

TVA in Kentucky

Energy Sales

Sold

7.2 billion

kilowatt-hours of electricity to **10** municipals and **4** co-ops

Provided

3 billion

kilowatt-hours of electricity to over **215,800** households through the LPCs

Served

4 billion

kilowatt-hours of electricity to over **47,000** commercial and industrial customers* through the LPCs

Home to

17 direct-served customers purchasing

3.7 billion

kilowatt-hours of electricity

Revenue

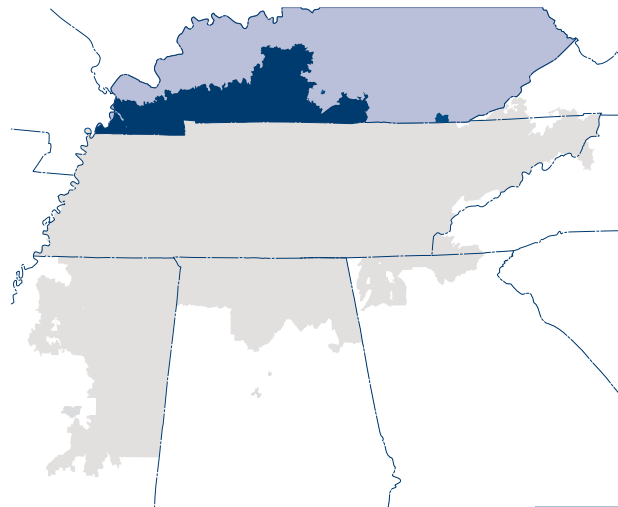
\$655 million

power revenue in Kentucky 2021 | about **6.3%** of TVA total operating revenue

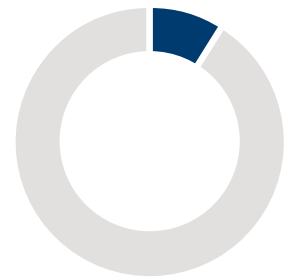
*75 million kilowatt-hours to outdoor lighting customers. LPC = local power company

Service Area

Local power companies who distribute TVA power serve all or a portion of the following counties in south central and western Kentucky: Adair, Allen, Barren, Butler, Caldwell, Calloway, Carlisle, Christian, Clinton, Cumberland, Edmonson, Fulton, Graves, Grayson, Hickman, Livingston, Logan, Lyon, Marshall, Metcalfe, Monroe, Muhlenberg, Ohio, Simpson, Todd, Trigg, Warren and Whitley.



9%
of total service area



TVA Covers
7,787 square miles
of Kentucky

1,043 square miles
Watershed Management

Power Generation and Transmission

- In Kentucky, TVA operates one hydroelectric dam (Kentucky Dam), eight combustion turbines (in Marshall County), one coal-fired power plant (Shawnee) and a combined-cycle gas plant (Paradise) with a total capacity of more than 2,986 megawatts.

53 substations & switchyards &
miles of transmission line **1,590**

- TVA has contracted for 252 megawatts of renewable biomass, solar and wind capacity in Kentucky.
- TVA operates one solar facility in Kentucky: a 0.0343-megawatt site at Lovers Lane Soccer Complex in Bowling Green.
- Paradise Fossil Plant retired in February 2020 with the retirement of Unit 3. Units 1 and 2 were retired in 2017.

Land and Water Stewardship

- Kentucky Reservoir has a surface area of 160,300 acres and about 2,000 miles of shoreline.
- TVA manages recreational, natural and cultural resources on more than 60,000 acres of public land around Kentucky Reservoir and partners with local, state, and regional stakeholders to improve water quality and aquatic biodiversity, shoreline conditions, recreation, wildlife and habitats on lands, reservoir and its tributaries.
- The TVA visitor center at Kentucky Dam typically welcomes about 28,000 visitors a year. The center was closed throughout 2021 due to the COVID-19 pandemic.

2,000 miles of
shoreline

60,000
acres of **public land**

River Management

- TVA maintains the structural, seismic and hydraulic integrity of the Kentucky Dam project.
- TVA operates Kentucky Dam and Reservoir 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 Kentucky Lock, serving 35 ports and terminals. About 30 million tons of cargo moved through the facilities in fiscal year 2021.
- Kentucky Dam and Reservoir are operated to reduce crests on the lower Ohio and Mississippi rivers.
- Four industries and three mining companies in Kentucky draw water from Kentucky Reservoir. Water also is drawn for irrigation.

Other TVA Operations

Kentucky households achieved
584,056 kilowatt-hours
of Energy Efficiency savings

344 Home Energy Evaluations
62 DIY Home Energy Assessments
31 Home Uplift Homes

211 new homes and 24 existing homes were provided incentives to install Smart Electric Technologies.

Businesses achieved
13.9 million kilowatt-hours
of Energy Efficiency savings

1.25M kWh added via electrification
\$141,260 in TVA incentives

Demand Response
144 participating businesses

163 megawatts potential peak load reduction
\$10.9 million in TVA incentives

Personnel

465 TVA employees

1,390 TVA retirees

Economic Impact

8,000 jobs created or retained

\$515 million invested

TVA Suppliers

Supplies Purchased from Kentucky Vendors

\$19.4 million fossil fuels & associated services

\$177.5 million non-fuel materials and services

Tax Equivalent Payments

\$29.65 million Paid in lieu of taxes