

Wind and Solar Curtailment June 08, 2024

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 oversupply.
- 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.

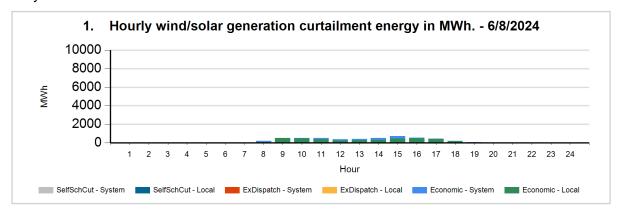
²The Renewables Watch report provides daily actual renewable production within the ISO grid. It is available at: http://www.caiso.com/green/renewableswatch.html.

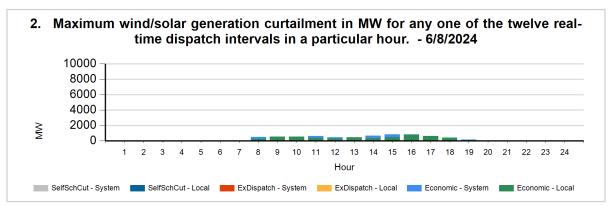
³Congestion occurs when available, least-cost energy cannot be delivered to some loads because transmission facilities do not have sufficient capacity to deliver the energy.

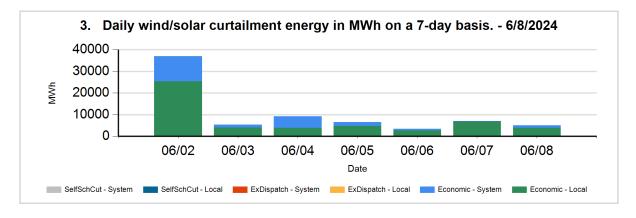
For more information on oversupply conditions, please see: https://www.caiso.com/Documents/FlexibleResourcesHelpRenewables FastFacts.pdf

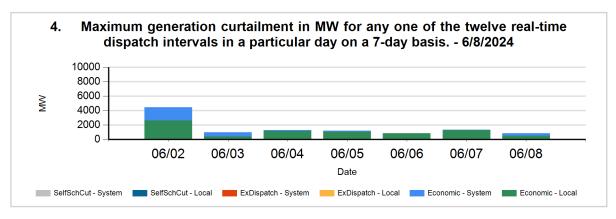


The following charts show the daily and 7-day wind and solar curtailment by category, if any.



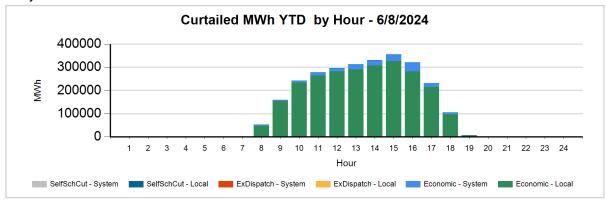




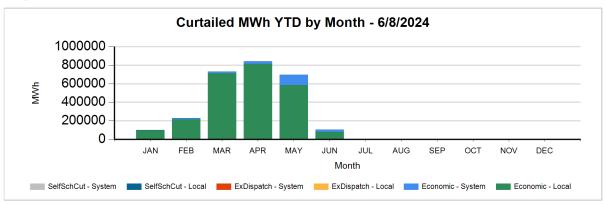




The following charts show hourly year to date wind and solar curtailment by category, if any.



The following charts show monthly year to date wind and solar curtailment by category, if any.



