

Energy

TVA helps make the Tennessee Valley a better place to live through its work in energy, the environment, and economic development. As the nation's largest public power provider, TVA delivers reliable and affordable electric power that gives businesses and families in the region more opportunity to prosper.

- TVA's power system is one of the most reliable and efficient in the nation, and it pays its own way—receiving no taxpayer dollars.
- TVA has a track record of more than seven decades of service in making life in the Tennessee Valley better for future generations.

TVA provides world-class service at the lowest feasible cost.

In Fiscal Year 2007:

- TVA sold 174.8 billion kilowatt-hours of electricity, earning revenues of more than \$9.24 billion and delivering power with 99.999 percent reliability for the eighth consecutive year.
- TVA met monthly records for peak power demand in six months of the fiscal year.
- TVA met an all-time system peak power demand of 33,482 megawatts on August 16. During that month, TVA met 22 peaks above 30,000 megawatts, including its top 13 peak power demands of all time.
- TVA's fossil system generated the highest amount of power in TVA history – more than 100 billion kilowatt-hours – while producing record-low emissions. Shawnee 6 set an all-time continuous-run record for U.S. fossil plants.
- All 59 fossil units operated simultaneously for a record 14-1/2 days between August 6 and August 20, breaking the previous record of 6-1/2 days in 2005.
- TVA achieved another generation milestone when, for the first time, all six nuclear and all 59 fossil units were on-line simultaneously for a period of 21 hours 28 minutes on June 26-27.
- With the restart of Browns Ferry Unit 1 in May, TVA's nuclear fleet generated 2.4 percent more electricity than last year – more than 46 billion kilowatt hours.
- Hydroelectric generation was 70 percent of normal for the year due to the lowest rainfall in 118 years.

Other recent TVA achievements include:

- After extensive study and review, the TVA Board approved the completion of Watts Bar Nuclear Plant Unit 2 near Spring City, Tenn. The \$2.5 billion project will add 1,180 megawatts to TVA's base-load generating capacity in 2013.
- The TVA Board authorized the CEO to submit an application to the Nuclear Regulatory Commission for a combined construction and operating license for two new units at TVA's Bellefonte site in Hollywood, Alabama. Construction of the plant would require further Board approval following the licensing process.
- The TVA Board approved the purchase of two natural-gas generating facilities and the lease of a combined-cycle facility that together will add 1,915 megawatts of peaking capacity to TVA's portfolio. The Board also approved plans to allow for construction of a potential new generation facility.
- TVA began work with stakeholders at the national, regional, state and local levels to encourage smarter energy use, promote conservation and energy efficiency, and reduce power demand by 64 megawatts in 2008.