



# PROBLEM SOLVED™ PAPER

**SOLUTION:** MartinPLUS® Installation Services, Martin® Electric Vibrators

**INDUSTRY:** Coal-Fired Power

**LOCATION:** F.B Culley Generating Station (Vectren Corp./SIGECO)  
Newburgh, Indiana



*F. B. Culley Generating Station,  
Newburgh, IN.*



*To improve coal feeding, a new vibrator  
and channel mount were installed on a  
vibrating feeder pan at F. B. Culley Station.*



*The installation included new chute linings with  
stainless and two electric vibrators on channel  
mounts installed by MartinPLUS® Installation Services.*

## PROBLEM

The plant needed to improve the performance of a vibratory feed chute.

## SOLUTION

To improve the situation, MartinPLUS® Services installed a Martin® Electric Vibrator on the bottom of the feeder pan. The crew also removed the existing UHMW lining and replaced the cables that suspend the vibrating pan.

The crew also rebuilt a 24 by 24 inch (600 by 600 mm) 18-foot (5.5 m) long “downcomer” coal chute, lining its bottom with 304 stainless steel. They installed two Martin® Electric Vibrators on a channel mount on the outside of the chute to maintain material flow.

## RESULTS

The new feeder and chutes work as projected in the project proposal. In addition, the work of the MartinPLUS® Installation Services crew received rave reviews from plant officials. Their post project evaluation included the phrases: “Excellent work. Job cleanup very good. Crew very good to work with.”