

June 2025 ERCOT Monthly Operations Report

Reliability and Operations Subcommittee Meeting

Aug 7, 2025

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# Report Highlights

* The unofficial ERCOT peak load for June 2025 was 77,351 MW and occurred on 6/19/2025 during hour ending 17:00, this is 2,346 MW less than the June 2024 demand of 79,697 MW on 6/30/2024 during hour ending 18:00. Instantaneous peak for June 2025 was 78,411 MW. Actual instantaneous peak for the same month last year was 80,629 MW.
* There were 4 frequency events.
* There were no ERCOT Contingency Reserve Service (ECRS) event.
* There were no Responsive Reserve Service (RRS) events.
* 2 Advisories
  + 1 Advisory – Due to ERCOT’s Transient Security Assessment Tool being unavailable.
  + 1 Advisory – Due to the Space Weather Prediction Center issuing a GMD Alert of K7 on June 1, 2025.
* 1 Watch – Due to wind gusts up to 90 mph in the North Texas area including the DFW area within the ERCOT Region from June 8, 2025, to June 9, 2025.
* 1 Emergency Notice – Due to a post contingency overload in the Northwest Texas Region, ERCOT instructed a Load Curtailment totaling 10 MW in the Childress area of the ERCOT Region due to multiple Forced Outages causing severe post contingent overloads on June 8, 2025.
* There were 68 HRUC commitments.
* A renewable generation record of 46,996 MW was set on 6/21/2025 at 13:00.
* The following GTCs saw congestion in June:

|  |  |
| --- | --- |
| GTC | Days Congestion |
| Zapata to Starr | 28 |
| North Edinburg to Lobo | 28 |
| Hamilton County | 30 |
| Nelson Sharpe to Rio Hondo | 27 |
| Panhandle GTC | 12 |
| South Texas Export (E\_PATA) | 15 |
| South Texas Export (E\_PASP) | 24 |
| West Texas Export | 13 |
| North to Houston | 24 |
| SAMSW | 1 |
| Wharton County | 16 |
| Valley Export | 4 |
| McCamey GTC | 3 |

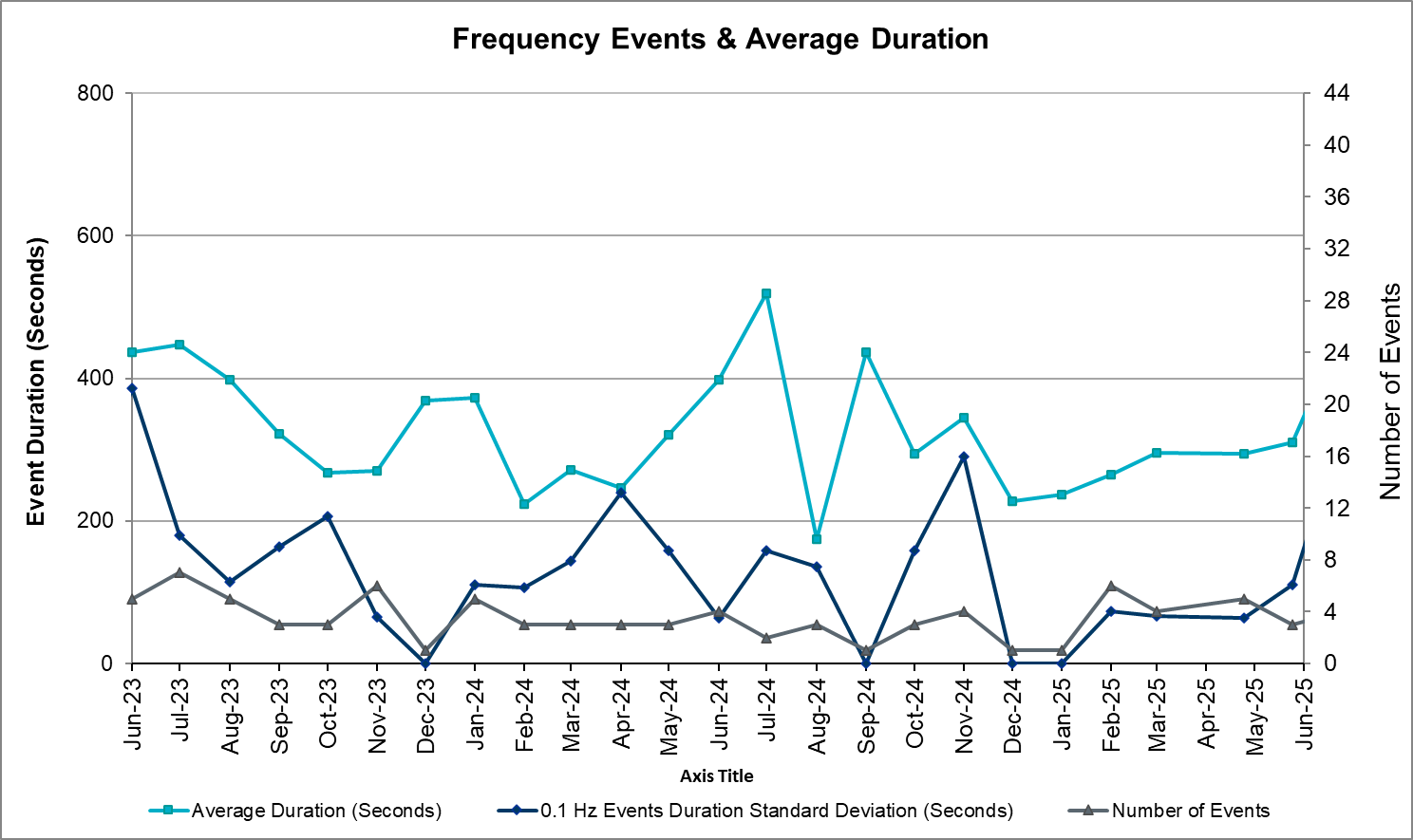
# Frequency Control

## Frequency Events

The ERCOT Interconnection experienced 4 frequency events, which resulted from unit tripping. The average duration of these events was 7 minutes and 48 seconds.

A summary of the frequency event is provided below. The reported frequency event meets one of the following criteria: Delta Frequency is 60 mHz or greater; the MW loss is 350 MW or greater; resource trip event triggered ECRS deployment. Frequency events that have been identified as Frequency Measurable Events (FME) for purposes of BAL-001-TRE-2 analysis are highlighted in blue. When analyzing frequency events, ERCOT evaluates PMU data according to industry standards. Events with an oscillating frequency of less than 1 Hz are inter-area, while higher frequencies indicate local events. Industry standards specify that damping ratio for inter-area oscillations should be 3.0% or greater. For the frequency event listed below, the ERCOT system met these standards and transitioned well after the disturbance. In the case of negative delta frequency, the MW Loss column could refer to load loss.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date and Time** | **Delta Frequency** | **Max/Min Frequency** | **Duration of Event** | **PMU Data** | | **MW Loss** | **Load** | **IRR** | **Inertia** |
| **(Hz)** | **(Hz)** | **Oscillation Mode (Hz)** | **Damping Ratio** | **(MW)** | **%** | **(MW-s)** |
| 6/2/2025 2:49:34 | 0.079 | 59.935 | 00:03:41 | 0.68 | 14% | 643 | 49,631 | 32% | 265,215 |
| 6/5/2025 2:25:19 | 0.044 | 59.933 | 00:08:41 | 0.64 | 8% | 496 | 50,798 | 25% | 290,392 |
| 6/14/2025 19:35:43 | 0.064 | 59.949 | 00:15:19 | 0.76 | 11% | 556 | 71,448 | 38% | 287,090 |
| 6/17/2025 16:19:19 | 0.027 | 59.951 | 00:03:32 | 0.45 | 7% | 455 | 76,504 | 55% | 278,630 |



(Note: All data on this graph encompasses frequency event analysis based on BAL-001-TRE-2.)

## ERCOT Contingency Reserve Deployments/Releases

There were 0 events where ERCOT Contingency Reserve MWs were released to SCED. The events highlighted in blue were related to frequency events reported in Section 2.1 above.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Date and Time Released to SCED** | **Date and Time Recalled** | **Duration of Event** | **Maximum MWs Released** | **Comments** |
| N/A | N/A | N/A | N/A | N/A |

## Responsive Reserve Deployments/Releases

There were no events where Responsive Reserve MWs were released to SCED.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Date and Time Released to SCED** | **Date and Time Recalled** | **Duration of Event** | **Maximum MWs Released** | **Comments** |
| N/A | N/A | N/A | N/A | N/A |

## Load Resource Deployments

There were no events where Load Resources that are controlled by Under-Frequency Relays were deployed for an Emergency Condition.

# Reliability Unit Commitment

ERCOT reports on Reliability Unit Commitments (RUC) monthly. Commitments are reported grouped by operating day and weather zone. The total number of hours committed is the sum of the hours for all the units in the specified region. Additional information on RUC commitments can be found on the MIS secure site at Grid 🡪 Generation 🡪 Reliability Unit Commitment.

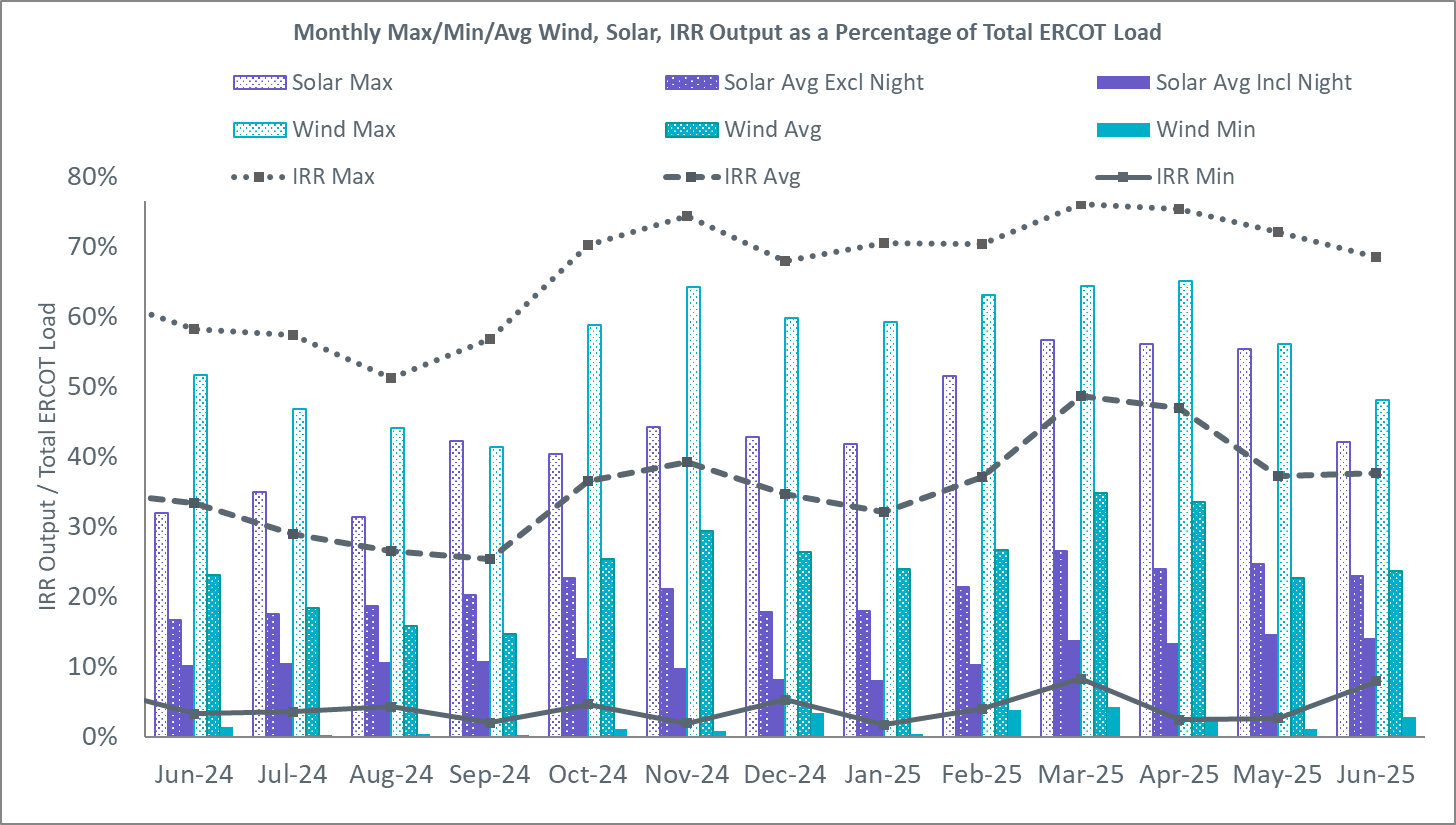
There were 0 DRUC commitments.

There were 68 HRUC commitments.

