



NASEO EPOC 2026 Natural Gas Storage and Grid Reliability

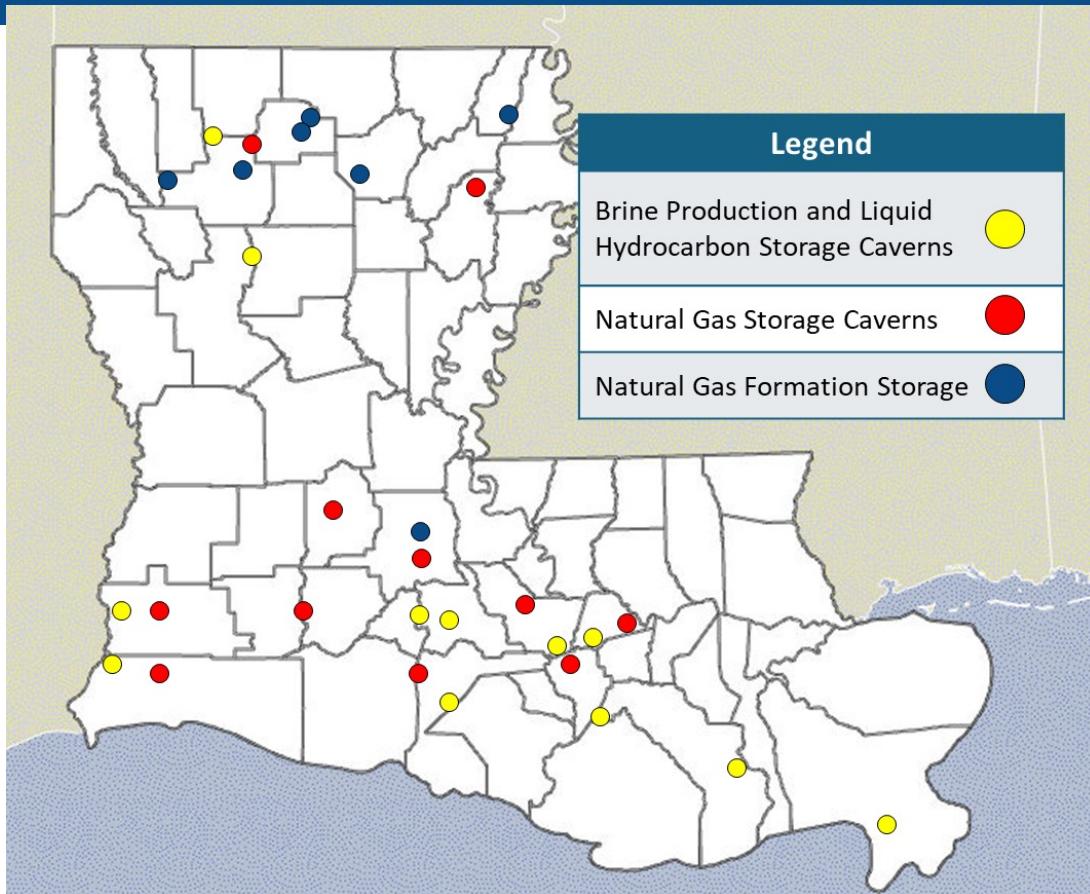
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Office of Energy – Policy and Rules





