

TVA in Tennessee



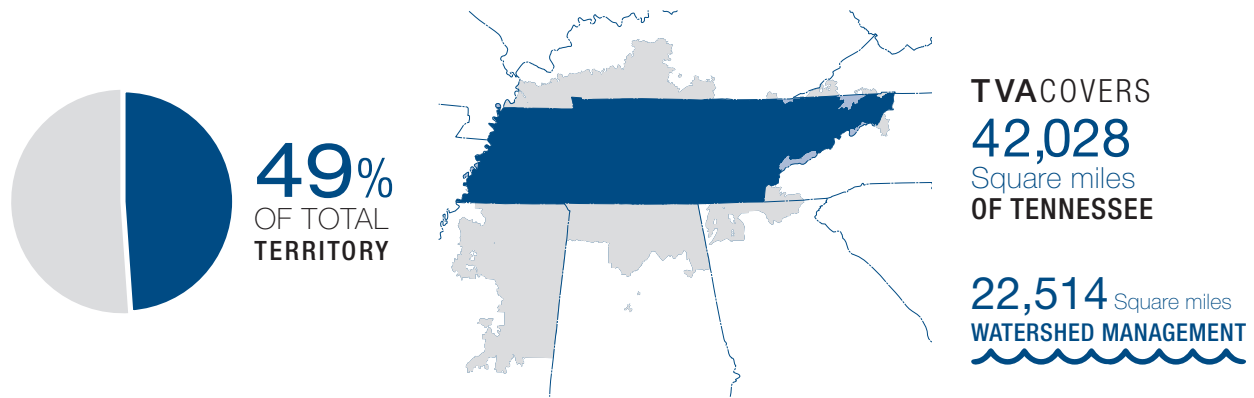
FISCAL YEAR 2017 (OCTOBER 2016 – SEPTEMBER 2017)

Energy Sales

SOLD	PROVIDED	SERVED	HOME TO	REVENUE
91 billion kilowatt-hours OF ELECTRICITY TO 61 municipals & 22 co-ops	38 billion kilowatt-hours OF ELECTRICITY TO 2.8 million HOUSEHOLDS through the LPCs	48 billion kilowatt-hours OF ELECTRICITY TO 459,000 Commercial & Industrial Customers* through the LPCs	24 DIRECTLY SERVED Customers PURCHASING 7 BILLION kilowatt-hours OF ELECTRICITY	\$7 billion Power Revenue IN TENNESSEE 2017 66.4% of TVA TOTAL operating revenue

*1.14 billion kilowatt-hours to outdoor lighting customers.
 LPC = local power company

Service Area



TVA serves virtually all of the 95 counties in Tennessee.

Power Generation and Transmission

- In Tennessee, TVA operates 19 hydroelectric dams, six coal-fired power plants, two nuclear power plants, seven combustion turbine sites and a pumped-storage plant, with a combined generating capacity of more than 19,655 megawatts.
 - » Hydroelectric plants: Boone, Cherokee, Chickamauga, Douglas, Fort Loudoun, Fort Patrick Henry, Great Falls, Melton Hill, Nickajack, Norris, Ocoee 1, Ocoee 2, Ocoee 3, Pickwick Landing, South Holston, Tims Ford, Watauga, Watts Bar and Wilbur.
 - » Coal-fired plants: Allen, Bull Run, Cumberland, Gallatin, Johnsonville and Kingston. Johnsonville Fossil Plant ceased operation on Dec. 31, 2017. Allen Fossil Plant will cease operation in 2018.

264 substations &
switchyards

9,474
MILES
of transmission
LINE

- » Nuclear plants: Sequoyah and Watts Bar.
- » Natural gas-fueled facilities: the Allen, Brownsville, Gallatin, Gleason, and Johnsonville sites host combustion turbine plants. John Sevier has a combined cycle plant, and Lagoon Creek hosts both a combustion turbine and a combined cycle plant.
- » Pumped-storage hydroelectric plant: Raccoon Mountain.
- TVA operates nine solar facilities in Tennessee: a 31-kilowatt facility at the Adventure Science Center in Nashville; a 17-kilowatt facility at Ijams Nature Center in Knoxville; a 10-kilowatt facility at Cocke County High School in Newport; a 17-kilowatt facility at the American Museum of Science and Energy in Oak Ridge; an 9 kilowatt facility at Morgan County Vocational School in Wartburg; a 97-kilowatt facility at Finley Stadium in Chattanooga; a 20-kilowatt facility at Gibson County High School in Dyer; a 1-megawatt solar array located at the Allen Natural Gas Plant in Memphis; and a 32-kilowatt facility at the Bridges Center in Memphis.

