

Ameren Illinois Natural Gas Storage Fields

- Ameren Illinois delivers safe and reliable natural gas to more than 800,000 customers via 18,300 miles of transmission/distribution pipeline and a network of 12 underground storage fields.
- The 12 natural gas storage fields collectively store 24.2 billion cubic feet and serve three main purposes:
 - Enables Ameren Illinois to purchase natural gas during the summer when demand is less (cheaper price), store it, and then withdraw the gas during the winter to save customers money.
 - Helps to ensure Ameren Illinois has enough natural gas to meet demand on cold winter days.
 - Helps to balance day-to-day variabilities of customer demands.
- All 12 storage fields are classified as either aquifer reservoirs (5) or as depleted gas reservoirs (7).
 - Aquifer reservoirs: gas replaces the naturally occurring water during injection.
 - Depleted reservoirs: previous production fields repurposed for storage.
- The annual gas storage field cycle consists of two processes: injection and withdrawal (shown below). Gas is typically injected during the summer and withdrawn during the winter.
- Withdrawal operations are more complex for removing impurities such as hydrogen sulfide and water, flow control and odorant injection, as well as monitoring gas wells and pressure.
- Ameren Illinois deploys many innovative technologies at its storage fields, including: 3-D seismic surveys, high-res corrosion logging, remote gas well management and casing cement bond logging.
- Ameren Illinois gas storage fields are located in the following areas: Lincoln, Galesburg, Glasford, Sciota, Hillsboro, Freeburg, Tilden, Eden, Johnston City, Centralia, Hookdale and Ashmore.
- Gas supply is generally purchased from the Southwest United States.

