

## Wind and Solar Curtailment June 15, 2024

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

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<sup>4</sup>.
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.

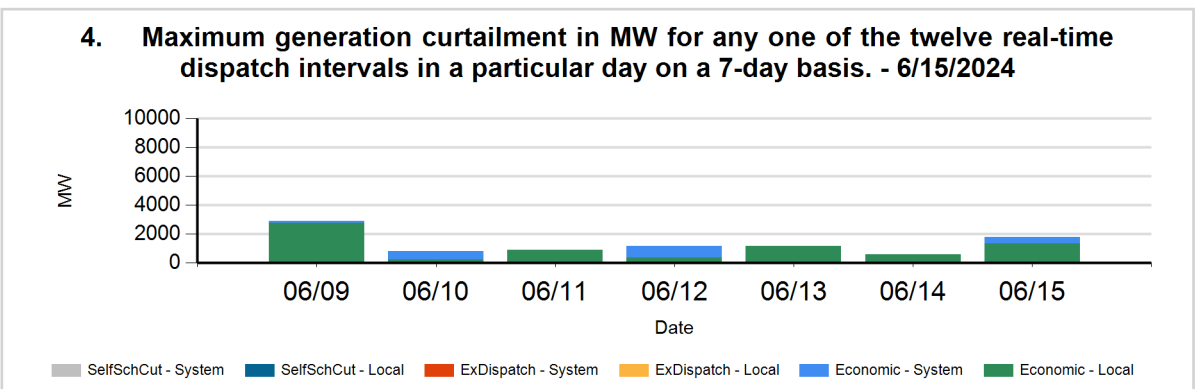
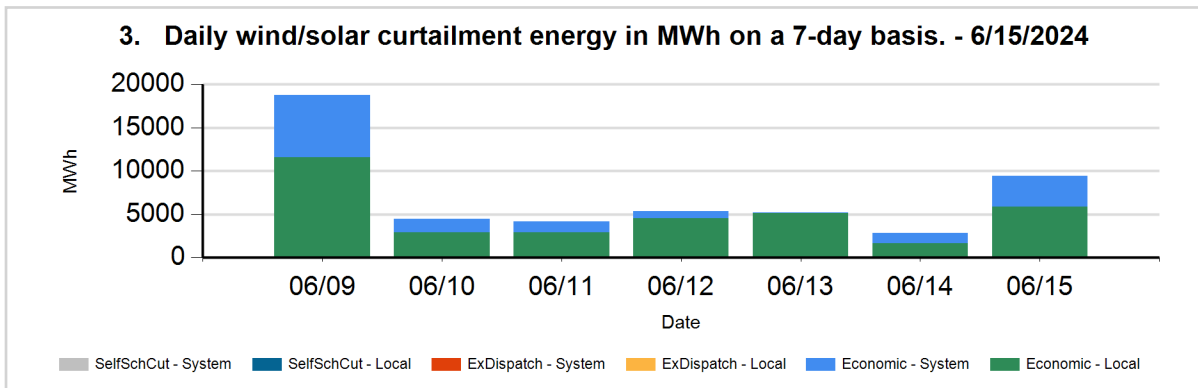
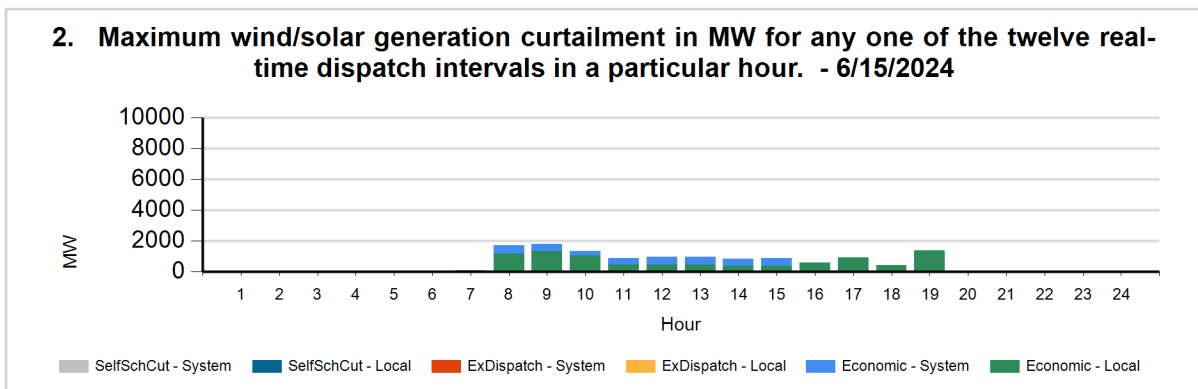
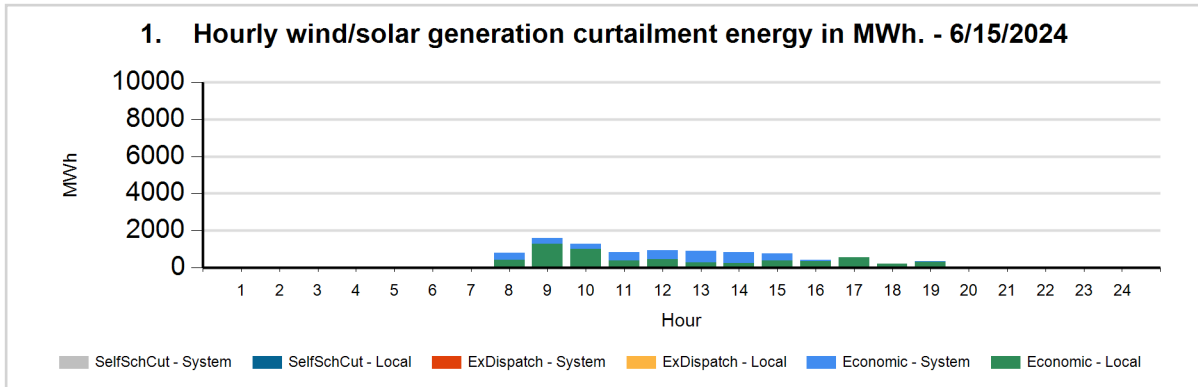
<sup>1</sup>Only wind and solar resources can be reported in this manner because these resources have a forecast. Curtailment is defined as the difference between actual production and the forecast when actual production is less than the forecast.

