



## **Permian Basin Load Interconnection Study - Status Update**

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# Recap

- Purpose of the study
  - Identify local transmission upgrades that may be necessary to connect potential local oil and gas loads in the Permian Basin area
- ERCOT provided status updates at the previous RPG meetings
  - Permian Basin Area Improvement Updates at the December 2020 RPG meeting  
[http://www.ercot.com/content/wcm/key\\_documents\\_lists/189757/Permian\\_Basin\\_Area\\_Improvement\\_Updates\\_-\\_Dec2020RPG.PDF](http://www.ercot.com/content/wcm/key_documents_lists/189757/Permian_Basin_Area_Improvement_Updates_-_Dec2020RPG.PDF)
  - Permian Basin Load Interconnection Study Scope at the January 2021 RPG meeting  
[http://www.ercot.com/content/wcm/key\\_documents\\_lists/213837/Permian\\_Basin\\_Load\\_Interconnection\\_Study\\_Scope\\_-\\_Jan2021RPG.pdf](http://www.ercot.com/content/wcm/key_documents_lists/213837/Permian_Basin_Load_Interconnection_Study_Scope_-_Jan2021RPG.pdf)

# Status Update

- ERCOT and TSPs are in the process to incorporate the IHS load forecast within the Permian Basin area, including new load not connecting to the existing transmission grid, in the developed study base case

➤ Load Summary

	IHS Load Forecast (MW)		2020 RTP WFW (MW)
	2025 Load	2030 Load	2025 Load
Existing Load	6,601	7,402	8,343
New Load	1,850	2,568	n/a
Total Load	8,450	9,970	8,343

- Maps for approximate locations and sizes of new load points for years 2025 and 2030 (see next slides)

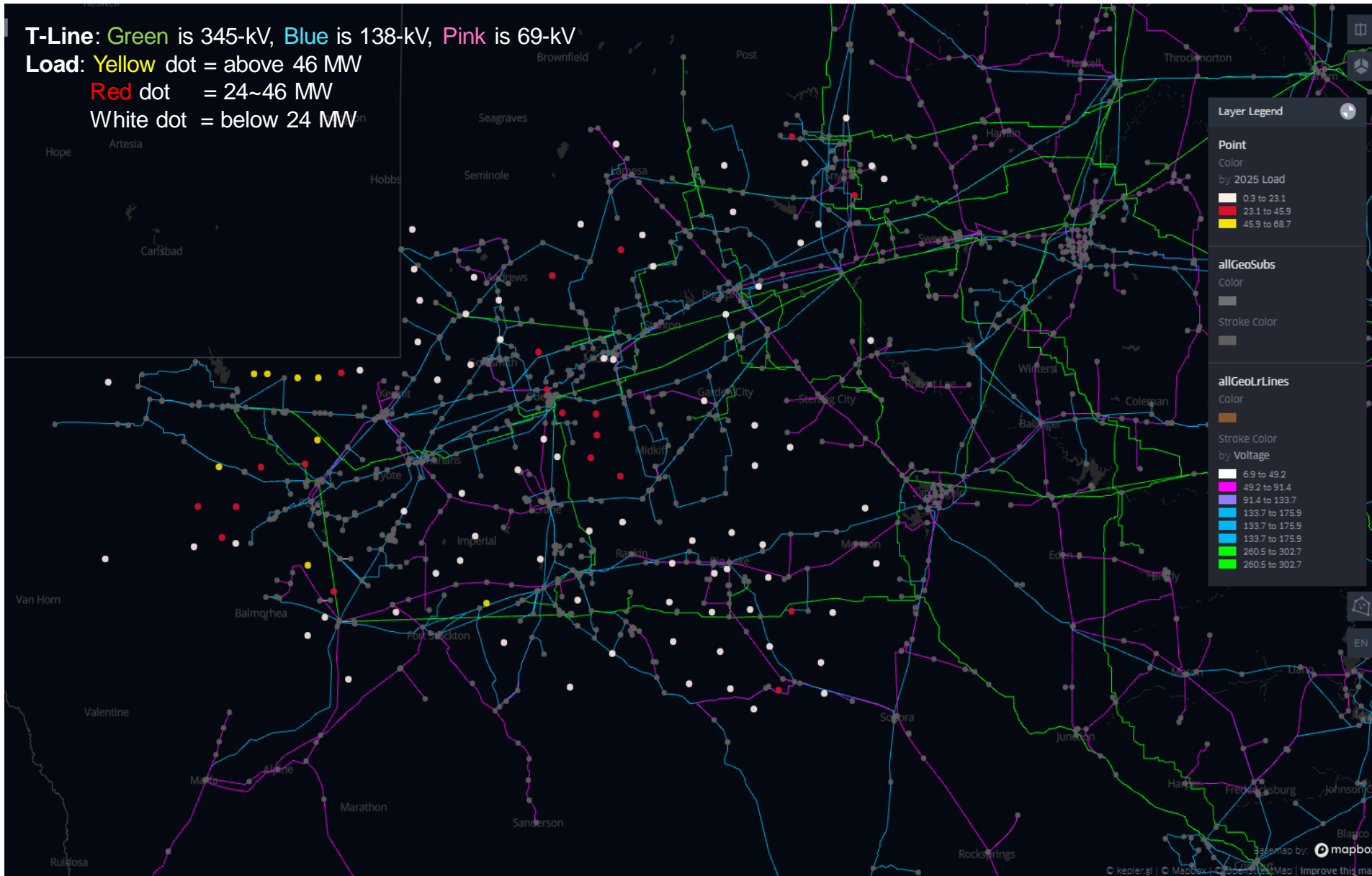
# Map of New Loads (Year 2025)

