

WY Regional DAC Hub Overview



DAC Hub Overview

Under the Bipartisan Infrastructure Law, \$1.2 billion was allocated to advance the development of regional Direct Air Capture (DAC) Hubs in order to kickstart a nationwide network of large-scale carbon removal sites to address legacy carbon dioxide pollution.

Three Program Phases:

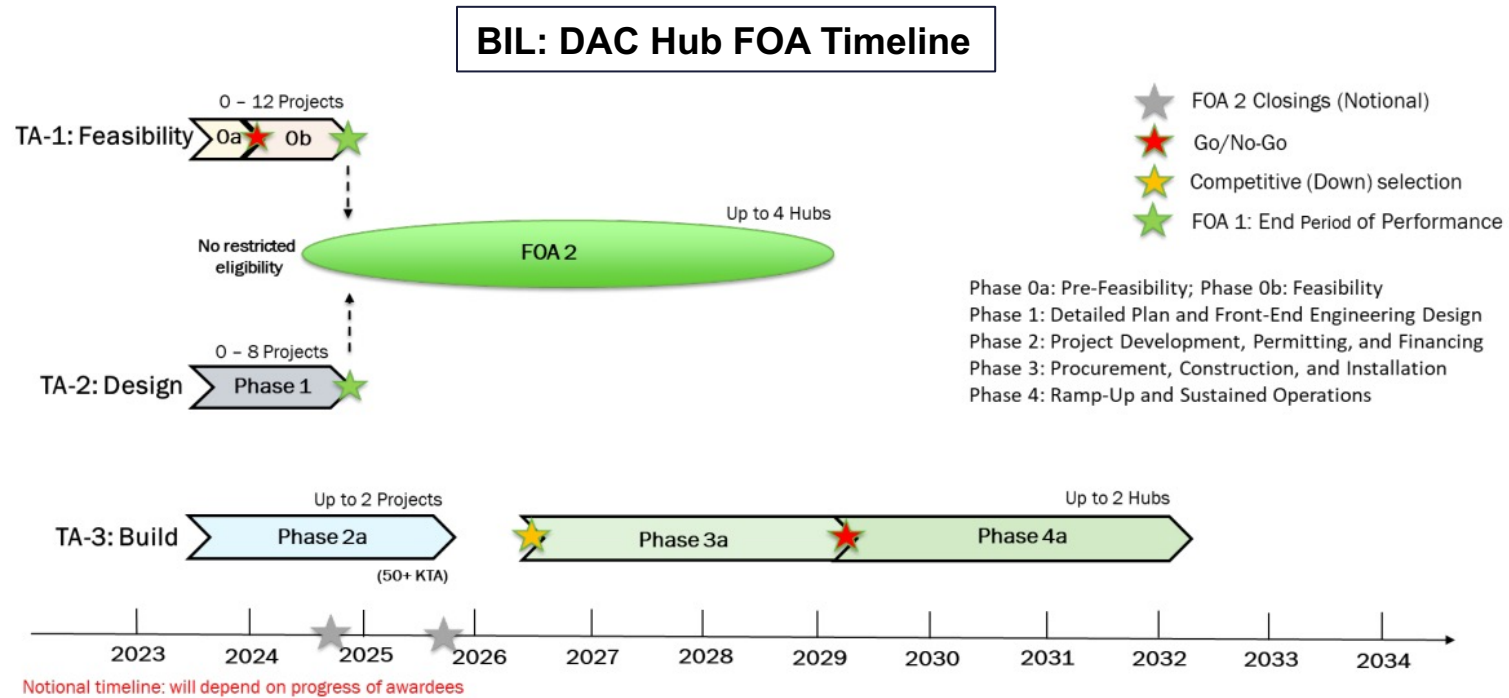
1. **Topic Area 1 (TA-1) Feasibility** – analysis, networking, and stakeholder engagement to advance projects from the concept stage
2. **Topic Area 2 (TA-2) Design** – projects that have already completed some of the necessary activities of the feasibility stage, but require time to execute front end engineering and design (FEED) studies and to advance permitting*
3. **Topic Area 3 (TA-3) Build** – enables projects that have completed significant FEED work but require time for permitting, National Environmental Policy Act (NEPA) compliance, and detailed design before commencing procurement. DAC Hub construction, operation, and build out are also possible during this phase.

*WY Hub Program Phase

[Funding Notice: Bipartisan Infrastructure Law: Regional Direct Air Capture Hubs. Office of Fossil Energy and Carbon Management.](#)

DAC Hub Overview (cont.)

