

NEWS



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For Immediate Release:

Co-op members and state legislators tour Ohio coal-fired power plant, which is one of the cleanest of its kind in the world

NEW LONDON, September 15, 2023 at 8:45AM — Firelands Electric Cooperative recently had the opportunity to show its members and several prominent political figures how and where their electric power is generated.

On Wednesday, Sept. 13, twenty-seven cooperative members and guests traveled to the Cardinal Power Plant, located along the Ohio River in Brilliant, Ohio. Following an introductory presentation and Q&A session, attendees participated in a guided tour of the plant. State Representative Marilyn John and State Representative Melanie Miller, along with Ashland Mayor Matt Miller, joined co-op members as they toured the innovative power plant facility, including technology to reduce carbon emissions. Marilyn John represents District 76, which includes Richland County. Melanie Miller, who serves District 67, represents Ashland County and portions of Medina County.

Owned by Buckeye Power, who is the generation and transmission cooperative for Ohio's 24 distribution cooperatives, the Cardinal Power Plant has three coal-fired generating units with the capacity to produce 1,800 megawatts of electricity. This coal-fired plant provides power to 1 million people across the Buckeye State, employees over 300 people, and is a major economic force in the region.

Highlights of the Cardinal tour included the state-of-the-art control room and electrostatic precipitators that remove 99% of all fly ash particles. Also of interest was the 423-foot-high closed-cycle cooling tower, which keeps evaporation loss below 1.8%. These two features are just a portion of the more than \$1.2 billion in environmental measures that make Cardinal one of the cleanest coal-fired power plants in the world.

To produce electricity, the plant's pulverizers grind coal into a fine, talcum-powder-like consistency. The powdered coal is then burned at high temperatures, turning water into steam. This steam is directed into turbines, which drive the generator that produces electricity. Cardinal generates electricity the instant a co-op member needs it.

Buckeye Power is dedicated to providing its member cooperatives with affordable and responsibly-produced power. They own a diverse portfolio of base load and peaking facilities that are outfitted with best-in-class environmental controls to supply all the electricity needs for their cooperative members' homes and businesses throughout Ohio.

Further information about Firelands Electric Cooperative's power supply is available at www.firelandsec.com/content/power-supply. Additional photos from the 2023 Cardinal Plant Tour can be viewed at www.flickr.com/photos/firelandsec/albums.

Firelands Electric Cooperative, a Touchstone Energy Cooperative, is a member-owned, not-for-profit electric utility serving more than 9,200 homes and businesses in rural areas of Ashland, Huron, Lorain, and Richland counties and ranks among the highest energy utilities in the country for customer satisfaction. Visit the cooperative's website, www.firelandsec.com, [Facebook page](#) and [Twitter feed](#), to learn more about reliable and affordable power.



PHOTO: Firelands General Manager Dan McNaull, left, stands with Cardinal plant manager Bethany Schunn and Ohio elected leaders Matt Miller, Melanie Miller, and Marilyn John while touring the Cardinal power plant with members of the Ohio's Electric Cooperatives.