T-Line: Green is 345-kV, Blue is 138-kV, Pink is 69-kV

Load: Yellow dot = above 46 MW

Red dot = 24~46 MW

White dot = below 24 MW



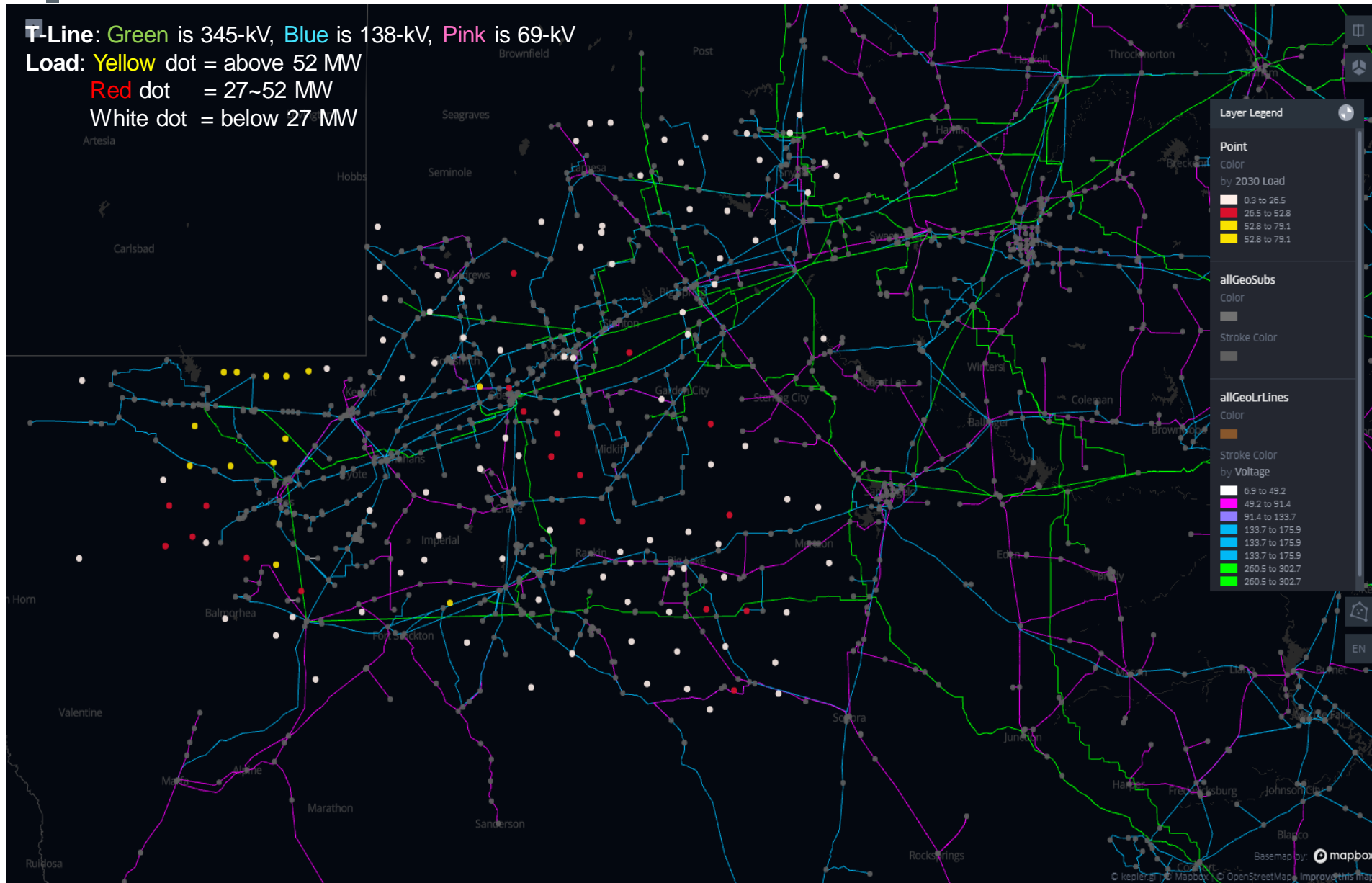
# Map of New Loads (Year 2030)

**T-Line:** Green is 345-kV, Blue is 138-kV, Pink is 69-kV

**Load:** Yellow dot = above 52 MW

Red dot = 27~52 MW

White dot = below 27 MW



# Tentative Timeline and Next Step

- Complete the load interconnection study: 2nd Quarter 2021
- Status updates at the future RPG meetings



Stakeholder Comments Also Welcomed to Sun Wook Kang:  
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