

July 2025 ERCOT Monthly Operations Report

Reliability and Operations Subcommittee Meeting

Aug 18, 2025

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# Report Highlights

* The unofficial ERCOT peak load for July 2025 was 81,707 MW and occurred on 7/30/2025 during hour ending 18:00, this is 662 MW more than the July 2024 demand of 81,045 MW on 7/01/2024 during hour ending 18:00. Instantaneous peak for July 2025 was 82,627 MW. Actual instantaneous peak for the same month last year was 81,838 MW.
* There were 4 frequency events.
* There were no ERCOT Contingency Reserve Service (ECRS) event.
* There were no Responsive Reserve Service (RRS) events.
* 0 Advisories
* 0 Watch’s
* 0 Emergency Notices
* There were 48 HRUC commitments.
* The Solar generation record of 29,337 MW was set on 7/29/2025 at 11:18.
* The following GTCs saw congestion in July:

|  |  |
| --- | --- |
| GTC | Days Congestion |
| South Texas Export (E\_PASP) | 30 |
| Hamilton County | 30 |
| Zapata to Starr | 28 |
| Nelson Sharpe to Rio Hondo | 27 |
| North Edinburg to Lobo | 25 |
| Wharton County | 23 |
| South Texas Export (E\_PATA) | 22 |
| West Texas Export | 8 |
| North to Houston | 5 |
| Panhandle GTC | 5 |
| SAMSW | 4 |
| Valley Export | 4 |
| McCamey GTC | 2 |
| TRDWEL | 1 |

# Frequency Control

## Frequency Events

The ERCOT Interconnection experienced 4 frequency events, which resulted from unit tripping. The average duration of these events was 4 minutes and 03 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)** |
| 7/1/2025 8:19:13 | 0.062 | 59.918 | 00:03:16 | 0.64 | 12% | 772 | 55,512 | 20% | 315,149 |
| 7/6/2025 4:28:34 | 0.046 | 59.973 | 00:08:06 | 0.71 | 8% | 595 | 48,086 | 8% | 308,472 |
| 7/24/2025 6:30:24 | 0.031 | 59.957 | 00:03:28 | 0.73 | 11% | 505 | 56,725 | 30% | 302,064 |
| 7/24/2025 13:31:05 | 0.055 | 59.960 | 00:01:23 | 0.68 | 10% | 479 | 80,418 | 40% | 328,791 |

Chart, line chart

AI-generated content may be incorrect.

(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** |
| 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** |
| 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 48 HRUC commitments.

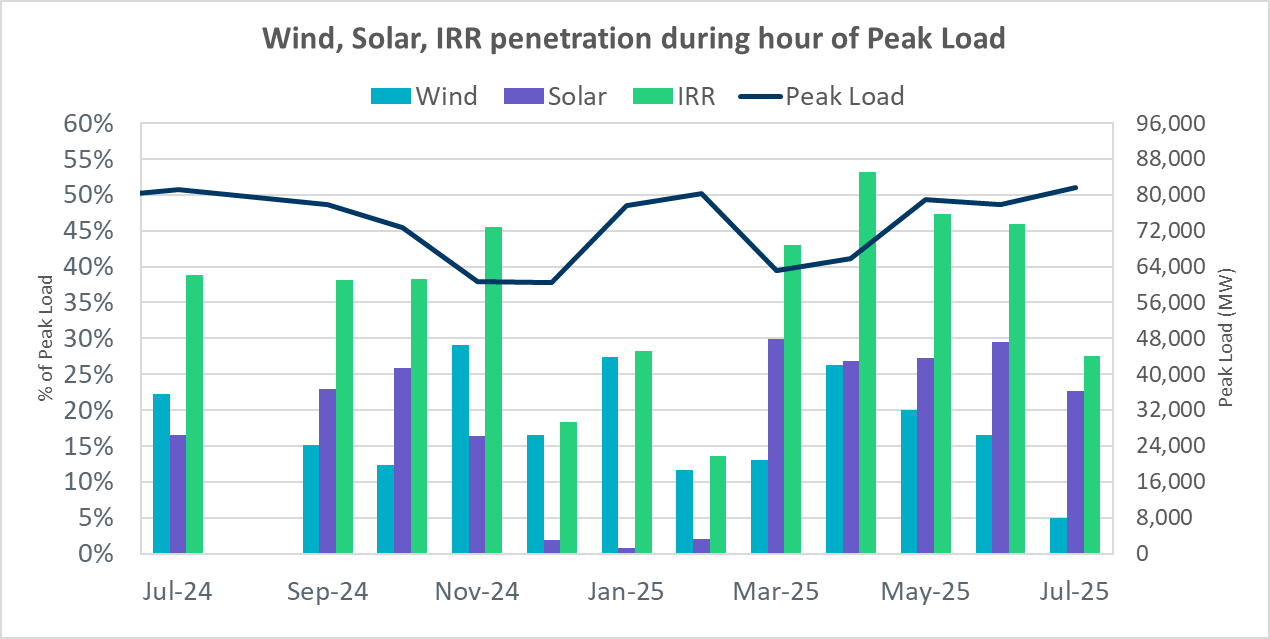
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Resource Location** | **# of Resources** | **Operating Day** | **Total # of Hours Committed** | **Total MWhs** | **Reason for Commitment** |
| NORTH\_CENTRAL | 3 | July 1, 2025 | 20 | 1,688.0 | E\_PASP |
| NORTH\_CENTRAL | 1 | July 2, 2025 | 8 | 456.0 | E\_PASP |
| NORTH\_CENTRAL, SOUTH\_CENTRAL | 2 | July 5, 2025 | 9 | 2,581.0 | E\_PASP |
| NORTH\_CENTRAL | 1 | July 7, 2025 | 4 | 956.0 | E\_PASP |
| EAST, NORTH\_CENTRAL | 2 | July 8, 2025 | 8 | 2,420.0 | E\_PASP |
| NORTH\_CENTRAL | 1 | July 9, 2025 | 2 | 870.0 | E\_PASP |
| NORTH\_CENTRAL, SOUTHERN | 3 | July 10, 2025 | 13 | 5,457.0 | E\_PASP |
| NORTH\_CENTRAL, SOUTH\_CENTRAL | 3 | July 11, 2025 | 13 | 5,285.0 | E\_PASP |
| EAST, NORTH\_CENTRAL | 8 | July 12, 2025 | 43 | 8,104.0 | E\_PASP |
| NORTH\_CENTRAL | 5 | July 13, 2025 | 28 | 2,796.0 | E\_PASP |
| NORTH\_CENTRAL | 2 | July 21, 2025 | 8 | 2,580.0 | SRNKEXC5, STHSVE65 |
| NORTH\_CENTRAL | 2 | July 24, 2025 | 6 | 286.0 | E\_PASP |
| NORTH\_CENTRAL | 1 | July 25, 2025 | 8 | 456.0 | E\_PASP |
| NORTH\_CENTRAL | 3 | July 28, 2025 | 24 | 2,516.0 | E\_PASP, STHSVE65 |
| NORTH\_CENTRAL | 4 | July 29, 2025 | 28 | 2,544.0 | E\_PASP |
| NORTH\_CENTRAL | 4 | July 31, 2025 | 11 | 798.0 | E\_PASP, STHSVE65 |

# 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 July 2025 was 64.58% on 7/22/2025 interval ending 10:00 and minimum IRR penetration for July 2025 was 4.96% on 7/01/2025 interval ending 23:50.



