

January 2025 ERCOT Monthly Operations Report

Reliability and Operations Subcommittee Meeting

March 6, 2025

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# Report Highlights

* The unofficial ERCOT peak load for January 2025 was 77,478 MW and occurred on 01/22/2025, during hour ending 08:00. Instantaneous peak was 77,758 MW. Actual peak for the same month last year was 78,349 MW.
* There was 1 frequency event.
* There was 1 ERCOT Contingency Reserve Service (ECRS) events.
* There were no Responsive Reserve Service (RRS) events.
* 2 OCNs – Due to extreme cold weather systems impacting ERCOT.
* 1 OCN - Due to the possibility of Freezing precipitation over a large portion of the ERCOT region,
* 2 Advisories – Due to delaying DAM posting from system issues.
* 2 Advisories – Due to extreme cold weather systems approaching ERCOT.
* 1 Advisory - Due to the possibility of Freezing precipitation over a large portion of the ERCOT region.
* 2 Advisories – Due to Geomagnetic disturbances on ERCOT.
* There were 60 HRUC commitments.
* 2 Watches – Due to extreme cold weather systems impacting ERCOT.
* 2 Watches – Due to Increasing risk of freezing precipitation of a large area of the ERCOT region.
* 1 Emergency Notice – Due to Transmission emergency.
* The following GTCs saw congestion in January:

|  |  |
| --- | --- |
| GTC | Days Congestion |
| Nelson Sharpe to Rio Hondo | 22 |
| Hamilton | 21 |
| Panhandle GTC | 20 |
| Valley Export | 16 |
| West Texas Export | 15 |
| South Texas Export (E\_PASP) | 14 |
| South Texas Export (E\_PATA) | 14 |
| Zapata Starr | 13 |
| North Edinburg to Lobo | 11 |
| Culberson | 6 |
| Wharton County | 1 |
| South Texas Import (I\_KALO) | 1 |

# Frequency Control

## Frequency Events

The ERCOT Interconnection experienced 1 frequency events, which resulted from unit tripping. The duration of this events was 3 minutes and 57 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)** |
| 1/17/2025 12:56:51 | 0.083 | 59.933 | 00:03:57 |  0.82 | 10%  | 686 |  53,380  | 59% |  202,723  |



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

## ERCOT Contingency Reserve Events

There were no 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** |
| 1/15/2025 7:06 | 1/15/2025 8:11 | 1:04:48 | 965.7 | Release due to SCED UnderGen |

## Responsive Reserve Events

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 Events

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 no DRUC commitments.

There were 60 HRUC commitments.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Resource Location | # of Resources | Operating Day | Total # of Hours Committed |  Total MWhs  | Reason for Commitment |
|  NORTH\_CENTRAL  | 1 | January 1, 2025 | 4 |  2,092.0  |  Capacity  |
|  EAST, NORTH\_CENTRAL, SOUTHERN  | 4 | January 7, 2025 | 18 |  3,566.0  |  E\_PASP  |
|  NORTH\_CENTRAL  | 1 | January 12, 2025 | 7 |  1,588.3  |  E\_PASP,  |
|  COAST, EAST, FAR\_WEST, NORTH\_CENTRAL, SOUTH\_CENTRAL, SOUTHERN  | 15 | January 13, 2025 | 70 |  24,418.0  |  Capacity, DNAVOUT5, EPASP, Min Run Time  |
| Far West | 1 | January 14,2025 |  |  | E\_PATA |
|  EAST, NORTH\_CENTRAL, SOUTH\_CENTRAL WEST | 10 | January 15, 2025 | 30 |  7,073.0  |  DNAVOUT5, E\_PASP  |
|  COAST, NORTH\_CENTRAL, SOUTH\_CENTRAL  | 9 | January 16, 2025 | 45 |  14,521.5  |  DNAVOUT5, E\_PASP, MGSES\_MR1H, RUC - System Capacity, Ruc commit for E\_PASP, Ruc commit for VALEXP, VALEXP  |
|  NORTH\_CENTRAL  | 1 | January 20, 2025 | 16 |  535.0  |  Capacity  |
|  NORTH, NORTH\_CENTRAL  | 3 | January 21, 2025 | 55 |  6,473.0  |  Capacity, E\_PATA  |
|  NORTH\_CENTRAL  | 2 | January 22, 2025 | 24 |  1,548.0  |  Capacity  |
|  NORTH\_CENTRAL  | 6 | January 23, 2025 | 18 |  5,513.9  |  Capacity, RUC - System Capacity, Valley Export  |
|  NORTH\_CENTRAL, SOUTH\_CENTRAL  | 5 | January 24, 2025 | 45 |  15,489.0  |  Capacity  |
|  SOUTHERN  | 2 | January 25, 2025 | 28 |  7,077.5  |  E\_PASP, RUC Commit for Capactiy, RUC Commit for Congestion  |

# 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 January 2025 was 70.5% on 1/31/2025 interval ending 09:40 and minimum IRR penetration for the month was 1.7% on 1/28/2025 interval ending 05:10.



During the hour of peak load for the month, hourly integrated wind generation was 21,242 MW and solar generation was 618 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 January 2025 were 1,960, 3,454 MW, 4,997 MW, 9,438 MW, and 17,697 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** |
| Jan-15 | 1,025 MW | 1,609 MW | 2,150 MW | 3,737 MW | 6,496 MW |
| Jan-16 | 950 MW | 1,547 MW | 2,076 MW | 3,736 MW | 6,213 MW |
| Jan-17 | 959 MW | 1,680 MW | 2,160 MW | 3,511 MW | 6,181 MW |
| Jan-18 | 1,091 MW | 1,824 MW | 2,497 MW | 3,901 MW | 6,824 MW |
| Jan-19 | 1,087 MW | 1,718 MW | 2,308 MW | 4,033 MW | 7,786 MW |
| Jan-20 | 1,009 MW | 1,610 MW | 2,124 MW | 3,700 MW | 6,100 MW |
| Jan-21 | 966 MW | 1,744 MW | 2,359 MW | 4,458 MW | 7,842 MW |
| Jan-22 | 1,049 MW | 1,879 MW | 2,834 MW | 5,455 MW | 10,333 MW |
| Jan-23 | 1,296 MW | 2,506 MW | 3,431 MW | 6,468 MW | 11,133 MW |
| Jan-24 | 1,722 MW | 3,107 MW | 4,588 MW | 8,901 MW | 16,522 MW |
| Jan-25 | 1,960 MW | 3,454 MW | 4,997 MW | 9,438 MW | 17,697 MW |
| 1/19/2025 | 1/19/2025 | 1/19/2025 | 1/19/2025 | 1/19/2025 |
| (IE 17:02) | (IE 17:05) | (IE 17:11) | (IE 17:17) | (IE 17:32) |
| All Months in 2015-2025 | 1,960 MW | 3,454 MW | 4,997 MW | 9,438 MW | 17,697 MW |
| 1/19/2025 | 1/19/2025 | 1/19/2025 | 1/19/2025 | 1/19/2025 |
| (IE 17:02) | (IE 17:05) | (IE 17:11) | (IE 17:17) | (IE 17:32) |

