



# TROVE Asset Lifecycle Management Solver



## Situation Overview

Utility load growth is flat-to-declining in most parts of the United States. This coupled with large capital expenditures to modernize the grid and only modest customer price increases creates a tough earnings environment for utilities and has resulted in a concentrated focus on reducing O&M costs and optimizing capital expenditures.



When it comes to asset lifecycle management, TROVE sees a few recurring needs among utilities:



Reducing the wide discrepancies in actual-to-scheduled hours for similar maintenance work across regions to stay on overall budget.



Optimizing capital spend to better manage customer prices long-term.



Increasing focus on reducing O&M costs without sacrificing safety, reliability and customer satisfaction.



Reducing the impact of unplanned work with proactive approaches to non-storm and storm outages to improve safety, reliability, and stay on budget.

**All of these needs are focused on improving today's business operations and the company's bottom line while maintaining reliability with a positive impact on safety and customer satisfaction.**



## Solvers Solve Use Cases

TROVE packages its sophisticated data management and models into highly configurable solutions called Solvers to enable us to exactly meet each client's needs. Here are some of the use cases SOLVED by **TROVE's Asset Lifecycle Management Solver**:

**1**  REDUCE HOURS **50%**  SAVE MILLIONS

**Substation maintenance unitization** to reduce actual-to-scheduled hours by 50% and save millions in annual costs.

**4** REDUCE EXPENSES  **IMPROVE SAFETY** 

**Non-storm outage predictions** to proactively respond before outages occur, reducing expenses while improving safety and customer satisfaction.

**2** RISK-BASED PLACEMENT  **REDUCED COSTS** 

**Risk-based asset placement** of lightning arrestors and avian guards to significantly reduce costs compared to reinforcing the entire system over time.

**5** STORM PREDICTIONS  **DECREASED OUTAGES** 

**Storm outage predictions** to decrease the duration and costs of storm-related outages by pre-staging crews to areas of higher concentration and proactively communicating with customers.

**3** RISK-BASED REPLACEMENTS  **TIME-BASED REPLACEMENTS**

**Risk-based circuit breaker replacements** instead of time-based replacements that miss some bad circuit breakers and replace some good circuit breakers.

Interested in seeing how **TROVE's Asset Lifecycle Management Solver** and team can help make your data useful? Please contact us at [info@trovedata.com](mailto:info@trovedata.com).