During the hour of peak load for the month, hourly integrated wind generation was 3,996 MW and solar generation was 18,517 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 July 2025 were 1,561 MW, 2,531 MW, 3,798 MW, 7,116 MW, and 12,438 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** |
| Jul-14 | 674 MW | 1,169 MW | 1,589 MW | 2,854 MW | 5,201 MW |
| Jul-15 | 776 MW | 1,231 MW | 1,754 MW | 3,303 MW | 6,260 MW |
| Jul-16 | 834 MW | 1,350 MW | 1,881 MW | 3,230 MW | 6,319 MW |
| Jul-17 | 797 MW | 1,421 MW | 1,953 MW | 3,167 MW | 5,798 MW |
| Jul-18 | 1,333 MW | 1,854 MW | 2,780 MW | 3,205 MW | 6,604 MW |
| Jul-19 | 830 MW | 1,460 MW | 2,084 MW | 3,795 MW | 7,375 MW |
| Jul-20 | 954 MW | 1,536 MW | 2,221 MW | 4,101 MW | 7,690 MW |
| Jul-21 | 1,323 MW | 1,596 MW | 2,081 MW | 3,614 MW | 6,761 MW |
| Jul-22 | 977 MW | 1,837 MW | 2,664 MW | 4,529 MW | 7,716 MW |
| Jul-23 | 1,230 MW | 1,793 MW | 2,519 MW | 4,733 MW | 8,650 MW |
| Jul-24 | 1,128 MW | 2,011 MW | 2,837 MW | 4,671 MW | 7,772 MW |
| Jul-25 | 1,561 MW | 2,531 MW | 3,798 MW | 7,116 MW | 12,438 MW |
| 7/23/2025 | 7/23/2025 | 7/23/2025 | 7/23/2025 | 7/23/2025 |
| (IE 19:05) | (IE 19:41) | (IE 19:41) | (IE 19:41) | (IE 19:45) |
| All Months in 2014-2025 | 1,771 MW | 3,107 MW | 4,588 MW | 8,901 MW | 16,522 MW |
| 5/28/2024 | 1/29/2024 | 1/29/2024 | 1/29/2024 | 1/29/2024 |
| (IE 19:01) | (IE 17:05) | (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 July 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 | HARGRO\_TWINBU1\_1 | BAKESW-CEDACA 345kV & BAKESW-CEDACA 345kV | Hargrove - Twin Buttes 138kV | 20 | $18,038,927.60 |  |  |
| DWPWFWP5 | STPWAP39\_1 | TWR(345) WAP-WLF64 & WAP-WLY72 | South Texas Project - Wa Parish 345kV | 23 | $13,386,312.88 |  |  |
| MFOAVLO5 | LARDVN\_LASCRU1\_1 | double FOWLERTON to AVANZADA & LOBO to FOWLERTON | Laredo Vft North - Las Cruces 138kV | 30 | $11,466,948.92 |  |  |
| SW\_LVLT5 | 15060\_\_B | wett\_long\_draw to Volta LIN 1 | Koch Tap - Vealmoor 138kV | 27 | $11,297,869.86 |  |  |
| DMOSME25 | 6345\_\_L | MOSSW-METSW\_345\_AND\_ODEHV-WLFSW\_345\_DBLCKT | Wolf Switching Station - Sandhills Tap 138kV | 11 | $8,851,750.06 |  |  |
| DSALHUT5 | 1710\_\_C | SALSW - HUTTO 345KV | Bell County - Salado Switch 138kV | 13 | $8,175,872.99 |  |  |
| DEXCHCK5 | HCKSW\_MR1H | EXCSW TO HCKSW 345 KV DBLCKT | Hicks Switch 345kV | 5 | $7,987,857.06 |  |  |
| DBAKCED5 | 6056\_\_A | BAKESW-CEDACA 345kV & BAKESW-CEDACA 345kV | Longshore Switch - Consavvy Switch 345kV | 20 | $6,912,537.09 |  |  |
| DBIGKEN5 | TREADW\_YELWJC1\_1 | Bighil-Kendal 345kV | Yellow Jacket - Treadwell 138kV | 13 | $5,825,531.73 |  |  |
| STHSVE65 | 35050\_\_B | SAM SWITCH to VENUS SWITCH LIN \_A | Venus Switch - Fort Smith Switch 345kV | 19 | $5,546,881.55 |  |  |
| MXMUL58 | ABNTHW\_SERDEV1\_1 | manual ABILENE MULBERRY CREEK TRX MULBERRY\_3\_1 345/138 | #N/A | 10 | $4,728,136.66 |  |  |
| SSCJFS8 | GP\_TNK94\_A | JEFFERSON to JEFFERSON LIN A | Galena Park - Tanker 138kV | 1 | $4,209,111.79 |  |  |
| DWAP\_OB5 | MDOPHR99\_A | TWR (345) OB-WAP98 & OB-WAP99 | Meadow - Ph Robinson 345kV | 9 | $2,892,275.23 |  |  |
| DWAP\_BI5 | BI\_JN\_64\_A | TWR (345) WAP-BI50 & SMITHERS-BI98 | Bellaire - Jeanetta 345kV | 4 | $2,686,006.13 |  |  |
| SDANDAN9 | BLESSING\_69A1 | DANEVANG 69 SUB to DANEVANG 69 SUB LIN 1 | Blessing 138kV | 2 | $2,474,609.12 |  |  |
| DFMRCYC5 | 205\_\_A | FMRVL-SLTSW 345&FMRVL-CYCSW 345 DBLCKT | Monticello Ses - Sulphur Springs Switch 345kV | 10 | $2,424,606.33 |  |  |
| SMV\_NED8 | VAL\_VERD\_WSLCO\_1 | PALMHURST SUB to NORTH EDINBURG LIN 1 | Weslaco Switch - Val Verde Sub 138kV | 1 | $2,317,391.91 |  |  |
| SRN2EXC5 | 109\_\_A | ROANOKE SWITCH to EXCHANGE SWITCH LIN \_A | Roanoke Switch - Exchange Switch 345kV | 2 | $2,196,826.37 |  |  |
| MDFRYSK8 | SEA\_AAT1 | MANUAL DOUBLE SALSW TO KNBSW 345 AND FRYSW TO BELCNTY 138 DBLCKT | Seaton 138kV | 5 | $1,921,522.43 |  |  |
| DSGTSCH5 | HARGRO\_TWINBU1\_1 | SINGLE TREE- SCHNEEMAN DRAW & SINGLE TREE- SCHNEEMAN DRAW 2 | Hargrove - Twin Buttes 138kV | 5 | $1,857,189.68 |  |  |
| DCRLNO25 | 1140\_\_C | CRLNW-NORSW 345&HKBRY-NLSES 138 TRPLCKT-2of3 | Dfw D-East 1 - Dfw C-East 138kV | 1 | $1,505,965.31 |  |  |
| SWLALCS8 | 1025\_\_B | WACO EAST to WACO LASALLE LIN \_A | Mclane Switch - Frow Sub 138kV | 1 | $1,477,039.87 |  |  |
| MHARNED5 | BURNS\_RIOHONDO\_1 | Manual dbl ckt for NEDIN-BONILLA 345kV & RIOH-PRIM138kV | Burns Sub - Rio Hondo 138kV | 19 | $1,462,886.60 |  |  |
| SRAYRI38 | HAINE\_\_LA\_PAL1\_1 | LAS PULGAS to RAYMONDVILLE 2 LIN 1 | Haine Drive - La Palma 138kV | 9 | $1,453,416.18 |  |  |
| DBIGKEN5 | MADDUX\_TREADW1\_1 | Bighil-Kendal 345kV | Maddux - Treadwell 138kV | 11 | $1,246,678.13 |  |  |
| SRNKEXC5 | 108\_\_A | ROANOKE SWITCH to EXCHANGE SWITCH LIN \_A | Roanoke Switch - Exchange Switch 345kV | 7 | $1,199,728.37 |  |  |
| DBIGSCH5 | PALOUS\_WOLFCA1\_1 | Big Hill - Schneeman Draw & Big Hill - Schneeman Draw 2 | Palouse - Wolfcamp 138kV | 9 | $1,105,998.11 |  |  |
| MFOAVLO5 | DEL\_MA\_LAREDO1\_1 | double FOWLERTON to AVANZADA & LOBO to FOWLERTON | Del Mar - Laredo Plant 138kV | 13 | $1,000,556.84 |  |  |
| DRNS\_TB5 | THWZEN71\_A | Rns-Rtw & Sng-Tb 345kV | Th Wharton - Zenith 345kV | 8 | $897,615.13 |  |  |
| DMTSCOS5 | 6437\_\_F | DMTSW TO SCOSW 345 DBLCKT | Knapp - Scurry Chevron 138kV | 12 | $891,594.53 |  |  |
| MDTCRTH5 | 35050\_\_B | MANUAL DOUBLE THSES TO TCRSW & FBRSW TO THSES 345 DBLCKT | Venus Switch - Fort Smith Switch 345kV | 7 | $799,814.65 |  |  |
| DBLW2JC5 | WAPWLY72\_A | TWR (345) JCK-WAT62 & BLY-JCK57 | Wa Parish - Whaley 345kV | 13 | $790,004.69 |  |  |
| SE4BIG8 | BIG\_FOOT\_69A1 | BIG FOOT to PLEASANTON LIN 1 | Big Foot 138kV | 10 | $718,906.37 |  |  |
| DWCSHCK5 | 35100\_\_A | WCSWS TO HCKSW 345 DBLCKT TRPLCKT 3 OF 3 | Parker Switch - Hicks Switch 345kV | 2 | $718,101.53 |  |  |
| MFOAVLO5 | FREER\_LOBO1\_1 | double FOWLERTON to AVANZADA & LOBO to FOWLERTON | Lobo - Freer 69kV | 6 | $655,244.73 |  |  |
| DTWLCED5 | HARGRO\_TWINBU1\_1 | TWELVE MILE - CEDAR CANYON & TWELVE MILE - CEDAR CANYON 2 | Hargrove - Twin Buttes 138kV | 3 | $651,828.55 |  |  |
| SBWDDBM5 | LPLMK\_LPLNE\_1 | BLACKWATER DRAW SWITCH to DOUBLE MOUNTAIN SWITCH LIN 1 | Mackenzie Substation - Northeast Substation 115kV | 5 | $649,763.92 |  |  |
| DELMSAN5 | F2\_11\_1 | Elmcreek-Sanmigl 345kV | Fallscty - Kenedy Switch 138kV | 6 | $582,362.60 |  |  |
| DCC1DUKE | BURNS\_RIOHONDO\_1 | Loss of DUKE (train) | Burns Sub - Rio Hondo 138kV | 10 | $575,723.10 |  |  |
| DLONSAX8 | CLARK\_\_LON\_HI1\_1 | Double Contingency Lon Hill - Saxet&Bunsen 138kV | Clarkwood - Lon Hill 138kV | 1 | $570,370.66 |  |  |
| SDANBLE8 | BLESSING\_69A1 | BLESSING to BLESSING LIN 1 | Blessing 138kV | 2 | $543,401.45 |  |  |
| SOBWA2P5 | OB\_WAP99\_A | WA PARISH to OBRIEN LIN A | Wa Parish - Obrien 345kV | 1 | $543,028.62 |  |  |
| MLOFOAV5 | DEL\_MA\_LAREDO1\_1 | double LOBO to AVANZADA & LOBO to FOWLERTON | Del Mar - Laredo Plant 138kV | 6 | $539,535.51 |  |  |
| SP5CAG8 | D5\_S1\_1 | CAGNON to CAGNON LIN 1 | Leon Creek - Howard 138kV | 11 | $529,013.39 |  |  |
| DWCSHCK5 | 6060\_\_A | WCSWS TO HCKSW 345 DBLCKT TRPLCKT 3 OF 3 | Eagle Mountain Ses - Parker Switch 345kV | 1 | $525,071.78 |  |  |
| DMTSCOS5 | 6240\_\_C | DMTSW TO SCOSW 345 DBLCKT | Sacroc - Deep Creek Sub 138kV | 11 | $516,908.13 |  |  |
| XHA2S89 | OLS\_JNES\_1 | HASSE TRX HAS2 138/69 | Olsen Tnp - Jonesboro Tnp 69kV | 6 | $501,541.52 |  |  |
| DRICLOU8 | VND\_PLCE\_1 | RICEBI-ETP 138kV&LOUISES 69kV | Vanderbilt 69 Sub - Placedo Sub 69kV | 3 | $497,007.41 |  |  |
| BASE CASE | SAMSW | Basecase | SAMSW GTC | 4 | $473,047.06 |  |  |
| DVLSPAC5 | 1561\_\_A | VLSES-PACSW 345&PRSSW-VLYSO 345 DBLCKT | Rivercrest Ses - Deport Rea 138kV | 7 | $465,137.47 |  |  |
| DCPSES12 | 35055\_\_A | Comanche Peak 1 & 2 | Sam Switch - Venus Switch 345kV | 2 | $446,232.24 |  |  |