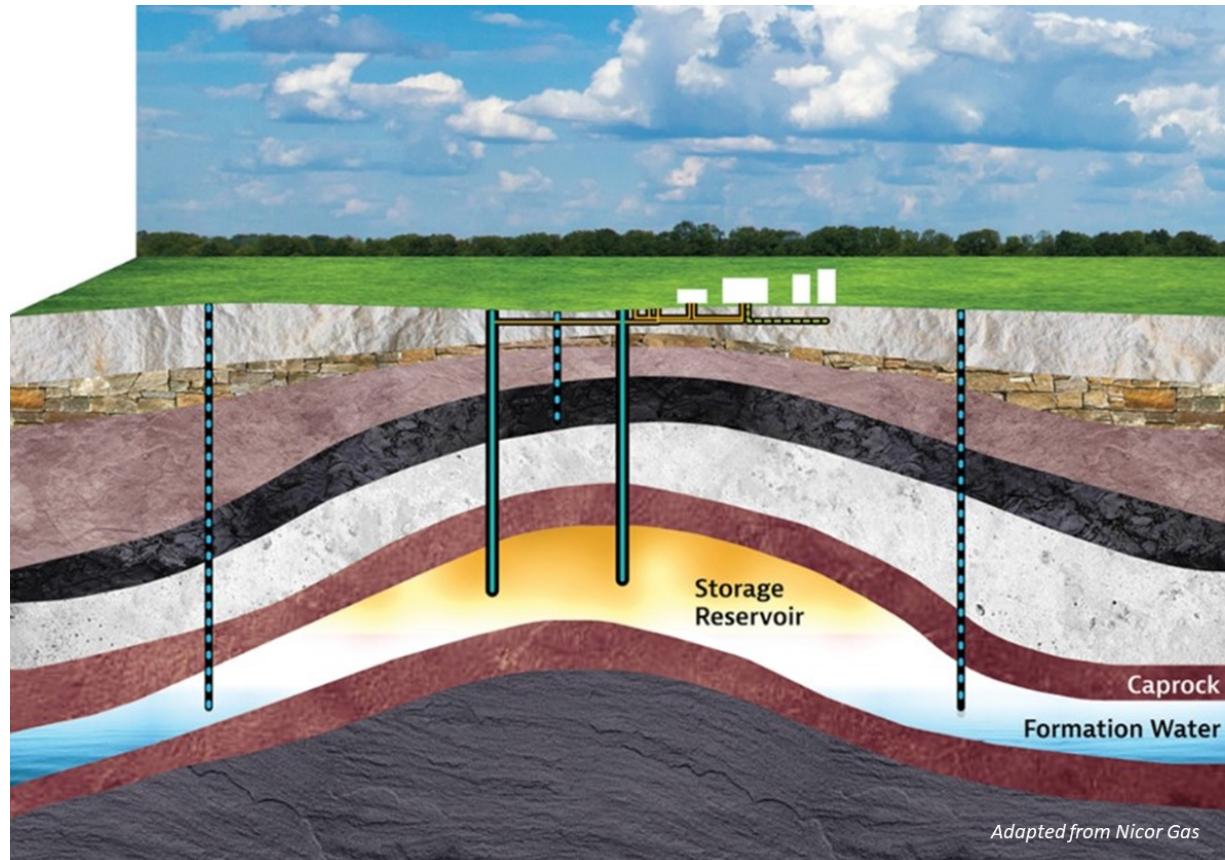
Louisiana Underground Natural Gas Storage



- Regulated by the Underground Injection Control (UIC) program in C&E's Engineering Division
- Protection of the underground sources of drinking water
- State vs. federal jurisdiction
- 10 domes currently include natural gas storage operations (26 caverns)
- 20 active salt domes in Louisiana (250+ active caverns)
- 7 active formation storage facilities (286 wells)
- How do these facilities work and what do you need to know about them?

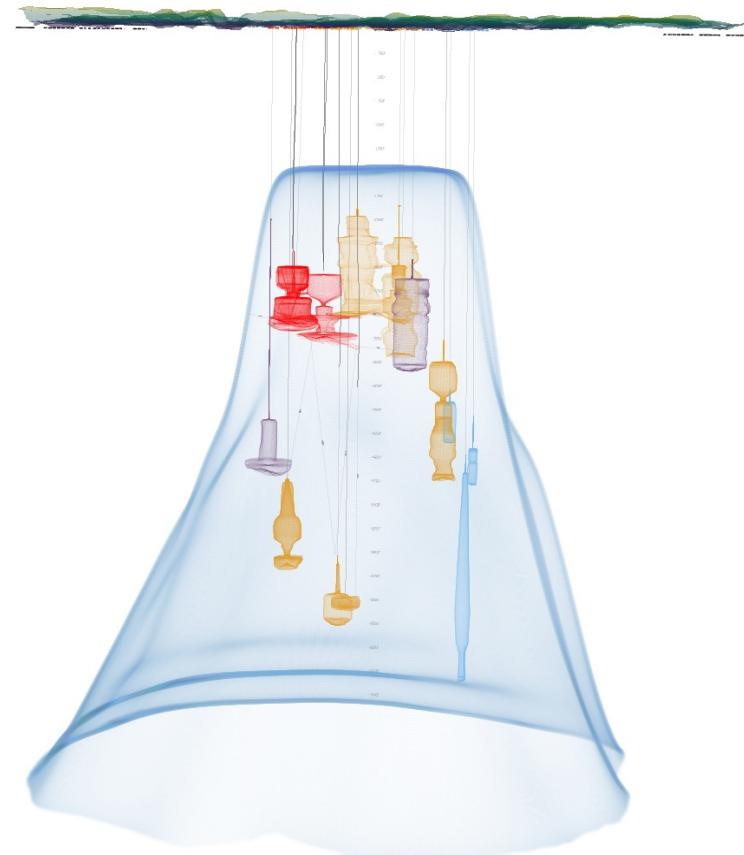
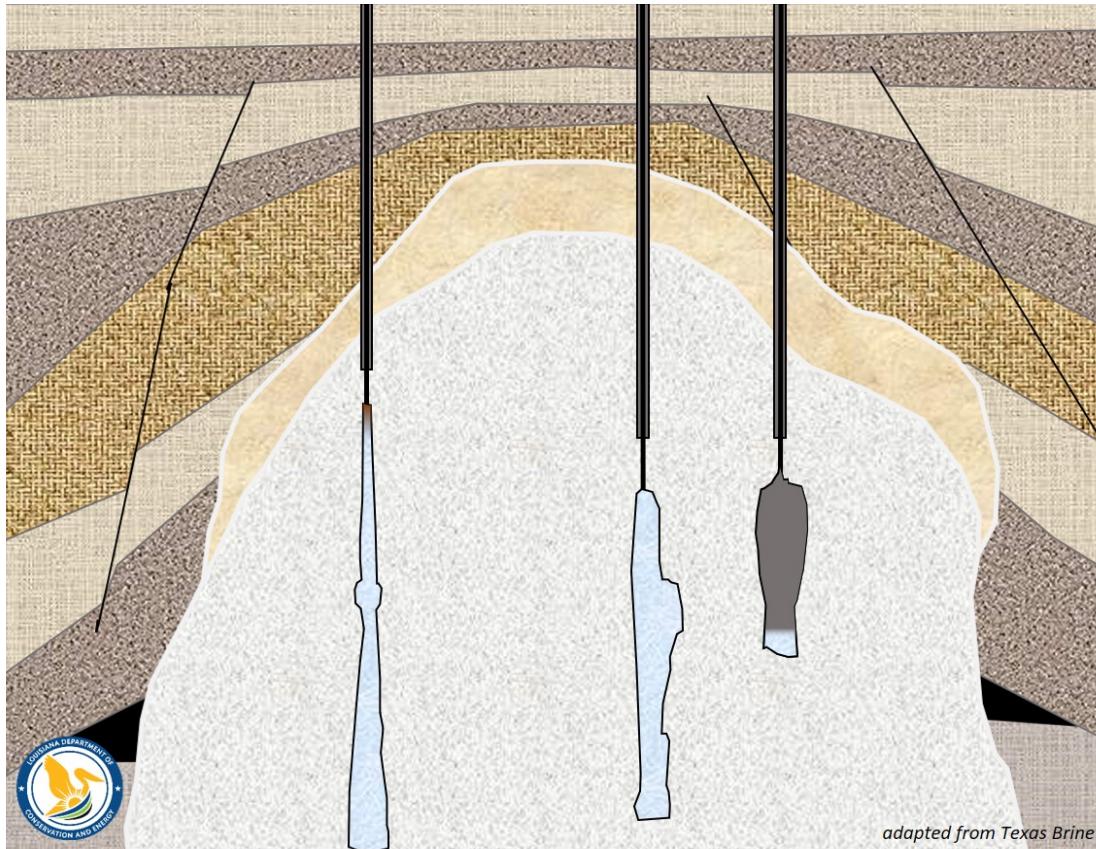


