

# Built For The People



**Partnering  
with 153 Local  
Power Companies  
every day we serve:**

**Approximately  
10 Million People**

**Over 750,000  
Businesses**

**In addition to:  
56 Directly Served**

Large corporations  
and federal installations

**Across  
Seven States**

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## Our mission

At TVA, our unique, long-standing mission drives and inspires us daily to pursue new ideas and innovative solutions to improve our service to you. Our mission is just as relevant today as it was nearly nine decades ago when Congress created TVA: harness the potential of the rich resources of the Tennessee Valley region to make life better for the people who call it home. The strength of TVA is its people...an experienced, talented team committed—each and every day—to improving the quality of life for the approximately 10 million people we serve.

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## Largest Public Power Provider

In the United States

## 3rd Largest Electricity Generator in the Nation

Based on Total Electric Generation in 2019

## Nation's 2nd Largest Transmission System

**In high voltage lines among United States Utilities**

16,300 miles of high voltage lines and  
69 interconnections with neighboring electric systems

## 3rd Largest Nuclear Fleet

In the United States, providing over 40% of TVA's energy

## 5 Coal-Fired Sites with 25 Units

## 9 Combustion Turbine Gas Sites with 86 Units

## 8 Combined Cycle Gas Sites with 14 Units

## 29 Power-Generating Dams with 109 Units

## 3rd Largest Pumped Storage Hydro Plant in the Nation

Capable of producing 1,635 megawatts of net summer capability on demand

## 99.999% Reliability Since 2000

Top-decile industry performance

Over

## 40,000 Miles of Rivers, Streams and Tributaries

Including the 652-mile Tennessee River

## Approximately 341,000 Jobs & Over \$45.4 Billion

Capital investment in the Tennessee Valley generated  
by TVA economic development activity over the past five years



## One of nation's largest, most diverse and cleanest generation portfolios

The focus on providing clean, low-cost, reliable power to the Tennessee Valley is foundational to the TVA mission of service. TVA has a diverse, dynamic and adaptable generation portfolio that includes nuclear, coal, gas, hydro and other renewables, with an emphasis on maintaining safe operations and secure facilities.

