

# Great Plains Institute: Leading Federal and State Initiatives in Carbon Management and Industrial Decarbonization



**CARBON CAPTURE  
COALITION**

**STATE  
CARBON  
CAPTURE  
WORK  
GROUP**



**Industrial  
Innovation  
Initiative**

a partnership between Great Plains Institute and  
World Resources Institute

**REGIONAL  
CARBON  
CAPTURE  
DEPLOYMENT  
INITIATIVE**



**GREAT PLAINS  
INSTITUTE**

Better Energy.  
Better World.

# Infrastructure Investment & Jobs Act: Carbon Management

Infrastructure Investment and Jobs Act: Carbon Management Provisions	Funding
Large Scale Pilot Projects	\$ 937 M over four years
Demonstration Programs	\$ 2.54 B over four years
Direct Air Capture Technologies Prize Competitions	Precommercial: \$15 M for FY2022 Commercial: \$100 M for FY2022
Carbon Utilization Program	\$310 M over five years
Carbon Capture Technology Program Front-end engineering and design program	\$100 M over five years
SCALE Act Financing CO <sub>2</sub> transport and storage infrastructure	\$4.6 B over five years
Direct Air Capture Hubs Creates 4 regional hubs	\$3.5 B over five years
<b>Total funding for carbon management:</b>	<b>\$12.1 B over five years</b>

# SCALE Act enables the buildout of regional CO<sub>2</sub> transport and storage infrastructure networks

- ✓ Creates a new DOE program to provide loan-interest loans and grants to help finance CO<sub>2</sub> transport infrastructure
- ✓ Provides DOE cost-share grants to support the development of large-scale commercial geologic storage sites in different regions
- ✓ Increases funding for EPA to oversee the Class VI program for permitting dedicated geologic storage projects
- ✓ Provides additional resources to states to apply to EPA for Class VI primacy to receive delegated authority for permitting geologic storage projects according to federal standards



# Infrastructure Investment & Jobs Act: Hydrogen

Infrastructure Investment and Jobs Act: Hydrogen Provisions	Funding from 2022 - 2026
Regional Clean Hydrogen Hubs	\$8 B
Clean Hydrogen Manufacturing and Recycling Program	\$500 M
Green Hydrogen Demonstration, Commercialization, and Deployment Program	\$1 B
Industrial Research and Assessment Centers	\$550 M
Smart Manufacturing Leadership	\$50 M
<b>Total funding for hydrogen:</b>	<b>\$10.1 B</b>



# Tools for State Policymakers and Stakeholders

- Regional analysis & modeling.
- State-level factsheets detailing carbon capture opportunities.
- Best practices for states to become “carbon capture ready”.
- Detailed information on state policies already implemented.
- Additional resources, including one-page primers on carbon capture, 45Q and the federal policy landscape.

[www.carboncaptureready.org](http://www.carboncaptureready.org)

