



College Station Utilities

Reliable, Affordable, Community Owned

Electric Supply

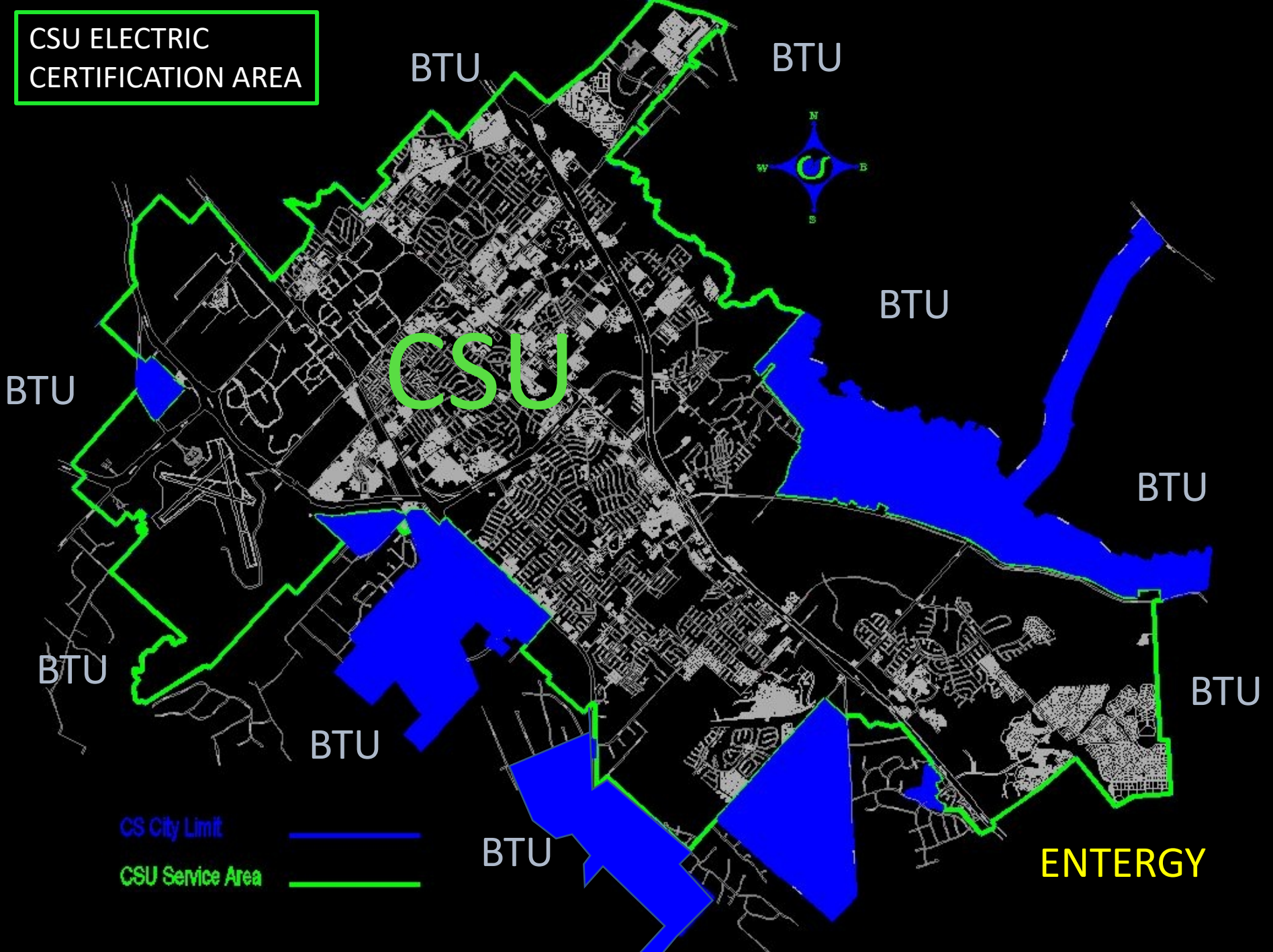
Presented by :

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Director of Electric Utilities