### Generating Assets

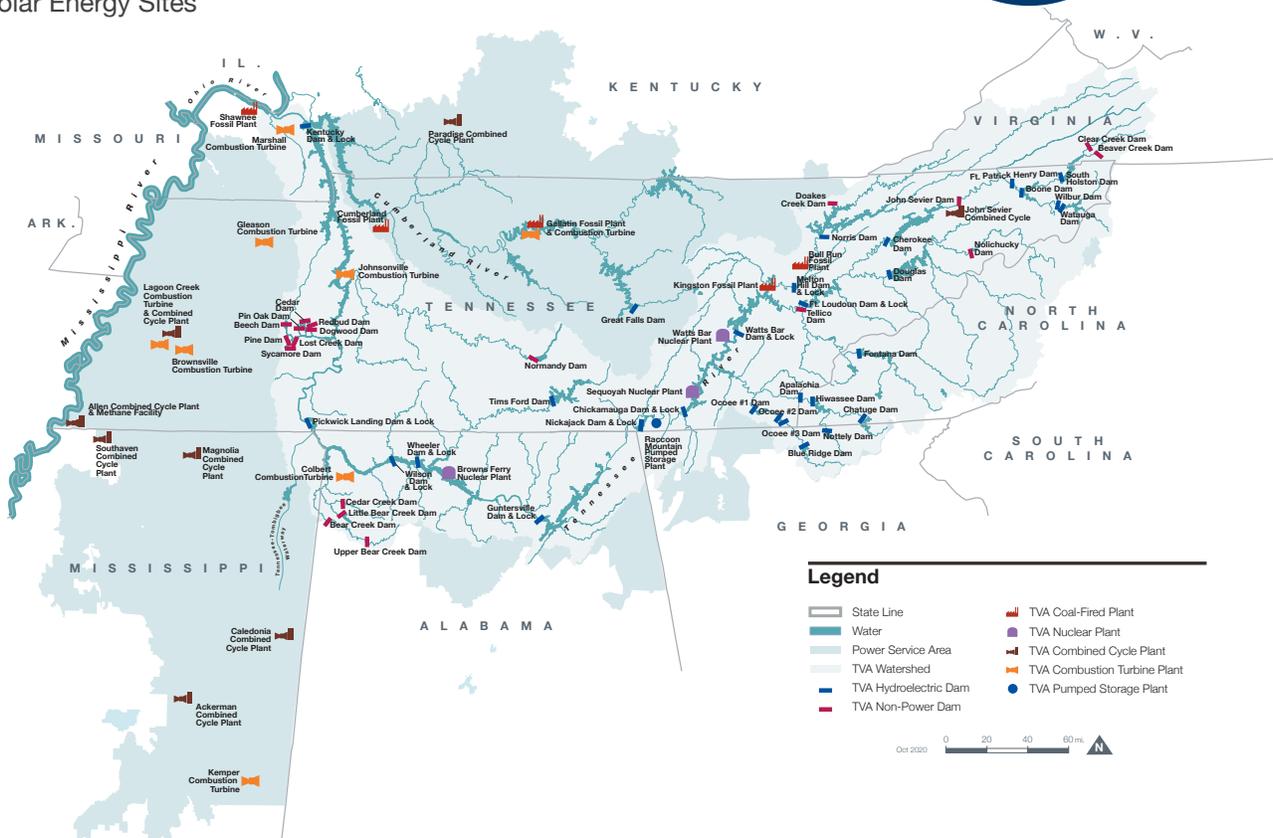
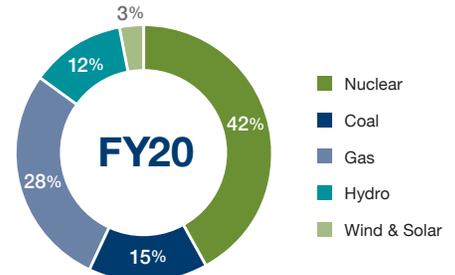
- 3 Nuclear Sites (7 Units)
- 5 Coal-Fired Sites (25 Units)
- 29 Hydroelectric Sites (109 Units)
- 1 Pumped-Storage Site (4 Units)
- 9 Combustion Turbine Gas Sites (86 Units)
- 8 Combined Cycle Gas Sites (14 Units)
- 1 Co-Generation Unit
- 14 Solar Energy Sites

## 36,937 MW

Summer Net Capacity

Adding  
**7,000 to 10,000 MW of solar energy by 2040**

### Robust and Diverse Energy Portfolio\*



# Environmental Leadership



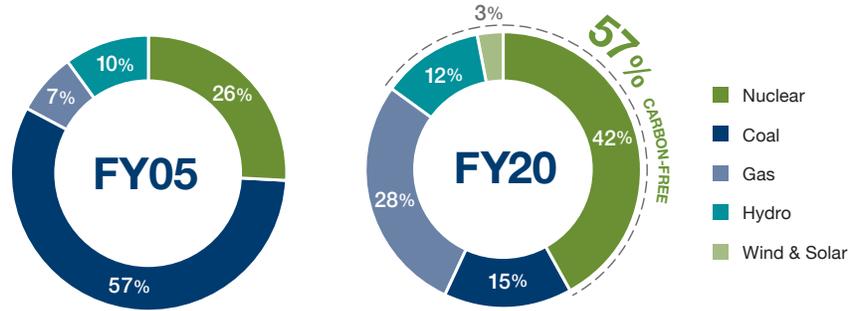
TVA is a regional leader in carbon reduction. We're a public power company with a concrete plan to reduce carbon levels even more over the coming years. TVA is in the top quartile for carbon reductions nationally—attributed to a strategically diversified and increasingly cleaner power generation portfolio.

