



TEXAS PERMIAN BASIN REGIONAL FREIGHT AND ENERGY SECTOR TRANSPORTATION PLAN

Stakeholder Listening Sessions – Round 1



Agenda

MEETING PURPOSE

Gather insight, input and feedback directly from the users of the system on defining the Permian Basin's priority freight and energy sector transportation network and understanding the freight operations, issues and challenges to the region's freight mobility.

Project Overview

Session Overview

Regional Priority Freight Network

Network Operations, Issues and Challenges

Plan Timeline and Next Steps



STUDY OVERVIEW

Why a Texas Permian Basin Regional Freight Plan?

PURPOSE

Develop a multimodal regional freight plan to improve safety and mobility throughout the Permian Basin region by addressing local and regional freight challenges, opportunities, and strategies

Freight activity in Permian Basin region has significant local, state and national implications

Region produces an average of 4.0 million barrels of oil a day (May, 2019)

Rapid economic growth and increasing energy sector freight volumes outpacing investment

2,000 or more truck trips per new well are generated in the region

Between 2010 to 2018, there was a 47% increase in the number of roadway crashes and a 64% increase in roadway fatalities

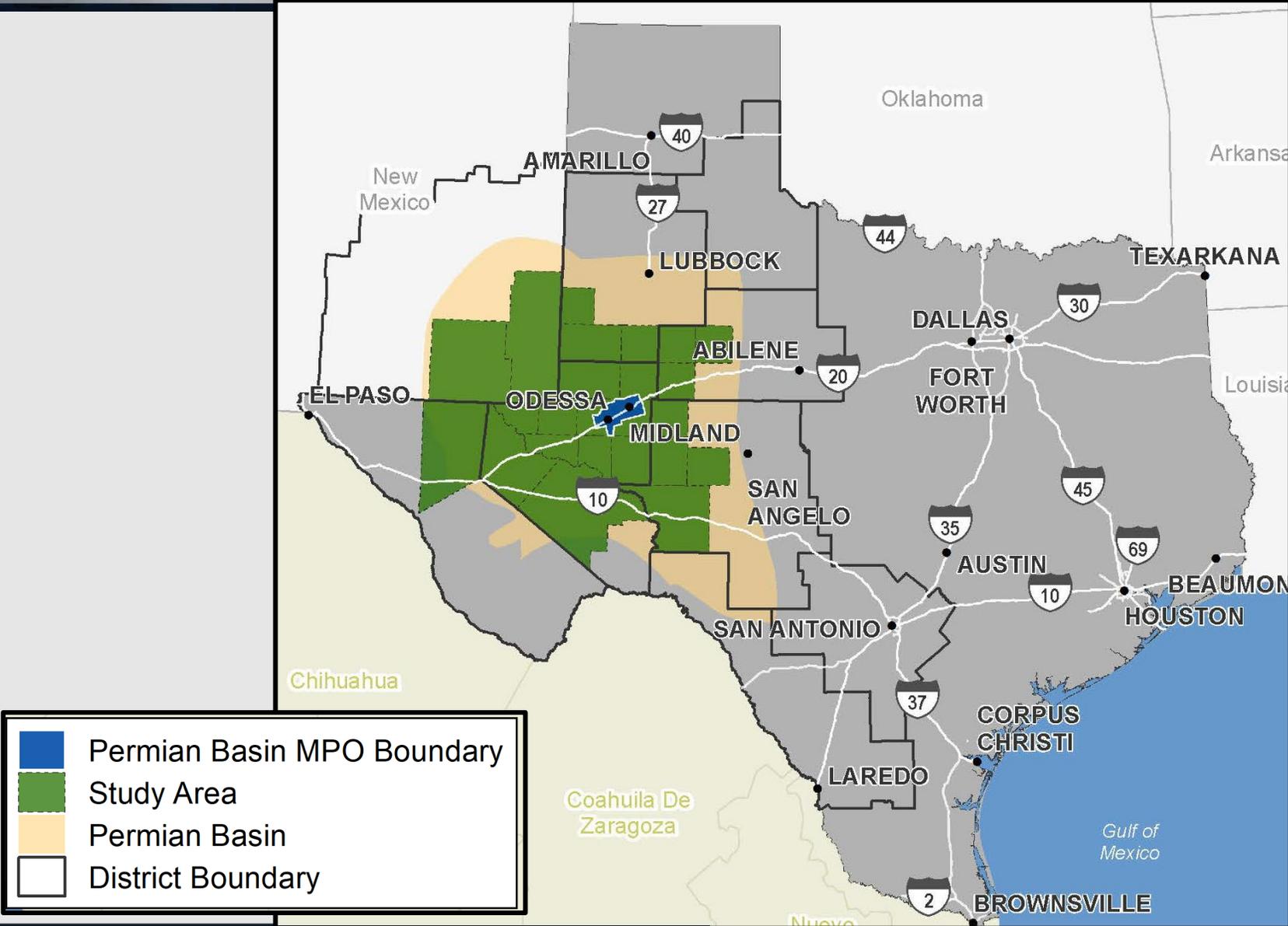
Region generated over \$4.9 billion in State revenues in 2017, accounting for nearly 10% of all state-generated general revenue

