

TVA in Kentucky



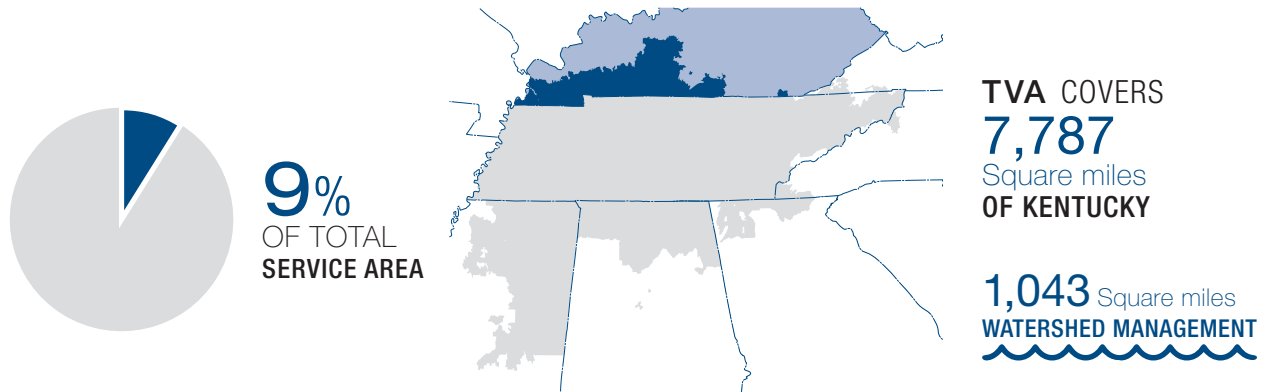
FISCAL YEAR 2019 (OCTOBER 2018 – SEPTEMBER 2019)

Energy Sales

| SOLD | PROVIDED | SERVED | HOME TO | REVENUE |
|---|---|---|--|--|
| 7.4 billion kilowatt-hours OF ELECTRICITY TO 10 municipals & 5 co-ops | 3 billion kilowatt-hours OF ELECTRICITY TO 210,000 HOUSE HOLDS Through the LPCs | 4 billion kilowatt-hours OF ELECTRICITY TO 47,000 Commercial & Industrial Customers* Through the LPCs | 17 DIRECT- SERVED customers PURCHASING 3.4 BILLION kilowatt-hours OF ELECTRICITY | \$691 million power revenue IN KENTUCKY 2019 6.1% of TVA TOTAL Operating Revenue |

*79 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.

Power Generation and Transmission

- In Kentucky, TVA operates one hydroelectric dam (Kentucky Dam), eight combustion turbines (in Marshall County), two coal-fired power plants (Shawnee and Paradise) and a combined-cycle gas plant (Paradise) with a total capacity of more than 4,100 megawatts.
- TVA operates one solar facility in Kentucky: a 41-kilowatt site at Lovers Lane Soccer Complex in Bowling Green.
- Paradise Units 1 and 2 were retired in 2017. In 2019, the TVA Board of Directors approved the retirement of Paradise Unit 3 by December 2020.

54 substations &
 switchyards
 MILES OF
 transmission
 LINE **1,590**

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 hosted 28,118 visitors during fiscal year 2019.

2,000 miles of
SHORELINE

60,000
ACRES of PUBLIC LAND

River Management

- TVA maintains the structural, seismic and hydraulic integrity of Kentucky Dam, which at 8,422 feet is the longest dam on the Tennessee River.
- 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. Approximately 22 million tons of cargo moved through the facilities in fiscal year 2019.
- Kentucky Dam and Reservoir are operated to reduce crests on the lower Ohio and Mississippi rivers.
- Five industries and one mining company in Kentucky draw water from Kentucky Reservoir. Water also is drawn for irrigation.

Other TVA Operations

Kentucky households achieved
373,773 kilowatt-hours
OF ENERGY EFFICIENCY SAVINGS

424
eSCORE
174
SELF-AUDITS
26
HOME UPLIFT HOMES

204 new homes were built and 49 existing homes were incentivized to install Smart Electric Technologies.

Tax Equivalent Payments

\$38.8 million
PAID IN LIEU OF TAXES

Personnel

519
TVA **EMPLOYEES**

1,432
TVA **RETIRES**

Economic Impact

6,000
JOBS created or retained

\$1.2 billion
INVESTED

TVA Suppliers

SUPPLIES PURCHASED FROM KENTUCKY VENDORS **\$193.7** million
fossil fuels & associated services

\$192.7 million
non-fuels materials and services