



## 2020 RTP and 2020 LTSA Economic Analyses – Initial Results

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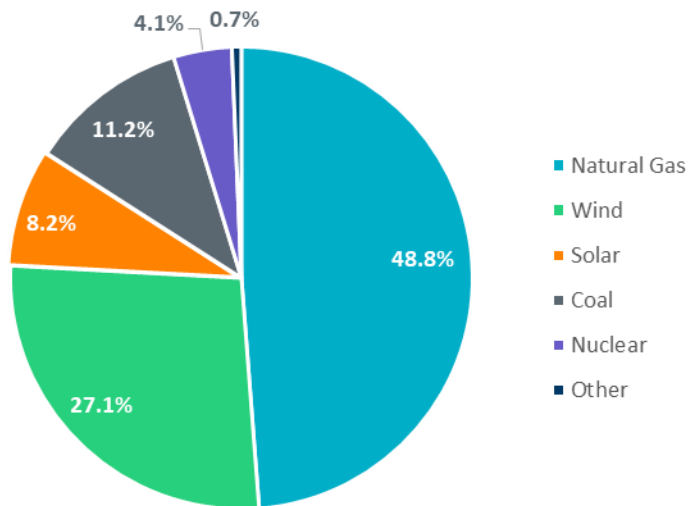
# 2020 RTP: System Summary

Description	Unit	2022 <sup>a</sup>	2025 <sup>a</sup>
Coincident Peak Load	MW	83,286	87,262
Peak Net Load <sup>b</sup>	MW	70,288	74,259
Minimum Net Load <sup>b</sup>	MW	12,940	15,426
Maximum Wind and Solar Penetration (Uncurtailed) <sup>c</sup>	%	89	83
Minimum Wind and Solar Penetration	%	2	2
Annual Energy	GWh	457,962	490,704
Transmission Losses	GWh	12,943	13,465
Total Generation	GWh	470,914	504,180
Load-Weighted Average LMP	\$/MWh	23.49	28.98

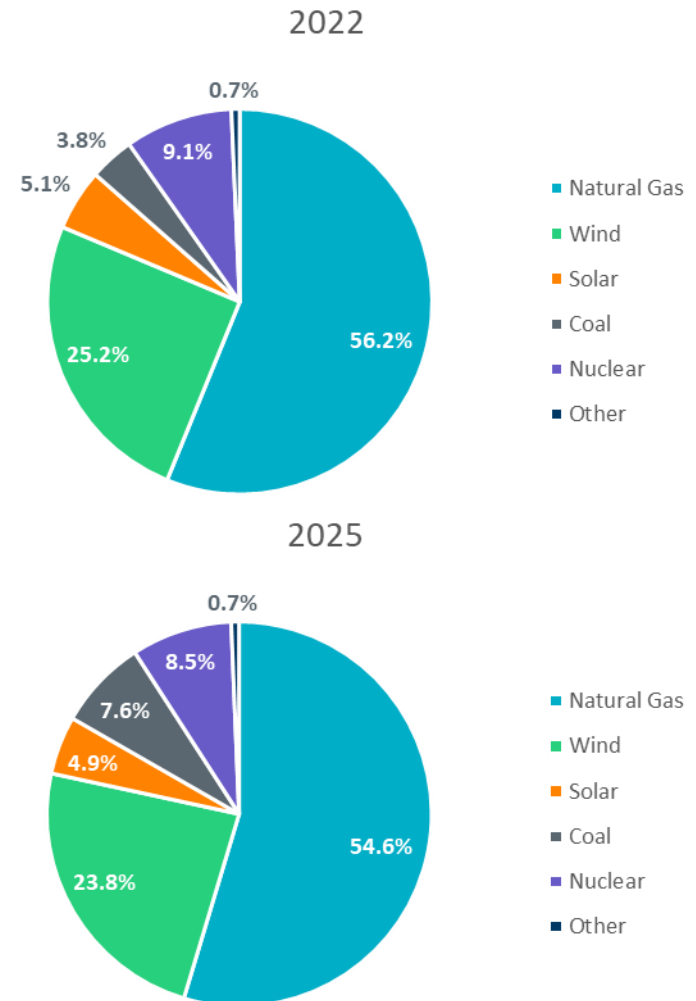
- a. All results are based on the 2013 historical weather year.
- b. Hourly Net Load = Hourly Load Forecast – Hourly Wind Output – Hourly Solar Output
- c. Calculated using total hourly maximums from wind and solar profiles. All other results include any curtailment resulting from the simulation.

