



August 2024 FECM / NETL Carbon Management
Research Project Review Meeting

CCUS and FAST-41

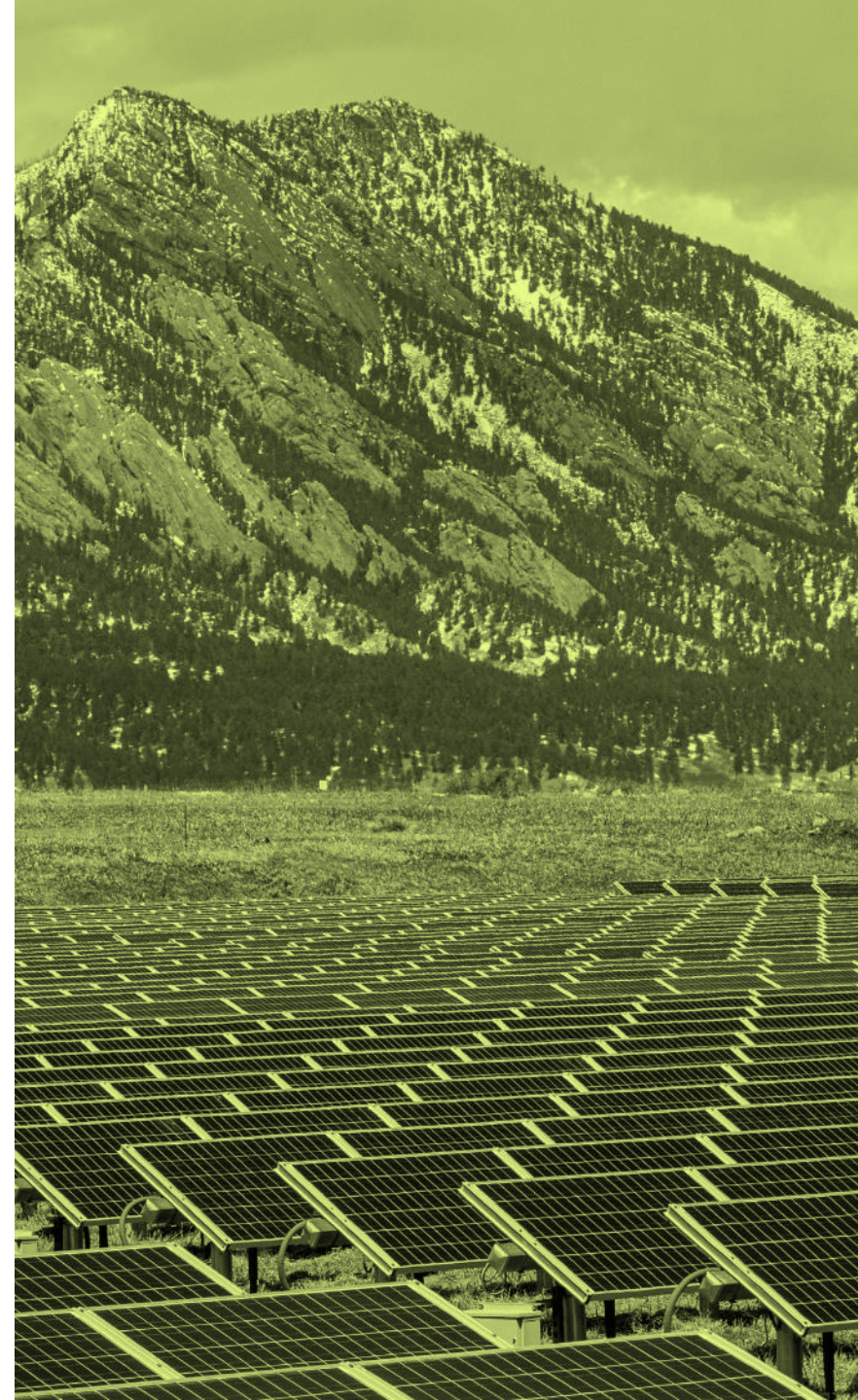
Rebecca Higgins
Permitting Council
Chief of Staff



The Permitting Council Helps Projects Make Progress

We are directed by Congress to:

- Create public timetables and structure for federal permitting review
- Convene agencies to spur collaboration and share best practices
- Coordinate processes with federal agencies to increase efficiencies
- Create predictability in the process to avoid delays and unexpected costs



The Permitting Council

Consists of 16 federal agencies involved in reviewing and authorizing infrastructure projects.



