Capital Optimization: Undergrounding prioritization

Case study

With the E Source solution, a recent utility client performed calculations for all 16k of its undergrounding candidates in around 5 minutes.

The challenge

Transitioning existing undergrounding analysis from feeder level to device or line segment level can be challenging.

Utilities should develop a model that will rank all undergrounding candidates at the device or line segment level. And they should visualize the outputs with a dashboard.

The approach

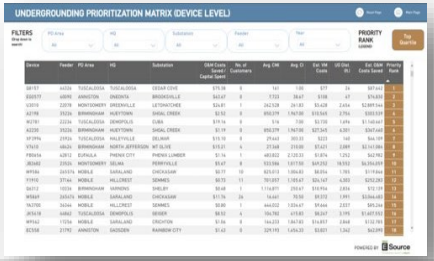
E Source's approach is to identify, evaluate, and prioritize subfeeder or device-level candidate locations for undergrounding.

By doing so, utilities can ingest and automate all collected data, including financial calculations such as total up-front cost, avoided capital, net present value (NPV), payback period, and amount saved per amount spent.

The impact

With the E Source solution, one utility client performed calculations for all 16,000 of its undergrounding candidates in less than five minutes.

The utility evaluated and ranked each candidate at the subfeeder or device level, creating a prioritized list of projects.



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