



2021 & 2025 Draft LCR Study Results Humboldt Area

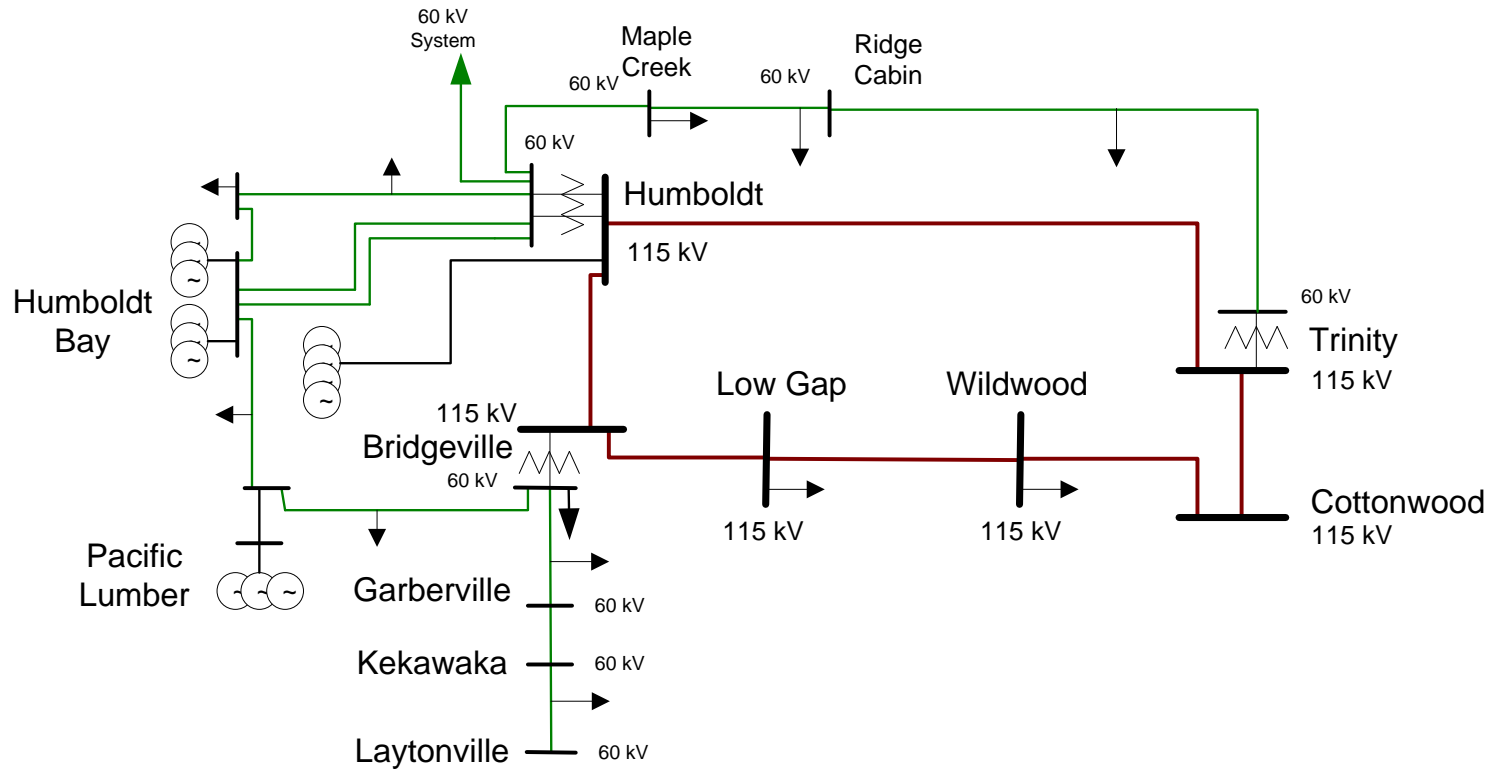
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Stakeholder Call

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Humboldt Area Transmission System



Humboldt: Load and Resources

Load (MW)	2021	2025	Generation (MW)	2021	2025
Gross Load	151	151	Market/ Net Seller	191	191
AAEE	-8	-8	Solar	0	0
Behind the meter DG	0	0	Wind	0	0
Net Load	143	143	Muni	0	0
Transmission Losses	10	10	QF	0	0
Pumps	0	0	Future preferred resource and energy storage	0	0
Load + Losses + Pumps	153	153	Total Qualifying Capacity	191	191

