

Vegetation Management: Distribution

Case study

Our utility clients typically see savings of 10% to 20%, while minimizing outages, by optimizing their vegetation work with E Source's condition-based risk approach.

The challenge

Vegetation management budgets are a significant annual expense. Utilities assume cutting back on vegetation work is an easy way to save, but they don't understand the reliability consequences.

Many variables across multiple systems contribute to vegetation-related outages. This makes traditional cadence-based maintenance less than ideal for optimizing budgets and maintaining reliability.

The approach

E Source uses AI models to predict the highest risk areas so you can prioritize the work.

We use more than 350 unique data points to build our algorithms, including:

- Work orders
- Maintenance cycles
- Location
- Operating area
- Terrain (elevation, slope, and topography)
- Satellite imagery (land cover and vegetation productivity)

The impact

Our utility clients typically see savings of 10% to 20%, while minimizing outages, by optimizing their vegetation work with E Source's condition-based risk approach.

They can also reduce targeted trim by 80%.