

TVA's Decarbonization Leadership



Low carbon, low rates, high reliability and innovation – that's TVA.

We will continue achieving deep carbon reduction as we build the energy system of the future and work with partners in the Tennessee Valley to accelerate the clean energy economy.

TVA is an industry leader in low-carbon energy. We will continue this leadership through innovation and collaboration, while never compromising the reliability and low rates that sustain the communities we serve. Our commitment to clean energy aligns with our mission of service, which also includes protecting natural resources and supporting economic growth in the region.

TVA has already achieved a 63% reduction in our mass carbon emissions since 2005.

Carbon Reduction Goals

63%

Accomplished

Our Plan

70%

by 2030

Our Path

~80%

by 2035

Our Aspiration

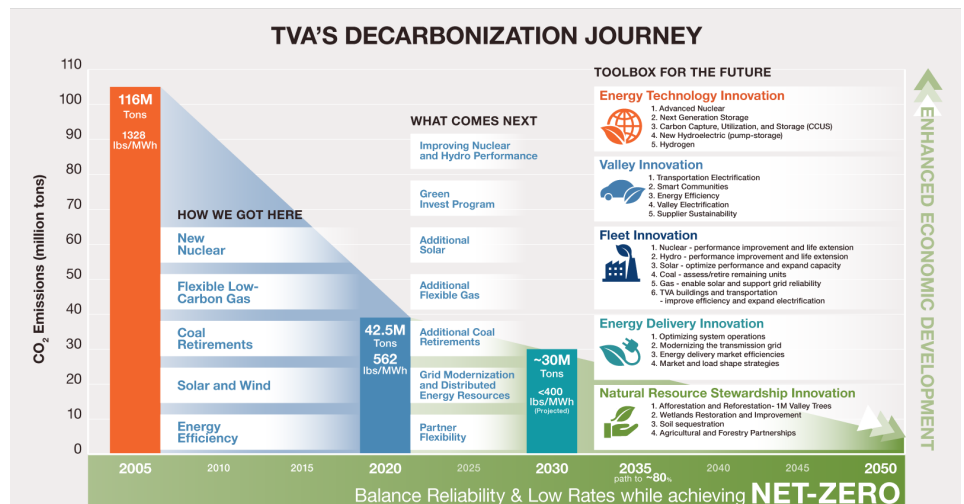
Net-Zero

by 2050

TVA's Decarbonization Journey

TVA's focused efforts to build a robust, diverse power generation mix have led to our 63% reduction in mass carbon emissions since 2005.

We have a plan to achieve 70% reduction by 2030 and a path to achieve approximately 80% reduction by 2035. We aspire to achieve net-zero carbon emissions and to support broader national efforts to decarbonize the economy.



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Deeper Decarbonization

We are currently evaluating over 30 carbon “levers” (or actions), such as modernizing our transmission grid, which could lead to deeper carbon reductions. Our analysis helps us understand the potential impacts and benefits of each lever.



TVA will use Guiding Principles as we work toward deeper decarbonization

Guiding Principles:

- Prioritize the needs of Valley stakeholders as we work to achieve our goals by maintaining low rates and high reliability, and stimulating new jobs in the Valley.
- Use best-available science and support research and policies that further carbon-free dispatchable technologies.
- Partner with our long-term local power company customers and other customers and communities to support economy-wide decarbonization efforts and the strategic electrification of other sectors, such as transportation.
- Maintain nuclear generation, hydro generation and a strong transmission grid as key enabling assets.
- Be transparent with stakeholders in measuring and sharing our progress, and listen and work effectively with all our stakeholders to understand their priorities and needs.
- Adapt to new technologies and changing policies, and be willing and open to change our plans and projects to achieve deep carbon reduction.