



Liberty Station



EAST KENTUCKY
POWER COOPERATIVE

A Touchstone Energy Cooperative 





Liberty Station project overview

East Kentucky Power Cooperative is proposing to construct a new 214-megawatt electric-generating station fueled by natural gas at a 100-acre site in Casey County, Ky., approximately four miles north of Liberty, Ky. The new facility, called Liberty Station, is expected to be in operation by late 2028 and will create 23 new full-time jobs.

Need for Liberty Station

EKPC is building Liberty Station to increase the capacity to generate power and enhance the ability to provide safe, reliable power to a growing member base, especially during peak usage hours and when other regional power generators, like renewable energy facilities, are not available.

Regulatory approvals for Liberty Station

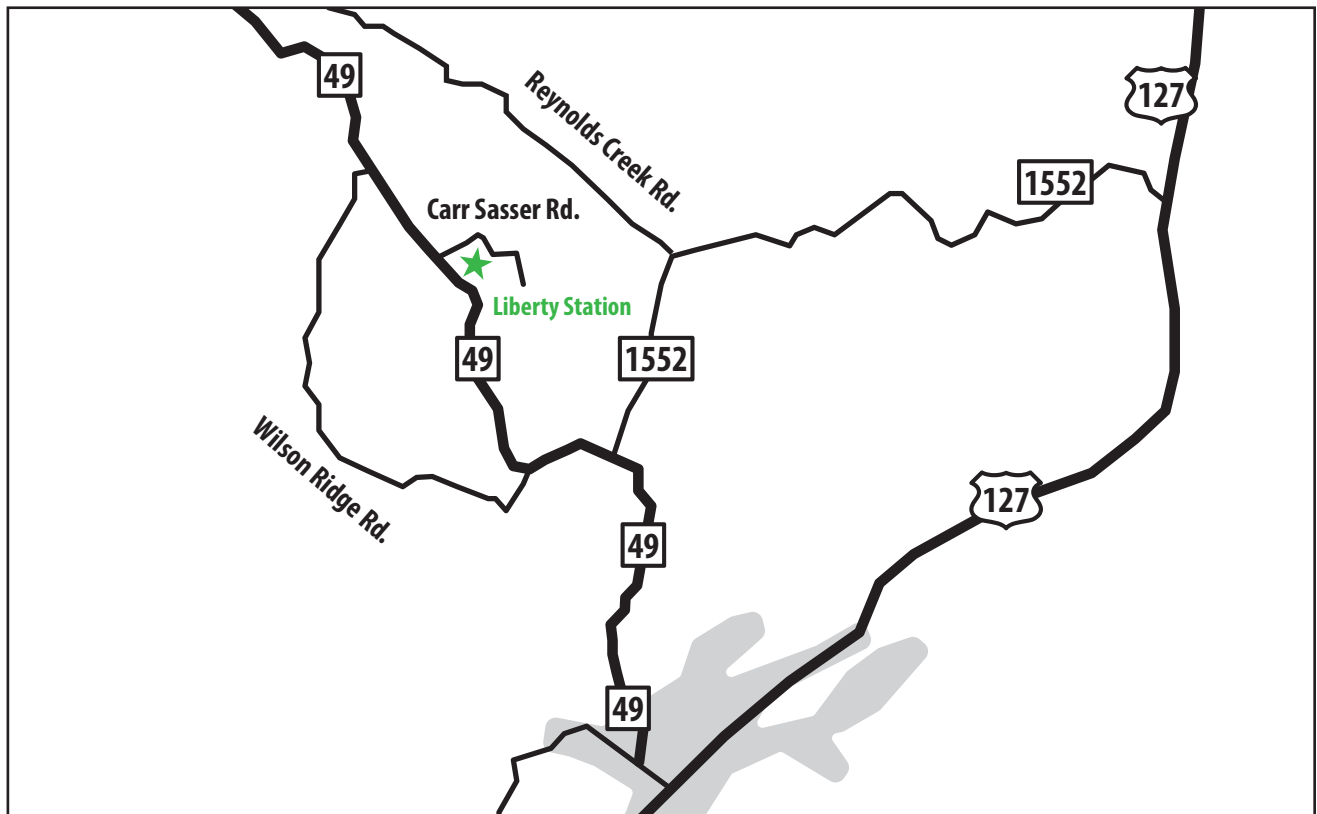
The Kentucky Public Service Commission must grant a Certificate of Public Convenience and Necessity (CPCN) for this project to be constructed. The Rural Utilities Service, an agency that administers the U.S. Department of Agriculture's Rural Development Programs (USDA Rural Development), must ensure that EKPC meets appropriate environmental obligations including compliance with the National Environmental Policy Act, the National Historic Preservation Act and the Endangered Species Act. EKPC will obtain appropriate permits to ensure it meets applicable rules under the Clean Air Act, Clean Water Act, U.S. Army Corps of Engineers regulations and Resource Conservation and Recovery Act, as required.





