



Long-Term West Texas Export Special Study - Update

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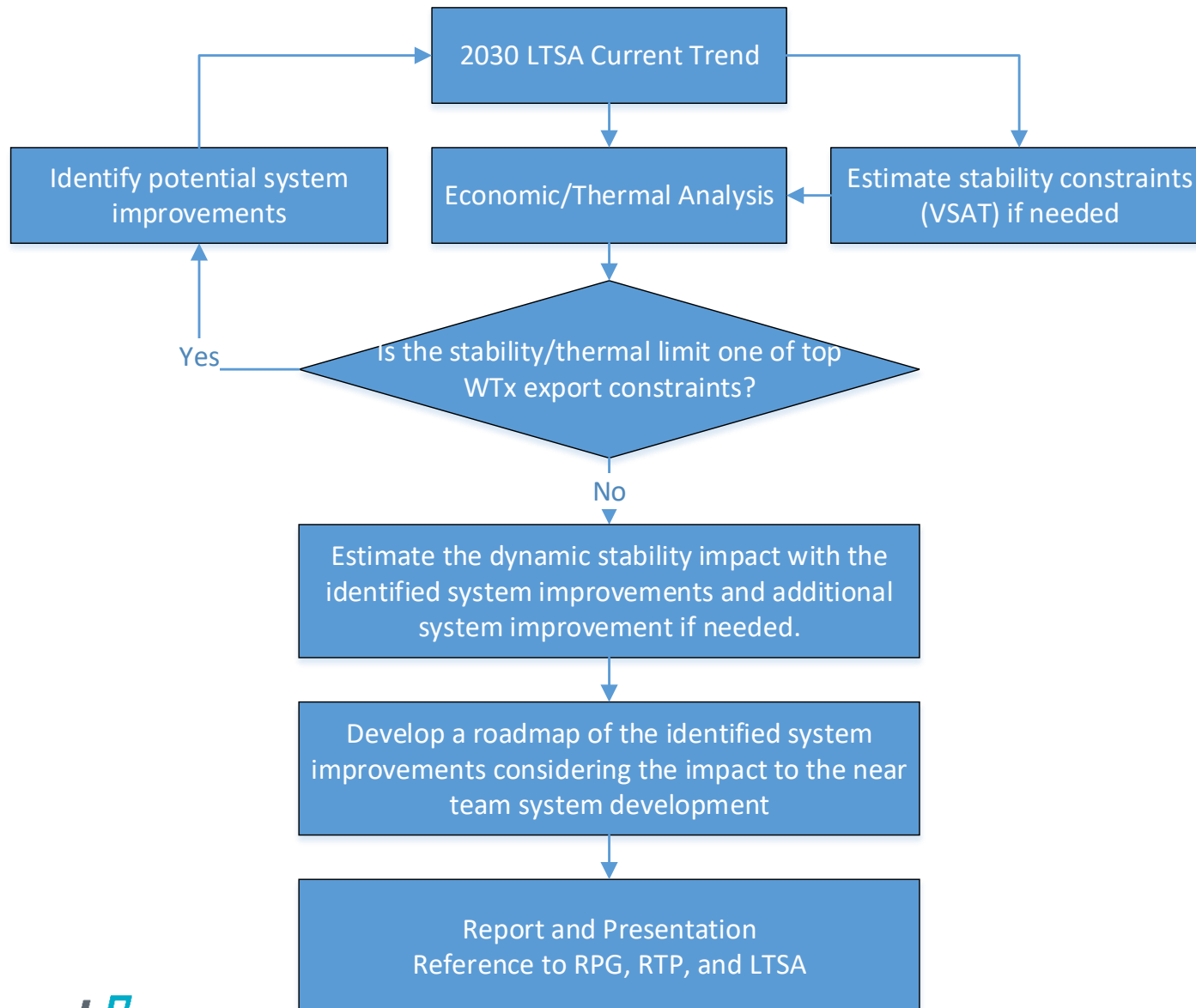
Received Stakeholders' Comments

- Stakeholders provided comments to:
 - prioritize this study's efforts and accelerate the completion timeline to Q1-2021
 - support the consideration of VSC-HVDC as potential long term improvement options
 - consider interim incremental improvements, for example, online TSAT and non-wire options (voltage control and coordination, dynamic line impedance control and IBR control)