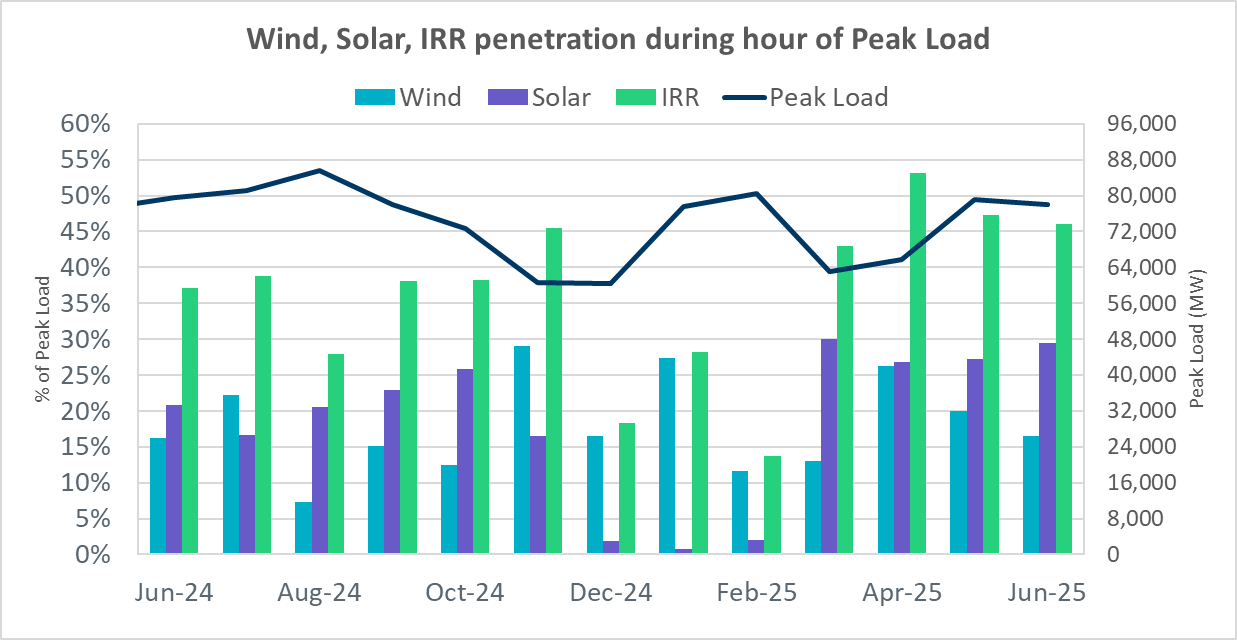
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Resource Location** | **# of Resources** | **Operating Day** | **Total # of Hours Committed** | **Total MWhs** | **Reason for Commitment** |
| NORTH\_CENTRAL | 2 | June 1, 2025 | 12 | 528.0 | E\_PASP |
| NORTH\_CENTRAL | 1 | June 3, 2025 | 4 | 1,580.0 | E\_PASP |
| EAST, NORTH\_CENTRAL | 4 | June 4, 2025 | 28 | 4,653.0 | E\_PASP |
| NORTH\_CENTRAL | 1 | June 5, 2025 | 4 | 1,740.0 | E\_PASP |
| NORTH\_CENTRAL | 3 | June 6, 2025 | 17 | 4,868.0 | E\_PASP |
| NORTH\_CENTRAL | 2 | June 9, 2025 | 16 | 2,016.0 | E\_PASP |
| NORTH\_CENTRAL | 4 | June 10, 2025 | 32 | 3,648.0 | E\_PASP |
| EAST, NORTH, NORTH\_CENTRAL | 3 | June 12, 2025 | 15 | 3,485.9 | E\_PASP |
| EAST, NORTH\_CENTRAL | 3 | June 13, 2025 | 26 | 5,012.0 | E\_PASP |
| EAST, NORTH, NORTH\_CENTRAL | 11 | June 15, 2025 | 65 | 9,056.2 | E\_PASP |
| NORTH\_CENTRAL | 3 | June 16, 2025 | 14 | 5,186.0 | E\_PASP |
| NORTH\_CENTRAL | 2 | June 18, 2025 | 12 | 928.0 | E\_PASP |
| NORTH\_CENTRAL | 2 | June 19, 2025 | 10 | 3,306.0 | E\_PASP |
| COAST, NORTH\_CENTRAL, SOUTH\_CENTRAL | 5 | June 20, 2025 | 28 | 12,153.0 | E\_PASP, WESTEX |
| NORTH\_CENTRAL | 1 | June 23, 2025 | 6 | 2,503.0 | E\_PASP |
| EAST, NORTH\_CENTRAL, SOUTH\_CENTRAL | 7 | June 24, 2025 | 29 | 10,421.0 | E\_PASP |
| EAST, NORTH\_CENTRAL | 1 | June 25, 2025 | 5 | 2,242.0 | E\_PASP |
| EAST, NORTH\_CENTRAL | 4 | June 26, 2025 | 36 | 13,160.0 | E\_PASP |
| EAST, NORTH\_CENTRAL | 8 | June 27, 2025 | 43 | 6,325.0 | E\_PASP, E\_PATA |
| NORTH\_CENTRAL | 1 | June 28, 2025 | 4 | 1,740.0 | E\_PASP |

# IRR, Wind, and Solar Generation as a Percent of Load

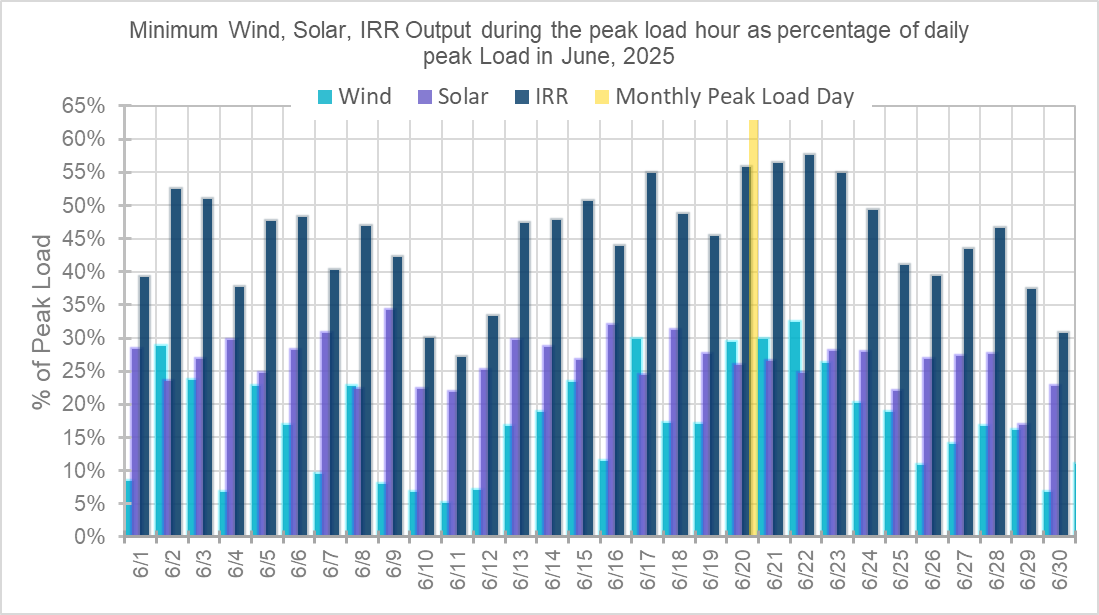
The graph below shows the maximum, minimum and average aggregate solar, wind and IRR output as a percentage of total ERCOT load when evaluated as 10-minute averaged intervals, over the past 13 months. Current wind and solar generation and penetration records are listed in the footnote below[[1]](#footnote-2). Maximum IRR penetration for June 2025 was 68.47% on 6/17/2025 interval ending 10:00 and minimum IRR penetration for June 2025 was 7.91% on 6/11/2025 interval ending 07:00.



During the hour of peak load for the month, hourly integrated wind generation was 12,825 MW and solar generation was 22,996 MW. The graph below shows the wind and solar penetration percentage during the hour of the peak load in the last 13 months.



Lastly, the graph below shows the minimum wind, solar, and IRR output during the peak load hour as a percentage of the daily peak load for every day in the month.



# Largest Net-Load Ramps

The net-load ramp is defined as the change in net-load (load minus wind and PVGR generation) during the defined time horizon. Such a variation in net-load needs to be accommodated in grid operations to ensure that the reliability of the grid is satisfactorily maintained. The largest net-load ramps over 5-minute, 10-minute, 15-minute, 30-minute, and 60-minute intervals in June 2025 were 1,653 MW, 2,416 MW, 3,334 MW, 5,516 MW, and 10,007 MW respectively. A comparison with historical values is provided in the table below.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Month and Year** | **5 min** | **10 min** | **15 min** | **30 min** | **60 min** |
| Jun-14 | 919 MW | 1,329 MW | 1,873 MW | 3,516 MW | 5,724 MW |
| Jun-15 | 1,038 MW | 1,771 MW | 2,489 MW | 3,119 MW | 5,360 MW |
| Jun-16 | 1,183 MW | 1,716 MW | 2,148 MW | 3,131 MW | 5,975 MW |
| Jun-17 | 751 MW | 1,287 MW | 1,772 MW | 3,106 MW | 5,573 MW |
| Jun-18 | 1,029 MW | 1,413 MW | 2,035 MW | 3,590 MW | 6,320 MW |
| Jun-19 | 824 MW | 1,284 MW | 1,706 MW | 2,985 MW | 5,684 MW |
| Jun-20 | 902 MW | 1,615 MW | 2,340 MW | 3,726 MW | 7,015 MW |
| Jun-21 | 1,442 MW | 2,157 MW | 2,646 MW | 3,468 MW | 5,963 MW |
| Jun-22 | 1,064 MW | 1,588 MW | 2,166 MW | 4,035 MW | 7,866 MW |
| Jun-23 | 1,044 MW | 1,672 MW | 2,316 MW | 4,075 MW | 7,845 MW |
| Jun-24 | 1,978 MW | 2,883 MW | 3,466 MW | 4,547 MW | 7,498 MW |
| 6/1/2024 | 6/1/2024 | 6/1/2024 | 6/1/2024 | 6/26/2024 |
| (IE 10:07) | (IE 10:09) | (IE 10:09) | (IE 10:23) | (IE 11:10) |
| Jun-25 | 1,653 MW | 2,416 MW | 3,334 MW | 5,516 MW | 10,007 MW |
| 6/2/2025 | 6/27/2025 | 6/18/2025 | 6/18/2025 | 6/19/2025 |
| (IE 20:07) | (IE 18:48) | (IE 19:35) | (IE 19:40) | (IE 19:48) |
| All Months in 2014-2025 | 3,797 MW | 3,562 MW | 4,588 MW | 8,901 MW | 16,522 MW |
| 5/28/2025 | 5/28/2025 | 1/29/2024 | 1/29/2024 | 1/29/2024 |
| (IE 10:27) | (IE 10:27) | (IE 17:10) | (IE 17:11) | (IE 17:17) |

