

# The LOC DEC Plant Project





An aerial photograph of an industrial facility. In the foreground, there are two large, interconnected ponds with green algae. To the left of the ponds is a large parking lot filled with cars. Several large industrial buildings are visible. One building has a red roof and white walls, while others are grey. A road runs along the bottom of the facility. The background shows a flat landscape with fields and some distant trees under a clear sky.

Lincoln Electric System Operations Center (LOC)

DEC LOC Plant

Lincoln Electric System Fleet Building

The DEC LOC Plant serves both Lincoln Electric System's Fleet Building and Operations Center.

# Key Plant Features

- Geothermal Well Field (320 Wells, 365 feet deep)
  - Sustainability
- Multistack water-to water heat pumps
  - Capability to run our hot water and chilled water loops simultaneously
- Diesel Generators (1.5 megawatts in total)
  - Backup power
- Redundancy in equipment
  - Reliability (100% reliability factor in 2021)
- Insulated underground piping from plant to the fleet building to the LOC



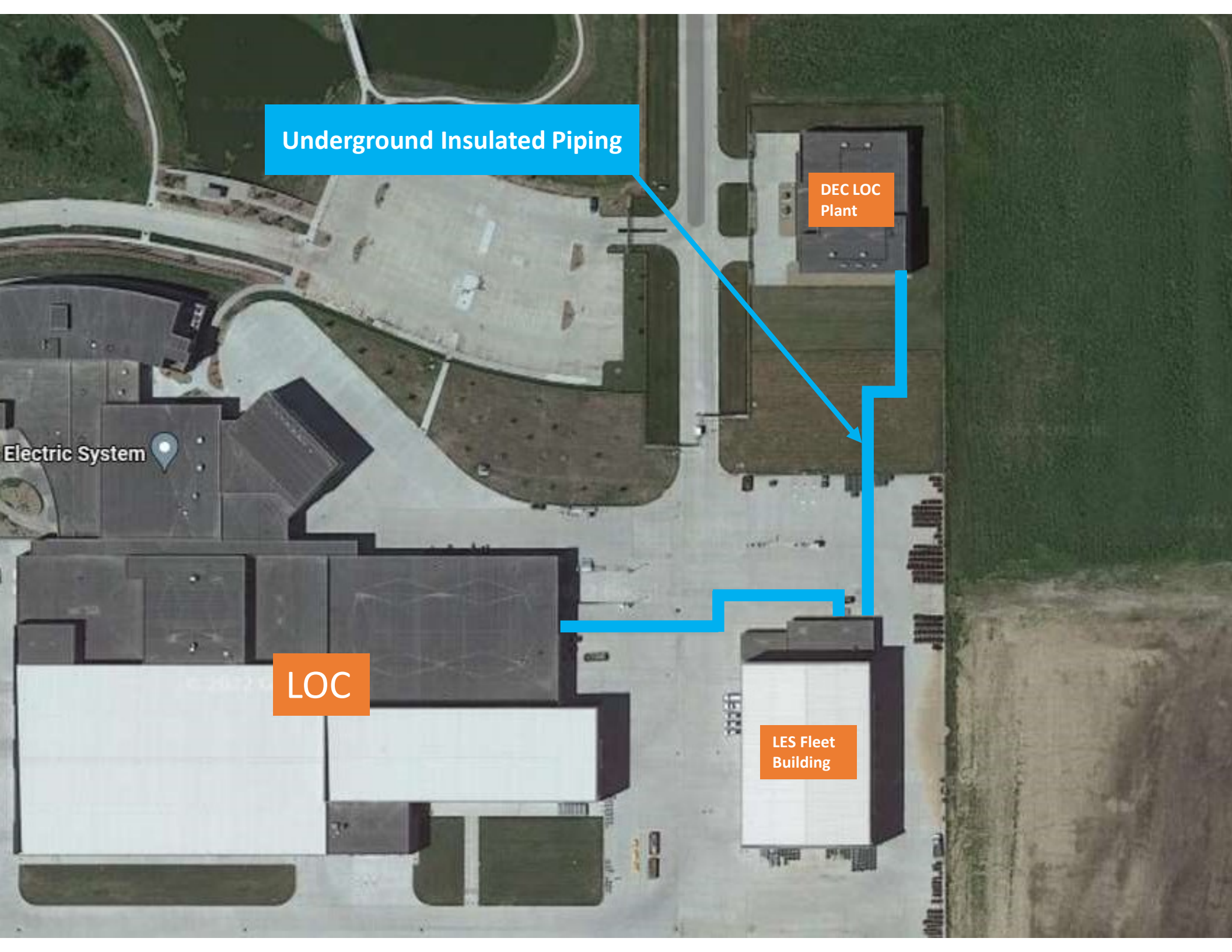
Underground Insulated Piping

DEC LOC  
Plant

Electric System

LOC

LES Fleet  
Building



The Geothermal Well field is a sustainable solution that allows DEC to add, store, and remove heat from the Earth to “jump start” our thermal services for Lincoln Electric System.



