



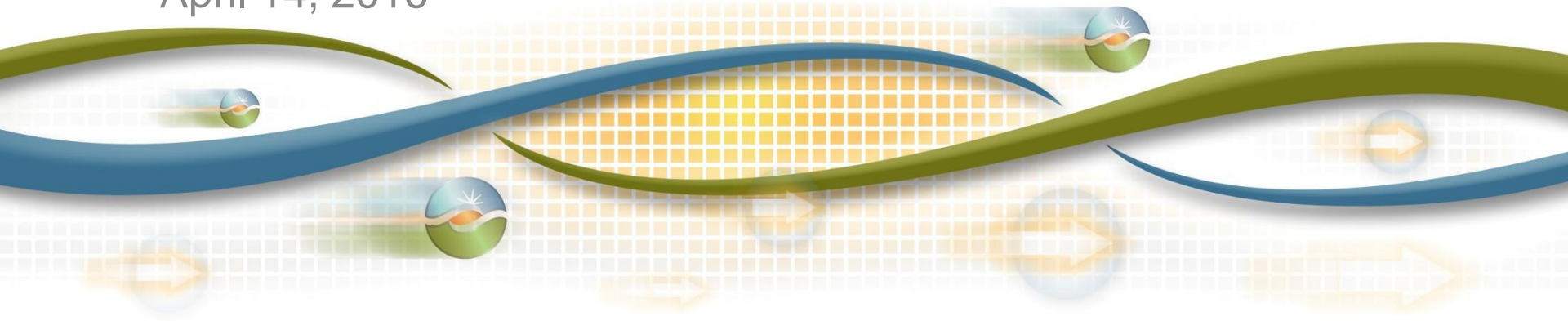
2017 Final LCR Study Results Humboldt

Rajeev Annaluru

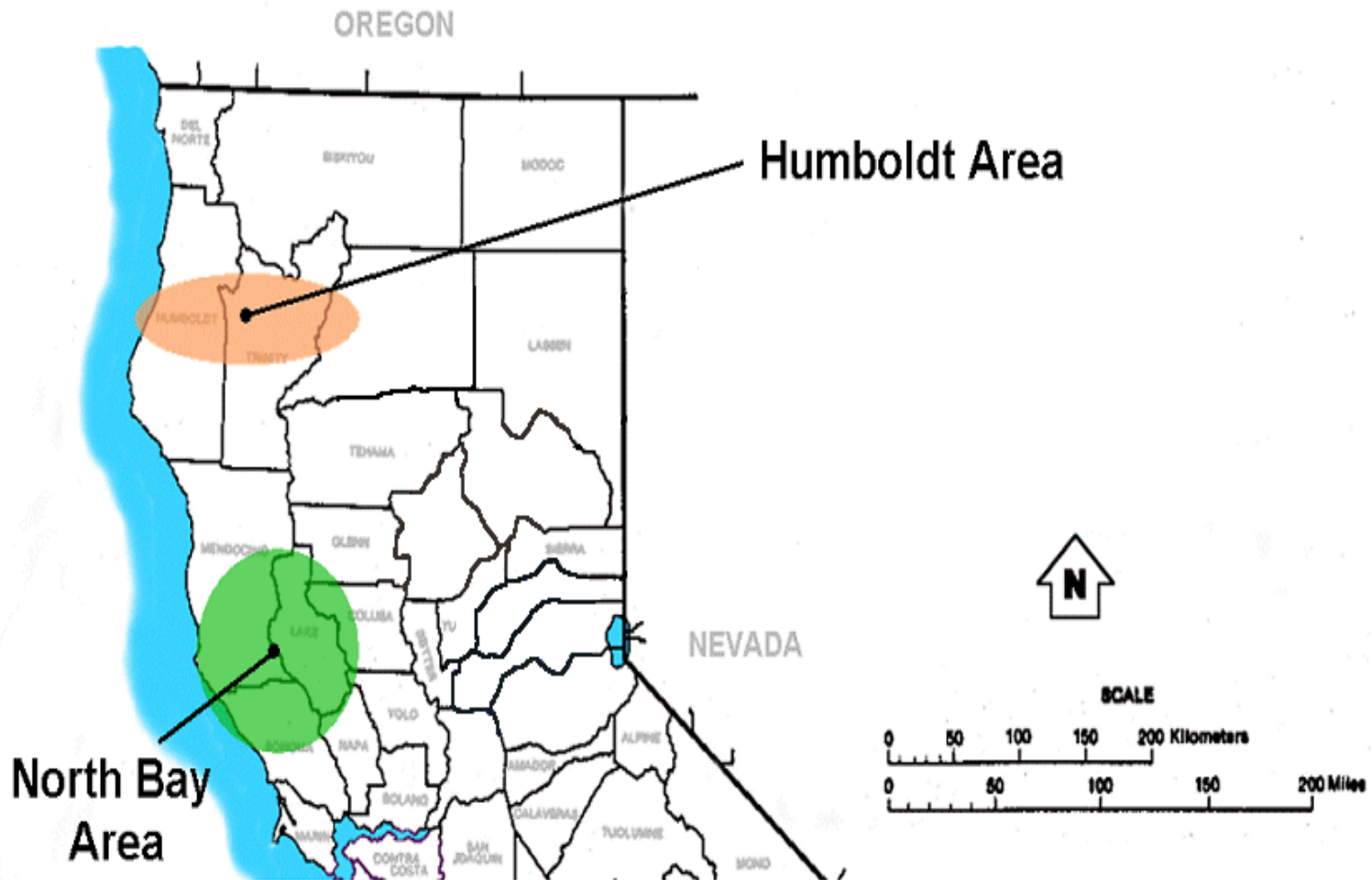
Senior Regional Transmission Engineer

Stakeholder Call

April 14, 2016



Humboldt and North Coast/North Bay



Humboldt Load and Resources (MW)

