

# TVA in Kentucky



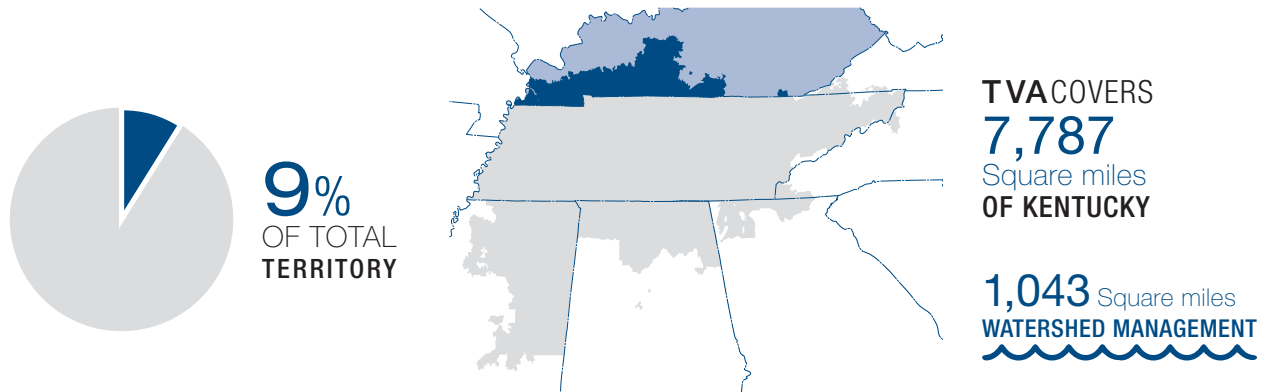
FISCAL YEAR 2017 (OCTOBER 2016 – SEPTEMBER 2017)

## Energy Sales

SOLD	PROVIDED	SERVED	HOME TO	REVENUE
<b>7.1 billion</b> kilowatt-hours <b>OF ELECTRICITY TO</b> <b>10</b> municipals & <b>5</b> co-ops	<b>2.7 billion</b> kilowatt-hours <b>OF ELECTRICITY TO</b> <b>207,817</b> HOUSE HOLDS through the LPCs	<b>4.1 million</b> kilowatt-hours <b>OF ELECTRICITY TO</b> <b>45,480</b> Commercial & Industrial Customers* through the LPCs	<b>17</b> DIRECTLY SERVED Customers <b>PURCHASING</b> <b>3</b> BILLION kilowatt-hours OF ELECTRICITY	<b>\$669 million</b> Power Revenue <b>IN KENTUCKY 2017</b> <b>6.3%</b> of TVA TOTAL operating revenue

\*83 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 one combined cycle gas plant (Paradise).
- TVA operates a 41-kilowatt solar site at Lovers Lane soccer complex in Bowling Green.

**57** substations &  
switchyards  
**1,668**  
 MILES OF  
 transmission  
 LINE

## 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 state, local and regional stakeholders to improve water quality, shoreline conditions, recreation and biodiversity.
- Kentucky residents enjoy camping, fishing, boating, swimming and other recreational opportunities provided by Kentucky Reservoir, as well as economic benefits resulting from recreation and tourism.
- The TVA visitor center at Kentucky Dam hosted 31,000 visitors in 2017.

**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 which can 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 27 million tons of cargo move through the facilities in fiscal year 2017. Kentucky Dam and Reservoir are operated to reduce crests on the lower Ohio and Mississippi rivers.
- Six industries in Kentucky draw water from the Tennessee River system. Water also is drawn for irrigation.

### Other TVA Operations

Kentucky households achieved  
**1.51** million kilowatt-hours  
**OF ENERGY EFFICIENCY SAVINGS**

598  
eSCORE

348  
SELF-AUDITS

290 new homes were built and 10 new home builders were incentivized for installing Smart Electric Technologies.

### Tax Equivalent Payments

**\$34.4** million  
**PAID IN LIEU OF TAXES**

### Personnel

**597**  
TVA **EMPLOYEES**

**1,461**  
TVA **RETIREES**

### Economic Impact

**6,000**  
**JOBS** created or retained

**\$1.1** billion  
**INVESTED**

### TVA Suppliers

**SUPPLIES PURCHASED FROM KENTUCKY VENDORS**

**\$307** million  
fossil fuels & associated services

**\$441** million  
non-fuels materials and services