

# TVA in Alabama



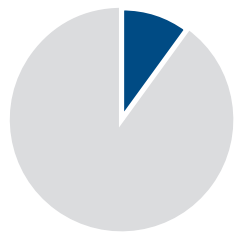
FISCAL YEAR 2019 (OCTOBER 2018 – SEPTEMBER 2019)

## Energy Sales

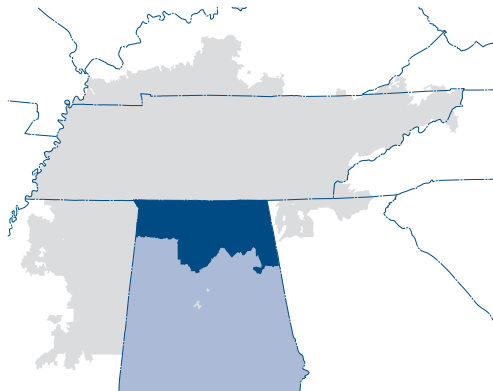
SOLD	PROVIDED	SERVED	HOME TO	REVENUE
<b>18.6 billion</b> kilowatt-hours <b>OF ELECTRICITY TO</b> <b>17</b> municipals & <b>8</b> co-ops	<b>7.84 billion</b> kilowatt-hours <b>OF ELECTRICITY TO</b> <b>510,000</b> HOUSE HOLDS Through the LPCs	<b>9.79 billion</b> kilowatt-hours <b>OF ELECTRICITY TO</b> <b>102,000</b> Commercial & Industrial Customers* Through the LPCs	<b>11</b> <b>DIRECT-SERVED</b> Customers <b>PURCHASING</b> <b>5.2 BILLION</b> kilowatt-hours <b>OF ELECTRICITY</b>	<b>\$1.6 billion</b> Power Revenue <b>IN ALABAMA 2019</b> <b>14.1%</b> of TVA <b>TOTAL</b> Operating Revenue

\*200 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), with a combined generating capacity of more than 4,870 megawatts.
- 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  
**2,398**  
MILES OF  
transmission  
LINE

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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 2019, Bassmaster named the Guntersville Reservoir the second best bass lake in the country.
- There are unstaffed visitor centers at Guntersville and Wilson Dams.

**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 22 million tons of cargo moved through the facilities in fiscal year 2019.
- 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  
**1.36** million kilowatt-hours  
**OF ENERGY EFFICIENCY SAVINGS**

1,618 eSCORE  
269 SELF-AUDITS  
214 HOME UPLIFT HOMES

1,703 new homes were built and 263 existing homes were incentivized to install Smart Electric Technologies.

### Tax Equivalent Payments

**\$85.8** million  
**PAID IN LIEU OF TAXES**

### Personnel

**1,990** TVA EMPLOYEES | **4,445** TVA RETIREES

### Economic Impact

**12,300** JOBS created or retained | **\$1.7** billion INVESTED

### TVA Suppliers

**SUPPLIES PURCHASED FROM ALABAMA VENDORS** | **\$476.5** million non-fuel materials and services