

## Wind and Solar Curtailment May 26, 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.

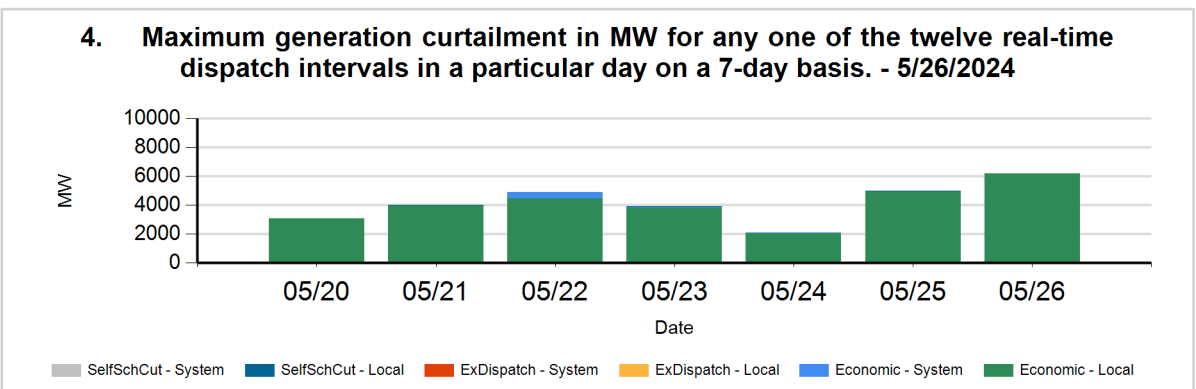
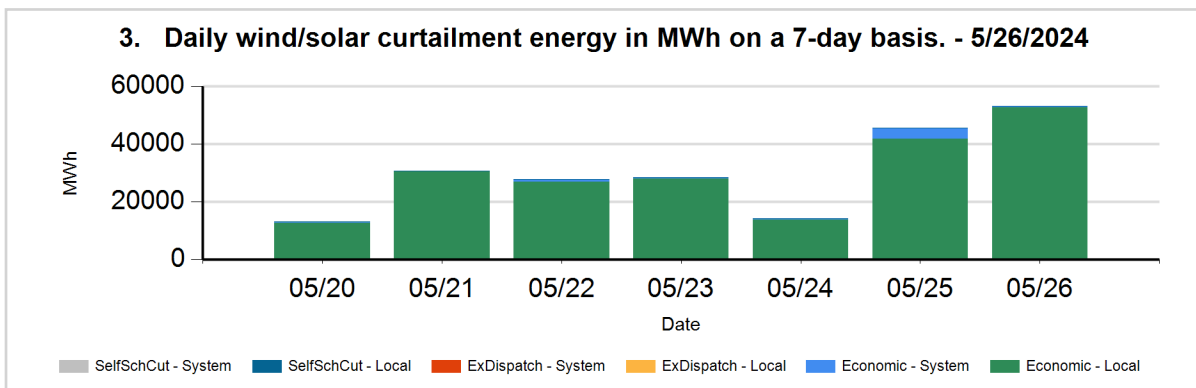
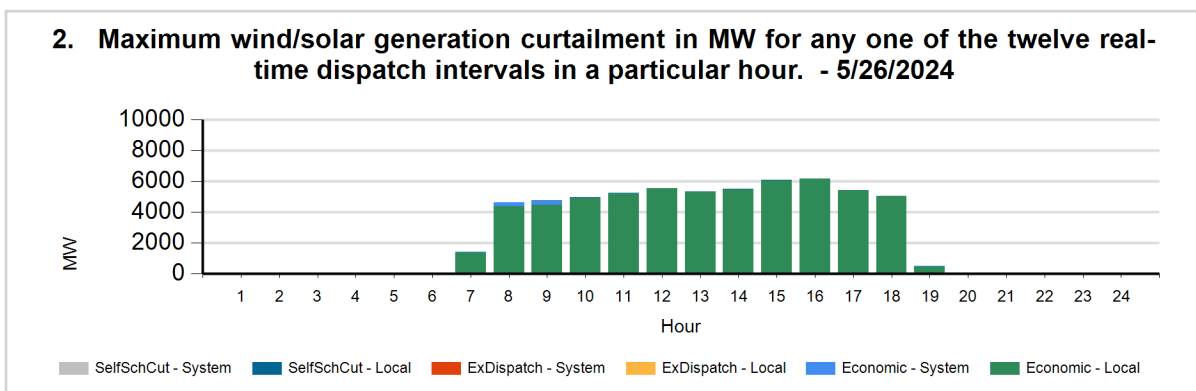
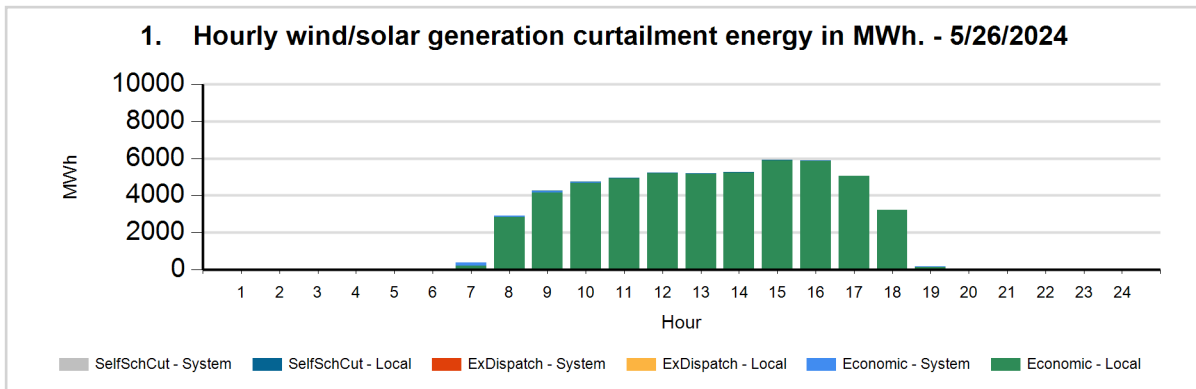
<sup>1</sup>Only wind and solar resources can be reported in this manner because these resources have a forecast. Curtailment is defined as the difference between actual production and the forecast when actual production is less than the forecast.