Liberty Station location

East Kentucky Power Cooperative plans to construct Liberty Station at a 100-acre site located approximately four miles north of Liberty, Ky., on Carr Sasser Road just east of the intersection with KY 49. The site is located near the juncture of EKPC's existing 161-kilovolt electric transmission line and an interstate natural gas transmission line.





About Liberty Station

Liberty Station will be a 214-megawatt facility featuring 12 natural gas-fueled engine/generator sets, each of them capable of starting up quickly and ramping up and down rapidly. This feature will provide an important tool for EKPC to help maintain grid reliability. The station will have sufficient electric-generating capacity to serve the annual energy needs of 95,000 typical Kentucky homes.



Cost: \$500 million

Operating workforce: 23 full-time employees

Plant features:

- Sound-attenuating engine building containing 12 Wartsila engine/generator sets with a gross rating of 18 megawatts each.
- A new 161-kilovolt (kV) switching station with less than one mile of new transmission line connecting to EKPC's existing 161-kV transmission line.
- Two stacks with noise baffles located at least 1,000 feet from the property boundary.
- Less than one mile of new natural gas pipeline, with metering and regulating station.
- Warehouse.
- Control/administration building.
- The units will be fueled by pipeline-quality natural gas supplied from a nearby interstate natural gas pipeline. As backup fuel, the units will use ultra-low sulfur diesel fuel oil. Two 630,000-gallon tanks with concrete secondary containment structures will be located on site to allow for up to 72 hours of continuous full-load operation.





Project Schedule

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|------------------------------|-------------------|
| Informational public meeting | December 11, 2024 |
| Begin construction | June 2026 |
| Facility commissioned | December 2028 |





FAQs

Project background

How will Liberty Station enhance EKPC's energy reliability?

Featuring electric-generating units that can start up and reach full power within 10 minutes, Liberty Station will provide a very flexible resource for EKPC to ensure reliable electric service. The plant will provide an important tool for EKPC to maintain regional grid reliability and will help meet Kentucky's growing demand for electricity.

What are the benefits of this project?

- This plant helps protect EKPC's owner-member cooperatives from highly volatile market pricing and emergency energy needs during extreme weather events.
- The technology is highly efficient throughout its operating range, and will displace higher cost market power and lower EKPC's carbon footprint.
- The location and multiple unit configuration will provide assurance of grid reliability in the southern Kentucky region.
- The units are highly complementary to EKPC's planned additions of intermittent renewable resources to assure overall portfolio reliability for owner-member cooperatives and ensure cost competitiveness.

Does EKPC plan to close any of its existing power plants as it adds this new resource?

No. To ensure continued reliable power plant capacity for Kentucky as increasingly stringent environmental regulations take effect, EKPC is taking steps to protect its existing coal-fueled power plants. In addition, EKPC is planning to add a new 745-megawatt baseload generating unit at its existing Cooper Station near Somerset in order to meet growing demand for electricity. EKPC also has plans to add 757 megawatts of new renewable resources in coming years. Together, these existing and new electric-generating resources will ensure continued reliability at competitive rates while reducing the carbon intensity of electricity for Kentucky.

Is EKPC receiving government funds for this project?

As a not-for-profit electric cooperative, EKPC qualifies for low-interest financing from the U.S. Department of Agriculture for capital expenditures of this type.

Construction

When will construction take place?

Assuming all necessary regulatory approvals are obtained, EKPC expects site mobilization to start in June 2026, and all major construction activities to be concluded by March 2028, with startup and commissioning to take approximately nine months. EKPC expects the facility to be in operation by December 2028.

How many construction jobs will be created?