| SKLELOY8 | LOYOLA\_69\_1 | KLEBERG AEP to KLEBERG AEP LIN 1 | Loyola Sub 138kV | 13 | $427,312.07 |  |  |
| DZORHAY5 | BERGHE\_AT1H | ZORN - HAYSEN 345KV | Bergheim 345kV | 7 | $412,602.56 |  |  |
| DODEMOS5 | 6513\_\_A | ODEHV-MOSSW 345&ODEHV-WLFSW 345\_DBLCKT | Odessa North - Odessa 138kV | 2 | $378,401.04 |  |  |
| SMDOOAS5 | GN\_PZ\_08\_A | MEADOW to OASIS LIN A | Grant - Plaza 138kV | 5 | $377,830.12 |  |  |
| XBIG89 | BIG\_FO\_PLEASA1\_1 | BIG FOOT TRX 69A1 138/69 | Big Foot - Pleasanton 138kV | 12 | $363,951.33 |  |  |
| SVENFTS5 | 35055\_\_A | FORT SMITH SWITCH to FORT SMITH SWITCH LIN \_B | Sam Switch - Venus Switch 345kV | 3 | $342,640.28 |  |  |
| DCRLNOR5 | 1140\_\_C | CRLNW-NORSW 345&HKBRY-DFWNW 138 TRPLCKT-1of3 | Dfw D-East 1 - Dfw C-East 138kV | 1 | $341,298.45 |  |  |
| SCMNCPS5 | 651\_\_B | COMANCHE SWITCH (Oncor) to COMANCHE PEAK SES LIN \_A | Comanche Tap - Comanche Switch (Oncor) 138kV | 7 | $336,556.54 |  |  |
| DSTPREF5 | BLESSING\_69A1 | TWR(345) JCK-REF27 & JCK-STP18 | Blessing 138kV | 1 | $330,686.84 |  |  |
| DDILPE89 | BIG\_FO\_PLEASA1\_1 | Dilleysw-Paloduro 138kV & Pearsall 69kV | Big Foot - Pleasanton 138kV | 12 | $320,064.55 |  |  |
| DFMRCYC5 | 690\_\_C | FMRVL-SLTSW 345&FMRVL-CYCSW 345 DBLCKT | Sulphur Springs Switch - Liberty Pod (Oncor) 138kV | 2 | $312,344.72 |  |  |
| MFOAVLO5 | BRUNI\_69\_1 | double FOWLERTON to AVANZADA & LOBO to FOWLERTON | Bruni Sub 138kV | 7 | $294,859.31 |  |  |
| DBIGSCH5 | HARGRO\_TWINBU1\_1 | Big Hill - Schneeman Draw & Big Hill - Schneeman Draw 2 | Hargrove - Twin Buttes 138kV | 3 | $288,759.65 |  |  |
| DELMSAN5 | PAWNEE\_SPRUCE\_1 | Elmcreek-Sanmigl 345kV | Pawnee Switching Station - Calaveras 345kV | 1 | $288,615.25 |  |  |
| SESMFRI8 | BIGLAK\_PHBL\_T1\_1 | Esmeralda to WOLFBERRY LIN 1 | Big Lake - Big Lake Phillips Tap 69kV | 2 | $278,518.29 |  |  |
| SOBWAP5 | OB\_WAP98\_A | WA PARISH to OBRIEN LIN A | Wa Parish - Obrien 345kV | 1 | $251,066.02 |  |  |
| SNUELON8 | MORRIS\_NUECES1\_1 | LON HILL to NUECES BAY LIN 1 | Morris Street - Nueces Bay 138kV | 1 | $246,650.46 |  |  |
| SMDOPHR5 | 138\_ALV\_NAL\_1 | MEADOW to PH ROBINSON LIN A | North Alvin Tnp - Alvin Tnp 138kV | 6 | $234,981.11 |  |  |
| DCAGMED8 | D5\_S1\_1 | Cagnon-Pinn\_Rd&Hunt\_Ln-Medinabs 138kV | Leon Creek - Howard 138kV | 3 | $228,952.02 |  |  |
| SFMRRY25 | 381\_\_A | Farmersville Switch to ROYSE SWITCH LIN \_A | Farmersville Switch - Royse Switch 345kV | 4 | $220,205.62 |  |  |
| DVENFTS5 | 2270\_\_B | VENSW-FTSSW & VENSW-SAMSW 345 DBLCKT | Milford Exxon Tap - Italy 69kV | 2 | $209,881.08 |  |  |
| STHSVE65 | 35065\_\_A | SAM SWITCH to VENUS SWITCH LIN \_A | Fort Smith Switch - Files Valley Switch 345kV | 5 | $193,929.49 |  |  |
| SDIMBEV8 | UVALDE\_W\_BATE1\_1 | BEVO to BEVO LIN 1 | Uvalde Aep - West Batesville 138kV | 6 | $188,950.87 |  |  |
| DPHRCTR5 | MDOPHR99\_A | Ctr-Phr&Cby 345kV | Meadow - Ph Robinson 345kV | 2 | $185,976.23 |  |  |
| DWLDSCO5 | 6217\_\_A | LONG DRAW-FARADAY& SCOSW 345kV | Willow Valley Switch - Gail Sub 138kV | 2 | $171,015.87 |  |  |
| SEL\_ARR8 | BLESSING\_69A1 | EL CAMPO to ARROZ LIN 1 | Blessing 138kV | 1 | $166,143.55 |  |  |
| DSTEXP12 | BLESSI\_LOLITA1\_1 | South Texas # 1 & # 2 | Blessing - Lolita 138kV | 6 | $156,308.37 |  |  |
| SEUSWLT8 | BLASCOFE\_RC\_1 | EUSTACE SOUTHEAST to WALTON LIN 1 | Coffee - Blackburn Switch 138kV | 2 | $154,904.16 |  |  |
| DWELONL8 | CLARK\_\_LON\_HI1\_1 | LON\_HILL - BUNSEN & WEIL\_TRC 138 KV | Clarkwood - Lon Hill 138kV | 2 | $154,451.63 |  |  |
| DFMRCYC5 | SSPSW\_MR1H | FMRVL-SLTSW 345&FMRVL-CYCSW 345 DBLCKT | Sulphur Springs Switch 345kV | 2 | $144,557.06 |  |  |
| SRT2WC8 | G138\_17\_1 | RETRIEVE to WEST COLUMBIA LIN A | Brazoria Tnp - Retrieve 138kV | 1 | $142,529.74 |  |  |
| SBRAHAM8 | ESCOND\_GANSO1\_1 | BRACKETTVILLE to HAMILTON ROAD LIN 1 | Escondido - Ganso 138kV | 6 | $135,042.82 |  |  |
| MLOFOAV5 | BRUNI\_69\_1 | double LOBO to AVANZADA & LOBO to FOWLERTON | Bruni Sub 138kV | 1 | $131,870.86 |  |  |
| SBRAPIN8 | ESCOND\_GANSO1\_1 | BRACKETTVILLE to BRACKETTVILLE LIN 1 | Escondido - Ganso 138kV | 3 | $128,288.67 |  |  |
| SOWLBIG8 | BISON\_STRS1\_1 | Owls to BIG LAKE LIN 1 | Bison - Strauss Rea 69kV | 3 | $122,375.57 |  |  |
| SBAKCED5 | BAKRFLD\_CEDCAN\_1 | BAKERSFIELD SWITCHYARD to CEDAR CANYON LIN 1 | Cedar Canyon - Bakersfield 345kV | 1 | $122,287.49 |  |  |
| SBRAPIN8 | HAMILT\_MAVERI1\_1 | BRACKETTVILLE to BRACKETTVILLE LIN 1 | Hamilton Road - Maverick 138kV | 8 | $121,146.29 |  |  |
| SBRAHAM8 | GANSO\_MAVERI1\_1 | BRACKETTVILLE to HAMILTON ROAD LIN 1 | Ganso - Maverick 138kV | 3 | $115,278.55 |  |  |
| SCISPUT8 | LENSW\_PUTN2\_1 | CISCO to CISCO LIN 1 | Leon Switch - Putnam 138kV | 2 | $105,076.33 |  |  |
| SNWEWES8 | WES\_MV\_W\_1 | WESLACO SWITCH to NORTH MERCEDES LIN 1 | Weslaco Switch - Weslaco Sub 138kV | 1 | $102,119.50 |  |  |
| SFMRRYS5 | 400\_\_A | Farmersville Switch to Farmersville Switch LIN \_A | Royse Switch - Farmersville Switch 345kV | 5 | $99,597.75 |  |  |
| DMGSBTR5 | 6036\_\_A | MGSES TO CCRSW 345 AND BTRCK TO MGSES 345 DBLCKT | Tonkawa Switch - Morgan Creek Ses 345kV | 1 | $94,048.00 |  |  |
| SOZNFRI9 | BIGLAK\_PHBL\_T1\_1 | FRIEND RANCH to FRIEND RANCH LIN 1 | Big Lake - Big Lake Phillips Tap 69kV | 1 | $90,197.33 |  |  |
| SDILDIL9 | BIG\_FOOT\_69A1 | DILLEY SWITCH AEP to DILLEY2 LIN 1 | Big Foot 138kV | 1 | $86,560.33 |  |  |
| MLOFOAV5 | ASHERT\_CATARI1\_1 | double LOBO to AVANZADA & LOBO to FOWLERTON | Asherton - Catarina 138kV | 5 | $78,791.85 |  |  |
| DSLKSOL5 | 138\_FLT\_FXT\_1 | Sand Lake - Solstice line 1 and 2 | Foxtail Tnp - Flat Top Tnp 138kV | 20 | $76,878.24 |  |  |
| MSUNESC8 | UVALDE\_W\_BATE1\_1 | Construction Manual SUNGLOW-ESCONDID 138kV | Uvalde Aep - West Batesville 138kV | 2 | $76,464.76 |  |  |
| SEUSWLT8 | BRTNWLTN\_RC\_1 | EUSTACE SOUTHEAST to WALTON LIN 1 | Walton Switching Station - Barton Chapel 138kV | 1 | $76,270.83 |  |  |
| MDTCRTH5 | 35055\_\_A | MANUAL DOUBLE THSES TO TCRSW & FBRSW TO THSES 345 DBLCKT | Sam Switch - Venus Switch 345kV | 1 | $75,913.84 |  |  |
| DCPRJCK8 | BLESSING\_69A1 | TWR (138) CPR-JCK36 & JCK-XFK02 | Blessing 138kV | 1 | $72,297.64 |  |  |
| MDTCRFB5 | 35055\_\_A | MANUAL DOUBLE SAMSW TO TCRSW & FBRSW TO THSES 345 DBLCKT | Sam Switch - Venus Switch 345kV | 1 | $71,045.98 |  |  |
| MHLSRHS8 | 2270\_\_B | HILLSBORO to RED HILL SWITCH 138 | Milford Exxon Tap - Italy 69kV | 3 | $65,385.20 |  |  |
| DGRMGRS8 | 6830\_\_B | FIREROCK TO BRNWD 138 AND FIREROCK TO BANGS 69 DBLCKT | Cottonwood Road Switch - Olney Pod 69kV | 3 | $61,405.24 |  |  |
| DVLSPAC5 | 874\_\_A | VLSES-PACSW 345&PRSSW-VLYSO 345 DBLCKT | Crossroads Switch - Commerce Switch 138kV | 4 | $53,457.97 |  |  |
| MIDUMCL8 | I\_DUPS\_RESNIK2\_2 | DUPONT SWITCH - INGLESIDE to McCampbell LIN 1 | Dupont Switch - Ingleside - Resnik 138kV | 5 | $50,228.95 |  |  |
| MHARNED5 | HAINE\_\_LA\_PAL1\_1 | Manual dbl ckt for NEDIN-BONILLA 345kV & RIOH-PRIM138kV | Haine Drive - La Palma 138kV | 7 | $50,000.97 |  |  |
| DNOETWL5 | HARGRO\_TWINBU1\_1 | NOELKE- TWELVE MILE & NOELKE- TWELVE MILE 2 | Hargrove - Twin Buttes 138kV | 1 | $49,294.41 |  |  |
| DLWSRNK5 | 587\_\_A | LWSSW TO RNKSW AND LWSSW TO KRWSW 345 DBLCKT | Argyle - Highlands Tnp 138kV | 4 | $48,411.31 |  |  |
| SHELKEN8 | F2\_11\_1 | HELENA to HELENA LIN 1 | Fallscty - Kenedy Switch 138kV | 2 | $46,773.58 |  |  |
| DFERGRM8 | CORONA\_AT4 | Ferguson-Sherwood Shores & Ferguson-Granite Mountain 138kV | Coronado 138kV | 1 | $46,172.29 |  |  |
| MMCKLNC5 | 6380\_\_D | MAN\_DBL\_LNCRK-SWESW and MCKSW\_345kV\_6057A-6025B | Murray - Paint Creek 138kV | 1 | $43,302.87 |  |  |
| SN\_SAJO5 | LASPUL\_RAYMND1\_1 | AJO to AJO LIN 1 | Las Pulgas - Raymondville 2 138kV | 14 | $42,806.24 |  |  |
| SLAQLOB8 | BRUNI\_69\_1 | LAQUINTA to LOBO LIN 1 | Bruni Sub 138kV | 9 | $41,463.22 |  |  |
