



2024 Kansas Integrated Resource Plan Update

May 17, 2024

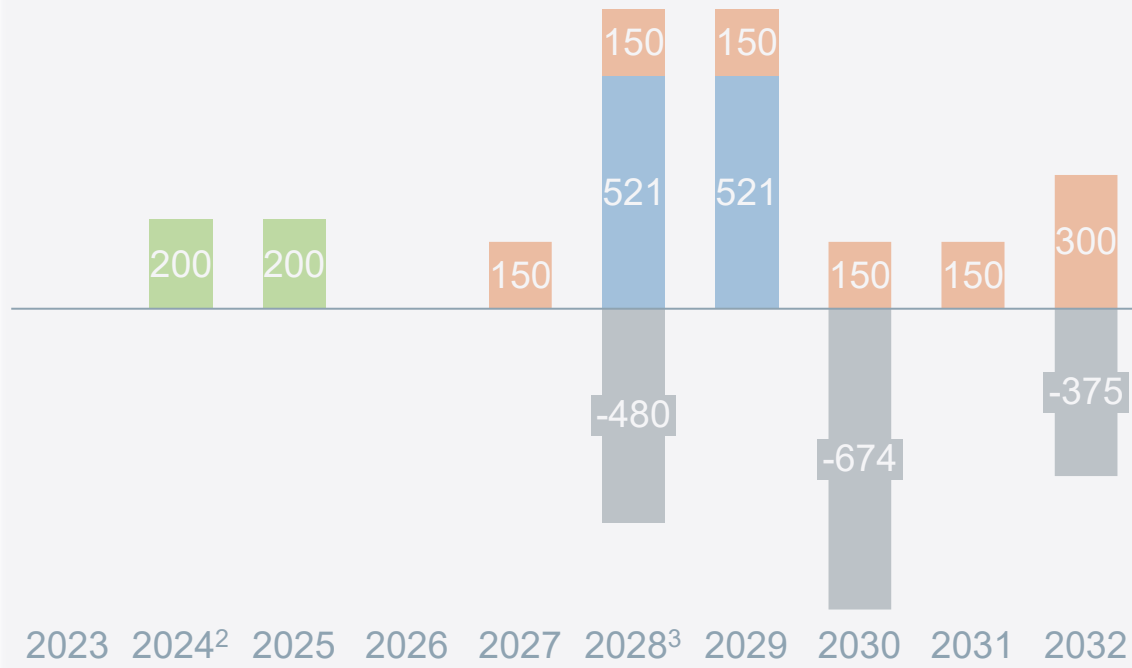




Evergy Kansas Central 2023 vs. 2024 IRP Update

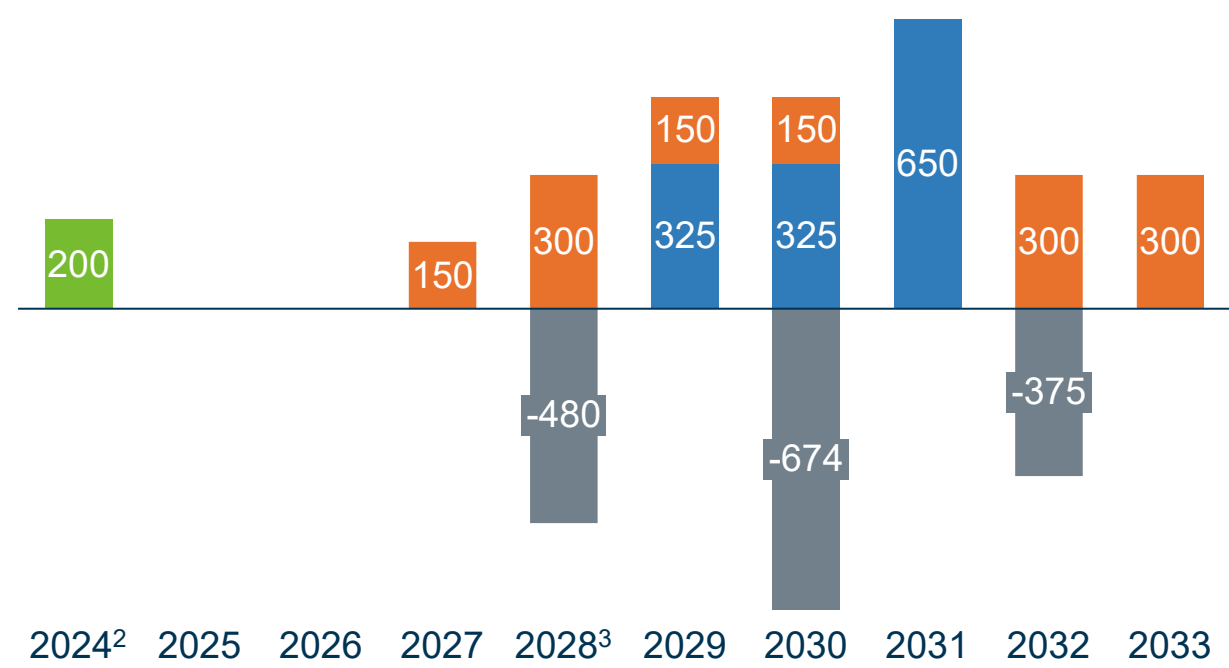
2023 IRP Update (June 2023)