# 2020 RTP: Generation Mix

## Capacity by Resource Type

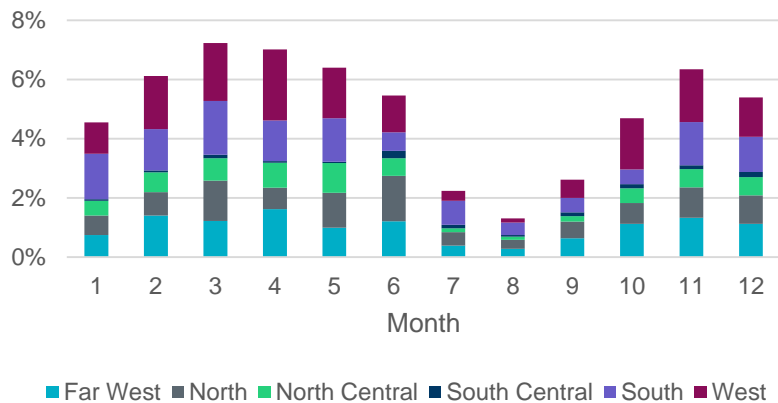


## Generation by Resource Type

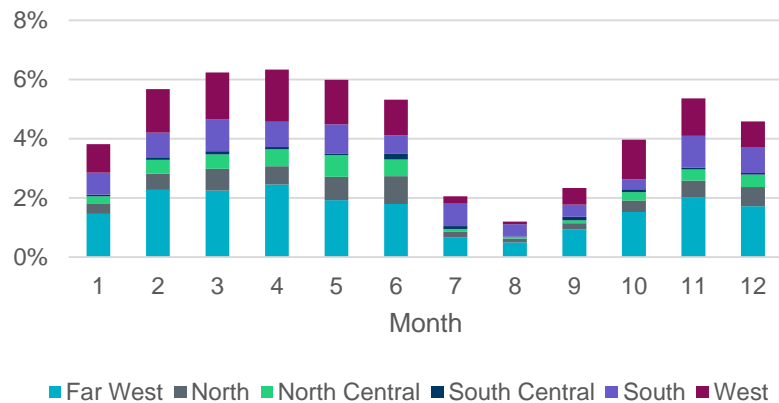


# 2020 RTP: Wind and Solar Curtailment

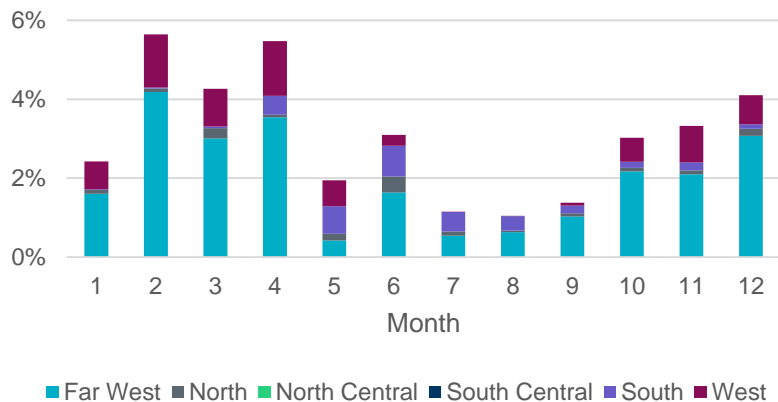