# Congestion Analysis

## Notable Constraints

Nodal protocol section 3.20 specifies that ERCOT shall identify transmission constraints that are binding in Real-Time three or more Operating Days within a calendar month. As part of this process, ERCOT reports congestion that meets this criterion to ROS. In addition, ERCOT also highlights notable constraints that have an estimated congestion rent exceeding $1,000,000 for a calendar month. These constraints are detailed in the table below, including approved transmission upgrades from TPIT that June provide some congestion relief based on ERCOT’s engineering judgement. Rows highlighted in blue indicate the congestion was affected by one or more outages. For a list of all constraints activated in SCED, please see Appendix A at the end of this report.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Contingency Name** | **Overloaded Element** | **Contingency Name** | **Overloaded Element** | **# of Days Constraint Binding** | **Congestion Rent** | **Transmission Project** |
|  |
| DBAKCED5 | 6056\_\_A | BAKESW-CEDACA 345kV & BAKESW-CEDACA 345kV | Longshore Switch - Consavvy Switch 345kV | 25 | $18,723,571.76 |  |  |
| BASE CASE | WESTEX | Basecase | WESTEX GTC | 9 | $17,620,097.54 |  |  |
| DWPWFWP5 | STPWAP39\_1 | TWR(345) WAP-WLF64 & WAP-WLY72 | South Texas Project - Wa Parish 345kV | 22 | $14,633,360.71 |  |  |
| DMTSCOS5 | 6437\_\_F | DMTSW TO SCOSW 345 DBLCKT | Knapp - Scurry Chevron 138kV | 24 | $14,256,107.26 |  |  |
| SW\_LVLT5 | 15060\_\_B | wett\_long\_draw to Volta LIN 1 | Koch Tap - Vealmoor 138kV | 22 | $9,785,462.56 |  |  |
| MHARNED5 | HAINE\_\_LA\_PAL1\_1 | Manual dbl ckt for NEDIN-BONILLA 345kV & RIOH-PRIM138kV | Haine Drive - La Palma 138kV | 17 | $8,475,637.25 |  |  |
| DBAKCED5 | HARGRO\_TWINBU1\_1 | BAKESW-CEDACA 345kV & BAKESW-CEDACA 345kV | Hargrove - Twin Buttes 138kV | 14 | $7,507,277.87 |  |  |
| MFOAVLO5 | LARDVN\_LASCRU1\_1 | double FOWLERTON to AVANZADA & LOBO to FOWLERTON | Laredo Vft North - Las Cruces 138kV | 28 | $7,323,985.02 |  |  |
| BASE CASE | NE\_LOB | Basecase | NE\_LOB GTC | 26 | $5,719,609.23 |  |  |
| DBIGKEN5 | TREADW\_YELWJC1\_1 | Bighil-Kendal 345kV | Yellow Jacket - Treadwell 138kV | 21 | $5,568,913.62 |  |  |
| DSALHUT5 | 1710\_\_C | SALSW - HUTTO 345KV | Bell County - Salado Switch 138kV | 20 | $4,969,009.42 |  |  |
| BASE CASE | N\_TO\_H | Basecase | N\_TO\_H GTC | 10 | $4,947,946.81 |  |  |
| DFMRCYC5 | 205\_\_A | FMRVL-SLTSW 345&FMRVL-CYCSW 345 DBLCKT | Monticello Ses - Sulphur Springs Switch 345kV | 22 | $4,934,442.94 |  |  |
| STHSVE65 | 35050\_\_B | SAM SWITCH to VENUS SWITCH LIN \_A | Venus Switch - Fort Smith Switch 345kV | 15 | $4,476,942.67 |  |  |
| SABIABM8 | ABNTHW\_SERDEV1\_1 | ABILENE MULBERRY CREEK to ABILENE INDUSTRIAL PARK LIN 1 | #N/A | 8 | $4,260,582.93 |  |  |
| DWAP\_OB5 | MDOPHR99\_A | TWR (345) OB-WAP98 & OB-WAP99 | Meadow - Ph Robinson 345kV | 21 | $3,627,610.31 |  |  |
| MIDUMCL8 | I\_DUPS\_RESNIK2\_2 | DUPONT SWITCH - INGLESIDE to McCampbell LIN 1 | Dupont Switch - Ingleside - Resnik 138kV | 8 | $3,333,051.26 |  |  |
| SCITWEI8 | CLARK\_\_LON\_HI1\_1 | CHAMPLIN to CHAMPLIN LIN 1 | Clarkwood - Lon Hill 138kV | 2 | $2,588,074.35 |  |  |
| MXMU158 | ORNT\_REDCRE1\_1 | ABILENE MULBERRY CREEK TRX MULBERRY\_3\_2 345/138 | Orient - San Angelo Red Creek 138kV | 10 | $2,322,413.08 |  |  |
| SCMNCPS5 | 651\_\_B | COMANCHE SWITCH (Oncor) to COMANCHE PEAK SES LIN \_A | Comanche Tap - Comanche Switch (Oncor) 138kV | 14 | $2,215,979.28 |  |  |
| SBNDRYS5 | 1390\_\_F | Ben Davis to Ben Davis LIN 1 | Mesquite Forney Road - Buckner Home 138kV | 2 | $1,783,296.54 |  |  |
| DWAP\_BI5 | JN\_WAP64\_A | TWR (345) WAP-BI50 & SMITHERS-BI98 | Wa Parish - Jeanetta 345kV | 10 | $1,674,863.43 |  |  |
| DLWSRNK5 | 587\_\_A | LWSSW TO RNKSW AND LWSSW TO KRWSW 345 DBLCKT | Argyle - Highlands Tnp 138kV | 5 | $1,636,544.87 |  |  |
| DPHRCTR5 | MDOPHR99\_A | Ctr-Phr&Cby 345kV | Meadow - Ph Robinson 345kV | 4 | $1,619,531.20 |  |  |
| DBIGSCH5 | PALOUS\_WOLFCA1\_1 | Big Hill - Schneeman Draw & Big Hill - Schneeman Draw 2 | Palouse - Wolfcamp 138kV | 16 | $1,597,022.91 |  |  |
| SPLSFAS9 | POT\_PEAR\_1 | Tordillo 138\_69 to McCoy LIN 1 | Poteet Sub - Pearsall Switching Station 69kV | 18 | $1,266,732.44 |  |  |
| SBNDRYS5 | WYL\_NEVA\_1 | Ben Davis to Ben Davis LIN 1 | Nevada - Wylie Switch 138kV | 2 | $1,265,869.11 |  |  |
| BASE CASE | NELRIO | Basecase | NELRIO GTC | 24 | $1,229,030.48 |  |  |
| DVLSPAC5 | 1561\_\_A | VLSES-PACSW 345&PRSSW-VLYSO 345 DBLCKT | Rivercrest Ses - Deport Rea 138kV | 13 | $1,113,648.11 |  |  |
| DWAP\_BI5 | BI\_JN\_64\_A | TWR (345) WAP-BI50 & SMITHERS-BI98 | Bellaire - Jeanetta 345kV | 5 | $1,101,512.41 |  |  |
| BASE CASE | E\_PASP | Basecase | E\_PASP GTC | 14 | $1,029,524.02 |  |  |
| MPEABIG8 | POT\_PEAR\_1 | Manual Contingency from PEARSALL to BIG\_FOOT 138kV | Poteet Sub - Pearsall Switching Station 69kV | 22 | $1,012,230.82 |  |  |
| DBIGKEN5 | MADDUX\_TREADW1\_1 | Bighil-Kendal 345kV | Maddux - Treadwell 138kV | 13 | $972,178.78 |  |  |
| MDTCRTH5 | 35050\_\_B | MANUAL DOUBLE THSES TO TCRSW & FBRSW TO THSES 345 DBLCKT | Venus Switch - Fort Smith Switch 345kV | 6 | $940,747.73 |  |  |
| MMCCIDU8 | I\_DUPS\_RESNIK2\_2 | Double MCCAMPBE 2 - RESNIK & I\_DUPSW 138kV | Dupont Switch - Ingleside - Resnik 138kV | 1 | $827,823.68 |  |  |
| SMDOOAS5 | GN\_PZ\_08\_A | MEADOW to OASIS LIN A | Grant - Plaza 138kV | 5 | $808,051.46 |  |  |
| DZORHAY5 | BERGHE\_AT1H | ZORN - HAYSEN 345KV | Bergheim 345kV | 8 | $773,127.33 |  |  |
| XHA2S89 | OLS\_JNES\_1 | HASSE TRX HAS2 138/69 | Olsen Tnp - Jonesboro Tnp 69kV | 5 | $706,241.76 |  |  |
| SRN2EXC5 | 109\_\_A | ROANOKE SWITCH to EXCHANGE SWITCH LIN \_A | Roanoke Switch - Exchange Switch 345kV | 2 | $671,567.53 |  |  |
| DHILMAR5 | 361T361\_1 | Hillctry-Marion 345kV | Parkway - Schertz 138kV | 1 | $632,513.62 |  |  |
| BASE CASE | ZAPSTR | Basecase | ZAPSTR GTC | 26 | $606,058.33 |  |  |
| DCDHMCS8 | 3150\_\_A | MCSES TO CDHSW 138 DBLCKT | Cedar Crest Switch - Oak Cliff South 138kV | 1 | $564,431.74 |  |  |
| DRNS\_TB5 | THWZEN71\_A | Rns-Rtw & Sng-Tb 345kV | Th Wharton - Zenith 345kV | 6 | $553,839.56 |  |  |
| DBIGKEN5 | HAMILT\_MAXWEL1\_1 | Bighil-Kendal 345kV | Hamilton Road - Maxwell 138kV | 14 | $543,216.67 |  |  |
| DKG\_NB\_5 | MDOPHR99\_A | TWR(345) JOR-KG97 & JOR-NB99 | Meadow - Ph Robinson 345kV | 3 | $489,642.90 |  |  |
| MLOFOAV5 | LARDVN\_LASCRU1\_1 | double LOBO to AVANZADA & LOBO to FOWLERTON | Laredo Vft North - Las Cruces 138kV | 7 | $451,368.78 |  |  |
| DSNDBCE5 | 36040\_\_A | SNDSW TO BCESW 345 DBLCKT | Salado Switch - Knob Creek Switch 345kV | 1 | $424,284.52 |  |  |
| DROUCHI8 | 1710\_\_C | RNDRK-CHIEBR & SPANOA 138kV | Bell County - Salado Switch 138kV | 1 | $424,106.67 |  |  |
| DRAZSA89 | 2585\_1 | Double Circuit RAZORBAC to DRYFRIO 138 kV & UVALDE to SABINAL 69 kV | Moore Switching Station - Downie Switching Station 138kV | 19 | $422,200.33 |  |  |
| DBIGSCH5 | HARGRO\_TWINBU1\_1 | Big Hill - Schneeman Draw & Big Hill - Schneeman Draw 2 | Hargrove - Twin Buttes 138kV | 2 | $420,607.07 |  |  |
| SRAYRI38 | HAINE\_\_LA\_PAL1\_1 | LAS PULGAS to RAYMONDVILLE 2 LIN 1 | Haine Drive - La Palma 138kV | 10 | $408,892.17 |  |  |
| MSFRYTP8 | 597T597\_1 | MANUAL SINGLE FRYSW - TMPSW 138 KV | Rivery - Georgetown 138kV | 2 | $393,629.57 |  |  |
| BASE CASE | HMLTN | Basecase | HMLTN GTC | 30 | $359,355.99 |  |  |
| SMDOOAS5 | GV\_HOC19\_A | MEADOW to OASIS LIN A | Garden Villas - H O Clarke 69kV | 2 | $345,842.00 |  |  |
| SRNKEXC5 | 108\_\_A | ROANOKE SWITCH to EXCHANGE SWITCH LIN \_A | Roanoke Switch - Exchange Switch 345kV | 3 | $336,616.98 |  |  |
| SPADCHL8 | 6755\_\_B | CHILDRESS WEST to CHILDRESS WEST LIN 1 | Kma Tap - Holliday 69kV | 2 | $335,427.48 |  |  |
| SBRTANT8 | EUSTWLTN\_RC\_1 | ANTIOCH to ANTIOCH LIN 1 | Eustace Southeast - Walton Switching Station 138kV | 3 | $326,034.51 |  |  |
| BASE CASE | PNHNDL | Basecase | PNHNDL GTC | 3 | $300,177.16 |  |  |
| MFOAVLO5 | DEL\_MA\_LAREDO1\_1 | double FOWLERTON to AVANZADA & LOBO to FOWLERTON | Del Mar - Laredo Plant 138kV | 1 | $294,264.87 |  |  |
| DBLW2JC5 | WAPWLY72\_A | TWR (345) JCK-WAT62 & BLY-JCK57 | Wa Parish - Whaley 345kV | 5 | $289,383.62 |  |  |
| DDILPE89 | BIG\_FO\_PLEASA1\_1 | Dilleysw-Paloduro 138kV & Pearsall 69kV | Big Foot - Pleasanton 138kV | 19 | $285,485.28 |  |  |
| DRAZSA89 | READIN\_UVALDE1\_1 | Double Circuit RAZORBAC to DRYFRIO 138 kV & UVALDE to SABINAL 69 kV | Uvalde Aep - Reading 138kV | 19 | $270,308.24 |  |  |
| MTWECE25 | HARGRO\_TWINBU1\_1 | Manual Double TWELVE to CEDACA LIN 1 & TWELVE to CEDACA LIN 2 | Hargrove - Twin Buttes 138kV | 3 | $258,166.26 |  |  |
| XABN89 | ABNTHW\_SERDEV1\_1 | ABILENE NORTHWEST TRX 69T2 138/69 | #N/A | 1 | $256,471.23 |  |  |
| SBRAPIN8 | HAMILT\_MAVERI1\_1 | BRACKETTVILLE to BRACKETTVILLE LIN 1 | Hamilton Road - Maverick 138kV | 18 | $246,467.05 |  |  |
| SBWDDBM5 | LPLMK\_LPLNE\_1 | BLACKWATER DRAW SWITCH to DOUBLE MOUNTAIN SWITCH LIN 1 | Mackenzie Substation - Northeast Substation 115kV | 5 | $238,497.34 |  |  |
| DSNG\_TB5 | THWZEN71\_A | Sng-Tb&Rns 345kV | Th Wharton - Zenith 345kV | 6 | $237,301.05 |  |  |
| SFMRRYS5 | 400\_\_A | Farmersville Switch to Farmersville Switch LIN \_A | Royse Switch - Farmersville Switch 345kV | 3 | $233,634.10 |  |  |
| SN\_SAJO5 | LASPUL\_RAYMND1\_1 | AJO to AJO LIN 1 | Las Pulgas - Raymondville 2 138kV | 11 | $229,691.56 |  |  |
| MMCKSWE5 | BLUF\_C\_MULBER1\_1 | MAN\_DBL\_SWESW-LNKCRK and MCKSW\_345kV\_6057A-6026B | Bluff Creek - Abilene Mulberry Creek 345kV | 6 | $222,145.12 |  |  |
| DBAKCED5 | LAKENA\_SAMATH1\_1 | BAKESW-CEDACA 345kV & BAKESW-CEDACA 345kV | Lake Nasworthy - San Angelo Mathis Field 69kV | 1 | $219,627.67 |  |  |
| SMATMUL9 | 6760\_\_A | MATADOR to MULETA LIN 1 | Electra - Waggoner 69kV | 1 | $207,668.44 |  |  |
| SNUELON8 | MORRIS\_NUECES1\_1 | LON HILL to NUECES BAY LIN 1 | Morris Street - Nueces Bay 138kV | 1 | $205,090.32 |  |  |
| DELMSAN5 | POT\_OAKS\_1 | Elmcreek-Sanmigl 345kV | Poteet Sub - Oaks Sub 69kV | 7 | $199,733.47 |  |  |
| MMATSPU9 | HARROL\_WAGGON1\_1 | manual MATADOR - SPUR 69 Kv | Harrold - Waggoner 69kV | 1 | $196,118.44 |  |  |
| SKLELOY8 | LOYOLA\_69\_1 | KLEBERG AEP to KLEBERG AEP LIN 1 | Loyola Sub 138kV | 12 | $192,308.49 |  |  |
| SMATMUL9 | 6755\_\_B | MATADOR to MULETA LIN 1 | Kma Tap - Holliday 69kV | 1 | $191,564.71 |  |  |
| XBIG89 | BIG\_FO\_PLEASA1\_1 | BIG FOOT TRX 69A1 138/69 | Big Foot - Pleasanton 138kV | 12 | $182,192.17 |  |  |
| MNOETW25 | HARGRO\_TWINBU1\_1 | Manual Double NOELKE to TWELVE LIN 1 & NOELKE to TWELVE LIN 2 | Hargrove - Twin Buttes 138kV | 3 | $180,153.30 |  |  |
| SFMRRY25 | 381\_\_A | Farmersville Switch to ROYSE SWITCH LIN \_A | Farmersville Switch - Royse Switch 345kV | 3 | $175,522.74 |  |  |
| DRNS\_TB5 | NB\_THW97\_A | Rns-Rtw & Sng-Tb 345kV | North Belt - Th Wharton 345kV | 3 | $173,391.56 |  |  |
| MHARNED5 | LASPUL\_RAYMND1\_1 | Manual dbl ckt for NEDIN-BONILLA 345kV & RIOH-PRIM138kV | Las Pulgas - Raymondville 2 138kV | 3 | $173,026.45 |  |  |
| SDUKNED8 | ADERHO\_ELSA1\_1 | DUKE / HEC to NORTH EDINBURG LIN 1 | Aderhold Sub - Elsa 138kV | 1 | $154,883.79 |  |  |
| DRICLOU8 | VND\_PLCE\_1 | RICEBI-ETP 138kV&LOUISES 69kV | Vanderbilt 69 Sub - Placedo Sub 69kV | 7 | $148,387.34 |  |  |
| SFTLMES8 | PALOUS\_WOLFCA1\_1 | FORT LANCASTER to FORT LANCASTER LIN 1 | Palouse - Wolfcamp 138kV | 3 | $144,090.50 |  |  |
| SBRAHAM8 | BRACKE\_ESCOND1\_1 | BRACKETTVILLE to HAMILTON ROAD LIN 1 | Brackettville - Escondido 138kV | 6 | $142,896.91 |  |  |
| MMATSPU9 | 6760\_\_A | manual MATADOR - SPUR 69 Kv | Electra - Waggoner 69kV | 1 | $141,200.02 |  |  |
| DSALHUT5 | 270\_\_A | SALSW - HUTTO 345KV | Temple Switch - Knob Creek Switch 345kV | 2 | $137,140.36 |  |  |
| DSTEXP12 | BLESSI\_LOLITA1\_1 | South Texas # 1 & # 2 | Blessing - Lolita 138kV | 5 | $135,888.43 |  |  |
| DSLKSOL5 | 138\_FLT\_FXT\_1 | Sand Lake - Solstice line 1 and 2 | Foxtail Tnp - Flat Top Tnp 138kV | 11 | $132,217.67 |  |  |
| DRYSFOR5 | 1390\_\_F | RYSSW TO FORSW 345 AND RYSSW AUTO1 DBLCKT | Mesquite Forney Road - Buckner Home 138kV | 1 | $122,892.01 |  |  |
| DNOESGT5 | HARGRO\_TWINBU1\_1 | NOELKE - SINGLE TREE & NOELKE- SINGLE TREE 2 | Hargrove - Twin Buttes 138kV | 2 | $122,855.21 |  |  |
| DDILCOT8 | DILLEYSW\_XF1H | Dilleysw-Sanmgsw&Cotulas 138kV | Dilley Switch Aep 138kV | 11 | $122,788.12 |  |  |
| SCRMSAR8 | CONCHO\_VRBS1\_1 | SAN ANGELO RED CREEK to Weiss LIN 1 | San Angelo Concho - Veribest 69kV | 2 | $99,544.87 |  |  |
| MMCKLNC5 | 6380\_\_D | MAN\_DBL\_LNCRK-SWESW and MCKSW\_345kV\_6057A-6025B | Murray - Paint Creek 138kV | 2 | $95,375.65 |  |  |
| XCHL89 | 6755\_\_B | CHILDRESS WEST TRX 69T1 138/69 | Kma Tap - Holliday 69kV | 1 | $94,861.89 |  |  |
| MFOAVLO5 | FREER\_LOBO1\_1 | double FOWLERTON to AVANZADA & LOBO to FOWLERTON | Lobo - Freer 69kV | 3 | $94,534.60 |  |  |
