

River Management



TVA uses its 49 dams to manage lake levels and river flows to balance competing demands on the Tennessee River system. Whether it's heavy rains or drought, TVA team members work around the clock, managing the Tennessee River system to provide multiple benefits for the region, including flood control, navigation, hydroelectric power generation, recreation, and water quality and supply, and protection of natural resources.

The Tennessee River system and public lands managed by TVA include 11,000 miles of reservoir shoreline, 293,000 acres of reservoir land, and 650,000 surface acres of reservoir water.

49 Dams

Hydroelectric and non-power

5,472 MW

Summer net capability

Conventional hydroelectric and pumped-storage

Over

40,000 Miles of Rivers, Streams and Tributaries

Including the 652-mile Tennessee River

Flood Damage Averted

About \$10.1 Billion Since 1936

\$340 Million Annually on Average

Flood Damage Averted from Helene

About \$406 Million in Autumn 2024

Water Source for over

5.2 Million People

For thermoelectric, industrial, public and agricultural needs

TVA Manages Approximately

148 Public Recreation Areas

Including campgrounds, day-use areas and boat launching ramps

TVA Reservoirs and Recreation Serve as a Driver for

Nearly \$12 Billion total economic activity

130,500+ Jobs

\$916 Million in state and local taxes

50 Million Tons of Products a Year

Shipped with TVA navigation support

On 800 miles of commercially navigable waterways

Increased Dissolved Oxygen Levels in

More than 300 Miles of River

Downstream from TVA dams

More than 240 Fish Species are Native

To the Tennessee Valley