# 2018 & 22 Draft LCR Study Results Humboldt Area

Irina Green

Senior Advisor, Regional Transmission North

Stakeholder Meeting

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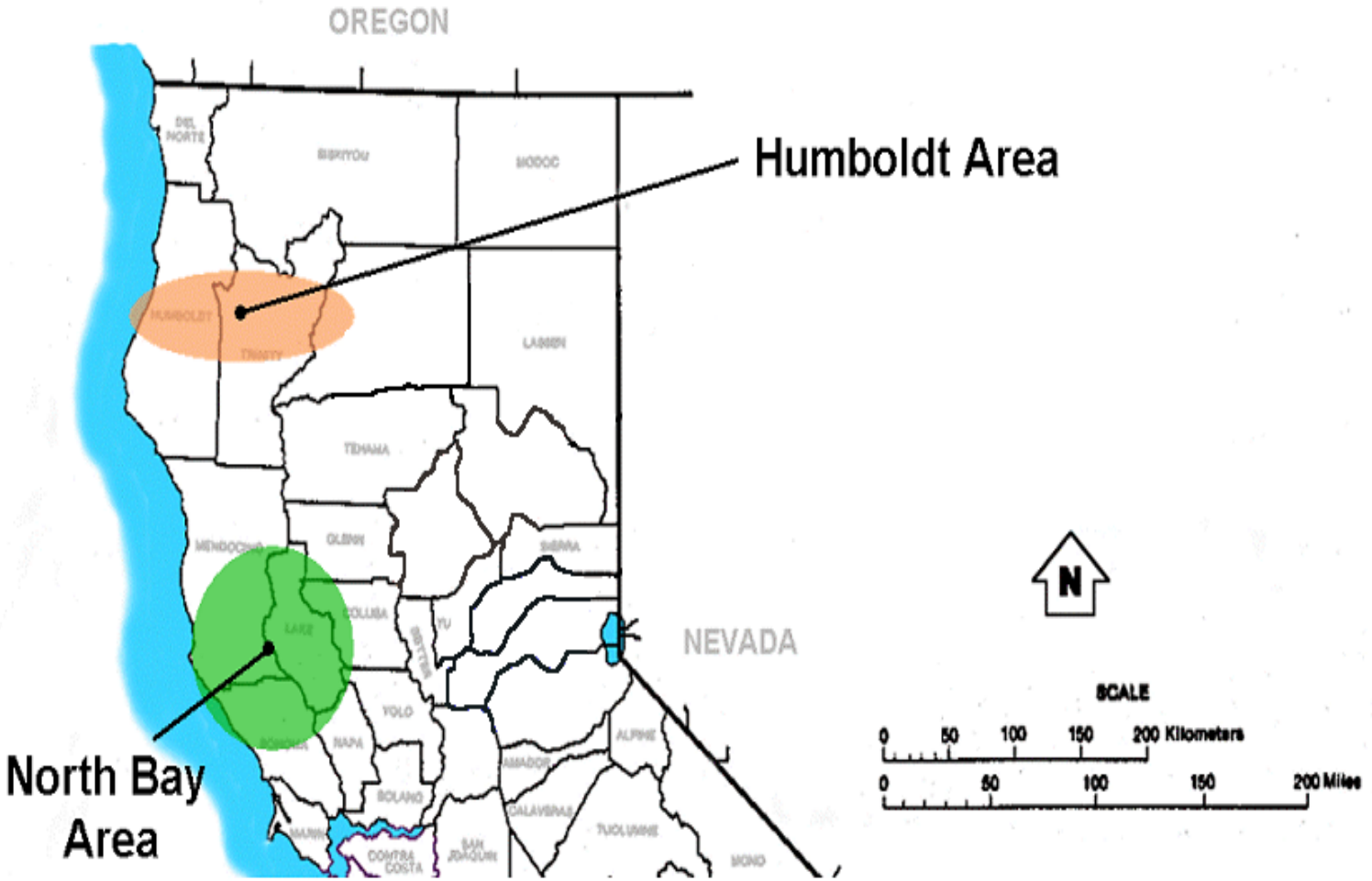
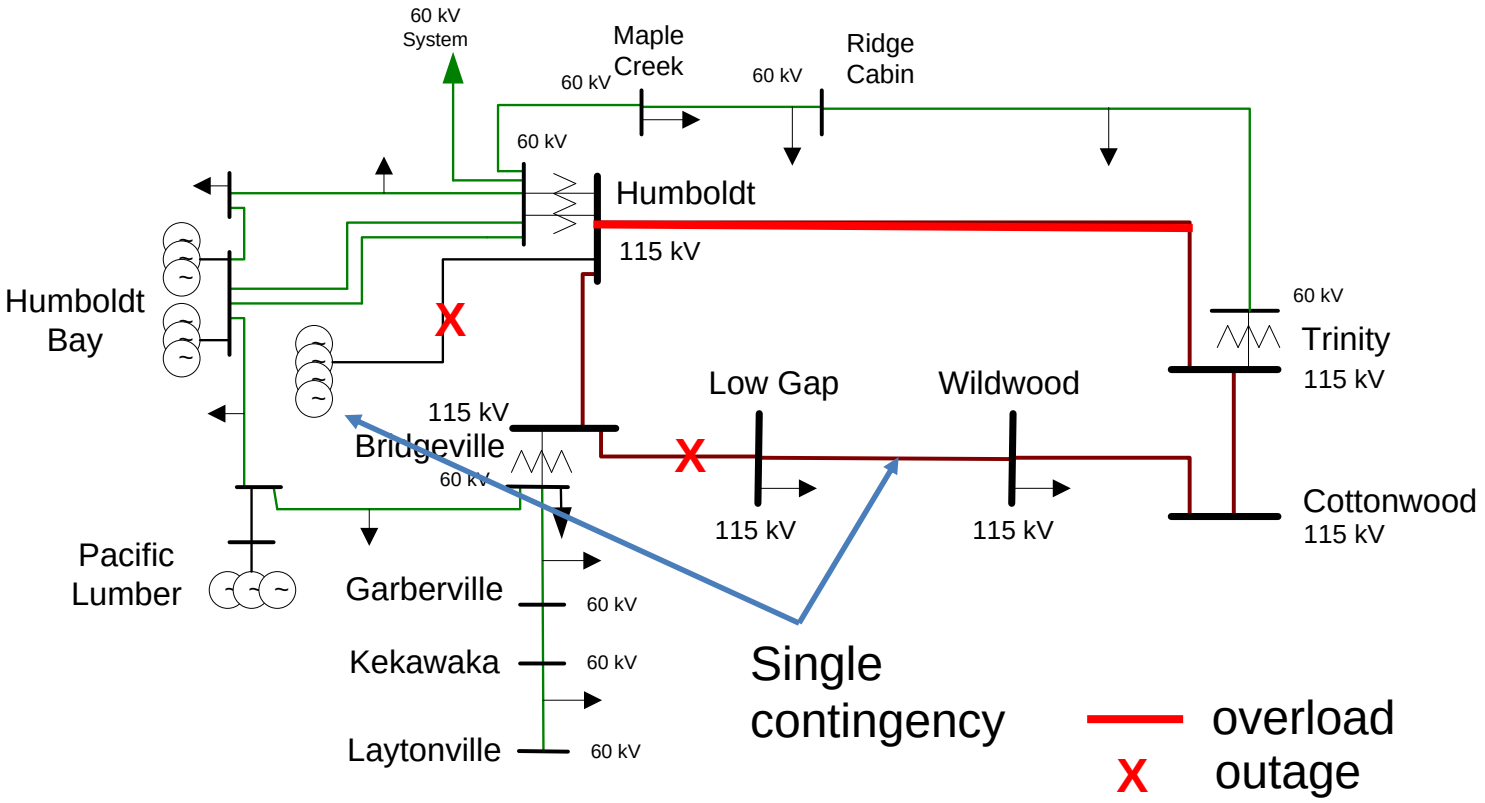
# Humboldt and North Coast/North Bay



