



# Building a Sustainable Future

**TVA was built to serve this region and the nation by developing innovative solutions to complex challenges— today and for the generations to come. TVA’s unique mission focuses on energy, environmental stewardship and economic development. Sustainability is woven into that mission of service, which has remained constant since TVA’s inception in 1933.**

More than 90 years later, TVA is still demonstrating that it is possible to protect and preserve the planet and drive regional prosperity at the same time. TVA’s seven-state service area has emerged as a preferred destination for new businesses and new residents from across the nation.

Upholding a proud tradition of progress and innovation, TVA is committed to a sustainable, clean energy future. The challenge and opportunity of the energy transition is clear, and TVA is prepared to once again lead the way in building a sustainable future.

## Leading the way to a clean energy future

The transition to a clean energy economy is as revolutionary today as was the rural electrification of the 1930s. Because the technology available today won’t meet the needs of tomorrow, we are working with partners to develop the technology that will power our shared future— funding the research and development of innovations such as hydrogen, new pumped storage, long-duration battery storage, and carbon capture, utilization and sequestration.

Energy efficiency is a powerful alternative to building new generation capacity— so much so that TVA expects to offset about 30% of new load growth over the next decade through our EnergyRight® energy efficiency programs and our partnerships with local power companies to bring these programs to communities and industries across the service region.

- **53% carbon emissions intensity reduction** against a 2005 baseline in CY 2023
- **55% power from carbon-free sources** delivered
- **356,536 tons of carbon avoided** through TVA EnergyRight and TVA Green programs
- **3.63 GWh of energy saved** through energy efficiency improvements in TVA buildings



TVA reduced **carbon emissions intensity by 53%** against a 2005 baseline and aspires to achieve **net-zero emissions by 2050.**

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## Protecting the region's air, land, water and cultural resources

TVA is unique among power generators in its responsibility to manage and sustain the Tennessee River system, the public lands along its shorelines, and the natural and cultural resources they contain. TVA's holistic Environmental Policy and Biodiversity Policy guide its continued stewardship of one of the most biodiverse regions in the world.

- **254,890 acres** of habitat protected and managed under TVA's Natural Resource Plan
- **267 biodiversity activities** in partnership with 132 local, state and federal organizations to conserve species and habitat
- **Improved accessibility** of public lands through new adaptive mountain biking trails and accessible docks
- **Reduced emissions** of NO<sub>x</sub> by 97% and SO<sub>2</sub> by 99% from historic peaks in 1995 and 1977, respectively

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## Powering economic success in the region

TVA's affordable, reliable, resilient and clean energy is among the deciding factors for many companies looking to establish or expand manufacturing operations in North America. TVA works to support diverse, local supply chain partners and to make the region an attractive place to live, work and visit.

- **\$9.2 billion** in projected capital investments
- **\$45.9 billion** in projected capital investments based on performance in the past five years
- **\$522 million** spent with diverse businesses
- **\$9.7 billion** in estimated flood damage averted over TVA's recorded history through TVA's state-of-the-art river management system



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Read the full report at  
[tva.com/sustainabilityreport](https://tva.com/sustainabilityreport)



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## Investing in local communities

Through the Valley Public Power Model, TVA reinvests revenue into the region's communities. TVA's corporate giving, employee volunteer efforts and innovative community programs are part of building a sustainable future for the region.

- **\$10.4 million** donated in community contributions and disaster relief
- **\$1.5 million** donated in record-setting STEM grants to regional schools, in partnership with Bicentennial Volunteers Incorporated
- **\$2 million** donated through the Connected Communities initiative, supporting economic empowerment, broadband and digital literacy, energy and environmental justice and enhanced community resiliency
- **27 STEM centers** to open through \$1.1 million partnership between TVA and the Cal Ripken, Sr. Foundation

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## Strong governance leads to a secure energy future

Transparency and engagement are critical to the success of the public power model. TVA's governance structure provides the oversight and perspective necessary to manage risk, drive progress and maintain the public trust that's at the heart of fulfilling TVA's mission of service.

- **Integrated Resource Plan** development underway evaluating operating scenarios through 2050
- **Tribal Relations program** continued work to strengthen relationships with more than 20 federally recognized Tribes that have a religious or cultural interest in the region
- **Ethisphere Verification** for best-in-class ethics program maintained

*All values are for FY 2023 unless otherwise indicated.*

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