

Lake Shore Plant



The plant, in Cleveland, Ohio, is located on a 57-acre site on a bluff overlooking Lake Erie.

Facts At A Glance

- One coal-fired unit generates 245 megawatts (MW) of electricity and 2 oil-fired units generate 4 MW of electricity.
- The plant uses more than 550,000 tons of coal per year.
- The plant employs 65 people.
- The plant pays more than \$1.1 million annually in property taxes.

ENVIRONMENTAL MEASURES

- The Lake Shore Plant uses very low-sulfur western coal.
- Generating unit uses electrostatic precipitator, which removes more than 99% of particulates from flue gas. The gases pass between fields of electrically grounded plates to which the electrically charged dust is attracted.
- Coal ash captured by precipitators is either sold for a variety of uses including the manufacture of concrete, structural fill, roofing shingles and ice-control material, or is placed in specially designed landfills.
- The design of the boiler produces inherently low nitrogen oxide emissions.

