



## New Cooper Station 745-MW generating unit

Cooper Station in Burnside, Ky., is a 341-megawatt coal-fueled power plant that provides important voltage support for the Southern Kentucky grid.

EKPC forecasts demand for electricity will continue growing and exceed the capacity of its current fleet by the end of this decade. During the winters of 2022/23 and 2023/24, EKPC set new all-time peak demand records due to extreme cold events when large amounts of electricity were being used for heating.

**Schedule:** Commercial operation December 2030

**Cost:** \$1.317 billion

- EKPC plans to construct a new innovative, highly efficient electric-generating unit at Cooper Station.
- The new 745-megawatt unit will effectively triple Cooper Station's capacity.
- This new electric-generating unit will be fueled by natural gas, and will feature two combustion turbines paired with individual electric generators and equipment to capture waste heat to produce steam, which will be sent to a steam turbine with its own generator.
- This combined cycle design is proven, highly efficient and very flexible.
- With 745 megawatts of generating capacity, this unit will produce enough electricity to serve the annual needs of 235,000 typical Kentucky households.
- EKPC is contracting with a third party to construct a natural gas pipeline to Cooper Station in order to ensure continued reliable operation.