TVA also boasts the highest amount of renewable generation in the Southeast and expects to add 7,000 to 10,000 MW of solar energy by 2040. At the same time, we'll offer uncapped, industrial-scale solar installations to private industrial customers through our proprietary Green Invest program. Our award-winning, proprietary Green Invest program enables uncapped, utility scale solar installations to meet the sustainability needs of a variety of customers. We currently serve auto manufacturing, big tech, universities, local power companies and city government. TVA has contracted to add 1,175 MW of new-to-the-world utility scale solar.

TVA will remain committed to clean nuclear, which is over 40% of our generating portfolio.

Low carbon, low rates, significant growth in solar energy, and high reliability—that's TVA.

## Robust and Diverse Energy Portfolio\*



By 2030, Carbon Reduction Forecast  
**70% Decrease in CO<sub>2</sub>**

Through CY 2019,  
**Reduced Carbon Emissions 55%**  
From 2005 levels

**Top Quartile Nationally**  
In SO<sub>2</sub> and NO<sub>2</sub> emissions reductions

**Top Quartile among Industry Peers**  
In Clean Energy

**\$15 Billion Invested**  
In cleaner, more diverse generation since 2013

Carbon-emission rate  
**22% Below the National Average**  
Based on latest data from 2019

**Nearly 50% More Renewable Energy Generation**  
Than TVA's next closest regional peer

**227,767 MWh**  
Green power sales

Community solar already available to  
**Over 1 Million Customers**

# River Management



TVA uses its 49 dams to manage lake levels and river flows to balance the competing demands on the reservoir system. Whether it's heavy rains or drought, TVA's River Management Team works around the clock, managing the Tennessee River system to provide a variety of benefits, including flood control, navigation, hydroelectric generation, recreation, and water quality and supply.

## 49 Dams

Hydroelectric & non-power

## 5,394 MW

Summer net capability

Over

## 40,000 Miles of Rivers, Streams and Tributaries

Including the 652-mile Tennessee River

## 11,000 Miles of reservoir shoreline

## 293,000 Acres of reservoir land

## 650,000 Surface Acres of reservoir water

## Flood Damage Averted

## Over \$9.5 Billion Since 1936

## \$300 Million Annually on Average

**\$1 Billion** in potential flood damage prevented in fiscal year 2020

Despite **150%** of normal rainfall

## Water Source for over

## 5 Million People

Using 10 billion gallons in the Valley every day

## TVA Manages Approximately

## 100 Public Recreation Areas

## TVA Conservation & Responsible Recreation

Serve as a Driver for

## Nearly \$12 Billion total economic activity

## Over 130,500 Jobs

## \$916.5 Million in state and local taxes

## Tennessee River Enables Movement of

## Nearly 50 Million Tons a Year

## Saving \$500 Million

Per year in shipping costs

## Approximately 300 Fish Species are Native

in the Tennessee Valley

# Economic Development



TVA Economic Development works to attract new companies and investments to the region, engage existing business and industries, and serve with our partners to help communities prepare for economic growth.

## Approximately 341,000 Jobs & Over \$45.4 Billion

Capital investment in the Tennessee Valley generated by TVA economic development activity over the past five years

## Approximately 67,000 Jobs & Over \$8.6 Billion

Capital investment in the Tennessee Valley in fiscal year 2020 alone

## Top Utility in Economic Development 15 Consecutive Years

By Site Selection Magazine

## Notable Wins

Boeing, LG Electronics, Volkswagen, Amazon, Alliance Bernstein, Bridgestone, Denso, Facebook, Google, Nokian Tires, Mazda-Toyota, Tyson, Nissan, Philips Healthcare

## Rural Development

Rural Leadership Institute / Rural Certified Communities

## Telework Technology Grant

Assistance for rural or economically distressed communities to enhance technology capabilities that support remote work opportunities

