

United States Department of Energy • Office of Fossil Energy • National Energy Technology Laboratory

Creating the National Carbon Sequestration Framework Through Public and Private Partnerships



www.netl.doe.gov/sequestration



Two-Phased Approach

Phase I (Planning)

- 7 Projects
- 18-24 months
- ~\$1.5 million per project
- Overall ~ 40% cost share
- 2 exceed 50% cost share



Phase II (Proof-of-Concepts)

- 8 years
- ~ \$3 to \$5 million per year/project
- minimum 20% cost share
- ~ 5 Regions



Regional Carbon Sequestration Partnerships

Developing Infrastructure for Wide Scale Deployment

- **Baseline region for sources and sinks**
- **Create action plans for regulatory, liability, environmental, and outreach issues**
- **Establish monitoring and verification protocols**
- **Validating sequestration technology & infrastructure**
 - Phase 1 - design
 - Phase 2 - testing
- **Determine benefits of sequestration to region**

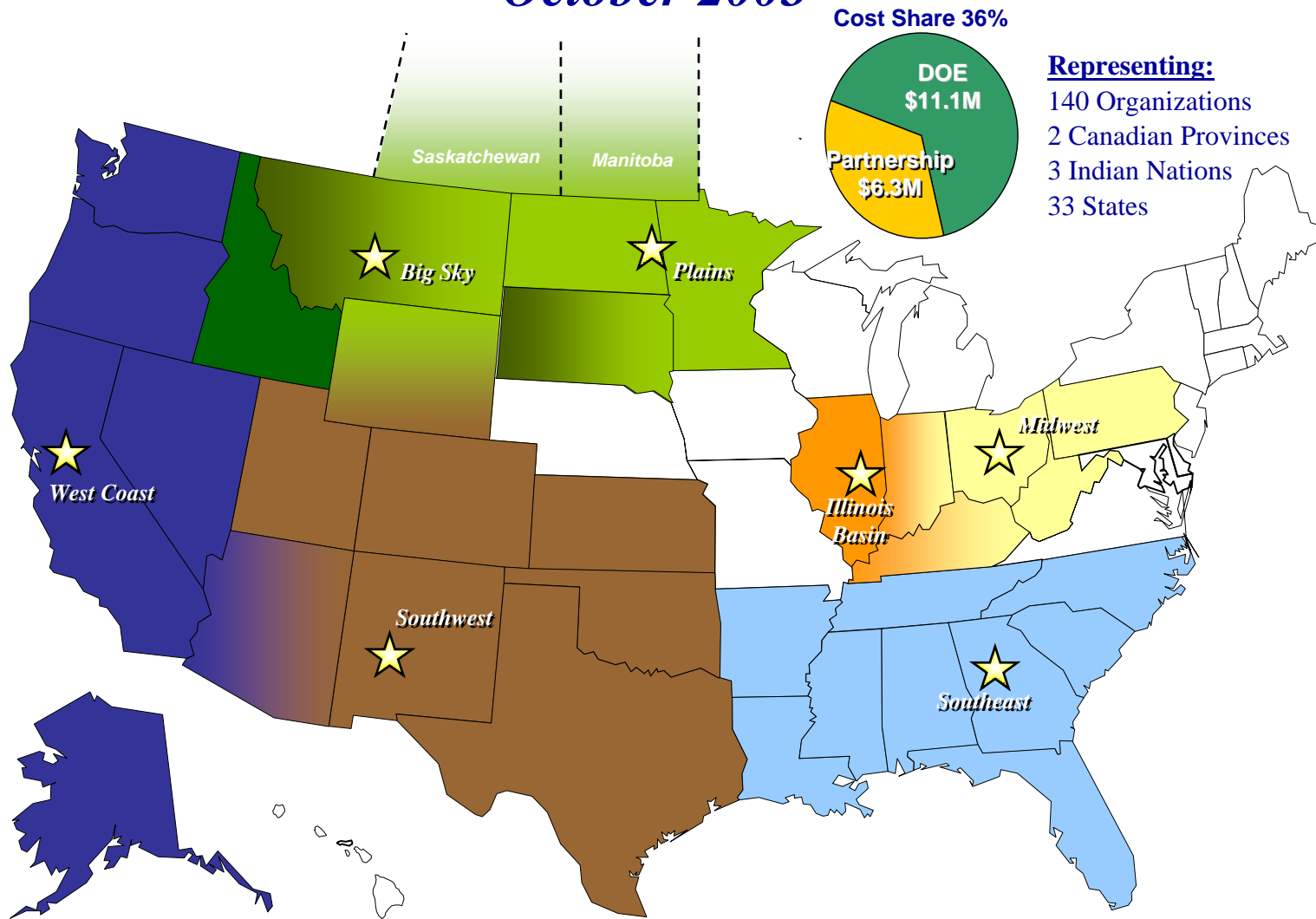
These partnerships - 4 to 10 across the country, each made up of private industry, universities, and state and local governments - will become the centerpiece of our sequestration program. They will help us determine the technologies, regulations, and infrastructure that are best suited for specific regions of the country.