Natural Gas Formation Storage



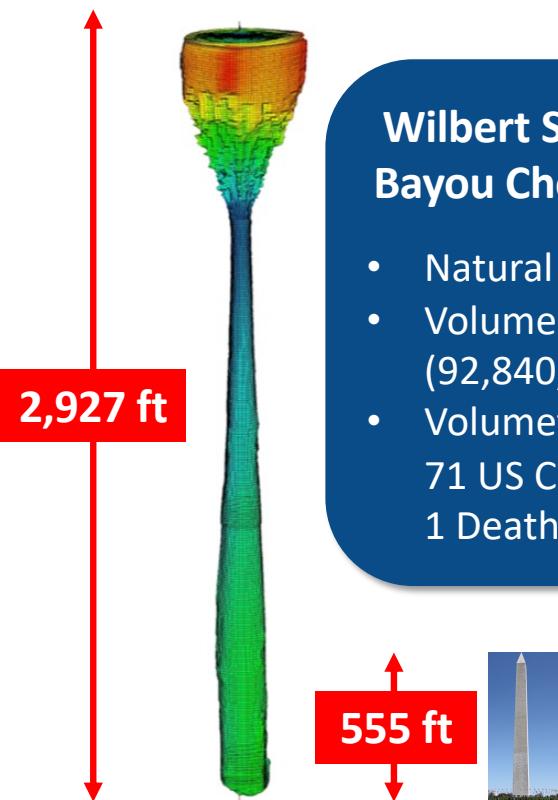


Natural Gas Cavern Storage





What Do You Actually Need to Know?



Wilbert Storage No. 25 at Bayou Choctaw Salt Dome

- Natural gas storage cavern
- Volume – 16,535,650 bbls (92,840,784 ft³)
- Volumetric equivalent of 71 US Capitol rotundas or 1 Death Valley at LSU

EVERYTHING IS SITE SPECIFIC

- Formation Storage Considerations
 - Well understood technology and relatively straightforward to operate
 - Geographic availability
 - “Greenfields” development challenges
- Salt Cavern Storage
 - Fast cycling of gas volumes with some caveats
 - Potential conversion opportunities
 - Highly complex, dynamic geology (anomalous zones, salt plasticity, rock dilation)
- Always talk to your UIC regulators and state geological survey about the resources available in your state and any potential challenges

Questions?

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