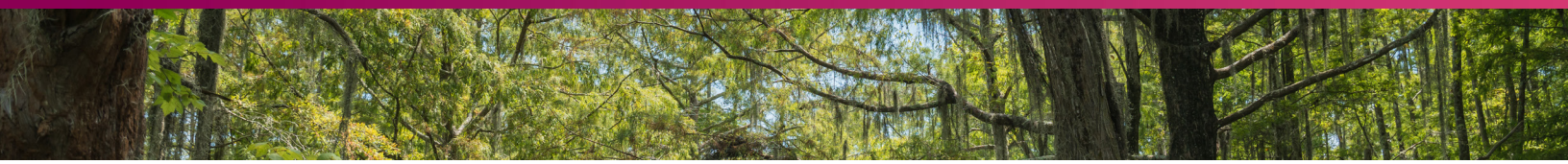
ExxonMobil

Positioning Louisiana as a leader in a low carbon future



For more than 115 years, ExxonMobil has been a proud contributor to both Louisiana's economy and its vibrant communities. We are now entering a new phase of investment: developing carbon capture and storage (CCS) projects that promise to build upon that history of helping strengthen both the state and the communities where we operate.

Carbon Capture and Storage

CCS is a proven process that captures CO_2 from industrial sources, transports it by specially designed pipelines to permitted storage sites, and places it within porous rock more than a mile underground. Multiple layers of solid rock, hundreds of feet thick, act as impermeable seals above the storage layer to contain the CO_2 underground. Similar rock layers have trapped oil underground for millions of years.

Nighthawk Carbon Storage Project

ExxonMobil is pursuing development of the Nighthawk Project – a CO_2 storage site in St. Landry Parish. If the Louisiana Department of Conservation and Energy (LDC&E) approves our Class VI permit application, the proposed Nighthawk Project would include constructing and operating:

- Four Class VI storage wells to place CO_2 within a designated rock layer spanning nearly 18,000 acres, more than a mile underground; the CO_2 would occupy only a small fraction of the tiny spaces within this rock layer
- A 6.5-mile pipeline to connect the storage site with ExxonMobil's existing CO_2 pipeline network



Subject to permit approvals, ExxonMobil plans to begin construction in 2027.

Project Benefits

Based on recent economic impact studies,* a single storage project like the one proposed in St. Landry could generate an estimated:

- $200 million in capital investment, with a significant amount invested in St. Landry
- $45 million in local labor income and $115 million in parish GDP
- $30 million in property tax revenues that could help support parish priorities such as schools, roads and emergency services
- $100+ million in combined payments to landowners (lease bonuses, injection royalties and easement payments)



CO_2 pipeline construction creates jobs.

St. Landry residents can also benefit from broader CCS investments across Louisiana, where the state's leadership in CCS is helping drive economic growth. According to a 2025 Louisiana Economic Development estimate, manufacturers have announced approximately $75 billion in investments for new facilities located near CCS infrastructure.

* CCS Economic Impact Study, Gulf Engineers and Consultants for Allen Parish, 2025
Economic Impacts of Mockingbird and Hummingbird Storage Hub Projects, Daniel Groft, Ph.D., McNeese State, 2026

For more information about the CCS project development and permitting process, go to: AboutLaCCS.com/Projects

Nighthawk Carbon Storage Project FAQ

What is CO_2?

Carbon dioxide, or CO_2, is a colorless, odorless gas found in the air, underground, and even in water. Humans exhale it. Plants live on it. It gives soft drinks their fizz. CO_2 is also produced when fuel is burned or factories make things like steel, fertilizer or cement. At high concentrations, CO_2 can present safety concerns. CO_2 pipelines and storage facilities are designed, built and operated with multiple safeguards to manage these risks and have been operated safely for decades.

Why capture and store CO_2?

Louisiana industries compete in a global marketplace, where a growing number of international customers are demanding lower-carbon products. CCS helps Louisiana position itself as a leading producer of lower-carbon products while bringing new investment and tax revenue to the state. Importantly, this enables Louisiana's industries not only to sustain existing jobs, but also create new ones to meet global market demand.

