



Railroad Case Study

Indiana Rail Road Company Indianapolis, IN APU Auxiliary Power Unit

PROJECT DETAILS:

Indiana Rail Road Company purchased nine HOTSTART APUs (Auxiliary Power Units) for their locomotives to help with reducing fuel costs and emissions. In 2011, INRD utilized a "Try and Buy" program from HOTSTART to test the effectiveness of an APU on one of their locomotives. The unit was installed and run over the winter of 2011-2012. Based on the successful performance, INRD purchased eight more units to install on their fleet. The additional eight units were installed in the winter of 2012.

PRODUCT DETAILS:

Indiana Rail Road Company General Foreman Mechanical Wayne Wiza was charged with reducing the railroad's fuel expenses. The APU was recommended as a fuel saving solution. By heating the water jacket and the oil, the prime movers can stay warm and ready to start instead of having to idle for hours during cold weather.

Auxiliary Power Unit: Maintains water temp at 100° F (38° C) above ambient for engines up to 200L displacement/5000HP/4MW.

Benefits of Systems: Reduced idle time, fuel/ oil consumption and maintenance

The winter after all nine units were installed and running, Indiana Rail Road saved over 100,000 gallons of fuel. "Thanks to HOTSTART, we're saving thousands of dollars and eliminating a great deal of exhaust emissions," said Wiza. "Equally impressive is the ease with which our mechanics installed the new APUs. HOTSTART provides an outstanding product and it's well worth the investment."

CUSTOMER DETAILS:

Indiana Rail Road Company is a Class II "Short Line" railroad founded in 1986. INRD is a regional 500 mile railroad for Indiana and Illinois that hauls a variety of consumer, energy and industrial products equivalent to 800,000 truckloads of freight.