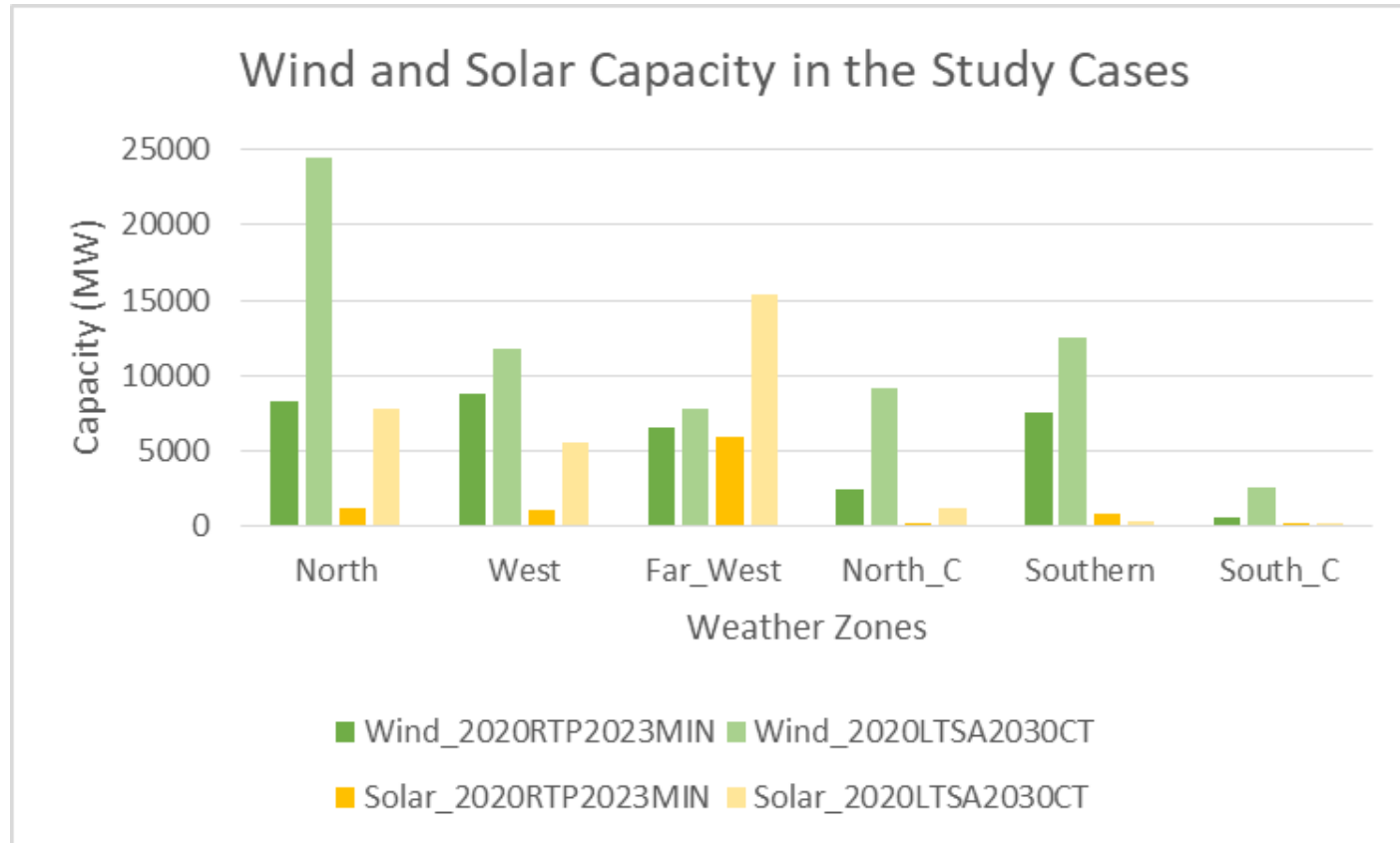
Received Stakeholders' Comments (continue)

- Questions asked by stakeholders:
 - What stability limits will be used in the study?
 - Estimated stability limits will be determined in this study
 - What is the process to identify potential system improvements?
 - What sensitivities does ERCOT plan to study?
 - See methodology in slide 2. The identified potential improvements are expected to provide both long term support (2020LTSA2030CT) and short term stability limit improvement (2020RTP2023Min)
 - Will ERCOT evaluate both reliability and societal benefits?
 - Both reliability and economic assessments will be included in this study
 - Will the identified improvements be submitted for transmission project review and implementation?
 - The identified short term improvements may be used for further project submittal and review

Methodology



Cases Overview



Scenarios	Wind (MW)	Solar (MW)	W+S (MW)
2020RTP2023Min	~34 GW	~9 GW	~43 GW
2020LTSA2030CT	~68 GW	~30 GW	~98 GW

Next Steps and Tentative Schedule

- ERCOT plans to provide regular updates at monthly RPG meetings if needed

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