# 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 may 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** |
| BASE CASE | WESTEX | Basecase | WESTEX GTC | 11 | $13,544,494.38 |   |  |
| SBAKCED5 | HARGRO\_TWINBU1\_1 | BAKERSFIELD SWITCHYARD to CEDAR CANYON LIN 1 | Hargrove - Twin Buttes 138kV | 19 | $13,241,251.89 |   |  |
| SCOMKEN8 | 115T123\_1 | KENDALL to COMFORT LIN 1 | Kerrville Stadium - Kendall 138kV | 4 | $8,847,003.51 |   |  |
| DCONLNG5 | 14040\_\_A | CONSW-MGSES\_and\_CONSW-LNGSW\_345kV\_DBLCKT | Polecat Creek Switch - Dewey Lake Tap 138kV | 12 | $5,837,141.11 |   |  |
| SCIBMAR8 | 705T705\_1 | CIBOLO to MARION LIN 1 | Cibolo - Marion 138kV | 3 | $5,635,107.10 |   |  |
| DFOWSMG5 | CATARI\_PILONC1\_1 | FOWLRTON TO SAN MIGUEL DOUBLE CIRCUIT CONTINGENCY | Catarina - Piloncillo 138kV | 9 | $5,407,698.75 |   |  |
| SCEDHI\_5 | HARGRO\_TWINBU1\_1 | CEDAR CANYON to HIGH LONESOME LIN 1 | Hargrove - Twin Buttes 138kV | 10 | $3,603,596.86 |   |  |
| DMGSBTR5 | 6036\_\_A | MGSES TO CCRSW 345 AND BTRCK TO MGSES 345 DBLCKT | Tonkawa Switch - Morgan Creek Ses 345kV | 17 | $3,117,590.37 |   |  |
| SROBLON9 | CALALS\_LON\_HI1\_1 | LON HILL to CALALLEN SUB LIN 1 | Calallen Sub - Lon Hill 69kV | 3 | $2,694,267.96 |   |  |
| SSANFER8 | CORONA\_AT4 | FERGUSON to FERGUSON LIN 1 | Coronado 138kV | 5 | $2,520,419.98 |   |  |
| DCONLNG5 | 6095\_\_D | CONSW-MGSES\_and\_CONSW-LNGSW\_345kV\_DBLCKT | Lamesa - Jim Payne Poi 138kV | 11 | $2,505,869.25 |   |  |
| XFOW58 | LARDVN\_LASCRU1\_1 | FOWLERTON TRX FOWLRTON\_AUTO1 345/138 | Laredo Vft North - Las Cruces 138kV | 6 | $2,319,756.45 |   |  |
| MSGTSCH5 | HARGRO\_TWINBU1\_1 | SINGLE TREE - SCHNEEMAN DRAW & SINGLE TREE- SCHNEEMAN DRAW 2 | Hargrove - Twin Buttes 138kV | 5 | $1,998,525.42 |   |  |
| BASE CASE | PNHNDL | Basecase | PNHNDL GTC | 13 | $1,966,859.38 |   |  |
| SSGVTRC5 | 175\_\_A | Tri Corner to SEAGOVILLE SWITCH LIN \_B | Forney Switch - Tri Corner 345kV | 3 | $1,820,298.13 |   |  |
| DBIGKEN5 | TREADW\_YELWJC1\_1 | Bighil-Kendal 345kV | Yellow Jacket - Treadwell 138kV | 8 | $1,765,902.82 |   |  |
| SBWDDBM5 | LPLMK\_LPLNE\_1 | BLACKWATER DRAW SWITCH to DOUBLE MOUNTAIN SWITCH LIN 1 | Mackenzie Substation - Northeast Substation 115kV | 3 | $1,745,142.85 |   |  |
| SBAKCED5 | 6056\_\_A | BAKERSFIELD SWITCHYARD to CEDAR CANYON LIN 1 | Longshore Switch - Consavvy Switch 345kV | 6 | $1,634,686.01 | Longshore – Consavvy 345 kV Double-Circuit Line Rebuild (23RPG029, MOD 81268) |  |
| BASE CASE | VALEXP | Basecase | VALEXP GTC | 26 | $1,403,736.86 | The Lower Rio Grande Valley (LRGV) System Enhancement Project (21RPG017) will improve but not eliminate the need for this GTC. |  |
| XFOW58 | CATARI\_PILONC1\_1 | FOWLERTON TRX FOWLRTON\_AUTO1 345/138 | Catarina - Piloncillo 138kV | 8 | $1,365,993.08 |   |  |
| BASE CASE | NE\_LOB | Basecase | NE\_LOB GTC | 15 | $1,324,458.16 | The Lower Rio Grande Valley (LRGV) System Enhancement Project (21RPG017) will improve the NorthEd\_LoboGTC to support up to 80% of total wind and solar generation capacity in the LRGV area. |  |
| DMGSBIT5 | 6036\_\_A | CCRSW TO SWESW 345 AND BTRCK TO MGSES 345 DBLCKT | Tonkawa Switch - Morgan Creek Ses 345kV | 6 | $1,252,305.30 |   |  |
| DBIGKEN5 | HAMILT\_MAXWEL1\_1 | Bighil-Kendal 345kV | Hamilton Road - Maxwell 138kV | 11 | $1,221,869.07 | Hamilton Road to Maxwell: Rebuild 138 kV Line (61396) |  |
| DBIGKEN5 | MADDUX\_TREADW1\_1 | Bighil-Kendal 345kV | Maddux - Treadwell 138kV | 3 | $1,198,085.09 |   |  |
| SILLFTL8 | CARVER\_TINSLE1\_1 | FORT LANCASTER to FORT LANCASTER LIN 1 | Carver - Tinsley Tap 138kV | 4 | $929,162.72 | AEP\_TCC\_RebuildCarver-Maxwell (52070) |  |
| MFOWLOB5 | CATARI\_PILONC1\_1 | manual FOWL RTON to LOBO 345 KV | Catarina - Piloncillo 138kV | 9 | $919,451.90 |   |  |
| SREVDIL8 | CATARI\_PILONC1\_1 | REVEILLE to COTULLA LIN 1 | Catarina - Piloncillo 138kV | 5 | $804,849.19 |   |  |
| SNOECED5 | HARGRO\_TWINBU1\_1 | CEDAR CANYON to NOELKE LIN 1 | Hargrove - Twin Buttes 138kV | 4 | $742,968.58 |   |  |
| MNEDPOM5 | FREER\_LOBO1\_1 | Double Manual NORTH EDINBURG TO POMELO LIN 1&2 345 kV | Lobo - Freer 69kV | 7 | $711,213.41 |   |  |
| DHUGWR\_8 | LANCTY\_LAN\_CT1\_1 | TWR (138) DYN-WR60 & HUG-WR60 | Lane City Pump - Lane City 138kV | 3 | $699,924.25 |   |  |
| SBWDDBM5 | LPLNW\_LPLMD\_1 | BLACKWATER DRAW SWITCH to DOUBLE MOUNTAIN SWITCH LIN 1 | Northwest Substation - Mcdonald Substation 115kV | 4 | $680,677.03 |   |  |
| SILLFTL8 | HAMILT\_MAXWEL1\_1 | FORT LANCASTER to FORT LANCASTER LIN 1 | Hamilton Road - Maxwell 138kV | 4 | $555,479.80 | Hamilton Road to Maxwell: Rebuild 138 kV Line (61396) |  |
| XBAL89 | CONCHO\_VRBS1\_1 | BALLINGER TRX FMR1 138/69 | San Angelo Concho - Veribest 69kV | 8 | $538,642.65 | AEP\_TNC\_Ballinger-ConchoRebuild (55421) |  |
| MHARNED5 | BURNS\_RIOHONDO\_1 | Manual dbl ckt for NEDIN-BONILLA 345kV & RIOH-PRIM138kV | Burns Sub - Rio Hondo 138kV | 8 | $499,246.31 | STEC\_71930\_RioHondo\_Burns\_Upgrade (71930), STEC\_71926\_Burns\_Heidelberg\_Upgrade (71926), STEC\_71928\_Heidelberg\_AEPWeslaco\_Upgrade (71928) |  |
| DBIGSCH5 | BAKRFLD\_CEDCAN\_1 | Big Hill - Schneeman Draw & Big Hill - Schneeman Draw 2 | Cedar Canyon - Bakersfield 345kV | 5 | $496,463.20 |   |  |
| DNOECED5 | HARGRO\_TWINBU1\_1 | NOELKE - CEDAR CANYON & NOELKE- CEDAR CANYON 2 | Hargrove - Twin Buttes 138kV | 4 | $427,866.54 |   |  |
| SCMNCPS5 | 651\_\_B | COMANCHE SWITCH (Oncor) to COMANCHE PEAK SES LIN \_A | Comanche Tap - Comanche Switch (Oncor) 138kV | 5 | $379,452.68 |   |  |
| SBISMI5 | BI\_WAP50\_A | SMITHERS to BELLAIRE LIN A | Bellaire - Wa Parish 345kV | 7 | $362,237.96 |   |  |
| DBIGKEN5 | GANSO\_MAVERI1\_1 | Bighil-Kendal 345kV | Ganso - Maverick 138kV | 3 | $346,818.38 |   |  |
| SMADSAP8 | MADDUX\_SAPOWE2\_1 | MADDUX to SAN ANGELO POWER STATION LIN 1 | Maddux - San Angelo Power Station 138kV | 4 | $300,054.82 |   |  |
| DCONLNG5 | 6471\_\_C | CONSW-MGSES\_and\_CONSW-LNGSW\_345kV\_DBLCKT | Morgan Creek Ses - Navigation Sub 138kV | 4 | $289,442.38 |   |  |
| MNOESGT5 | HARGRO\_TWINBU1\_1 | Manual NOELKE - SINGLE TREE & NOELKE - SINGLE TREE 2 | Hargrove - Twin Buttes 138kV | 6 | $283,129.71 |   |  |
| SBAKCED5 | CEDRHI\_SILT1\_1 | BAKERSFIELD SWITCHYARD to CEDAR CANYON LIN 1 | Cedar Hills - Silver Tap 69kV | 4 | $254,763.77 |   |  |
| SOXYIN28 | I\_DUPP\_I\_DUPS1\_1 | INGLESIDE COGEN SWITCH to OXYCHEM INGLESIDE LIN 1 | Dupont Pp1 - Ingleside - Dupont Switch - Ingleside 138kV | 7 | $238,896.22 |   |  |
| SNWEWES8 | BURNS\_RIOHONDO\_1 | WESLACO SWITCH to NORTH MERCEDES LIN 1 | Burns Sub - Rio Hondo 138kV | 3 | $236,059.21 | STEC\_71930\_RioHondo\_Burns\_Upgrade (71930), STEC\_71926\_Burns\_Heidelberg\_Upgrade (71926), STEC\_71928\_Heidelberg\_AEPWeslaco\_Upgrade (71928) |  |
| DSWECCR5 | 6036\_\_A | SWESW TO BTRCK AND SWESW TO CCRSW 345 DBLCKT | Tonkawa Switch - Morgan Creek Ses 345kV | 3 | $231,962.85 |   |  |
| SFREGIL8 | FREDER\_AT2 | FREDERICKSBURG to FREDERICKSBURG LIN 1 | Fredericksburg 138kV | 5 | $229,003.78 |   |  |
| SPEBTRU8 | 940\_\_A | GAMMA to GAMMA LIN \_D | Ennis West Switch - Templeton 138kV | 3 | $215,739.84 |   |  |
| MFOWLOB5 | LARDVN\_LASCRU1\_1 | manual FOWL RTON to LOBO 345 KV | Laredo Vft North - Las Cruces 138kV | 3 | $204,398.17 |   |  |
| SKLELOY8 | LOYOLA\_69\_1 | KLEBERG AEP to KLEBERG AEP LIN 1 | Loyola Sub 138kV | 7 | $177,420.45 | STEC\_76816\_upgradeLoyolaAuto (76816) |  |
| SN\_SLON5 | N\_SHARPE\_XF1 | LON HILL to NELSON SHARPE LIN 1 | Nelson Sharpe 345kV | 7 | $161,683.28 |   |  |
| MNEDPM25 | DEL\_MA\_LAREDO1\_1 | Manual NORTH EDINBURG TO POMELO LIN 2 345 kV | Del Mar - Laredo Plant 138kV | 4 | $156,614.13 | AEP\_RebuildLaredo-DelMar (45511) |  |
| DELMSAN5 | BEEVIL\_NORMAN1\_1 | Elmcreek-Sanmigl 345kV | #N/A | 3 | $156,403.68 |   |  |
| SBRAPIN8 | HAMILT\_MAVERI1\_1 | BRACKETTVILLE to BRACKETTVILLE LIN 1 | Hamilton Road - Maverick 138kV | 3 | $151,214.95 | Ganso to Hamilton Road: Rebuild 138 kV line (22RPG044, MOD 55626) |  |
| XALM689 | ALMC\_T2 | ALAMITO CREEK TRX 69T1 138/69 | Alamito Creek 138kV | 4 | $143,609.06 |   |  |
| SN\_SAJO5 | LASPUL\_RAYMND1\_1 | AJO to AJO LIN 1 | Las Pulgas - Raymondville 2 138kV | 3 | $142,319.30 |   |  |
| DCONLNG5 | 15060\_\_B | CONSW-MGSES\_and\_CONSW-LNGSW\_345kV\_DBLCKT | Koch Tap - Vealmoor 138kV | 5 | $138,765.45 |   |  |
| SBENS\_M8 | BENTS\_FRTER\_1C\_1 | SOUTH MCALLEN to BENTSEN LIN 1 | Railroad - South Mission 138kV | 6 | $131,759.18 |   |  |
| BASE CASE | ZAPSTR | Basecase | ZAPSTR GTC | 10 | $130,024.48 |   |  |
| BASE CASE | NELRIO | Basecase | NELRIO GTC | 6 | $99,432.89 | The Lower Rio Grande Valley (LRGV) System Enhancement Project (21RPG017) will cause there to be no stability constraint for NelsonSharpe\_RioHondoGTC under normal conditions. |  |
| SDAFAUS8 | CKT\_1027\_1 | AUSTROP to DAFFIN GIN LIN 1 | Decker Power Plant - Aen Dunlap 138kV | 3 | $95,289.71 | AEN\_24TPIT67091\_PMCR\_CKT1034\_DUNLAP\_DECKER\_138 KV (67091) |  |
| DFRIILL8 | HAMILT\_MAXWEL1\_1 | FT LANCASTER - FRIEND RANCH 138 & FT LANCASTER - ILLINOIS 138 | Hamilton Road - Maxwell 138kV | 3 | $80,444.86 | Hamilton Road to Maxwell: Rebuild 138 kV Line (61396) |  |
| SMV\_RI28 | SCARBI\_STILLM1\_1 | EAST RIO HONDO SUB to EAST RIO HONDO SUB LIN 1 | South Carbide - Stillman 138kV | 5 | $76,157.14 |   |  |
| SFORYEL8 | HEXT\_YELWJC1\_1 | FORT MASON to FORT MASON LIN 1 | Yellow Jacket - Hext Lcra 69kV | 4 | $72,941.12 |   |  |
| SCRMSAR8 | CONCHO\_VRBS1\_1 | SAN ANGELO RED CREEK to Weiss LIN 1 | San Angelo Concho - Veribest 69kV | 4 | $69,109.94 |   |  |
| SFORYEL8 | HEXT\_MASONS1\_1 | FORT MASON to FORT MASON LIN 1 | Mason Switching Station - Hext Lcra 69kV | 3 | $68,201.86 |   |  |
| SFORYEL8 | HEXT\_MASONS1\_1 | FORT MASON to FORT MASON LIN 1 | Mason Switching Station - Hext Lcra 69kV | 3 | $61,594.00 |   |  |
| MNEDPOM5 | DEL\_MA\_LAREDO1\_1 | Double Manual NORTH EDINBURG TO POMELO LIN 1&2 345 kV | Del Mar - Laredo Plant 138kV | 4 | $50,926.50 |   |  |
| BASE CASE | TRDWEL | Basecase | TRDWEL GTC | 4 | $49,220.64 |   |  |
| SREVDIL8 | ASHERT\_CATARI1\_1 | REVEILLE to COTULLA LIN 1 | Asherton - Catarina 138kV | 3 | $40,872.15 |   |  |
| SVICCO28 | COLETO\_VICTOR2\_1 | COLETO CREEK to VICTORIA LIN 1 | Coleto Creek - Victoria 138kV | 3 | $36,848.62 |   |  |
| SOAKNIC8 | NICOLE\_TENNYS1\_1 | NICOLE to NICOLE LIN 1 | Tennyson - Nicole 138kV | 4 | $34,925.48 |   |  |
| DMTSCOS5 | 6437\_\_F | DMTSW TO SCOSW 345 DBLCKT | Knapp - Scurry Chevron 138kV | 5 | $27,265.45 |   |  |
| SMV\_RI28 | CP\_MVCNT\_1 | EAST RIO HONDO SUB to EAST RIO HONDO SUB LIN 1 | Coffeeport - Central Avenue Sub 138kV | 3 | $6,311.81 |   |  |
| SMADSAP8 | MADDUX\_SAPOWE2\_1 | MADDUX to SAN ANGELO POWER STATION LIN 1 | Maddux - San Angelo Power Station 138kV | 4 | $302.68 |   |  |
| BASE CASE | RANDAD\_ZAPATA1\_1 | Basecase | Randado Aep - Zapata 138kV | 3 | $298.20 |   |  |
| SFORYEL8 | HEXT\_YELWJC1\_1 | FORT MASON to FORT MASON LIN 1 | Yellow Jacket - Hext Lcra 69kV | 4 | $45.61 |   |  |

