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# 2021 Update on ETT CREZ Outages

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CMWG Meeting April 19, 2021

Kip Fox  
President, ETT

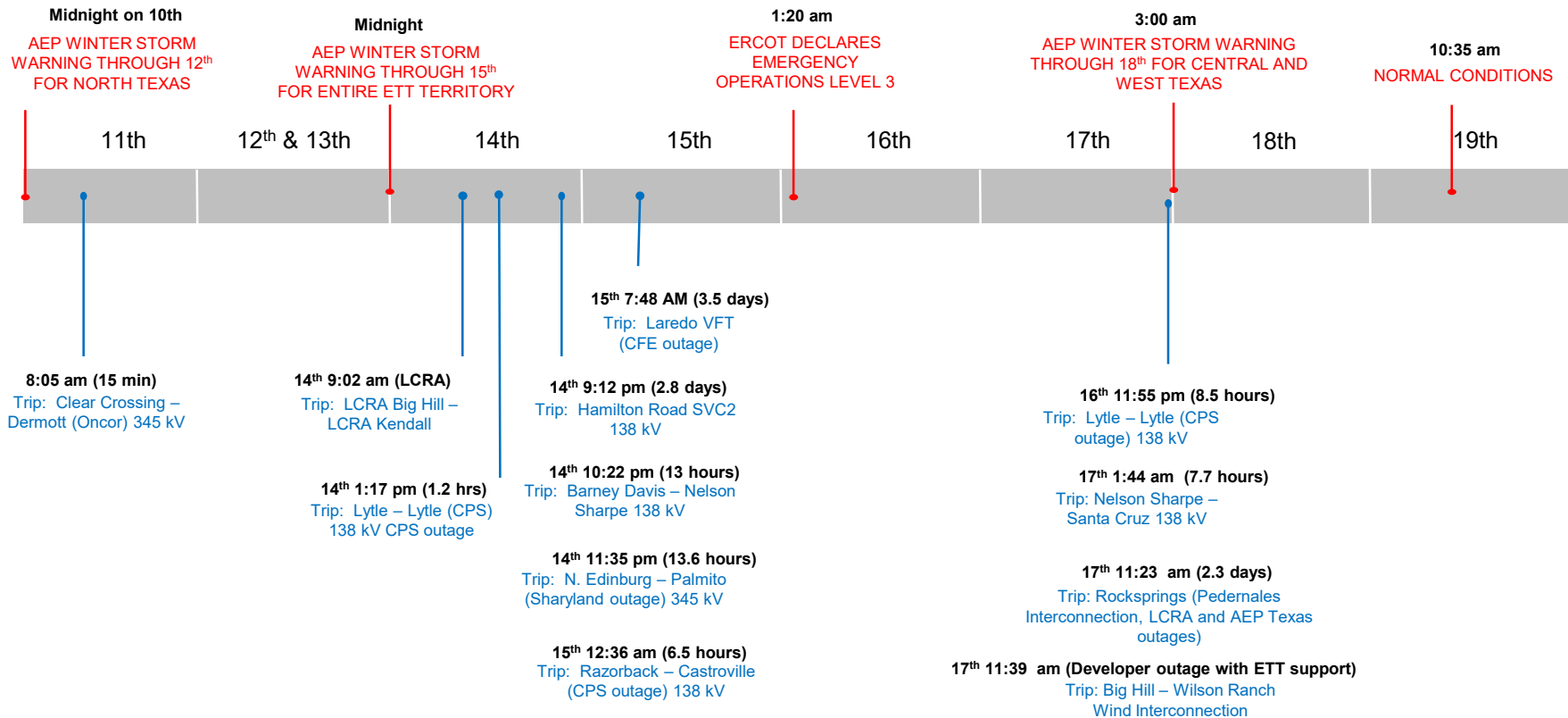
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# Agenda

1. Brief Timeline of Winter Storm Uri ETT Outages
2. Current CREZ Outage Schedule
3. Current Productivity
4. Other Discussion Items
5. Questions

