



*faster higher farther*

#### Back-up Power

**Canby Telephone Association** has the following back-up power capabilities:

Switches – stand alone and/or host

Switch 1 Canby CO- CBNYORXADS1 MetaSwitch VP3510: 230 KW Diesel generator, 200 gallons, can operate indefinitely with fuel refills during outage. – 48 volt DC battery backup is rated for > 8 hours continuous operation

#### Remote Central Offices

Remote Office Needy Remote- NEDYORXARS0: 50KW generator fueled with natural gas, can operate indefinitely with refueling. – 48 volt DC battery backup is rated for > 8 hours continuous operation.

#### Subscriber carrier (DLC, AFC, OPM, etc.)

Calix BLC Locations: Barlow, Haines, Dryland, Lilli, Macksburg, Mark, Whiskey Hill, Lone Elder, Carus, Eby, Redwood, Territorial, Sequoia. All have hookups for portable generators, which can be run continuously with refueling. All have -48 volt DC battery backup rated for > 8 hours continuous operation.

#### Network Interface Devices (NIDs)

**Canby Telephone Association** has 4,332 customers with metallic (copper) connections to the Central Office and their NIDs are powered from the Central Office.

**Canby Telephone Association** has 2,359 customers with non-metallic (fiber optic) connections to the Central Office. These customers' ONTs are battery powered in case of emergency. The batteries are rated to last >8 hours under continuous use.

#### Ability to reroute traffic around damaged facilities:

**Canby Telephone Association** has redundant facilities between its exchanges and its connecting company / toll tandem. This redundant facility is in the form of a SONET ring with alternate physical facilities between **Canby Telephone Association** and **CenturyLink**, its interconnection to the Public Switched Telephone Network.

#### Capability to manage traffic spikes resulting from emergency situations

**Canby Telephone Association** has 6,691 customers with current switching capacity of 112,000 simultaneous calls, and transport capacity for 4,704 simultaneous calls. **Canby Telephone Association** takes no responsibility for the capabilities of interconnected networks to manage traffic spikes resulting from emergency situations.