## Generic Transmission Constraint Congestion

|  |  |
| --- | --- |
| GTC | Days Congestion |
| Nelson Sharpe to Rio Hondo | 22 |
| Hamilton | 21 |
| Panhandle GTC | 20 |
| Valley Export | 16 |
| West Texas Export | 15 |
| South Texas Export (E\_PASP) | 14 |
| South Texas Export (E\_PATA) | 14 |
| Zapata Starr | 13 |
| North Edinburg to Lobo | 11 |
| Culberson | 6 |
| Wharton County | 1 |
| South Texas Import (I\_KALO) | 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)** |
| Basecase | WESTEX GTC | 23737 | $121,142,739.60 |
| MGSES TO CCRSW 345 AND BTRCK TO MGSES 345 DBLCKT | Tonkawa Switch - Morgan Creek Ses 345kV | 7456 | $87,576,954.87 |
| MGSES-LNGSW\_and\_MGSES-CONSW\_345\_DBLCKT | Morgan Creek Ses - Navigation Sub 138kV | 10586 | $79,638,965.49 |
| WLFSW-MOSSW 345&WLFSW-ODEHV 345\_\_\_\_TRPLCKT-1of3 | Odessa Ehv Switch - Yarbrough Sub 138kV | 19457 | $77,794,892.32 |
| SALSW - HUTTO 345KV | Bell County - Salado Switch 138kV | 9359 | $47,930,165.63 |
| BAKERSFIELD SWITCHYARD to CEDAR CANYON LIN 1 | Hargrove - Twin Buttes 138kV | 6610 | $40,894,479.19 |
| Basecase | PNHNDL GTC | 28146 | $39,897,487.88 |
| Basecase | NE\_LOB GTC | 26081 | $33,854,450.11 |
| Manual dbl ckt for NEDIN-BONILLA 345kV & RIOH-PRIM138kV | Burns Sub - Rio Hondo 138kV | 14719 | $32,004,313.71 |
| CONSW-MGSES\_and\_CONSW-LNGSW\_345kV\_DBLCKT | Morgan Creek Ses - Navigation Sub 138kV | 9919 | $29,958,920.99 |
| BLACKWATER DRAW SWITCH to DOUBLE MOUNTAIN SWITCH LIN 1 | Northwest Substation - Mcdonald Substation 115kV | 4834 | $26,523,546.74 |
| Bighil-Kendal 345kV | Yellow Jacket - Fort Mason 138kV | 4295 | $23,829,562.99 |
| SALSW TO KNBSW 345 AND TMPSW TO BELCNTY 138 DBLCKT | Temple Switch - Temple Southeast 138kV | 1765 | $23,816,058.37 |
| CONSW-MGSES\_and\_CONSW-LNGSW\_345kV\_DBLCKT | Polecat Creek Switch - Wrage Ranch Pod 138kV | 2267 | $22,647,310.76 |
| NAAMAN to NAAMAN LIN 1 | College - Jupiter 138kV | 2485 | $19,241,454.25 |
| BLACKWATER DRAW SWITCH to DOUBLE MOUNTAIN SWITCH LIN 1 | Mackenzie Substation - Northeast Substation 115kV | 6471 | $17,552,825.12 |
| wett\_long\_draw to Volta LIN 1 | Koch Tap - Vealmoor 138kV | 6178 | $17,148,913.61 |
| CONSW-MGSES\_and\_CONSW-LNGSW\_345kV\_DBLCKT | Alkali Lake - Jim Payne Poi 138kV | 6313 | $17,080,681.63 |
| CONSW-MGSES\_and\_CONSW-LNGSW\_345kV\_DBLCKT | Falcon Seaboard - Morgan Creek Ses 345kV | 9151 | $16,904,638.42 |
| AUSTROP to DAFFIN GIN LIN 1 | Decker Power Plant - Aen Dunlap 138kV | 1316 | $16,416,974.49 |

# System Events

## ERCOT Peak Load

The unofficial ERCOT peak load for January 2025 was 77,478 MW and occurred on 01/22/2025, during hour ending 08:00. Instantaneous peak was 77,758 MW. Actual peak for the same month last year was 78,349 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

There were 0 events of DC curtailment in January 2025.

