

Bechtel: The First Name in Nuclear

WORLD LEADER IN NUCLEAR INDUSTRY

Bechtel has been the active leader in the nuclear industry for almost 60 years.

- More than 74,000 MW of nuclear design, construction, and operating plant support experience on over 150 plants worldwide
- Maintenance and Operating (M&O) Contractor for seven U.S. National Laboratories
- Engineering services and/or construction services for over 88% of the U.S. nuclear power plants
- Thirty-four steam generator replacements (SGRs) completed or ongoing and eight reactor pressure vessel head replacements (RPVHRs) completed
- Ranked #1 overall contractor in the U.S. by *Engineering News-Record (ENR)* since 1998
- Ranked #1 in power by *ENR* since 1996
- Ranked among the world's best in safety by *Occupational Safety* magazine
- Ranked world's best construction/engineering company by *Global Finance*



NEW GENERATION AND DOE SUPPORT ACTIVITIES

Bechtel's new nuclear generation activities include:

- Browns Ferry Unit 1 restart
- Watts Bar Unit 2 Detailed Scoping, Estimating, and Planning (DSEP) Study
- Watts Bar Unit 2 completion
- Seven Construction and Operating License (COL) applications
- First two COL submissions to NRC in 29 years
- Two Early Site Permits (ESPs)
- Yucca Mountain
- Hanford Waste Treatment Plant
- Los Alamos National Laboratory
- Lawrence Livermore National Laboratory
- Oak Ridge environmental cleanup
- Savannah River site
- Design certification support of reactor technology suppliers
- NEI task force for new plant activities—ESP, COL, Part 52, infrastructure, security, and others



STEAM GENERATOR AND REACTOR PRESSURE VESSEL HEAD REPLACEMENTS

Bechtel's industry achievements include:

- Shattered the world record by eight days by replacing four steam generators and a reactor head in 55 days
- Lowest U.S. SGR accumulated radiation exposure (57 man-rem)
- First U.S. one-piece SGR
- First U.S. SGR and RPVHR using a through-the-wall replacement
- First to use optical templating in the U.S.
- First RPVHR in the U.S.

NUCLEAR OPERATING PLANT SERVICES

Bechtel offers a comprehensive array of operating plant services, including:

- Engineering and licensing
- Design modifications
- Planning, scheduling, and cost control
- Power uprates
- Plant recovery support
- License renewals
- I&C digital control upgrades
- System performance assessments
- Equipment qualification

