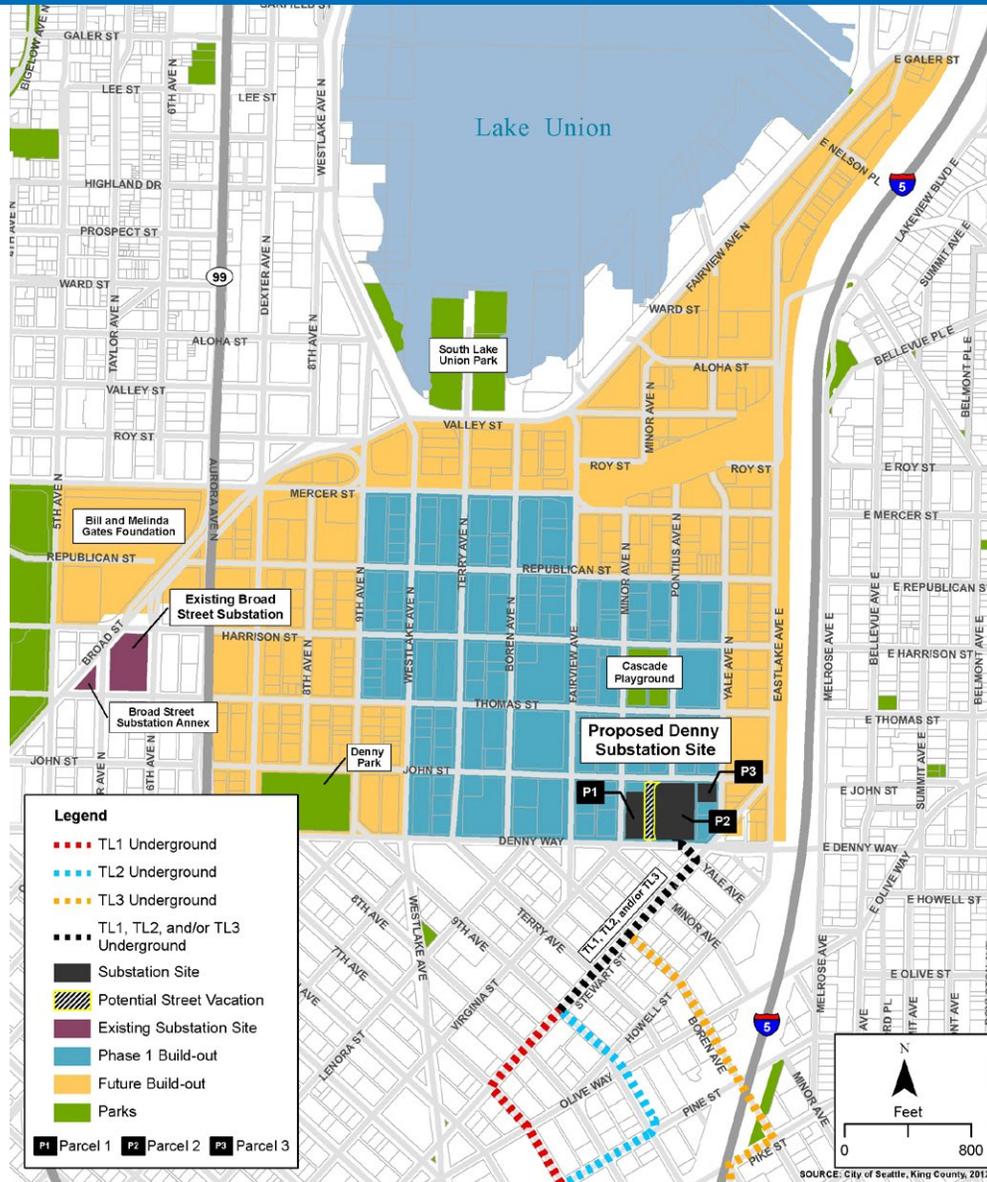


Distribution Network

DISTRIBUTION LINES = FEEDERS



Initially: Phase 1 Build-out

- 12 feeders at 13.8-kV exiting substation to the west and north serving a portion of South Lake Union
- Feeders installed underground in 2 by 4.5 feet concrete ducts placed in trenches within City street rights-of-way
- Approximately 2 months construction along a typical city block, up to 3 blocks at a time
- Customers needing network reliability would have the option to connect to the new network distribution system

Eventually: Future Build-out

- To be developed in response to customer demand

plus for radial network

- 10 feeders at 26-kV exiting substation to the northeast with service to First Hill



Broad Street Options

NEW INDUCTOR AT BROAD STREET SUBSTATION OR ANNEX

Broad Street Substation Inductor

Purpose: to prevent overloading by helping to balance the regional transmission system, two inductors are needed:

- One inside the proposed Denny Substation, **plus**
- One outside of the existing Broad Street Substation, **either**
 - » at the substation **or**
 - » at the substation annex

Features

- Security wall and fence expanded to enclose new equipment
- Concrete equipment pad approximately 15 by 20 feet
- Overall equipment height approximately 17 feet
- Inductor accompanied by a capacitor bank and switchgear at ground surface likely fed by existing overhead lines
- Some equipment also installed underground, possibly in basement approximately 50 by 20 feet and 20 feet deep



Roadway Reconfiguration

- A portion of Broad St vacated to accommodate equipment
- Broad St scheduled for permanent closure by SDOT after new north portal for the Alaskan Way Viaduct is completed by WSDOT
- Once Broad Street is closed, Taylor Ave N and Harrison St would be connected

