

Perry Nuclear Power Plant



Located in Perry, Ohio, the 1,100-acre site is situated on the shore of Lake Erie, east of Cleveland.

Facts At A Glance

- A boiling water reactor produces 1,258 megawatts of electricity, enough to power about 750,000 homes.
- Water in the reactor is heated by the fission of bundled uranium-enriched fuel pellets. One fuel pellet — about the size of an adult finger tip — produces the same amount of electricity as burning more than one ton of coal, 200 gallons of oil or 19,000 cubic feet of natural gas.
- The plant began commercial operation in 1987.
- The plant employs 903 people.
- Pays more than \$12.9 million annually in property taxes

ENVIRONMENTAL MEASURES

- Water flowing between the plant's 516-foot cooling tower and condenser stays within closed piping systems. It does not mix with reactor water; no radioactive water goes to the cooling tower. The vapor that rises is plain water that soon evaporates.
- The reactor vessel is surrounded by a concrete "bioshield" two feet thick, plus a one-inch steel liner. The outer-most layer is a steel-reinforced, three-foot thick concrete shield building.
- More than 1,000 sensing devices monitor the plant's safety systems.
- The National Institute of Urban Wildlife has certified the Perry Plant site as an Urban Wildlife Sanctuary. More than 850 acres of natural forests and marshes provide diverse habitat for area wildlife.

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