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

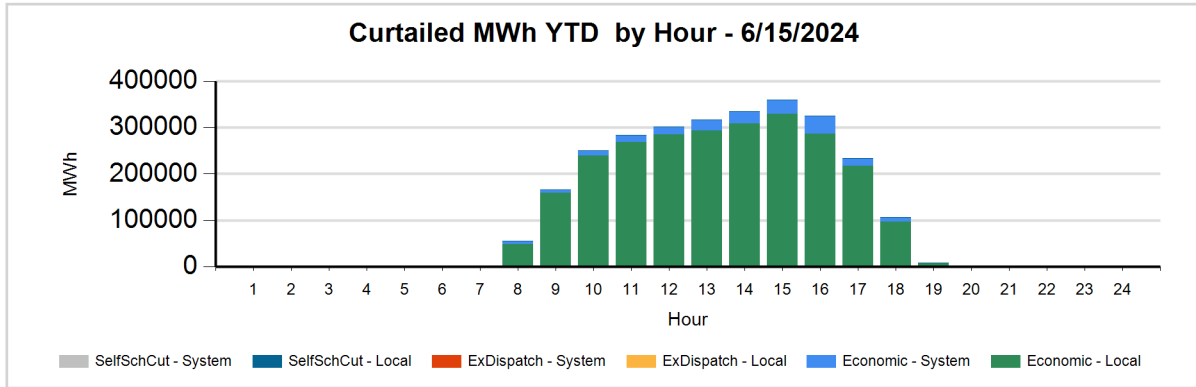
<sup>3</sup>Congestion occurs when available, least-cost energy cannot be delivered to some loads because transmission facilities do not have sufficient capacity to deliver the energy.