# Timeline of ETT Asset Outages

All 345kV lines returned to service prior to Feb 11<sup>th</sup>



# CREZ Facilities

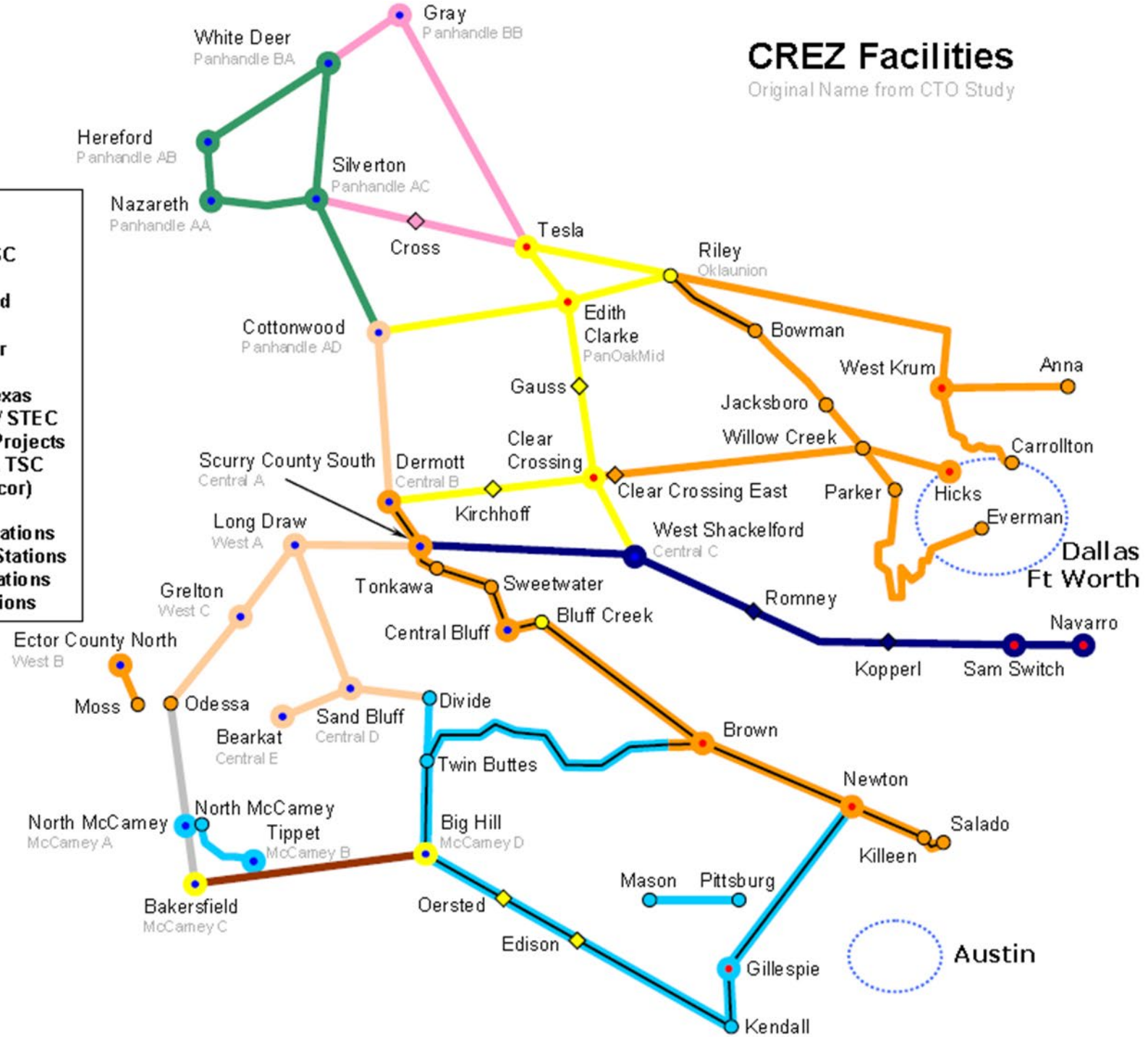
Original Name from CTO Study

## TRANSMISSION LINES

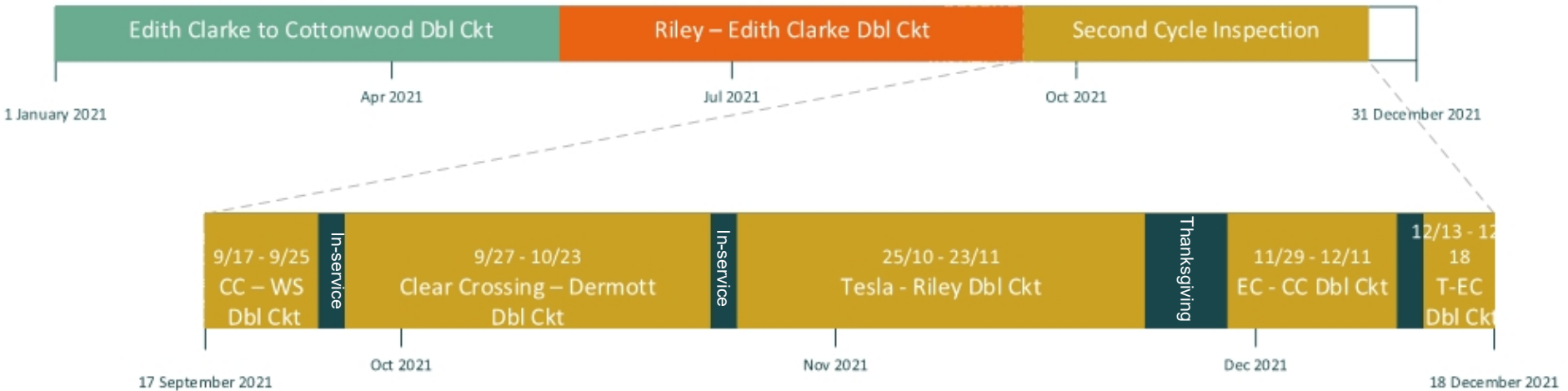
- ETT
- LCRA TSC
- Oncor
- Sharyland
- STEC
- Lone Star
- WETT
- Cross Texas
- Garland / STEC
- Priority Projects (LCRA TSC & Oncor)