At peak construction, approximately 160 workers will be on site daily.





Operations

How many new full-time jobs will be created by this project?

Once Liberty Station is operating, it will have 23 full-time employees on site. The station will be staffed 24 hours a day, 365 days a year.

What impact will Liberty Station have on the local community?

This project will provide employment for workers during construction and operation, and it will contribute to the property tax base. Once Liberty Station is commissioned, annual local property tax revenue is estimated to be at least \$400,000

What impact will this have on the environment?

During construction and operation, EKPC strives to minimize environmental impacts. EKPC will obtain appropriate permits to ensure it meets applicable rules under the Clean Air Act, Clean Water Act, U.S. Army Corps of Engineers regulations and Resource Conservation and Recovery Act, as required. The Rural Utilities Service, an agency that administers the U.S. Department of Agriculture's Rural Development Programs (USDA Rural Development), must ensure that EKPC meets appropriate environmental obligations including compliance with the National Environmental Policy Act, the National Historic Preservation Act and the Endangered Species Act.

What about visual and sound impacts?

EKPC plans to mitigate visual and sound impacts by maintaining and planting trees to screen the generators from neighboring residences, and by installing attenuation equipment such as silencers, insulation, and absorptive walls to reduce noise during operation.

Will the plant site be secured?

Yes, in order to maintain security and safety, EKPC plans to construct a fence around the facility. A security guard will be located at Liberty Station's main entrance 24 hours a day.



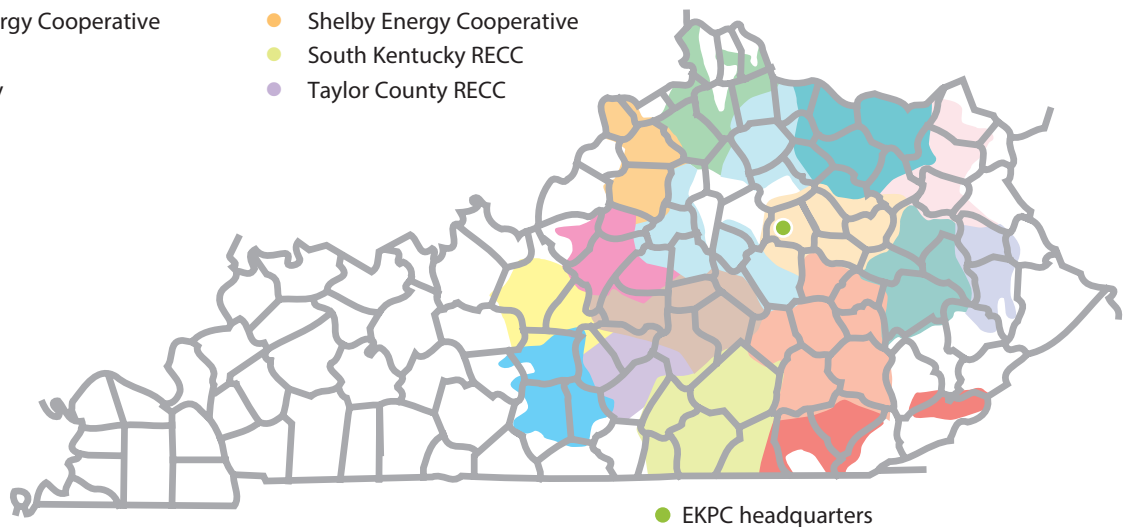


About EKPC

EKPC is a not-for-profit generation and transmission utility with headquarters in Winchester. EKPC generates electric power and transports it to 16 locally-owned cooperatives that distribute it to homes, farms, businesses and industries in 89 Kentucky counties, serving 1.1 million people. Together, EKPC and its owner-member cooperatives are known as Kentucky's Touchstone Energy Cooperatives.

EKPC's 16 owner-member cooperatives include:

- Big Sandy RECC
- Blue Grass Energy Cooperative
- Clark Energy Cooperative
- Cumberland Valley Electric
- Farmers RECC
- Fleming-Mason Energy Cooperative
- Grayson RECC
- Inter-County Energy
- Jackson Energy Cooperative
- Licking Valley RECC
- Nolin RECC
- Owen Electric Cooperative
- Salt River Electric Cooperative
- Shelby Energy Cooperative
- South Kentucky RECC
- Taylor County RECC



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