



TAWAKONI AREA TRANSMISSION (TAT)

- RPG SUBMITTAL

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OVERVIEW

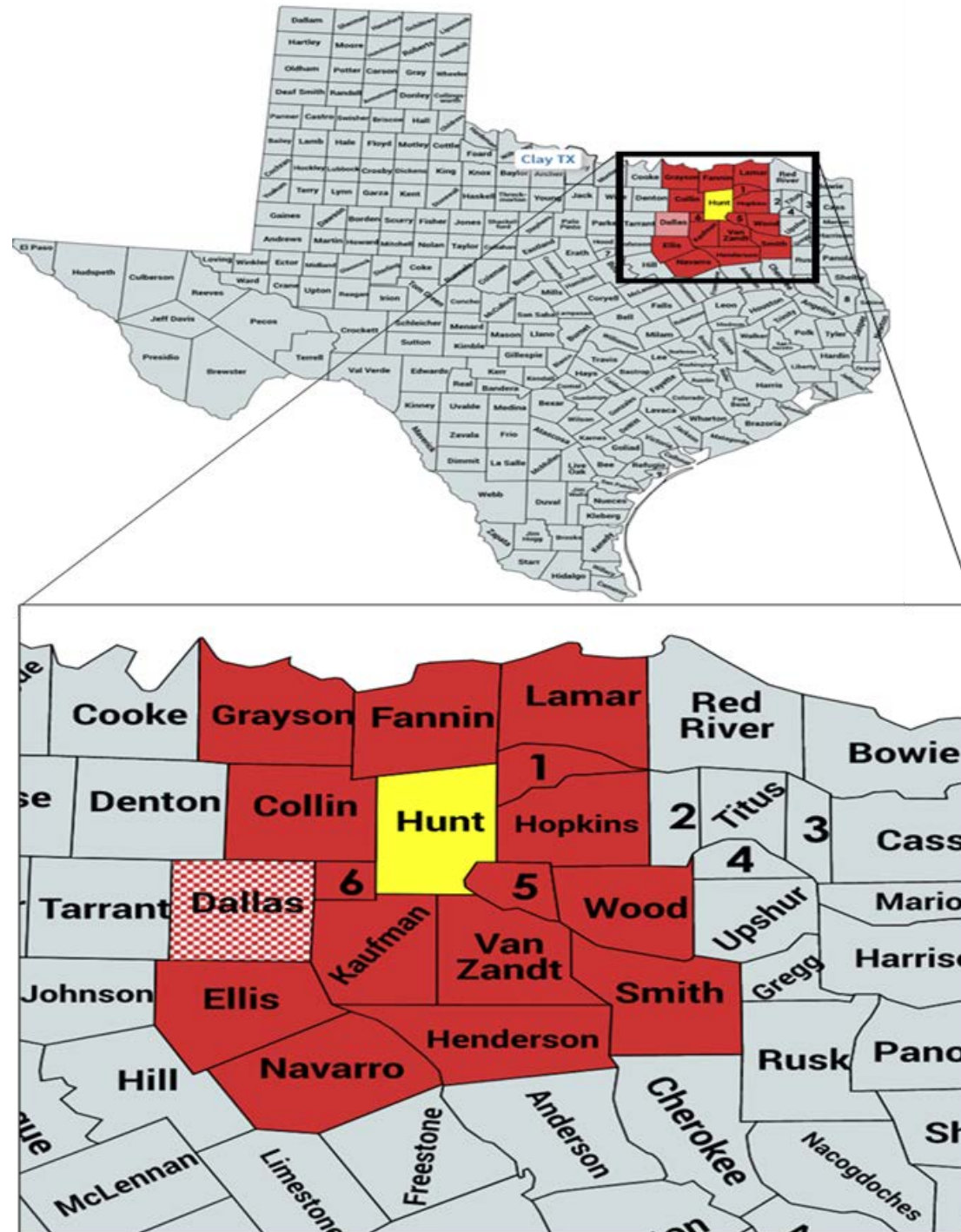
- This proposal is to interconnect two radial systems:
 - Kiowa Substation (w/ 17 mi radial T-Line)
 - Quinlan Substation (w/ 3.5 mi radial T-Line)
- Provides electric security for:
 - 90 MW winter peak
- Improves transmission system reliability, enhance public safety and availability of five substations to withstand extreme weather conditions
- Provides for future expansion