## STATIONS

- Collection Stations
- New 345 kV Stations
- ◆ Capacitor Stations
- Existing Stations



# Current Schedule

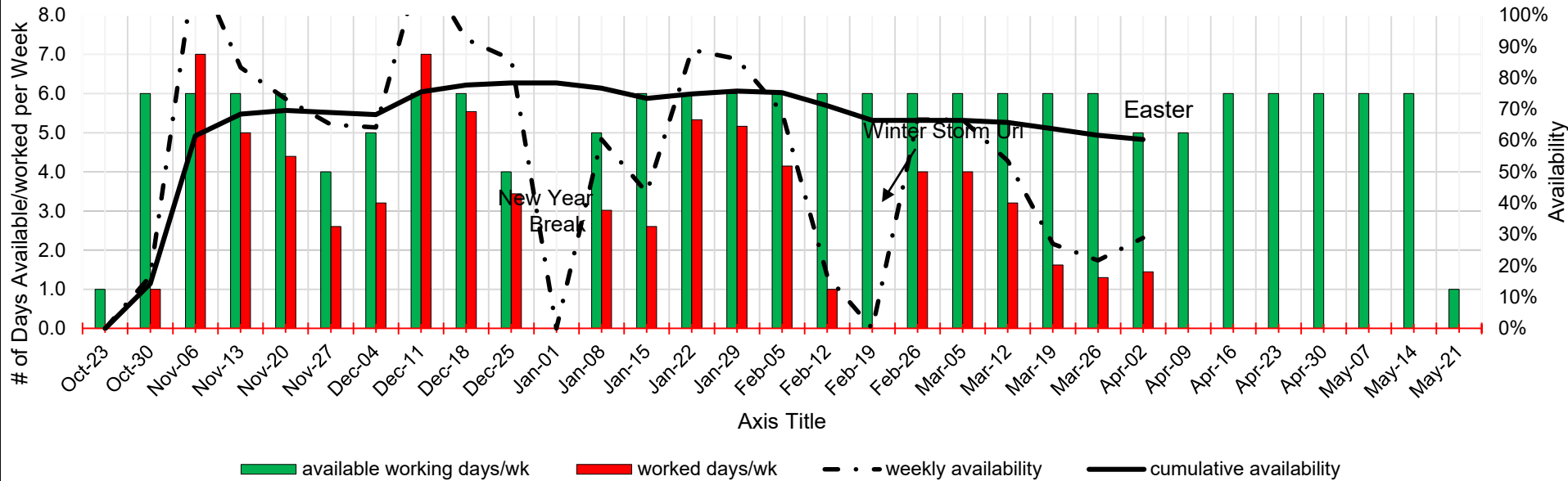


CC – Clear Crossing  
 WS – West Shakelford  
 EC – Edith Clarke  
 T – Tesla

\*Edith Clarke – Clear Crossing outages are bifurcated to allow generation output during inspections

# Current Productivity

Edith Clark - Cottonwood Outage: Overall Availability  
OCT 23, 2020 - MAY 16, 2021



# Other Discussion Items

- 2022 and Beyond Tentative Plan
- Additional Capacity Efforts
  - Network upgrades for GTC's (all economic)
  - New technology to reduce impedance, congestion, other issues
- Accountability issues to address in Texas
  - Winterization certification/planning/additional work
  - Storm quick response performance plan
  - Transmission line availability (99.95%)
    - $1.00 - [(\text{hours out} \times \text{miles}) / (1852 \text{ circuit miles} \times 8760 \text{ hrs})]$