## TRE/DOE Reportable Events

AEP Submitted a DOE 417 For 01/25/2025 – Unplanned evacuation from its Bulk Electric System Control Center.

## New/Updated Constraint Management Plans

MP\_2022\_20: REMOVE, MP\_2024\_06 REV2: MOD, MP\_2023\_12 REV3 : MOD, MP\_2025\_01 REV0 - REV6 ADD & MOD, MP\_2025\_02 REV0 - REV2: ADD & MOD, MP\_2025\_03 REV0 - REV1 ADD & MOD.

## New/Modified/Removed RAS

None.

## New Procedures/Forms/Operating Bulletins

|  |  |  |
| --- | --- | --- |
| **Date** | **Subject** | **Bulletin No.** |
| 1/30/2025 | Real Time Desk V1 Rev 102 | 1172 |
| 1/30/2025 | Reliability Unit Commitment V1 Rev 102 | 1173 |
| 1/30/2025 | Scripts V1 Rev 63 | 1174 |
| 1/30/2025 | Shift Supervisor Desk V1 Rev 100 | 1175 |

# Emergency Conditions

## OCNs

|  |  |
| --- | --- |
| **Date and Time** | **Message** |
| 1/3/2025 9:30 CST | ERCOT is issuing a OCN for the extreme cold weather system approaching the ERCOT Region with temperatures and windchills expected to be freezing from Monday, January 06, 2025 through Friday, January 10, 2025. |
| 1/6/2025 11:31 CST | ERCOT is issuing an OCN for Wednesday, January 08, 2025 through Friday, January 10, 2025 due to the possibility of Freezing precipitation over a large portion of the ERCOT Region that is roughly North of a line of IH10. If you experience any issues as a direct result of the weather event, notify ERCOT. QSEs representing FFSSRs begin preparation for potential FFSS deployment. |
| 1/13/2025 13:00 CST | ERCOT is issuing an OCN for the predicted extreme cold weather event impacting the ERCOT Region starting noon, Sunday, January 19, 2025 through noon Wednesday, January 22, 2025. |

## Advisories

|  |  |
| --- | --- |
| **Date and Time** | **Message** |
| 1/1/2025 08:09 CST | Advisory issued for a geomagnetic disturbance of [K-7] until 1/1/25 16:00. |
| 1/1/2025 12:16 CST | Advisory issued for a geomagnetic disturbance of [K-8] until 1/1/25 23:59. |
| 1/4/2025 11:30 CST | ERCOT is issuing a Advisory for the extreme cold weather system approaching the ERCOT Region with temperatures and windchills expected to be freezing from Monday, January 06, 2025 through Friday, January 10, 2025. |
| 1/7/2025 10:00 CST | ERCOT is issuing an Advisory for Wednesday, January 08, 2025 through Friday, January 10, 2025 due to the possibility of Freezing precipitation over a large portion of the ERCOT Region that is roughly North of a line of IH-10. If you experience any issues as a direct result of the weather event, notify ERCOT. QSEs representing FFSSRs begin preparation for potential FFSS deployment. |
| 1/15/2025 11:00 CST | ERCOT is issuing an Advisory for the extreme cold weather system approaching Sunday, January 19, 2025 through noon Thursday, January 23, 2025 with temperatures anticipated to remain below freezing. |
| 1/22/2025 13:24 CST | DAM Notice: ERCOT has postponed the deadline for the posting of the DAM solution for Operating Day 01/23/2025 due to identified system issue that has been resolved. |
| 1/29/2025 13:23 | DAM Notice: ERCOT has postponed the deadline for the posting of the DAM solution for Operating Day 01/30/2025 due to long running solution. |

## Watches

4 Watches – Due to extreme cold weather systems impacting ERCOT.

|  |  |
| --- | --- |
| **Date and Time** | **Message** |
| 1/5/2025 13:00 | ERCOT is issuing a Watch for the extreme cold weather system approaching the ERCOT Region with temperatures and windchills expected to be freezing from Monday, January 06, 2025 through Friday, January 10, 2025. |
| 1/8/2025 17:00 | ERCOT is issuing a Watch for Thursday, January 09, 2025 and Friday, January 10, 2025 due to the possibility of Freezing precipitation over a large portion of the ERCOT Region. If you experience any issues as a direct result of the weather event, notify ERCOT. QSEs representing FFSSRs begin preparation for potential FFSS deployment. |
| 1/16/2025 13:00 | ERCOT is issuing a Watch for the extreme cold weather system approaching Sunday, January 19, 2025 through noon Thursday, January 23, 2025 with temperatures anticipated to remain below freezing. |
| 1/19/2025 12:00 | ERCOT is issuing a [Watch] for Monday afternoon, January 20, 2025, through Wednesday morning, January 22, 2025, due to the increasing risk of freezing precipitation generally over a large area. Generally, East of Interstate 35, and South of Interstate 20 corridor within the ERCOT Region. If you experience any issues as a direct result of the weather event, notify ERCOT. |

## Emergency Notices

|  |  |
| --- | --- |
| **Date** | **Note** |
| 01/21/2025 04:48 CST | At 05:00, ERCOT is issuing a Transmission Emergency in South and Southeast Texas for loss of transmission from freezing precipitation. |

