APPENDIX E

CARBON MANAGEMENT

- A carbon management strategy is often required and always desirable for permitting major industrial sources of CO_2 emissions.
- Carbon management options vary significantly based on plant type, economics, geography, and geology.

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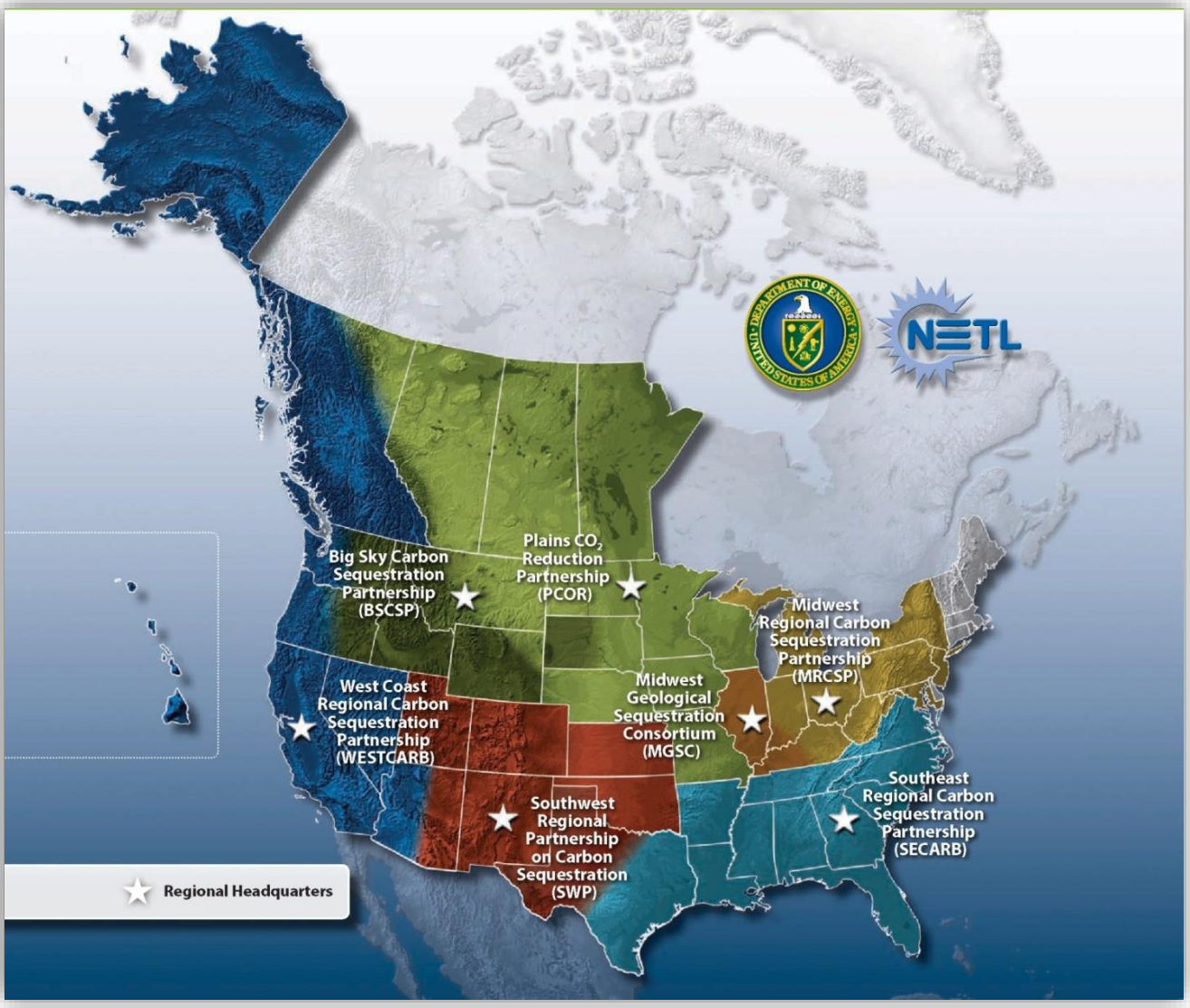
PCOR PARTNERSHIP REGION