Under the DAC Hubs program, two TA-3 projects have already been selected, however, funding is still available for two additional TA-3 Hubs to be selected at a later date. This DOE-funded FEED study is an essential step toward CarbonCapture’s ultimate goal of bringing a large-scale DAC Hub to the Wyoming region, and we believe that the successful execution of the TA-2 phase of this project will make the Wyoming Regional DAC Hub a highly competitive candidate for a future TA-3 Hub.



Bipartisan Infrastructure Law: Regional Direct Air Capture Hubs DE-FOA-0002735

The Wyoming Regional DAC Hub

Phase: Design – FEED study

Duration: 2 years

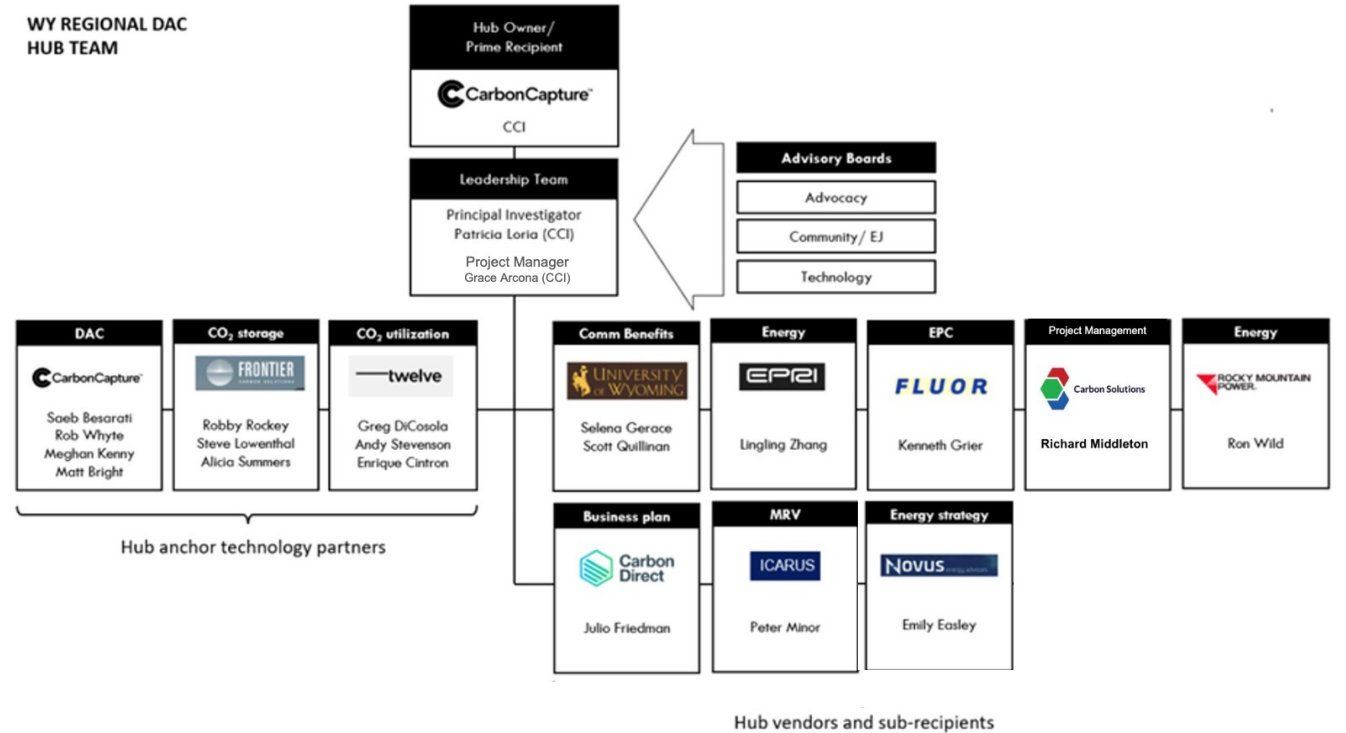
Project Cost: \$23 million total, 50% cost share

- Federal share = \$11.6M
- CarbonCapture & Partners share = \$11.6M

Location(s): Sweetwater County, WY,

Powder River Basin, WY,

Other location(s) TBD



Next Steps – Energy RFI

- One of the most critical tasks for the TA-2 DAC Hub is ensuring that the energy requirements of a future large-scale facility can be met. The large energy requirement for DAC processes will require creative solutions and new infrastructure.
- As part of the TA-2 award, CarbonCapture has funds set aside to explore opportunities with strategic clean energy partners with an interest in finding short- and long-term power generation and transmission solutions for the Wyoming Regional Direct Air Capture (DAC) Hub.
- Having a well-defined, feasible plan to meet the energy requirements of the WY Regional DAC Hub will dramatically increase the likelihood of winning a TA-3 award which is considered a critical milestone for the long-term success and viability of the Hub.

