

Wind and Solar Curtailment March 13, 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.

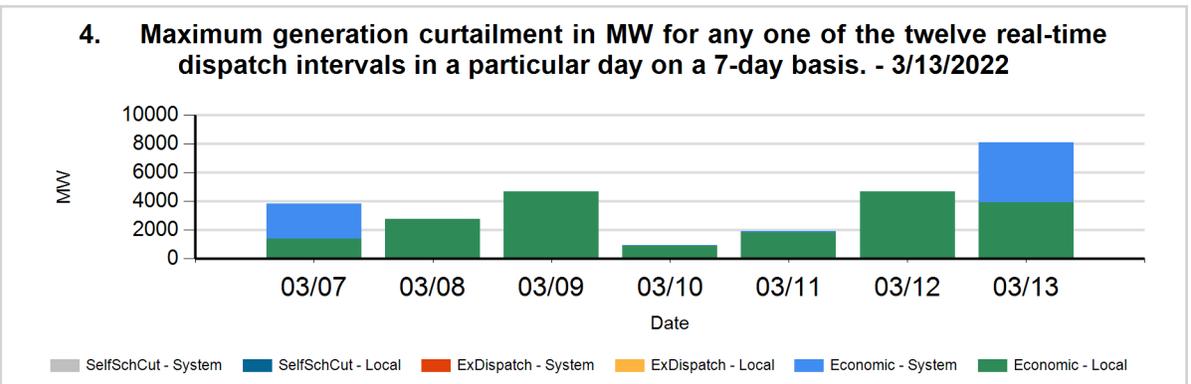
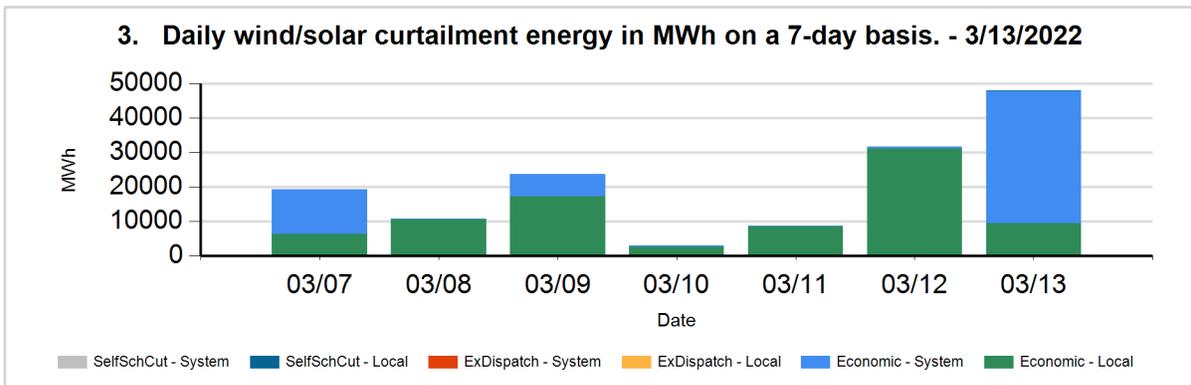
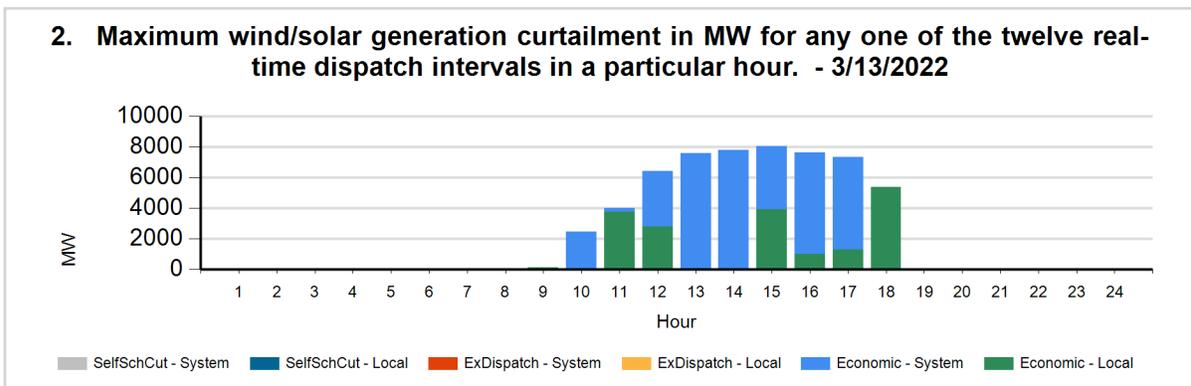
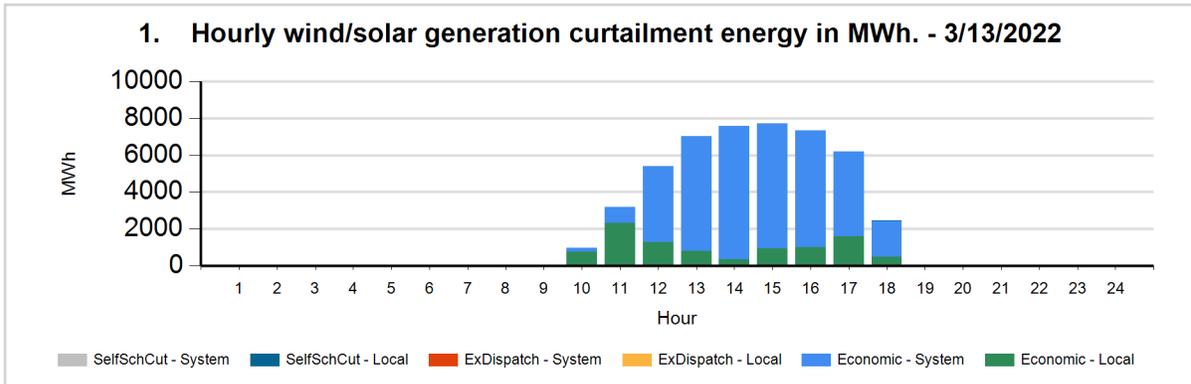
¹Only wind and solar resources can be reported in this manner because these resources have a forecast. Curtailment is defined as the difference between actual production and the forecast when actual production is less than the forecast.

