

## **COMPANY Network Relay Expectations**

Relays make up the physical infrastructure of networks. They do the work of transmitting data across town and getting internet access from gateways to subscribers. Relays can come in many shapes and sizes. A few common examples:

- A smaller relay that might only be connected to one other subscriber using a second CPE, helping their neighbor get access while making a little money.
- A network of users who are both subscribers and relays, where every house has several links to other nearby houses. In this type of network routing protocol balances data flows over all available links. Nodes switch from buying to selling bandwidth from second to second.
- A relay that uses sector antennas to connect to up to 50 subscribers. Sector antennas have a wider beam width and are designed to have a lot of CPEs connected to them.
- A relay that uses a faster point to point antenna to connect to another relay which is connected to a lot of subscribers.
- A relay that is in an apartment building, selling bandwidth to tenants over the building's wiring.
- A relay that is selling bandwidth to a neighbor over an outdoor ethernet cable.

### **Relay Policy: Members who perform the relay function are expected to:**

1. Maintain constant electricity to the antennas and routers.
2. Maintain a balance on their routers.
3. Make a best effort to be responsive to calls or text messages from the co-op management.
4. Give 30 days notice if they expect to move, remodel, or relocate the equipment.
5. Contact management if there is damage to the equipment or it's not working.
6. Allow reasonable access to equipment during the hours of 8am and 9pm for the purpose of maintenance and repair. If preferred, an outdoor location for the electronics can be recommended so that indoor access is not required.
7. Leave remote access enabled to the router at all times.

**This network Will:**

1. Assist member in the maintenance, management and repair of all equipment.
2. Make a best effort to contact 30 minutes before any emergency repairs, and 2 hours before maintenance.
3. Ensure safety and performance of equipment.

**Harmless:** Relay agrees to hold COMPANY harmless from claims arising from the installation, use, maintenance, repair or removal of the Communications Facility, except for claims arising from the negligence or intentional acts of COMPANY, its employees, agents or independent contractors.