

Energy & Environmental Research Center (EERC)

PCOR Initiative to Accelerate CCUS Deployment

North Dakota Oil & Gas Research Program
Bismarck, North Dakota
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PCOR PARTNERSHIP TIME LINE

2003-2005: PCOR Partnership Phase I

2005-2008: PCOR Partnership Phase II

2007-2019: PCOR Partnership Phase III

2019-2024: PCOR Initiative

(extended to include Alaska, Wyoming, and all of Montana)





ENGAGED PARTNERS



EERC. UND NORTH DATOTA

PCOR Partnership Funding, Phases I to III

PCOR Partnership Phase	DOE Share (\$m)	Non-federal Share (\$m)	Total (\$m)
1	2.5	0.8	3.3
II	16.5	12.9	29.4
III	79.0	49.5	128.5

- Total PCOR Partnership Value, Phases I to III: \$161 million
- OGRP contribution: **\$1 million** (\$500k for Phase II, \$500k for Phase III)



REGIONAL POTENTIAL FOR CCUS DEPLOYMENT

The PCOR Partnership region opportunity to accelerate CCUS deployment:

- Suitable geology
- Fossil fuel resources
- Industrial and energy base
- Existing projects





PCOR PARTNERSHIP PHASES IIII

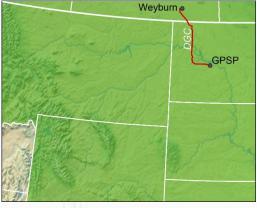
Five key messages relate to:

1. Our engaged membership.

2. Outstanding regional CCUS potential.

- 3. CCUS works! We have demonstrated:
 - a) Low risks of storage.
 - b) Successful MVA.
- 4. Economic and environmental benefits.
- 5. Active public engagement and outreach.

2003





Today

PCOR INITIATIVE AWARD, 2019–2024

Goal:

Identify and address regional storage and transport challenges facing commercial CCUS deployment.

Vision:

Provide the premier regional forum to promote CCUS infrastructure and accelerate CCUS deployment.







CCUS PORTFOLIO AT THE EERC

Primary Focus Secondary Focus

	Focus							
Project	0		CO ₂ Storage		Techno-	B I		
	Capture	Transport	Dedicated	Associated	Economic	Regulatory		
PCOR Partnership, PCOR Initiative								
CarbonSAFE North Dakota Phase II								
CarbonSAFE Wyoming Phase I/II								
CarbonSAFE Nebraska Phase I								
Red Trail Energy								
Williston Basin Field Lab								
ND Techno-Economic								
BEST	1							
SASSA	No.					FAITS STORY		
IMS								
Bakken CO ₂ Storage and EOR						10000		
Advanced Characterization								
Tight Oil CO ₂ Project								
Rich Gas for Conventional EOR								
EOR Controllable Completions								
Project Carbon		0000 CO						
Project Tundra FEED								
Aerosol Mitigation								



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