## Wind - 2022



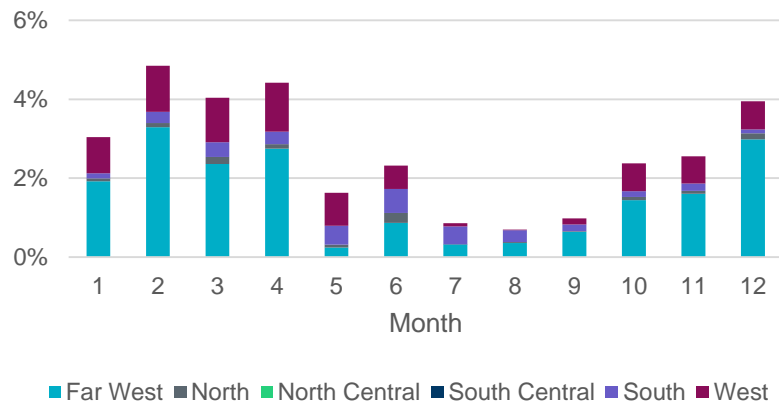
## Wind - 2025



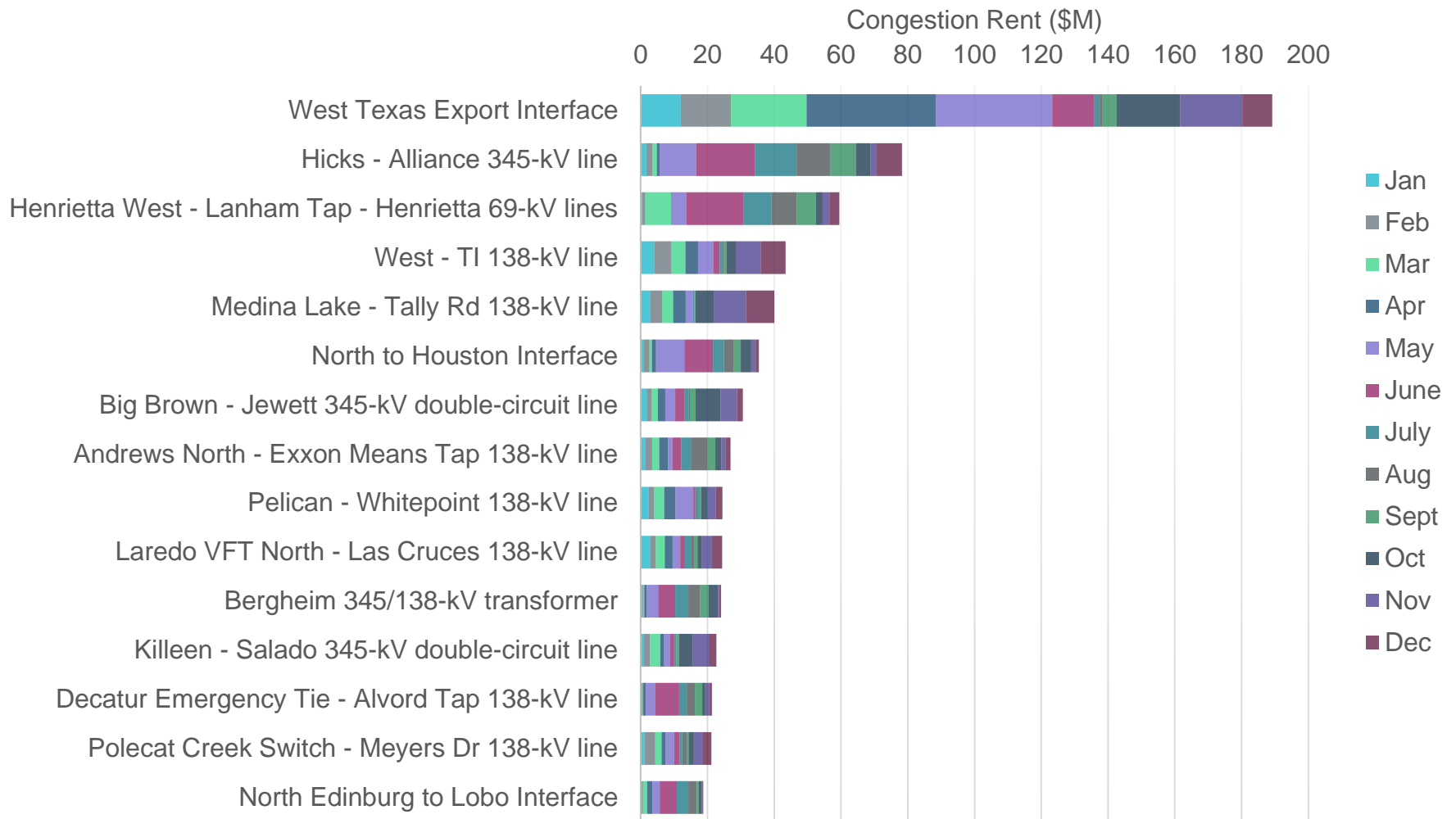
## Solar - 2022