Energy Secretary Spencer Abraham
November 21, 2002

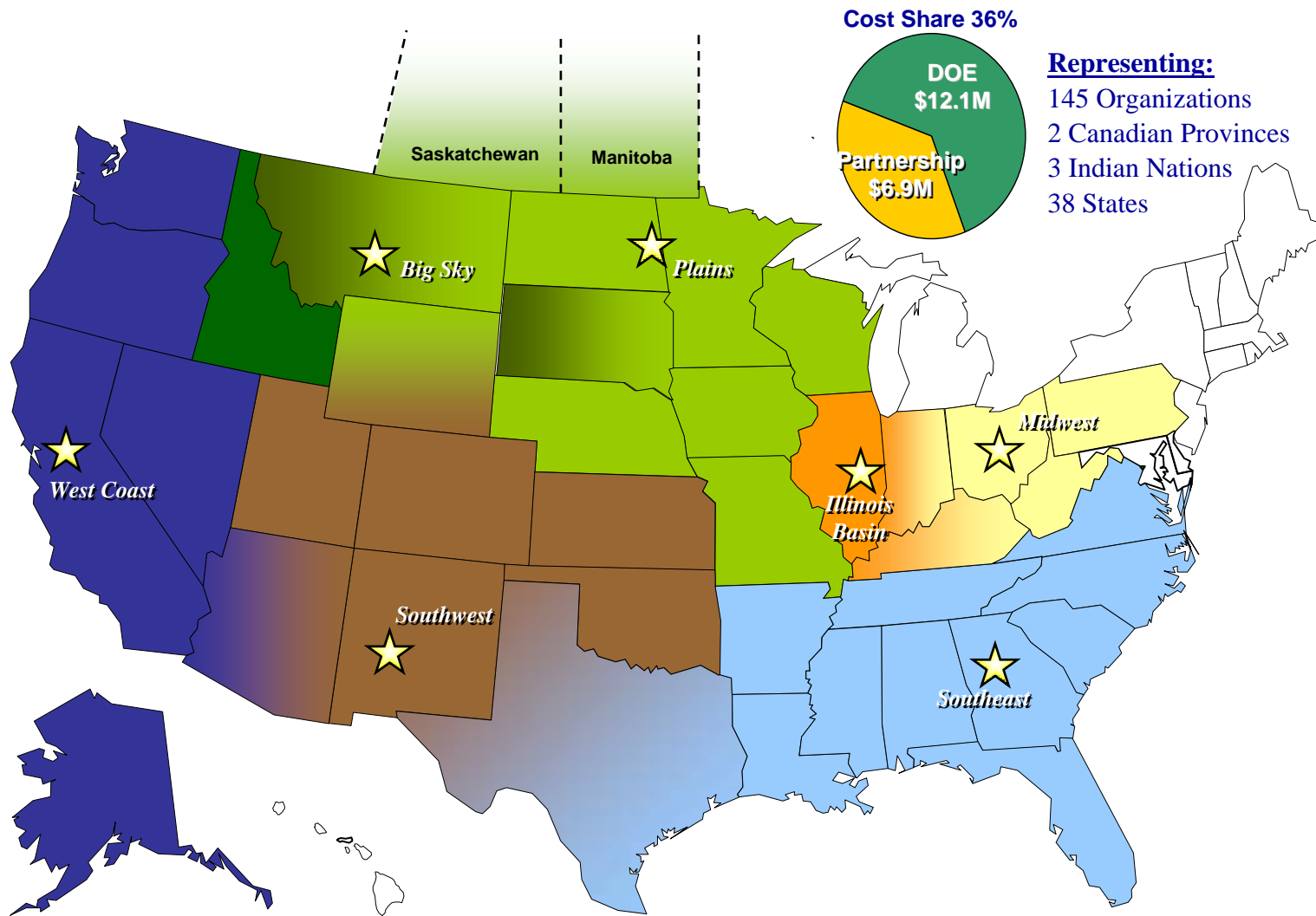


Regional Carbon Sequestration Partnerships

“October 2003”

