1. Transmission Line – Large amounts of electricity are transported on high-voltage transmission lines to local substations. Duke Energy’s transmission lines extend throughout our service territories, and also connect our utilities with surrounding electric utilities to promote greater reliability of the regional grid systems.

2. Substation – Convert the transmission line voltage to lower levels that are appropriate for use in local communities. Substations also control the flow of electricity and protect the lines and equipment from damage.

3. Transmission Tower – Structure that supports the transmission line conductor (wire). Most of the existing lattice towers will be replaced with steel monopoles (single poles).

4. Access Point – Specific access points are established for trucks and other vehicles that will construct, operate and maintain the line.

5. Temporary Line – To ensure continuous service, a temporary line will be built next to the existing line, within the easement. The temporary line will be in place for approximately one year and will be removed at the end of the project.

6. Easement – An agreement allowing Duke Energy the right to use, access or transit a piece of property to construct, operate or maintain power lines and equipment.

7. Encroachment – All encroachments such as swing sets, sheds and other personal property stored in the utility easement, will need to be removed before construction to allow safe and unobstructed access.

8. Vegetation – Trees and vegetation planted within easement prevent safe and reliable operation of the system and must be removed. Some trees planted outside of the easement may also pose a threat.

Contact Information

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