| DGRMGRS8 | 6830\_\_B | FIREROCK TO BRNWD 138 AND FIREROCK TO BANGS 69 DBLCKT | Cottonwood Road Switch - Olney Pod 69kV | 6 | $90,797.50 |  |  |
| BASE CASE | SAMSW | Basecase | SAMSW GTC | 1 | $87,973.92 |  |  |
| DDILPE89 | POT\_PEAR\_1 | Dilleysw-Paloduro 138kV & Pearsall 69kV | Poteet Sub - Pearsall Switching Station 69kV | 4 | $80,067.68 |  |  |
| SDUKNED8 | ADERHO\_HEC1\_1 | DUKE / HEC to NORTH EDINBURG LIN 1 | Aderhold Sub - Hidalgo Energy Center 138kV | 1 | $79,362.49 |  |  |
| SCOLBAL8 | SANA\_FMR1 | COLEMAN LAKE IVIE TAP to COLEMAN LAKE IVIE TAP LIN 1 | Santa Anna 138kV | 1 | $78,630.19 |  |  |
| DMTSCOS5 | 6240\_\_C | DMTSW TO SCOSW 345 DBLCKT | Sacroc - Deep Creek Sub 138kV | 7 | $76,428.65 |  |  |
| SMENLYT8 | 366T150\_1 | LYTTON SPRINGS to LYTTON SPRINGS LIN 1 | Alum Creek - Sim Gideon 138kV | 1 | $74,246.41 |  |  |
| SEUSWLT8 | BRTNWLTN\_RC\_1 | EUSTACE SOUTHEAST to WALTON LIN 1 | Walton Switching Station - Barton Chapel 138kV | 1 | $72,770.83 |  |  |
| MMCKSWE5 | BLUF\_C\_MULBER1\_1 | MAN\_DBL\_SWESW-LNKCRK and MCKSW\_345kV\_6057A-6026B | Bluff Creek - Abilene Mulberry Creek 345kV | 6 | $72,754.69 |  |  |
| SWLTBRT8 | EUSTWLTN\_RC\_1 | BARTON CHAPEL to BARTON CHAPEL LIN 1 | Eustace Southeast - Walton Switching Station 138kV | 1 | $72,420.83 |  |  |
| SEUSWLT8 | BLASCOFE\_RC\_1 | EUSTACE SOUTHEAST to WALTON LIN 1 | Coffee - Blackburn Switch 138kV | 1 | $72,362.49 |  |  |
| DSNG\_TB5 | NB\_THW97\_A | Sng-Tb&Rns 345kV | North Belt - Th Wharton 345kV | 2 | $69,978.15 |  |  |
| SHAYZO25 | 6T227\_1 | HAYS ENERGY to ZORN LIN 1 | Zorn - Hays Energy 345kV | 3 | $68,886.01 |  |  |
| DCAGCO58 | 656T656\_1 | Cagnon-Kendal 345 & Cico-Comfor 138 | Bergheim - Kendall 345kV | 2 | $68,809.02 |  |  |
| SCRMSAR8 | ORNT\_REDCRE1\_1 | SAN ANGELO RED CREEK to Weiss LIN 1 | Orient - San Angelo Red Creek 138kV | 1 | $54,803.93 |  |  |
| DBIGSCH5 | CROSSO\_NORTMC1\_1 | Big Hill - Schneeman Draw & Big Hill - Schneeman Draw 2 | North Mccamey - Crossover 138kV | 5 | $54,318.21 |  |  |
| SROCRIN8 | ARANSA\_GREGOR1\_1 | RINCON to RINCON LIN 1 | Aransas Pass - Gregory 69kV | 1 | $54,193.84 |  |  |
| MBIGLYL9 | BIG\_FO\_PLEASA1\_1 | BIG\_FOOT to DEVINE to LYTLE2 | Big Foot - Pleasanton 138kV | 7 | $54,086.12 |  |  |
| STHSVE65 | 35065\_\_A | SAM SWITCH to VENUS SWITCH LIN \_A | Fort Smith Switch - Files Valley Switch 345kV | 2 | $51,898.72 |  |  |
| SCARFRI8 | ATSO\_SONR1\_1 | Carver to Carver LIN 1 | Atlantic Sonora - Sonora 69kV | 3 | $51,120.99 |  |  |
| DBAKCED5 | LVOK\_SANTIA1\_1 | BAKESW-CEDACA 345kV & BAKESW-CEDACA 345kV | Live Oak Aep - Santiago 138kV | 1 | $40,924.83 |  |  |
| MLOFOAV5 | ASHERT\_CATARI1\_1 | double LOBO to AVANZADA & LOBO to FOWLERTON | Asherton - Catarina 138kV | 5 | $39,426.80 |  |  |
| DSGTSCH5 | HARGRO\_TWINBU1\_1 | SINGLE TREE- SCHNEEMAN DRAW & SINGLE TREE- SCHNEEMAN DRAW 2 | Hargrove - Twin Buttes 138kV | 1 | $39,320.16 |  |  |
| DSCOTKW5 | 6215\_\_A | SCOSW TO TKWSW 345 DBLCKT | Bluff Creek Switch - China Grove Switch 138kV | 2 | $34,919.25 |  |  |
| MHARNED5 | BURNS\_RIOHONDO\_1 | Manual dbl ckt for NEDIN-BONILLA 345kV & RIOH-PRIM138kV | Burns Sub - Rio Hondo 138kV | 4 | $34,455.61 |  |  |
| BASE CASE | WHARTN | Basecase | WHARTN GTC | 6 | $33,296.78 |  |  |
| XTOR89 | POT\_PEAR\_1 | Tordillo 138\_69 TRX TORD 138/69 | Poteet Sub - Pearsall Switching Station 69kV | 3 | $31,683.83 |  |  |
| XCAR89 | ELDO\_LVOK1\_1 | Carver TRX T1 138/69 | Eldorado - Live Oak Aep 69kV | 1 | $30,207.25 |  |  |
| SCROSAN8 | BIG\_FO\_PLEASA1\_1 | CROSS to CROSS LIN 1 | Big Foot - Pleasanton 138kV | 1 | $29,922.45 |  |  |
| DVENFTS5 | 505\_\_B | VENSW-FTSSW & VENSW-SAMSW 345 DBLCKT | Tradinghouse Ses - Four Brothers Switch 345kV | 1 | $29,911.49 |  |  |
| SBRAHAM8 | ESCOND\_GANSO1\_1 | BRACKETTVILLE to HAMILTON ROAD LIN 1 | Escondido - Ganso 138kV | 2 | $29,345.24 |  |  |
| SE4BIG8 | BIG\_FOOT\_69A1 | BIG FOOT to PLEASANTON LIN 1 | Big Foot 138kV | 4 | $29,166.29 |  |  |
| MLOFOAV5 | ASHERT\_CATARI1\_1 | double LOBO to AVANZADA & LOBO to FOWLERTON | Asherton - Catarina 138kV | 5 | $29,058.63 |  |  |
| BASE CASE | VALEXP | Basecase | VALEXP GTC | 3 | $28,508.59 |  |  |
| SWLALCS8 | 1025\_\_B | WACO EAST to WACO LASALLE LIN \_A | Mclane Switch - Frow Sub 138kV | 1 | $28,203.71 |  |  |
| DMTSCOS5 | 6437\_\_A | DMTSW TO SCOSW 345 DBLCKT | Bluff Creek Switch - Knapp 138kV | 1 | $26,266.60 |  |  |
| DDILPE89 | BIG\_FOOT\_69A1 | Dilleysw-Paloduro 138kV & Pearsall 69kV | Big Foot 138kV | 1 | $25,310.10 |  |  |
| SCT2CAR8 | HAMILT\_MAXWEL1\_1 | CAUTHORN to Carver LIN 1 | Hamilton Road - Maxwell 138kV | 4 | $25,004.98 |  |  |
| DGRSLNC5 | EAST\_REAC\_SEC\_\_1 | GRSES TO CFRSW AND GRSES TO LNCRK 345 DBLCKT | #N/A | 2 | $24,847.30 |  |  |
| DBIGSCH5 | CROSSO\_PALOUS1\_1 | Big Hill - Schneeman Draw & Big Hill - Schneeman Draw 2 | Crossover - Palouse 138kV | 1 | $24,496.16 |  |  |
| DWPWFCK5 | STPWAP39\_1 | TWR(345) WAP-WLF64 & CCK-WLY72 | South Texas Project - Wa Parish 345kV | 1 | $23,393.47 |  |  |
| SDIMBEV8 | UVALDE\_W\_BATE1\_1 | BEVO to BEVO LIN 1 | Uvalde Aep - West Batesville 138kV | 2 | $23,339.85 |  |  |
| MHARNED5 | HAINE\_\_OLEAND1\_1 | Manual dbl ckt for NEDIN-BONILLA 345kV & RIOH-PRIM138kV | Oleander - Haine Drive 138kV | 1 | $19,622.56 |  |  |
| SELMTH25 | 1025\_\_B | ELM MOTT to ELM MOTT LIN \_A | Mclane Switch - Frow Sub 138kV | 1 | $19,095.75 |  |  |
| SRAZDRY8 | 2585\_1 | RAZORBACK to DRYFRIO LIN 1 | Moore Switching Station - Downie Switching Station 138kV | 3 | $19,049.24 |  |  |
| XCAG158 | CAGNON\_MR4H | CAGNON TRX CAGNON\_3\_3 345/138 | Cagnon 345kV | 2 | $18,771.65 |  |  |
| BASE CASE | 138\_WBT\_WBN\_1 | Basecase | Wolfbone Tap Tnp - Wolfbone Tnp 138kV | 1 | $16,496.89 |  |  |
| SDIMBEV8 | BRACKE\_ESCOND1\_1 | BEVO to BEVO LIN 1 | Brackettville - Escondido 138kV | 8 | $16,054.04 |  |  |
| SHONF38 | HONDO\_CASTROSW\_1 | HONDO to HONDO CREEK SWITCHING STATION LIN 1 | Hondo Creek Switching Station - Castroville Switch 69kV | 1 | $14,061.99 |  |  |
| DFERGRM8 | CORONA\_AT4 | Ferguson-Sherwood Shores & Ferguson-Granite Mountain 138kV | Coronado 138kV | 1 | $13,983.94 |  |  |
| XUVA189 | CHAPAR\_TURTLC1\_1 | UVALDE AEP TRX T1 138/69 | Turtle Creek Switching Station - Chaparrosa Tap 69kV | 2 | $13,478.67 |  |  |
| SMADSAP8 | MADDUX\_SAPOWE2\_1 | MADDUX to SAN ANGELO POWER STATION LIN 1 | Maddux - San Angelo Power Station 138kV | 4 | $13,384.67 |  |  |
| DVICEDN8 | VND\_PLCE\_1 | Victoria-El\_Campo&Lolita 138kV | Vanderbilt 69 Sub - Placedo Sub 69kV | 2 | $13,320.11 |  |  |
| SBAKCED5 | BAKRFLD\_CEDCAN\_1 | BAKERSFIELD SWITCHYARD to CEDAR CANYON LIN 1 | Cedar Canyon - Bakersfield 345kV | 1 | $13,190.07 |  |  |
| SSTAPYO8 | 138\_IH2\_COT\_1 | PYOTE TNP to PYOTE TNP LIN 1 | Ih 20 Tnp - Collie Field Tap Tnp 138kV | 8 | $12,745.48 |  |  |
| SCONMGS5 | 6056\_\_A | CONSAVVY SWITCH to CONSAVVY SWITCH LIN \_A | Longshore Switch - Consavvy Switch 345kV | 1 | $12,710.58 |  |  |
| XBAL89 | CONCHO\_VRBS1\_1 | BALLINGER TRX FMR1 138/69 | San Angelo Concho - Veribest 69kV | 1 | $11,985.93 |  |  |
| DRAZHON8 | 2585\_1 | RAZORBACK - CASTROVILLE 138 & HONDOCR - CASTROVILLE SW 138 | Moore Switching Station - Downie Switching Station 138kV | 1 | $10,701.47 |  |  |
| SLARLOB8 | ASHERT\_CATARI1\_1 | LAREDO VFT NORTH to LAREDO VFT NORTH LIN 1 | Asherton - Catarina 138kV | 1 | $10,448.85 |  |  |
| STNPTO25 | 345\_TWN\_WLO\_1 | TNP ONE PLANT to TNP ONE PLANT LIN 1 | Twin Oak Switch - Willow Switching Station Tnp 345kV | 1 | $10,416.38 |  |  |
| SLAQLOB8 | BRUNI\_69\_1 | LAQUINTA to LOBO LIN 1 | Bruni Sub 138kV | 5 | $10,377.43 |  |  |
| DBUCRGP5 | 651\_\_B | MANUAL DOUBLE RGPSW - KLNSW 345 KV & BUCSW - KLNSW 345 KV | Comanche Tap - Comanche Switch (Oncor) 138kV | 2 | $10,294.57 |  |  |
| MTWECE25 | SAMATH\_TANK1\_1 | Manual Double TWELVE to CEDACA LIN 1 & TWELVE to CEDACA LIN 2 | San Angelo Mathis Field - Tankersley 69kV | 1 | $9,781.51 |  |  |
| SSO2SLK5 | 138\_FLT\_FXT\_1 | SAND LAKE SWITCH to SAND LAKE SWITCH LIN 1 | Foxtail Tnp - Flat Top Tnp 138kV | 1 | $9,297.40 |  |  |
| MLONPK25 | 6375\_\_A | MAN\_DBL\_PKRSW-GRSES\_PKRSW-LONSW\_345KV | Graham Ses - Graham East 138kV | 1 | $9,005.82 |  |  |
| SHENPAI8 | ABNTHW\_SERDEV1\_1 | HENDRICK to HENDRICK LIN 1 | #N/A | 1 | $8,164.91 |  |  |
| SBRAUVA8 | BRACKE\_ESCOND1\_1 | ODLAW SWITCH to ASPHALT MINES LIN 1 | Brackettville - Escondido 138kV | 4 | $8,155.77 |  |  |
| SRA2D18 | 2585\_1 | Quihi Tap to Quihi Tap LIN 1 | Moore Switching Station - Downie Switching Station 138kV | 1 | $7,660.99 |  |  |
| SPADCHL8 | 6760\_\_A | CHILDRESS WEST to CHILDRESS WEST LIN 1 | Electra - Waggoner 69kV | 1 | $7,466.67 |  |  |
| MFOAVLO5 | ASHERT\_CATARI1\_1 | double FOWLERTON to AVANZADA & LOBO to FOWLERTON | Asherton - Catarina 138kV | 4 | $7,014.61 |  |  |
| SZENTH35 | THWZEN71\_A | TH WHARTON to Zenith LIN A | Th Wharton - Zenith 345kV | 1 | $6,156.29 |  |  |
| BASE CASE | E\_PATA | Basecase | E\_PATA GTC | 1 | $4,892.93 |  |  |
| SES2FRI8 | BIGLAK\_PHBL\_T1\_1 | Esmeralda to Esmeralda LIN 1 | Big Lake - Big Lake Phillips Tap 69kV | 1 | $4,189.85 |  |  |
| SLCSTH25 | 505\_\_B | LAKE CREEK SES to LAKE CREEK SES LIN \_A | Tradinghouse Ses - Four Brothers Switch 345kV | 1 | $4,148.41 |  |  |
| SSTAWIC8 | 138\_IH2\_COT\_1 | STAGHORN TNP to WICKETT TNP LIN 1 | Ih 20 Tnp - Collie Field Tap Tnp 138kV | 8 | $3,894.25 |  |  |
| DRICCOR8 | VND\_PLCE\_1 | RICEBI-ETP 138kV&LOUISES-CORDELE 69kV | Vanderbilt 69 Sub - Placedo Sub 69kV | 1 | $3,867.31 |  |  |
| DD1RAZ\_8 | 2585\_1 | CASTRVLL-QUIHI&RAFTER & QUIHI-RAZORB | Moore Switching Station - Downie Switching Station 138kV | 2 | $3,861.91 |  |  |
| DRNS\_TB5 | MDOPHR99\_A | Rns-Rtw & Sng-Tb 345kV | Meadow - Ph Robinson 345kV | 1 | $3,817.46 |  |  |
| SBRAPIN8 | ESCOND\_GANSO1\_1 | BRACKETTVILLE to BRACKETTVILLE LIN 1 | Escondido - Ganso 138kV | 2 | $3,646.91 |  |  |
| DCAGCI58 | 255T279\_1 | Cagnon-Kendal 345 &Cico-Mengcr 138 | Medina Lake - Pipe Creek 138kV | 1 | $3,635.97 |  |  |
| SMDOPHR5 | 138\_ALV\_NAL\_1 | MEADOW to PH ROBINSON LIN A | North Alvin Tnp - Alvin Tnp 138kV | 1 | $3,556.05 |  |  |
| SRICGRS8 | 6840\_\_B | GRAHAM SES to RICE SWITCH LIN \_A | Anarene - Navy Kickapoo Switch 69kV | 1 | $3,453.50 |  |  |
| SSCLWF18 | 6840\_\_B | WINDTHORST SWITCH to RICE SWITCH LIN \_C | Anarene - Navy Kickapoo Switch 69kV | 1 | $3,077.23 |  |  |
| DWLDSCO5 | 6217\_\_A | LONG DRAW-FARADAY& SCOSW 345kV | Willow Valley Switch - Gail Sub 138kV | 1 | $2,983.03 |  |  |
| SBRAESC8 | HAMILT\_MAVERI1\_1 | BRACKETTVILLE to ESCONDIDO LIN 1 | Hamilton Road - Maverick 138kV | 3 | $2,927.21 |  |  |
| SMCEESK8 | EAST\_REAC\_SEC\_\_1 | MCELMURRAY to ESKOTA SWITCH LIN 1 | #N/A | 1 | $2,197.71 |  |  |
| SBSPBUZ8 | 6135\_\_F | BIG SPRING SWITCH to BUZZARD DRAW SWITCH LIN \_A | Gunsight Switch - High Plain Pods 138kV | 1 | $1,964.74 |  |  |
| SMCEABS8 | MKLT\_TRNT1\_1 | ABILENE SOUTH to ABILENE SOUTH LIN 1 | Merkel Tap - Trent 69kV | 1 | $1,753.92 |  |  |
| SENWSHK8 | 941\_\_C | ENNIS WEST SWITCH to ENNIS WEST SWITCH LIN \_B | Ennis West Switch - Ennis South 138kV | 1 | $1,539.22 |  |  |
| STORSAN8 | POT\_PEAR\_1 | SAN MIGUEL 345\_138 KV SWITCHYARDS to Tordillo 138\_69 LIN 1 | Poteet Sub - Pearsall Switching Station 69kV | 1 | $1,415.60 |  |  |
| SVICCO28 | COLETO\_VICTOR2\_1 | COLETO CREEK to VICTORIA LIN 1 | Coleto Creek - Victoria 138kV | 1 | $1,348.98 |  |  |
| SBRAHAM8 | HAMILT\_MAVERI1\_1 | BRACKETTVILLE to HAMILTON ROAD LIN 1 | Hamilton Road - Maverick 138kV | 1 | $1,257.33 |  |  |
| DD1RAZ\_8 | READIN\_UVALDE1\_1 | CASTRVLL-QUIHI&RAFTER & QUIHI-RAZORB | Uvalde Aep - Reading 138kV | 1 | $1,213.06 |  |  |
| SBRAPIN8 | ESCOND\_GANSO1\_1 | BRACKETTVILLE to BRACKETTVILLE LIN 1 | Escondido - Ganso 138kV | 2 | $1,149.32 |  |  |
| MNOETW25 | 6056\_\_A | Manual Double NOELKE to TWELVE LIN 1 & NOELKE to TWELVE LIN 2 | Longshore Switch - Consavvy Switch 345kV | 1 | $1,127.10 |  |  |
| SENSENW8 | 943\_\_B | ENNIS SOUTH to ENNIS SOUTH LIN \_C | Shankle Switch - Ennis West Switch 138kV | 1 | $983.01 |  |  |
| DMCEBUT8 | MKLT\_TRNT1\_1 | McElmurray - Eskota Sw & Butman 138kV | Merkel Tap - Trent 69kV | 1 | $756.37 |  |  |
| SCROSAN8 | POT\_PEAR\_1 | CROSS to CROSS LIN 1 | Poteet Sub - Pearsall Switching Station 69kV | 1 | $596.86 |  |  |
| XFTS89 | ALPINE\_BRONCO1\_1 | FORT STOCKTON PLANT TRX 69T1 138/69 | Alpine - Bronco 69kV | 1 | $594.78 |  |  |
| SBUZLME8 | 6217\_\_A | BUZZARD DRAW SWITCH to BUZZARD DRAW SWITCH LIN \_A | Willow Valley Switch - Gail Sub 138kV | 1 | $502.50 |  |  |
| MRGRMGS5 | 6215\_\_A | MAN\_SGL\_RGRSW-MGSES\_345KV | Bluff Creek Switch - China Grove Switch 138kV | 1 | $497.02 |  |  |
| STRECFL8 | MADDUX\_SAPOWE1\_1 | Treadwell to CFLATS SUBSTATION LIN 1 | Maddux - San Angelo Power Station 138kV | 1 | $177.65 |  |  |
| DMOSME25 | 6345\_\_L | MOSSW-METSW\_345\_AND\_ODEHV-WLFSW\_345\_DBLCKT | Wolf Switching Station - Sandhills Tap 138kV | 1 | $76.45 |  |  |
| SSOLALM8 | COCS\_FTST1\_1 | Hayter Tap to Hayter Tap LIN 1 | Conoco Comp Station - Fort Stockton Plant 69kV | 1 | $58.47 |  |  |