TYPE	YTD CURTAILED MWH - 6/8/2024
LocalEconomic	2,505,802
LocalSelfSchCut	1,572
SystemEconomic	191,016
TOTAL	2,698,390



Data used to produce hourly chart

06/08 8 Economic System SOLR 74 12 06/08 8 Economic System WIND 53 14 06/08 9 Economic Local SOLR 384 43 06/08 9 Economic Local WIND 116 11 06/08 10 Economic Local WIND 88 10 06/08 10 Economic System SOLR 19 06/08 10 Economic System WIND 16 06/08 11 Economic System WIND 16 06/08 11 Economic Local SOLR 365 38 06/08 11 Economic Local WIND 10 10 06/08 11 Economic System WIND 51 10 06/08 12 Economic System WIND 51 10 0	DATE	HOU R	CURT TYPE	REASON	FUEL TYPE	CURTAILED MWH	CURTAILED MW
06/08 8 Economic System WIND 53 14* 06/08 9 Economic Local SOLR 384 43* 06/08 9 Economic Local WIND 116 11* 06/08 10 Economic Local WIND 88 10* 06/08 10 Economic Local WIND 88 10* 06/08 10 Economic System SOLR 19 06/08 10 Economic System WIND 16 06/08 11 Economic Local SOLR 365 38* 06/08 11 Economic Local WIND 10	06/08	8	Economic	Local	SOLR	68	243
06/08 9 Economic Local SOLR 384 43 06/08 9 Economic Local WIND 116 11: 06/08 10 Economic Local WIND 88 10 06/08 10 Economic System SOLR 19 06/08 10 Economic System WIND 16 06/08 11 Economic Local WIND 16 06/08 11 Economic Local WIND 10 06/08 11 Economic Local WIND 10 06/08 11 Economic System SOLR 98 13 06/08 11 Economic System WIND 51 10 06/08 12 Economic Local SOLR 95 12 06/08 12 Economic System WIND 26 2 06/08 13 <td< td=""><td>06/08</td><td>8</td><td>Economic</td><td>System</td><td>SOLR</td><td>74</td><td>126</td></td<>	06/08	8	Economic	System	SOLR	74	126
06/08 9 Economic Local WIND 116 11: 06/08 10 Economic Local SOLR 409 44: 06/08 10 Economic Local WIND 88 10: 06/08 10 Economic System SOLR 19 06/08 11 Economic System WIND 16 06/08 11 Economic Local WIND 10 06/08 11 Economic System SOLR 98 13 06/08 11 Economic System WIND 51 10 06/08 11 Economic System WIND 51 10 06/08 12 Economic Local SOLR 242 29: 06/08 12 Economic System WIND 26 2: 06/08 13 Economic Local WIND 5 2:	06/08	8	Economic	System	WIND	53	143
06/08 10 Economic Local SOLR 409 444 06/08 10 Economic Local WIND 88 10 06/08 10 Economic System SOLR 19 06/08 10 Economic System WIND 16 06/08 11 Economic Local WIND 10 06/08 11 Economic Local WIND 10 06/08 11 Economic System SOLR 98 13 06/08 11 Economic System WIND 51 10 06/08 12 Economic Local SOLR 242 29 06/08 12 Economic System WIND 26 2 06/08 12 Economic Local WIND 5 22 06/08 13 Economic Local WIND 5 22 06/08 <td< td=""><td>06/08</td><td>9</td><td>Economic</td><td>Local</td><td>SOLR</td><td>384</td><td>438</td></td<>	06/08	9	Economic	Local	SOLR	384	438
06/08 10 Economic Local WIND 88 10 06/08 10 Economic System SOLR 19 06/08 10 Economic System WIND 16 06/08 11 Economic Local SOLR 365 38 06/08 11 Economic Local WIND 10 06/08 11 Economic System SOLR 98 13 06/08 11 Economic System WIND 51 10 06/08 12 Economic Local SOLR 242 29 06/08 12 Economic System WIND 26 2 06/08 12 Economic Local SOLR 252 44 06/08 13 Economic Local WIND 5 2 06/08 13 Economic System SOLR 111 0 0	06/08	9	Economic	Local	WIND	116	113