| MLONPK25 | 6375\_\_A | MAN\_DBL\_PKRSW-GRSES\_PKRSW-LONSW\_345KV | Graham Ses - Graham East 138kV | 1 | $34,232.36 |  |  |
| SFTSFVL5 | 35055\_\_A | FILES VALLEY SWITCH to FORT SMITH SWITCH LIN \_A | Sam Switch - Venus Switch 345kV | 1 | $34,222.06 |  |  |
| DELMSAN5 | POT\_OAKS\_1 | Elmcreek-Sanmigl 345kV | Poteet Sub - Oaks Sub 69kV | 1 | $32,327.45 |  |  |
| DRAZSA89 | 2585\_1 | Double Circuit RAZORBAC to DRYFRIO 138 kV & UVALDE to SABINAL 69 kV | Moore Switching Station - Downie Switching Station 138kV | 3 | $30,116.50 |  |  |
| SCARFRI8 | ATSO\_SONR1\_1 | Carver to Carver LIN 1 | Atlantic Sonora - Sonora 69kV | 4 | $27,522.13 |  |  |
| SCOLBAL8 | SANA\_FMR1 | BALLINGER to COLEMAN LAKE IVIE TAP LIN 1 | Santa Anna 138kV | 1 | $27,307.78 |  |  |
| DRAZSA89 | READIN\_UVALDE1\_1 | Double Circuit RAZORBAC to DRYFRIO 138 kV & UVALDE to SABINAL 69 kV | Uvalde Aep - Reading 138kV | 4 | $25,849.49 |  |  |
| SMADSAP8 | MADDUX\_SAPOWE2\_1 | MADDUX to SAN ANGELO POWER STATION LIN 1 | Maddux - San Angelo Power Station 138kV | 3 | $24,678.42 |  |  |
| MLOFOAV5 | LARDVN\_LASCRU1\_1 | double LOBO to AVANZADA & LOBO to FOWLERTON | Laredo Vft North - Las Cruces 138kV | 2 | $24,009.34 |  |  |
| SSTAWIC8 | 138\_IH2\_COT\_1 | STAGHORN TNP to WICKETT TNP LIN 1 | Ih 20 Tnp - Collie Field Tap Tnp 138kV | 19 | $23,955.26 |  |  |
| DBIGKEN5 | FORTMA\_YELWJC1\_1 | Bighil-Kendal 345kV | Yellow Jacket - Fort Mason 138kV | 2 | $23,489.82 |  |  |
| SCT2CAR8 | HAMILT\_MAXWEL1\_1 | CAUTHORN to Carver LIN 1 | Hamilton Road - Maxwell 138kV | 3 | $19,674.99 |  |  |
| SEUSWLT8 | 1520\_\_C | EUSTACE SOUTHEAST to WALTON LIN 1 | Elkton - Teaselville 138kV | 1 | $19,206.01 |  |  |
| SDAFAUS8 | CKT\_1027\_1 | AUSTROP to DAFFIN GIN LIN 1 | Decker Power Plant - Aen Dunlap 138kV | 1 | $18,896.27 |  |  |
| MDTCRTH5 | 35065\_\_A | MANUAL DOUBLE THSES TO TCRSW & FBRSW TO THSES 345 DBLCKT | Fort Smith Switch - Files Valley Switch 345kV | 3 | $18,236.03 |  |  |
| DBIGSCH5 | CROSSO\_NORTMC1\_1 | Big Hill - Schneeman Draw & Big Hill - Schneeman Draw 2 | North Mccamey - Crossover 138kV | 2 | $17,757.77 |  |  |
| DEXCRNK5 | HCKSW\_MR1H | EXCSW TO RNKSW 345 KV DBLCKT | Hicks Switch 345kV | 1 | $17,691.28 |  |  |
| SMV\_PHA8 | VAL\_VERD\_WSLCO\_1 | ALBERTA ROAD SWITCHING STATION to ALBERTA ROAD SWITCHING STATION LIN 1 | Weslaco Switch - Val Verde Sub 138kV | 1 | $17,646.47 |  |  |
| XFTS89 | ALPINE\_BRONCO1\_1 | FORT STOCKTON PLANT TRX 69T1 138/69 | Alpine - Bronco 69kV | 4 | $17,298.31 |  |  |
| DNOESGT5 | HARGRO\_TWINBU1\_1 | NOELKE - SINGLE TREE & NOELKE- SINGLE TREE 2 | Hargrove - Twin Buttes 138kV | 1 | $16,139.81 |  |  |
| SELMTH25 | 1025\_\_B | ELM MOTT to ELM MOTT LIN \_A | Mclane Switch - Frow Sub 138kV | 3 | $14,813.02 |  |  |
| DKG\_NB\_5 | MDOPHR99\_A | TWR(345) JOR-KG97 & JOR-NB99 | Meadow - Ph Robinson 345kV | 3 | $14,477.43 |  |  |
| STMPTMP5 | 300\_\_A | TEMPLE PECAN CREEK to TEMPLE SWITCH LIN \_A | Temple Switch - Temple Pecan Creek 345kV | 1 | $13,498.32 |  |  |
| DBIGKEN5 | CARVER\_TINSLE1\_1 | Bighil-Kendal 345kV | Carver - Tinsley Tap 138kV | 2 | $12,298.44 |  |  |
| SBRAHAM8 | BRACKE\_ESCOND1\_1 | BRACKETTVILLE to HAMILTON ROAD LIN 1 | Brackettville - Escondido 138kV | 3 | $12,278.22 |  |  |
| DFOWSMG5 | GEO\_SIG\_1 | FOWLRTON TO SAN MIGUEL DOUBLE CIRCUIT CONTINGENCY | George West Switching Station - Sigmor 138kV | 1 | $12,039.74 |  |  |
| SCITWEI8 | CLARK\_\_LON\_HI1\_1 | CHAMPLIN to CHAMPLIN LIN 1 | Clarkwood - Lon Hill 138kV | 1 | $11,886.13 |  |  |
| SEBHUG8 | DA\_WC\_89\_A | EAST BERNARD to EAST BERNARD LIN A | Damon - West Columbia 138kV | 1 | $10,829.15 |  |  |
| DWPWFCK5 | STPWAP39\_1 | TWR(345) WAP-WLF64 & CCK-WLY72 | South Texas Project - Wa Parish 345kV | 1 | $10,510.63 |  |  |
| DBLBYWF5 | STPWAP39\_1 | TWR (345) BLU-BLY72 & HLJ-WLF64 | South Texas Project - Wa Parish 345kV | 1 | $10,178.55 |  |  |
| SEBHUG8 | ARROZ\_EL\_CAM1\_1 | EAST BERNARD to EAST BERNARD LIN A | Arroz - El Campo 138kV | 2 | $10,129.56 |  |  |
| MRGRSUN8 | 6240\_\_C | MAN\_SGL\_RGRSW-SUNSW\_138KV | Sacroc - Deep Creek Sub 138kV | 3 | $9,879.57 |  |  |
| SLOLFOR8 | GOHLKE\_JOSLIN1\_1 | LOLITA to FORMOSA LIN 1 | Gohlke - Joslin 138kV | 1 | $9,404.11 |  |  |
| SHENPAI8 | ABNTHW\_SERDEV1\_1 | HENDRICK to HENDRICK LIN 1 | #N/A | 3 | $9,297.26 |  |  |
| DREFSTP5 | STPWAP39\_1 | TWR(345) JCK-STP18 & REF-STP27 | South Texas Project - Wa Parish 345kV | 1 | $8,743.59 |  |  |
| DCPSES12 | 35050\_\_B | Comanche Peak 1 & 2 | Venus Switch - Fort Smith Switch 345kV | 1 | $8,528.63 |  |  |
| SMYRSPR8 | 583\_\_D | MYRA to MYRA LIN 1 | Denton Creek Switch - Allison 138kV | 5 | $8,487.62 |  |  |
| MRGRMGS5 | 6240\_\_C | MAN\_SGL\_RGRSW-MGSES\_345KV | Sacroc - Deep Creek Sub 138kV | 1 | $7,568.09 |  |  |
| DBIGSCH5 | SANTAR\_WOLFCA1\_1 | Big Hill - Schneeman Draw & Big Hill - Schneeman Draw 2 | Santa Rita - Wolfcamp 138kV | 1 | $6,326.82 |  |  |
| DBAKCED5 | CROSSO\_PALOUS1\_1 | BAKESW-CEDACA 345kV & BAKESW-CEDACA 345kV | Crossover - Palouse 138kV | 1 | $6,135.90 |  |  |
| DCPSES12 | 35065\_\_A | Comanche Peak 1 & 2 | Fort Smith Switch - Files Valley Switch 345kV | 1 | $5,966.14 |  |  |
| DALASOA8 | 138\_FTS\_LNC\_1 | Manual From ALAMO\_ST To SOAPTREE 138kV | Leon Creek Tnp - Fort Stockton Plant 138kV | 4 | $5,531.33 |  |  |
| MTULBAS8 | COLETO\_ROSATA1\_1 | Manual Tuleta to Basil 138 kV | Coleto Creek - Rosata Tap 138kV | 1 | $5,504.76 |  |  |
| DBAKCED5 | LVOK\_SANTIA1\_1 | BAKESW-CEDACA 345kV & BAKESW-CEDACA 345kV | Live Oak Aep - Santiago 138kV | 1 | $4,970.15 |  |  |
| DBIGKEN5 | HAMILT\_MAXWEL1\_1 | Bighil-Kendal 345kV | Hamilton Road - Maxwell 138kV | 2 | $4,740.81 |  |  |
| XUVA189 | CHAPAR\_TURTLC1\_1 | UVALDE AEP TRX T1 138/69 | Turtle Creek Switching Station - Chaparrosa Tap 69kV | 1 | $4,490.72 |  |  |
| DCPSES12 | 35045\_\_A | Comanche Peak 1 & 2 | Sam Switch - Files Valley Switch 345kV | 1 | $3,876.54 |  |  |
| MDTPCTH5 | 1025\_\_B | MANUAL DOUBLE TEMPLE PECAN CREEK SW TO TRADINGHOUSE SW AND BELFALLS SWITCH 345 KV | Mclane Switch - Frow Sub 138kV | 1 | $3,844.64 |  |  |
| SLONSAX8 | MORRIS\_NUECES1\_1 | LON HILL to SAXET LIN 1 | Morris Street - Nueces Bay 138kV | 1 | $3,248.06 |  |  |
| DDILCOT8 | DILLEYSW\_XF1H | Dilleysw-Sanmgsw&Cotulas 138kV | Dilley Switch Aep 138kV | 1 | $2,993.90 |  |  |
| DPRSHWK8 | 1560\_\_A | PRSSW-HWKSW 138 DBLCKT | Reno Tap - Paris East 138kV | 2 | $2,905.67 |  |  |
| SBCESN35 | 431\_\_A | BELL COUNTY EAST SWITCH to BELL COUNTY EAST SWITCH LIN \_A | Sandow Switch - Bell County East Switch 345kV | 1 | $2,598.70 |  |  |
| STRECFL8 | MADDUX\_SAPOWE2\_1 | Treadwell to CFLATS SUBSTATION LIN 1 | Maddux - San Angelo Power Station 138kV | 2 | $2,594.05 |  |  |
| SCM2DCS8 | 805\_\_A | CARMICHAEL BEND SWITCH to CARMICHAEL BEND SWITCH LIN \_A | Decordova Ses - Carmichael Bend Switch 138kV | 1 | $2,536.16 |  |  |
| DFVLFTS5 | 505\_\_B | FVLSW-FTSSW & SAMSW-VENSW 345 DBLCKT | Tradinghouse Ses - Four Brothers Switch 345kV | 1 | $2,463.21 |  |  |
| MBIGLYL9 | BIG\_FO\_PLEASA1\_1 | BIG\_FOOT to DEVINE to LYTLE2 | Big Foot - Pleasanton 138kV | 1 | $2,447.88 |  |  |
| SBRAPIN8 | GANSO\_MAVERI1\_1 | BRACKETTVILLE to BRACKETTVILLE LIN 1 | Ganso - Maverick 138kV | 1 | $2,177.42 |  |  |
| DODEMOS5 | 6505\_\_A | ODEHV-MOSSW 345&ODEHV-WLFSW 345\_DBLCKT | Nylon Tap - Nylon Switch 138kV | 1 | $2,058.77 |  |  |
| DBERNAR8 | 372T359\_1 | Burnet-Naruna & Bertra 138kV | Gabriel - Glasscock 138kV | 1 | $1,808.25 |  |  |
| SES2FRI8 | MIDW\_OZONA1\_1 | Esmeralda to Esmeralda LIN 1 | Midway Lane - Ozona 69kV | 1 | $1,703.33 |  |  |
| SKEIGIB8 | RPR\_GIBC\_1 | GIBBONS CREEK to KEITH SWITCH LIN 1 | Roans Prairie Bepc - Gibbons Creek 138kV | 1 | $1,426.92 |  |  |
| XCMB58 | 651\_\_B | CARMICHAEL BEND SWITCH TRX CMBSW\_3\_1 345/138 | Comanche Tap - Comanche Switch (Oncor) 138kV | 1 | $1,149.08 |  |  |
| XYEL88 | MADDUX\_SAPOWE2\_1 | YELLOW JACKET TRX PS\_1 138/138 | Maddux - San Angelo Power Station 138kV | 1 | $1,139.55 |  |  |