Federal Permitting Improvement Steering Council



Advisory Council on Historic Preservation



Department of Agriculture



Department of the Army



Department of Commerce



Department of Defense



Department of Energy



Council on Environmental Quality



Department of Homeland Security



Department of Housing and Urban Development



Department of the Interior



Office of Management and Budget



Department of Transportation



Federal Energy Regulatory Commission



Nuclear Regulatory Commission



Environmental Protection Agency

Benefits of FAST-41 Coverage

Increased Predictability

Federal agencies must collaborate on creating and managing permitting timetables



Agency Leadership Attention

Drive issue resolution, direct resources, and maintain internal accountability



Enhanced Coordination

One-stop shop for project sponsors and federal agencies to coordinate progress and timeline extensions



Transparency & Accountability

Public access to permitting timetables and federal decisions alongside Permitting Council oversight



Resources

Funding transferable to federal, state, local, and Tribal governments to support environmental authorization



Dispute Resolution

Clearly defined escalation procedures for resolving permitting timetable roadblocks



FAST-41 Covered Projects



FAST-41 coverage is voluntary and is initiated at the Project Sponsor's request

- Not all infrastructure projects are FAST-41 projects
- Lead (or facilitating) agency makes the coverage determination based on criteria defined in FAST-41

Objective Criteria:

- Subject to NEPA
- Likely to require >\$200M investment

CCUS Criteria:

- Covered by programmatic plan or environmental review to facilitate carbon dioxide pipelines
- *NEPA requirement and cost threshold do not apply*

Tribal Criteria:

- Sponsored by a Tribe, Alaska Native Corp., Native Hawaiian Organization, and located on lands owned or under the jurisdiction of the sponsor
- Subject to NEPA
- *Cost threshold does not apply*

FAST-41 Covered Project Sectors



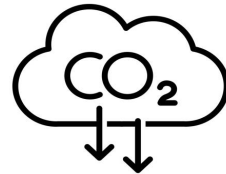
Renewable energy production
Conventional energy production
Electricity transmission
Surface transportation*
Aviation*
Ports and waterways*
Water resource*
Broadband
Pipelines
Manufacturing

Mining
Carbon capture
Semiconductors
Artificial intelligence and machine learning
High-performance computing and advanced computer hardware and software
Quantum information science and technology
Data storage and data management
Cybersecurity
Energy Storage

**FAST-41 excludes WRDA-funded and DOT-led projects*

FAST-41 Covered Projects: CCUS

- Construction of infrastructure for “carbon capture” includes construction of:
 - Any facility, technology, or system that captures, utilizes, or sequesters carbon dioxide emissions, including projects for direct air capture; and
 - Carbon dioxide pipelines



- Criteria:
 - Project is covered by a programmatic plan or environmental review developed for the primary purpose of facilitating development of carbon dioxide pipelines
 - No NEPA requirement
 - Must involve a Federal permitting or review action

Efficiency and Accountability: the “Covered Project” Process



Transparency through the Permitting Dashboard



Denbury Riley Ridge to Natrona Project CO2

PERMITTING DASHBOARD PROJECT POSTING DATE: SEPTEMBER 22, 2016

PROJECT WEBSITE: [Riley Ridge to Natrona Project](#)

All dates below are specific to the schedule of the Environmental Review and Permitting processes for this project.



ENVIRONMENTAL REVIEW AND PERMITTING STATUS
COMPLETE



COMPLETION DATE OF ENVIRONMENTAL REVIEW AND PERMITTING
04/10/2019

4
out of
4

ENVIRONMENTAL REVIEW AND PERMITTING PROCESSES
COMPLETED



SECTOR
Pipelines



CATEGORY
Project Category FAST-41 Covered Projects



LEAD AGENCY
Department of the Interior, Bureau of Land Management

Other Agencies with Actions or Authorizations:



Department of the Interior, Fish and Wildlife Service

Description:

The Riley Ridge to Natrona Project (Project) consists of three right-of-way grant applications: (1) the Riley Ridge Carbon Dioxide (CO₂) Pipeline Project, (2) the Bairoil to Natrona CO₂ Pipeline Project, and (3) right-of-way for a 230-kilovolt (kV) transmission line to supply energy to the proposed Riley Ridge Sweetening Plant. It is a 243-mile project crossing through Fremont, Sublette, Sweetwater and Natrona counties in Wyoming on federal, state and private lands (191 miles on BLM lands). If approved, the Project would include the proposed Riley Ridge Sweetening Plant where H₂S would be separated from the CO₂ stream and injected into a deep geological formation via two proposed adjacent hydrogen sulfide (H₂S) injection wells.