# Humboldt Load and Resources (MW)

| | | 2018 | 2022 |
|---|---|---|---|
| Load | = | 184 | 196 |
| AAEE | = | -8 | -17 |
| Transmission Losses | = | 11 | 11 |
| Total Load | = | **187** | **190** |
| | | | |
| Market Generation | = | 210 | 210 |
| QF/Self-Gen Generation | = | 20 | 20 |
| Total Qualifying Capacity | = | **230** | **230** |

# Critical Contingencies
# Humboldt Area



# Critical Contingencies Humboldt Area

## Humboldt Overall – Single Contingency Winter Peak

Contingency: Cottonwood-Bridgeville 115 kV line + one Humboldt PP units out of service
Limiting component: Thermal overload on Humboldt -Trinity 115 kV line
2018 LCR Need: 121 MW (including 20 MW of QF/Self generation)
2022 LCR Need: 121 MW (including 20 MW of QF/Self generation)

## Humboldt Overall – Double Contingencies Winter Peak

Contingency: Cottonwood – Bridgeville 115 kV line + Humboldt – Humboldt Bay 115kV line
Limiting component: Thermal overload on Humboldt -Trinity 115 kV line
2018 LCR need: 169 MW (including 20 MW of QF/Self generation)
2022 LCR need: 169 MW (including 20 MW of QF/Self generation)

# Changes

**Since last year:**

1) Load went down by 1 MW in 2018 compared with 2017
2) LCR need increased by 12 MW in 2018 compared to 2017 due to different limiting contingency.
3) Load went down by 5 MW in 2022 compared with 2021
4) LCR need remained the same in 2022 compared to 2021.

**Your comments and questions are welcomed**

**Please send written comments to:**
**RegionalTransmission@caiso.com**