## Generic Transmission Constraint Congestion

|  |  |
| --- | --- |
| GTC | Days Congestion |
| South Texas Export (E\_PASP) | 30 |
| Hamilton County | 30 |
| Zapata to Starr | 28 |
| Nelson Sharpe to Rio Hondo | 27 |
| North Edinburg to Lobo | 25 |
| Wharton County | 23 |
| South Texas Export (E\_PATA) | 22 |
| West Texas Export | 8 |
| North to Houston | 5 |
| Panhandle GTC | 5 |
| SAMSW | 4 |
| Valley Export | 4 |
| McCamey GTC | 2 |
| TRDWEL | 1 |

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.

## Manual Overrides

None

## 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 | 27,693 | 137,879,243.37 |
| BAKESW-CEDACA 345kV & BAKESW-CEDACA 345kV | Longshore Switch - Consavvy Switch 345kV | 17,127 | 79,043,802.44 |
| Basecase | WESTEX GTC | 13,613 | 75,556,207.11 |
| BAKESW-CEDACA 345kV & BAKESW-CEDACA 345kV | Hargrove - Twin Buttes 138kV | 12,537 | 75,459,324.40 |
| TWR(345) WAP-WLF64 & WAP-WLY72 | South Texas Project - Wa Parish 345kV | 9,589 | 48,798,851.24 |
| DMTSW TO SCOSW 345 DBLCKT | Knapp - Scurry Chevron 138kV | 16,863 | 46,528,465.16 |
| double FOWLERTON to AVANZADA & LOBO to FOWLERTON | Laredo Vft North - Las Cruces 138kV | 15,161 | 44,599,862.37 |
| Manual dbl ckt for NEDIN-BONILLA 345kV & RIOH-PRIM138kV | Haine Drive - La Palma 138kV | 18,196 | 42,940,882.69 |
| CONSAVVY SWITCH to CONSAVVY SWITCH LIN \_A | Morgan Creek Ses 345kV | 1,331 | 30,533,298.96 |
| SALSW - HUTTO 345KV | Bell County - Salado Switch 138kV | 5,341 | 30,417,039.15 |
| RNKSW TO LWSSW 345 AND RNKSW TO W DENT 345 DBLCKT | Roanoke Switch 138kV | 1,319 | 27,256,955.51 |
| Basecase | PNHNDL GTC | 15,434 | 25,673,477.03 |
| Basecase | NE\_LOB GTC | 23,172 | 24,598,495.58 |
| Basecase | E\_PASP GTC | 11,929 | 22,930,404.35 |
| 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 |
| TWR (345) WAP-BI50 & SMITHERS-BI98 | Wa Parish - Jeanetta 345kV | 6,352 | 19,431,617.48 |
| BLACKWATER DRAW SWITCH to DOUBLE MOUNTAIN SWITCH LIN 1 | Mackenzie Substation - Northeast Substation 115kV | 7,142 | 19,009,543.54 |
| MAN\_DBL\_MOSSW-METSW+ODEHV-WLFSW\_345KV | Odessa Ehv Switch - Yarbrough Sub 138kV | 4,257 | 18,786,247.52 |

# System Events

## ERCOT Peak Load

The unofficial ERCOT peak load for July 2025 was 81,707 MW and occurred on 7/30/2025 during hour ending 18:00, this is 662 MW more than the July 2024 demand of 81,045 MW on 7/01/2024 during hour ending 18:00. Instantaneous peak for July 2025 was 82,627 MW. Actual instantaneous peak for the same month last year was 81,838 MW.

## Load Shed Events

NONE.

## 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

RWE Submitted an EOP-004-4 for 7/22/2025 – Damage or Destruction of a Facility.

RWE Submitted an EOP-004-4 for 7/25/2025 – Damage or Destruction of a Facility.

AEP Submitted a DOE-417 for 07/29/25 – Major Transmission system interruption (3 or more elements)

## New/Updated Constraint Management Plans

None

## New/Modified/Removed RAS

None.

## New Procedures/Forms/Operating Bulletins

|  |  |  |
| --- | --- | --- |
| **Date** | **Subject** | **Bulletin No.** |
| 07/31/2025 | Transmission and Security Desk V1 Rev 121 | 1186 |
| 07/31/2025 | Shift Supervisor Desk V1 Rev 101 | 1185 |
| 07/31/2025 | Reliability Unit Commitment V1 Rev 78 | 1184 |

# Emergency Conditions

## OCNs

None.

## Advisories

None.

## Watches

None.

## Emergency Notices

None.

