



Fact Sheet

Bellefonte Site

Keeping the Bellefonte site as an option for future nuclear generation supports TVA's goals of producing reliable, low-cost electricity and increasing our carbon-free generating capacity.

Background

Of the alternatives evaluated for the Bellefonte site, completing Unit 1 is the low-cost option primarily due to the availability of the existing infrastructure and plant equipment.

Key points

- TVA customers require a reliable source of electricity which nuclear energy can provide safely without adding greenhouse gases to the environment.
- In addition to reducing peak demand growth, promoting energy efficiency and adding more renewable energy, power forecasts indicate a need for additional capacity in the 2020 timeframe.
- Although completion of Unit 1 has been identified as a preferred alternative, no construction decision about the Bellefonte site has been made.

Other information

- The completion of Unit 1 was identified as a preferred alternative in the final supplemental environmental impact statement that looked at nuclear options for the site.
- Information for the Integrated Resource Plan now being developed indicates that additional nuclear capacity will be needed in the 2020 timeframe.
- The projected cost to complete Unit 1 is \$4.3 billion to \$4.7 billion dollars.
- The existing Bellefonte reactors are being maintained in deferred construction status as TVA also pursues the option of a license to build an AP1000 advanced reactor design at the site.

Questions & Answers

Is the TVA Board planning to decide something about Bellefonte?

Staff currently expects the Board to use a two-step process if it chooses to approve the preferred alternative (completion of Unit 1) – approval of funding in the FY2011 budget for continuing engineering and licensing work, followed later by consideration of approval for final project construction.

What are TVA's plans for FY2011 if the Board uses a two-step approval process?

Continuing work on engineering, licensing and establishing contracts for Bellefonte ensures that Unit 1 can be completed by the anticipated time of need but does not commit TVA to complete it if the final Integrated Resource Plan finds it unnecessary.

Has TVA determined what to do with AP1000 license if the Board decides to finish Unit 1?

TVA expects to revise its application for Bellefonte 3 and 4 to reflect use of infrastructure in completion and operation of Unit 1.