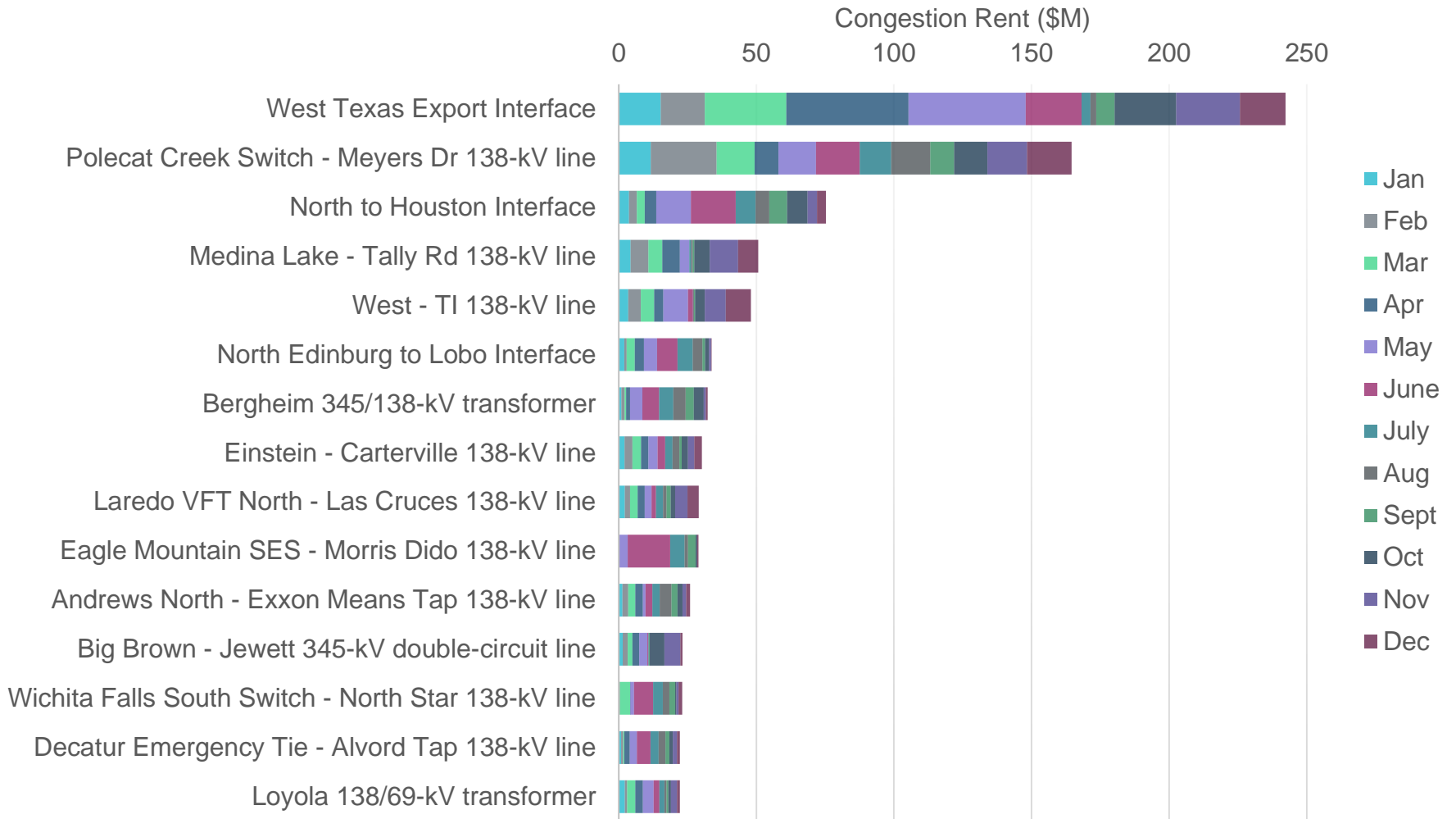
## Solar - 2025



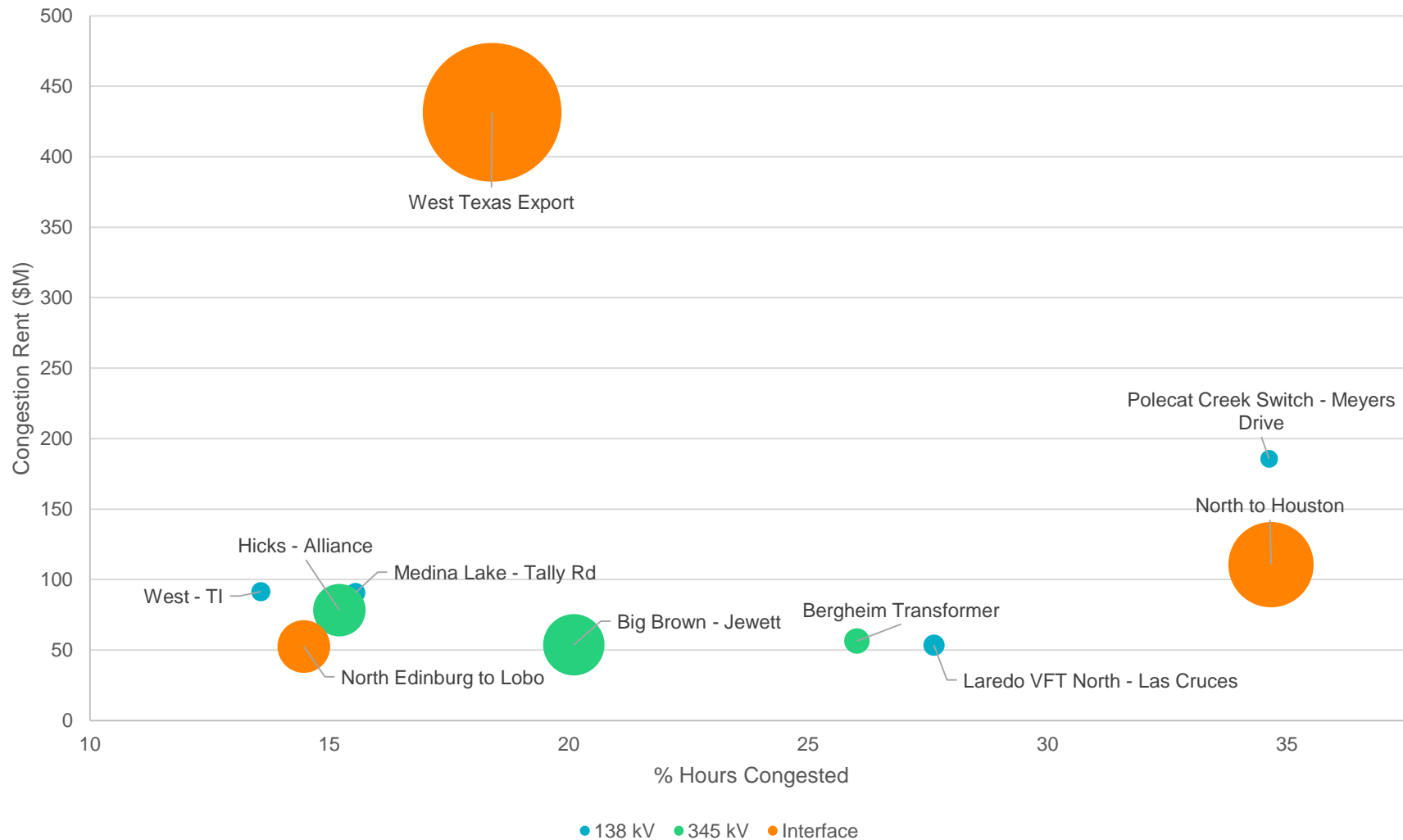
# 2020 RTP: Top Constraints (2022)