## Technical Services

Site evaluations & master planning, 3D renderings, video, photography, virtual reality

## Product Development

Financial support for communities to make sites and buildings more marketable for companies to locate and grow

## Workforce Analytics Company Research

Support communities in fulfillment of information for company prospects

## Community

Training & development, facilitation services, leadership training, workforce training, young talent development

# Strength & Stability



The Tennessee Valley Public Power Model delivers unmatched value with low, stable rates. TVA's competitive service is sustained through disciplined financial management and reduced fuel and operating costs.

## Effective Wholesale Rates Flat, Stable and Low

For past seven years and through next decade

## 2021 Projection is that TVA's Effective Rate, Including base rate and fuel, will be Lower than it was a Decade Ago

## Residential Rates Lower than 70% of the top 100 U.S. Utilities

Based on EIA data for CY 2019

## Industrial Rates Lower than 90% of the top 100 U.S. Utilities

Based on EIA data for CY 2019

## Sustained \$800 Million Annual Operating Cost Reductions

## \$1 Billion Annual Fuel Cost Reductions

Lowest fuel costs in over 10 years

## Reduced Total Financing Obligations To \$21.4 Billion

From peak-level of near \$28 Billion in 1996

## Entirely Self-Funded Since 1999



# Community Support & Assistance



TVA is part of every community we serve. We strive to be trusted neighbors through corporate giving, employee volunteer efforts and programs providing support and assistance to those in need.

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## **\$200 Million Pandemic Relief Credit**

For LPCs, their large commercial and industrial customers, and TVA directly served customers

## **Community Care Fund Over \$4 Million**

Disbursed in FY20 (TVA and matching)

**Additional \$2 Million Available**

## **TVA Donated an Additional \$3 Million**

To organizations across the Valley

## **Over 1 Million Meals**

Distributed through Feeding America Partnership in FY 2020

## **More than \$1.1 Million in Grants**

For STEM and robotics

## **Sponsored 200+ Robotics Competitions and 350 teams**

In fiscal year 2020

## **Approximately \$10 Million in Back-to-Business Incentives**

For large commercial & industrial customers

## **\$1 Billion in Credit Support**

Available to 153 local power companies across seven states

## **4,400+ Employee Volunteer Hours**

In fiscal year 2020

# The Strength of TVA is its People



At TVA, we are powered by people – nearly 10,000 employees who strive to make life better in the Valley.

We are talented and passionate individuals who live by our values of safety, integrity, inclusion and service. And, we each bring our unique and best selves to work every day, drawing strength from our diversity while cultivating a culture of inclusion.

Our focus on values and efforts to create an environment where everyone is included, respected and welcomed makes us a destination for difference makers.

The backbone of the workforce  
**Nearly 10,000 Employees**

Named the  
**No. 2 Employer  
In the State of Tennessee**

On Forbes' list of America's Best Employers



Named a  
**2020 Leading Disability Employer**  
by the National Organization on Disability



**Veterans** make up nearly **20%** of the workforce

National recognition as a  
**Top 10 Military Friendly® Employer**  
**Military Spouse Friendly® Employer**



Largest contributor to the  
**Helmets to Hardhats Program**

In the US, in partnership with NABTU, serves on the Helmets to Hardhats Board

**2020 Diversity Impact Awards™ Top 10**

**Enterprise-Wide ERG Award**  
By Association of ERGs & Councils

## Code of Excellence

**150 TVA Ambassadors**  
To improve the culture

**Highest Craft Employee  
Satisfaction Rate**  
In TVA recorded history

## Unions

**60% of employees**  
Represented by unions

**Two historic 10-year  
agreement extensions**  
With unions

**17 different unions**  
Represent TVA employees  
and contractors

## Safety

**Top Decile**  
In recordable injury rate

**Top Decile**  
In serious injury rate