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

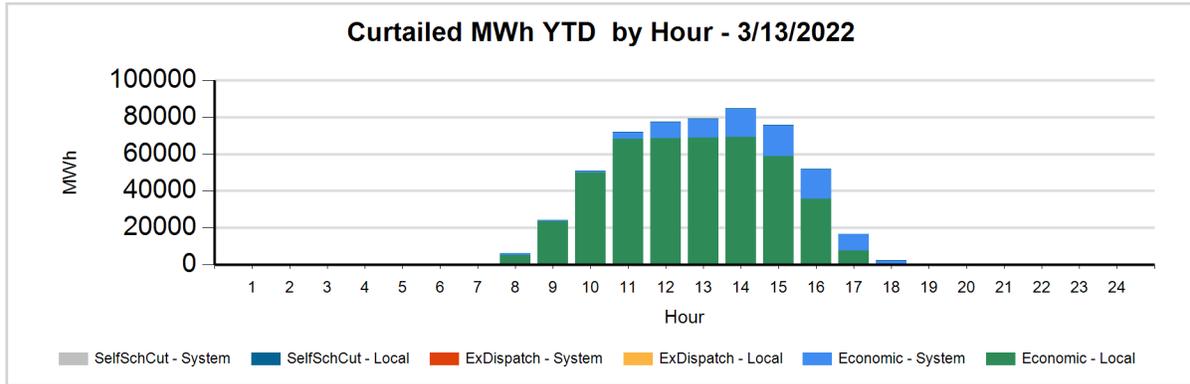
³Congestion occurs when available, least-cost energy cannot be delivered to some loads because transmission facilities do not have sufficient capacity to deliver the energy.