TAT project is in Northeast Texas

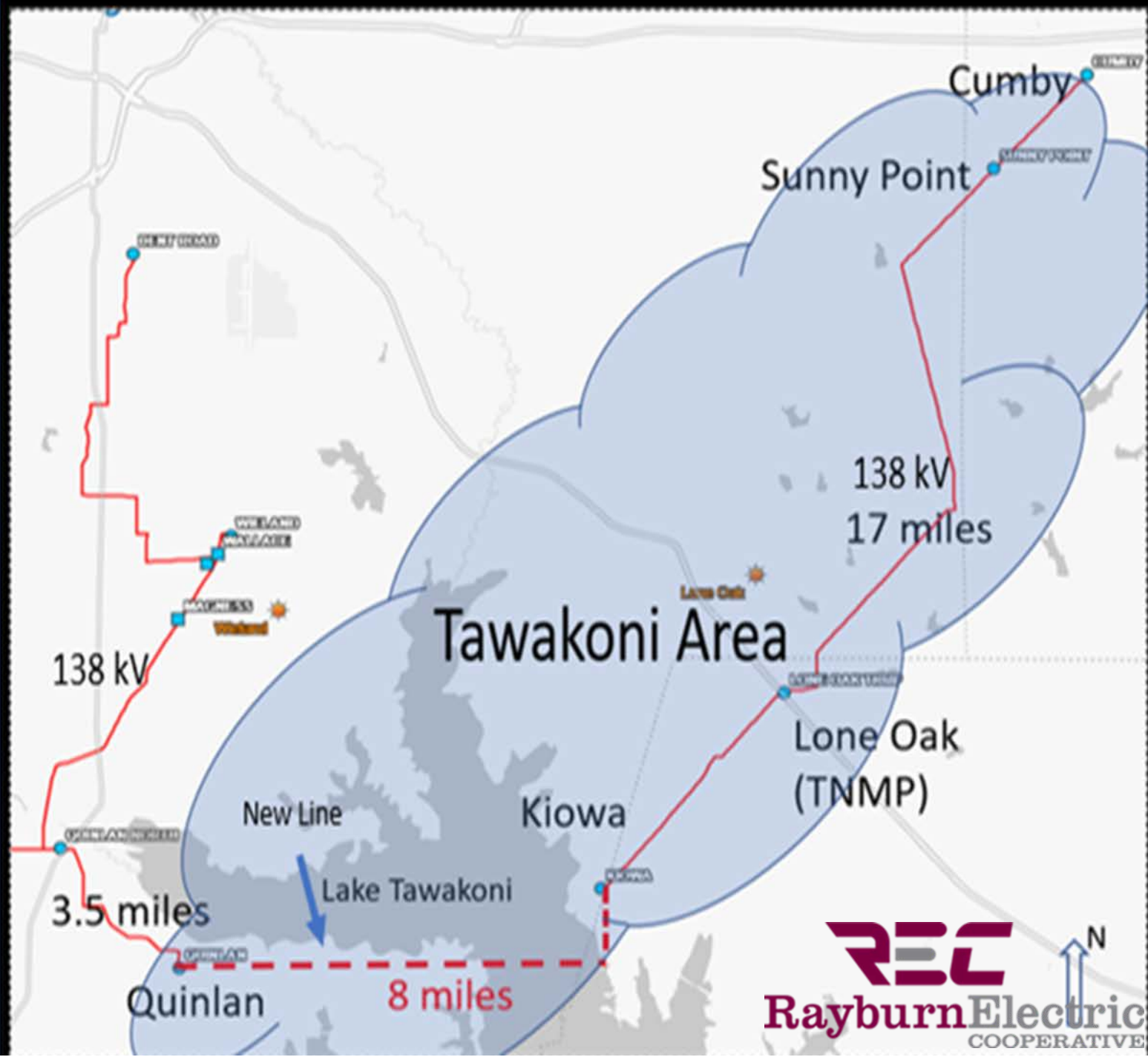
Local TSP
include:

