	8	Economic	System	WIND	26	55
06/12	9	Economic	Local	SOLR	64	42
06/12	9	Economic	Local	WIND	3	2
06/12	9	Economic	System	SOLR	46	480
06/12	9	Economic	System	WIND	6	54
06/12	10	Economic	Local	SOLR	119	101
06/12	10	Economic	Local	WIND	4	4
06/12	10	Economic	System	SOLR	17	66
06/12	11	Economic	Local	SOLR	242	336
06/12	11	Economic	Local	WIND	5	4
06/12	11	Economic	System	SOLR	8	
06/12	11	SelfSchCut	Local	SOLR	1	
06/12	12	Economic	Local	SOLR	131	190
06/12	12	Economic	Local	WIND	4	4
06/12	12	SelfSchCut	Local	SOLR	1	
06/12	13	Economic	Local	SOLR	117	111
06/12	13	Economic	Local	WIND	99	103
06/12	13	Economic	System	SOLR	20	51
06/12	13	SelfSchCut	Local	SOLR	6	10
06/12	14	Economic	Local	SOLR	103	119
06/12	14	Economic	Local	WIND	100	102



06/12	14	Economic	System	SOLR	2	2
06/12	14	SelfSchCut	Local	SOLR	3	4
06/12	15	Economic	Local	SOLR	27	53
06/12	15	Economic	Local	WIND	95	97
06/12	15	Economic	System	SOLR	0	2
06/12	15	SelfSchCut	Local	SOLR	2	
06/12	16	Economic	Local	SOLR	9	15
06/12	16	Economic	Local	WIND	79	94
06/12	16	Economic	System	SOLR	0	3
06/12	16	SelfSchCut	Local	SOLR	0	
06/12	17	Economic	Local	SOLR	21	19
06/12	17	Economic	Local	WIND	6	22
06/12	17	Economic	System	SOLR	0	
06/12	18	Economic	Local	SOLR	24	26
06/12	18	Economic	Local	WIND	4	4
06/12	18	Economic	System	SOLR	0	4
06/12	19	Economic	Local	SOLR	10	17
06/12	19	Economic	Local	WIND	3	4
06/12	19	Economic	System	SOLR	0	
06/12	20	Economic	System	SOLR	0	2
06/12	22	Economic	Local	WIND	1	5

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.