Land and Water Stewardship

- TVA manages 33 reservoirs in Tennessee: Boone, Cherokee, Chickamauga, Douglas, Fort Loudoun, Fort Patrick Henry, Great Falls, Melton Hill, Nickajack, Nolichucky, Normandy, Norris, Ocoee 1, Ocoee 2, Ocoee 3, Raccoon Mountain, South Holston, Tellico, Tims Ford, Watauga, Watts Bar and Wilbur along with eight small reservoirs in the Beech River watershed in West Tennessee and portions of Kentucky, Pickwick and Guntersville reservoirs. The reservoirs have a combined surface area of about 300,000 acres and about 7,000 miles of shoreline.
- TVA manages recreational, natural and cultural resources on more than 170,000 acres of public land around these reservoirs and partners with state, local and regional stakeholders to improve water quality, shoreline conditions, recreation and biodiversity.
- Tennessee residents enjoy camping, fishing, boating, swimming and other recreational opportunities provided by the reservoirs, as well as economic benefits of recreation and tourism. TVA maintains 38 day-use recreation areas and 45 stream access sites.
- The TVA visitor center at Raccoon Mountain Pumped-Storage Plant hosted more than 20,600 visitors in 2017. Raccoon Mountain is TVA's largest hydroelectric facility. The Norris Dam Visitor Center—overlooking the powerhouse, Norris Reservoir and a marina—received over 34,600 visitors in 2017.
- Overlooks at scenic South Holston and Fort Patrick Henry are accessible year round.

7,000 miles of
SHORELINE

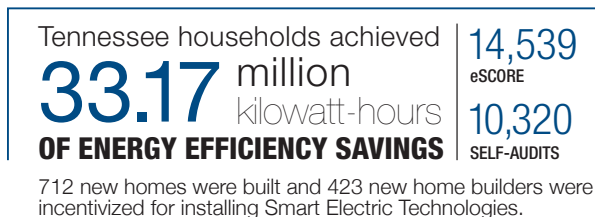


170,000
ACRES of PUBLIC LAND

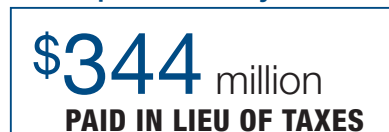
River Management

- TVA maintains the structural, seismic and hydraulic integrity of 19 hydroelectric dams, 11 non-power dams; two small overflow detention dams at John Sevier Fossil Plant on the Holston River and Doakes Creek on Norris Reservoir; and one pumped-storage plant near Chattanooga.
- TVA manages flows to support thermal compliance at our coal-fired and nuclear plants.
- TVA owns seven locks in Tennessee (six main locks and one auxiliary lock), serving about 110 Tennessee ports and terminals. About 15 million tons of cargo moved through the facilities in fiscal year 2017.
- TVA operates the dams and reservoirs in Tennessee as part of an integrated multi-purpose reservoir system to provide numerous stakeholders a variety of benefits that can include: navigation, flood risk reduction, low-cost hydropower, water supply, water quality and recreational opportunities. At Chattanooga, which is prone to flooding because of its location just above where the Tennessee River flows through the narrow passes of the Cumberland Mountains, operation of TVA's flood-control system has helped prevent about \$5.8 billion in flood damage since its construction.
- Ninety-three municipalities, 32 industries and seven mining companies in Tennessee draw water from the Tennessee River system. Water also is drawn for power plant cooling and irrigation.
- TVA schedules releases of water from the Apalachia, Norris, Ocoee 1, Ocoee 2, Ocoee 3, Tims Ford and Watauga/Wilbur dams to support tailwater recreation in Tennessee.

Other TVA Operations



Tax Equivalent Payments



Personnel



Economic Impact



TVA Suppliers