- * REC
- * ONCOR
- * TNMP
- * GPL/TMPA



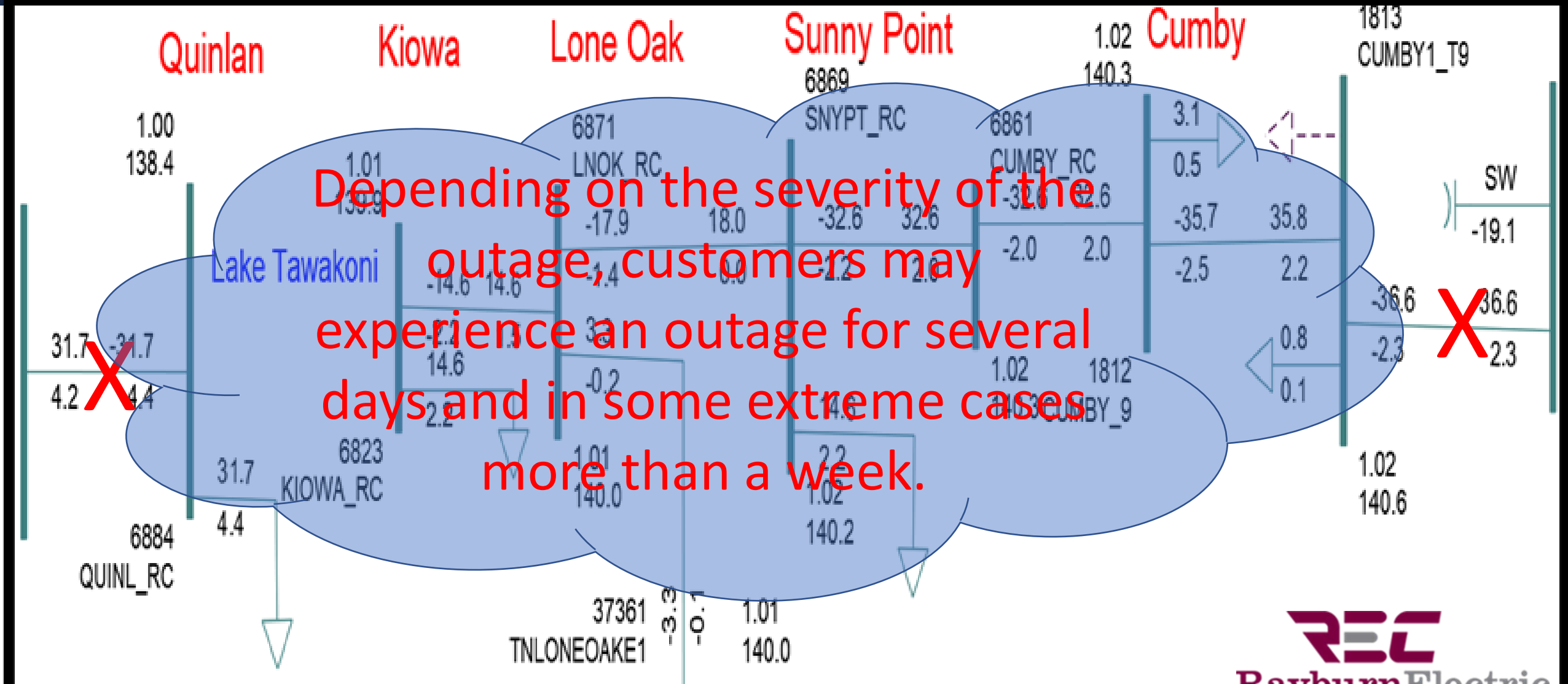
Tawakoni Area

- Quinlan
- Kiowa
- Lone Oak
- Sunny Point
- Cumby



Purpose and Need Statement

Depending on the severity of the outage, customers may experience an outage for several days and in some extreme cases more than a week.