Project page provides:

- Agency contact information
- Project sponsor contact information
- List of all agencies involved
- Project location and description
- Up-to-date project schedule

Visit: Permits.Performance.gov

Transparency through the Permitting Dashboard

Permitting Timetable includes:

- all federal milestones required
- the timeline for completion of each action
- current status of each action

Visit: [Permits.Performance.gov](https://permits.performance.gov)

Project Address
 WY
 United States
 County
<https://www.blm.gov/style/medialib/blm/wy/information/NEPA/rsfodocs/rnp.Par.15786.File.dat/Map.pdf>

Lead Agency Information:

POC Name: Mark Mackiewicz
POC Title: Senior National Project Manager
POC Email: BLM_WY_RRNP@blm.gov
Agency/Department: Bureau of Land Management

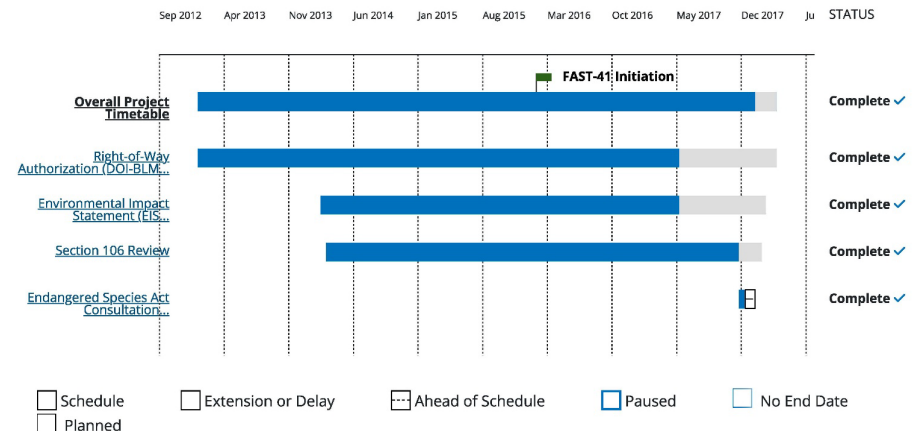
Sponsor Contact Information:

Project Sponsor: Denbury Green Pipeline-Riley Ridge, LLC (
POC Name: Rusty Shaw
POC Title: Environmental Compliance Manager
POC Email: rusty.shaw@denbury.com

Permitting Timetable

The permitting timetable below displays data as reported by agencies. Dates for Environmental Review and Permitting processes (Actions) that are in 'Paused' or 'Planned' status are subject to change and are not indicative of a project's final schedule.

- For information about extensions, select an Action from the timetable below and select 'View Action Details' at the bottom of the page.



Transparency through the Permitting Dashboard

Dashboard also provides additional information about each required action

Right-of-Way Authorization (DOI-BLM)

Project Name:

[Denbury Riley Ridge to Natrona Project CO2](#)

Responsible Agency:

Bureau of Land Management

Status:

Complete

POC Name:

Mark Mackiewicz

POC Title:

Senior National Project Manager

POC Email:

mmackiew@blm.gov

Description:

Issue *Right of Way* for each of two underground pipeline projects: (1) the Riley Ridge Carbon Dioxide (CO₂) Pipeline Project (WYW-167867) and (2) the Bairoll to Natrona CO₂ Pipeline Project (WYW-168290). Issuance of the Rigts of Way is dependent on the BLM ROD.

Milestones:

Initial application received (Agency Action)

Completed Date:

02/19/2013

Final decision/agency action (Agency Action)

Completed Date:

04/10/2019

Milestone Details

The FEIS has been delayed due to additional analysis required to address mitigation concerns. DOI has identified a new target completion date for the FEIS and is expediting the remaining permitting milestones accordingly, which includes issuing the ROD and ROW concurrently. However, issuance of the ROW is dependent upon completion of the Section 106 consultation.

There are no milestones to display.

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Transparency through the Permitting Dashboard



Central Louisiana Regional Carbon Storage Hub - Vernon Parish One CCS Site

PERMITTING DASHBOARD PROJECT POSTING DATE: SEPTEMBER 11, 2023

PROJECT WEBSITE: [CapturePoint website](#)

All dates below are specific to the schedule of the Environmental Review and Permitting processes for this project.



ENVIRONMENTAL REVIEW AND PERMITTING STATUS
CANCELLED



ESTIMATED COMPLETION DATE OF ENVIRONMENTAL REVIEW AND PERMITTING
N/A

0
out of
0

ENVIRONMENTAL REVIEW AND PERMITTING PROCESSES
COMPLETED



SECTOR
Carbon Capture and Sequestration



CATEGORY
Project Category FAST-41 Covered Projects



LEAD AGENCY
Environmental Protection Agency

[View FAST-41 Postings by Agencies](#)

Description:

FAST-41 coverage has been cancelled. EPA granted the State of Louisiana primary enforcement responsibility or "primacy" for implementing a Class VI UIC program on February 5, 2024. Accordingly, Louisiana is now the UIC permitting authority, and there is no longer an EPA federal environmental review or authorization required for this project.



**Permitting
Council**

Thank you

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Permitting.gov