## Manual Overrides

None

## Generic Transmission Constraint Congestion

|  |  |
| --- | --- |
| GTC | Days Congestion |
| Zapata to Starr | 28 |
| North Edinburg to Lobo | 28 |
| Hamilton County | 30 |
| Nelson Sharpe to Rio Hondo | 27 |
| Panhandle GTC | 12 |
| South Texas Export (E\_PATA) | 15 |
| South Texas Export (E\_PASP) | 24 |
| West Texas Export | 13 |
| North to Houston | 24 |
| SAMSW | 1 |
| Wharton County | 16 |
| Valley Export | 4 |
| McCamey GTC | 3 |

There was no activity on the remaining GTCs during the month.

Note: This is how many times a constraint has been activated to avoid exceeding a GTC limit, it does not imply an exceedance of the GTC occurred or that the GTC was binding.

## Congestion Costs for Calendar Year 2025

The following table represents the top twenty active constraints for the calendar year based on the estimated congestion rent attributed to the congestion. ERCOT updates this list on a monthly basis.

|  |  |  |  |
| --- | --- | --- | --- |
| **Contingency** | **Overloaded Element** | **# of 5-min SCED** | **Estimated Congestion Rent (2025)** |
| wett\_long\_draw to Volta LIN 1 | Koch Tap - Vealmoor 138kV | 24,541 | 124,978,586.14 |
| Basecase | WESTEX GTC | 12,821 | 74,911,957.85 |
| BAKESW-CEDACA 345kV & BAKESW-CEDACA 345kV | Longshore Switch - Consavvy Switch 345kV | 15,419 | 73,861,237.08 |
| BAKESW-CEDACA 345kV & BAKESW-CEDACA 345kV | Hargrove - Twin Buttes 138kV | 10,873 | 62,319,406.72 |
| DMTSW TO SCOSW 345 DBLCKT | Knapp - Scurry Chevron 138kV | 15,744 | 45,692,551.05 |
| Manual dbl ckt for NEDIN-BONILLA 345kV & RIOH-PRIM138kV | Haine Drive - La Palma 138kV | 17,621 | 42,883,330.64 |
| TWR(345) WAP-WLF64 & WAP-WLY72 | South Texas Project - Wa Parish 345kV | 7,840 | 38,022,285.12 |
| double FOWLERTON to AVANZADA & LOBO to FOWLERTON | Laredo Vft North - Las Cruces 138kV | 11,808 | 34,240,912.07 |
| CONSAVVY SWITCH to CONSAVVY SWITCH LIN \_A | Morgan Creek Ses 345kV | 1,331 | 30,533,298.96 |
| RNKSW TO LWSSW 345 AND RNKSW TO W DENT 345 DBLCKT | Roanoke Switch 138kV | 1,319 | 27,256,955.51 |
| Basecase | PNHNDL GTC | 15,206 | 25,552,199.51 |
| MAN\_DBL\_WLFSW-METSW+ODEHV-WLFSW\_345KV | Odessa Ehv Switch - Yarbrough Sub 138kV | 2,175 | 22,188,043.75 |
| Bighil-Kendal 345kV | Yellow Jacket - Fort Mason 138kV | 2,858 | 20,082,244.86 |
| TMPSW TO KNBSW 345 AND TMPSW TO BELCNTY 138 DBLCKT | Georgetown South - Round Rock Westinghouse 138kV | 585 | 19,873,276.12 |
| Basecase | NE\_LOB GTC | 19,227 | 19,797,902.85 |
| SALSW - HUTTO 345KV | Bell County - Salado Switch 138kV | 3,700 | 19,638,015.64 |
| TWR (345) WAP-BI50 & SMITHERS-BI98 | Wa Parish - Jeanetta 345kV | 6,352 | 19,431,617.48 |
| MAN\_DBL\_MOSSW-METSW+ODEHV-WLFSW\_345KV | Odessa Ehv Switch - Yarbrough Sub 138kV | 4,257 | 18,786,247.52 |
| LWSSW TO RNKSW AND LWSSW TO KRWSW 345 DBLCKT | Roanoke Switch 138kV | 946 | 18,750,646.30 |
| BLACKWATER DRAW SWITCH to DOUBLE MOUNTAIN SWITCH LIN 1 | Mackenzie Substation - Northeast Substation 115kV | 6,777 | 18,283,823.89 |

# System Events

## ERCOT Peak Load

The unofficial ERCOT peak load for June 2025 was 77,351 MW and occurred on 6/19/2025 during hour ending 17:00, this is 2,346 MW less than the June 2024 demand of 79,697 MW on 6/30/2024 during hour ending 18:00. Instantaneous peak for June 2025 was 78,411 MW. Actual instantaneous peak for the same month last year was 80,629 MW.