Recommendation

The TAT project Includes:

- Quinlan 138 kV Substation Upgrades
- Kiowa 138kV Substation Upgrades
- Quinlan – Kiowa 138kV Transmission Line
- Cumby-Cumby Tap 138 kV line (Oncor)

Classified as Tier 2

CCN requirement

Total Cost: 27.5 M

In-Service-Date: June 2024

TAT-New Line

Quinlan

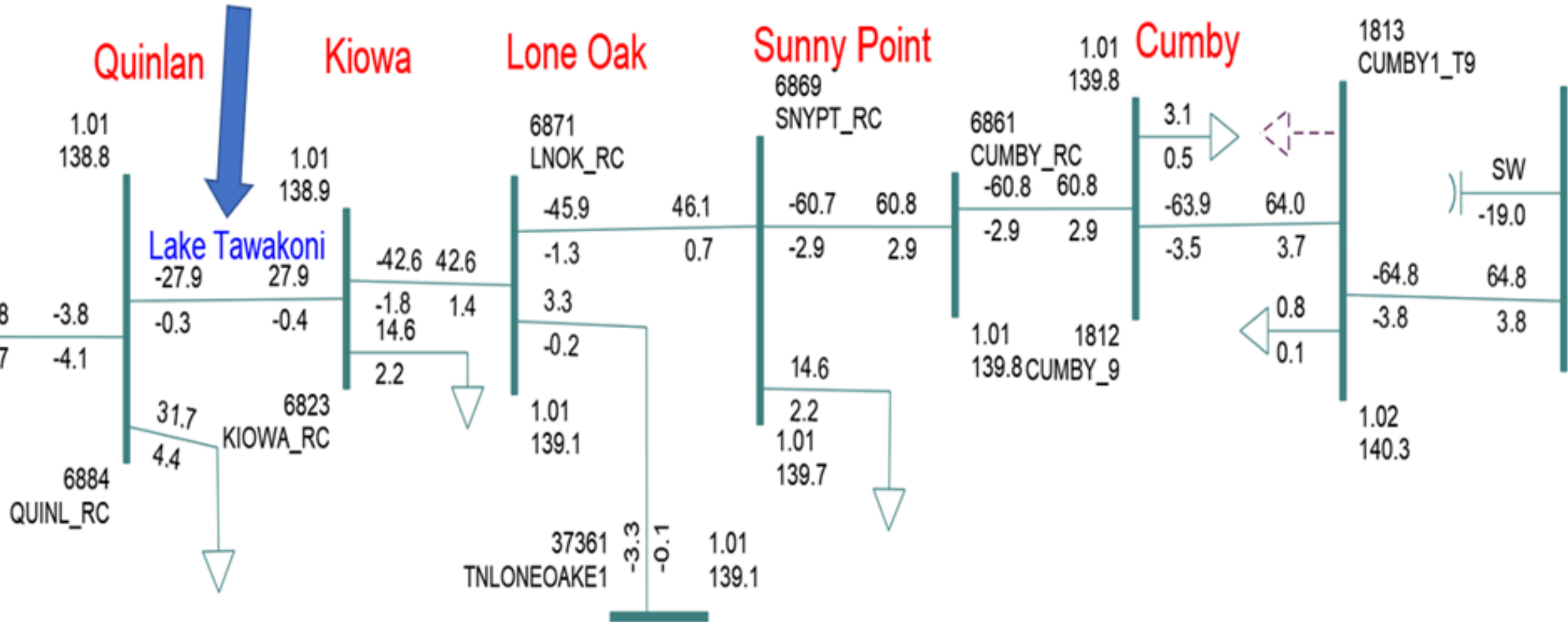
Kiowa

Lone Oak

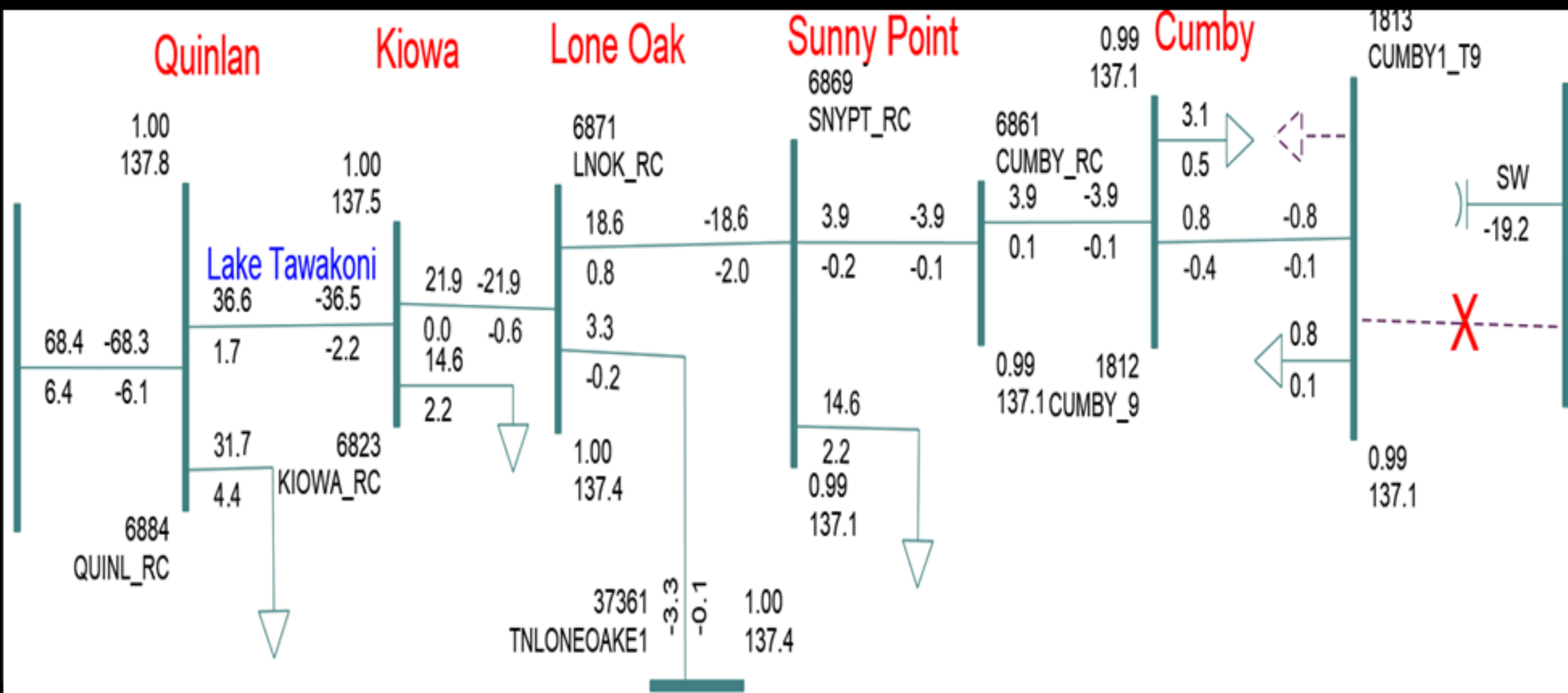
Sunny Point

Cumby

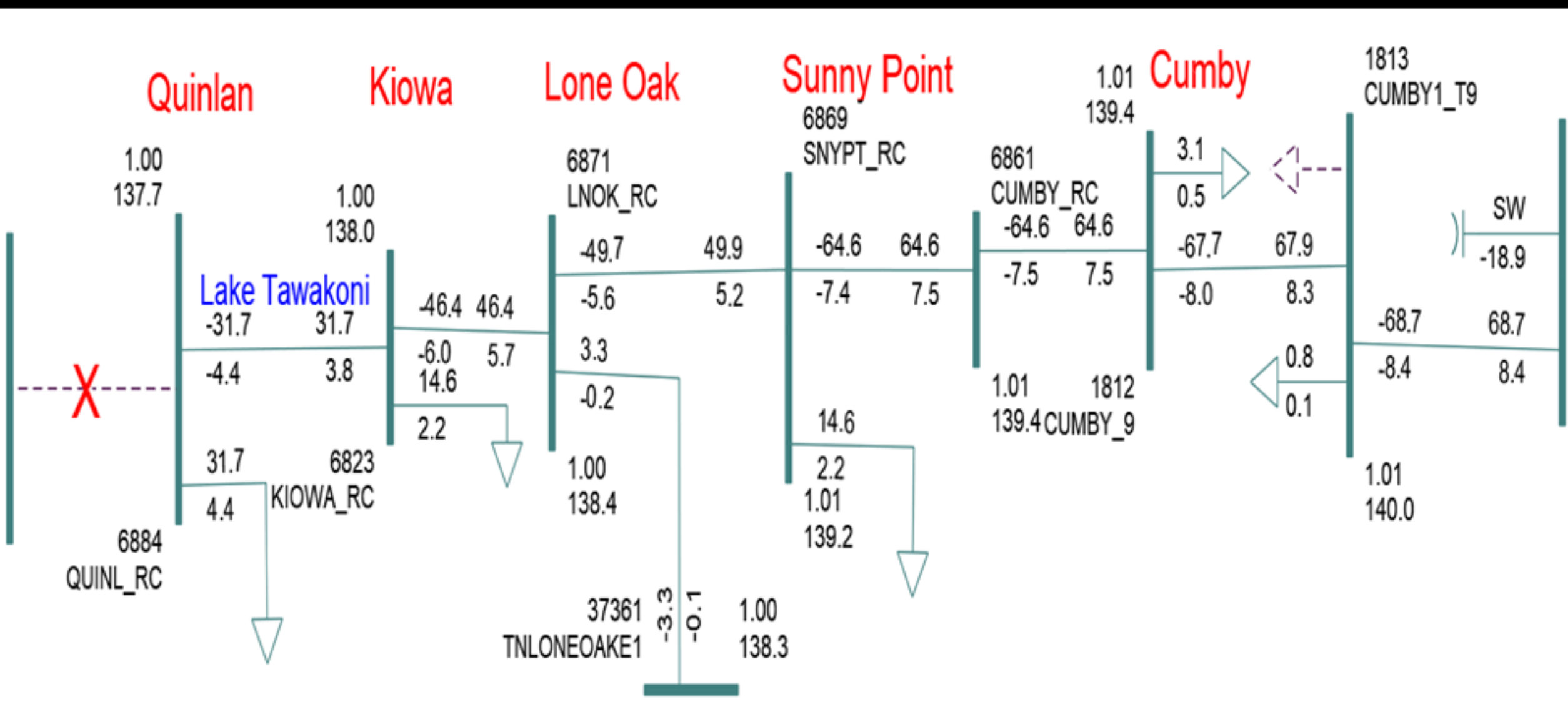
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CUMBY1_T9



Summer Peak (SP2024) case with TAT project



SP2024 TAT Project with East tie Outage



SP2024 TAT Project with West tie outage



RayburnElectric
COOPERATIVE