Permian Basin Regional Energy Sector and Freight Transportation Plan Study Area

22 Texas Counties

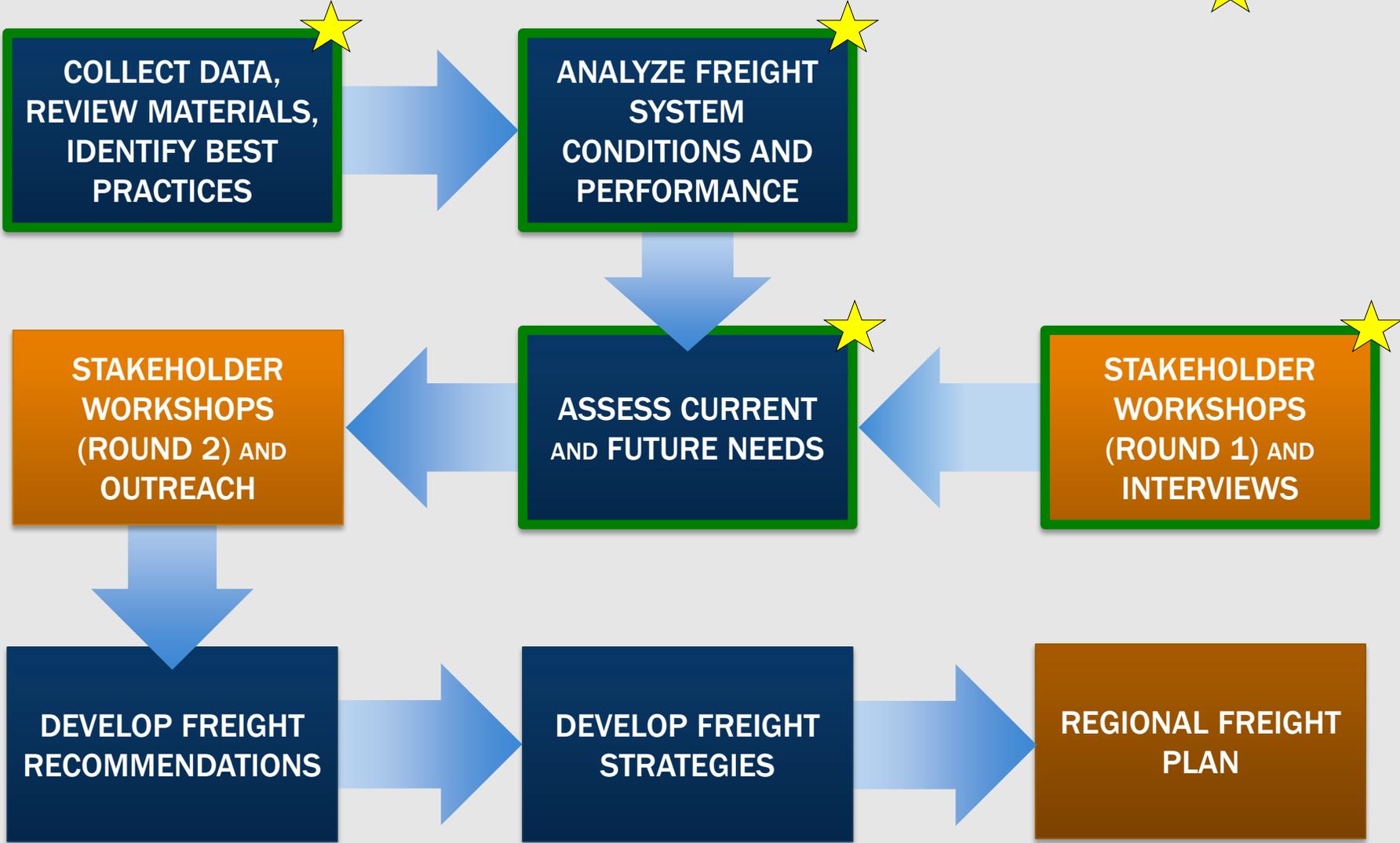
2 New Mexico Counties

*Permian Basin
Sphere of Influence*



Plan Development Approach

★ - WE ARE HERE



KEY ACTIVITIES

- Stakeholder kickoff meeting held May 31
- Engage and coordinate with Permian Basin Regional Freight Plan Advisory Committee
- Conduct stakeholder interviews (40)
- Online interactive stakeholder survey (MetroQuest)
- Coordinate with MPO committees and New Mexico Department of Transportation
- Conduct stakeholder listening sessions (2 rounds)





SESSION OVERVIEW

Series of Six Meetings

1

Energy Sector Perspective

Sand Perspective

2

3

Carriers and Haulers Perspective

Rural Community Perspective

4

5

Urban Area Perspective

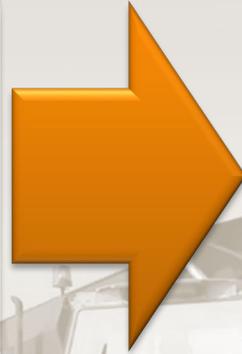
State Agency Perspective

6

How Can You Help?

Round 1 Stakeholder Meetings

- Review Plan Goals and Objectives
- Discuss Regional Multimodal Freight and Energy Sector Network
- Identify multimodal freight network needs and challenges
- Provide input on local freight data



To be used in Regional Freight Plan

- Finalize Plan Goals and Objectives
- Designate Regional Multimodal Freight and Energy Sector Network
- Multimodal Needs Assessment
- Local Data Enhancement
- Inform Strategies and Recommendations

Motivation for the Network Designation Process

Texas Multimodal Freight Network (TMFN) was a key policy outcome of the adopted Freight Plan

FAST Act recommends designating Critical Urban Freight Corridors (CUFCs) and Critical Rural Freight Corridors (CRFCs) to become part of the National Highway Freight Network (NHFN)

Projects on the NHFN highways are eligible for National Highway Freight Program funds and FASTLANE discretionary grants