# 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)



|  |  |
| --- | --- |
| **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) | 1 |
| CITY OF AUSTIN DBA AUSTIN ENERGY (TDSP) | 0 |
| CITY OF COLLEGE STATION (TDSP) | 0 |
| CITY OF GARLAND (TDSP) | 0 |
| CPS ENERGY (TDSP) | 0 |
| DENTON MUNICIPAL ELECTRIC (TDSP) | 0 |
| ELECTRIC TRANSMISSION TEXAS LLC (TDSP) | 0 |
| ERCOT | 0 |
| LCRA TRANSMISSION SERVICES CORPORATION (TDSP) | 3 |
| LONE STAR TRANSMISSION LLC (TSP) | 0 |
| ONCOR ELECTRIC DELIVERY COMPANY LLC (TDSP) | 1 |
| 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) | 0 |
| TEXAS MUNICIPAL POWER AGENCY (TDSP) | 0 |
| TEXAS-NEW MEXICO POWER CO (TDSP) | 0 |
| 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 | January | DBAKCED5 | HARGRO\_TWINBU1\_1 | TWINBU | HARGROVE | 27 |
| 2025 | January | DBIGKEN5 | FORTMA\_YELWJC1\_1 | FORTMA | YELWJCKT | 26 |
| 2025 | January | DBIGKEN5 | FORTMA\_YELWJC1\_1 | YELWJCKT | FORTMA | 26 |
| 2025 | January | SW\_LVLT5 | 15060\_\_B | VEALMOOR | KOCHTAP | 26 |
| 2025 | January | BASE CASE | NELRIO | n/a | n/a | 22 |
| 2025 | January | BASE CASE | HMLTN | n/a | n/a | 21 |
| 2025 | January | MLOBFOR5 | CATARI\_PILONC1\_1 | CATARINA | PILONCIL | 20 |
| 2025 | January | BASE CASE | PNHNDL | n/a | n/a | 20 |
| 2025 | January | MMOSME35 | 6520\_\_E | ODEHV | YARBR | 20 |
| 2025 | January | MLOBFOR5 | CATARI\_PILONC1\_1 | PILONCIL | CATARINA | 20 |
| 2025 | January | DBAKCED5 | 6056\_\_A | LNGSW | CONSW | 19 |
| 2025 | January | DNOECED5 | HARGRO\_TWINBU1\_1 | TWINBU | HARGROVE | 19 |
| 2025 | January | MHARNED5 | HAINE\_\_LA\_PAL1\_1 | LA\_PALMA | HAINE\_DR | 17 |
| 2025 | January | SWALWLN8 | 568\_\_A | RYSSW | NEVADA | 17 |
| 2025 | January | BASE CASE | VALEXP | n/a | n/a | 16 |
| 2025 | January | BASE CASE | WESTEX | n/a | n/a | 15 |
| 2025 | January | SBWDDBM5 | LPLMK\_LPLNE\_1 | LPLMK | LPLNE | 15 |
| 2025 | January | SKLELOY8 | LOYOLA\_69\_1 | LOYOLA | LOYOLA | 15 |
| 2025 | January | BASE CASE | E\_PATA | n/a | n/a | 14 |
| 2025 | January | BASE CASE | E\_PASP | n/a | n/a | 14 |
| 2025 | January | SBRAHAM8 | GANSO\_MAVERI1\_1 | GANSO | MAVERICK | 14 |
| 2025 | January | MHARNED5 | LASPUL\_RAYMND1\_1 | LASPULGA | RAYMND2 | 14 |
| 2025 | January | MLOBFOR5 | ASHERT\_CATARI1\_1 | CATARINA | ASHERTON | 14 |
| 2025 | January | MLOBFOR5 | LARDVN\_LASCRU1\_1 | LARDVNTH | LASCRUCE | 14 |
| 2025 | January | MLOBFOR5 | ASHERT\_CATARI1\_1 | ASHERTON | CATARINA | 14 |
| 2025 | January | SBRAPIN8 | HAMILT\_MAVERI1\_1 | MAVERICK | HAMILTON | 13 |
| 2025 | January | DBAKCED5 | LAKENA\_SAMATH1\_1 | LAKENASW | SAMATHIS | 13 |
| 2025 | January | SBRAPIN8 | GANSO\_MAVERI1\_1 | MAVERICK | GANSO | 13 |
| 2025 | January | SCMNCPS5 | 651\_\_B | CMNSW | CMNTP | 13 |
| 2025 | January | DHUGWR\_8 | ARROZ\_EL\_CAM1\_1 | ARROZ | EL\_CAMPO | 13 |
| 2025 | January | DNOESGT5 | HARGRO\_TWINBU1\_1 | TWINBU | HARGROVE | 13 |
| 2025 | January | SBRAPIN8 | HAMILT\_MAVERI1\_1 | HAMILTON | MAVERICK | 13 |
| 2025 | January | BASE CASE | ZAPSTR | n/a | n/a | 13 |
| 2025 | January | SBRAPIN8 | GANSO\_MAVERI1\_1 | GANSO | MAVERICK | 13 |
| 2025 | January | DBIGSCH5 | HARGRO\_TWINBU1\_1 | TWINBU | HARGROVE | 12 |
| 2025 | January | DCONLNG5 | 6046\_\_A | MGSES | FLCNS | 11 |
| 2025 | January | BASE CASE | NE\_LOB | n/a | n/a | 11 |
| 2025 | January | SEBHUG8 | ARROZ\_EL\_CAM1\_1 | ARROZ | EL\_CAMPO | 11 |
| 2025 | January | SVICCO28 | COLETO\_VICTOR2\_1 | COLETO | VICTORIA | 11 |
| 2025 | January | DVICVI89 | COLETO\_VICTOR2\_1 | COLETO | VICTORIA | 10 |
| 2025 | January | MWLFME25 | 6520\_\_E | ODEHV | YARBR | 10 |
| 2025 | January | DBIGKEN5 | TREADW\_YELWJC1\_1 | TREADWEL | YELWJCKT | 10 |
| 2025 | January | DSGTSCH5 | HARGRO\_TWINBU1\_1 | TWINBU | HARGROVE | 9 |
| 2025 | January | SSTAWIC8 | 138\_IH2\_COT\_1 | IH20 | TNCOLIET | 9 |
| 2025 | January | SBRAHAM8 | HAMILT\_MAVERI1\_1 | HAMILTON | MAVERICK | 9 |
| 2025 | January | DNOECED5 | 6056\_\_A | LNGSW | CONSW | 9 |
| 2025 | January | SBRAHAM8 | HAMILT\_MAVERI1\_1 | MAVERICK | HAMILTON | 9 |
| 2025 | January | MANSSTP5 | BLESSING\_1382 | BLESSING | BLESSING | 8 |
| 2025 | January | DBIGKEN5 | HAMILT\_MAXWEL1\_1 | MAXWELL | HAMILTON | 8 |
| 2025 | January | MEXCHC45 | 595\_\_A | BNTSW | DCATR | 8 |
| 2025 | January | SN\_SAJO5 | LASPUL\_RAYMND1\_1 | LASPULGA | RAYMND2 | 8 |
| 2025 | January | DMTSCOS5 | 6437\_\_F | SCRCV | KNAPP | 8 |
| 2025 | January | SESMFRI8 | BIGLAK\_PHBL\_T1\_1 | BIGLAKE | PHBL\_TAP | 8 |
| 2025 | January | BASE CASE | HHGTOM\_1 | HHGT | OMEGA | 8 |
| 2025 | January | MANGSTP5 | BLESSING\_1382 | BLESSING | BLESSING | 7 |
| 2025 | January | SCONMGS5 | 6056\_\_A | LNGSW | CONSW | 7 |
| 2025 | January | DRNKLWS5 | RNKSW\_MR1L | RNKSW | RNKSW | 7 |
| 2025 | January | MLOBFOR5 | BRUNI\_69\_1 | BRUNI | BRUNI | 7 |
| 2025 | January | SLAQLOB8 | BRUNI\_69\_1 | BRUNI | BRUNI | 7 |
| 2025 | January | SES2FRI8 | BIGLAK\_PHBL\_T1\_1 | BIGLAKE | PHBL\_TAP | 7 |
| 2025 | January | SBRAPIN8 | ESCOND\_GANSO1\_1 | GANSO | ESCONDID | 6 |
| 2025 | January | XALM689 | ALMC\_T2 | ALMC | ALMC | 6 |
| 2025 | January | SBRAPIN8 | ESCOND\_GANSO1\_1 | ESCONDID | GANSO | 6 |
| 2025 | January | DYELME89 | HEXT\_YELWJC1\_1 | YELWJCKT | HEXT | 6 |
| 2025 | January | SBRAHAM8 | ESCOND\_GANSO1\_1 | ESCONDID | GANSO | 6 |
| 2025 | January | BASE CASE | CULBSN | n/a | n/a | 6 |
| 2025 | January | SOZNFRI9 | BIGLAK\_PHBL\_T1\_1 | BIGLAKE | PHBL\_TAP | 6 |
| 2025 | January | SWILJA28 | JACKCNTY\_BLSRA\_1 | JACKCNTY | BLSRA | 5 |
| 2025 | January | DSLKSOL5 | 138\_FLT\_FXT\_1 | TNFXTAIL | FLAT\_TOP | 5 |
| 2025 | January | DLWSRNK5 | RNKSW\_MR1L | RNKSW | RNKSW | 5 |
| 2025 | January | SJUNYEL9 | HEXT\_YELWJC1\_1 | YELWJCKT | HEXT | 5 |
| 2025 | January | SCONMGS5 | MGSES\_MR1H | MGSES | MGSES | 5 |
| 2025 | January | DELMSAN5 | COYCTP\_PLEASA1\_1 | COYCTP | PLEASANT | 5 |
| 2025 | January | MEXCHC45 | 583\_\_D | DCRSW | ALISN | 5 |
| 2025 | January | SORNLON8 | EDROY\_SMITH1\_1 | SMITH | EDROY | 4 |
| 2025 | January | SMV\_RI28 | SCARBI\_STILLM1\_1 | SCARBIDE | STILLMAN | 4 |
