

Columbia Plant Overview

Nancy Blair Parr
Environment, Health & Safety
Columbia Fuel Fabrication Facility
Westinghouse Electric Company

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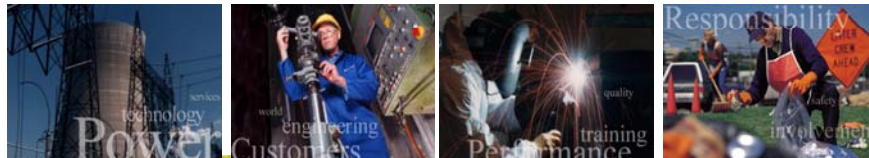
Westinghouse Electric Company



Westinghouse Electric Company Headquarters - Cranberry PA.

Westinghouse Electric Company provides fuel, services, technology, plant design, and equipment to utility and industrial customers in the worldwide commercial nuclear electric power industry

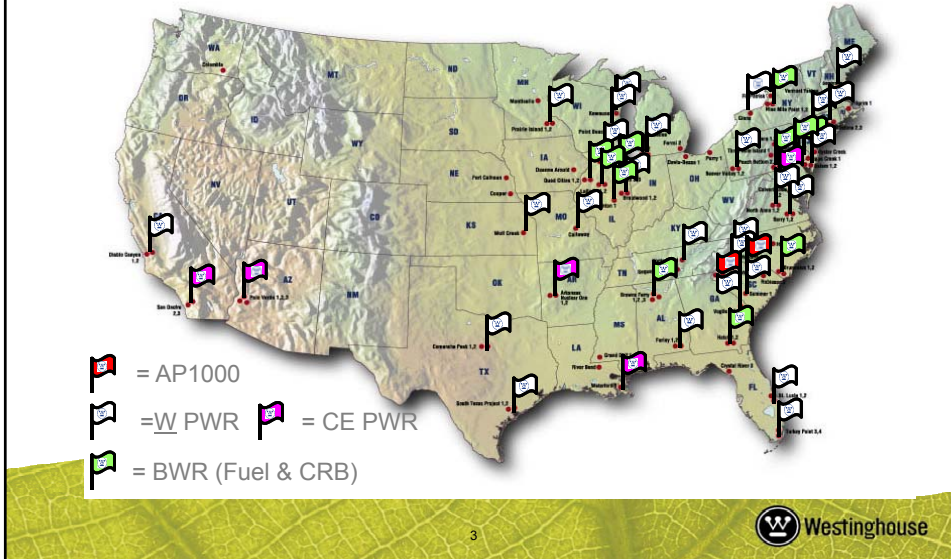
Nearly 50 percent of the nuclear power plants in operation worldwide, and nearly 60 percent in the United States, are based on Westinghouse technology



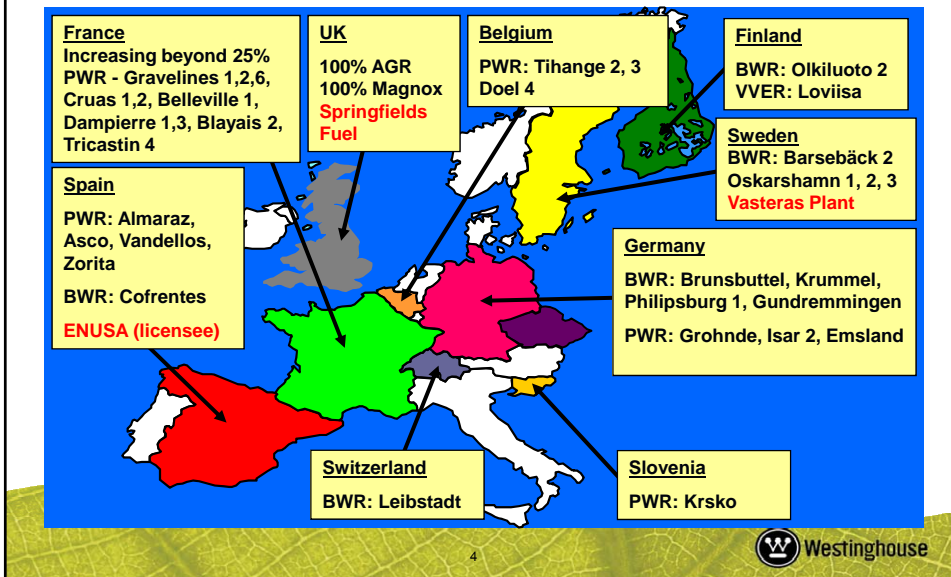
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Westinghouse Nuclear Fuel US Customer Base (Over 50% of market)