## Load Shed Events

ERCOT instructed a Load Curtailment totaling 10 MW in the Childress area of the ERCOT Region due to multiple Forced Outages causing severe post contingent overloads on June 8, 2025.

## Stability Events

None.

## Notable PMU Events

ERCOT analyzes PMU data for any significant system disturbances that do not fall into the Frequency Events category reported in section 2.1. The results are summarized in this section once the analysis has been completed.

There were no PMU events outside of those reported in section 2.1.

## DC Tie Curtailment

None.

## TRE/DOE Reportable Events

Oncor Submitted a DOE-417 for 06/09/25 - Loss of electric service to more than 50,000 customers for 1 hour or more.

## New/Updated Constraint Management Plans

* New MPs: MP\_2025\_44
* Updated MPs: MP\_2025\_17 REV1
* New PCAP: None
* Updated PCAP: PCAP\_2025\_01 REV1

## New/Modified/Removed RAS

None.

## New Procedures/Forms/Operating Bulletins

|  |  |  |
| --- | --- | --- |
| **Date** | **Subject** | **Bulletin No.** |
| 06/27/2025 | Transmission and Security Desk V1 Rev 120 | 1183 |
| 06/27/2025 | Scripts V1 Rev 67 | 1182 |
| 06/27/2025 | Resource Desk V1 Rev 84 | 1181 |

# Emergency Conditions

## OCNs

None.

## Advisories

|  |  |
| --- | --- |
| **Date and Time** | **Message** |
| June 1, 2025 5:30 PM | At 1718 Advisory issued due to ERCOT’s Transient Security Assessment Tool is currently unavailable. |
| June 1, 2025 2:59 AM | Advisory issued due to the Space Weather Prediction Center issuing a GMD ALERT of K7 until June 1, 2025 at 1600. |

## Watches

|  |  |
| --- | --- |
| **Date and Time** | **Message** |
| June 8, 2025 9:05 PM | Watch issued Due to wind gusts up to 90 mph in the North Texas area including the DFW area within the ERCOT Region from June 8, 2025 evening to June 9, 2025 morning. |

## Emergency Notices

|  |  |
| --- | --- |
| **Date and Time** | **Message** |
| June 8, 2025 8:10 PM | Emergency Notice issued due to a post contingency overload in the Northwest Texas Region, ERCOT instructed a Load Curtailment totaling 10 MW in the Childress area of the ERCOT Region due to multiple Forced Outages causing severe post contingent overloads on June 8, 2025. |

# Application Performance

## TSAT/VSAT Performance Issues

None

## Communication Issues

None.

## Market System Issues

None.

# Model Updates

The Downstream Production Change (DPC) process allows ERCOT to make changes in the one-line Network Operations Model without loading a completely new model. The purpose of this process is to allow for reliable grid operations as system conditions change between designated Network Operations Model database loads. The DPC process is limited in scope to just those items listed below, with equipment ratings updates being the most common. ERCOT has seen a rise in the use of the DPC process to make on-line updates to the Network Operations Model in recent years, instead of through the standard Network Operations Model Change Request process.

* Static Line ratings (Interim Update)
* Dynamic Line ratings (non-Interim Update)
* Autotransformer ratings (non-Interim Update)
* Breaker and Switch Normal status (Interim Update)
* Contingency Definitions (Interim Update)
* RAP and RAS changes or additions (Interim Update)
* Net Dependable and Reactive Capability (NDCRC) values (Interim Update)
* Impedance Updates (non-Interim)

A total of 35 DPCs were implemented in June 2025. 256 DPCs have been implemented year to date. DPCs submitted by TDSPs are mainly updates to transmission element ratings. DPCs submitted by ERCOT are mainly updates to manual contingency definitions.

|  |  |
| --- | --- |
| **Transmission Operator** | **Number of DPCs** |
| AEP TEXAS COMPANY (TDSP) | 4 |
| BRAZOS ELECTRIC POWER CO OP INC (TDSP) | 0 |
| BROWNSVILLE PUBLIC UTILITIES BOARD (TDSP) | 0 |
| BRYAN TEXAS UTILITIES (TDSP) | 0 |
| CENTERPOINT ENERGY HOUSTON ELECTRIC LLC (TDSP) | 5 |
| CITY OF AUSTIN DBA AUSTIN ENERGY (TDSP) | 0 |
| CITY OF COLLEGE STATION (TDSP) | 0 |
| CITY OF GARLAND (TDSP) | 0 |
| CPS ENERGY (TDSP) | 0 |
| CROSS TEXAS TRANSMISSION LLC (TSP)) | 0 |
| DENTON MUNICIPAL ELECTRIC (TDSP) | 0 |
| ELECTRIC TRANSMISSION TEXAS LLC (TDSP) | 0 |
| ERCOT | 0 |
| LCRA TRANSMISSION SERVICES CORPORATION (TDSP) | 19 |
| LONE STAR TRANSMISSION LLC (TSP) | 0 |
| ONCOR ELECTRIC DELIVERY COMPANY LLC (TDSP) | 5 |
| PEDERNALES ELECTRIC CO OP INC (TDSP) | 0 |
| RAYBURN COUNTRY CO OP DBA RAYBURN ELECTRIC (TDSP) | 0 |
| SHARYLAND UTILITIES LP (TDSP) | 0 |
| SOUTH TEXAS ELECTRIC CO OP INC (TDSP) | 1 |
| TEXAS MUNICIPAL POWER AGENCY (TDSP) | 0 |
| TEXAS-NEW MEXICO POWER CO (TDSP) | 1 |
| WIND ENERGY TRANSMISSION TEXAS LLC (TSP) | 0 |

