



INDUSTRY

Renewable Energy

OBJECTIVE

Reduce Particulate Matter and
Visible Emissions

SOLUTION

Geoenergy® E-Tube® Wet ESP

RESULTS

- Relocated and upgraded Geoenergy® E-Tube® Wet ESP systems
- Achieved compliance with mill environmental permits
- High uptime and low maintenance costs
- Reduced overall project costs

CONTACT

Lundberg
13201 Bel-Red Road
Bellevue, Washington 98005
425.283.5070
www.lundberg-us.com

Clean Air for Enviva

LUNDBERG PROVIDES GEOENERGY® E-TUBE® WET ESP SYSTEMS FOR ENVIRONMENTAL COMPLIANCE AT MULTIPLE PELLET MILLS

A leading North American producer of industrial wood pellets was in need of a cost-effective and reliable solution to reduce their particulate matter and visible emissions from wood dryer systems at their new state-of-the-art pellet mills. Lundberg relocated Geoenergy® E-Tube® Wet ESPs from shuttered wood panelboard facilities and performed refurbishment and upgrades. The results were economical solutions that surpassed the environmental requirements while providing high uptime and reliability.

PROBLEM

A leading supplier of industrial wood pellets required air pollution control equipment that would reduce particulate matter and visible emissions from their rotary wood dryer systems at three new greenfield wood pellet mill facilities. The company sought technology that was proven to achieve compliance with strict environmental regulations with low energy consumption and high reliability.

**THE EQUIPMENT OPERATES
WITH HIGH UPTIME AND LOW
MAINTENANCE COSTS.**



LUNDBERG'S SOLUTION

With more than 300 installations at wood products facilities, Lundberg worked with past clients to source used wet ESP equipment. Lundberg relocated Geoenergy® E-Tube® Wet ESP systems that were installed at shuttered panelboard facilities and upgraded the equipment with the latest performance-enhancing improvements. These included new STAR II/SPHERE rigid mast discharge electrodes and high-voltage switch mode power supplies. The STAR II electrode and switch mode power supplies improved the equipment performance while reducing power consumption.

RESULTS

The E-Tube systems achieved emission levels significantly lower than the environmental permit requirements. The equipment operates with high uptime and low maintenance costs.