Westinghouse Nuclear Fuel European Customer Base

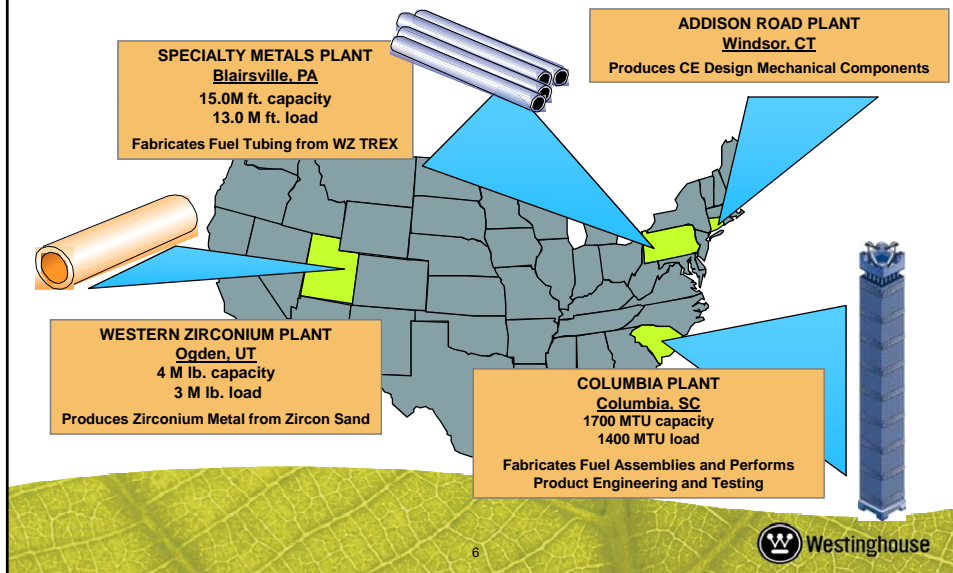


Westinghouse Nuclear Fuel Asian Customer Base



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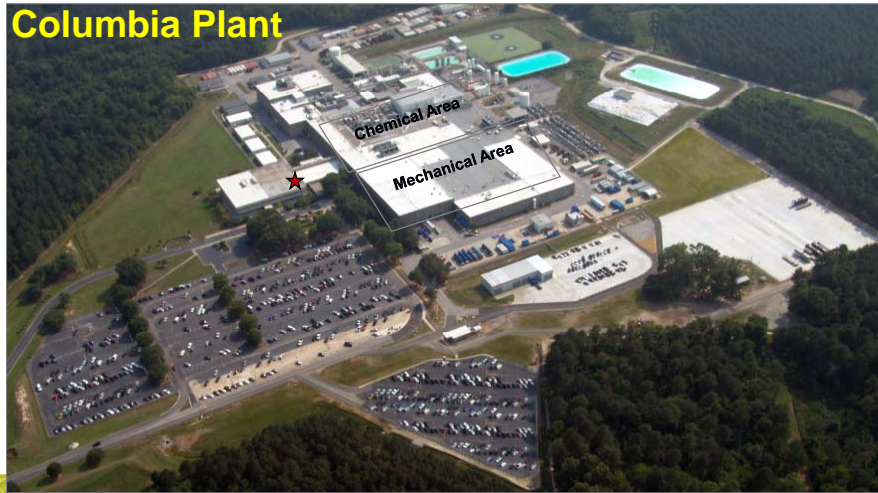
Westinghouse Nuclear Fuel



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Westinghouse Nuclear Fuel

Columbia Plant



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Westinghouse Columbia Plant



- Opened 1969
- 550,000 ft² facility (51,500 m²)
- 1156 acre site (4.7 km²)
- UF₆ conversion through fuel assembly (FA)
- FA and core component manufacture
- Product design and testing
- Originally rated at 1200 MTU/a
- Current capacity at 1700 MTU
- Over 90,000 PWR & 3500 BWR assemblies
- Approximately 1200 people, 900 in the plant

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Westinghouse Columbia Plant – Other Key Facts

