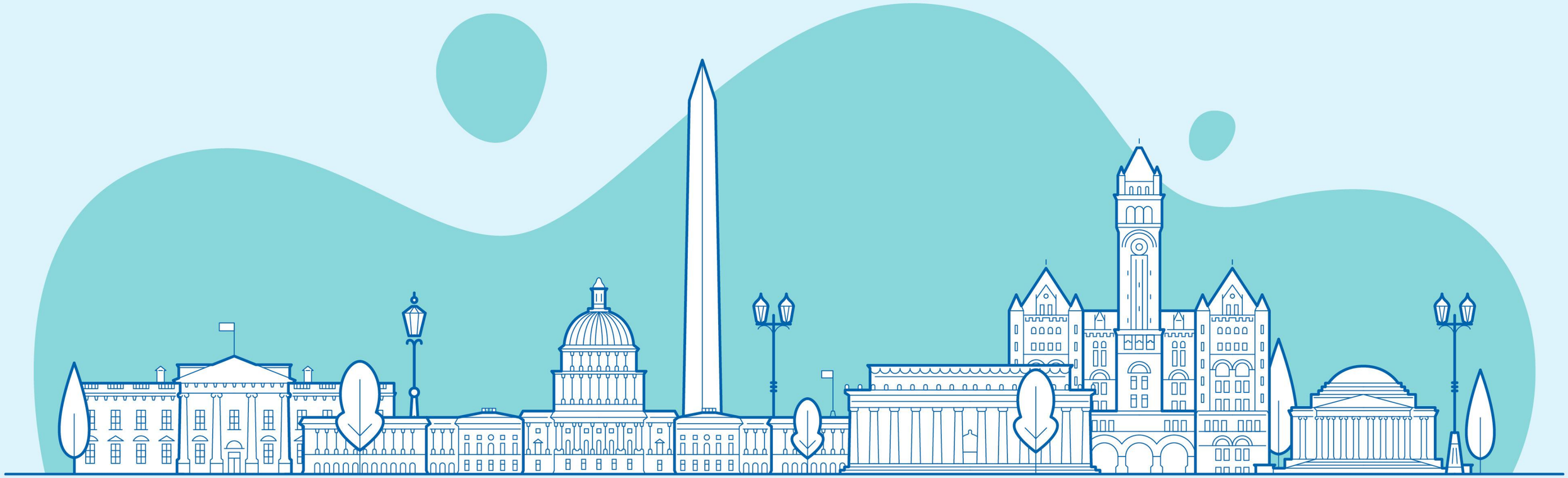
2026 AMERICAS FORUM ON CARBON CAPTURE AND STORAGE



2026 AMERICAS FORUM ON CARBON CAPTURE AND STORAGE

GLOBAL CCS INSTITUTE

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WELCOME & OVERVIEW

Poh Boon Ung

General Manager
Strategic Advocacy, Growth, and Engagement
Global CCS Institute

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AGENDA

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TIME	SESSION	SPEAKER
09:00 AM – 10:00 AM	**Registration and Networking**	
10:00 AM – 10:10 AM	**Welcome**	✓ **Global CCS Institute** - Poh Boon Ung, General Manager Strategic Advocacy, Growth, and Engagement
10:10 AM – 10:30 AM	**Opening Remarks** - Embassy of Australia	✓ **Embassy of Australia** - Jason Robertson, Chargé d'Affaires
10:30 AM – 11:00 AM	**Fireside Chat with EQT**	✓ **EQT -** Sarah Fenton, Executive Vice President Upstream ✓ **Global CCS Institute** - Jarad Daniels, CEO
11:00 AM – 11:30 AM	**Global Trade: Charting the Low-Carbon Frontier**	✓ **CF Industries** - Linda Dempsey, Vice President, Public Affairs ✓ **Linde** - Lars-Erik Gaertner, Innovation Technology Specialist and Program Manager ✓ **Woodside** – Ian Rodwell, General Manager, New Energy Business ✓ *Moderated by Jessica Raines, Senior Regional Manager, Global CCS Institute*
11:30 AM – 12:10 PM	**What It Takes to Attract Data Centers to NG+CCS Power**	✓ **ADM** - Matt Kaloupek, Vice President of Carbon Capture and Storage ✓ **AWS for Energy, Utilities, & AI** – Saurabh Chaugule, PhD. Global Head, Strategy and BD ✓ **Low Carbon Infra (LCI)** - Matt Mangum, Senior Vice President of Development ✓ **SLB** – Katherine Rojas, Senior Vice President, Industrial Decarbonization ✓ *Moderated by Matt Bright, Senior Regional Manager, Global CCS Institute*