06/08 10 Economic System SOLR 19 06/08 10 Economic System WIND 16 06/08 11 Economic Local SOLR 365 38: 06/08 11 Economic Local WIND 10 06/08 11 Economic System SOLR 98 13. 06/08 11 Economic System WIND 51 10 06/08 12 Economic Local SOLR 242 29: 06/08 12 Economic System SOLR 95 12 06/08 12 Economic System WIND 26 2: 06/08 13 Economic Local WIND 5 2: 06/08 13 Economic System SOLR 111 06/08 13 Economic System WIND 29 06/08 14	06/08	10	Economic	Local	SOLR	409	448
06/08 10 Economic System WIND 16 06/08 11 Economic Local SOLR 365 38: 06/08 11 Economic Local WIND 10 06/08 11 Economic System SOLR 98 13 06/08 11 Economic System WIND 51 10 06/08 12 Economic Local SOLR 242 29 06/08 12 Economic System SOLR 95 12 06/08 12 Economic System SOLR 95 12 06/08 12 Economic System WIND 26 22 06/08 13 Economic Local WIND 5 22 06/08 13 Economic System SOLR 111 06/08 14 Economic Local WIND 4 06/08	06/08	10	Economic	Local	WIND	88	100
06/08 11 Economic Local SOLR 365 38 06/08 11 Economic Local WIND 10 06/08 11 Economic System SOLR 98 13 06/08 11 Economic System WIND 51 10 06/08 12 Economic Local SOLR 242 29 06/08 12 Economic System SOLR 95 12 06/08 12 Economic System WIND 26 2 06/08 13 Economic Local WIND 5 2 06/08 13 Economic System SOLR 111 111 06/08 13 Economic System WIND 29 32 06/08 14 Economic Local WIND 4 4 06/08 14 Economic System SOLR 118 <td< td=""><td>06/08</td><td>10</td><td>Economic</td><td>System</td><td>SOLR</td><td>19</td><td></td></td<>	06/08	10	Economic	System	SOLR	19	
06/08 11 Economic Local WIND 10 06/08 11 Economic System SOLR 98 13 06/08 11 Economic System WIND 51 10 06/08 12 Economic Local SOLR 242 29 06/08 12 Economic System SOLR 95 12 06/08 12 Economic System WIND 26 2 06/08 13 Economic Local SOLR 252 44 06/08 13 Economic Local WIND 5 22 06/08 13 Economic System SOLR 111 06/08 13 Economic System WIND 29 32 06/08 14 Economic Local WIND 4 4 06/08 14 Economic System SOLR 118 14	06/08	10	Economic	System	WIND	16	
06/08 11 Economic System SOLR 98 13 06/08 11 Economic System WIND 51 10 06/08 12 Economic Local SOLR 242 29 06/08 12 Economic System SOLR 95 12 06/08 12 Economic System WIND 26 2- 06/08 13 Economic Local SOLR 252 44 06/08 13 Economic Local WIND 5 2- 06/08 13 Economic System SOLR 111 111 06/08 13 Economic System WIND 29 32- 06/08 14 Economic Local WIND 4 4 06/08 14 Economic System SOLR 118 14- 06/08 15 Economic Local SOLR	06/08	11	Economic	Local	SOLR	365	383
06/08 11 Economic System WIND 51 10 06/08 12 Economic Local SOLR 242 29 06/08 12 Economic System SOLR 95 12 06/08 12 Economic System WIND 26 24 06/08 13 Economic Local SOLR 252 44 06/08 13 Economic Local WIND 5 22 06/08 13 Economic System SOLR 111 06/08 13 Economic System WIND 29 06/08 14 Economic Local WIND 4 06/08 14 Economic Local WIND 4 06/08 14 Economic System WIND 104 20 06/08 15 Economic Local WIND 53 06/08 <td< td=""><td>06/08</td><td>11</td><td>Economic</td><td>Local</td><td>WIND</td><td>10</td><td></td></td<>	06/08	11	Economic	Local	WIND	10	