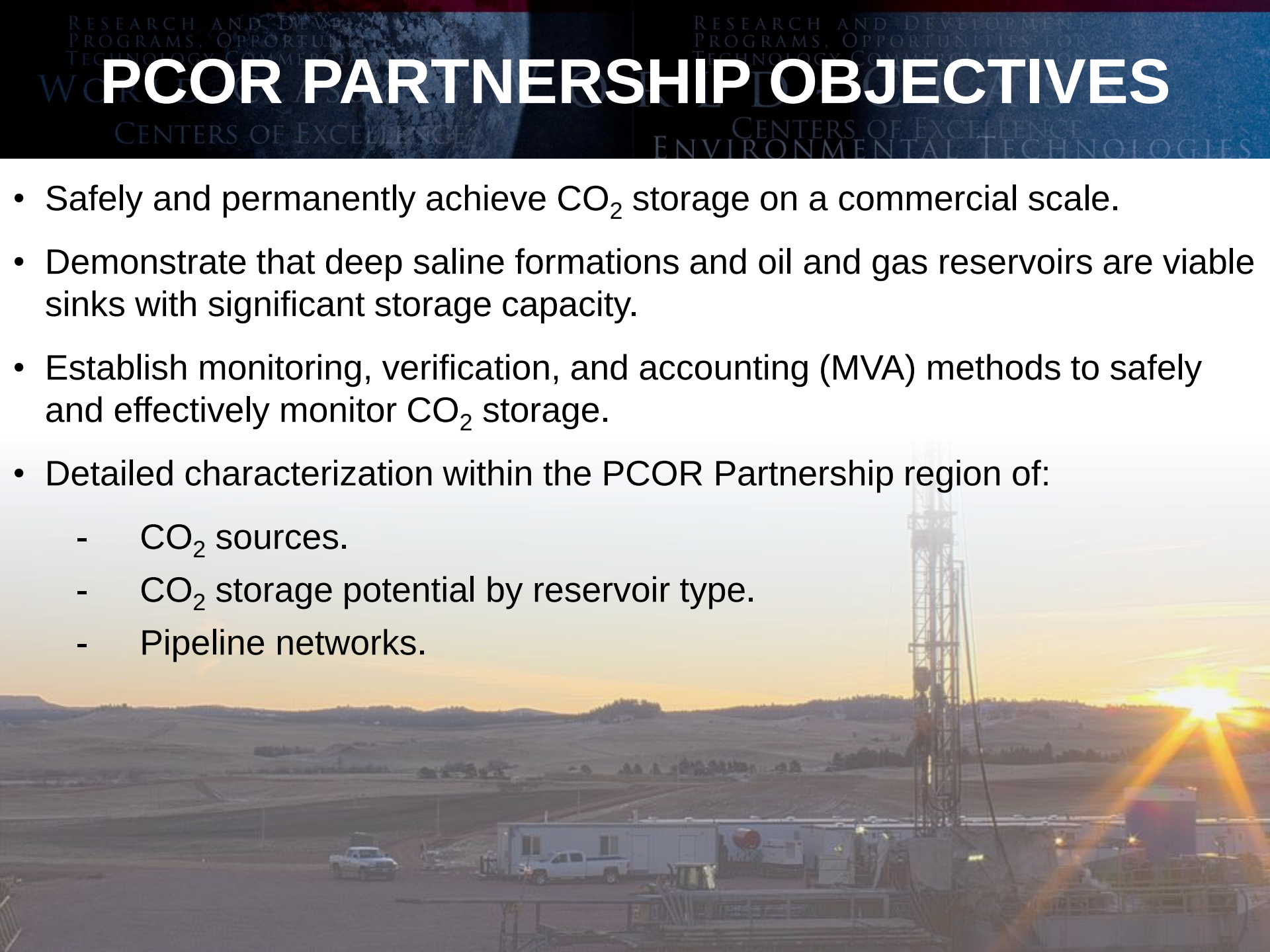


- Nine states
- Four Canadian provinces
- 1,382,089 mi^2

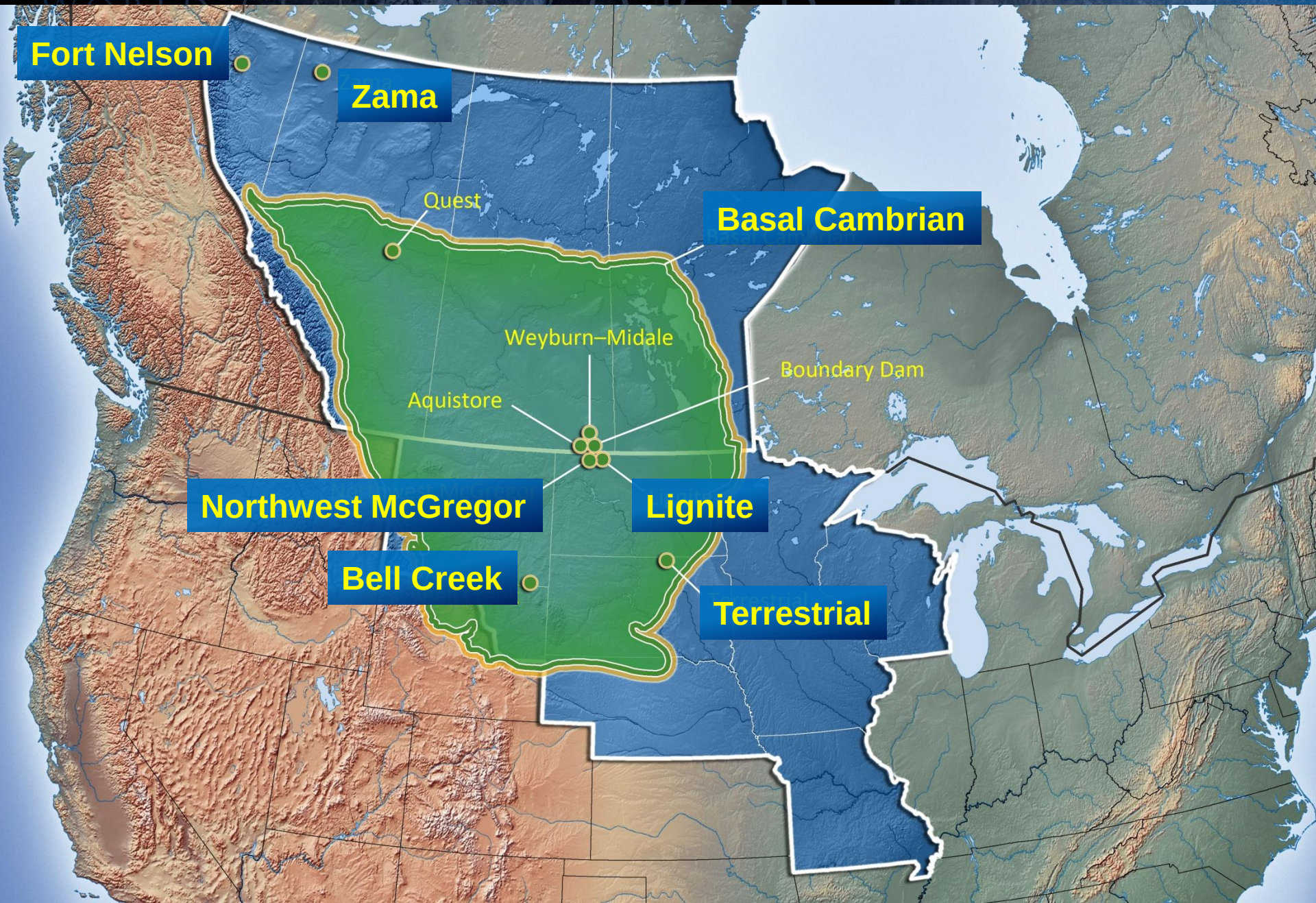
PCOR PARTNERSHIP

PCOR PARTNERSHIP OBJECTIVES

- Safely and permanently achieve CO_2 storage on a commercial scale.
- Demonstrate that deep saline formations and oil and gas reservoirs are viable sinks with significant storage capacity.
- Establish monitoring, verification, and accounting (MVA) methods to safely and effectively monitor CO_2 storage.
- Detailed characterization within the PCOR Partnership region of:
  - CO_2 sources.
  - CO_2 storage potential by reservoir type.
  - Pipeline networks.



