

## SOLUTION OVERVIEW

# METER-TO-TURNFORMER CONNECTIVITY MAPPING

Silver Spring's Operations Optimizer solution harnesses powerful data analytics to automatically identify errors and suggest corrections to data in your connectivity model.



## HIGHLIGHTS

- » Employs powerful data analytics to automatically find errors in the meter-to-transformer connectivity model and suggest corrections
- » Cuts down on the need for time-consuming and expensive field services
- » Increases reliability of outage and maintenance information, allowing for more timely and accurate customer communication
- » Native integration with any data repository, including the SilverLink Data Platform, reducing the time and cost of implementing new use cases
- » A dynamic user interface generates reports, charts and maps, and can be taken into the field via tablet, laptop or truck mount

## Are Errors In Your Connectivity Model Costing You?

The accuracy of a utility's meter-to-transformer connectivity model is crucial for maintenance planning, outage management and outage communications. Inaccurate meter-to-transformer data results in slower outage restorations and poor communication with your customers, both of which can quickly erode customer confidence. It is estimated that between 5% and 20% of meter-to-transformer data is incorrect in utilities' systems of record. Most utilities still rely on manual, trial-and-error methods to fix errors in their connectivity models, but these methods are time-consuming and expensive. The required field services alone can cost as much as \$5 per meter, and with millions of endpoints and the potential for recurring errors, costs can quickly mount.

With Silver Spring Networks' **Operations Optimizer**, you can replace slow, manual methods with an automated system that continuously analyzes the connectivity model, identifies errors and suggests corrections. Drawing on a robust toolkit of data analytics, Operations Optimizer locates mapping errors and suggests the most likely meter-to-transformer connections. The proven accuracy of these analytic tools allows corrections to be automatically applied to the system of record.

The strength of Operations Optimizer comes from its rich library of pre-built analytical tools, assembled and refined over more than a decade of utility-specific experience. This Big Data toolkit is further enhanced by machine-learning algorithms that allow Operations Optimizer to adapt and evolve to new data over time, solving new challenges as they emerge.

Perhaps most importantly, Operations Optimizer has been proven in the field, with successful deployments at more than 30 million endpoints across a broad customer base of electric, water and gas utilities, for both AMI and AMR.

## HOW OPERATIONS OPTIMIZER HELPS YOUR ORGANIZATION:

- » Produces a more accurate meter-to-transformer connectivity model, and updates that model continuously and automatically
- » Integrates seamlessly with the SilverLink Data Platform for out-of-the-box performance
- » Provides personnel in the operations center with confidence in the connectivity model's accuracy when coordinating outage restoration activities and communicating with customers

