Back-up Power

Stayton Cooperative Telephone Company has the following back-up power capabilities:

Switches – stand alone and/or host

Stayton Switch	Battery backup – 13 hours Emergency generator – Diesel 180K, 600 gallons, 40 hours

Remote Central Offices

Sublimity	Battery backup – 6 hours Emergency generator – Diesel 150K, 80 gallons, 10 hours
Marion	Battery backup – 8 hours Emergency generator – Diesel 135K, 250 gallons, 20 hours

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

All carrier locations are provisioned with battery backup of at least 8 hours of functionality. Portable generators are on hand, in case of prolonged outages, that are capable of keeping systems in operation.

Network Interface Devices (NIDs)

Customers with metallic (copper) connections are provisioned with NIDs that are powered from the Central Office.

Customers with non-metallic (fiber optic) connections are provisioned with NIDs that are battery powered in case of emergency. The batteries are rated to last 8 to 10 hours.

Ability to reroute traffic around damaged facilities:

Stayton Cooperative Telephone Company has redundant facilities connecting its exchange to the Public Switched Telephone Network. This redundant facility is in the form of a SONET ring with alternate physical facilities between Stayton Cooperative Telephone Company, Frontier Communications and CenturyLink, Inc., its interconnection to the Public Switched Telephone Network.

Capability to manage traffic spikes resulting from emergency situations

Stayton Cooperative Telephone Company has approximately 4,300 lines, switching capacity to handle all lines and transport capacity to handle approximately 2,000 outgoing calls. Stayton Cooperative Telephone Company takes no responsibility for the capabilities of interconnected networks to manage traffic spikes resulting from emergency situations, but will continue its best efforts for its networks during such events.