

## Wind and Solar Curtailment June 01, 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.

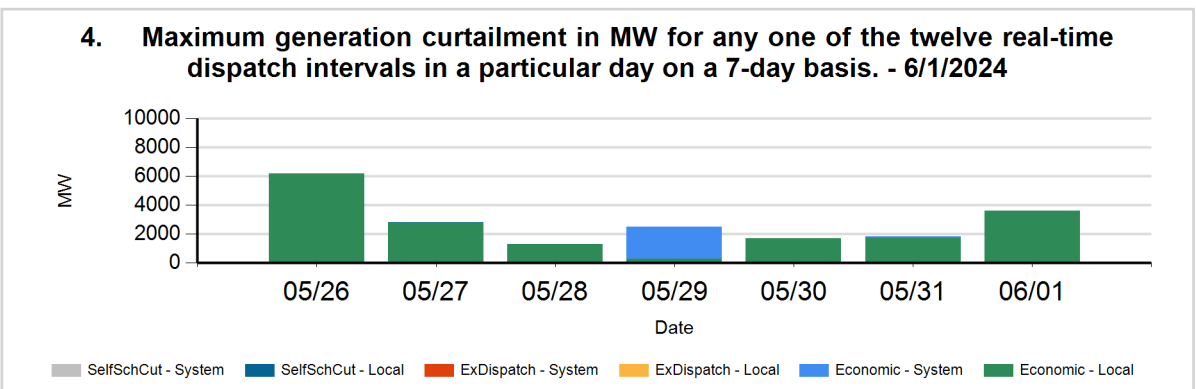
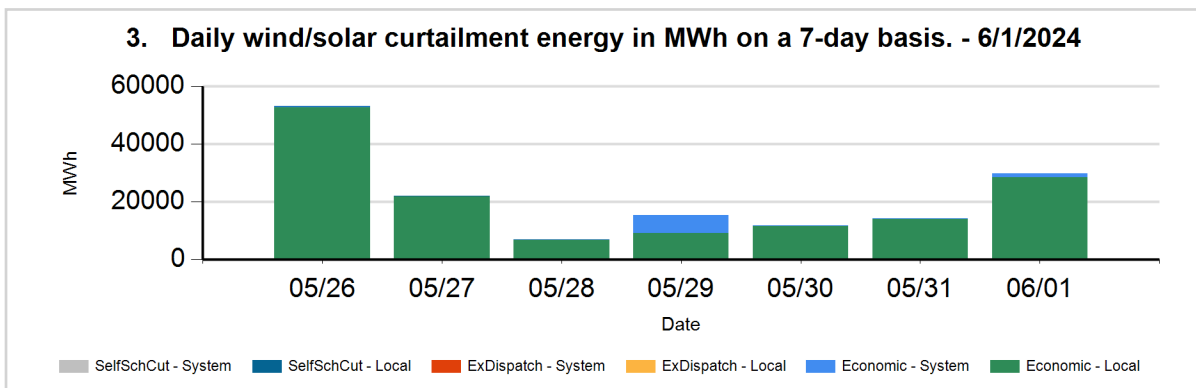
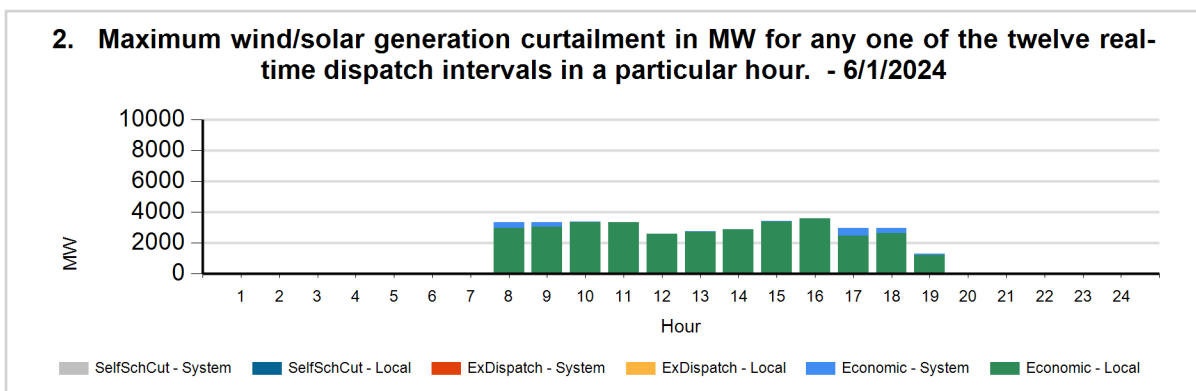
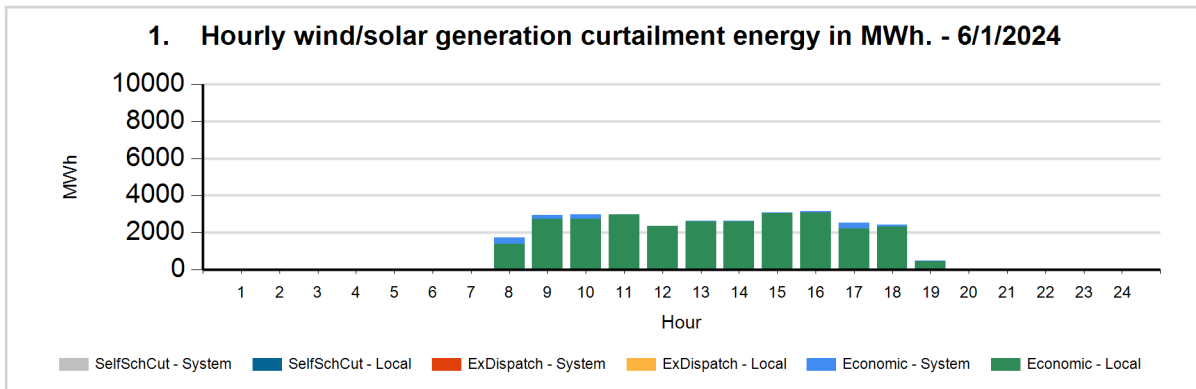
<sup>1</sup>Only wind and solar resources can be reported in this manner because these resources have a forecast. Curtailment is defined as the difference between actual production and the forecast when actual production is less than the forecast.