CSU ELECTRIC
CERTIFICATION AREA



BTU

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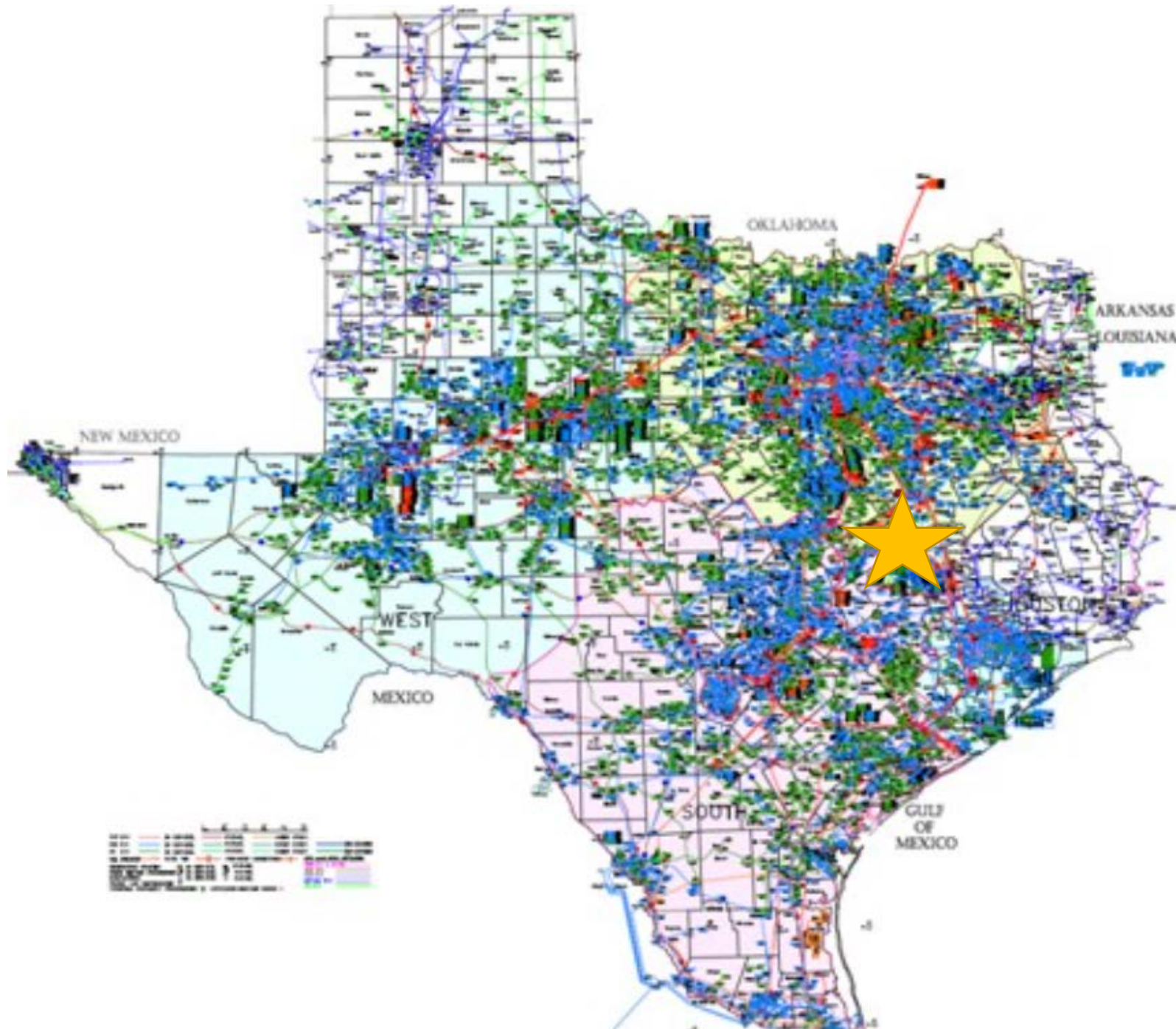
ENERGY

CS City Limit

CSU Service Area

CSU ELECTRIC SYSTEM

- FACILITIES:
 - Hardened Distribution System
 - 3 year tree trimming cycle
 - 50% poles are concrete, steel, or fiberglass
 - 61% of the distribution system is underground
 - Yearly infrared inspection on facilities
 - Padmount transformer restoration program
 - Distribution System backstand capability
 - Eight substations with feeder ties
 - 533 MVA of substation transformer capacity with 230 MVA peak system load
- POWER SUPPLY:
 - CSU has power supply contracts to cover all power consumption needs
 - As part of the ERCOT system we are required to participate in:
 - Conservation efforts
 - Rolling Outages



The ERCOT Grid

Over 38,000 miles of total transmission lines, over 1.5 times the circumference of the earth!!!

PUCT REQUIREMENTS AND THE ERCOT TRANSMISSION SYSTEM

SINCE -FEBRUARY 2021- ICE STORM URI

- CREATED WINTERIZATION REQUIREMENTS FOR GENERATION, TRANSMISSION, AND DISTRIBUTION SYSTEMS. CONTINUE TO MANDATE REQUIREMENTS FOR UTILITIES.
- RANDOM INSPECTIONS OF WINTERIZATION OF FACILITIES.
- DICTATED REQUIREMENTS FOR EMERGENCY OPERATION PLANS FOR ELECTRIC UTILITIES.
- WORKED WITH RAILROAD COMMISSION ON IDENTIFYING CRITICAL GAS FACILITIES.
- INCREASED REQUIREMENTS FOR SYSTEM RESERVE CAPACITY.

RESULTS:

- COLD TEMPERATURES IN FEBRUARY 2022 DID NOT SEE REQUIREMENTS FOR ROLLING OUTAGES.
- EXTENSIVE HEAT THIS SUMMER (55 DAYS OF 100+ DEGREES), CALLS FOR CONSERVATION BUT NO ROLLING OUTAGES.

FORECAST

- THERE WILL BE AN ADEQUATE SUPPLY OF GENERATION IN THE ERCOT SYSTEM TO SERVE THE GROWING ECONOMY IN TEXAS.
- EXTREME EVENTS SHOULD BE MINIMIZED BY ERCOT'S EFFORTS TO IMPROVE (BUT THERE IS ALWAYS THE CHANCE FOR EVENTS THAT WILL ADVERSELY AFFECT THE SYSTEM).
- POWER WILL BE AVAILABLE, BUT COSTS WILL BE AFFECTED BY THE MARKET.



THE
END!

