

Wind and Solar Curtailment June 11, 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 congestion³.
2. Economic - System: Market dispatch of generators with economic bids to mitigate system-wide 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.

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.

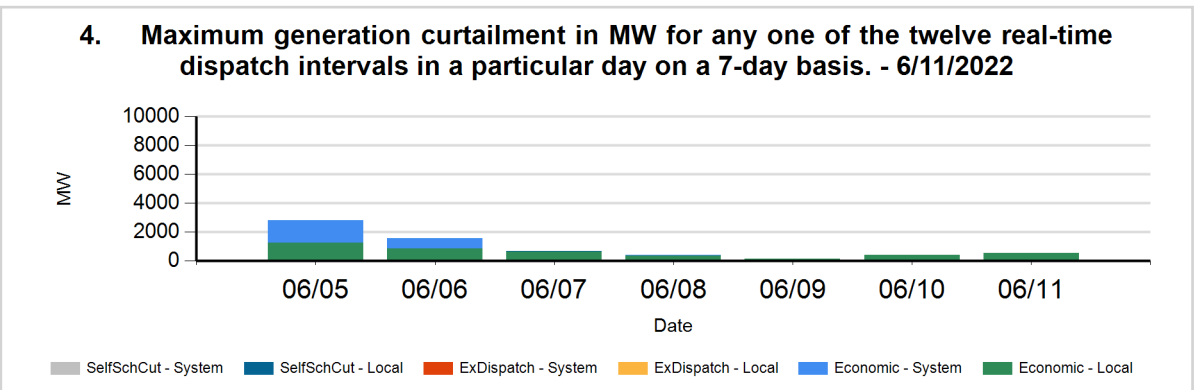
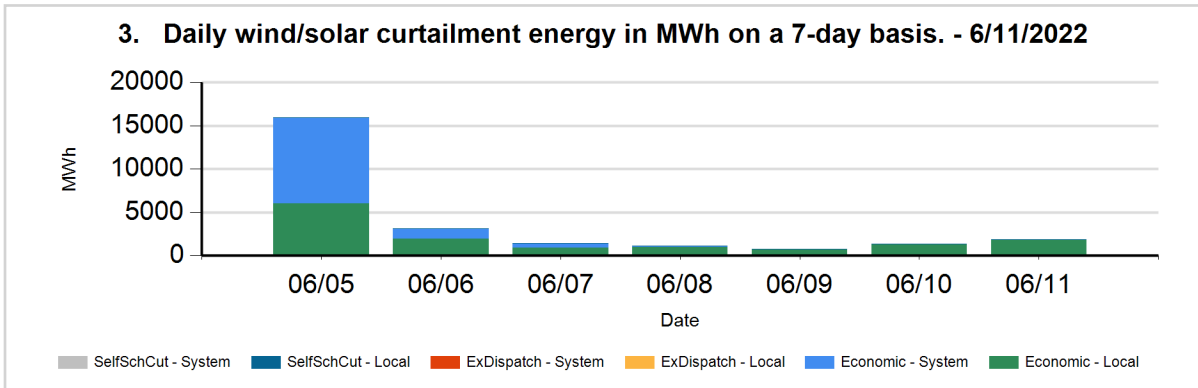
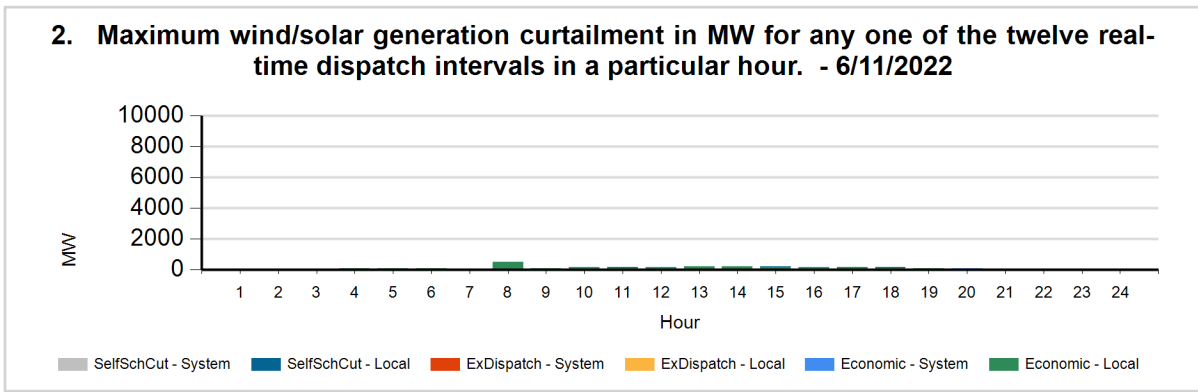
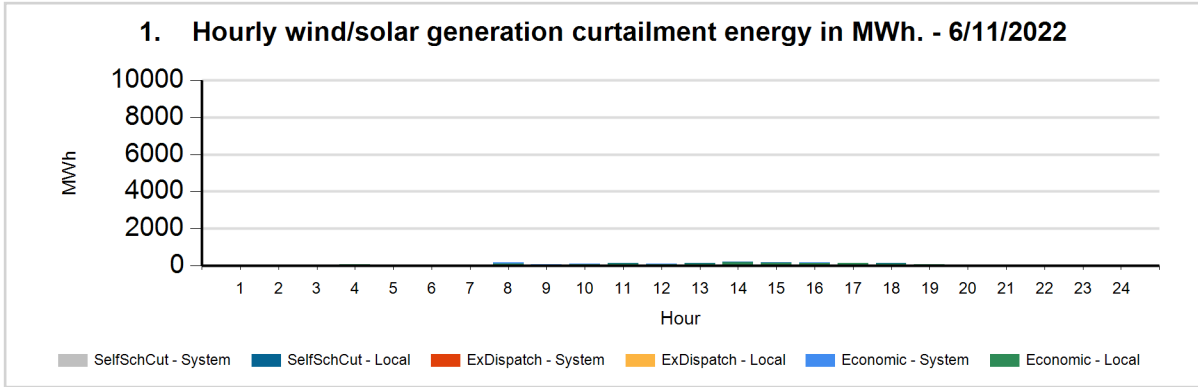
²The Renewables Watch report provides daily actual renewable production within the ISO grid. It is available at: <http://www.caiso.com/green/renewableswatch.html>.