# Appendix A: Real-Time Constraints

The following is a complete list of constraints activated in SCED. Full contingency descriptions can be found in the Standard Contingencies List located on the MIS secure site at Grid 🡪 Generation 🡪 Reliability Unit Commitment.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Year | Month | Contingency Name | Overloaded Element | From Station | To Station | Count of Days |
| 2025 | June | BASE CASE | HMLTN | n/a | n/a | 30 |
| 2025 | June | MFOAVLO5 | LARDVN\_LASCRU1\_1 | LARDVNTH | LASCRUCE | 29 |
| 2025 | June | BASE CASE | NE\_LOB | n/a | n/a | 28 |
| 2025 | June | DMTSCOS5 | 6437\_\_F | SCRCV | KNAPP | 28 |
| 2025 | June | SW\_LVLT5 | 15060\_\_B | VEALMOOR | KOCHTAP | 28 |
| 2025 | June | BASE CASE | ZAPSTR | n/a | n/a | 28 |
| 2025 | June | BASE CASE | NELRIO | n/a | n/a | 27 |
| 2025 | June | DBAKCED5 | 6056\_\_A | LNGSW | CONSW | 27 |
| 2025 | June | DWPWFWP5 | STPWAP39\_1 | STP | WAP | 26 |
| 2025 | June | BASE CASE | N\_TO\_H | n/a | n/a | 24 |
| 2025 | June | BASE CASE | E\_PASP | n/a | n/a | 24 |
| 2025 | June | DDILPE89 | BIG\_FO\_PLEASA1\_1 | BIG\_FOOT | PLEASANT | 24 |
| 2025 | June | DDILPE89 | BIG\_FO\_PLEASA1\_1 | PLEASANT | BIG\_FOOT | 24 |
| 2025 | June | DSALHUT5 | 1710\_\_C | BELCNTY | SALSW | 23 |
| 2025 | June | DFMRCYC5 | 205\_\_A | MNSES | SSPSW | 23 |
| 2025 | June | DRAZSA89 | READIN\_UVALDE1\_1 | UVALDE | READING | 22 |
| 2025 | June | MPEABIG8 | POT\_PEAR\_1 | PEARSALL | POTEETS | 22 |
| 2025 | June | DWAP\_OB5 | MDOPHR99\_A | MDO | PHR | 22 |
| 2025 | June | DBIGKEN5 | TREADW\_YELWJC1\_1 | TREADWEL | YELWJCKT | 21 |
| 2025 | June | XBIG89 | BIG\_FO\_PLEASA1\_1 | BIG\_FOOT | PLEASANT | 20 |
| 2025 | June | DRAZSA89 | 2585\_1 | DOWNIES | MOORE | 19 |
| 2025 | June | SPLSFAS9 | POT\_PEAR\_1 | PEARSALL | POTEETS | 19 |
| 2025 | June | SBRAPIN8 | HAMILT\_MAVERI1\_1 | HAMILTON | MAVERICK | 19 |
| 2025 | June | DBIGSCH5 | PALOUS\_WOLFCA1\_1 | PALOUSE | WOLFCAMP | 18 |
| 2025 | June | MHARNED5 | HAINE\_\_LA\_PAL1\_1 | LA\_PALMA | HAINE\_DR | 17 |
| 2025 | June | STHSVE65 | 35050\_\_B | FTSSW | VENSW | 17 |
| 2025 | June | BASE CASE | WHARTN | n/a | n/a | 16 |
| 2025 | June | BASE CASE | E\_PATA | n/a | n/a | 15 |
| 2025 | June | SCMNCPS5 | 651\_\_B | CMNSW | CMNTP | 14 |
| 2025 | June | SN\_SAJO5 | LASPUL\_RAYMND1\_1 | LASPULGA | RAYMND2 | 14 |
| 2025 | June | MXMU158 | ORNT\_REDCRE1\_1 | REDCREEK | ORNT | 14 |
| 2025 | June | DVLSPAC5 | 1561\_\_A | DPREA | RCSES | 14 |
| 2025 | June | DMTSCOS5 | 6240\_\_C | SACRC | DPCRK | 14 |
| 2025 | June | DBIGKEN5 | HAMILT\_MAXWEL1\_1 | MAXWELL | HAMILTON | 14 |
| 2025 | June | DBAKCED5 | HARGRO\_TWINBU1\_1 | TWINBU | HARGROVE | 14 |
| 2025 | June | DSLKSOL5 | 138\_FLT\_FXT\_1 | TNFXTAIL | FLAT\_TOP | 14 |
| 2025 | June | DELMSAN5 | POT\_OAKS\_1 | POTEETS | OAKS9 | 14 |
| 2025 | June | BASE CASE | WESTEX | n/a | n/a | 13 |
| 2025 | June | DDILCOT8 | DILLEYSW\_XF1H | DILLEYSW | DILLEYSW | 13 |
| 2025 | June | SKLELOY8 | LOYOLA\_69\_1 | LOYOLA | LOYOLA | 13 |
| 2025 | June | DBIGKEN5 | MADDUX\_TREADW1\_1 | MADDUX | TREADWEL | 13 |
| 2025 | June | DZORHAY5 | BERGHE\_AT1H | BERGHE | BERGHE | 13 |
| 2025 | June | MBIGLYL9 | BIG\_FO\_PLEASA1\_1 | BIG\_FOOT | PLEASANT | 12 |
| 2025 | June | BASE CASE | PNHNDL | n/a | n/a | 12 |
| 2025 | June | SE4BIG8 | BIG\_FOOT\_69A1 | BIG\_FOOT | BIG\_FOOT | 12 |
| 2025 | June | DWAP\_BI5 | JN\_WAP64\_A | WAP | JN | 11 |
| 2025 | June | SBWDDBM5 | LPLMK\_LPLNE\_1 | LPLMK | LPLNE | 11 |
| 2025 | June | SABIABM8 | ABNTHW\_SERDEV1\_1 | ABNTHWST | ABNTHWST | 11 |
| 2025 | June | SSTAPYO8 | 138\_IH2\_COT\_1 | IH20 | TNCOLIET | 10 |
| 2025 | June | SSTAWIC8 | 138\_IH2\_COT\_1 | IH20 | TNCOLIET | 10 |
| 2025 | June | XHA2S89 | OLS\_JNES\_1 | OLSEN | JNESBORO | 10 |
| 2025 | June | SRAYRI38 | HAINE\_\_LA\_PAL1\_1 | LA\_PALMA | HAINE\_DR | 10 |
| 2025 | June | MIDUMCL8 | I\_DUPS\_RESNIK2\_2 | I\_DUPSW | RESNIK | 10 |
| 2025 | June | DPHRCTR5 | MDOPHR99\_A | MDO | PHR | 10 |
| 2025 | June | MLOFOAV5 | ASHERT\_CATARI1\_1 | ASHERTON | CATARINA | 9 |
| 2025 | June | MLOFOAV5 | ASHERT\_CATARI1\_1 | CATARINA | ASHERTON | 9 |
| 2025 | June | SBRAPIN8 | ESCOND\_GANSO1\_1 | ESCONDID | GANSO | 8 |
| 2025 | June | SBRAPIN8 | ESCOND\_GANSO1\_1 | GANSO | ESCONDID | 8 |
| 2025 | June | DSNG\_TB5 | THWZEN71\_A | ZEN | THW | 8 |
| 2025 | June | SDIMBEV8 | BRACKE\_ESCOND1\_1 | BRACKETT | ESCONDID | 8 |
| 2025 | June | DRNS\_TB5 | THWZEN71\_A | ZEN | THW | 8 |
| 2025 | June | MLOFOAV5 | LARDVN\_LASCRU1\_1 | LARDVNTH | LASCRUCE | 8 |
| 2025 | June | MMCKSWE5 | BLUF\_C\_MULBER1\_1 | MULBERRY | BLUF\_CRK | 7 |
| 2025 | June | DRICLOU8 | VND\_PLCE\_1 | PLCEDOS | VANBLT69 | 7 |
| 2025 | June | SBRAHAM8 | BRACKE\_ESCOND1\_1 | BRACKETT | ESCONDID | 7 |
| 2025 | June | SMDOOAS5 | GN\_PZ\_08\_A | GN | PZ | 7 |
| 2025 | June | DD1RAZ\_8 | READIN\_UVALDE1\_1 | UVALDE | READING | 7 |
| 2025 | June | DMTSCOS5 | 6437\_\_A | KNAPP | BCKSW | 7 |
| 2025 | June | MMCKSWE5 | BLUF\_C\_MULBER1\_1 | BLUF\_CRK | MULBERRY | 7 |
| 2025 | June | SLAQLOB8 | BRUNI\_69\_1 | BRUNI | BRUNI | 7 |
| 2025 | June | MDTCRTH5 | 35050\_\_B | FTSSW | VENSW | 6 |
| 2025 | June | DWAP\_BI5 | BI\_JN\_64\_A | JN | BI | 6 |
| 2025 | June | MFOAVLO5 | FREER\_LOBO1\_1 | LOBO | FREER | 6 |
| 2025 | June | SMCEABS8 | MKLT\_TRNT1\_1 | TRNT | MKLT | 6 |
| 2025 | June | DGRSLNC5 | EAST\_REAC\_SEC\_\_1 | MULBERRY | MULBERRY | 6 |
| 2025 | June | SMCEESK8 | MKLT\_TRNT1\_1 | TRNT | MKLT | 6 |
| 2025 | June | DGRMGRS8 | 6830\_\_B | CRDSW | OLNEY | 6 |
| 2025 | June | MFOAVLO5 | LASCRU\_MILO1\_1 | LASCRUCE | MILO | 6 |
| 2025 | June | DSTEXP12 | BLESSI\_LOLITA1\_1 | LOLITA | BLESSING | 6 |
| 2025 | June | SBRAUVA8 | BRACKE\_ESCOND1\_1 | BRACKETT | ESCONDID | 6 |
| 2025 | June | DBLW2JC5 | WAPWLY72\_A | WLY | WAP | 6 |
| 2025 | June | DMCEBUT8 | MKLT\_TRNT1\_1 | TRNT | MKLT | 5 |
| 2025 | June | SFMRRY25 | 381\_\_A | FMRVL | RYSSW | 5 |
| 2025 | June | SCT2CAR8 | HAMILT\_MAXWEL1\_1 | MAXWELL | HAMILTON | 5 |
| 2025 | June | DBIGSCH5 | SANTAR\_WOLFCA1\_1 | WOLFCAMP | SANTARIT | 5 |
| 2025 | June | DLWSRNK5 | 587\_\_A | ARGYL | LWSVH | 5 |
| 2025 | June | SEAGHAM8 | BRACKE\_ESCOND1\_1 | BRACKETT | ESCONDID | 5 |
| 2025 | June | DKG\_NB\_5 | MDOPHR99\_A | MDO | PHR | 5 |
| 2025 | June | DCPSST58 | 651\_\_B | CMNSW | CMNTP | 5 |
| 2025 | June | DBIGSCH5 | CROSSO\_NORTMC1\_1 | NORTMC | CROSSOVE | 5 |
| 2025 | June | MHARNED5 | LASPUL\_RAYMND1\_1 | LASPULGA | RAYMND2 | 5 |
| 2025 | June | MHARNED5 | BURNS\_RIOHONDO\_1 | RIOHONDO | MV\_BURNS | 5 |
| 2025 | June | XFTS89 | ALPINE\_BRONCO1\_1 | ALPINE | BRONCO | 4 |
| 2025 | June | DRNS\_TB5 | MDOPHR99\_A | MDO | PHR | 4 |
| 2025 | June | DDILPE89 | POT\_PEAR\_1 | PEARSALL | POTEETS | 4 |
| 2025 | June | DWPWFCK5 | STPWAP39\_1 | STP | WAP | 4 |
| 2025 | June | SBRAESC8 | HAMILT\_MAVERI1\_1 | HAMILTON | MAVERICK | 4 |
| 2025 | June | XTOR89 | POT\_PEAR\_1 | PEARSALL | POTEETS | 4 |
| 2025 | June | SBUZLME8 | 6217\_\_A | WLVSW | GAILS | 4 |
| 2025 | June | SBRTANT8 | EUSTWLTN\_RC\_1 | WALTSSRC | EUSTSERC | 4 |
| 2025 | June | SZENTH35 | THWZEN71\_A | ZEN | THW | 4 |
| 2025 | June | SFMRRYS5 | 400\_\_A | FMRVL | RYSSW | 4 |
| 2025 | June | XFTS89 | ALPINE\_BRONCO1\_1 | BRONCO | ALPINE | 4 |
| 2025 | June | SBRAPIN8 | GANSO\_MAVERI1\_1 | MAVERICK | GANSO | 4 |
| 2025 | June | SFTLMES8 | PALOUS\_WOLFCA1\_1 | PALOUSE | WOLFCAMP | 4 |
| 2025 | June | SMADSAP8 | MADDUX\_SAPOWE2\_1 | MADDUX | SAPOWER | 4 |
| 2025 | June | SRAZDRY8 | 2585\_1 | DOWNIES | MOORE | 4 |
| 2025 | June | SBRTANT8 | EUSTWLTN\_RC\_1 | EUSTSERC | WALTSSRC | 4 |
| 2025 | June | DBLBYWF5 | STPWAP39\_1 | STP | WAP | 4 |
| 2025 | June | BASE CASE | VALEXP | n/a | n/a | 4 |
| 2025 | June | SHAYZO25 | 6T227\_1 | HAYSEN | ZORN | 4 |
| 2025 | June | MFOAVLO5 | ASHERT\_CATARI1\_1 | CATARINA | ASHERTON | 4 |
| 2025 | June | SW\_LVLT5 | 15060\_\_A | KOCHTAP | BUZSW | 4 |
| 2025 | June | SVEAW\_L5 | 6217\_\_A | WLVSW | GAILS | 4 |
| 2025 | June | DELMSAN5 | BIG\_FO\_PLEASA1\_1 | BIG\_FOOT | PLEASANT | 4 |
| 2025 | June | DRNS\_TB5 | NB\_THW97\_A | THW | NB | 4 |
| 2025 | June | SRNKEXC5 | 108\_\_A | EXCSW | RNKSW | 3 |
| 2025 | June | MDFRYSK8 | SEA\_AAT1 | SEA | SEA | 3 |
| 2025 | June | DVICEDN8 | VND\_PLCE\_1 | PLCEDOS | VANBLT69 | 3 |
| 2025 | June | DBUCRGP5 | 651\_\_B | CMNSW | CMNTP | 3 |
| 2025 | June | SBROALP9 | COCS\_FTST1\_1 | COCS | FTST | 3 |
| 2025 | June | SBROALP9 | COCS\_FTST1\_1 | FTST | COCS | 3 |
| 2025 | June | DSALHUT5 | 270\_\_A | KNBSW | TMPSW | 3 |
| 2025 | June | DVENFTS5 | 505\_\_B | FBRSW | THSES | 3 |
| 2025 | June | XCAG158 | CAGNON\_MR4H | CAGNON | CAGNON | 3 |
| 2025 | June | DFOWSMG5 | GEO\_SIG\_1 | GEOWEST | SIGMOR | 3 |
| 2025 | June | DFRIILL8 | HAMILT\_MAXWEL1\_1 | MAXWELL | HAMILTON | 3 |
| 2025 | June | SILLFTL8 | HAMILT\_MAXWEL1\_1 | MAXWELL | HAMILTON | 3 |
| 2025 | June | SRN2EXC5 | 109\_\_A | EXCSW | RNKSW | 3 |
| 2025 | June | MMCKLNC5 | 6380\_\_D | MURRAY | PAINTCRE | 3 |
| 2025 | June | MMCCIDU8 | I\_DUPS\_RESNIK2\_2 | I\_DUPSW | RESNIK | 3 |
| 2025 | June | SWORBRD8 | 138\_WIC\_STG\_1 | WICKETT | STAGHORN | 3 |
| 2025 | June | MTWECE25 | 6056\_\_A | LNGSW | CONSW | 3 |
| 2025 | June | DBIGSCH5 | BIGLAK\_OWLS1\_1 | OWLS | BIGLAKE | 3 |
| 2025 | June | SCROSAN8 | BIG\_FO\_PLEASA1\_1 | BIG\_FOOT | PLEASANT | 3 |
| 2025 | June | BASE CASE | MCCAMY | n/a | n/a | 3 |
| 2025 | June | SMYRSPR8 | 595\_\_A | BNTSW | DCATR | 3 |
| 2025 | June | SCARFRI8 | ATSO\_SONR1\_1 | SONR | ATSO | 3 |
| 2025 | June | DBIGSCH5 | HARGRO\_TWINBU1\_1 | TWINBU | HARGROVE | 3 |
| 2025 | June | MNOETW25 | HARGRO\_TWINBU1\_1 | TWINBU | HARGROVE | 3 |
| 2025 | June | MTWECE25 | HARGRO\_TWINBU1\_1 | TWINBU | HARGROVE | 3 |
| 2025 | June | DCAGCO58 | 656T656\_1 | KENDAL | BERGHE | 3 |
| 2025 | June | DMGSBTR5 | 6036\_\_A | TKWSW | MGSES | 2 |
| 2025 | June | DHJWFCK5 | STPWAP39\_1 | STP | WAP | 2 |
| 2025 | June | SES2FRI8 | BIGLAK\_PHBL\_T1\_1 | BIGLAKE | PHBL\_TAP | 2 |
| 2025 | June | SCRMSAR8 | CONCHO\_VRBS1\_1 | CONCHO | VRBS | 2 |
| 2025 | June | SFORYEL8 | HEXT\_MASONS1\_1 | HEXT | MASONSW | 2 |
| 2025 | June | STHSVE65 | 35065\_\_A | FVLSW | FTSSW | 2 |
| 2025 | June | DSCOTKW5 | 6215\_\_A | BCKSW | CGRSW | 2 |
| 2025 | June | DWLDSCO5 | 6217\_\_A | WLVSW | GAILS | 2 |
| 2025 | June | SBRAHAM8 | HAMILT\_MAVERI1\_1 | MAVERICK | HAMILTON | 2 |
| 2025 | June | SBNDRYS5 | WYL\_NEVA\_1 | NEVADA | WYLIESW | 2 |