12:10 PM – 1:10 PM	**Networking Lunch**	
1:10 PM – 1:50 PM	**Advancing CCS with Enhanced Recovery**	✓ **Advanced Resources International (ARI)** - Matt Wallace, Vice President ✓ **Carbon Utilization Research Council (CURC)** - Shannon Angielski, Executive Director ✓ **Energy & Environmental Research Center (EERC)** - John Harju, Vice President ✓ **EQT Corporation** - John Litynski, Carbon Storage & Sequestration, Program Director ✓ *Moderated by Traci Rodosta, Head of Americas, Global CCS Institute*
1:50 PM – 2:10 PM	**CCS Development in China: Status and Trends**	✓ **Global CCS Institute** - Xiaoliang Yang, China Country Manager
2:10 PM – 2:40 PM	**Book Talk: Carbon Removal**	✓ **Imperial College London** - Niall Mac Dowell, Professor ✓ **MIT** - Howard Herzog, Senior Research Engineer
2:40 PM – 3:10 PM	**Afternoon Networking Break**	
3:10 PM – 3:50 PM	**From Awareness to Acceptance: Building Public Confidence in Carbon Management**	✓ **Aircapture** - Matt Atwood, CEO and Founder ✓ **American University** – Simon Nicholson, Associate Professor of International Relations and Associate Dean for Research, School of International Service ✓ **Deep Sky** – Jason Vanderheyden, Vice President Government Affairs and Public Policy ✓ **Natural Resources Canada** – William Ward, Policy Analyst ✓ *Moderated by Damian Doyle, Counsellor, (Climate and Energy), Embassy of Australia*
3:50 PM – 4:20 PM	**Regional Prosperity Through Low-Carbon Investment**	✓ **Invest Alberta** – Tate Turner, Investment Advisor ✓ **LSG** - Scott Castleman, Executive Vice President ✓ **University of Wyoming** – Fred McLaughlin, Director, Center for Economic Geology Research ✓ *Moderated by Matt Bright, Senior Regional Manager, Global CCS Institute*

4:20 PM – 4:40 PM	**Levers for At-Scale Deployment of CCUS**	✓ **Baker Hughes** - Paola Carvajal, Sales Director ✓ **CEBA** – Sarah Mihalecz, Senior Director, Energy Transitions ✓ *Moderated by Jessica Raines, Senior Regional Manager, Global CCS Institute*
4:40 PM – 5:00 PM	**Closing Remarks - Global CCS Institute**	✓ **Global CCS Institute** - Jarad Daniels, CEO
5:00 PM – 6:30 PM	**Networking Reception**	

