

TVA in Alabama



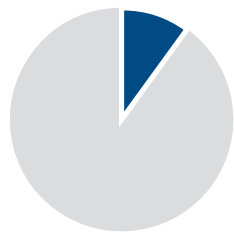
FISCAL YEAR 2018 (OCTOBER 2017 – SEPTEMBER 2018)

Energy Sales

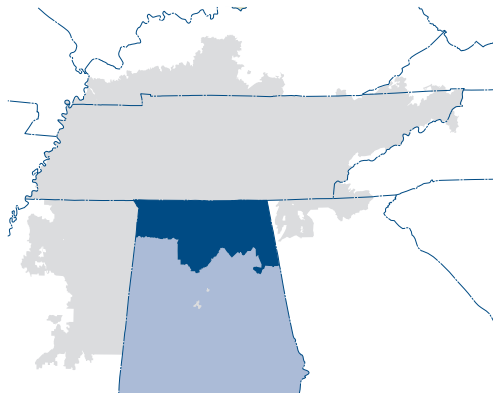
SOLD	PROVIDED	SERVED	HOME TO	REVENUE
18.8 billion kilowatt-hours OF ELECTRICITY TO 17 municipalities & 8 co-ops	7.83 billion kilowatt-hours OF ELECTRICITY TO 504,000 HOUSE HOLDS through the LPCs	9.8 billion kilowatt-hours OF ELECTRICITY TO 102,000 Commercial & Industrial Customers* through the LPCs	10 DIRECTLY SERVED Customers PURCHASING 5.4 BILLION kilowatt-hours OF ELECTRICITY	\$1.6 billion Power Revenue IN ALABAMA 2018 14.2% of TVA TOTAL operating revenue

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

Service Area



10%
 OF TOTAL
 SERVICE AREA



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 operates three hydroelectric dams (Guntersville, Wheeler and Wilson), one nuclear power plant (Browns Ferry) and one natural gas-fueled combustion turbine site (Colbert).
- TVA operates two solar facilities in Alabama—a 23-kilowatt site at the Huntsville Botanical Gardens and a 36-kilowatt site at the Florence wastewater treatment facility.

76 substations &
 switchyards
 MILES OF
 transmission
 LINE **2,400**

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 communities and local, state, and regional stakeholders to improve water quality and aquatic biodiversity, shoreline conditions, recreation, wildlife, and habitats on lands, reservoirs, and their tributaries.
- Alabama residents enjoy camping, fishing, boating, swimming and other recreational opportunities provided by TVA reservoirs, as well as economic benefits resulting from recreation and tourism. TVA also maintains five stream access sites and manages over 36 miles of trails in Alabama.
- There are unstaffed visitor centers at Guntersville and Wilson Dams.

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 coal-fired and nuclear 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 that 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 25 million tons of cargo moved through the facilities in fiscal year 2018
- 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 \$280 million in flood damage per year.
- Twenty-six municipalities and 12 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	3,693
3.79 million	eSCORE
kilowatt-hours	531
OF ENERGY EFFICIENCY SAVINGS	SELF-AUDITS

1,448 new homes were built and 188 new homes were incentivized to install Smart Electric Technologies.

Tax Equivalent Payments

\$87 million
PAID IN LIEU OF TAXES

Personnel

1,967	4,526
TVA EMPLOYEES	TVA RETIREES

Economic Impact

10,200	\$2 billion
JOBS <small>created or retained</small>	INVESTED

TVA Suppliers

SUPPLIES PURCHASED FROM ALABAMA VENDORS	\$659.5 million
	non-fuel materials and services