Projected Additions & Retirements (MW)¹



2024 IRP Update (May 2024)

Projected Additions & Retirements (MW)¹



Wind Solar Natural Gas⁴ Coal Retirements⁵

2024 IRP Update adds 360MW over the next 10 years relative to the 2023 update

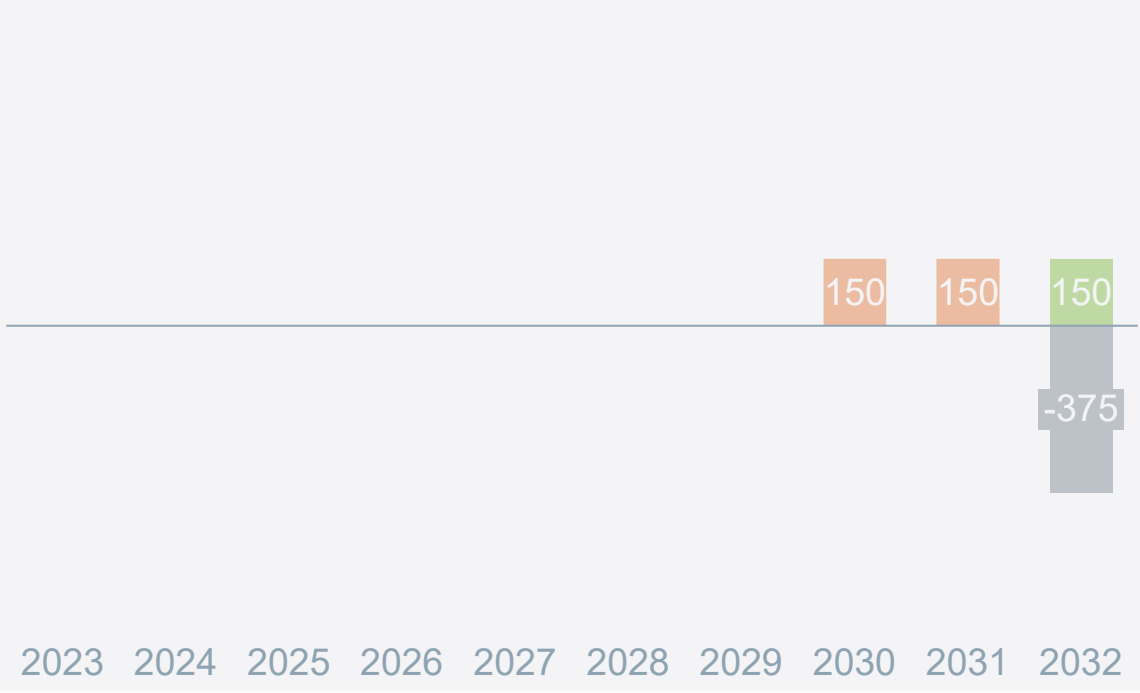
¹Reflects January 1 in-service and December 31 retirement date in each respective year ²Reflects Persimmon Creek acquisition completed in 2023 ³Lawrence Unit 4 (107MW) retires and Unit 5 (373MW) transitions to gas only (338MW) ⁴Preferred plan includes a placeholder for an additional coal unit retirement in 2030 ⁵Forecasted natural gas additions across 2029-2032 are hydrogen-enabled



