Natural

1 60

99-99

Easy

Liquid solvent* (DAC)

Natural								
CDR APPROACH	STAGE OF DEPLOYME	NT COST	MONITORING, REPORTING, AND VERIFICATION	PERMANENCE				
	Lab Pilot Demo Com	\$ Less than \$150/ton \$ \$150 - \$600/ton nerical \$ Over \$600/ton		DECADES	100-200 YEARS	200-1,000 YEARS	MILLENNIA	MILLIONS OF YEARS
Improved forest management	£	. §	Hard					
Afforestation/ reforestation	6	4 §	Medium					
Peatland/wetland restoration	£	.	Hard			Wetlands	Peatlands	
Coastal blue carbon	£	.	Hard	more research needed				
Soil carbon sequestration	£	.	Hard			up to 1,000 years if s	oil cover is turned bo	ack into forest
Hybrid								
CDR APPROACH	STAGE OF DEPLOYME	NT COST	MONITORING, REPORTING, AND VERIFICATION	PERMANENCE				
	Lab Pilot Demo Com	\$ Less than \$150/ton \$ \$ \$150 - \$600/ton \$ \$ Over \$600/ton		DECADES	100-200 YEARS	200-1,000 YEARS	MILLENNIA	MILLIONS OF YEARS
Ex situ mineralization (CO2 storage)	Ø 0	9 - 9 9	Easy					
In situ mineralization (CO2 storage)	6 0	S - S S	Easy					
Surficial mineralization/ enhanced weathering	6 0	S - S S	Medium					
BECCS* (Terrestrial BiCRS)	4 60	9-99	Easy					
Biomass burial (Terrestrial BiCRS)	00	•	Medium					
Biochar (Terrestrial BiCRS)	00	S - S S	Medium					
Bio-oil (Terrestrial BiCRS)	1	66	Easy					
Ocean alkalinity enhancement		S - S S	Hard				100s of Millennia	
Ocean fertilization (Ocean BiCRS)	0:-	9-99	Hard	shallow ocean deep		deep o	cean	
Macroalgae (Ocean BiCRS)	1	6 - 66	Hard	shallow ocean		deep ocean		
Artificial upwelling and downwelling (Ocean BiCRS)	0:-	9-99	Hard	shallow ocean		deep ocean		
Engineered								
CDR APPROACH	STAGE OF DEPLOYME	NT COST	MONITORING, REPORTING, AND VERIFICATION	PERMANENCE				
	Lab Pilot Demo Com	\$ Less than \$150/ton \$ \$150 - \$600/ton \$ \$ Over \$600/ton		DECADES	100-200 YEARS	200-1,000 YEARS	MILLENNIA	MILLIONS OF YEARS
Direct ocean capture*	1	§6	Medium					
Electrochemical* (DAC)		969	Easy					
Solid solvent/ mineralization* (DAC)	1	969	Easy					
Solid sorbent* (DAC)	00	96-969	Easy					
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