

TVA Presents Latest Modeling Results at August IRP Working Group Meeting

***Editor's Note:** TVA and stakeholders are working on TVA's next Integrated Resource Plan (IRP) to determine how TVA could meet customer demand for electricity between now and 2050 across a variety of possible futures that TVA could find itself operating in. A programmatic Environmental Impact Statement (EIS) will accompany the IRP to address its environmental effects.*

TVA and the IRP Working Group, a diverse group of stakeholders, met on Aug. 5, 2024, in Chattanooga, Tennessee, to discuss a variety of topics related to the IRP, including the latest IRP modeling results. Much of the information covered in the meeting is pre-decisional and the details cannot be shared publicly at this time. A summary follows below.

TVA staff and the Working Group reviewed scenarios and strategies, including the new scenario – Scenario 6, Reference with Greenhouse Gas Rule. As background, the IRP process evaluates scenarios, or potential future worlds, that could arise over the next few decades and what strategies TVA could use to continue to provide affordable, reliable, resilient and increasingly cleaner energy in any of these future conditions. TVA modeled five strategies across six scenarios. The modeling generated 30 unique potential resource “portfolios” – the power supply mix that results from assessing a particular strategy in a particular scenario.

When TVA learned in spring 2024 that the Environmental Protection Agency was very close to releasing its final Greenhouse Gas Rule, TVA paused the IRP publication to allow for additional analysis that incorporates the finalized rule into the IRP.

At the August Working Group meeting, TVA presented in detail updated draft IRP modeling results, which were completed in July 2024.

At the August meeting, TVA and the Working Group also discussed:

- Incremental generation capacity changes through 2035 and through 2050 for the total power system, hydro and renewables, storage, nuclear, gas, distributed generation and demand-side resources. Capacity refers to the largest amount of power a resource is able to generate.
- Overall draft IRP results.
- The new IRP website and the schedule of upcoming meetings with stakeholders.
- Ways to help stakeholders and the general public understand the IRP and its importance in shaping the energy system of the future.
- Stakeholder and public feedback to the IRP and how TVA is incorporating the feedback into the IRP process.
- The framework the U.S. Department of Energy developed to evaluate emerging technologies and their readiness for adoption, and how TVA will use readiness assessments for the resource technology options evaluated in the IRP.