2017

Load = 185

AAEE = -7

Transmission Losses = 10

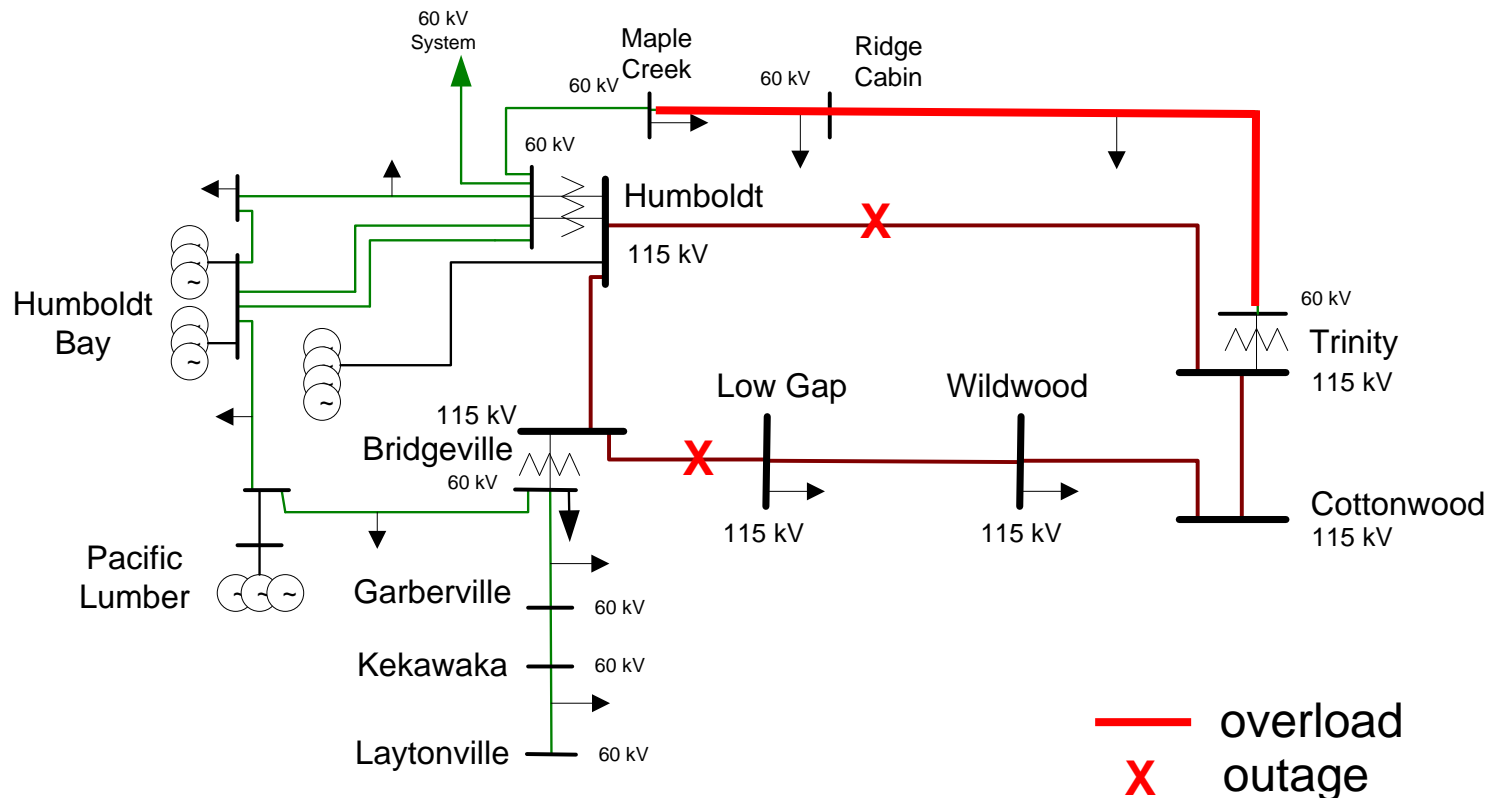
Total Load = **188**

Market Generation = 198

QF/Self-Gen Generation = 20

Total Qualifying Capacity = **218**

Critical Contingencies Humboldt Area



Critical Contingencies Humboldt Area

Humboldt Overall – Category B 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

2017 LCR Need: 110 MW (including 20 MW of QF/Self generation)

Humboldt Overall – Category C Winter Peak

Contingency: Cottonwood – Bridgeville 115 kV line + Humboldt – Trinity 115kV line

Limiting component: Thermal overload on Trinity-Maple Creek 60 kV line

2017 LCR need: 157 MW (including 20 MW of QF/Self generation)

Changes

Since last year:

- 1) Load went down by 8 MW in 2017 compared with 2016
- 2) LCR need decreased by 10 MW in 2017 compared to 2016

Since last stakeholder meeting:

- 1) Updated NQC

Your comments and questions are welcomed

Please send written comments to:
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