Topology changes

Transmission Additions:

- No new transmission additions

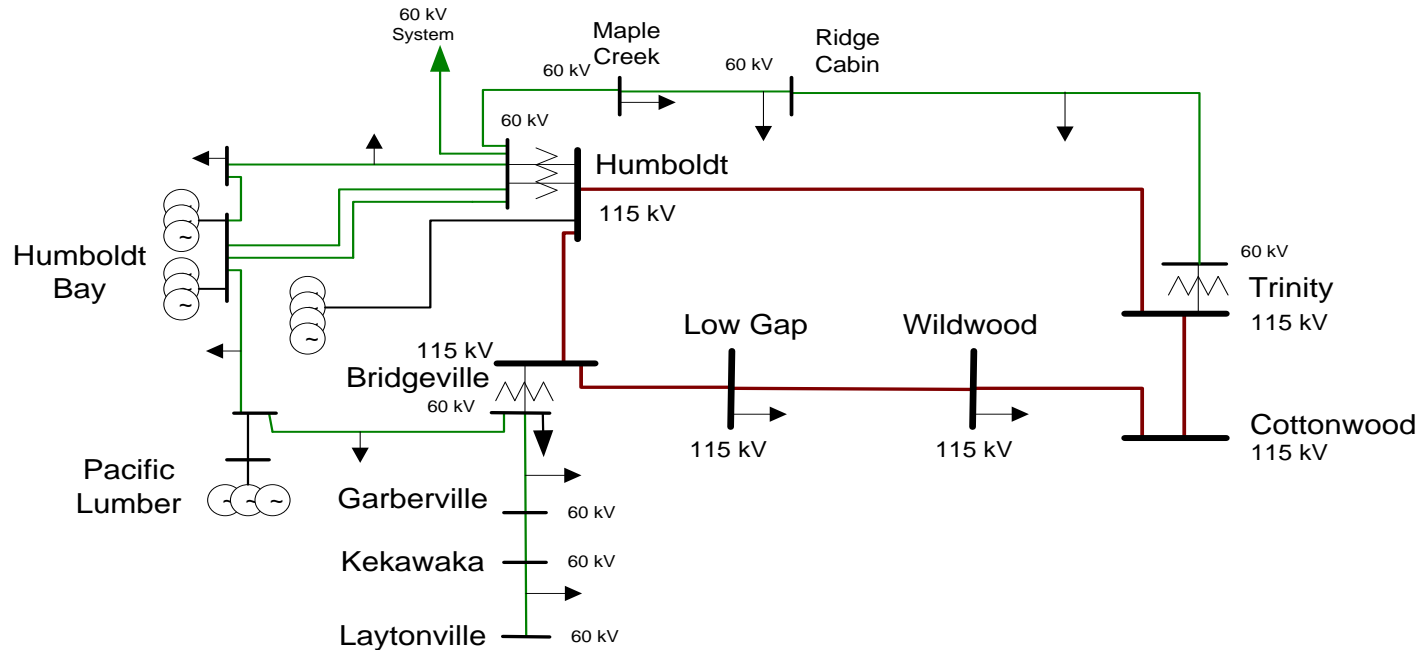
Resource Additions:

- No new resource additions

Resource Retirements:

- No new retirements

Humboldt Area : Requirements



Year	Category	Limiting Facility	Contingency	LCR (MW) (Deficiency)
2021	P6	Thermal overload on Humboldt -Trinity 115 kV line	Cottonwood – Bridgeville 115 kV line + Humboldt – Humboldt Bay 115kV line	130
2025	P6	Thermal overload on Humboldt -Trinity 115 kV line	Cottonwood – Bridgeville 115 kV line + Humboldt – Humboldt Bay 115kV line	132

Changes between years

Subarea	2020		2021	
	Load	LCR	Load	LCR
Humboldt	153	130	153	130

Subarea	2024		2025	
	Load	LCR	Load	LCR
Humboldt	153	132	153	132

- The CAISO and PG&E to continue to explore and address challenges related to winter peak load forecasting for use in local area studies.
- The results above represent the studies done last year.

Humboldt Area Total LCR Need

2021 LCR Need	Existing Generation Capacity Needed (MW)	Deficiency (MW)	Total MW Need
Category P6	130	0	130

2025 LCR Need	Existing Generation Capacity Needed (MW)	Deficiency (MW)	Total MW Need
Category P6	132	0	132