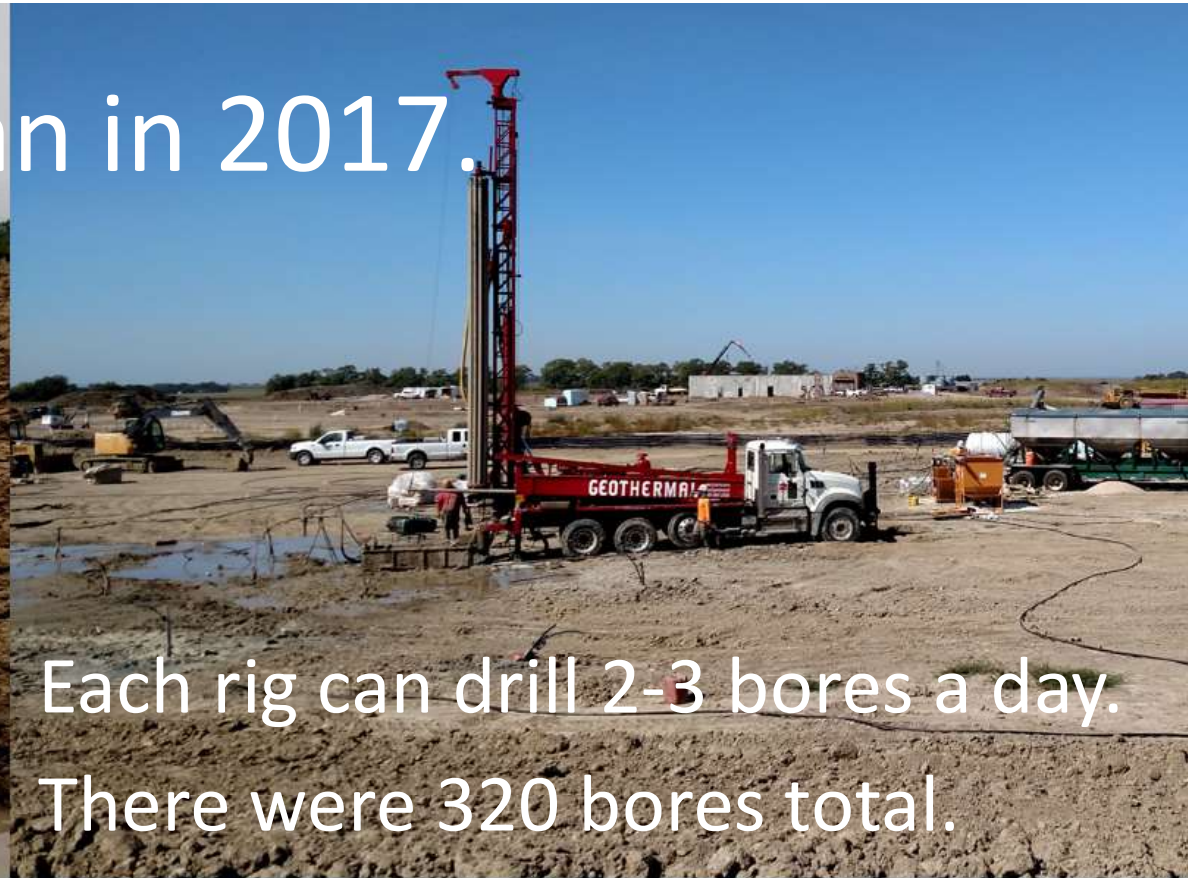


# Header for Well Field





Construction began in 2017.



Each rig can drill 2-3 bores a day.  
There were 320 bores total.



Well



2017





2018





2018





# DEC LOC Plant: Construction Time Lapse





# LOC DEC Plant Completion



Project cost approximately \$17 million.



# Inside the Plant







# Questions?

Contact DEC at [deccustomerservice@les.com](mailto:deccustomerservice@les.com).