| 2025 | January | DCONLNG5 | MGSES\_MR1H | MGSES | MGSES | 4 |
| 2025 | January | DBUCRGP5 | 651\_\_B | CMNSW | CMNTP | 4 |
| 2025 | January | DCPSST58 | 651\_\_B | CMNSW | CMNTP | 4 |
| 2025 | January | DRIZACE5 | CENIZO\_TIEMPO1\_1 | TIEMPO | CENIZO | 4 |
| 2025 | January | SRT2WC8 | G138\_15\_1 | WCOLLOCL | ANGLETON | 4 |
| 2025 | January | DRNS\_TB5 | THWZEN98\_A | ZEN | THW | 4 |
| 2025 | January | SSWCLNC5 | 6025\_\_A | MULBERRY | LNCRK | 4 |
| 2025 | January | DDILCOT8 | DILLEYSW\_XF1L | DILLEYSW | DILLEYSW | 4 |
| 2025 | January | DBIGSCH5 | PALOUS\_WOLFCA1\_1 | PALOUSE | WOLFCAMP | 4 |
| 2025 | January | XORN89 | EDROY\_SMITH1\_1 | SMITH | EDROY | 4 |
| 2025 | January | DBIGKEN5 | MADDUX\_TREADW1\_1 | MADDUX | TREADWEL | 4 |
| 2025 | January | SCOLPAW5 | MAGRUD\_VICTOR2\_1 | VICTORIA | MAGRUDER | 4 |
| 2025 | January | DWCSH285 | 583\_\_D | DCRSW | ALISN | 4 |
| 2025 | January | SRRDLCS5 | 235\_\_B | BALSW | JEWET | 4 |
| 2025 | January | SSWCLNC5 | 6025\_\_A | LNCRK | MULBERRY | 4 |
| 2025 | January | SDESRDO8 | TRU\_TRF1 | TRU | TRU | 4 |
| 2025 | January | DODEMOS5 | 6513\_\_A | ODESA | ODNTH | 4 |
| 2025 | January | DKENBA89 | COYCTP\_PLEASA1\_1 | COYCTP | PLEASANT | 4 |
| 2025 | January | DWAP\_OB5 | EU\_SF\_09\_A | SF | EU | 4 |
| 2025 | January | SPEBTRU8 | 940\_\_A | ENWSW | TMPTN | 3 |
| 2025 | January | DSNG\_TB5 | THWZEN98\_A | ZEN | THW | 3 |
| 2025 | January | DELMSAN5 | MAGRUD\_VICTOR2\_1 | VICTORIA | MAGRUDER | 3 |
| 2025 | January | DRAZSA89 | UVALDE\_W\_BATE1\_1 | UVALDE | W\_BATESV | 3 |
| 2025 | January | SSUNMGS8 | 6240\_\_C | SACRC | DPCRK | 3 |
| 2025 | January | SILLFTL8 | CARVER\_TINSLE1\_1 | CARVER | TINSLEY | 3 |
| 2025 | January | DLONOR58 | EDROY\_SMITH1\_1 | SMITH | EDROY | 3 |
| 2025 | January | SWE2GLI8 | MAGRUD\_VICTOR2\_1 | VICTORIA | MAGRUDER | 3 |
| 2025 | January | XVIC89 | MAGRUD\_VICTOR2\_1 | VICTORIA | MAGRUDER | 3 |
| 2025 | January | SMVRLA\_8 | STEWAR\_VERTRE1\_1 | STEWART | VERTREES | 3 |
| 2025 | January | DELMTEX5 | BLESSING\_1382 | BLESSING | BLESSING | 3 |
| 2025 | January | MPASTNE5 | STEWAR\_VERTRE1\_1 | STEWART | VERTREES | 3 |
| 2025 | January | SBLARVS8 | 2270\_\_B | MEXTP | ITALY | 3 |
| 2025 | January | SILLFTL8 | HAMILT\_MAXWEL1\_1 | MAXWELL | HAMILTON | 3 |
| 2025 | January | DMTSCOS5 | 6240\_\_C | SACRC | DPCRK | 3 |
| 2025 | January | DFOWSMG5 | CATARI\_PILONC1\_1 | CATARINA | PILONCIL | 3 |
| 2025 | January | DCENZAP5 | CENIZO\_TIEMPO1\_1 | TIEMPO | CENIZO | 3 |
| 2025 | January | DVICCO89 | COLETO\_VICTOR1\_1 | COLETO | VICTORIA | 3 |
| 2025 | January | SKLEKLE8 | LOYOLA\_69\_1 | LOYOLA | LOYOLA | 3 |
| 2025 | January | SNORKEN8 | MAGRUD\_VICTOR2\_1 | VICTORIA | MAGRUDER | 3 |
| 2025 | January | DCASDEZ8 | P3\_P1TAP\_1 | SKYLINE | P1 | 3 |
| 2025 | January | DSALTM58 | SEA\_AAT1 | SEA | SEA | 3 |
| 2025 | January | DSALHUT5 | 1710\_\_C | BELCNTY | SALSW | 3 |
| 2025 | January | SBCESN35 | 431\_\_A | BCESW | SNDSW | 3 |
| 2025 | January | DLEGOUT5 | 50\_\_A | JEWET | BBSES | 3 |
| 2025 | January | DNAVOUT5 | 50\_\_A | JEWET | BBSES | 3 |
| 2025 | January | XBAN89 | BANDER\_AT3 | BANDER | BANDER | 3 |
| 2025 | January | DCHBJO25 | CBY\_AT3H | CBY | CBY | 3 |
| 2025 | January | MHARNED5 | SCARBI\_STILLM1\_1 | SCARBIDE | STILLMAN | 3 |
| 2025 | January | SHONMOO8 | BIG\_FO\_PLEASA1\_1 | BIG\_FOOT | PLEASANT | 3 |
| 2025 | January | SMADSAP8 | MADDUX\_SAPOWE2\_1 | SAPOWER | MADDUX | 3 |
| 2025 | January | SMADSAP8 | MADDUX\_SAPOWE2\_1 | MADDUX | SAPOWER | 3 |
| 2025 | January | DJACALV8 | 2115\_\_B | TOWER | BNTSW | 2 |
| 2025 | January | DLYTZOR5 | 617T617\_1 | PURGRO | SATTLE | 2 |
| 2025 | January | SES2FRI8 | BISON\_STRS1\_1 | STRS | BISON | 2 |
| 2025 | January | DSTPHLJ5 | CKT\_3124\_1 | STP | HLJ | 2 |
| 2025 | January | SBGLTWI8 | LAKENA\_SAMATH1\_1 | LAKENASW | SAMATHIS | 2 |
| 2025 | January | SGEOHU48 | 353T353\_1 | LEANDE | SEWAJU | 2 |
| 2025 | January | MEXCRNK5 | 595\_\_A | BNTSW | DCATR | 2 |
| 2025 | January | DDILCOT8 | ASHERT\_CATARI1\_1 | ASHERTON | CATARINA | 2 |
| 2025 | January | SCARFRI8 | ATSO\_SONR1\_1 | SONR | ATSO | 2 |
| 2025 | January | DYELME89 | HEXT\_MASONS1\_1 | HEXT | MASONSW | 2 |
| 2025 | January | DBIGSCH5 | LAKENA\_SAMATH1\_1 | LAKENASW | SAMATHIS | 2 |
| 2025 | January | DBAKCED5 | STCO\_STER1\_1 | STER | STCO | 2 |
| 2025 | January | DTPCBEL5 | TMPSW\_MR1H | TMPSW | TMPSW | 2 |
| 2025 | January | UCOLCOL1 | BLESSING\_1382 | BLESSING | BLESSING | 2 |
| 2025 | January | DLONOR58 | EDROY\_MATHIS1\_1 | EDROY | MATHIS | 2 |
| 2025 | January | SMDOPHR5 | G138\_10B\_1 | SEMINOLE | MAGNO\_TN | 2 |
| 2025 | January | SJUNYEL9 | HEXT\_MASONS1\_1 | HEXT | MASONSW | 2 |
| 2025 | January | SRUSBIG8 | LAKENA\_SAMATH1\_1 | LAKENASW | SAMATHIS | 2 |
| 2025 | January | SPAWCAL5 | MAGRUD\_VICTOR2\_1 | VICTORIA | MAGRUDER | 2 |
| 2025 | January | SOBWAP5 | OB\_WAP98\_A | WAP | OB | 2 |
| 2025 | January | MBONNED5 | SCARBI\_STILLM1\_1 | SCARBIDE | STILLMAN | 2 |
| 2025 | January | SWORBRD8 | 138\_WIC\_STG\_1 | WICKETT | STAGHORN | 2 |
| 2025 | January | DCAGCI58 | 255T279\_1 | PIPECR | MEDILA | 2 |
| 2025 | January | MEXCRNK5 | 583\_\_D | DCRSW | ALISN | 2 |
| 2025 | January | DNOESGT5 | 6056\_\_A | LNGSW | CONSW | 2 |
| 2025 | January | SMGIENW8 | 943\_\_B | ENWSW | SHKSW | 2 |
| 2025 | January | SWRDYN8 | ARROZ\_EL\_CAM1\_1 | ARROZ | EL\_CAMPO | 2 |
| 2025 | January | DMCOPHA8 | AZTECA\_HEC1\_1 | HEC | AZTECA | 2 |
| 2025 | January | SBRIJAC8 | BOW\_FMR1 | BOW | BOW | 2 |
| 2025 | January | DSTPREF5 | CKT\_3124\_1 | STP | HLJ | 2 |
| 2025 | January | DNUEGIL8 | MCKENZ\_WESTSI1\_1 | WESTSIDE | MCKENZIE | 2 |
| 2025 | January | DBWN\_AM5 | REDCRE\_WEISS1\_1 | REDCREEK | WEISS | 2 |
| 2025 | January | SSNYCGR8 | SNYDR\_FMR1 | SNYDR | SNYDR | 2 |
| 2025 | January | SFGRTRS5 | 1920\_\_B | TRNDD | ATHNS | 2 |
| 2025 | January | DRAZSA89 | 2585\_1 | DOWNIES | MOORE | 2 |
| 2025 | January | DODEMOS5 | 6500\_\_B | ODEHV | BTHOT | 2 |
| 2025 | January | SPEBTRU8 | 940\_\_B | TMPTN | WXHCH | 2 |
| 2025 | January | XCA2G58 | CAGNON\_MR3H | CAGNON | CAGNON | 2 |
