

CarbonSAFE

Carbon Storage Assurance & Facility Enterprise

<https://www.energy.gov/search/site/CARBONSafe>

The U.S. Department of Energy's CarbonSAFE initiative is intended to develop integrated carbon capture and storage (CCS) complexes, constructed and permitted for operation in the 2025 timeframe over a series of sequential phases of development.

Phase I CarbonSAFE: Integrated CCS Pre-Feasibility is soliciting and competitively seeking R&D projects that will provide a pre-feasibility study for a commercial scale geological storage site. Objectives include the formation of a CCS coordination team capable of addressing any regulatory, legislative, technical, public policy, commercial, financial, and other issues specific to commercial scale deployment of the CO₂ storage project.

The projects will develop a plan encompassing technical requirements, as well as both economic feasibility and public acceptance of an eventual storage project. In addition, selected projects will perform a high-level technical evaluation of the sub-basin and potential CO₂ source(s).

Phase II, CarbonSAFE: Storage Complex Feasibility FOA is soliciting and competitively seeking R&D projects to perform the initial characterization of a storage complex identified as having high potential. They will also establish the complex's feasibility for commercial storage (50+ million metric tons CO₂).

The objectives of this phase include and extend the pre-feasibility work under CarbonSAFE: Integrated CCS Pre-Feasibility, focusing on one or multiple specific reservoirs within the defined storage complex, and comprising efforts in data collection; geologic analysis; identification of contractual and regulatory requirements and development of plans to satisfy them; subsurface modeling to support geologic characterization, risk assessment, and monitoring; and public outreach.

Learn more about the Phase I funding opportunity [here](#) and the Phase II opportunity [here](#).