<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>.

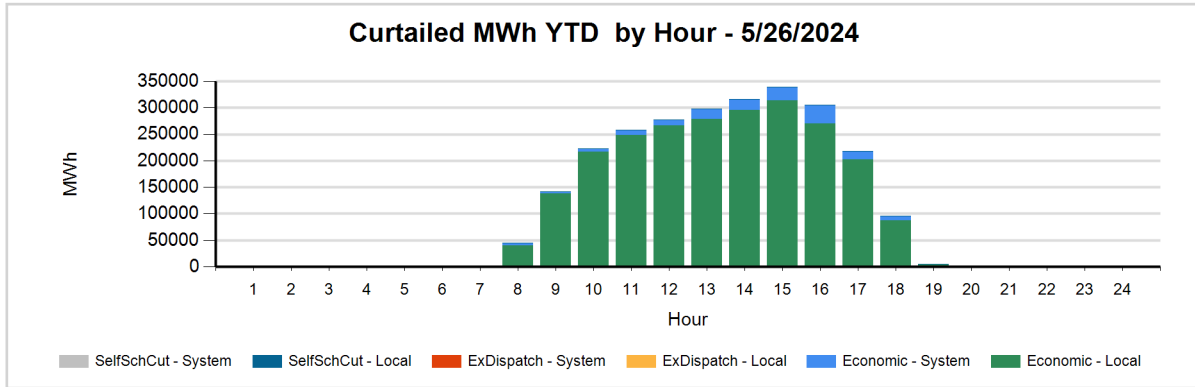
<sup>3</sup>Congestion occurs when available, least-cost energy cannot be delivered to some loads because transmission facilities do not have sufficient capacity to deliver the energy.