⁴For more information on oversupply conditions, please see: https://www.caiso.com/Documents/FlexibleResourcesHelpRenewables_FastFacts.pdf

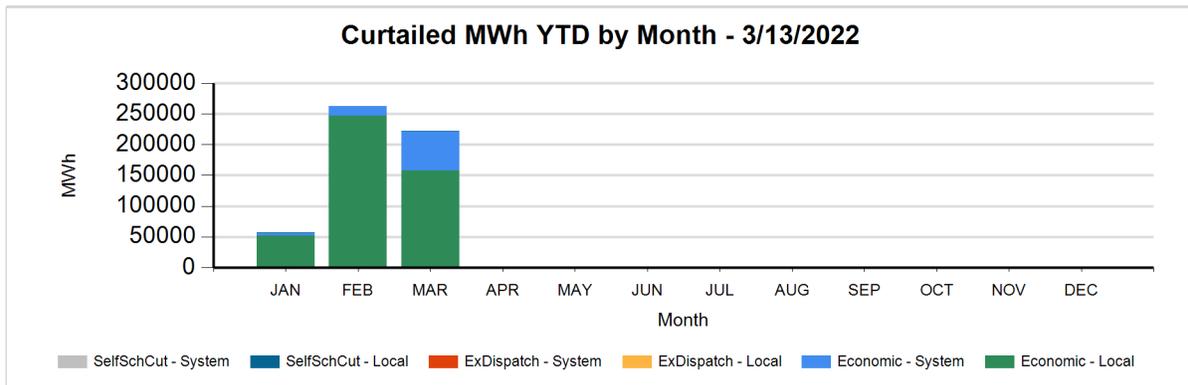
The following charts show the daily and 7-day wind and solar curtailment by category, if any.



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 - 3/13/2022
LocalEconomic	455,868
LocalSelfSchCut	65
SystemEconomic	85,524
TOTAL	541,457

Data used to produce hourly chart

DATE	HOUR	CURT TYPE	REASON	FUEL TYPE	CURTAILED MWH	CURTAILED MW
03/13	1	Economic	System	WIND	2	22
03/13	8	Economic	System	SOLR	0	4
03/13	9	Economic	Local	SOLR	30	103
03/13	10	Economic	Local	SOLR	729	
03/13	10	Economic	Local	WIND	20	
03/13	10	Economic	System	SOLR	207	2464
03/13	10	Economic	System	WIND	1	9
03/13	11	Economic	Local	SOLR	2190	3505
03/13	11	Economic	Local	WIND	120	256
03/13	11	Economic	System	SOLR	855	246
03/13	11	Economic	System	WIND	28	4
03/13	12	Economic	Local	SOLR	1218	2656
03/13	12	Economic	Local	WIND	51	140
03/13	12	Economic	System	SOLR	3678	3222
03/13	12	Economic	System	WIND	453	424
03/13	13	Economic	Local	SOLR	761	
03/13	13	Economic	Local	WIND	36	
03/13	13	Economic	System	SOLR	5696	6975
03/13	13	Economic	System	WIND	536	607
03/13	14	Economic	Local	SOLR	318	
03/13	14	Economic	Local	WIND	25	
03/13	14	Economic	System	SOLR	6653	7193
03/13	14	Economic	System	WIND	573	608
03/13	15	Economic	Local	SOLR	888	3712
03/13	15	Economic	Local	WIND	57	209
03/13	15	Economic	System	SOLR	6170	3537
03/13	15	Economic	System	WIND	601	611
03/13	16	Economic	Local	SOLR	924	935
03/13	16	Economic	Local	WIND	60	62
03/13	16	Economic	System	SOLR	5753	6009
03/13	16	Economic	System	WIND	592	607

03/13	17	Economic	Local	SOLR	1506	1274
03/13	17	Economic	Local	WIND	74	28
03/13	17	Economic	System	SOLR	4179	5488
03/13	17	Economic	System	WIND	447	568
03/13	18	Economic	Local	SOLR	419	4835
03/13	18	Economic	Local	WIND	46	542
03/13	18	Economic	System	SOLR	1819	
03/13	18	Economic	System	WIND	181	
03/13	18	SelfSchCut	Local	SOLR	1	
03/13	19	Economic	Local	SOLR	0	
03/13	19	Economic	System	SOLR	3	41
03/13	19	Economic	System	WIND	0	

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.