| 2025 | January | XBAL89 | CONCHO\_VRBS1\_1 | CONCHO | VRBS | 2 |
| 2025 | January | DTWIBGL8 | LAKENA\_SAMATH1\_1 | LAKENASW | SAMATHIS | 2 |
| 2025 | January | SKINKLE8 | LOYOLA\_69\_1 | LOYOLA | LOYOLA | 2 |
| 2025 | January | DKENBA89 | MAGRUD\_VICTOR2\_1 | VICTORIA | MAGRUDER | 2 |
| 2025 | January | SH0T18 | P3\_P1TAP\_1 | SKYLINE | P1 | 2 |
| 2025 | January | SCOLPAW5 | RAY\_L\_46\_1 | L\_463S | RAYBURN | 2 |
| 2025 | January | SBLESTP5 | SAR\_FRAN\_1 | FRANKC | SARGNTS | 2 |
| 2025 | January | DWCSH185 | 583\_\_D | DCRSW | ALISN | 2 |
| 2025 | January | DZORHAY5 | 85T329\_1 | BERGHE | DEVIHI | 2 |
| 2025 | January | DFOWSMG5 | ASHERT\_CATARI1\_1 | ASHERTON | CATARINA | 2 |
| 2025 | January | SSPUSLT8 | ASPM\_CONA1\_1 | ASPM | CONA | 2 |
| 2025 | January | SBENS\_M8 | BENTS\_FRTER\_1B\_1 | FRONTERA | S\_MISSIN | 2 |
| 2025 | January | MHARNED5 | BURNS\_RIOHONDO\_1 | RIOHONDO | MV\_BURNS | 2 |
| 2025 | January | DREFSTP5 | CKT\_3124\_1 | STP | HLJ | 2 |
| 2025 | January | DBUCRGP5 | HAMILT\_MAXWEL1\_1 | MAXWELL | HAMILTON | 2 |
| 2025 | January | DTRSRCH5 | MEXIA\_AT1 | MEXIA | MEXIA | 2 |
| 2025 | January | SMV\_PAR8 | RIOHND\_ERIOHND\_1 | MV\_RIOHO | RIOHONDO | 2 |
| 2025 | January | DANACDE5 | 587\_\_A | ARGYL | LWSVH | 2 |
| 2025 | January | DWCSH285 | 595\_\_A | BNTSW | DCATR | 2 |
| 2025 | January | DSGTSCH5 | 6056\_\_A | LNGSW | CONSW | 2 |
| 2025 | January | MDPCTEC8 | 610\_\_B | TMPSW | TMPSE | 2 |
| 2025 | January | STURLYT8 | 8007T8007\_G1 | HICROSS | HICROS | 2 |
| 2025 | January | DHWIND89 | MORRIS\_NUECES1\_1 | NUECES\_B | MORRIS | 2 |
| 2025 | January | SMGIENW8 | TRU\_TRF1 | TRU | TRU | 2 |
| 2025 | January | DBIGSCH5 | 6056\_\_A | LNGSW | CONSW | 2 |
| 2025 | January | MGTNGRS8 | 6830\_\_B | CRDSW | OLNEY | 2 |
| 2025 | January | SCOLPAW5 | LOOP\_VICTORIA\_1 | VICTORIA | L\_463S | 2 |
| 2025 | January | SMCEESK8 | MKLT\_TRNT1\_1 | TRNT | MKLT | 2 |
| 2025 | January | SDIMBEV8 | UVALDE\_W\_BATE1\_1 | W\_BATESV | UVALDE | 1 |
| 2025 | January | DCOLFA59 | VICTO\_WARBU\_1A\_1 | VICTORIA | WARBURTN | 1 |
| 2025 | January | DBERNAR8 | 1680\_\_A | RRWES | GEORSO | 1 |
| 2025 | January | MBONNED5 | 480T480\_1 | HARLNSW | N\_MERCED | 1 |
| 2025 | January | SBUZLME8 | 6217\_\_A | WLVSW | GAILS | 1 |
| 2025 | January | DSALTM58 | BELCNTY\_XFMR | BELCNTY | BELCNTY | 1 |
| 2025 | January | SVICCOL8 | COLETO\_VICTOR1\_1 | COLETO | VICTORIA | 1 |
| 2025 | January | DFRIILL8 | CTHR\_TINSLE1\_1 | TINSLEY | CTHR | 1 |
| 2025 | January | STANPAW5 | EDROY\_MATHIS1\_1 | EDROY | MATHIS | 1 |
| 2025 | January | XCAR89 | ELDO\_LVOK1\_1 | LVOK | ELDO | 1 |
| 2025 | January | MBONNED5 | HAINE\_\_LA\_PAL1\_1 | LA\_PALMA | HAINE\_DR | 1 |
| 2025 | January | DNOECED5 | JERRY\_RUSSEK1\_1 | JERRY | RUSSEKST | 1 |
| 2025 | January | SEBHUG8 | LANCTY\_LAN\_CT1\_1 | LAN\_CTY | LANCTYPM | 1 |
| 2025 | January | SPALSTI8 | STEWAR\_VERTRE1\_1 | STEWART | VERTREES | 1 |
| 2025 | January | DBAKCED5 | HARGRO\_PUMPJA1\_1 | HARGROVE | PUMPJACK | 1 |
| 2025 | January | SBWDDBM5 | LPLNE\_LPLDB\_1 | LPLNE | LPLDB | 1 |
| 2025 | January | BASE CASE | MAGRUD\_VICTOR2\_1 | VICTORIA | MAGRUDER | 1 |
| 2025 | January | SCOMHA38 | MAXWEL\_WHITIN1\_1 | MAXWELL | WHITING | 1 |
| 2025 | January | SMILBNK8 | MIL\_PALPNTO\_1 | MIL | PLPTP | 1 |
| 2025 | January | SPLSFAS9 | POT\_PEAR\_1 | PEARSALL | POTEETS | 1 |
| 2025 | January | DRNKLWS5 | RNKSW\_MR1H | RNKSW | RNKSW | 1 |
| 2025 | January | SCOLBAL8 | SANA\_FMR1 | SANA | SANA | 1 |
| 2025 | January | MPASTNE5 | VERTRE\_WESLAU1\_1 | WESLAU | VERTREES | 1 |
| 2025 | January | DTMPBE58 | 1680\_\_A | RRWES | GEORSO | 1 |
| 2025 | January | DLEGOUT5 | 40\_\_A | JEWET | BBSES | 1 |
| 2025 | January | DNAVOUT5 | 40\_\_A | JEWET | BBSES | 1 |
| 2025 | January | DEMSHCK8 | 583\_\_D | DCRSW | ALISN | 1 |
| 2025 | January | SRHOEMS8 | 583\_\_D | DCRSW | ALISN | 1 |
| 2025 | January | SWRDYN8 | 589T589\_1 | EL\_CAMPO | RICEBI | 1 |
| 2025 | January | SCALPL8 | CAL\_PL\_5\_1 | PL | PL | 1 |
| 2025 | January | DCENFRE5 | CENIZO\_TIEMPO1\_1 | TIEMPO | CENIZO | 1 |
| 2025 | January | SRAZDRY8 | DOWNIE\_READIN1\_1 | READING | DOWNIES | 1 |
| 2025 | January | DCENTIE5 | EDROY\_SMITH1\_1 | SMITH | EDROY | 1 |
| 2025 | January | DFOWSMG5 | GEO\_SIG\_1 | GEOWEST | SIGMOR | 1 |
| 2025 | January | DBIGSCH5 | HARGRO\_PUMPJA1\_1 | HARGROVE | PUMPJACK | 1 |
| 2025 | January | SMV\_RI28 | HWY511\_SCARBID\_1 | MV\_HW511 | SCARBIDE | 1 |
| 2025 | January | DBAKCED5 | JERRY\_RUSSEK1\_1 | JERRY | RUSSEKST | 1 |
| 2025 | January | MHARNED5 | LA\_PALMA\_XF1B | LA\_PALMA | LA\_PALMA | 1 |
| 2025 | January | SCONMGS5 | MGSES\_MR1L | MGSES | MGSES | 1 |
| 2025 | January | SMCEABS8 | MKLT\_TRNT1\_1 | TRNT | MKLT | 1 |
| 2025 | January | SOBWA2P5 | OB\_WAP99\_A | WAP | OB | 1 |
| 2025 | January | DRAZSA89 | READIN\_UVALDE1\_1 | UVALDE | READING | 1 |
| 2025 | January | SIOLKEI8 | RPR\_GIBC\_1 | RPR | GIBCRK | 1 |
| 2025 | January | DNOECED5 | STCO\_STER1\_1 | STER | STCO | 1 |
| 2025 | January | SREAUVA8 | UVALDE\_W\_BATE1\_1 | W\_BATESV | UVALDE | 1 |
| 2025 | January | BASE CASE | WHARTN | n/a | n/a | 1 |
| 2025 | January | DLYTTUR8 | 617T617\_1 | PURGRO | SATTLE | 1 |
| 2025 | January | DSALKLN5 | 630\_\_B | KLNSW | HHSTH | 1 |
| 2025 | January | SCMNCPS5 | 651\_\_C | CMNTP | SHILO | 1 |
| 2025 | January | DCAGCI58 | 656T656\_1 | BERGHE | KENDAL | 1 |
| 2025 | January | SNORNEV5 | 683T683\_1 | BAKESW | SOLSTICE | 1 |
| 2025 | January | XFTS89 | ALPINE\_BRONCO1\_1 | BRONCO | ALPINE | 1 |
| 2025 | January | SCACHUG8 | ARROZ\_EL\_CAM1\_1 | ARROZ | EL\_CAMPO | 1 |
| 2025 | January | SROBLON9 | CALALS\_LON\_HI1\_1 | LON\_HILL | CALALS | 1 |
| 2025 | January | SCOMHA38 | CARVER\_TINSLE1\_1 | CARVER | TINSLEY | 1 |
| 2025 | January | XORN89 | EDROY\_MATHIS1\_1 | EDROY | MATHIS | 1 |
| 2025 | January | DNOECED5 | HARGRO\_PUMPJA1\_1 | HARGROVE | PUMPJACK | 1 |
| 2025 | January | DHUGWR\_8 | LANCTY\_LAN\_CT1\_1 | LAN\_CTY | LANCTYPM | 1 |
| 2025 | January | SWRDYN8 | LANCTY\_LAN\_CT1\_1 | LAN\_CTY | LANCTYPM | 1 |