06/08 12 Economic Local SOLR 242 298 06/08 12 Economic System SOLR 95 12 06/08 12 Economic System WIND 26 2 06/08 13 Economic Local WIND 5 2 06/08 13 Economic System SOLR 111 06/08 13 Economic System WIND 29 06/08 14 Economic Local SOLR 292 32 06/08 14 Economic Local WIND 4 4 06/08 14 Economic System SOLR 118 14 06/08 14 Economic System WIND 104 20 06/08 15 Economic Local WIND 53 14 06/08 15 Economic System SOLR 109 14	06/08	11	Economic	System	SOLR	98	134
06/08 12 Economic System SOLR 95 12 06/08 12 Economic System WIND 26 25 06/08 13 Economic Local WIND 5 25 06/08 13 Economic Local WIND 5 25 06/08 13 Economic System SOLR 111 111 06/08 13 Economic System WIND 29 32 06/08 14 Economic Local WIND 4 4 06/08 14 Economic System SOLR 118 14 06/08 14 Economic System WIND 104 20 06/08 15 Economic Local WIND 53 06/08 15 Economic Local WIND 14 06/08 15 Economic System SOLR 109 14	06/08	11	Economic	System	WIND	51	100
06/08 12 Economic System WIND 26 2- 06/08 13 Economic Local SOLR 252 44 06/08 13 Economic Local WIND 5 23 06/08 13 Economic System SOLR 111 06/08 14 Economic Local SOLR 292 32- 06/08 14 Economic Local WIND 4 4 06/08 14 Economic System SOLR 118 14- 06/08 14 Economic System WIND 104 203 06/08 15 Economic Local WIND 53 06/08 15 Economic Local WIND 53 06/08 15 Economic System SOLR 109 14- 06/08 15 Economic System WIND 168 22'	06/08	12	Economic	Local	SOLR	242	298
06/08 13 Economic Local SOLR 252 44 06/08 13 Economic Local WIND 5 22 06/08 13 Economic System SOLR 111 06/08 13 Economic System WIND 29 06/08 14 Economic Local WIND 4 06/08 14 Economic System SOLR 118 14 06/08 14 Economic System WIND 104 20 06/08 14 Economic Local SOLR 407 47 06/08 15 Economic Local WIND 53 06/08 15 Economic System SOLR 109 14 06/08 15 Economic System WIND 168 22 06/08 16 Economic Local SOLR 310 59 06/08	06/08	12	Economic	System	SOLR	95	121
06/08 13 Economic Local WIND 5 22 06/08 13 Economic System SOLR 111 06/08 13 Economic System WIND 29 06/08 14 Economic Local WIND 4 06/08 14 Economic System SOLR 118 14 06/08 14 Economic System WIND 104 203 06/08 15 Economic Local SOLR 407 47 06/08 15 Economic Local WIND 53 06/08 15 Economic System SOLR 109 14 06/08 15 Economic System WIND 168 22 06/08 16 Economic Local SOLR 310 59 06/08 16 Economic Local WIND 170 20	06/08	12	Economic	System	WIND	26	24
06/08 13 Economic System SOLR 111 06/08 13 Economic System WIND 29 06/08 14 Economic Local SOLR 292 324 06/08 14 Economic Local WIND 4 4 06/08 14 Economic System SOLR 118 144 06/08 14 Economic System WIND 104 203 06/08 15 Economic Local WIND 53 06/08 15 Economic System SOLR 109 144 06/08 15 Economic System WIND 168 223 06/08 16 Economic Local SOLR 310 59 06/08 16 Economic Local WIND 170 20	06/08	13	Economic	Local	SOLR	252	441
06/08 13 Economic System WIND 29 06/08 14 Economic Local SOLR 292 32 06/08 14 Economic Local WIND 4 06/08 14 Economic System SOLR 118 14 06/08 14 Economic System WIND 104 20 06/08 15 Economic Local SOLR 407 47 06/08 15 Economic Local WIND 53 06/08 15 Economic System SOLR 109 14 06/08 15 Economic System WIND 168 22 06/08 16 Economic Local SOLR 310 59 06/08 16 Economic Local WIND 170 20	06/08	13	Economic	Local	WIND	5	23