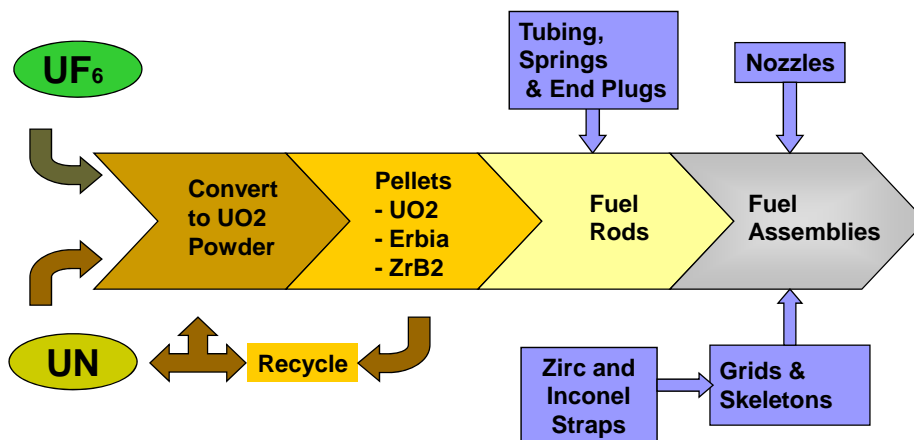


- Owned by Toshiba
- Over \$100 M in annual compensation at Columbia Site
- ISO 9001 Certified (Quality)
- ISO 14001 Certified (Environmental)
- Some starting material made from blended down weapons grade uranium
- Over 10% of electricity generated in the entire US comes from nuclear fuel made at our plant

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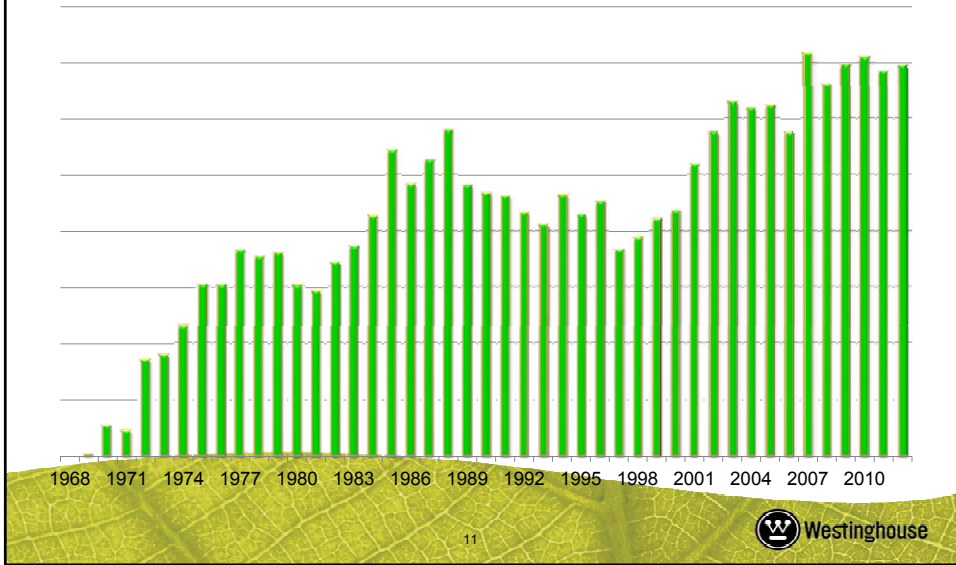
Columbia Plant Fuel Fabrication Process



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Annual Fuel Production at Columbia Plant (1968 through 2012)



Westinghouse Columbia Priorities

Continuous Improvement In ...