<sup>4</sup>For more information on oversupply conditions, please see: [http://www.caiso.com/Documents/FlexibleResourcesHelpRenewables\\_FastFacts.pdf](http://www.caiso.com/Documents/FlexibleResourcesHelpRenewables_FastFacts.pdf)

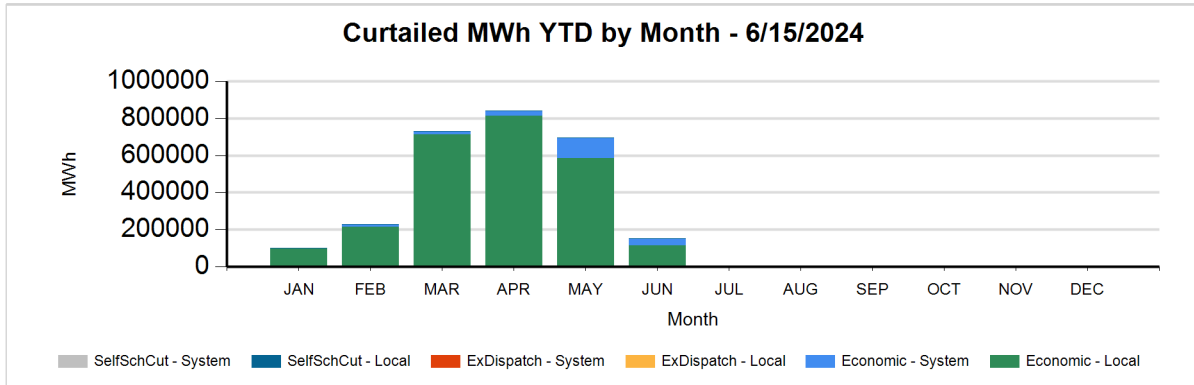
The following charts show the daily and 7-day wind and solar curtailment by category, if any.



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 - 6/15/2024
LocalEconomic	2,540,331
LocalSelfSchCut	1,572
SystemEconomic	206,555
TOTAL	2,748,458

### Data used to produce hourly chart

DATE	HOUR	CURT TYPE	REASON	FUEL TYPE	CURTAILED MWH	CURTAILED MW
06/15	7	Economic	Local	SOLR	17	73
06/15	7	Economic	System	SOLR	2	
06/15	8	Economic	Local	SOLR	402	1176
06/15	8	Economic	Local	WIND	11	
06/15	8	Economic	System	SOLR	287	347
06/15	8	Economic	System	WIND	99	174
06/15	9	Economic	Local	SOLR	1262	1322
06/15	9	Economic	Local	WIND	22	
06/15	9	Economic	System	SOLR	204	269
06/15	9	Economic	System	WIND	116	192
06/15	10	Economic	Local	SOLR	985	1041
06/15	10	Economic	Local	WIND	20	
06/15	10	Economic	System	SOLR	154	175
06/15	10	Economic	System	WIND	114	129
06/15	11	Economic	Local	SOLR	385	442
06/15	11	Economic	System	SOLR	327	320
06/15	11	Economic	System	WIND	119	128
06/15	12	Economic	Local	SOLR	426	464
06/15	12	Economic	Local	WIND	13	
06/15	12	Economic	System	SOLR	346	325
06/15	12	Economic	System	WIND	135	150
06/15	13	Economic	Local	SOLR	257	465
06/15	13	Economic	System	SOLR	497	321
06/15	13	Economic	System	WIND	150	167
06/15	14	Economic	Local	SOLR	232	367
06/15	14	Economic	Local	WIND	0	
06/15	14	Economic	System	SOLR	444	320
06/15	14	Economic	System	WIND	149	148
06/15	15	Economic	Local	SOLR	378	366
06/15	15	Economic	Local	WIND	13	
06/15	15	Economic	System	SOLR	241	335

06/15	15	Economic	System	WIND	141	182
06/15	16	Economic	Local	SOLR	310	562
06/15	16	Economic	Local	WIND	16	7
06/15	16	Economic	System	SOLR	45	
06/15	16	Economic	System	WIND	28	
06/15	17	Economic	Local	SOLR	485	789
06/15	17	Economic	Local	WIND	70	137
06/15	18	Economic	Local	SOLR	195	380
06/15	18	Economic	Local	WIND	1	17
06/15	19	Economic	Local	SOLR	263	1196
06/15	19	Economic	Local	WIND	51	162
06/15	19	Economic	System	SOLR	11	
06/15	20	Economic	Local	SOLR	2	21
06/15	20	Economic	Local	WIND	1	
06/15	21	Economic	Local	WIND	6	13

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](mailto:ShortTermForecasting@caiso.com).