

# Rob Schutty, P.E.,

- Rob Schutty, P.E., serves as the Lower Colorado River Authority Director, Timmerman Power Plant.
- Rob's duties include overall project responsibility for the Engineering, Construction, Start-Up and Commissioning of Timmerman Units 1 & 2. Timmerman Units 1 & 2 each consist of 10 Wärtsilä 18V50SG engines rated at 18.8 MW each for a total installed capacity of 188.8 MW each.
- Since the successful start of commercial operations at Timmerman 1 in August 2025, Rob has been the Plant Director of the site.
- Rob holds a Bachelor of Science degree in Mechanical Engineering from Kansas State University.



# **LCRA Timmerman 1 Winterization Highlights**

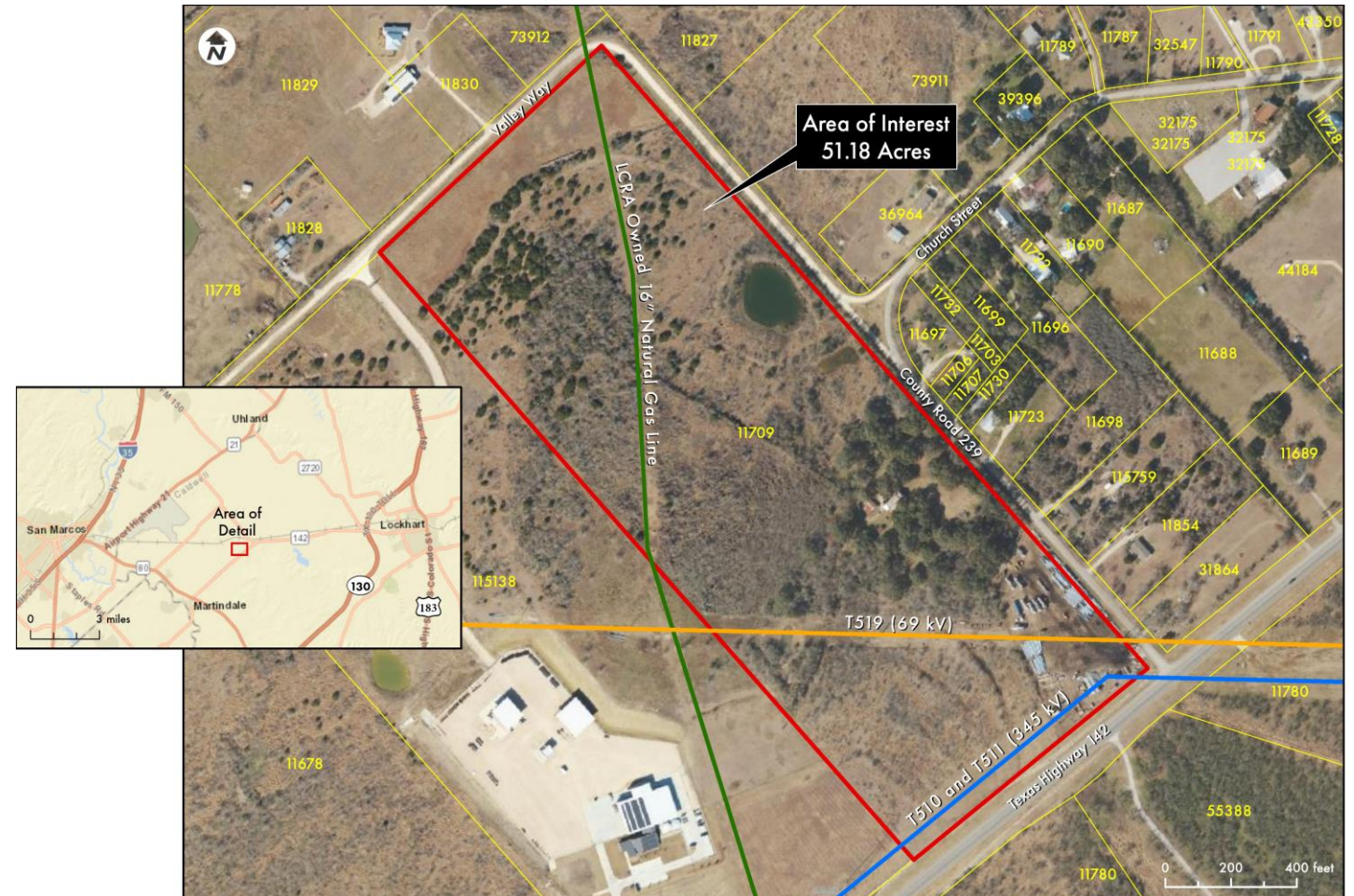
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**Rob Schutty P.E.  
Timmerman Plant Director  
October 16, 2025**



# Project Highlights

- **Two (2) Peaker Plants**  
Ten (10) 18.8-MW Wärtsilä reciprocating internal combustion engines each
- **Location**  
Maxwell, TX – 51.18 Acres
- **Transmission Interconnection:**  
T510 – 345 kV & T511 – 345 kV
- **Natural-gas Interconnection:**  
16" LCRA-owned
- **Temperature Rating**  
0-115 F with no restrictions due to adverse weather conditions up to 40 mph wind, rain, snow, sleet or hail





# Timmerman Unit 1





# Timmerman Unit 1 Engine Hall





# Summer & Winter Glycol Mix Tanks



1. Lessons learned from site visit of another Wärtsilä user
2. Winter mix: 42% glycol
3. Summer mix: 100% water
4. Each tank sized to hold the contents of 10 engine coolant
5. Prior to summer/winter season, we will change out the engine coolant

# Tank Transfer Pumps





# Firewater Storage Tank



1. NFPA code design is 22 F ambient did not require insulated tank
2. Plant site design 0 F required 2" insulation on the tank



# Freeze Protection



Freeze Protection Panel 1

- The freeze protection at Timmerman is a multi-circuit electronic control, monitoring and power distribution system
  - Raychem nVent NGC-30 controllers
- The controllers include user interface terminals with touch screen LCD color displays
- The controllers are networked via Modbus to the plant DCS, where operators can remotely monitor each circuit; alarms are configured to alert for a fault or failure of each circuit

# Freeze Protection



Freeze Protection Panel 2

- Heating cable is a mix of self-regulating heating cable and mineral insulated (MI) cable
- Heat tracing circuits are individually controlled using RTD temperature sensors
- Each heat trace circuit is installed with above-the-insulation lighted end seal kits
- The following parameters are monitored:
  - Temperature
  - Ground fault
  - Current
  - Voltage



# Plant Weather Station



1. LCRA best practice is to install Plant Weather Station at our plant sites
2. Timmerman installed weather station that is displayed in the plant control room



Timmerman 1 Plant Rendering from the Engineering 3D Model Used for Plant Design