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OPENING REMARKS

Jason Robertson

Chargé d'affaires

Embassy of Australia

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FIRESIDE CHAT WITH EQT

Jarad Daniels
CEO

Global CCS Institute
{Moderator}

Sarah Fenton
Executive Vice President Upstream

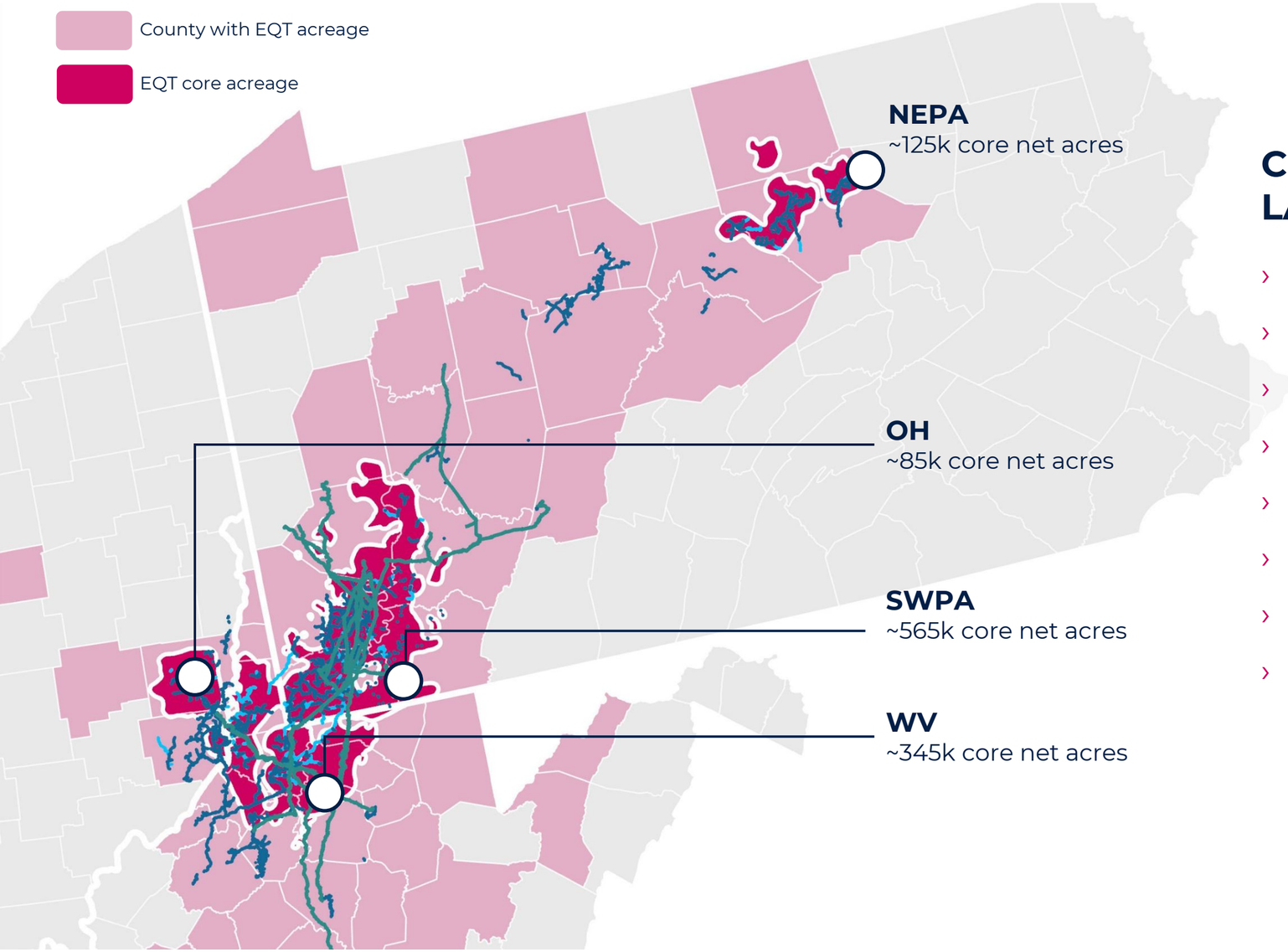
EQT Corporation

EQT Today

PREMIER AMERICAN GAS

The Premier American Natural Gas Company

The lowest cost and only domestic, large-scale vertically integrated natural gas producer

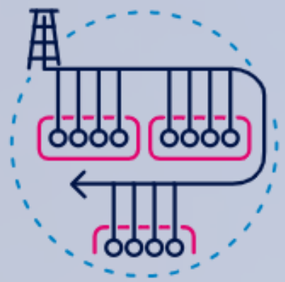


CRITICAL INFRASTRUCTURE ACROSS THE LARGEST APPALACHIAN RESOURCE BASE

- **GATHERING LINES: ~**2,000 miles
- **WATER LINES:** ~475 miles
- **FERC TRANSMISSION LINES:** ~950 miles
- **MOUNTAIN VALLEY PIPELINE:** ~300 miles
- **PROCESSING:** ~225 MMcf/d
- **GATHERING COMPRESSION:** ~650,000 HP
- **TRANSMISSION COMPRESSION:** ~197,000 HP
- **GAS STORAGE:** >40 Bcf

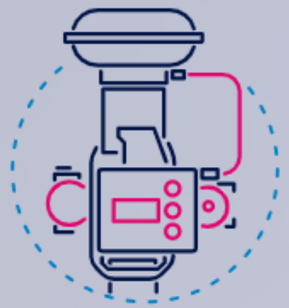
1. Equity value calculated as of April 14, 2026. 2. Unlevered FCF breakeven is defined as the average Henry Hub price needed to generate positive unlevered free cash flow (a non-GAAP measure, see appendix for definition).

