

COMMITTED TO CLEAN

Keeping the grid reliable and resilient on the transformational path to net-zero carbon emissions



2022 Integrated Resource Plan Update

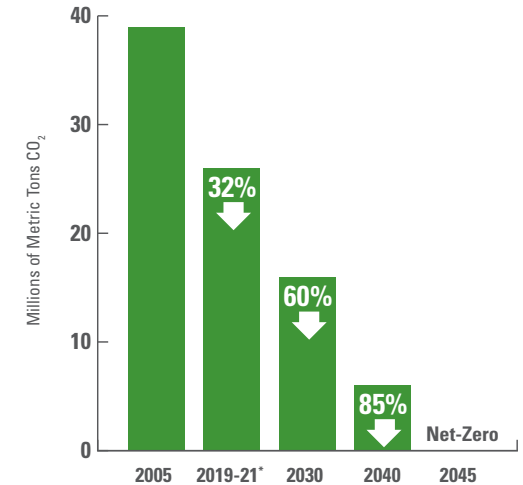
Ameren's updated plan:

- **Safeguards** energy reliability and resiliency for customers while focusing on affordability.
- **Commits** to an accelerated goal of net-zero carbon emissions by 2045.
- **Increases** renewable solar and wind energy generation additions by 2030.
- **Invests** billions of dollars, creating thousands of jobs.

Details include:

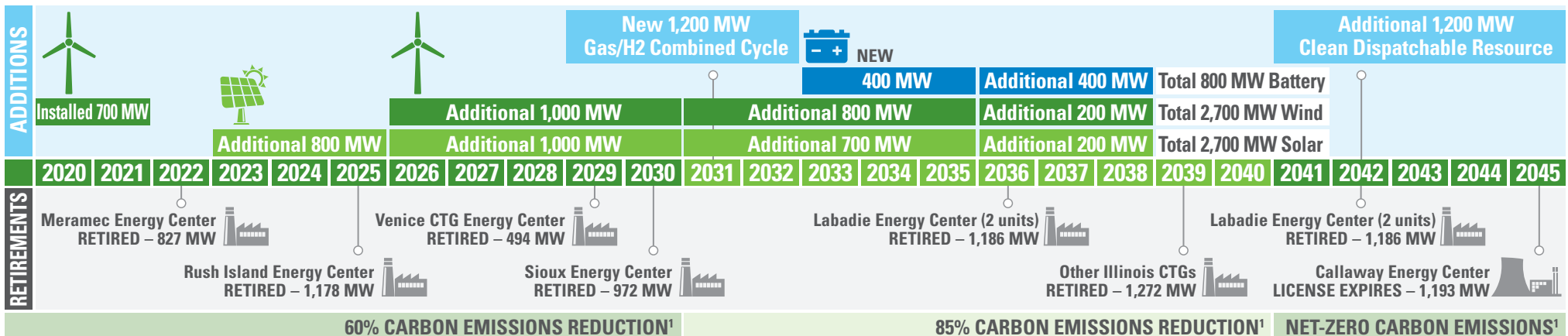
- **Accelerating** Ameren's companywide net-zero carbon emissions goal to 2045 while increasing the 2030 carbon emissions reduction target from 50% to 60% based on 2005 levels. The net-zero goal now encompasses both Scope 1 and 2 emissions including greenhouse gas emissions of methane, nitrous oxide and sulfur hexafluoride.
- **Retiring** more than 3,500 megawatts (MW) of fossil-fired generation by 2030, an increase from the 2020 IRP by more than 1,600 MW. By the end of 2030, three of the four Ameren Missouri coal-fired facilities are scheduled to retire.
- **Adding** 2,800 MW of additional new, clean, renewable generation by 2030 and a total of 4,700 MW by 2040.
- **Building** on an already solid base of Ameren Missouri's clean energy resources including nuclear, hydro, wind and solar.

Targeting Net-Zero Carbon Emissions by 2045¹



* Three-year average CO₂ emissions for 2019, 2020 and 2021.