# 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 43 DPCs were implemented in July 2025. 299 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) | 5 |
| 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) | 3 |
| CITY OF AUSTIN DBA AUSTIN ENERGY (TDSP) | 0 |
| CITY OF COLLEGE STATION (TDSP) | 0 |
| CITY OF GARLAND (TDSP) | 2 |
| CPS ENERGY (TDSP) | 1 |
| CROSS TEXAS TRANSMISSION LLC (TSP)) | 0 |
| DENTON MUNICIPAL ELECTRIC (TDSP) | 0 |
| ELECTRIC TRANSMISSION TEXAS LLC (TDSP) | 0 |
| ERCOT | 3 |
| LCRA TRANSMISSION SERVICES CORPORATION (TDSP) | 22 |
| LONE STAR TRANSMISSION LLC (TSP) | 0 |
| ONCOR ELECTRIC DELIVERY COMPANY LLC (TDSP) | 3 |
| PEDERNALES ELECTRIC CO OP INC (TDSP) | 2 |
| 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 | July | MFOAVLO5 | LARDVN\_LASCRU1\_1 | LARDVNTH | LASCRUCE | 31 |
| 2025 | July | BASE CASE | E\_PASP | n/a | n/a | 30 |
| 2025 | July | BASE CASE | HMLTN | n/a | n/a | 30 |
| 2025 | July | SW\_LVLT5 | 15060\_\_B | VEALMOOR | KOCHTAP | 29 |
| 2025 | July | BASE CASE | ZAPSTR | n/a | n/a | 28 |
| 2025 | July | BASE CASE | NELRIO | n/a | n/a | 27 |
| 2025 | July | DWPWFWP5 | STPWAP39\_1 | STP | WAP | 26 |
| 2025 | July | BASE CASE | NE\_LOB | n/a | n/a | 25 |
| 2025 | July | BASE CASE | WHARTN | n/a | n/a | 23 |
| 2025 | July | DBAKCED5 | 6056\_\_A | LNGSW | CONSW | 23 |
| 2025 | July | BASE CASE | E\_PATA | n/a | n/a | 22 |
| 2025 | July | DBAKCED5 | HARGRO\_TWINBU1\_1 | TWINBU | HARGROVE | 22 |
| 2025 | July | SSTAWIC8 | 138\_IH2\_COT\_1 | IH20 | TNCOLIET | 21 |
| 2025 | July | DSLKSOL5 | 138\_FLT\_FXT\_1 | TNFXTAIL | FLAT\_TOP | 21 |
| 2025 | July | STHSVE65 | 35050\_\_B | FTSSW | VENSW | 20 |
| 2025 | July | MHARNED5 | BURNS\_RIOHONDO\_1 | RIOHONDO | MV\_BURNS | 19 |
| 2025 | July | DDILPE89 | BIG\_FO\_PLEASA1\_1 | BIG\_FOOT | PLEASANT | 17 |
| 2025 | July | DBLW2JC5 | WAPWLY72\_A | WLY | WAP | 17 |
| 2025 | July | SN\_SAJO5 | LASPUL\_RAYMND1\_1 | LASPULGA | RAYMND2 | 17 |
| 2025 | July | MFOAVLO5 | DEL\_MA\_LAREDO1\_1 | LAREDO | DEL\_MAR | 16 |
| 2025 | July | SKLELOY8 | LOYOLA\_69\_1 | LOYOLA | LOYOLA | 16 |
| 2025 | July | SLAQLOB8 | BRUNI\_69\_1 | BRUNI | BRUNI | 16 |
| 2025 | July | DSALHUT5 | 1710\_\_C | BELCNTY | SALSW | 15 |
| 2025 | July | DBIGKEN5 | TREADW\_YELWJC1\_1 | TREADWEL | YELWJCKT | 15 |
| 2025 | July | SE4BIG8 | BIG\_FOOT\_69A1 | BIG\_FOOT | BIG\_FOOT | 15 |
| 2025 | July | DMTSCOS5 | 6437\_\_F | SCRCV | KNAPP | 15 |
| 2025 | July | XBIG89 | BIG\_FO\_PLEASA1\_1 | BIG\_FOOT | PLEASANT | 15 |
| 2025 | July | MXMUL58 | ABNTHW\_SERDEV1\_1 | ABNTHWST | ABNTHWST | 13 |
| 2025 | July | DWAP\_OB5 | MDOPHR99\_A | MDO | PHR | 13 |
| 2025 | July | DMTSCOS5 | 6240\_\_C | SACRC | DPCRK | 12 |
| 2025 | July | MLOFOAV5 | DEL\_MA\_LAREDO1\_1 | LAREDO | DEL\_MAR | 12 |
| 2025 | July | SP5CAG8 | D5\_S1\_1 | HOWARD | LEON\_CRK | 12 |
| 2025 | July | DMOSME25 | 6345\_\_L | SNDHT | WLFSW | 12 |
| 2025 | July | SBRAPIN8 | HAMILT\_MAVERI1\_1 | HAMILTON | MAVERICK | 11 |
| 2025 | July | DBIGKEN5 | MADDUX\_TREADW1\_1 | MADDUX | TREADWEL | 11 |
| 2025 | July | DFMRCYC5 | 205\_\_A | MNSES | SSPSW | 11 |
| 2025 | July | SRAYRI38 | HAINE\_\_LA\_PAL1\_1 | LA\_PALMA | HAINE\_DR | 10 |
| 2025 | July | MFOAVLO5 | BRUNI\_69\_1 | BRUNI | BRUNI | 10 |
| 2025 | July | SBWDDBM5 | LPLMK\_LPLNE\_1 | LPLMK | LPLNE | 10 |
| 2025 | July | DBIGSCH5 | PALOUS\_WOLFCA1\_1 | PALOUSE | WOLFCAMP | 10 |
| 2025 | July | DCC1DUKE | BURNS\_RIOHONDO\_1 | RIOHONDO | MV\_BURNS | 10 |
| 2025 | July | DVLSPAC5 | 1561\_\_A | DPREA | RCSES | 9 |
| 2025 | July | SRNKEXC5 | 108\_\_A | EXCSW | RNKSW | 9 |
| 2025 | July | MPEABIG8 | POT\_PEAR\_1 | PEARSALL | POTEETS | 9 |
| 2025 | July | MDTCRTH5 | 35050\_\_B | FTSSW | VENSW | 9 |
| 2025 | July | DRNS\_TB5 | THWZEN71\_A | ZEN | THW | 9 |
| 2025 | July | XHA2S89 | OLS\_JNES\_1 | OLSEN | JNESBORO | 9 |
| 2025 | July | MHARNED5 | HAINE\_\_LA\_PAL1\_1 | LA\_PALMA | HAINE\_DR | 9 |
| 2025 | July | DWLDSCO5 | 6217\_\_A | WLVSW | GAILS | 8 |
| 2025 | July | SCMNCPS5 | 651\_\_B | CMNSW | CMNTP | 8 |
| 2025 | July | DSTEXP12 | BLESSI\_LOLITA1\_1 | LOLITA | BLESSING | 8 |
| 2025 | July | MBIGLYL9 | BIG\_FO\_PLEASA1\_1 | BIG\_FOOT | PLEASANT | 8 |
| 2025 | July | BASE CASE | WESTEX | n/a | n/a | 8 |
| 2025 | July | DZORHAY5 | BERGHE\_AT1H | BERGHE | BERGHE | 8 |
| 2025 | July | SBRAPIN8 | ESCOND\_GANSO1\_1 | GANSO | ESCONDID | 7 |
| 2025 | July | DWAP\_BI5 | BI\_JN\_64\_A | JN | BI | 7 |
| 2025 | July | SPLSFAS9 | POT\_PEAR\_1 | PEARSALL | POTEETS | 7 |
| 2025 | July | SMDOPHR5 | 138\_ALV\_NAL\_1 | TNNALVIN | ALVIN | 7 |
| 2025 | July | SHENPAI8 | ABNTHW\_SERDEV1\_1 | ABNTHWST | ABNTHWST | 7 |
| 2025 | July | SBRAHAM8 | ESCOND\_GANSO1\_1 | ESCONDID | GANSO | 7 |
| 2025 | July | SBRAPIN8 | ESCOND\_GANSO1\_1 | ESCONDID | GANSO | 7 |
| 2025 | July | MFOAVLO5 | FREER\_LOBO1\_1 | LOBO | FREER | 7 |
| 2025 | July | SHC2EXC5 | 107\_\_B | HCKSW | EXCSW | 6 |
| 2025 | July | SW\_LVLT5 | 15060\_\_A | KOCHTAP | BUZSW | 6 |
| 2025 | July | SMYRSPR8 | 583\_\_D | DCRSW | ALISN | 6 |
| 2025 | July | DTWLCED5 | HARGRO\_TWINBU1\_1 | TWINBU | HARGROVE | 6 |
| 2025 | July | DRAZSA89 | READIN\_UVALDE1\_1 | UVALDE | READING | 6 |
| 2025 | July | DLWSRNK5 | 587\_\_A | ARGYL | LWSVH | 6 |
| 2025 | July | SFMRRYS5 | 400\_\_A | FMRVL | RYSSW | 6 |
| 2025 | July | MIDUMCL8 | I\_DUPS\_RESNIK2\_2 | I\_DUPSW | RESNIK | 6 |
| 2025 | July | MDFRYSK8 | SEA\_AAT1 | SEA | SEA | 6 |
| 2025 | July | SMDOOAS5 | GN\_PZ\_08\_A | GN | PZ | 6 |
| 2025 | July | SDIMBEV8 | UVALDE\_W\_BATE1\_1 | W\_BATESV | UVALDE | 6 |
| 2025 | July | DELMSAN5 | F2\_11\_1 | KENEDSW | F2 | 6 |
| 2025 | July | DEXCHCK5 | HCKSW\_MR1H | HCKSW | HCKSW | 6 |
| 2025 | July | MRGRSUN8 | 6240\_\_C | SACRC | DPCRK | 6 |
| 2025 | July | SWORBRD8 | 138\_WIC\_STG\_1 | WICKETT | STAGHORN | 5 |
| 2025 | July | SVENFTS5 | 35055\_\_A | SAMSW | VENSW | 5 |
| 2025 | July | MLOFOAV5 | ASHERT\_CATARI1\_1 | ASHERTON | CATARINA | 5 |
| 2025 | July | BASE CASE | N\_TO\_H | n/a | n/a | 5 |
| 2025 | July | DSGTSCH5 | HARGRO\_TWINBU1\_1 | TWINBU | HARGROVE | 5 |
| 2025 | July | SFMRRY25 | 381\_\_A | FMRVL | RYSSW | 5 |
| 2025 | July | BASE CASE | PNHNDL | n/a | n/a | 5 |
| 2025 | July | SCT2CAR8 | HAMILT\_MAXWEL1\_1 | MAXWELL | HAMILTON | 5 |
| 2025 | July | DELMSAN5 | POT\_OAKS\_1 | POTEETS | OAKS9 | 5 |
| 2025 | July | DBIGKEN5 | HAMILT\_MAXWEL1\_1 | MAXWELL | HAMILTON | 5 |
| 2025 | July | STHSVE65 | 35065\_\_A | FVLSW | FTSSW | 5 |
| 2025 | July | DNOETWL5 | HARGRO\_TWINBU1\_1 | TWINBU | HARGROVE | 5 |
| 2025 | July | XFTS89 | ALPINE\_BRONCO1\_1 | BRONCO | ALPINE | 5 |
| 2025 | July | SELMTH25 | 1025\_\_B | FROWS | MCLSW | 4 |
| 2025 | July | DVLSPAC5 | 874\_\_A | CRSSW | COMSW | 4 |
| 2025 | July | BASE CASE | SAMSW | n/a | n/a | 4 |
| 2025 | July | DBUCRGP5 | 651\_\_B | CMNSW | CMNTP | 4 |
