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WEST COAST REGIONAL CARBON SEQUESTRATION PARTNERSHIP

Developing Sequestration Options for the West Coast

Third National Carbon Sequestration Conference
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A Strong Multi-Sectoral Team Has Been Assembled for the Program

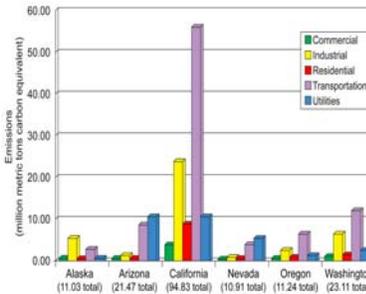
- Policy and Coordination (Western Governor's Association)
- State Resource Management, Environmental Protection, and Regulation (CA Dept. of Forestry and Fire Protection, CA Dept. of Oil, Gas and Geothermal Resources, CA Geologic Survey, CAL EPA, OR Dept. of Forestry, Nevada Bureau of Mines and Geology, WA Dept. of Natural Resources)
- Oil and Gas Companies (AERA, BP, Chevron Texaco, ConocoPhillips, Occidental Petroleum, Shell)
- NGO's (Pacific Forest Trust)
- Utilities (Pacific Corp., Salt River Project, Sierra Pacific Resources, TransAlta)
- National Lab and Research Institutions (Electricity Innovation Institute, Kearney Foundation, LBNL, LLNL, MIT, Stanford-GCEP, Winrock)
- Engineering Companies (Advanced Resources International, Clean Energy Systems, KinderMorgan, Nexant, SFA Pacific, Terralog)
- Public Outreach/Education (Cal State Bakersfield, Cal Poly, SF Dept. of Environment, Science Strategies, Western State Petroleum Association)

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WESTCARB Accounts for 11% of U.S. CO2 Emissions

- Within region, breakdown by sector: transportation 53%, utilities 13%, industry 23%.
- California is second in nation in CO₂ emissions



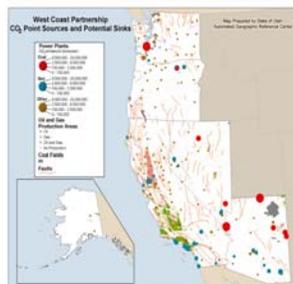
State	Total Emissions
Alaska	11.03
Arizona	21.47
California	94.83
Nevada	10.91
Oregon	11.24
Washington	23.11

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Geologic Sequestration Options are Diverse

- Large capacity in sedimentary basins throughout region
- Potential for offsetting costs with EOR, EGR, and ECBM
- Many basins have complex structure

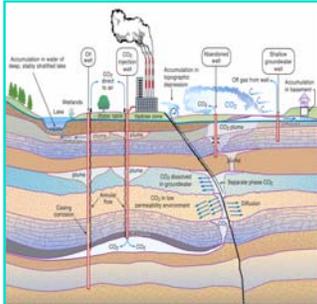


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Evaluation of Options Includes Risk Assessment

- Focus on risk of leakage
- Abandoned wells, seal integrity, need to be considered
- Use results in decision analysis for options



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Supply Curves Quantify Major Terrestrial Storage Options

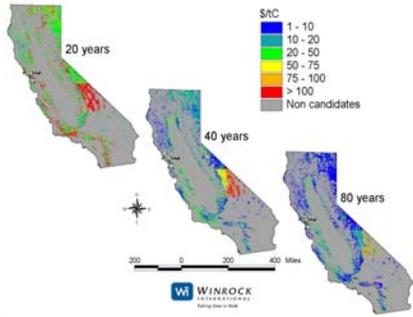
- Identify areas of current use
- Determine areas suitable for change
- Estimate additional carbon store
- Estimate opportunity, conversion, MMV costs
- Field check estimates of carbon stored in different types of projects



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Carbon Quantity and Cost of Converting Rangeland to Forest



Regional Source/Sink Information is an Important Basis for Decision-Making

- Provide data and analyses needed for informing State and national policy
- Assessing options and positioning team for conducting Phase II pilot demonstrations