

CLEARING THE AIR





The Facts About Carbon Capture & Sequestration

OVERVIEW

Carbon capture and sequestration (CCS) is rapidly becoming central to Louisiana's energy, manufacturing and economic future. Yet public debate is too often driven by misinformation rather than facts. This briefing provides clear, data-driven answers to common questions so policymakers, employers and community leaders can make informed decisions grounded in evidence and economic reality.

WHO BENEFITS FROM CCS PROJECTS?

CCS projects generate major economic benefits for Louisiana communities, including:

-  Thousands of high-wage construction and permanent jobs
-  Billions in private investment
-  Increased local tax revenue for schools, infrastructure and public services
-  Protection of existing industrial jobs by helping facilities remain competitive

CCS strengthens local economies while preserving Louisiana's industrial base and competitive edge.

HOW DOES CCS FIT INTO LOUISIANA'S BROADER ENERGY FUTURE?

CCS is part of a comprehensive, all-of-the-above energy strategy for Louisiana. It helps:

-  **ENSURE THE LONG-TERM VIABILITY OF THE ENERGY INDUSTRY BY SUPPORTING NEW HYDROGEN, AMMONIA AND LOW CARBON MANUFACTURING SECTORS**
-  **EXPAND LOUISIANA'S CAPACITY TO PRODUCE PREMIUM PRODUCTS MEETING GLOBAL MARKET DEMAND**
-  **CREATE HIGH-PAYING JOBS WHILE KEEPING ENERGY SUPPLY AFFORDABLE AND RELIABLE**
-  **LEVERAGE EXISTING INDUSTRY EMISSIONS TO GENERATE CUSTOMER VALUE**

It complements renewable and advanced energy development, helping strengthen Louisiana's position as a national energy leader.

IS CARBON CAPTURE EXPERIMENTAL?

The technologies for capturing, transporting and injecting CO₂ deep underground are well-established, carefully regulated and backed by extensive scientific research. Louisiana's geology, including deep saline aquifers and depleted hydrocarbon formations, is among the best in the world for safe, permanent CO₂ storage.

HOW ARE STORAGE, GROUNDWATER AND SEISMIC RISK MANAGED?

Louisiana's geology is generally considered stable and well-suited for injection activities. Federal Class VI injection well standards, established by the U.S. Environmental Protection Agency, are among the strictest environmental and safety regulations in the country.

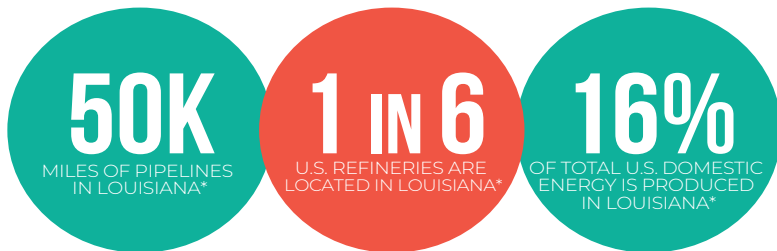
CO₂ is stored thousands of feet below drinking water aquifers into formations sealed by impermeable rock. Projects undergo rigorous site evaluations, ongoing seismic monitoring and groundwater testing to ensure long-term safety.

WHY IS CCS CRITICAL FOR LOUISIANA'S ECONOMIC GROWTH?

Louisiana's economy is deeply tied to energy, chemicals, refining and manufacturing—industries that drive jobs, power reliability and affordability, and global trade. Expanding low-carbon production through CCS strengthens this foundation and helps attract major industrial investments.

HOW ARE CO₂ PIPELINES REGULATED?

The Pipeline & Hazardous Materials Safety Administration and USDOT announced strengthened CO₂ pipeline safety rules in 2025.* The Governor's CCUS Executive Order incorporated those standards into Louisiana's permitting framework, requiring protective measures such as emergency responder training, CO₂ detection equipment and public emergency communication protocols. Projects should outline monitoring, emergency response and long-term stewardship requirements.



**PROVEN TECHNOLOGY →
MANAGED RISK →
REAL JOBS →
LOUISIANA MUST COMPETE
— OR FALL BEHIND.**

*Sources: PHMSA; EIA; C&E, 2024; Louisiana Economic Development;

HOW DO LANDOWNERS & LOCAL GOVERNMENTS BENEFIT?

According to Louisiana Economic Development, a single CO₂ storage site with an average capital investment of \$600 million could **generate more than \$30 million in state revenue and nearly \$40 million in local revenue.**

CCS projects can provide financial and economic benefits through:

- 1 LEASE PAYMENTS TO LANDOWNERS
- 2 RIGHT-OF-WAY PAYMENTS TO LANDOWNERS
- 3 NEW LOCAL PROPERTY TAX REVENUE
- 4 LOCAL INFRASTRUCTURE, WORKFORCE TRAINING AND COMMUNITY INVESTMENT
- 5 LOCAL SPENDING BY WORKERS AND CONTRACTORS
- 6 ECONOMIC DEVELOPMENT INCENTIVES TIED TO LONG-TERM CAPITAL INVESTMENTS

WHY MOVE FORWARD NOW?

Texas, Mississippi and Alabama are competing aggressively for the same industrial investments, federal support and lower-carbon energy projects. Louisiana has the geology, workforce, pipeline and port infrastructure, and industrial base to lead, but delays could shift capital, jobs and long-term tax revenue to states that move faster.

CCS is not theoretical. It is a critical tool that, when properly sited, regulated and monitored, can help Louisiana grow its energy sector, protect jobs and compete for the next generation of industrial investment.