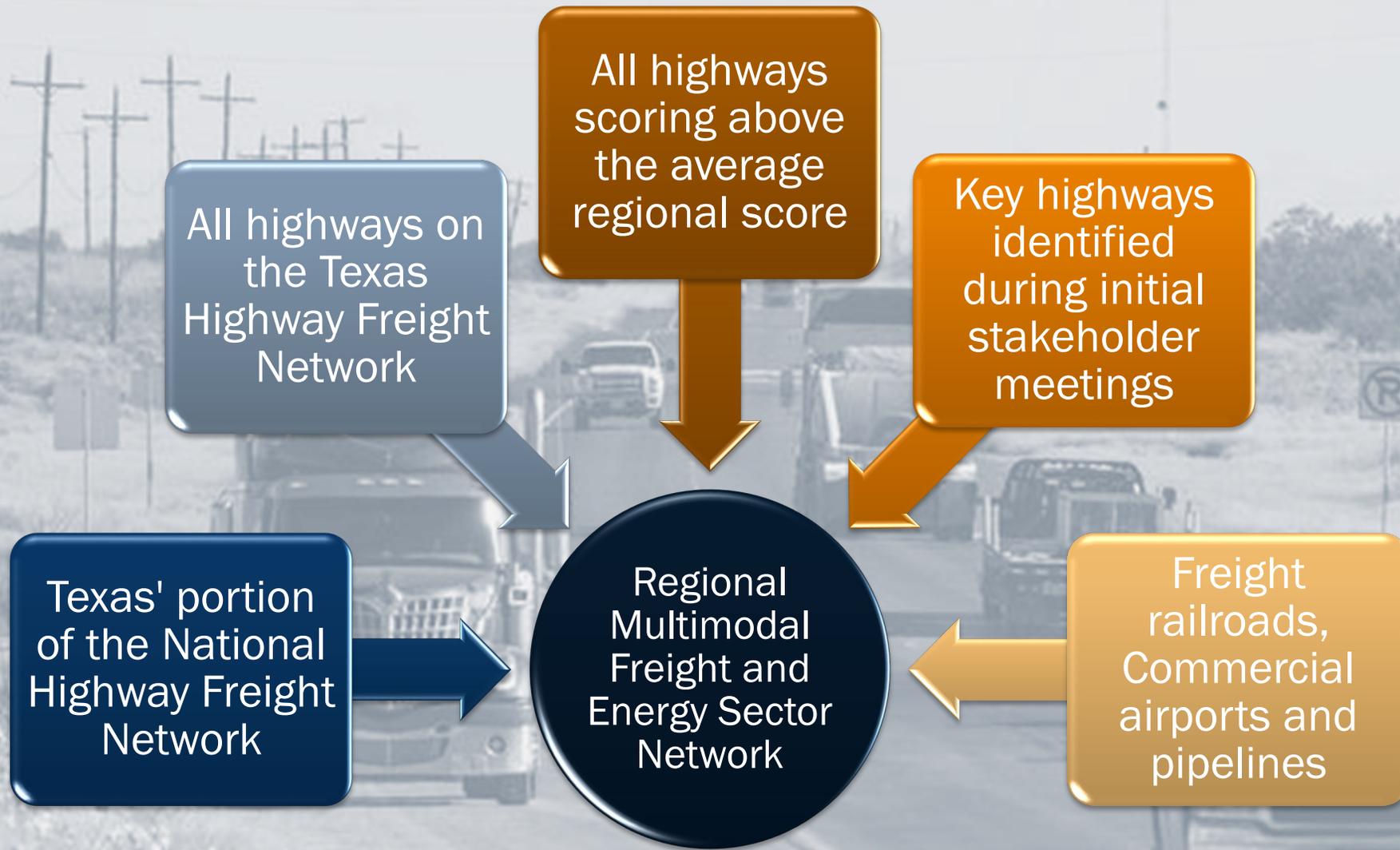
The Permian Basin Regional Freight and Energy Sector Network will become eligible for TMFN and NHFN designation

The Permian Basin Regional Freight and Energy Sector Network will be the basis of needs assessment, project prioritization, recommendations and implementation

Evaluation and Designation Process for Highways



Components of the Regional Multimodal Freight and Energy Sector Network



Input on the Regional Multimodal Freight and Energy Sector Network

- **What are your primary routes? Are these your preferred routes?**
- **What routes do you avoid? Why?**
- **What routes are critical to connecting to rail terminals? Pipeline terminals? Airports?**
- **What routes are critical to accessing international markets at border and Gulf ports?**
- **What routes do you think will be most important in the future – will they be the same or will new development change the routes?**



ISSUES, CHALLENGES AND NEEDS



1

Congestion and mobility

Safety

2

3

Truck parking

Access and connectivity

4

5

Infrastructure design

Economic Competitiveness

6

- What is the average number of loads per day?
- How does congestion impact your operations, e.g., number of turns per day?
- Is there a pattern to the congestion?
 - Recurring location
 - Time of day
 - Day of week



- Where are safety hotspots such as intersections, routes, etc.?
- What are some of the causes of crashes?
- How is incident clearance and emergency response?



- **Where do you park your truck?**
 - Required HOS break?
 - During off hours?
- **Where are most significant truck parking shortages?**



- Does the network provide adequate access between where sand originates and where it needs to go?
- Does it connect to areas of current energy production sites? Anticipated future production sites?



- Are there roadway/network design elements that cause issues? Where?
- How does it impact traffic flow?
- How does it impact your operations?



- Does transportation network impact your cost of doing business or your earning potential? How?