PCOR PARTNERSHIP FIELD-BASED PROJECTS



TERRESTRIAL

NORTH DAKOTA
FIELD DEMONSTRATIONS

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BOUNDARY DAM – AQUISTORE

SaskPower

Aquistore

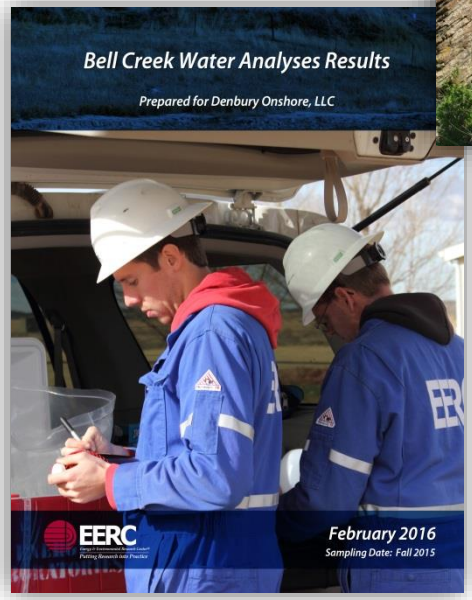
ptrc
Petroleum Technology Research Centre

BELL CREEK

2014

ONE MILLION

TONNES OF CO2 INJECTED



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INTERNATIONAL RECOGNITION IN CCS

- Two PCOR Partnership projects have been recognized by the CSLF
  - Zama
  - Fort Nelson Carbon Capture and Storage (CCS) Feasibility Project

Carbon Sequestration Leadership Forum

EERC CCS EXPERTISE

- Ranges from capture to injection and site monitoring.
  - Well versed in aspects of regulations and policies, geological investigation, field implementation, and public interest and outreach.
- Instrumental in updating several DOE CCS/carbon capture, utilization, and storage (CCUS) best practices manuals.

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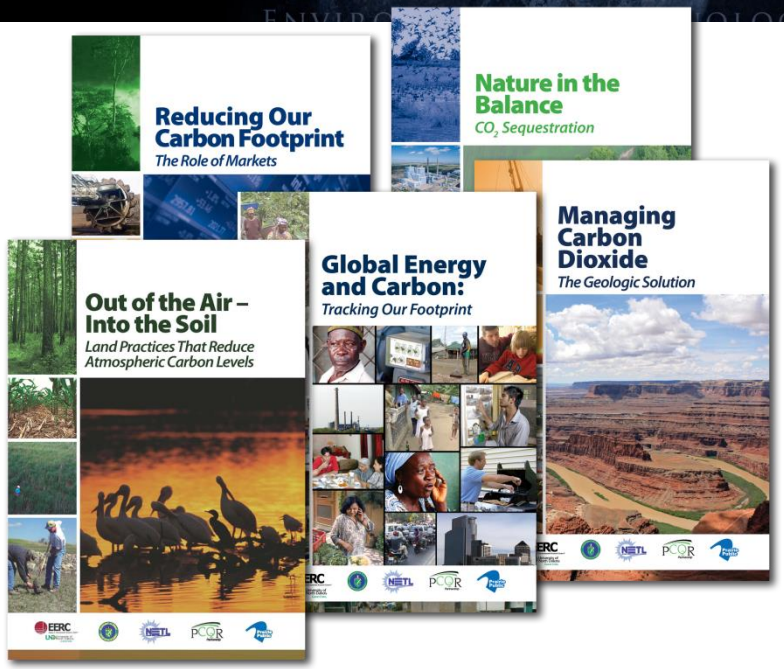
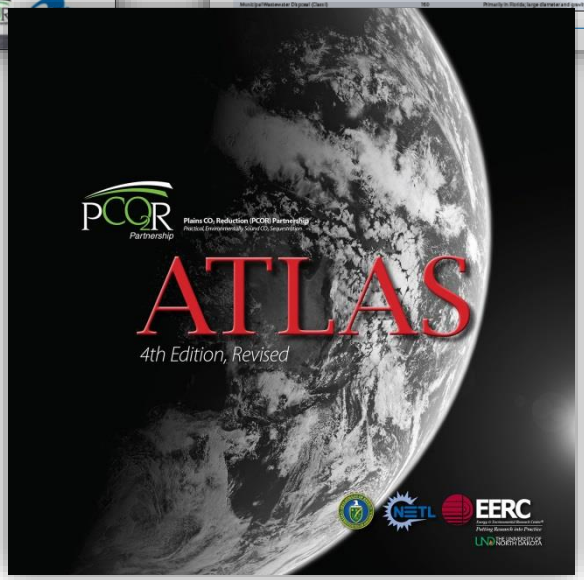
PCOR PARTNERSHIP OUTREACH ACTIVITIES





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