

TVA in Alabama



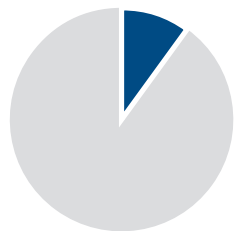
FISCAL YEAR 2017 (OCTOBER 2016 – SEPTEMBER 2017)

Energy Sales

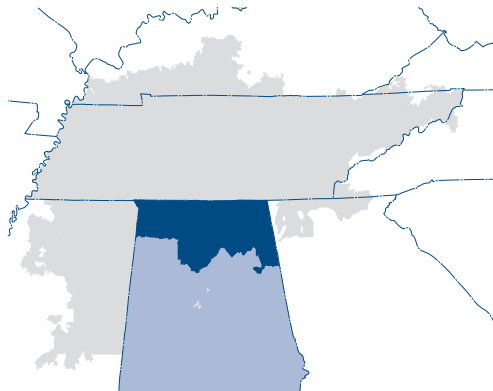
SOLD	PROVIDED	SERVED	HOME TO	REVENUE
17.4 billion kilowatt-hours OF ELECTRICITY TO 17 municipalities & 8 co-ops	7.09 billion kilowatt-hours OF ELECTRICITY TO 499,000 HOUSE HOLDS through the LPCs	9.4 million kilowatt-hours OF ELECTRICITY TO 101,273 Commercial & Industrial Customers* through the LPCs	11 DIRECTLY SERVED Customers PURCHASING 5 BILLION kilowatt-hours OF ELECTRICITY	\$1.5 billion Power Revenue IN ALABAMA 2017 14.4% of TVA TOTAL operating revenue

*218 million kilowatt-hours to outdoor-lighting customers.
 LPC = local power company

Service Area



10%
 OF TOTAL
 TERRITORY



TVA COVERS
8,979
 Square miles
OF ALABAMA

6,826 Square miles
WATERSHED MANAGEMENT

Local power companies who distribute TVA power serve the following Alabama counties: Blount, Calhoun, Cherokee, Colbert, Cullman, DeKalb, Etowah, Franklin, Jackson, Jefferson, Lauderdale, Lawrence, Limestone, Madison, Marshall, Morgan and Winston.

Power Generation and Transmission

- In Alabama, TVA operated three hydroelectric dams (Guntersville, Wheeler and Wilson), one nuclear power plant (Browns Ferry) and one natural gas-fueled combustion turbine site (Colbert) during the 2017 fiscal year.
- TVA operates two solar facilities in Alabama—a 23-kilowatt site at the Huntsville Botanical Gardens and a 25-kilowatt site at the Florence wastewater treatment facility.

77 substations &
 switchyards
2,394
 MILES OF
 transmission
 LINE

Land and Water Stewardship

- Guntersville, Wheeler, Wilson and Pickwick reservoirs in northern Alabama have a combined surface area of about 200,000 acres and about 2,700 miles of shoreline.
- Bear Creek, Upper Bear Creek, Little Bear Creek and Cedar Creek reservoirs in northwestern Alabama have a combined surface area of 8,000 acres and about 250 miles of shoreline.
- TVA manages recreational, natural and cultural resources on more than 90,000 acres of public land around these reservoirs and partners with state, local and regional stakeholders to improve water quality, shoreline conditions, recreation and biodiversity.
- Alabama residents enjoy camping, fishing, boating, swimming and other recreational opportunities provided by these reservoirs, as well as economic benefits resulting from recreation and tourism. The Rockpile Recreation Area has undergone significant renovations including a new playground that models Wilson Dam and the surrounding landscape. TVA also maintains five stream access sites.

2,950 miles of
SHORELINE

90,000
ACRES of PUBLIC LAND

River Management

- TVA maintains the structural, seismic and hydraulic integrity of seven dams in Alabama, including three hydroelectric dams on the main channel of the Tennessee River and four non-generating dams in the Bear Creek watershed.
- TVA manages flows to support thermal compliance at our nuclear plants, and to support non-thermal processes at our retired coal-fired plants.
- TVA operates the dams and reservoirs in Alabama as part of an integrated multi-purpose reservoir system to provide numerous stakeholders a variety of benefits which can include: navigation, flood risk reduction, low-cost hydropower, water supply, water quality and recreational opportunities.
- TVA owns six locks in Alabama that serve 60 Alabama ports and terminals. Approximately 22 million tons of cargo moved through the facilities in fiscal year 2017
- TVA dams and reservoirs in Alabama are operated in conjunction with others in the TVA system to store flood water for controlled release. Operation of this system helps avert an average of \$270 million in flood damage per year.
- Twenty-six municipalities and eleven industries in Alabama draw water from the Tennessee River system. Water also is drawn for power-plant cooling and irrigation.
- TVA schedules releases from Upper Bear Creek Dam in northwestern Alabama to support canoeing and kayaking on the Bear Creek floatway.

Other TVA Operations

Alabama households achieved	1,785
7.93 million	eSCORE
kilowatt-hours	965
OF ENERGY EFFICIENCY SAVINGS	SELF-AUDITS

1,028 new homes were built and 423 new home builders were incentivized for installing Smart Electric Technologies.

Tax Equivalent Payments

\$87 million
PAID IN LIEU OF TAXES

Personnel

1,979	4,599
TVA EMPLOYEES	TVA RETIREES

Economic Impact

10,700	\$1.3 billion
JOBS <small>created or retained</small>	INVESTED

TVA Suppliers

SUPPLIES PURCHASED FROM ALABAMA VENDORS	\$1.59 billion non-fuel materials and services
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