



WATTS BAR UNIT 2  
**1**  
GENERATION

# Watts Bar Nuclear Plant Unit 2

Historic milestones are being achieved at Watts Bar Nuclear Plant as Unit 2 is completed and tested the right way – safely, with quality, and in a manner to ensure regulatory compliance and excellence in operations after licensing.

## WATTS BAR UNIT 2 Fast Facts

- ON TRACK TO BE THE NATION'S FIRST NEW NUCLEAR GENERATION OF THE 21<sup>ST</sup> CENTURY
- WILL GENERATE APPROXIMATELY 1,150 MEGAWATTS
- IMPORTANT TO THE REGION'S CLEAN, AFFORDABLE, RELIABLE POWER SUPPLY
- THE FIRST TO MEET POST-FUKUSHIMA STANDARDS FOR PLANT DESIGN AND OPERATIONS

## ON TRACK TO DELIVER THE NATION'S FIRST NEW NUCLEAR GENERATION OF THE 21<sup>ST</sup> CENTURY

### PROJECT STATUS

- Watts Bar Unit 2 is substantially complete, with complex work, rigorous pre-operational testing, and fuel load readiness efforts in progress.
- Work continues to provide assurance and documentation that the plant is ready to load fuel and can operate safely according to design and regulatory requirements.
- NRC inspectors are conducting ongoing comprehensive, regulatory-based reviews to confirm that required activities have been performed and that the plant has been completed, tested, and inspected in accordance with regulations.
- Primary drivers that determine when fuel load begins are finishing Unit 2 the right way and demonstrating the plant can be operated safely and in a manner that ensures regulatory compliance.
- When fuel load readiness is validated, TVA will move diligently to begin the initial loading of fuel in the first new nuclear generation of the 21st century.

### MILESTONES MET

- Completed five, critical pre-operational testing milestones to demonstrate Unit 2 operating and safety systems have been built to high standards of safety and quality:
  - Open Vessel Testing
  - Cold Hydrostatic Testing
  - Hot Functional Testing
  - Structural Integrity and Containment Integrated Leak Rate Testing
  - Integrated Safeguards Testing
- Resolved key technical issues
- Received NRC's Advisory Committee on Reactor Safeguards recommendation for approval of the operating license
- Participated in a briefing with NRC Commissioners on the license application
- Successfully completed a World Association of Nuclear Operators Pre-startup Review
- Successfully completed NRC Operational Readiness Assessment Team Inspection
- NRC Commissioners delegated authority to the Director of the Office of Nuclear Reactor Regulation to issue a full power operating license
- Informed the NRC that Unit 2 is substantially complete
- NRC Region II issued letter recognizing the plant has satisfied inspection requirements and recommending an operating license be granted

For more, visit [www.tva.gov](http://www.tva.gov)

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