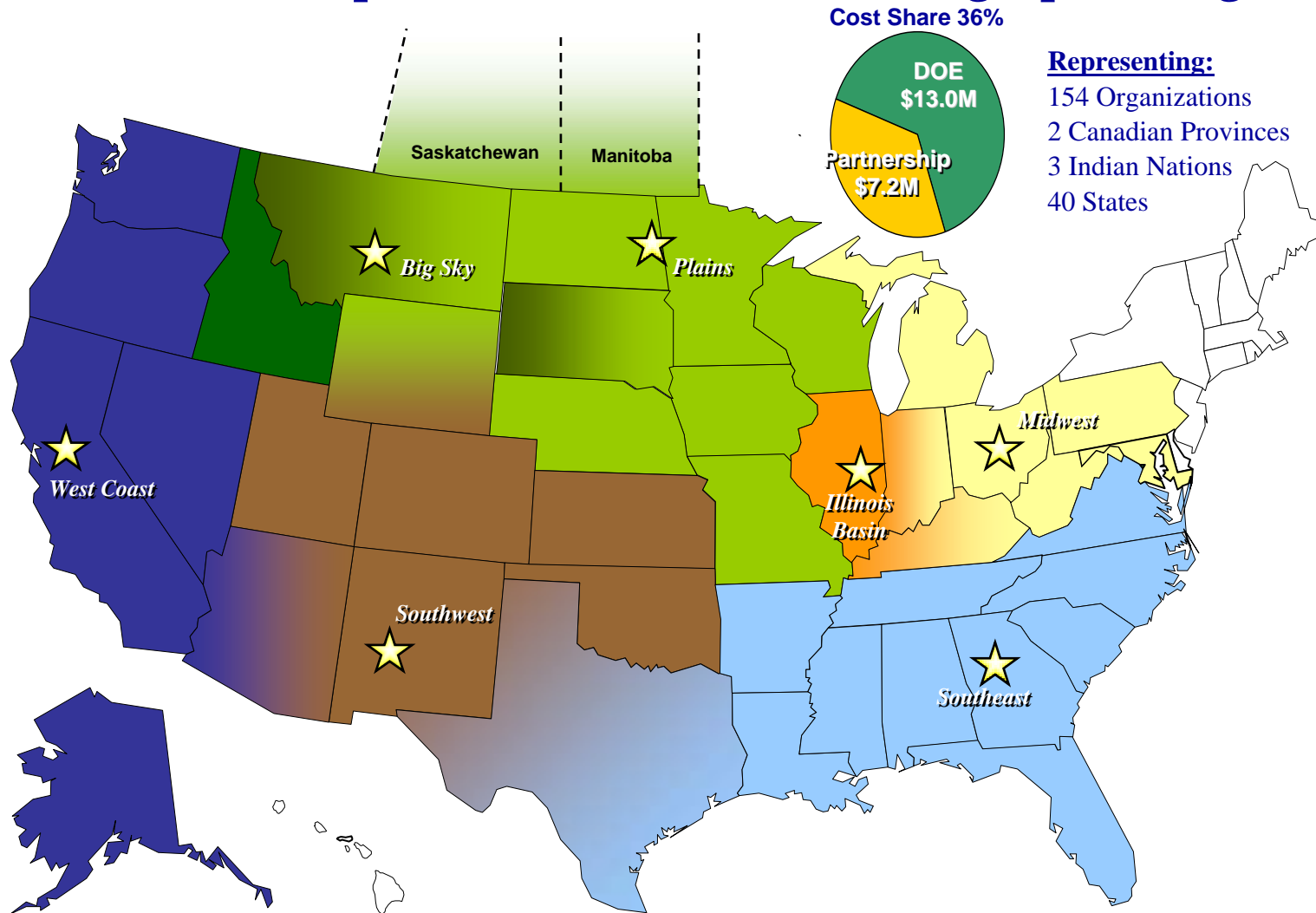


Regional Carbon Sequestration Partnerships "March 2004"



Regional Carbon Sequestration Partnerships

Seven Partnerships Established in Five Geographic Regions



Phase II Approach

(Details Still Under Development Within DOE!)

- **Not a technology development program!**
- **Establish wide-scale deployment opportunities**
- **Establish and implement Measurement, Monitoring & Verification protocols**
- **Establish and implement accounting, regulatory & liability action plans**
- **Implement outreach mechanisms**
- **Perform proof-of-concept field tests for technology & infrastructure concepts**



Let's Get On With The Show !!!!

