

# Vegetation Management: Transmission

Case study

*Using sophisticated AI models, E Source can accurately predict where, when, and why vegetation-induced outages will occur at individual sites.*

## The challenge

Transmission outages lead to noteworthy losses across the system. Using your budgets effectively is critical.

Using lidar data to identify danger trees for removal can be a daunting task.

## The approach

Using sophisticated AI models, E Source can accurately predict where, when, and why vegetation-induced outages will occur at individual sites.

Our models produce a data-driven, condition-based risk score that utilities can use for scenario planning to maximize reliability while minimizing cost.



## The impact

Our utility clients optimize the costs and benefits of vegetation work while minimizing outages by adopting our condition-based risk approach. And they can see savings of 10% to 20% with no impact on reliability.

Utilities can also augment lidar data with additional data to evaluate risk and prioritize vegetation work in specific areas. The implications of budget changes become easy to understand through scenario planning.