| 2025 | June | DRYSFOR5 | 1390\_\_F | MESFR | BCKHM | 2 |
| 2025 | June | SBNDRYS5 | 1390\_\_F | MESFR | BCKHM | 2 |
| 2025 | June | DD1RAZ\_8 | 2585\_1 | DOWNIES | MOORE | 2 |
| 2025 | June | MNOETW25 | 6056\_\_A | LNGSW | CONSW | 2 |
| 2025 | June | SBSPBUZ8 | 6135\_\_F | GUNSW | HPPOD | 2 |
| 2025 | June | DWLDSCO5 | 6217\_\_D | KEYSB | LMESA | 2 |
| 2025 | June | SPA2PAD9 | 6755\_\_B | HOLDY | KMATP | 2 |
| 2025 | June | SPADCHL8 | 6760\_\_A | ELCTR | WAGGONER | 2 |
| 2025 | June | SSCLWF18 | 6840\_\_B | NVKSW | ANARN | 2 |
| 2025 | June | XBAL89 | CONCHO\_VRBS1\_1 | CONCHO | VRBS | 2 |
| 2025 | June | DBAKCED5 | LVOK\_SANTIA1\_1 | SANTIAGO | LVOK | 2 |
| 2025 | June | SMDOOAS5 | GV\_HOC19\_A | HOC | GV | 2 |
| 2025 | June | DNOESGT5 | HARGRO\_TWINBU1\_1 | TWINBU | HARGROVE | 2 |
| 2025 | June | SFORYEL8 | HEXT\_YELWJC1\_1 | YELWJCKT | HEXT | 2 |
| 2025 | June | DRAZHON8 | READIN\_UVALDE1\_1 | UVALDE | READING | 2 |
| 2025 | June | SELMTH25 | 1025\_\_B | FROWS | MCLSW | 2 |
| 2025 | June | DBUZLME8 | 6217\_\_A | WLVSW | GAILS | 2 |
| 2025 | June | SFORYEL8 | HEXT\_MASONS1\_1 | MASONSW | HEXT | 2 |
| 2025 | June | SSTAWIC8 | 138\_COT\_BPT\_1 | TNCOLIET | BRDSPRYT | 2 |
| 2025 | June | MRGRMGS5 | 6215\_\_A | BCKSW | CGRSW | 2 |
| 2025 | June | SPADCHL8 | 6755\_\_B | HOLDY | KMATP | 2 |
| 2025 | June | XUVA189 | CHAPAR\_TURTLC1\_1 | TURTLCRK | CHAPARRO | 2 |
| 2025 | June | SCITWEI8 | CLARK\_\_LON\_HI1\_1 | LON\_HILL | CLARK\_WD | 2 |
| 2025 | June | SVICCO28 | COLETO\_VICTOR2\_1 | COLETO | VICTORIA | 2 |
| 2025 | June | SHONF38 | HONDO\_CASTROSW\_1 | HONDOCK | CASTRSW | 2 |
| 2025 | June | DSNG\_TB5 | NB\_THW97\_A | THW | NB | 2 |
| 2025 | June | SSTAWIC8 | 138\_HRT\_BPT\_1 | BRDSPRYT | HARPOONT | 2 |
| 2025 | June | DRAZHON8 | 2585\_1 | DOWNIES | MOORE | 2 |
| 2025 | June | MSFRYTP8 | 597T597\_1 | GEORGE | RIVERY | 2 |
| 2025 | June | MLONPK25 | 6375\_\_A | GRSES | GRMES | 2 |
| 2025 | June | DVICVI89 | COLETO\_VICTOR2\_1 | COLETO | VICTORIA | 2 |
| 2025 | June | DBIGSCH5 | CROSSO\_PALOUS1\_1 | CROSSOVE | PALOUSE | 2 |
| 2025 | June | SWLTBRT8 | EUSTWLTN\_RC\_1 | EUSTSERC | WALTSSRC | 2 |
| 2025 | June | SWLTBRT8 | EUSTWLTN\_RC\_1 | WALTSSRC | EUSTSERC | 2 |
| 2025 | June | SBRAHAM8 | HAMILT\_MAVERI1\_1 | HAMILTON | MAVERICK | 2 |
| 2025 | June | MTWECE25 | HARGRO\_PUMPJA1\_1 | HARGROVE | PUMPJACK | 2 |
| 2025 | June | SRAZDRY8 | READIN\_UVALDE1\_1 | UVALDE | READING | 2 |
| 2025 | June | SDIMBEV8 | UVALDE\_W\_BATE1\_1 | W\_BATESV | UVALDE | 2 |
| 2025 | June | STNPTO25 | 345\_TWN\_WLO\_1 | TNWILLOW | TOKSW | 2 |
| 2025 | June | SBOMJC25 | 35020\_\_B | GRVSW | GRSES | 2 |
| 2025 | June | DCPSST58 | 651\_\_C | CMNTP | SHILO | 2 |
| 2025 | June | SBAKCED5 | BAKRFLD\_CEDCAN\_1 | CEDACA | BAKESW | 2 |
| 2025 | June | SBRAHAM8 | ESCOND\_GANSO1\_1 | ESCONDID | GANSO | 2 |
| 2025 | June | BASE CASE | POT\_PEAR\_1 | PEARSALL | POTEETS | 2 |
| 2025 | June | SENWSHK8 | 941\_\_C | ENWSW | ENSSO | 2 |
| 2025 | June | MDTCRTH5 | 35065\_\_A | FVLSW | FTSSW | 1 |
| 2025 | June | DSNDBCE5 | 36040\_\_A | KNBSW | SALSW | 1 |
| 2025 | June | DBAKCED5 | 6217\_\_A | WLVSW | GAILS | 1 |
| 2025 | June | XABN89 | ABNTHW\_SERDEV1\_1 | ABNTHWST | ABNTHWST | 1 |
| 2025 | June | SLARLOB8 | ASHERT\_CATARI1\_1 | ASHERTON | CATARINA | 1 |
| 2025 | June | DZORHAY5 | BERGHE\_AT1L | BERGHE | BERGHE | 1 |
| 2025 | June | SRUSBIG8 | BIGLAKE\_R-E1 | BIGLAKE | BIGLAKE | 1 |
| 2025 | June | SESCGAN8 | BRACKE\_ESCOND1\_1 | BRACKETT | ESCONDID | 1 |
| 2025 | June | SMCEABS8 | CAPELL\_MERK1\_1 | CAPELLA | MERK | 1 |
| 2025 | June | SSOLALM8 | COCS\_FTST1\_1 | FTST | COCS | 1 |
| 2025 | June | SNLAGAT8 | DEL\_MA\_LAREDO1\_1 | LAREDO | DEL\_MAR | 1 |
| 2025 | June | XCAR89 | ELDO\_LVOK1\_1 | LVOK | ELDO | 1 |
| 2025 | June | DBI\_GT\_8 | FANSD\_08\_A | SD | FAN | 1 |
| 2025 | June | MLONOR58 | LASPUL\_RAYMND1\_1 | LASPULGA | RAYMND2 | 1 |
| 2025 | June | SGIBSN25 | SNGXGC75\_1 | GIBCRK | SNG | 1 |
| 2025 | June | DRICCOR8 | VND\_PLCE\_1 | PLCEDOS | VANBLT69 | 1 |
| 2025 | June | DALASOA8 | 138\_FTS\_LNC\_1 | FTST | LEONCRK | 1 |
| 2025 | June | DFMRSLT5 | 205\_\_A | MNSES | SSPSW | 1 |
| 2025 | June | SGILTRI8 | 211T147\_1 | GILLCR | MCNEIL\_ | 1 |
| 2025 | June | XCHL89 | 6755\_\_B | HOLDY | KMATP | 1 |
| 2025 | June | SMATMUL9 | 6760\_\_A | ELCTR | WAGGONER | 1 |
| 2025 | June | SHENPAI8 | ABNTHW\_SERDEV1\_1 | ABNTHWST | ABNTHWST | 1 |
| 2025 | June | DPEADEV8 | BIG\_FO\_PLEASA1\_1 | BIG\_FOOT | PLEASANT | 1 |
| 2025 | June | XLYT89 | BIG\_FO\_PLEASA1\_1 | BIG\_FOOT | PLEASANT | 1 |
| 2025 | June | MMATSPU9 | HARROL\_WAGGON1\_1 | WAGGONER | HARROLD | 1 |
| 2025 | June | MTWECE25 | JERRY\_PUMPJA1\_1 | PUMPJACK | JERRY | 1 |
| 2025 | June | SHAMMAX8 | MAXWEL\_WHITIN1\_1 | MAXWELL | WHITING | 1 |
| 2025 | June | STORSAN8 | POT\_PEAR\_1 | PEARSALL | POTEETS | 1 |
| 2025 | June | SRA2D18 | READIN\_UVALDE1\_1 | UVALDE | READING | 1 |
| 2025 | June | SKLELOY8 | RVI\_LOYO\_1 | LOYOLA | RVIERAS | 1 |
| 2025 | June | MTWECE25 | SAMATH\_TANK1\_1 | SAMATHIS | TANK | 1 |
| 2025 | June | DSALHUT5 | 1710\_\_E | SALSW | SALDS | 1 |
| 2025 | June | MHLSRHS8 | 2270\_\_B | MEXTP | ITALY | 1 |
| 2025 | June | DCAGCI58 | 255T279\_1 | PIPECR | MEDILA | 1 |
| 2025 | June | DMOSME25 | 6345\_\_L | SNDHT | WLFSW | 1 |
| 2025 | June | DDILPE89 | BIG\_FOOT\_69A1 | BIG\_FOOT | BIG\_FOOT | 1 |
| 2025 | June | SEUSWLT8 | BLASCOFE\_RC\_1 | BLASW | COFESSRC | 1 |
| 2025 | June | DBIGKEN5 | BONDRO\_SONR1\_1 | SONR | BONDROAD | 1 |
| 2025 | June | SLARLAS8 | DEL\_MA\_LAREDO1\_1 | LAREDO | DEL\_MAR | 1 |
| 2025 | June | SRAZDRY8 | DOWNIE\_READIN1\_1 | READING | DOWNIES | 1 |
| 2025 | June | SBLACOF8 | EUSTWLTN\_RC\_1 | WALTSSRC | EUSTSERC | 1 |
| 2025 | June | MHARNED5 | HAINE\_\_OLEAND1\_1 | HAINE\_DR | OLEANDER | 1 |
| 2025 | June | SNUELON8 | MORRIS\_NUECES1\_1 | NUECES\_B | MORRIS | 1 |
| 2025 | June | BASE CASE | 138\_WBT\_WBN\_1 | TNWLFBNT | TNWOLFBN | 1 |
| 2025 | June | DCDHMCS8 | 3150\_\_A | CDCSW | OKCLS | 1 |
| 2025 | June | SLCSTH25 | 505\_\_B | FBRSW | THSES | 1 |
| 2025 | June | DCAGCO58 | 583T583\_1 | BANDER | MASOCR | 1 |
| 2025 | June | DBYRBOW5 | 6011\_\_B | RILEY | FSHSW | 1 |
| 2025 | June | SRICGRS8 | 6840\_\_B | NVKSW | ANARN | 1 |
| 2025 | June | SROCRIN8 | ARANSA\_GREGOR1\_1 | GREGORY | ARANSASP | 1 |
| 2025 | June | SASPPAI8 | ASPM\_CONA1\_1 | ASPM | CONA | 1 |
| 2025 | June | SEUSWLT8 | BRTNWLTN\_RC\_1 | WALTSSRC | BRTNSSRC | 1 |
| 2025 | June | BASE CASE | EBONY\_GENTIE\_1 | EBNY\_ESS | EBNY\_ESS | 1 |
| 2025 | June | SBLACOF8 | EUSTWLTN\_RC\_1 | EUSTSERC | WALTSSRC | 1 |
| 2025 | June | BASE CASE | PALE\_ESS\_TLINE\_\_1 | BWDSW | PALE\_ESS | 1 |
| 2025 | June | SE4BIG8 | POT\_PEAR\_1 | PEARSALL | POTEETS | 1 |
| 2025 | June | SIOLKEI8 | RPR\_GIBC\_1 | RPR | GIBCRK | 1 |
| 2025 | June | SMDOPHR5 | 138\_ALV\_NAL\_1 | TNNALVIN | ALVIN | 1 |
| 2025 | June | DTRIASH8 | 211T147\_1 | GILLCR | MCNEIL\_ | 1 |
| 2025 | June | SOWLBIG8 | BISON\_STRS1\_1 | BISON | STRS | 1 |
| 2025 | June | DFERGRM8 | CORONA\_AT4 | CORONA | CORONA | 1 |
| 2025 | June | DSGTSCH5 | HARGRO\_TWINBU1\_1 | TWINBU | HARGROVE | 1 |
| 2025 | June | MXMU158 | ORNT\_TENNYS1\_1 | ORNT | TENNYSON | 1 |
| 2025 | June | BASE CASE | SAMSW | n/a | n/a | 1 |
| 2025 | June | SCOLBAL8 | SANA\_FMR1 | SANA | SANA | 1 |
| 2025 | June | DCOMPR18 | 1561\_\_A | DPREA | RCSES | 1 |
| 2025 | June | DCONLNG5 | 16050\_\_B | CRTRVLLE | HILGR | 1 |
| 2025 | June | DROUCHI8 | 1710\_\_C | BELCNTY | SALSW | 1 |
| 2025 | June | DEXCHCK5 | 583\_\_D | DCRSW | ALISN | 1 |
| 2025 | June | SCMNCPS5 | 651\_\_C | CMNTP | SHILO | 1 |
| 2025 | June | SCMNCPS5 | 651\_\_F | SHILO | HAS | 1 |
| 2025 | June | MMATSPU9 | 6760\_\_A | ELCTR | WAGGONER | 1 |
| 2025 | June | SESMFRI8 | BIGLAK\_PHBL\_T1\_1 | BIGLAKE | PHBL\_TAP | 1 |
| 2025 | June | SMCEESK8 | EAST\_REAC\_SEC\_\_1 | MULBERRY | MULBERRY | 1 |
| 2025 | June | DNVAMHO5 | FARMLAND\_LONGD\_1 | FARMLAND | W\_LD\_345 | 1 |
| 2025 | June | STRECFL8 | MADDUX\_SAPOWE1\_1 | MADDUX | SAPOWER | 1 |
| 2025 | June | DLONEQU8 | MORRIS\_NUECES1\_1 | NUECES\_B | MORRIS | 1 |
| 2025 | June | SCROSAN8 | POT\_PEAR\_1 | PEARSALL | POTEETS | 1 |
| 2025 | June | SWLALCS8 | 1025\_\_B | FROWS | MCLSW | 1 |
| 2025 | June | SSO2SLK5 | 138\_FLT\_FXT\_1 | TNFXTAIL | FLAT\_TOP | 1 |
| 2025 | June | SRA2D18 | 2585\_1 | DOWNIES | MOORE | 1 |
| 2025 | June | SCONMGS5 | 6056\_\_A | LNGSW | CONSW | 1 |
| 2025 | June | SDUKNED8 | ADERHO\_HEC1\_1 | HEC | ADERHOLD | 1 |
| 2025 | June | MFOAVLO5 | DEL\_MA\_LAREDO1\_1 | LAREDO | DEL\_MAR | 1 |
| 2025 | June | SRT2WC8 | G138\_17\_1 | BRAZORIA | RT | 1 |
| 2025 | June | DBIGSCH5 | JERRY\_PUMPJA1\_1 | PUMPJACK | JERRY | 1 |
| 2025 | June | MNOETW25 | JERRY\_PUMPJA1\_1 | PUMPJACK | JERRY | 1 |
| 2025 | June | DSNG\_TB5 | MDOPHR99\_A | MDO | PHR | 1 |
| 2025 | June | SCRMSAR8 | ORNT\_REDCRE1\_1 | REDCREEK | ORNT | 1 |
| 2025 | June | DBAKCED5 | STCO\_STER1\_1 | STER | STCO | 1 |
| 2025 | June | DBIGKEN5 | YELWJCKT\_PS\_1 | YELWJCKT | YELWJCKT | 1 |
| 2025 | June | SHC2EXC5 | 107\_\_B | HCKSW | EXCSW | 1 |
| 2025 | June | DHILMAR5 | 361T361\_1 | SCHERT | PARKWA | 1 |
| 2025 | June | SMENLYT8 | 366T150\_1 | ALUMCR | GIDEON | 1 |
| 2025 | June | SMATMUL9 | 6755\_\_B | HOLDY | KMATP | 1 |
| 2025 | June | SENSENW8 | 943\_\_B | ENWSW | SHKSW | 1 |
| 2025 | June | SDUKNED8 | ADERHO\_ELSA1\_1 | ADERHOLD | ELSA | 1 |
| 2025 | June | SPALDIL8 | BIG\_FO\_PLEASA1\_1 | BIG\_FOOT | PLEASANT | 1 |
| 2025 | June | SEUSWLT8 | BLASCOFE\_RC\_1 | COFESSRC | BLASW | 1 |
| 2025 | June | DCC1DUKE | HAINE\_\_LA\_PAL1\_1 | LA\_PALMA | HAINE\_DR | 1 |
| 2025 | June | DBAKCED5 | LAKENA\_SAMATH1\_1 | LAKENASW | SAMATHIS | 1 |
| 2025 | June | DBONRIO5 | LASPUL\_RAYMND1\_1 | LASPULGA | RAYMND2 | 1 |
| 2025 | June | MBONNED5 | LASPUL\_RAYMND1\_1 | LASPULGA | RAYMND2 | 1 |
| 2025 | June | SMDOOAS5 | MIDPK\_90\_A | MID | PK | 1 |
| 2025 | June | SADEDU38 | VAL\_VERD\_WSLCO\_1 | MV\_VALV4 | WESLACO | 1 |
| 2025 | June | BASE CASE | X5\_ALAMO1\_1 | OCI\_ALM1 | X5 | 1 |
| 2025 | June | SVENFTS5 | 35055\_\_A | SAMSW | VENSW | 1 |

1. Current Wind Generation Record: 28,550 MW on 03/03/2025 at 20:42 | Current Wind Penetration Record: 69.15% on 04/10/2022 at 01:43

   Current Solar Generation Record: 28,071 MW on 07/10/2025 at 12:45 | Current Solar Penetration Record: 56.60% on 03/20/2025 at 12:25 [↑](#footnote-ref-2)