Timeline



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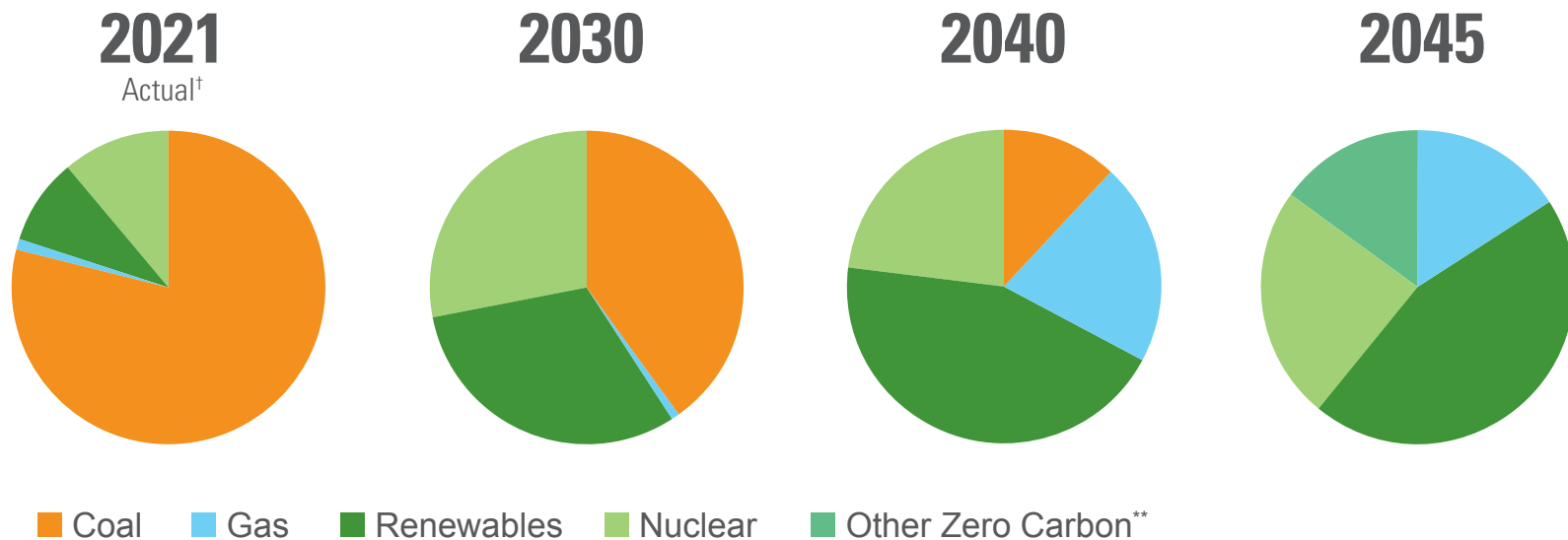
Focus on reliability

- Updated plan enhances reliability with dispatchable energy and provides greater flexibility to integrate new renewable resources.
- Ameren Missouri's current energy mix provides foundational, around-the-clock capability to meet customer energy needs.
- Existing generating units provide the base to integrate increasing amounts of renewable energy.
- Managed retirement dates of coal-fired fleet allows time for new clean and dispatchable resources to be developed.

Focus on affordability

- Rates are 25% lower than the Midwest average and 29% lower than the U.S. average.*
- Spreading out the addition of renewables while continuing low-cost existing generation helps keep energy costs more stable.
- The planning process places a heavy emphasis on minimizing energy costs impacts as we choose the best path forward to safely meeting our customers' needs.

Preferred Plan Generation Mix



Achieving these goals dependent on a variety of factors including cost-effective advancements in innovative clean energy technologies, and federal and state energy and economic policies.

* Average Residential Electric Prices - Edison Electric Institute Typical Bills and Average Rates Report for the 12 months ended June 30, 2021.

** Expected to include a combination of renewables, energy storage, nuclear generation and/or new technologies.

† Nuclear percentage reflects extended Callaway outage in 2021.