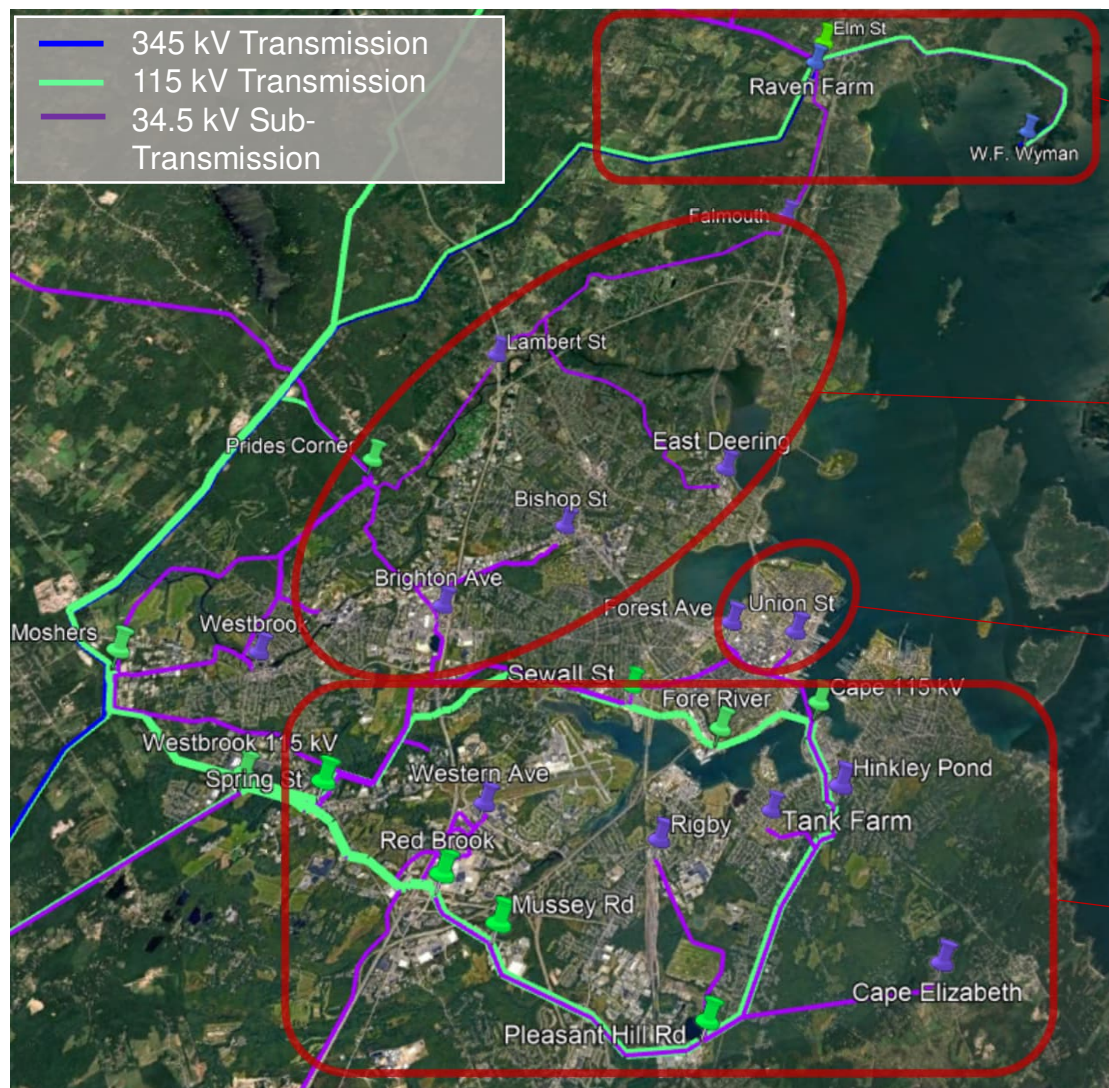


Greater Portland Study Area – Needs Summary



Yarmouth & Cumberland – Reliability concerns

- Loss of Transmission in area results in widespread power outages to 24,000 customers
- Elm Street Substation asset health concerns

Falmouth, North Deering & Westbrook – Capacity Constraints

- 34.5 kV transmission Section 180 exceeds equipment rating
- Widespread outage for single transmission outage (>25 MW, 13,000 customers)
- East Deering Substation asset health concerns

Downtown Portland Peninsula – Capacity Constraints

- Multiple underground transmission lines exceed equipment ratings
- Limited distribution capacity for future growth

South Portland, Scarborough, Westbrook – Reliability concerns

- Loss of Transmission in area results in widespread power outages to 51,000 customers
- Multiple transmission lines and transformers exceed equipment ratings