Safety



Quality



Delivery

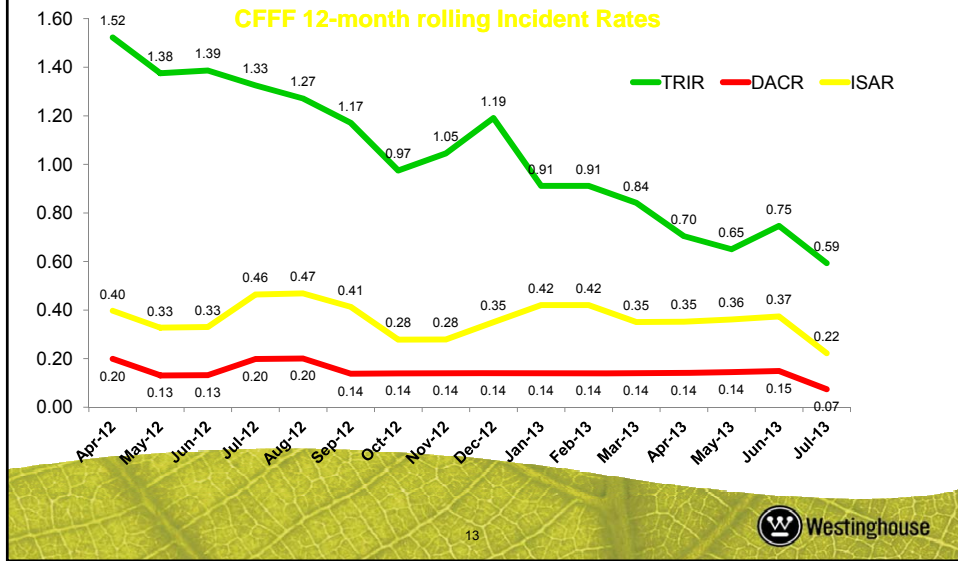


Pretend Someone is Watching...

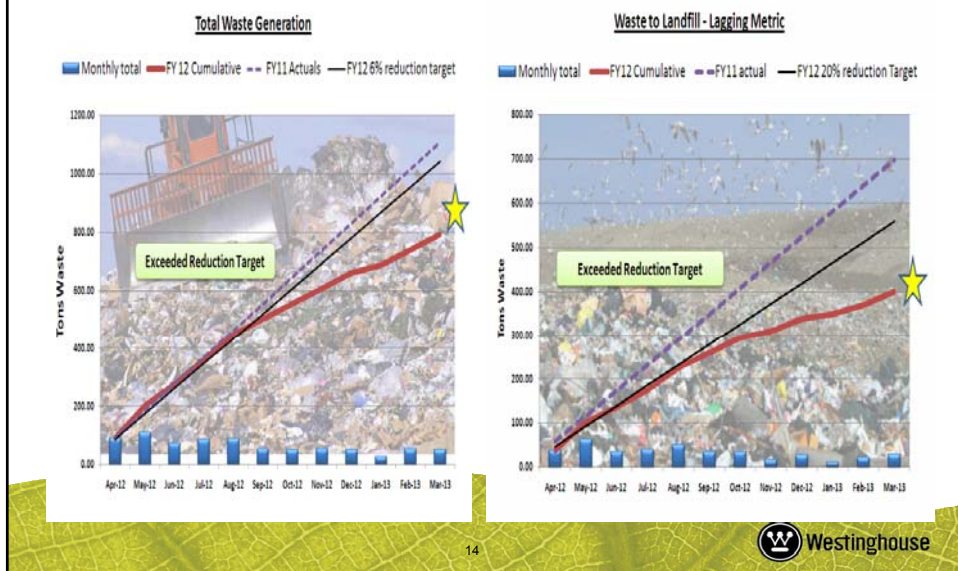
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Recent Trends in Safety



Recent Trends in Sustainability



Westinghouse Community Involvement

- Partnership with Mill Creek Elementary School
- Wildlife and Industry Together (W.A.I.T.)
- United Way
- Adopt-A-Highway
- Adopt-A-Waterway
- Girls In Science
- Women In Nuclear (WIN)
- NA-Young Generation of Nuclear (NAYGN)
- Governor's School for Science & Mathematics
- Many Service Projects

We strive to be a responsible corporate citizen!

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Other Columbia Plant Successes

- Created a Multi-Assault Counterterrorism Action Capabilities (MACTAC) program and taught the class to our law enforcement
- Created an Active Shooter Detection, Mitigation and Response seminar and sponsored the event through the American Society for Industrial Security (ASIS)
- Initiated a statewide group for industrial emergency preparedness to promote sharing of best practices, lessons learned and training opportunities

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Other Columbia Plant Successes (continued)

- Seventeen volunteer employees were certified as Industrial Emergency Response Specialists (there are less than 200 currently in the USA)
- Continued our year-over-year reduction in radiation dose to employees and the environment
- Shipped fuel assemblies for new AP1000 China Plant and building fuel assemblies for plants currently under construction in South Carolina and Georgia
- Built first ever Small Modular Reactor Assembly

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Ongoing Challenges

- Managing the cumulative impact of regulation for improving safety, regulatory efficiency and predictability
- Ongoing efforts to assure physical and cyber security for our facility
- Completion of “beyond design basis” seismic upgrades to our facility
- Continuing to meet year-over-year higher standards expected by ourselves and our customers

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Questions?