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.

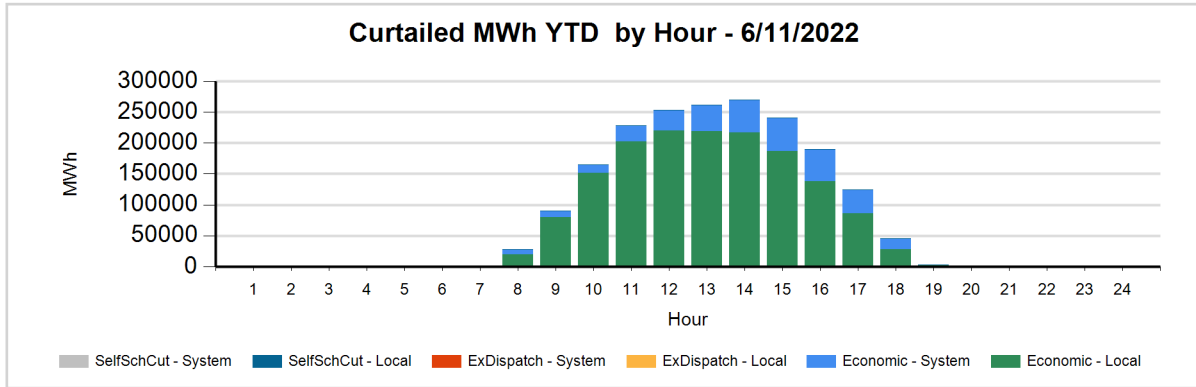
⁴For more information on oversupply conditions, please see:

https://www.caiso.com/Documents/FlexibleResourcesHelpRenewables_FastFacts.pdf

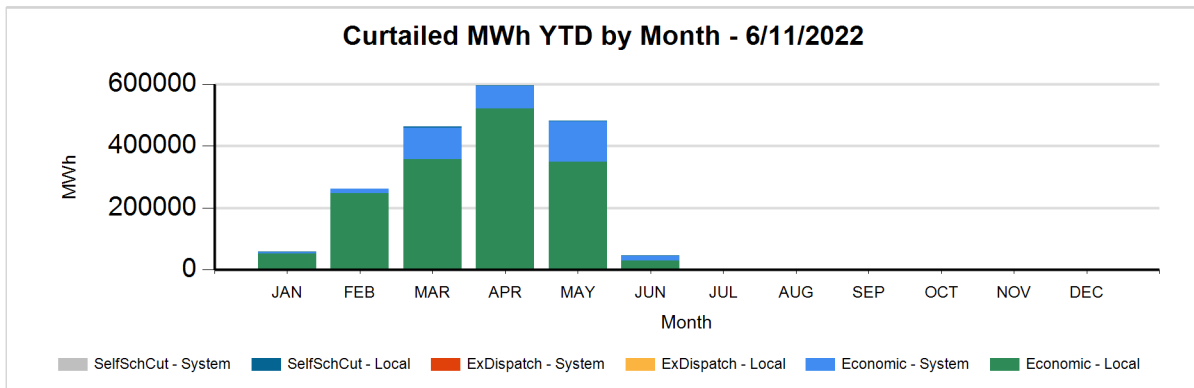
The following charts show the daily and 7-day wind and solar curtailment by category, if any.



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 - 6/11/2022
LocalEconomic	1,551,712
LocalSelfSchCut	4,983
SystemEconomic	348,751
TOTAL	1,905,446

Data used to produce hourly chart

DATE	HOUR	CURT TYPE	REASON	FUEL TYPE	CURTAILED MWH	CURTAILED MW
06/11	1	Economic	Local	WIND	0	3
06/11	3	Economic	Local	WIND	7	25
06/11	4	Economic	Local	WIND	50	89
06/11	5	Economic	Local	WIND	32	68
06/11	6	Economic	Local	WIND	32	67
06/11	7	Economic	System	SOLR	5	17
06/11	8	Economic	Local	SOLR	63	477
06/11	8	Economic	Local	WIND	35	35
06/11	8	Economic	System	SOLR	56	
06/11	8	Economic	System	WIND	5	
06/11	9	Economic	Local	SOLR	81	87
06/11	9	Economic	System	SOLR	1	
06/11	10	Economic	Local	SOLR	96	92
06/11	10	Economic	Local	WIND	16	53
06/11	10	Economic	System	SOLR	1	8
06/11	11	Economic	Local	SOLR	87	87
06/11	11	Economic	Local	WIND	43	62
06/11	11	Economic	System	SOLR	1	
06/11	11	SelfSchCut	Local	SOLR	1	3
06/11	12	Economic	Local	SOLR	81	82
06/11	12	Economic	Local	WIND	17	76
06/11	12	Economic	System	SOLR	1	1
06/11	13	Economic	Local	SOLR	100	101
06/11	13	Economic	Local	WIND	19	83
06/11	13	Economic	System	SOLR	2	
06/11	13	SelfSchCut	Local	SOLR	4	
06/11	14	Economic	Local	SOLR	112	126
06/11	14	Economic	Local	WIND	81	79
06/11	14	SelfSchCut	Local	SOLR	2	
06/11	15	Economic	Local	SOLR	98	103
06/11	15	Economic	Local	WIND	79	80

06/11	15	SelfSchCut	Local	SOLR	4	5
06/11	16	Economic	Local	SOLR	74	76
06/11	16	Economic	Local	WIND	80	80
06/11	16	Economic	System	SOLR	1	8
06/11	17	Economic	Local	SOLR	58	71
06/11	17	Economic	Local	WIND	80	80
06/11	18	Economic	Local	SOLR	48	75
06/11	18	Economic	Local	WIND	78	79
06/11	18	SelfSchCut	Local	SOLR	3	1
06/11	19	Economic	Local	SOLR	7	14
06/11	19	Economic	Local	WIND	54	75
06/11	19	Economic	System	SOLR	0	
06/11	20	Economic	Local	SOLR	2	
06/11	20	Economic	Local	WIND	38	60
06/11	20	Economic	System	SOLR	0	3
06/11	21	Economic	Local	WIND	32	53
06/11	22	Economic	Local	WIND	40	44
06/11	23	Economic	Local	WIND	47	54
06/11	24	Economic	Local	WIND	4	50

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.