





State/Province	Terrestrial	Geologic	Mandatory GHG reduction
Alaska	No	No	No
Arizona	No	Yes	No
British Columbia	?	?	?
California	Yes	Yes	Yes
Hawaii	No	No	Yes
Nevada	No	No	No
Oregon	Yes	No	No
Washington	Yes	Yes	Yes







Technology validation: terrestrial

Pilot projects

- Lake County, OR
- Shasta County, CA
- Characterized regional potential for riparian restoration, fast-growing tree species, fire management, and conservation activities
- Updated regional characterization with results from pilots and new data layers from public sources
- Identified candidate sites for future pilots in Washington and Arizona



Afforestation project in Shasta County



Monitoring crew from the Lake County Resources Initiative conduct a survey in Lake County, Oregon







Geologic characterization and test well at the Cholla site, Arizona

- Goal: Installation and testing of a well near the fly ash pond at Arizona Public Service's Cholla Power plant; drilled into saline formations at a depth of nearly 4,000 feet
- Methods:
 - Mud logs (0–3,853 ft)
 - Rotary side-wall cores (25)
 - Open-hole logs (Schlumberger)
 - Drill-stem tests of Martin and Supai target formations
 - Fluid sampling
- Results: Saline formation water; good cap rock, poor reservoir permeability

West Coast Regional Carbon Sequestration Partnership

















- Hazard Map classifying faults according to age of activity
 LBNL and LLNL addressed
- LBNL and LLNL addressed seismic hazard issues for Solano County for proposed CCS project
- LBNL/WESTCARB established baseline seismic network for Solano County site
- WESTCARB working group to examine public perception and protocols



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Quo Vadis? CCS required to meet 2050 goals across the WESTCARB Region					
California Scenario	Projected baseline in 2050 (avg. ann. growth 1990)	Reduction as percent of 2050 baseline	Reduction from 2050 to meet 20% of 1990 baseline		
High Growth	~990 (1.2%)	~900	~91%		
Moderate Growth	~800 (1.0%)	~710	~89%		
Low Growth	~630 (0.6%)	~540	~86%		
Values in million metric tons of CO ₂ (eq)/yr)					
E3 study of alternatives to achieve the 2050 goal					
EST COAST REGIONAL CARBON SEQUESTRATION PARTNERSHIP					







