Transformational Pilot-Scale Technologies

	sonne CO_2 u	Incre Capture of to 95- apture e	e Rates	2 13 Tran Technology	rogram Activity
	Coal Plants		Natural Gas Plants		Industrial Facilities
Engineering-Scale / Small Pilot-Scale			0.5 to 5.0 MWe (5 to 45 tonnes CO_2 /day)		2.5 tonnes CO_2/day
Large Pilot-Scale	Pilot-Scale 5-25 MWe		5-25 MWe		
Technologies Te	sted at Pilot Scal	e /	ation	7	
TECHNOL	OGY HIGHLIGHTS		Application	TECHNOLOGY DEVELOP	ER PROJECT PRIME PERFORM
Aqueous Amine Solvent with Advanced Stripper Inter-stage Heater*		ater*		Linde-BASF	University of Illinois
Gen-2 Polaris Membrane Process*				Membrane Technology and Research	Membrane Technology and Research
Ammonia-based Mixed-Salt Solvent Process				SRI International	SRI International
Water-Lean Amine Solvent*				Research Triangle Institute	Research Triangle Institute
Flue Gas Aerosol Pretreatment for Solvent-based Processes				Linde	Linde
Membrane-Sorbent Hybrid System				TDA Research/MTR	TDA Research
Water-Lean Amine Solvent				ION Clean Energy	ION Clean Energy
Rapid Cycle Thermal Swing Adsorption Process				Svante	Chevron
CO ₂ -Binding Organic Liquid Water-Lean Solvent				Pacific Northwest National Laboratory	Electric Power Research Institu
Amine-Containing Polymer Composite Membrane				Ohio State University	Gas Technology Institute
Aqueous Amine Solvent with Process Intensification				University of Kentucky	University of Kentucky
Cryogenic Carbon Capture Process				Sustainable Energy Solutions	s Sustainable Energy Solutions
Biphasic CO ₂ Absorption Process				University of Illinois	University of Illinois
* Large Pilot	L	Matural Coal	Industrial		
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