Monthly Highlights

• ERCOT set a maximum peak demand of 58,598 MW* in January 2021, which is 9,526 MW more than the January 2020 demand of 49,072 MW.

• ERCOT issued 3 notification:
  – 1 OCN for predicted freezing precipitation event for the Panhandle, West, North and Central areas of the ERCOT Region.
  – 1 OCN due to ERCOT modifying the PNHNDL Generic Transmission Constraint due to the current transmission outage topology.
  – 1 Advisory for delay in clearing DAM and posting of the DAM Solution.

* Preliminary value from February release of Demand and Energy 2021 report.
Monthly energy generation increased by 6.1% year-over-year to 30,808 GWh in January 2021, compared to 29,045 GWh in January 2020.

Data for latest two months are based on preliminary settlements.
Generation Interconnection activity by project phase
(Excludes capacity associated with Projects designated as Inactive per Planning Guide Section 5.7.6)

A break-out by fuel type can be found in the monthly Generator Interconnection Status (GIS) reports available on the ERCOT Resource Adequacy Page: [http://www.ercot.com/gridinfo/resource](http://www.ercot.com/gridinfo/resource)
Interconnection Queue Capacity by Fuel Type

Queue totals: Solar 90 GW (61.2%), Wind 23 GW (15.9%), Gas 7 GW (4.9%), Battery 26 GW (17.8%)
(Excludes capacity associated with Projects designated as Inactive per Planning Guide Section 5.7.6)

A break-out by zone can be found in the monthly Generator Interconnection Status (GIS) reports available on the ERCOT Resource Adequacy Page: [http://www.ercot.com/gridinfo/resource](http://www.ercot.com/gridinfo/resource)
Planning Summary

- ERCOT is currently tracking 738 active generation interconnection requests totaling 146,925 MW. This includes 89,896 MW of solar, 23,334 MW of wind, 26,107 MW of battery, and 7,224 MW of gas projects as of January 31, 2021.

- ERCOT is currently reviewing proposed transmission improvements with a total estimated cost of $1,012.86 Million as of January 31, 2021.


- All projects (in engineering, routing, licensing and construction) total approximately $7.6 Billion as of October 1, 2020.

- Transmission Projects energized in 2020 total about $1.20 Billion as of October 1, 2020.
ERCOT set a maximum peak demand of 58,598 MW* in January 2021, which is 9,526 MW more than the January 2020 demand of 49,072 MW.

*Based on the maximum net system hourly value from February release of Demand and Energy 2021 report.

**Based on the minimum net system 15-minute interval value from February release of Demand and Energy 2021 report.

Data for latest two months are based on preliminary settlements.
The Mid-Term Load Forecast is an hourly forecast that looks 7 days into the future.
The Short-Term Wind Power Forecast (STWPF) is an ERCOT produced hourly 50% probability of exceedance forecast of the generation in MWh per hour from each Wind Generation Resource.
ERCOT’s performance based payment structure for Wind Forecasts with both vendors incentivizes improvements in forecast performance during hours that are of more importance to operational reliability. This approach is a paradigm shift from the “traditional” methodology of measuring wind forecast performance as a singular monthly average metric.

Forecast performance during large down ramp (wind ramp > 2000 MW) hours and high risk hours (historic risk of load ramping up and wind ramping down is high) is focused upon. Note that for the purposes of forecast performance measurement every hour in a month is classified as either a large down ramp hour or a high risk hour or something else. Any hour that is a high risk hour wherein a large down ramp was experienced will be tracked as a large down ramp hour.
Current Operating Plan (COP) Performance

- COPs for IRRs are derived from wind and solar forecasts from ERCOT with any adjustments from Qualified Scheduling Entities.
- The installed capacity of approved Wind Units is 31,403 MW (as of January 31, 2021).
- The installed capacity of approved Solar Units is 6,035 MW (as of January 31, 2021).
The congestion rent for January decreased in the North Zone and West Zone when compared to December. The most significant constraints for January are BASE CASE: PNHNDL in the West Zone and DHILMAR5: 292T303_1 in the South Zone.

Congestion Rent is determined using the shadow prices and MW flows for individual constraints in SCED as well as the length in time of SCED intervals.

The “Cross Zone” category consists of cases in which the substations on either end of the constraint are in different zones.
Two Resources were Committed in January for Congestion

“Effective Resource-hours” excludes any period during a Reliability Unit Commitment hour when the RUC-committed Resource was starting up, shutting down, off-line, or otherwise not available for dispatch by SCED.
Net Allocation to Load in January 2021 was ($16.9) Million

This information is available in tabular form in the Settlement Stability Report presented quarterly to the Wholesale Market Subcommittee.
Real-Time Revenue Neutrality Allocated to Load was $5.68M for January 2021

<table>
<thead>
<tr>
<th>January 2021 ($M)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Real-Time Energy Imbalance</td>
</tr>
<tr>
<td>Real-Time Point-to-Point Obligation</td>
</tr>
<tr>
<td>Real-Time Congestion from Self-Schedules</td>
</tr>
<tr>
<td>DC Tie &amp; Block Load Transfer</td>
</tr>
<tr>
<td>Load Allocated Revenue Neutrality</td>
</tr>
</tbody>
</table>
Ancillary Services for January 2021 totaled $25.26M
Day-Ahead and Real-Time Market Price Differences

The dotted lines represent the bounds for major outliers.

*Averages are weighted by Real-Time Market Load.
Percentage of Real-Time Load Transacted in the Day-Ahead Market
CRR Value and Cost Differences

Cost  Value

Value - Cost ($ Millions)

$ Millions

Jan 19  Mar 19  May 19  Jul 19  Sep 19  Nov 19  Jan 20  Mar 20  May 20  Jul 20  Sep 20  Nov 20  Jan 21
The CRR Balancing Account was fully funded and excess amounts were allocated to Load.

Note: Settlements for June 2020, July 2020 and August 2020 have been adjusted due to DAM price corrections.
Available Credit by Type Compared to Total Potential Exposure (TPE)

*Numbers are as of month end except for Max TPE
# Retail Transaction Volumes – Summary – January 2021

<table>
<thead>
<tr>
<th>Transaction Type</th>
<th>Year-To-Date</th>
<th>Transactions Received</th>
</tr>
</thead>
<tbody>
<tr>
<td>Switches</td>
<td>110,245</td>
<td>78,720</td>
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<tr>
<td>Acquisitions</td>
<td>0</td>
<td>0</td>
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<tr>
<td>Move - Ins</td>
<td>220,388</td>
<td>227,645</td>
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<tr>
<td>Move - Outs</td>
<td>100,157</td>
<td>106,727</td>
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<tr>
<td>Continuous Service Agreements (CSA)</td>
<td>22,021</td>
<td>60,894</td>
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<tr>
<td>Mass Transitions</td>
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<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>452,811</td>
<td>473,986</td>
</tr>
</tbody>
</table>