

Clean, Reliable and Economical Power



The 1,090-MW combined-cycle Lincoln Land Energy Center — to be located near Pawnee in Sangamon County, Illinois, approximately 20 miles south of Springfield — will be one of the cleanest natural gas-fueled generating stations in the United States.

Facility Highlights

The EmberClear Lincoln Land Energy Center will be a clean, natural gas-fueled 1,090-MW combined-cycle generating station. The plant will be able to continually supply the power needs of more than 1 million homes with some of the lowest cost power in the Midwest United States.

The Lincoln Land Energy Center will:

- Contribute approximately \$1.5 billion to the Central Illinois economy during the seven-year phase I and II construction period
- Create approximately 1,000 direct and indirect jobs, including 800 jobs at peak construction and up to 35 high-paying jobs during operations
- Utilize the latest, most advanced emissions-control technology, making it one of the cleanest natural gas-fueled power plants in the United States
- Preserve Illinois drinking-water resources by heavily investing in air-cooled technology
- Purchase water and backup water supplies from Springfield and Otter Lake, creating another source of long-term revenue for area municipalities
- Preserve viewsheds when compared to land-intensive renewable energy projects
- Support the stability of Illinois' power grid by generating reliable power around the clock
- Serve as a bridge to a renewable energy future by stepping in to quickly provide electricity when the sun is obscured or the wind stops blowing
- Become a renewable energy storage project when it transitions to hydrogen fuel, potentially as soon as 2020

Market Need

- The Central Illinois region expects to incur a capacity shortage of up to 2,800 MW in 2023
- U.S. coal-fired generation is retiring as tighter air standards and decreased cost-competitiveness make coal-fired power plants less economical
- Newly enacted coal ash regulation has precipitated 2,700 MW in announced retirements and 3,500 MW in additional projected retirements
- Between retiring coal plants and the limited development of non-interruptible power generation, the natural gas-fueled Lincoln Land Energy Center will become a crucial baseload resource — able to reliably supply the electric needs of Illinois' citizens on a 24/7 basis.

Project Overview

- Lincoln Land Energy Center is a wholly-owned subsidiary of EmberClear. LLEC is developing the electric generating facility consisting of two 560-MW natural gas-fueled combined-cycle electric power plants on a 160-acre greenfield site in the Village of Pawnee, Sangamon County, Illinois
- LLEC will construct the facility in two phases. The total cost will be approximately \$1 billion and will be exclusively built and operated by union labor
- The Project is being sponsored by two world class firms: Siemens Energy and BDC Power Holdings, a Bechtel group company
- The project site is in close proximity to interstate gas pipelines, allows for a direct connection to the transmission grid via an adjacent substation, and has access to a municipal water supply
- EmberClear has decades of experience in project development, financing, permitting, construction, operations and asset management within the power industry.
- LLEC submitted its first draft permit to IEPA on April 6, 2018 and is currently waiting for a draft permit to be issued for public comment.

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