

CLIENT SUCCESS STORY

Using Optioneer™, this transmission developer cut early routing studies from 6 weeks to 1 day.

To meet the demands of PJM's 60-day RTEP window and ensure reliability of the transmission grid, this major transmission developer is challenging the traditional methodologies of transmission routing and siting.



Developed over 12,000 miles of transmission during the window (over 4,500 miles in one week).



Increased participation and awards across every metric.



Increased their share of the awarded portfolio by 60% over 2024 (pre-Optioneer).



THE CHALLENGE

How can a utility effectively evaluate dozens of potential solutions in a 60-day competitive project window?

Traditional methods are extremely time consuming. Developing and modifying a single route was a laborious process that could take months of expert time.

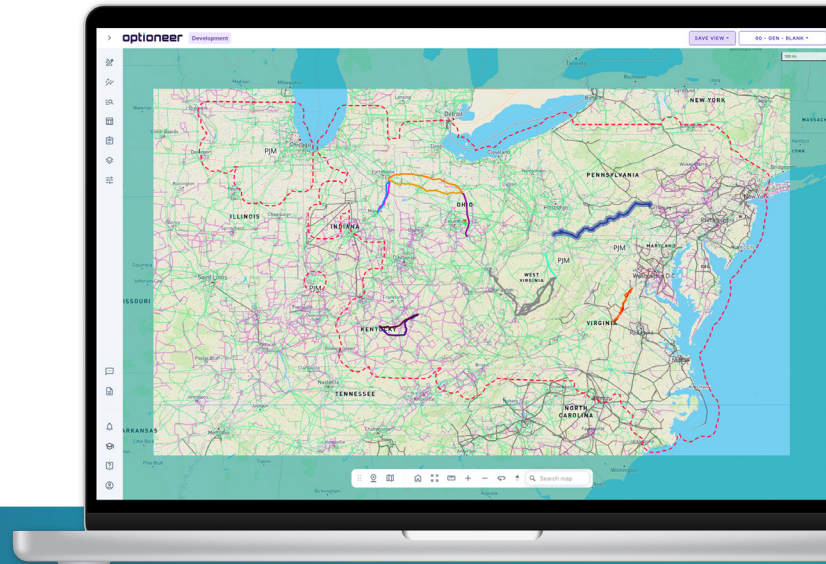
With limited data integration planners could only consider a few data layers (like terrain and major environmental zones) during each iteration. A comprehensive analysis incorporating hundreds of complex factors simultaneously was impossible.

Tedious development restricted the number of projects the utility could confidently evaluate within the tight competitive window, limiting the solutions they could propose.

THE PROCESS

The deployment objective was to allow consideration of more potential projects by completing route generation and risk analysis as fast as power flow studies could identify candidate solutions. The goal was to increase the portion of the PJM RTEP budget awarded to the customer.

Optioneer was immediately deployed for every potential project in the RTEP window and for retrospective analysis of projects currently in development.



THE RESULTS

From Months to a Day: In just one day of processing, Optioneer delivered five complete, distinct, and viable route solutions, providing the necessary insights to move the project from concept to viable bid candidate.

Validation and Confidence: The segments of these five routes matched approximately 80% of the final route the customer had painstakingly developed over months. This provided immediate and powerful validation of Optioneer's accuracy and its ability to replicate the complex logic of experienced siting professionals.

Beyond a Line on a Map: Optioneer provided a heatmap of the entire project region revealing which areas were most favorable for routing and which posed significant risk. This allowed engineers to understand the landscape as a whole and move through additional iterations with confidence.

4,500 miles of transmission developed in 5 days.

2x PJM portfolio projects awarded

1.6x PJM portfolio value awarded

Reach out today and see how Optioneer can help streamline your project planning.

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