06/08 14 Economic Local SOLR 292 324 06/08 14 Economic Local WIND 4 06/08 14 Economic System SOLR 118 144 06/08 14 Economic System WIND 104 203 06/08 15 Economic Local SOLR 407 473 06/08 15 Economic Local WIND 53 06/08 15 Economic System SOLR 109 144 06/08 15 Economic System WIND 168 22 06/08 16 Economic Local SOLR 310 59 06/08 16 Economic Local WIND 170 20	06/08	13	Economic	System	SOLR	111	
06/08 14 Economic Local WIND 4 06/08 14 Economic System SOLR 118 144 06/08 14 Economic System WIND 104 203 06/08 15 Economic Local SOLR 407 473 06/08 15 Economic Local WIND 53 06/08 15 Economic System SOLR 109 144 06/08 15 Economic System WIND 168 223 06/08 16 Economic Local SOLR 310 59 06/08 16 Economic Local WIND 170 20	06/08	13	Economic	System	WIND	29	
06/08 14 Economic System SOLR 118 148 06/08 14 Economic System WIND 104 203 06/08 15 Economic Local SOLR 407 478 06/08 15 Economic Local WIND 53 06/08 15 Economic System SOLR 109 148 06/08 15 Economic System WIND 168 222 06/08 16 Economic Local SOLR 310 59 06/08 16 Economic Local WIND 170 20	06/08	14	Economic	Local	SOLR	292	324
06/08 14 Economic System WIND 104 203 06/08 15 Economic Local SOLR 407 473 06/08 15 Economic Local WIND 53 06/08 15 Economic System SOLR 109 143 06/08 15 Economic System WIND 168 223 06/08 16 Economic Local SOLR 310 59 06/08 16 Economic Local WIND 170 20	06/08	14	Economic	Local	WIND	4	
06/08 15 Economic Local SOLR 407 475 06/08 15 Economic Local WIND 53 06/08 15 Economic System SOLR 109 145 06/08 15 Economic System WIND 168 227 06/08 16 Economic Local SOLR 310 59 06/08 16 Economic Local WIND 170 20	06/08	14	Economic	System	SOLR	118	145
06/08 15 Economic Local WIND 53 06/08 15 Economic System SOLR 109 148 06/08 15 Economic System WIND 168 227 06/08 16 Economic Local SOLR 310 59 06/08 16 Economic Local WIND 170 20	06/08	14	Economic	System	WIND	104	203
06/08 15 Economic System SOLR 109 148 06/08 15 Economic System WIND 168 22 06/08 16 Economic Local SOLR 310 59 06/08 16 Economic Local WIND 170 20	06/08	15	Economic	Local	SOLR	407	475
06/08 15 Economic System WIND 168 22° 06/08 16 Economic Local SOLR 310 59 06/08 16 Economic Local WIND 170 20	06/08	15	Economic	Local	WIND	53	
06/08 16 Economic Local SOLR 310 59 06/08 16 Economic Local WIND 170 20	06/08	15	Economic	System	SOLR	109	145
06/08 16 Economic Local WIND 170 20	06/08	15	Economic	System	WIND	168	227
	06/08	16	Economic	Local	SOLR	310	591
06/08 16 Economic System SOLR 54	06/08	16	Economic	Local	WIND	170	201
	06/08	16	Economic	System	SOLR	54	



06/08	16	Economic	System	WIND	6	32
06/08	17	Economic	Local	SOLR	254	408
06/08	17	Economic	Local	WIND	181	222
06/08	17	Economic	System	SOLR	1	
06/08	17	Economic	System	WIND	1	
06/08	18	Economic	Local	SOLR	136	298
06/08	18	Economic	Local	WIND	28	111
06/08	18	Economic	System	SOLR	24	
06/08	18	Economic	System	WIND	11	
06/08	19	Economic	Local	SOLR	38	64
06/08	19	Economic	System	SOLR	20	97
06/08	20	Economic	Local	SOLR	0	
06/08	20	Economic	System	SOLR	9	38

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.