Why St. Landry?

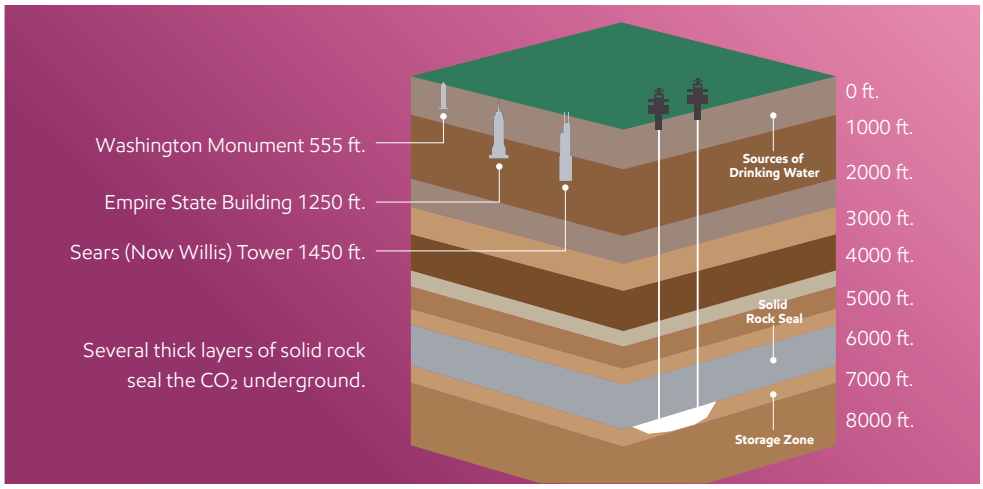
Several factors make St. Landry a good location for this project. Most importantly, subsurface data indicates St. Landry has suitable geologic conditions for permanent CO_2 storage. The project will also build upon the tax revenues and other economic benefits our existing infrastructure already provides the parish.

Are CCS projects safe?

CCS is a proven process, and CO_2 pipelines have operated safely in St. Landry for more than a decade. ExxonMobil also conducts rigorous analysis and testing to identify the most suitable storage sites. After regulatory approval, CO_2 will be stored more than a mile underground, beneath multiple layers of solid rock – hundreds of feet thick – that act as impermeable seals to safely and permanently store the CO_2 underground. Once operational, the storage sites and pipelines will be monitored 24/7 and can be remotely shut down in the unlikely event abnormal operations occur.

Learn more about our Louisiana CCS projects by scanning the QR code.

Permanent CO_2 storage occurs more than a mile underground.



Will the stored CO_2 impact drinking water?

CO_2 will be stored thousands of feet below drinking water sources. The multiple layers of thick, solid rock in between act as natural barriers to contain the CO_2. LDC&E will thoroughly review ExxonMobil's proposed project to ensure water resources are protected. A Class VI permit is only issued after the regulator determines the project is protective of underground sources of drinking water.

How are you working with landowners?

We are negotiating in good faith with landowners to establish mutually beneficial agreements that compensate them for the use of their underground pore space or CO_2 pipeline rights-of-way. The surface for the majority of landowners is not impacted. In the few cases where surface use is needed, ExxonMobil works with landowners to ensure our activity is located in non-disruptive areas while creating an additional long-term income stream from a previously unutilized resource.

Why ExxonMobil?

ExxonMobil has a long track record of safely and responsibly operating complex projects. We also bring more than 40 years of CCS experience and more than 115 years of experience working deep beneath Louisiana's surface, giving us extensive knowledge of both the process and the state's rock layers. Our projects benefit from our combining this historical knowledge with new data gained from rock samples collected from deep beneath our projects areas and brought to the surface for analysis. In addition, our pipeline company has received the pipeline industry's most distinguished safety award four years in a row.



ExxonMobil's CO_2 storage well infrastructure in Texas is representative of equipment that could be installed in St. Landry.

Contact us with questions or comments: (888) 275-6420 or ccs.projects.louisiana@exxonmobil.com