



Kingston energy storage regulations

Kingston energy storage regulations

Kingston Town House 26 Evergreen Street Kingston, MA 02364 Phone: 781-585-0500 Fax: 781-585-0542

Office Hours (may vary by Department): M 8:00am-4:30pm TU 8:00am-6:00pm W 8:00am-4:30pm TH 8:00am-4:30pm F 8:00am-11:30am

Certrec Sentinel Newsletter November 2024 Certrec Sentinel Newsletter October 2024 Certrec Sentinel Newsletter September 2024 Certrec Sentinel Newsletter August 2024 Certrec Sentinel Newsletter July 2024 Certrec Sentinel Newsletter June 2024 Certrec Sentinel Newsletter May 2024 Certrec Sentinel Newsletter April 2024 Certrec Sentinel Newsletter March 2024 Certrec Sentinel Newsletter February 2024

The Kingston coal-fired units have experienced a significant decline in material condition over the last five years.

Following a multi-year public process, the Tennessee Valley Authority has officially made the decision to retire its coal-fired units at the Kingston Fossil Plant and build an energy complex at the site by the end of 2027.

This was not unexpected, but the federal utility officially announced the decision Tuesday. Kingston's nine coal-fired units at Kingston by the end of 2027. To replace that generation, TVA will build an energy complex that will house at least 1,500 MW of combined-cycle capacity with dual-fuel aeroderivative natural gas combustion turbines. The Kingston site would also include 100 MW of battery storage and up to 4 MW of solar generation.

TVA was originally considering either a natural gas plant or a solar + storage site, and said a combined-cycle plant paired with dual-fueled aero turbines would be the best overall solution to provide low-cost, reliable energy to TVA's power system, and could be built and become operational sooner than the solar and storage. It ultimately decided to implement both, and the natural gas generation will be in operation prior to Kingston Fossil Plant's retirement.

The idea was presented in TVA's Final Environmental Impact Statement issued by the federal utility Feb. 16 after a public review process last year over how to replace the coal-fired units at Kingston.

We have a detailed workforce plan in place to maintain coal plant expertise and provide opportunities for employees to evaluate options and prepare for next career steps, said Kris Edmondson, TVA vice president of Power Operations. The plan includes opportunities to transfer to other TVA locations where employee skillsets are needed, positions in other technologies offering training to support transition to a new job in TVA, and supporting employees interested in retiring.

TVA says it will continue to evaluate the remaining coal fleet for retirement and replacement generation. To reduce operational, economic and environmental risks, TVA is anticipating retiring its entire coal fleet by the mid-2030s.

Kingston's nine units can generate about 1.4 GW of electricity at capacity. The plant, located about 35 miles west of downtown Knoxville, entered operations in the 1950s.

TVA said frequent cycling of Kingston's coal units, reflected in start-up and shutdown events, are currently averaging more than 85 times per year, which the utility said is outside the intended design of the plant.

Contact us for free full report

Web: <https://kary.com.pl/contact-us/>

Email: energystorage2000@gmail.com

WhatsApp: 8613816583346

