

### Omicron Reliability Project

PRESENTED BY:

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# **Agenda**



- PROJECT OVERVIEW
- PROJECT NEED
- RECOMMENDED PROJECT

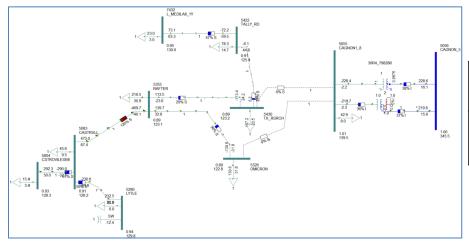
### PROJECT OVERVIEW



- Tier-2 Project CCN Required
- Driven by new large loads and system growth in west part of San Antonio, Cost Estimate: \$42.5M
- Need By: Summer Peak 2027
- New ~5-mile 138 kV transmission line section.
- New ~14-mile 138 kV transmission line.
- Upgrade one 138 kV transmission line.

#### **PROJECT NEED**





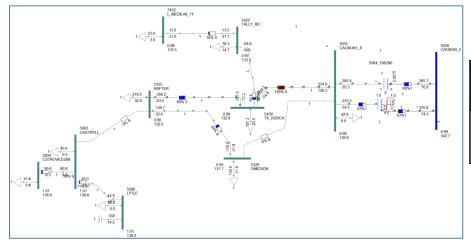
# Overloads under contingency conditions

Contingency	Monitored	Rating	2027 Summer	2029 Summer
Type	Element	MVA	Peak (%) *	Peak (%) *
P7/ERCOT1 Common Twr	Castroville to Rafter	441	120	

<sup>\*</sup>Overloads defined greater than 100% of circuit rating

#### **PROJECT NEED**





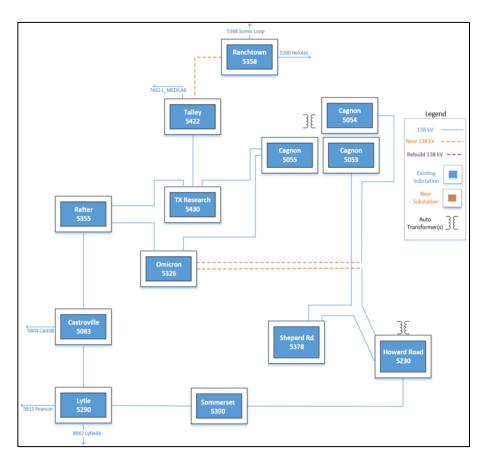
## Overloads under contingency conditions

Contingency	Monitored	Rating	2027 Summer	2029 Summer
Type	Element	MVA	Peak (%) *	Peak (%) *
P6 Double Elements	Cagnon to Tx Research	441	126	132

<sup>\*</sup>Overloads defined greater than 100% of circuit rating

#### RECOMMENDED PROJECT





- Looping the CPS Energy-owned Cagnon to Howard 138 kV transmission line into the new CPS Energy-owned Omicron 138 kV substation.
- Construct an approximate 14.3 mile 138 kV Tally to Ranchtown138kV transmission line
- Rebuild (1.7 miles) Leon Creek to Pearsal 138 kV transmission line.(Not Shown)



## Thank You