

TVA and IRP Working Group Review Latest IRP Modeling

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 held a virtual IRP Working Group meeting on July 26, 2024, to provide modeling assumption updates and to discuss the updated results for Scenario 1 (Reference without Greenhouse Gas Rule) and preliminary results for a new scenario (Scenario 6 – Reference with Greenhouse Gas Rule).

Hunter Reed, IRP project manager, reviewed the six scenarios (futures TVA could find itself operating in) and the five strategies (business strategies TVA could employ in those scenarios). (More information on scenarios and strategies is available [here](#).)

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. That analysis led to the sixth scenario – Reference with Greenhouse Gas Rule.

Identifying scenarios and strategies is a critical step in the IRP process because they serve as the basis for modeling. TVA modeled the five strategies in the 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.

Reed explained that TVA is reflecting the Inflation Reduction Act (IRA) in IRP modeling. All IRP scenarios incorporate tax credits available through the IRA. Most scenarios assume a 40% investment tax credit (ITC) for all eligible resources. Reed also reviewed modeling information that is confidential and pre-decisional at this time.