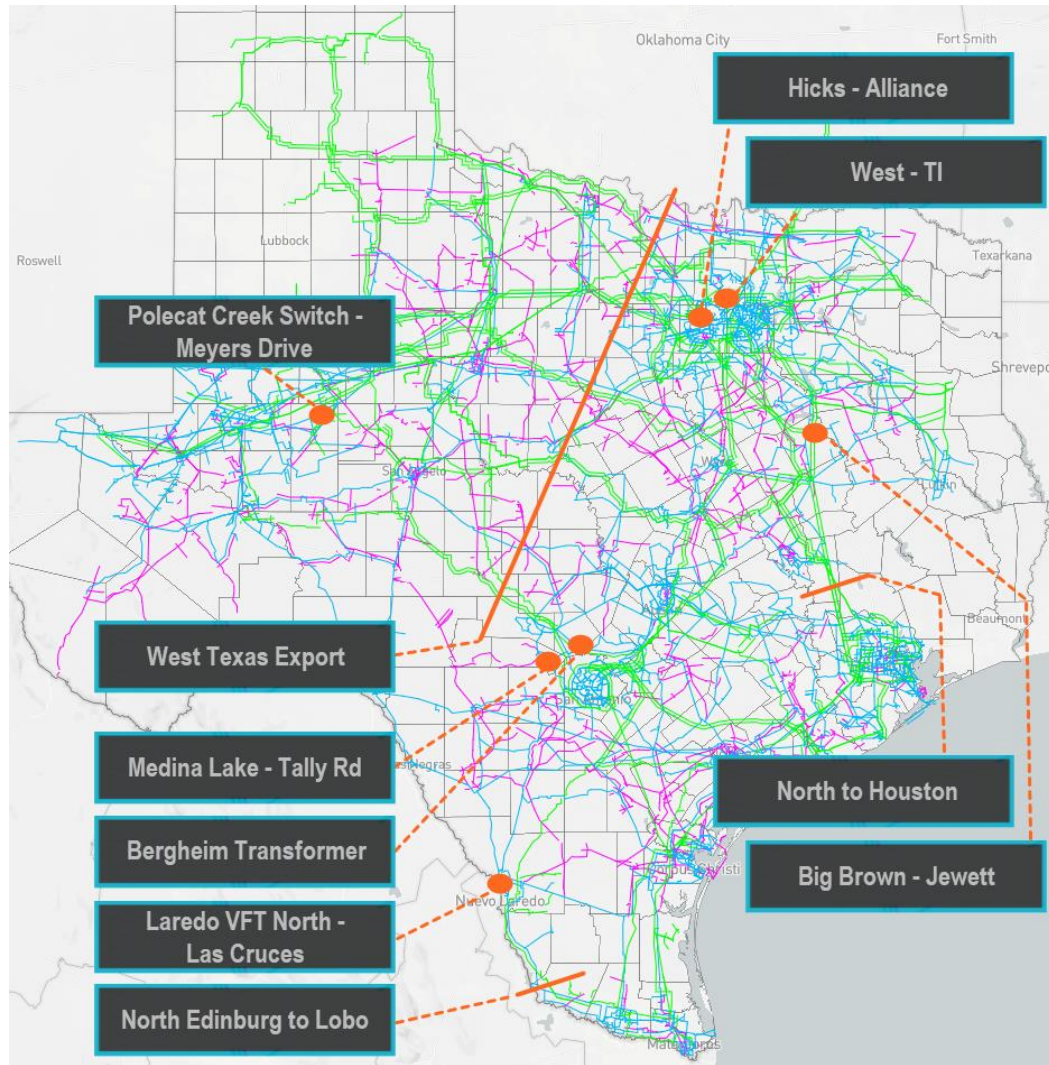
# 2020 RTP: Top Constraints (2025)



