

# TVA in Alabama

## Energy Sales

**Sold**  
**18.3 billion**  
 kilowatt-hours of electricity to  
 17 municipals and 8 co-ops

**Provided**  
**7.79 billion**  
 kilowatt-hours of electricity  
 to **526,600** households  
 through the LPCs

**Served**  
**9.45 billion**  
 kilowatt-hours of electricity  
 to **104,900** commercial  
 and industrial customers\*  
 through the LPCs

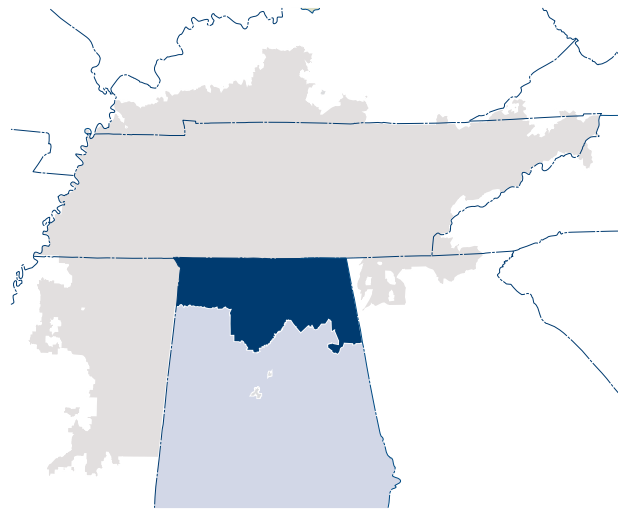
**Home to**  
 11 direct-served  
 customers purchasing over  
**5.9 billion**  
 kilowatt-hours of electricity

**Revenue**  
**\$1.5 billion**  
 power revenue in Alabama  
 2021 | about **14%** of TVA  
 total operating revenue

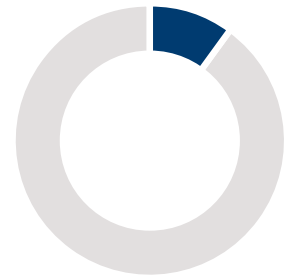
\*265 million kilowatt-hours to outdoor lighting customers. LPC = local power company

## Service Area

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.



**10%**  
 of total  
 service area



**TVA Covers**  
**8,979** square  
 miles  
**of Alabama**

**6,826** square  
 miles  
**Watershed  
 Management**

## 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), with a combined generating capacity of 5,230 megawatts.
- TVA has one planned solar facility in Alabama—Lawrence County Solar, a 200-megawatt site located in Northern Alabama.

**81** substations &  
 switchyards &  
 miles of  
 transmission  
 line **2,387**

- TVA has contracted for 336.5 megawatts of renewable biomass and solar capacity in Alabama.
- TVA operates two solar facilities in Alabama—a 0.0191-megawatt site at the Huntsville Botanical Gardens and a 0.0299-megawatt site at the Florence wastewater treatment facility.

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## 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.
- In 2020, Bassmaster named Guntersville Reservoir 2nd best bass lake in the country over the past decade.
- In 2020, Bassmaster named Pickwick Reservoir 13th best bass lake in the country over the past decade.
- TVA has unstaffed visitor centers at Guntersville and Wilson Dams. The centers were closed throughout 2021 due to the COVID-19 pandemic.

**2,950** miles of shoreline  
  
**90,000** acres of public land

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## 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 Browns Ferry Nuclear Plant.
- 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 28 million tons of cargo moved through the facilities in fiscal year 2021.
- 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 \$309 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.

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## Other TVA Operations

Alabama households achieved **1.97** million kilowatt-hours of Energy Efficiency savings | **1,073** Home Energy Evaluations | **161** DIY Home Energy Assessments | **45** Home Uplift Homes

2,305 new homes and 28 existing homes were provided incentives to install Smart Electric Technologies.

Businesses achieved **7.98** million kilowatt-hours of Energy Efficiency savings | **1.9M kWh** added via electrification | **\$602,258** in TVA incentives

Demand Response **167** participating businesses | **407 megawatts** potential peak load reduction | **\$27.7 million** in TVA incentives

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## Personnel

**2,040** TVA employees | **4,275** TVA retirees

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## TVA Suppliers

Supplies Purchased from Alabama Vendors | **\$338.6** million non-fuel materials and services

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## Economic Impact

**13,700** jobs created or retained | **\$1.3** billion capital investment

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## Tax Equivalent Payments

**\$79.33** million Paid in lieu of taxes