<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)

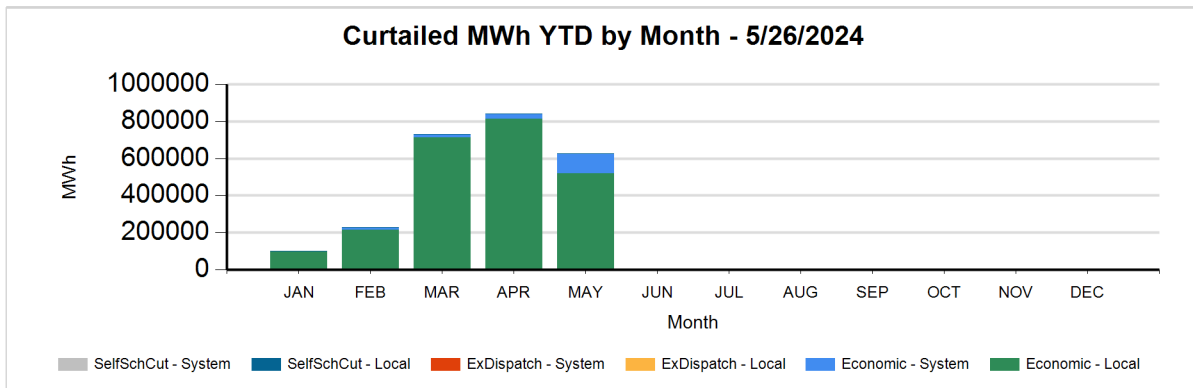
The following charts show the daily and 7-day wind and solar curtailment by category, if any.



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 - 5/26/2024
LocalEconomic	2,362,365
LocalSelfSchCut	1,530
SystemEconomic	160,892
TOTAL	2,524,786

### Data used to produce hourly chart

DATE	HOUR	CURT TYPE	REASON	FUEL TYPE	CURTAILED MWH	CURTAILED MW
05/26	7	Economic	Local	SOLR	194	1234
05/26	7	Economic	Local	WIND	24	145
05/26	7	Economic	System	SOLR	155	
05/26	7	Economic	System	WIND	13	23
05/26	8	Economic	Local	SOLR	2639	4171
05/26	8	Economic	Local	WIND	207	224
05/26	8	Economic	System	SOLR	43	231
05/26	8	Economic	System	WIND	18	20
05/26	9	Economic	Local	SOLR	3997	4274
05/26	9	Economic	Local	WIND	170	182
05/26	9	Economic	System	SOLR	56	239
05/26	9	Economic	System	WIND	26	42
05/26	9	SelfSchCut	Local	SOLR	1	2
05/26	10	Economic	Local	SOLR	4544	4827
05/26	10	Economic	Local	WIND	160	140
05/26	10	Economic	System	SOLR	12	
05/26	10	Economic	System	WIND	5	2
05/26	10	SelfSchCut	Local	SOLR	2	4
05/26	11	Economic	Local	SOLR	4761	5008
05/26	11	Economic	Local	WIND	168	223
05/26	11	Economic	System	WIND	0	2
05/26	11	SelfSchCut	Local	SOLR	1	
05/26	12	Economic	Local	SOLR	4982	5313
05/26	12	Economic	Local	WIND	232	243
05/26	12	SelfSchCut	Local	SOLR	2	
05/26	13	Economic	Local	SOLR	4964	5085
05/26	13	Economic	Local	WIND	228	236
05/26	13	SelfSchCut	Local	SOLR	2	
05/26	14	Economic	Local	SOLR	4985	5250
05/26	14	Economic	Local	WIND	257	258
05/26	14	SelfSchCut	Local	SOLR	3	5

05/26	15	Economic	Local	SOLR	5567	5735
05/26	15	Economic	Local	WIND	337	342
05/26	15	SelfSchCut	Local	SOLR	2	5
05/26	16	Economic	Local	SOLR	5477	5792
05/26	16	Economic	Local	WIND	404	387
05/26	16	SelfSchCut	Local	SOLR	1	
05/26	17	Economic	Local	SOLR	4590	4980
05/26	17	Economic	Local	WIND	466	455
05/26	18	Economic	Local	SOLR	2857	4501
05/26	18	Economic	Local	WIND	370	557
05/26	19	Economic	Local	SOLR	156	468
05/26	19	Economic	System	SOLR	5	11
05/26	19	Economic	System	WIND	4	15
05/26	20	Economic	Local	SOLR	2	22
05/26	20	Economic	System	SOLR	1	

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).