# 2020 RTP: Top Constraints (2022 + 2025)

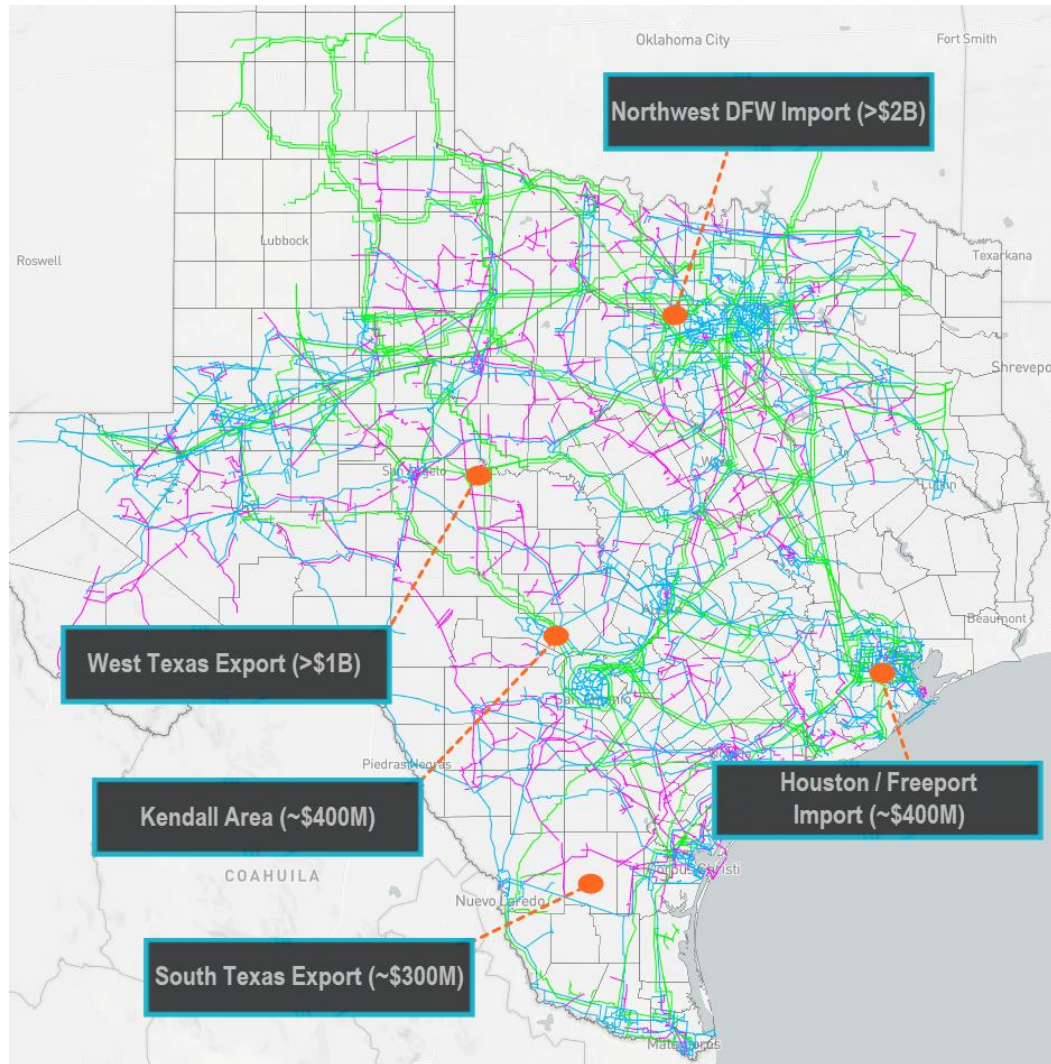


# 2020 RTP: Top Constraints (2022 + 2025)





# 2020 LTSA: Top Constraints (CT 2030)



Note: Values shown are aggregated congestion rents.