

... CASE STUDY

# EtaPRO Supports Comprehensive Plan to Reduce Emissions and Improve Efficiencies at KCP&L

## Challenge

When Kansas City Power & Light (KCP&L) committed to reducing emissions and improving efficiencies, they began evaluating additional carbon reduction efforts on their existing fleet through efficiency improvement projects. KCP&L wanted a solution that was flexible and robust enough to work for all of their plants.

## Solution

GP Strategies'® EtaPRO™ and VirtualPlant™ performance technologies were installed to help quantify and track performance gains. EtaPRO provides plant personnel with feedback to effectively monitor incremental improvements in plant operation, giving them the ability to see lower heat rates on the screen with every improvement they make.

## Business Impact

As a direct result, their Hawthorn Generating Station saw a vast improvement in heat rates. Based upon the early success at Hawthorn and KCP&L's CO2 initiative, the company is accelerating implementation of EtaPRO to its remaining fleet of six Coal and Combined Cycle plants.



When we looked at the whole fleet, we wanted to go with the best technology available. We wanted a solution that was robust and flexible to handle all our plants, and we knew EtaPRO was the right answer.

– Kenny Luebbert,  
Principal Performance Engineer at  
KCP&L

## RESULTS

Vastly **improved** heat rates

Installation of a **virtual plant** that allows for heat rate monitoring

**Expansion of the solution** to all of their power plants

