

## Network Connectivity

Having an accurate, traceable model of your electrical network is fundamental to improving responsiveness and reliability—especially when it comes to outage management. Osmose® will conduct a network connectivity audit that establishes the accurate electrical model you need.

A professional network connectivity survey from Osmose consists of field-collecting data on a circuit basis and using that data to build a connected model of the distribution network. To gather data for network connectivity, Osmose technicians link substations in a connected model to either transformers or meters. At a minimum, this model also includes conductors, devices, and structures. Customer source data for a network connectivity project can consist of pole databases, GIS network databases, transformer load data, CIS data, and/or paper maps.

### Osmose Differentiators

What makes an Osmose Network Connectivity Survey different from others?

- o A validation process that provides a configurable, automated method of detecting closed loops, dead spans, and phasing mismatches—the result is a validated, connected model
- o Automated and manual QC performed throughout the project on data at every processing stage
- o Trained, nationally deployed field staff—ability to mobilize and train crews quickly
- o In-the-field validations built into Osmose’s field-collection software, FastGate® Mobile
- o ANSI standard quality control process enabled with FastGate Mobile
- o Ability to integrate data from various existing sources and deploy that data in the field for validation and enhancement
- o Ability to return spatial or relational data into a utility’s GIS, engineering, or other data repository
- o Ability to handle data sets of any size, from targeted network regions to full service territories

### Why Do You Need Network Connectivity?

You should consider performing a network connectivity survey if:

- o You are deploying a GIS for the first time and want to ensure your network is accurately modeled and traceable
- o You are combining GIS data for merged utilities and want the combined data to be accurate
- o Your data needs to be updated, validated, and/or enhanced
- o You want to improve the efficiency of the following operations systems:
  - Outage Management
  - Engineering Analysis
  - Load Management
  - Planning and Design