| 2025 | July | SCARFRI8 | ATSO\_SONR1\_1 | SONR | ATSO | 4 |
| 2025 | July | DFOWSMG5 | FWLRTN\_TILDEN\_1 | FOWLRTON | TILDEN | 4 |
| 2025 | July | DWPWFCK5 | STPWAP39\_1 | STP | WAP | 4 |
| 2025 | July | DEXCHCK5 | 583\_\_D | DCRSW | ALISN | 4 |
| 2025 | July | SRN2EXC5 | 109\_\_A | EXCSW | RNKSW | 4 |
| 2025 | July | DKG\_NB\_5 | MDOPHR99\_A | MDO | PHR | 4 |
| 2025 | July | BASE CASE | VALEXP | n/a | n/a | 4 |
| 2025 | July | DODEMOS5 | 6513\_\_A | ODESA | ODNTH | 4 |
| 2025 | July | SCMNCPS5 | 651\_\_C | CMNTP | SHILO | 4 |
| 2025 | July | SHAYZO25 | 6T227\_1 | HAYSEN | ZORN | 4 |
| 2025 | July | DALASOA8 | 138\_FTS\_LNC\_1 | FTST | LEONCRK | 4 |
| 2025 | July | DBIGSCH5 | CROSSO\_NORTMC1\_1 | NORTMC | CROSSOVE | 4 |
| 2025 | July | SOWLBIG8 | BISON\_STRS1\_1 | BISON | STRS | 3 |
| 2025 | July | SBRAHAM8 | GANSO\_MAVERI1\_1 | GANSO | MAVERICK | 3 |
| 2025 | July | DPHRCTR5 | MDOPHR99\_A | MDO | PHR | 3 |
| 2025 | July | DELMSAN5 | PAWNEE\_SPRUCE\_1 | PAWNEE | CALAVERS | 3 |
| 2025 | July | MHLSRHS8 | 2270\_\_B | MEXTP | ITALY | 3 |
| 2025 | July | DGRMGRS8 | 6830\_\_B | CRDSW | OLNEY | 3 |
| 2025 | July | SEUSWLT8 | BLASCOFE\_RC\_1 | BLASW | COFESSRC | 3 |
| 2025 | July | DRICLOU8 | VND\_PLCE\_1 | PLCEDOS | VANBLT69 | 3 |
| 2025 | July | STNPTO25 | 345\_TWN\_WLO\_1 | TNWILLOW | TOKSW | 3 |
| 2025 | July | DLNCGRS5 | 6380\_\_D | MURRAY | PAINTCRE | 3 |
| 2025 | July | SEUSWLT8 | BLASCOFE\_RC\_1 | COFESSRC | BLASW | 3 |
| 2025 | July | SILLFTL8 | CARVER\_TINSLE1\_1 | CARVER | TINSLEY | 3 |
| 2025 | July | SCISPUT8 | LENSW\_PUTN2\_1 | LENSW | PUTN | 3 |
| 2025 | July | MSUNESC8 | UVALDE\_W\_BATE1\_1 | W\_BATESV | UVALDE | 3 |
| 2025 | July | MRGRMGS5 | 6240\_\_C | SACRC | DPCRK | 3 |
| 2025 | July | DCAGMED8 | D5\_S1\_1 | HOWARD | LEON\_CRK | 3 |
| 2025 | July | SMADSAP8 | MADDUX\_SAPOWE2\_1 | MADDUX | SAPOWER | 3 |
| 2025 | July | DBIGSCH5 | SANTAR\_WOLFCA1\_1 | WOLFCAMP | SANTARIT | 3 |
| 2025 | July | DPRSHWK8 | 1560\_\_A | RENTP | PREST | 3 |
| 2025 | July | MDTCRTH5 | 35065\_\_A | FVLSW | FTSSW | 3 |
| 2025 | July | SRICGRS8 | 6840\_\_B | NVKSW | ANARN | 3 |
| 2025 | July | DELMSAN5 | BIG\_FO\_PLEASA1\_1 | BIG\_FOOT | PLEASANT | 3 |
| 2025 | July | DFRIILL8 | HAMILT\_MAXWEL1\_1 | MAXWELL | HAMILTON | 3 |
| 2025 | July | DBIGSCH5 | HARGRO\_TWINBU1\_1 | TWINBU | HARGROVE | 3 |
| 2025 | July | DRAZSA89 | 2585\_1 | DOWNIES | MOORE | 3 |
| 2025 | July | DWCSH285 | 583\_\_D | DCRSW | ALISN | 3 |
| 2025 | July | XUVA189 | CHAPAR\_TURTLC1\_1 | TURTLCRK | CHAPARRO | 3 |
| 2025 | July | SILLFTL8 | HAMILT\_MAXWEL1\_1 | MAXWELL | HAMILTON | 3 |
| 2025 | July | DCPSES12 | 35055\_\_A | SAMSW | VENSW | 3 |
| 2025 | July | DCPSST58 | 651\_\_B | CMNSW | CMNTP | 3 |
| 2025 | July | SBRAHAM8 | BRACKE\_ESCOND1\_1 | BRACKETT | ESCONDID | 3 |
| 2025 | July | SEUSWLT8 | 1520\_\_C | ELKTN | TSLVL | 2 |
| 2025 | July | SZENTH35 | THWZEN71\_A | ZEN | THW | 2 |
| 2025 | July | SMYRSPR8 | 595\_\_A | BNTSW | DCATR | 2 |
| 2025 | July | DCONLNG5 | 6044\_\_A | FLCNS | RCKSW | 2 |
| 2025 | July | DBIGKEN5 | FORTMA\_YELWJC1\_1 | YELWJCKT | FORTMA | 2 |
| 2025 | July | MLOFOAV5 | LARDVN\_LASCRU1\_1 | LARDVNTH | LASCRUCE | 2 |
| 2025 | July | DBAKCED5 | LVOK\_SANTIA1\_1 | SANTIAGO | LVOK | 2 |
| 2025 | July | MDTCRFB5 | 35050\_\_B | FTSSW | VENSW | 2 |
| 2025 | July | DAUSLOS5 | 366T150\_1 | ALUMCR | GIDEON | 2 |
| 2025 | July | SBUZLME8 | 6217\_\_A | WLVSW | GAILS | 2 |
| 2025 | July | DFMRCYC5 | 690\_\_C | SSPSW | LBRPD | 2 |
| 2025 | July | SLANARR8 | BLESSING\_69A1 | BLESSING | BLESSING | 2 |
| 2025 | July | DCE\_RIO5 | DEL\_MA\_LAREDO1\_1 | LAREDO | DEL\_MAR | 2 |
| 2025 | July | SBCESN35 | 431\_\_A | BCESW | SNDSW | 2 |
| 2025 | July | SSPRVAL8 | 595\_\_A | BNTSW | DCATR | 2 |
| 2025 | July | DWLDSCO5 | 6217\_\_B | GAILS | KEYSB | 2 |
| 2025 | July | DWLFMET5 | 6345\_\_L | SNDHT | WLFSW | 2 |
| 2025 | July | SRT2WC8 | G138\_17\_1 | BRAZORIA | RT | 2 |
| 2025 | July | STRECFL8 | MADDUX\_SAPOWE2\_1 | MADDUX | SAPOWER | 2 |
| 2025 | July | SOBWA2P5 | OB\_WAP99\_A | WAP | OB | 2 |
| 2025 | July | SBRAPIN8 | GANSO\_MAVERI1\_1 | MAVERICK | GANSO | 2 |
| 2025 | July | DCAGCO58 | 656T656\_1 | KENDAL | BERGHE | 2 |
| 2025 | July | MFOAVLO5 | ASHERT\_CATARI1\_1 | CATARINA | ASHERTON | 2 |
| 2025 | July | SESMFRI8 | BIGLAK\_PHBL\_T1\_1 | BIGLAKE | PHBL\_TAP | 2 |
| 2025 | July | DBIGKEN5 | CARVER\_TINSLE1\_1 | CARVER | TINSLEY | 2 |
| 2025 | July | SHELKEN8 | F2\_11\_1 | KENEDSW | F2 | 2 |
| 2025 | July | DBAKCED5 | HARGRO\_PUMPJA1\_1 | HARGROVE | PUMPJACK | 2 |
| 2025 | July | BASE CASE | MCCAMY | n/a | n/a | 2 |
| 2025 | July | SDAFAUS8 | CKT\_1027\_1 | DUNLAP | DECKER | 2 |
| 2025 | July | MDPBNED5 | DEL\_MA\_LAREDO1\_1 | LAREDO | DEL\_MAR | 2 |
| 2025 | July | SRIOZAP8 | DEL\_MA\_LAREDO1\_1 | LAREDO | DEL\_MAR | 2 |
| 2025 | July | SSTAWIC8 | 138\_COT\_BPT\_1 | TNCOLIET | BRDSPRYT | 2 |
| 2025 | July | SFTSFVL5 | 35055\_\_A | SAMSW | VENSW | 2 |
| 2025 | July | SDANBLE8 | BLESSING\_69A1 | BLESSING | BLESSING | 2 |
| 2025 | July | SBRAPIN8 | GANSO\_MAVERI1\_1 | GANSO | MAVERICK | 2 |
| 2025 | July | DFMRCYC5 | SSPSW\_MR1H | SSPSW | SSPSW | 2 |
| 2025 | July | DVENFTS5 | 2270\_\_B | MEXTP | ITALY | 2 |
| 2025 | July | DVENFTS5 | 505\_\_B | FBRSW | THSES | 2 |
| 2025 | July | DEXCHCK5 | 595\_\_A | BNTSW | DCATR | 2 |
| 2025 | July | SVEAW\_L5 | 6217\_\_A | WLVSW | GAILS | 2 |
| 2025 | July | SEBHUG8 | ARROZ\_EL\_CAM1\_1 | ARROZ | EL\_CAMPO | 2 |
| 2025 | July | DCPRJCK8 | BLESSING\_69A1 | BLESSING | BLESSING | 2 |
| 2025 | July | SDANDAN9 | BLESSING\_69A1 | BLESSING | BLESSING | 2 |
| 2025 | July | SDIMBEV8 | BRACKE\_ESCOND1\_1 | BRACKETT | ESCONDID | 2 |
| 2025 | July | DWELONL8 | CLARK\_\_LON\_HI1\_1 | LON\_HILL | CLARK\_WD | 2 |
| 2025 | July | DDILCOT8 | DILLEYSW\_XF1H | DILLEYSW | DILLEYSW | 2 |
| 2025 | July | MMCCIDU8 | I\_DUPS\_RESNIK2\_2 | I\_DUPSW | RESNIK | 2 |
| 2025 | July | DWCSHCK5 | 35100\_\_A | PKRSW | HCKSW | 2 |
| 2025 | July | SSANFER8 | CORONA\_AT4 | CORONA | CORONA | 1 |
| 2025 | July | SHA2MAX8 | CTHR\_TINSLE1\_1 | CTHR | TINSLEY | 1 |
| 2025 | July | SDICFR28 | G138\_8A\_1 | PHR | HDNLAKES | 1 |
| 2025 | July | DFOWSMG5 | GEO\_SIG\_1 | GEOWEST | SIGMOR | 1 |
| 2025 | July | STREMAD8 | HEARTL\_KATEMC1\_1 | HEARTLAN | KATEMCY | 1 |
| 2025 | July | SKEIGIB8 | RPR\_GIBC\_1 | RPR | GIBCRK | 1 |
| 2025 | July | SCOLBAL8 | SANA\_FMR1 | SANA | SANA | 1 |
| 2025 | July | DREFSTP5 | STPWAP39\_1 | STP | WAP | 1 |
| 2025 | July | MDOWSEB5 | WAPWLY72\_A | WLY | WAP | 1 |
| 2025 | July | BASE CASE | YELWJCKT\_69T2 | YELWJCKT | YELWJCKT | 1 |
| 2025 | July | DCRLNOR5 | 1140\_\_C | DFWD1 | DFWCE | 1 |
| 2025 | July | DPHRAL58 | 138\_ALV\_NAL\_1 | TNNALVIN | ALVIN | 1 |
| 2025 | July | BASE CASE | 138\_HDL\_EVE\_1 | HDNLAKES | EVLN\_ESS | 1 |
| 2025 | July | XCMB58 | 651\_\_B | CMNSW | CMNTP | 1 |
