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Public Service Commission of Wisconsin
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Carbon Sequestration Study (5-EI-145): Draft Outline of Final Report

1) Background/Context – **John Shenot**

2) The Study Group/Process – **Chela O'Connor**

3) Carbon Capture, Storage, Transport and Legal – Overview

   i) CO2 Capture – Dennis Koepke
   - (a) Science/Engineering Issues including existing and promising technologies
   - (b) Reference PSC/DNR IGCC Report 2007
   - (c) Update IGCC Report as needed
   - (d) Post-combustion capture research at Pleasant Prairie
   - (e) Future Gen?

   ii) CO2 Storage – Chela O'Connor (with extensive assistance from group)
   - (a) Science/Engineering Issues
   - (b) Geo Seq. in Wisconsin
     1. Rely heavily on conclusions of MGS Report on Mid-Continent Rift
     2. Possible recommendations for further (limited) research
   - (c) Geo Seq. in Adjacent States
     1. Geologic Sequestration in Illinois
     2. EOR in Michigan
     3. PCOR

   iii) CO2 Transport, Electric Transmission and SNG Transport (This one still needs someone to draft)
   - (a) Science/Engineering Issues

   iv) Legal Issues – Michael Newmark

4) Three Plausible Scenarios for Wisconsin

   i) Scenario 1: Capture CO2 in Wisconsin, Transport CO2 to Storage Site outside Wisconsin – Scot Cullen, Steve Brick, Don Huff, Steve Kihm, Jay Van Campenhout, Steve McFarlane
   - (a) Overview
   - (b) Capabilities/Limitations
   - (c) Economic Cost/Benefit

   ii) Scenario 2: Capture and Store CO2 outside Wisconsin, Transport SNG to Wisconsin – Dennis Koepke, Andy Kellen, Peter Taglia, Kris McKinney
   - (a) Overview
   - (b) Capabilities/Limitations
   - (c) Economic Cost/Benefit

iii) **Scenario 3: Capture and Store CO2 outside Wisconsin, Transmit Electricity to Wisconsin – Ken Detmer, David Benforado, Todd Stuart, Scott Neitzel, Scott Smith**

(a) Overview
(b) Capabilities/Limitations
(c) Economic Cost/Benefit

5) Conclusions and Recommendations – **John Shenot and Chela O'Connor**