Evergy Metro 2023 vs. 2024 IRP Update

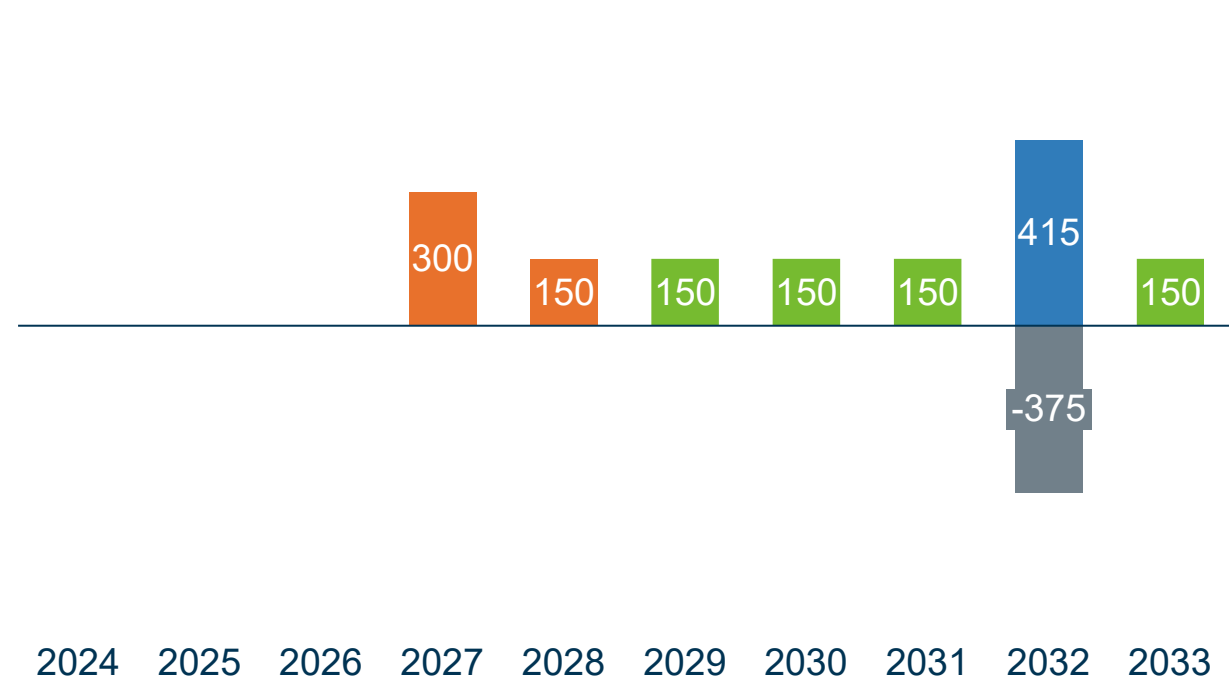
2023 IRP Update (June 2023)

Projected Additions & Retirements (MW)¹



2024 IRP Update (April 2024)

Projected Additions & Retirements (MW)¹



■ Wind
 ■ Solar
 ■ Natural Gas²
■ Coal Retirements³

Forecasted resource additions support anticipated load from the Google data center and positive underlying demand trends

¹Reflects January 1 in-service and December 31 retirement date in each respective year ²Forecasted combustion turbine addition in 2032 is hydrogen-enabled ³Reflects Metro's proportional ownership