



# Overview of Arlington Reliability Enhancement Projects

ERCOT RPG Meeting

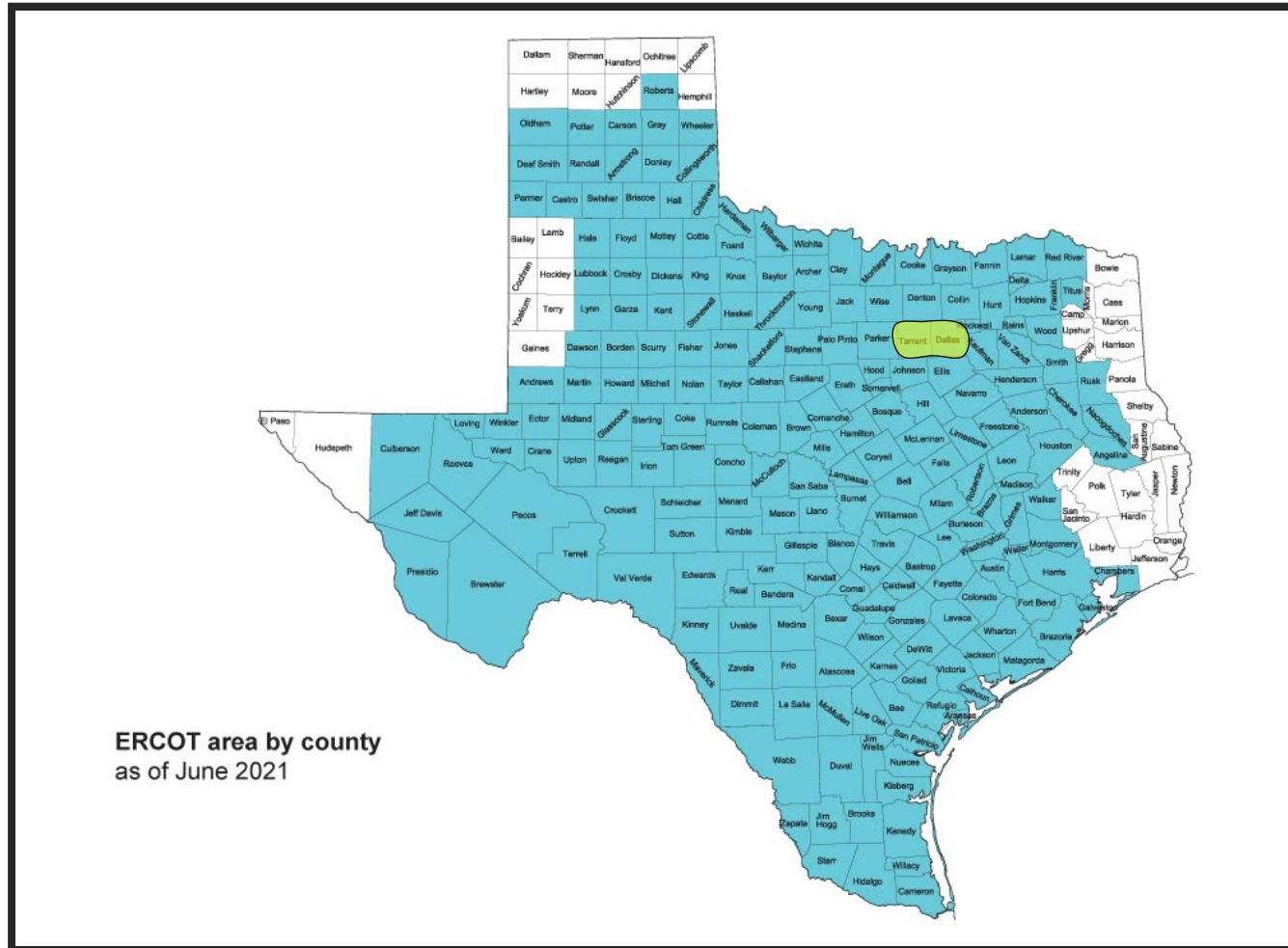
09/19/2023

Montse Meadows

## Project Overview:

- Tier-2 Project in the Arlington area
- The proposed project will improve grid reliability, operational flexibility and power restoration in a critical area of Tarrant county by providing diversity of transmission sources
- Cost Estimate \$72M
- ~3-mile new double-circuit 138 kV line
- One new switching station
- Addition of sectionalizing equipment

# Proposed Project Approximate Location



# Oncor's Recommendation

## **In order to provide reliability and flexibility in the Arlington area, Oncor recommends the following:**

- Establish the Division 138 kV Substation with two 47 MVA, 138-12.47 kV load serving transformers in a four-breaker ring bus arrangement;
- Construct an estimated 0.6-mile 138 kV double-circuit line to establish the Division – Executive Parkway/Sherry 138 kV double-circuit line using a conductor rated 2569 A/614 MVA or greater;
- Construct an estimated 2.4-mile 138 kV double-circuit line to establish the Executive Parkway – Cedar Hill/Liggett – General Motors 138 kV double-circuit line using a conductor rated 2569 A/614 MVA or greater;
- Install two sectionalizing switches at the existing Brookhollow 138 kV Tap on the Executive Parkway - Liggett 138 kV line; and
- Ensure all terminal and associated equipment meets or exceeds 3200 A/764 MVA.

# Questions?