| 2025 | January | DVICEDN8 | LOOP\_VICTORIA\_1 | VICTORIA | L\_463S | 1 |
| 2025 | January | DBAKCED5 | LVOK\_SANTIA1\_1 | SANTIAGO | LVOK | 1 |
| 2025 | January | SOZNFRI9 | PHBL\_T\_STRS1\_1 | PHBL\_TAP | STRS | 1 |
| 2025 | January | BASE CASE | THOMASTN\_PS1 | THOMASTN | THOMASTN | 1 |
| 2025 | January | SSTAPYO8 | 138\_IH2\_COT\_1 | TNCOLIET | IH20 | 1 |
| 2025 | January | DKENCA58 | 398T389\_1 | HAYSEN | BERGHE | 1 |
| 2025 | January | DMBDRKC5 | 651\_\_B | CMNSW | CMNTP | 1 |
| 2025 | January | SENWSHK8 | 940\_\_A | ENWSW | TMPTN | 1 |
| 2025 | January | BASE CASE | ALPINE\_BRONCO1\_1 | BRONCO | ALPINE | 1 |
| 2025 | January | SSEATMP8 | BELCNTY\_XFMR | BELCNTY | BELCNTY | 1 |
| 2025 | January | SCO2EUL8 | COLETO\_ROSATA1\_1 | COLETO | ROSATA | 1 |
| 2025 | January | SPAWCAL5 | COYCTP\_PLEASA1\_1 | COYCTP | PLEASANT | 1 |
| 2025 | January | SCOMHA38 | CTHR\_TINSLE1\_1 | TINSLEY | CTHR | 1 |
| 2025 | January | STANPAW5 | EDROY\_SMITH1\_1 | SMITH | EDROY | 1 |
| 2025 | January | SRAYRI38 | HAINE\_\_LA\_PAL1\_1 | LA\_PALMA | HAINE\_DR | 1 |
| 2025 | January | DNOECED5 | LVOK\_SANTIA1\_1 | SANTIAGO | LVOK | 1 |
| 2025 | January | SHIWCIT8 | MORRIS\_NUECES1\_1 | NUECES\_B | MORRIS | 1 |
| 2025 | January | SES2FRI8 | PHBL\_T\_STRS1\_1 | PHBL\_TAP | STRS | 1 |
| 2025 | January | DLWSRNK5 | RNKSW\_MR1H | RNKSW | RNKSW | 1 |
| 2025 | January | SW\_LVLT5 | 15060\_\_A | KOCHTAP | BUZSW | 1 |
| 2025 | January | DHUTGEA8 | 1710\_\_C | BELCNTY | SALSW | 1 |
| 2025 | January | SVENFTS5 | 35055\_\_A | SAMSW | VENSW | 1 |
| 2025 | January | MEXCRNK5 | 583\_\_C | ALISN | KRUMS | 1 |
| 2025 | January | SLWSRNK5 | 583\_\_D | DCRSW | ALISN | 1 |
| 2025 | January | DENWSTE8 | 943\_\_B | ENWSW | SHKSW | 1 |
| 2025 | January | MBONNED5 | BURNS\_RIOHONDO\_1 | RIOHONDO | MV\_BURNS | 1 |
| 2025 | January | MWEILON8 | CALALS\_LON\_HI1\_1 | LON\_HILL | CALALS | 1 |
| 2025 | January | DBIGKEN5 | CARVER\_TINSLE1\_1 | CARVER | TINSLEY | 1 |
| 2025 | January | DFRIILL8 | CARVER\_TINSLE1\_1 | CARVER | TINSLEY | 1 |
| 2025 | January | DKENBA89 | COLETO\_ROSATA1\_1 | COLETO | ROSATA | 1 |
| 2025 | January | SCOLPAW5 | COLETO\_ROSATA1\_1 | COLETO | ROSATA | 1 |
| 2025 | January | SLAQLOB8 | COT\_HOLA\_1 | COTULAS | HOLANDS | 1 |
| 2025 | January | DDILCOT8 | DILLEYSW\_XF1H | DILLEYSW | DILLEYSW | 1 |
| 2025 | January | DSGTSCH5 | HARGRO\_PUMPJA1\_1 | HARGROVE | PUMPJACK | 1 |
| 2025 | January | BASE CASE | I\_KALO | n/a | n/a | 1 |
| 2025 | January | MLOBFOR5 | LASCRU\_MILO1\_1 | LASCRUCE | MILO | 1 |
| 2025 | January | MBONNED5 | LASPUL\_RAYMND1\_1 | LASPULGA | RAYMND2 | 1 |
| 2025 | January | MANSSTP5 | NCARBI\_SEADRF1\_1 | NCARBIDE | SEADRFTC | 1 |
| 2025 | January | SESMFRI8 | PHBL\_T\_STRS1\_1 | PHBL\_TAP | STRS | 1 |
| 2025 | January | SRAZDRY8 | READIN\_UVALDE1\_1 | UVALDE | READING | 1 |
| 2025 | January | DD1RAZ\_8 | UVALDE\_W\_BATE1\_1 | UVALDE | W\_BATESV | 1 |
| 2025 | January | SSTAPYO8 | 138\_IH2\_COT\_1 | IH20 | TNCOLIET | 1 |
| 2025 | January | DD1RAZ\_8 | 2585\_1 | DOWNIES | MOORE | 1 |
| 2025 | January | SLWSRNK5 | 595\_\_A | BNTSW | DCATR | 1 |
| 2025 | January | SGDNTEL5 | ACSSW\_AX1H | ACSSW | ACSSW | 1 |
| 2025 | January | STULKEN8 | COLETO\_ROSATA1\_1 | COLETO | ROSATA | 1 |
| 2025 | January | SKITGEO9 | EDROY\_SMITH1\_1 | SMITH | EDROY | 1 |
| 2025 | January | DFRIILL8 | HAMILT\_MAXWEL1\_1 | MAXWELL | HAMILTON | 1 |
| 2025 | January | SSTVMIL8 | MIL\_PALPNTO\_1 | MIL | PLPTP | 1 |
| 2025 | January | SSTILOM8 | SCARBI\_TITAN\_1\_1 | SCARBIDE | TITAN\_SU | 1 |
| 2025 | January | SVLGLO8 | SN\_STR26\_A | SN | STR | 1 |
| 2025 | January | MGRIRAP5 | VICTO\_WARBU\_1A\_1 | VICTORIA | WARBURTN | 1 |
| 2025 | January | SSTAWIC8 | 138\_HRT\_BPT\_1 | BRDSPRYT | HARPOONT | 1 |
| 2025 | January | DCAGCI58 | 398T389\_1 | HAYSEN | BERGHE | 1 |
| 2025 | January | DVANEDN8 | 589T589\_1 | EL\_CAMPO | RICEBI | 1 |
| 2025 | January | DMTSCOS5 | 6437\_\_A | KNAPP | BCKSW | 1 |
| 2025 | January | DENWSTE8 | 943\_\_B | SHKSW | ENWSW | 1 |
| 2025 | January | SSOLALM8 | ALPR\_BARL1\_1 | BARL | ALPR | 1 |
| 2025 | January | SCOLBAL8 | BALLIN\_HUMBLT1\_1 | BALLINGE | HUMBLTAP | 1 |
| 2025 | January | SBENRAI8 | BENTS\_FRTER\_1B\_1 | S\_MISSIN | FRONTERA | 1 |
| 2025 | January | MANSSTP5 | BLESSI\_LOLITA1\_1 | BLESSING | LOLITA | 1 |
| 2025 | January | DBRNCMN8 | CONCHO\_VRBS1\_1 | CONCHO | VRBS | 1 |
| 2025 | January | DWAP\_OB5 | EU\_WO\_09\_A | EU | WO | 1 |
| 2025 | January | SBIGOR45 | FORTMA\_YELWJC1\_1 | FORTMA | YELWJCKT | 1 |
| 2025 | January | DHUTGEA8 | GABRIE\_AT1 | GABRIE | GABRIE | 1 |
| 2025 | January | DNOESGT5 | JERRY\_PUMPJA1\_1 | PUMPJACK | JERRY | 1 |
| 2025 | January | DGILHIW8 | KOCH\_H\_LON\_HI1\_1 | KOCH\_HF | LON\_HILL | 1 |
| 2025 | January | STHOVIC8 | LOOP\_VICTORIA\_1 | VICTORIA | L\_463S | 1 |
| 2025 | January | DWPWFWP5 | STPWAP39\_1 | STP | WAP | 1 |
| 2025 | January | DSLKSOL5 | 138\_FTS\_LNC\_1 | FTST | LEONCRK | 1 |
| 2025 | January | SGLAAN28 | 1680\_\_A | RRWES | GEORSO | 1 |
| 2025 | January | SBLSJAC8 | 583\_\_D | DCRSW | ALISN | 1 |
| 2025 | January | DLWSRNK5 | 595\_\_A | BNTSW | DCATR | 1 |
| 2025 | January | DBERHE58 | 617T617\_1 | PURGRO | SATTLE | 1 |
| 2025 | January | DKENCA58 | 656T656\_1 | BERGHE | KENDAL | 1 |
| 2025 | January | SSOLALM8 | ALPR\_BARL1\_1 | ALPR | BARL | 1 |
| 2025 | January | DZORHAY5 | BERGHE\_AT1H | BERGHE | BERGHE | 1 |
| 2025 | January | SESMFRI8 | BISON\_STRS1\_1 | STRS | BISON | 1 |
| 2025 | January | SSANFER8 | CORONA\_AT4 | CORONA | CORONA | 1 |
| 2025 | January | STULKEN8 | COYCTP\_PLEASA1\_1 | COYCTP | PLEASANT | 1 |
| 2025 | January | XFO3R89 | FORMOSA\_TR21 | FORMOSA | FORMOSA | 1 |
| 2025 | January | SBIGOR55 | FORTMA\_YELWJC1\_1 | FORTMA | YELWJCKT | 1 |
| 2025 | January | DSALKLN5 | GABRIE\_AT1 | GABRIE | GABRIE | 1 |

1. Current Wind Generation Record: 28,373 MW on 01/04/2025 at 19:25 | Current Wind Penetration Record: 69.15% on 04/10/2022 at 01:43

 Current Solar Generation Record: 24,336 MW on 02/24/2025 at 12:57 | Current Solar Penetration Record: 50.09% on 02/24/2025 at 13:07 [↑](#footnote-ref-2)