TEXAS DEPARTMENT OF TRANSPORTATION

WRAP-UP



Key Deliverables

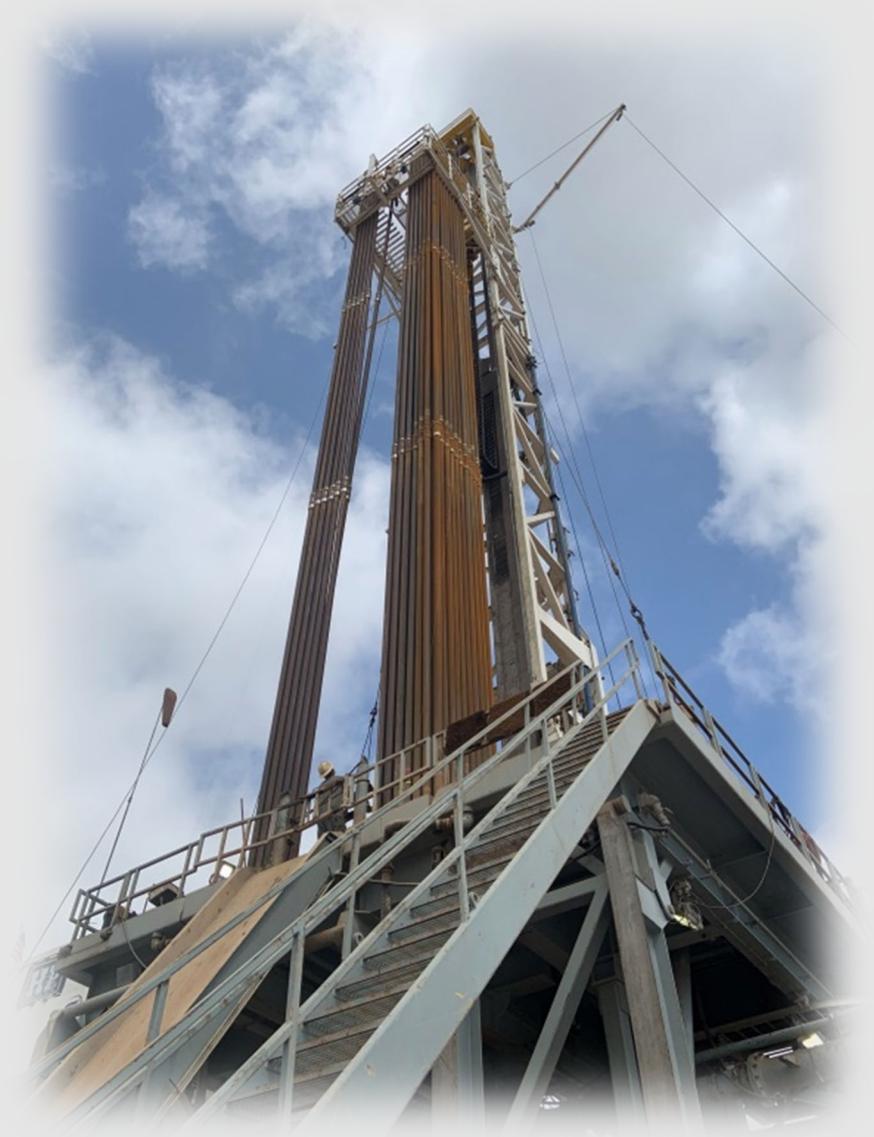
Task	Deliverables	Schedule
Technical Analysis and Reports	Stakeholder Outreach and Interviews	April – July 2019 and January – March 2020
	Energy Sector / Freight Data Collection	July 2019
	Multimodal Energy Sector / Freight Transportation Network	July 2019
	Economic and Commodity Flow Profile and Forecast	November 2019
	Land Use and Needs Assessment	December 2019
	Energy Sector / Freight Strategies and Recommendations	January 2020
	Freight Analysis Tool	March 2020
	Investment Plan and Implementation Program	April 2020
	Economic Importance and Impact of Energy Sector Memo	May 2020
	Final Plan and Executive Summary	June 2020

Technical Analysis

- Collect data from public and private sources
- Regional freight network and needs assessment
- Develop economic and commodity flow profile

Stakeholder Outreach

- Online survey and interactive map (August 2019)
- Plan Advisory Committee (September 2019)
- Stakeholder interviews (Ongoing)
- Round 2 listening sessions (February/March 2020)



Thank you!

**Contact us for more information about the Permian Basin
Regional Freight and Energy Sector Transportation Plan**

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