<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>.

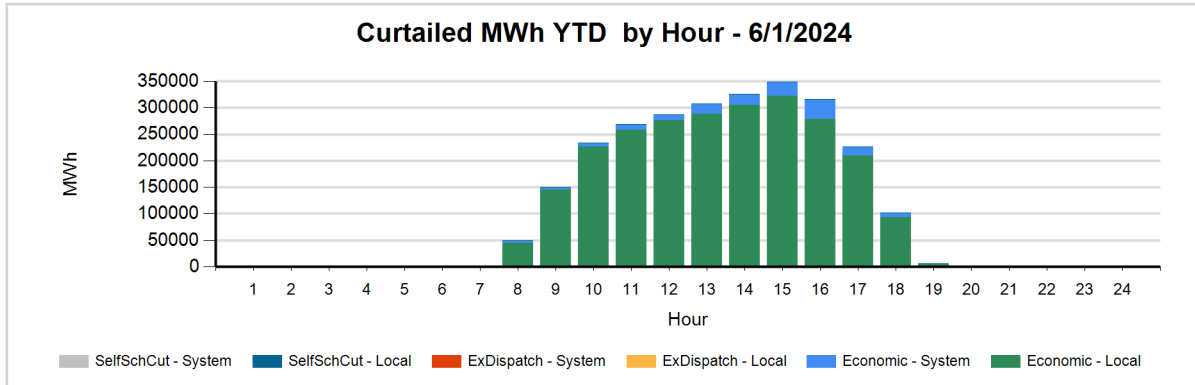
<sup>3</sup>Congestion occurs when available, least-cost energy cannot be delivered to some loads because transmission facilities do not have sufficient capacity to deliver the energy.