| 2025 | July | SPEBTRU8 | 940\_\_A | ENWSW | TMPTN | 1 |
| 2025 | July | SROCRIN8 | ARANSA\_GREGOR1\_1 | GREGORY | ARANSASP | 1 |
| 2025 | July | SOWLBIG8 | BIGLAK\_PHBL\_T1\_1 | PHBL\_TAP | BIGLAKE | 1 |
| 2025 | July | SDILDIL9 | BIG\_FOOT\_69A1 | BIG\_FOOT | BIG\_FOOT | 1 |
| 2025 | July | DTWLCED5 | HARGRO\_PUMPJA1\_1 | HARGROVE | PUMPJACK | 1 |
| 2025 | July | DEXCRNK5 | HCKSW\_MR1H | HCKSW | HCKSW | 1 |
| 2025 | July | STREMAD8 | HEARTL\_KATEMC1\_1 | KATEMCY | HEARTLAN | 1 |
| 2025 | July | DMCEBUT8 | MKLT\_TRNT1\_1 | TRNT | MKLT | 1 |
| 2025 | July | SORNLON8 | ORNGROV\_69\_1 | ORNGROV | ORNGROV | 1 |
| 2025 | July | BASE CASE | TRDWEL | n/a | n/a | 1 |
| 2025 | July | SFRAPAR8 | WEIDER\_RAND\_1 | WEIDER | W2 | 1 |
| 2025 | July | MDTPCTH5 | 1025\_\_B | FROWS | MCLSW | 1 |
| 2025 | July | SWLALCS8 | 1025\_\_B | FROWS | MCLSW | 1 |
| 2025 | July | DCRLNO25 | 1140\_\_C | DFWD1 | DFWCE | 1 |
| 2025 | July | SSTAPYO8 | 138\_IH2\_COT\_1 | IH20 | TNCOLIET | 1 |
| 2025 | July | STMPTMP5 | 300\_\_A | TMPSW | TMPCR | 1 |
| 2025 | July | SODLBRA8 | 346T697\_1 | PUEBLO | ROSICR | 1 |
| 2025 | July | DWLDSCO5 | 6217\_\_D | KEYSB | LMESA | 1 |
| 2025 | July | SCM2DCS8 | 805\_\_A | DCSES | CMBSW | 1 |
| 2025 | July | SABIABM8 | ABNTHW\_SERDEV1\_1 | ABNTHWST | ABNTHWST | 1 |
| 2025 | July | SCROSAN8 | BIG\_FO\_PLEASA1\_1 | BIG\_FOOT | PLEASANT | 1 |
| 2025 | July | DBAKCED5 | CROSSO\_PALOUS1\_1 | PALOUSE | CROSSOVE | 1 |
| 2025 | July | DBIGSCH5 | CROSSO\_PALOUS1\_1 | CROSSOVE | PALOUSE | 1 |
| 2025 | July | DVICDUP8 | FORMOS\_LOLITA1\_1 | FORMOSA | LOLITA | 1 |
| 2025 | July | DEXCHCK5 | HCKSW\_MR1L | HCKSW | HCKSW | 1 |
| 2025 | July | XYEL88 | MADDUX\_SAPOWE2\_1 | MADDUX | SAPOWER | 1 |
| 2025 | July | DFMRCYC5 | SSPSW\_MR1L | SSPSW | SSPSW | 1 |
| 2025 | July | SNWEWES8 | WES\_MV\_W\_1 | WESLACO | MV\_WESL4 | 1 |
| 2025 | July | SWORBRD8 | 138\_PYT\_STG\_1 | STAGHORN | PYOTE | 1 |
| 2025 | July | DCPSES12 | 35050\_\_B | FTSSW | VENSW | 1 |
| 2025 | July | MDTCRFB5 | 35055\_\_A | SAMSW | VENSW | 1 |
| 2025 | July | DCPSES12 | 35065\_\_A | FVLSW | FTSSW | 1 |
| 2025 | July | SSPRVAL8 | 583\_\_D | DCRSW | ALISN | 1 |
| 2025 | July | MMCKLNC5 | 6380\_\_D | MURRAY | PAINTCRE | 1 |
| 2025 | July | XPRS58 | 874\_\_A | CRSSW | COMSW | 1 |
| 2025 | July | XVLS58 | 890\_\_H | CHDSW | BONHM | 1 |
| 2025 | July | SCOCBAR9 | ALPINE\_BRONCO1\_1 | BRONCO | ALPINE | 1 |
| 2025 | July | SBROALP9 | COCS\_FTST1\_1 | COCS | FTST | 1 |
| 2025 | July | SLOLFOR8 | GOHLKE\_JOSLIN1\_1 | JOSLIN | GOHLKE | 1 |
| 2025 | July | BASE CASE | PALE\_ESS\_TLINE\_\_1 | BWDSW | PALE\_ESS | 1 |
| 2025 | July | BASE CASE | 2340\_\_D | MCFSW | MARAK | 1 |
| 2025 | July | DWLV89N8 | 3410\_\_A | ELVSW | REGST | 1 |
| 2025 | July | BASE CASE | 35055\_\_A | SAMSW | VENSW | 1 |
| 2025 | July | MDTCRTH5 | 35055\_\_A | SAMSW | VENSW | 1 |
| 2025 | July | SSGRBAL5 | 35055\_\_A | SAMSW | VENSW | 1 |
| 2025 | July | DNOETWL5 | 6056\_\_A | LNGSW | CONSW | 1 |
| 2025 | July | SSCLWF18 | 6840\_\_B | NVKSW | ANARN | 1 |
| 2025 | July | SBAKCED5 | BAKRFLD\_CEDCAN\_1 | CEDACA | BAKESW | 1 |
| 2025 | July | DSTPREF5 | BLESSING\_69A1 | BLESSING | BLESSING | 1 |
| 2025 | July | MBONNED5 | BURNS\_RIOHONDO\_1 | RIOHONDO | MV\_BURNS | 1 |
| 2025 | July | SGOHJOS8 | FORMOS\_LOLITA1\_1 | FORMOSA | LOLITA | 1 |
| 2025 | July | SSCJFS8 | GP\_TNK94\_A | TNK | GP | 1 |
| 2025 | July | SES2FRI8 | MIDW\_OZONA1\_1 | OZONA | MIDW | 1 |
| 2025 | July | SLONSAX8 | MORRIS\_NUECES1\_1 | NUECES\_B | MORRIS | 1 |
| 2025 | July | DDILPE89 | POT\_PEAR\_1 | PEARSALL | POTEETS | 1 |
| 2025 | July | DBLBYWF5 | STPWAP39\_1 | STP | WAP | 1 |
| 2025 | July | SMV\_NED8 | VAL\_VERD\_WSLCO\_1 | WESLACO | MV\_VALV4 | 1 |
| 2025 | July | SMV\_PHA8 | VAL\_VERD\_WSLCO\_1 | WESLACO | MV\_VALV4 | 1 |
| 2025 | July | DVICEDN8 | VND\_PLCE\_1 | PLCEDOS | VANBLT69 | 1 |
| 2025 | July | BASE CASE | YELWJCKT\_69T1 | YELWJCKT | YELWJCKT | 1 |
| 2025 | July | DCAGCI58 | 255T279\_1 | PIPECR | MEDILA | 1 |
| 2025 | July | DMGSBTR5 | 6036\_\_A | TKWSW | MGSES | 1 |
| 2025 | July | MLONPK25 | 6375\_\_A | GRSES | GRMES | 1 |
| 2025 | July | DODEMOS5 | 6505\_\_A | NYLNT | NYLSW | 1 |
| 2025 | July | SEUSWLT8 | BRTNWLTN\_RC\_1 | BRTNSSRC | WALTSSRC | 1 |
| 2025 | July | DLONSAX8 | CLARK\_\_LON\_HI1\_1 | LON\_HILL | CLARK\_WD | 1 |
| 2025 | July | DNOESGT5 | HARGRO\_TWINBU1\_1 | TWINBU | HARGROVE | 1 |
| 2025 | July | SOBWAP5 | OB\_WAP98\_A | WAP | OB | 1 |
| 2025 | July | SFTLMES8 | PALOUS\_WOLFCA1\_1 | PALOUSE | WOLFCAMP | 1 |
| 2025 | July | SBE2ASH8 | TURTLECK\_WCRYS\_1 | TURTLCRK | WCRYSTS | 1 |
| 2025 | July | DELMSAN5 | UVALDE\_W\_BATE1\_1 | W\_BATESV | UVALDE | 1 |
| 2025 | July | MOASSEB5 | WAPWLY72\_A | WLY | WAP | 1 |
| 2025 | July | DJEWBAL5 | 35055\_\_A | SAMSW | VENSW | 1 |
| 2025 | July | DBERNAR8 | 372T359\_1 | GABRIE | GLASSC | 1 |
| 2025 | July | DFVLFTS5 | 505\_\_B | FBRSW | THSES | 1 |
| 2025 | July | DBYRBOW5 | 6011\_\_B | RILEY | FSHSW | 1 |
| 2025 | July | SOZNFRI9 | BIGLAK\_PHBL\_T1\_1 | BIGLAKE | PHBL\_TAP | 1 |
| 2025 | July | XEL\_89 | BLESSING\_69A1 | BLESSING | BLESSING | 1 |
| 2025 | July | MTULBAS8 | COLETO\_ROSATA1\_1 | COLETO | ROSATA | 1 |
| 2025 | July | SEBHUG8 | DA\_WC\_89\_A | WC | DA | 1 |
| 2025 | July | DLEOTRU8 | F2\_11\_1 | KENEDSW | F2 | 1 |
| 2025 | July | MFOAVLO5 | LASCRU\_MILO1\_1 | LASCRUCE | MILO | 1 |
| 2025 | July | SNUELON8 | MORRIS\_NUECES1\_1 | NUECES\_B | MORRIS | 1 |
| 2025 | July | MRVSRDH8 | 2270\_\_B | MEXTP | ITALY | 1 |
| 2025 | July | DEXCHCK5 | 583\_\_C | ALISN | KRUMS | 1 |
| 2025 | July | DODEMOS5 | 6505\_\_A | NYLSW | NYLNT | 1 |
| 2025 | July | DVLSPAC5 | 890\_\_H | CHDSW | BONHM | 1 |
| 2025 | July | DDUNLOS5 | AUSTRO\_AT2H | AUSTRO | AUSTRO | 1 |
| 2025 | July | DBIGSCH5 | BIGLAK\_OWLS1\_1 | OWLS | BIGLAKE | 1 |
| 2025 | July | SEL\_ARR8 | BLESSING\_69A1 | BLESSING | BLESSING | 1 |
| 2025 | July | SSOLALM8 | COCS\_FTST1\_1 | FTST | COCS | 1 |
| 2025 | July | DFERGRM8 | CORONA\_AT4 | CORONA | CORONA | 1 |
| 2025 | July | SBVFB8 | FB\_FL\_60\_A | FB | FL | 1 |
| 2025 | July | DCAGPIN8 | U4\_X1\_1 | X1 | U4 | 1 |
| 2025 | July | STNAALA8 | 138\_FTS\_LNC\_1 | FTST | LEONCRK | 1 |
| 2025 | July | SBTPBNT8 | 2115\_\_B | TOWER | BNTSW | 1 |
| 2025 | July | DCPSES12 | 35045\_\_A | SAMSW | FVLSW | 1 |
| 2025 | July | DFMRCYC5 | 390\_\_A | WDDSW | PRSSW | 1 |
| 2025 | July | DTWLCED5 | 6056\_\_A | LNGSW | CONSW | 1 |
| 2025 | July | DWCSHCK5 | 6060\_\_A | PKRSW | EMSES | 1 |
| 2025 | July | DBIGKEN5 | BONDRO\_SONR1\_1 | SONR | BONDROAD | 1 |
| 2025 | July | MLOFOAV5 | BRUNI\_69\_1 | BRUNI | BRUNI | 1 |
| 2025 | July | SCITWEI8 | CLARK\_\_LON\_HI1\_1 | LON\_HILL | CLARK\_WD | 1 |
| 2025 | July | SSHIMCC8 | CNT\_MCCR\_1 | MCCREE | CENTRVIL | 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)