<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)

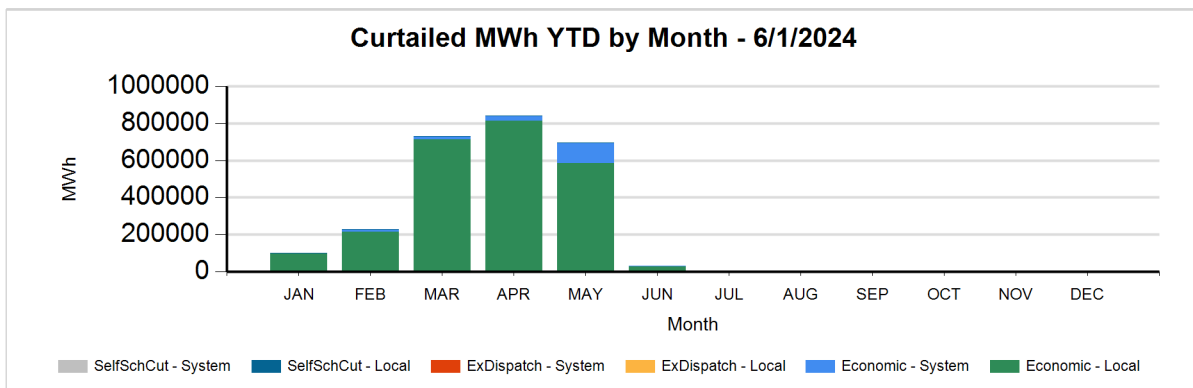
The following charts show the daily and 7-day wind and solar curtailment by category, if any.



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 - 6/1/2024
LocalEconomic	2,454,611
LocalSelfSchCut	1,537
SystemEconomic	168,822
TOTAL	2,624,971

### Data used to produce hourly chart

DATE	HOUR	CURT TYPE	REASON	FUEL TYPE	CURTAILED MWH	CURTAILED MW
06/01	7	Economic	Local	SOLR	7	55
06/01	7	Economic	System	SOLR	0	
06/01	8	Economic	Local	SOLR	1245	2730
06/01	8	Economic	Local	WIND	136	242
06/01	8	Economic	System	SOLR	277	346
06/01	8	Economic	System	WIND	54	
06/01	9	Economic	Local	SOLR	2578	2728
06/01	9	Economic	Local	WIND	155	302
06/01	9	Economic	System	SOLR	173	299
06/01	9	Economic	System	WIND	19	
06/01	10	Economic	Local	SOLR	2603	3233
06/01	10	Economic	Local	WIND	137	138
06/01	10	Economic	System	SOLR	195	5
06/01	10	Economic	System	WIND	23	
06/01	11	Economic	Local	SOLR	2834	3194
06/01	11	Economic	Local	WIND	144	154
06/01	12	Economic	Local	SOLR	2201	2406
06/01	12	Economic	Local	WIND	154	156
06/01	13	Economic	Local	SOLR	2382	2483
06/01	13	Economic	Local	WIND	198	220
06/01	13	Economic	System	SOLR	18	21
06/01	13	Economic	System	WIND	13	21
06/01	14	Economic	Local	SOLR	2421	2667
06/01	14	Economic	Local	WIND	212	217
06/01	14	Economic	System	SOLR	2	
06/01	14	Economic	System	WIND	2	
06/01	15	Economic	Local	SOLR	2848	3137
06/01	15	Economic	Local	WIND	201	248
06/01	15	Economic	System	SOLR	14	38
06/01	15	Economic	System	WIND	4	
06/01	16	Economic	Local	SOLR	2811	3356

06/01	16	Economic	Local	WIND	263	236
06/01	16	Economic	System	SOLR	67	
06/01	16	Economic	System	WIND	18	
06/01	17	Economic	Local	SOLR	1907	2147
06/01	17	Economic	Local	WIND	297	329
06/01	17	Economic	System	SOLR	240	385
06/01	17	Economic	System	WIND	82	110
06/01	18	Economic	Local	SOLR	2063	2299
06/01	18	Economic	Local	WIND	269	328
06/01	18	Economic	System	SOLR	64	245
06/01	18	Economic	System	WIND	24	99
06/01	19	Economic	Local	SOLR	401	1064
06/01	19	Economic	Local	WIND	52	128
06/01	19	Economic	System	SOLR	28	79
06/01	20	Economic	Local	SOLR	1	6

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).