Net Zero



EWDs & Combo Development

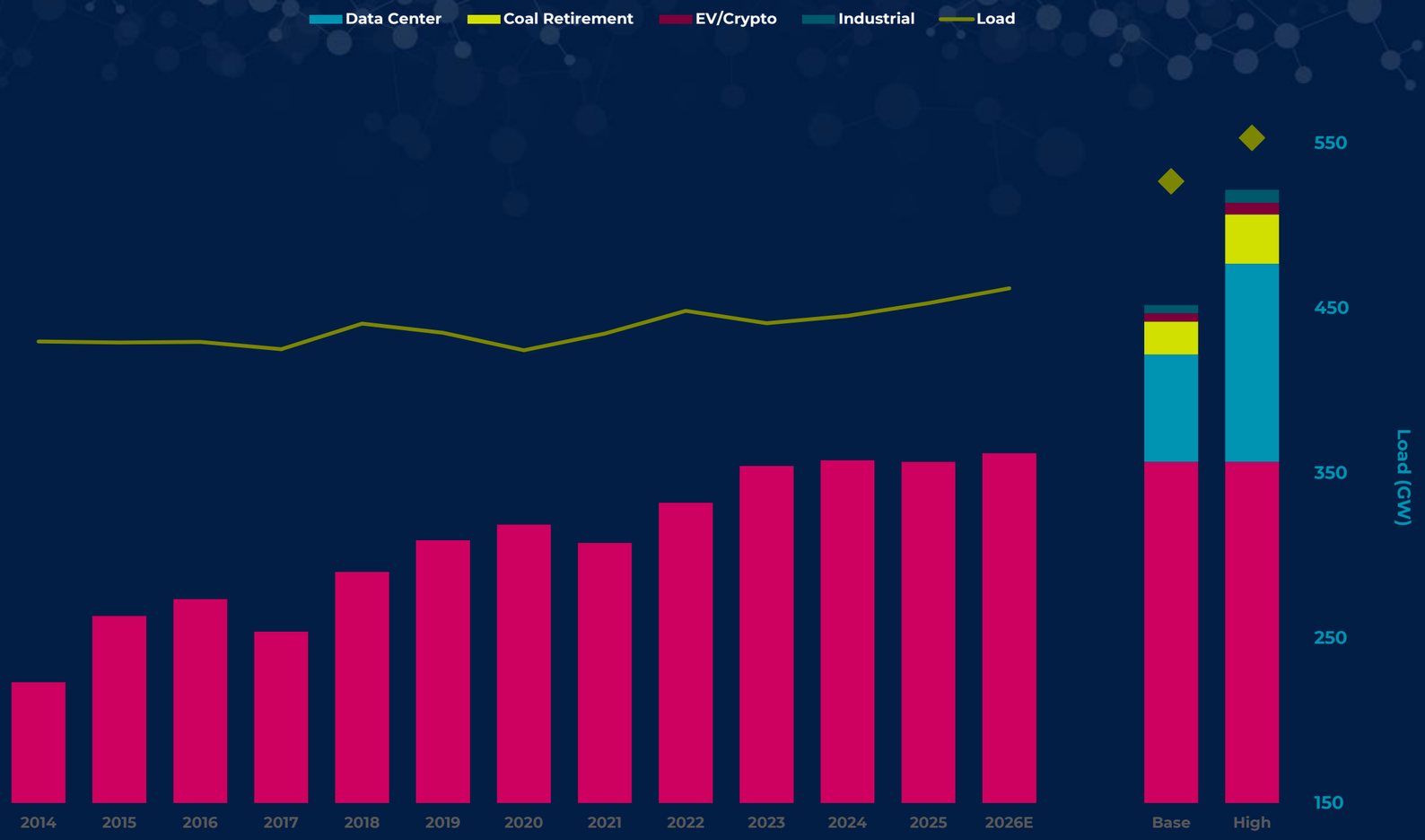
Electrify the Oilfield



Pneumatic Device **Replacement**

Advanced Methane Monitoring

Booming Demand



CCUS

UTILIZATION

Turn CO_2 into a working asset

STORAGE

Class VI Storage

Integrated. Scalable.

Grounded in subsurface expertise.

Appalachia

Leading energy and carbon management hub in North America

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GLOBAL TRADE: CHARTING THE LOW CARBON FRONTIER

Jessica Raines
Senior Regional Manager Americas

Global CCS Institute {Moderator}

Linda Dempsey
Vice President Public Affairs

CF Industries

Lars-Erik Gaertner
Innovation Technology Specialist and Program Manager

Linde

Ian Rodwell
General Manager New Energy Business Development

Woodside Energy

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WHAT IT TAKES TO ATTRACT DATA CENTERS TO NG + CCS POWER

Matt Bright
Senior Regional Manager Americas

Global CCS Institute {Moderator}

Matt Kaloupek
Vice President of Carbon Capture & Storage

ADM

Saurabh Chaugule Ph.D.
Global Head Strategy & BD

AWS for Energy Utilities, and AI

Matt Mangum
Senior Vice President of Development

Low Carbon Infra (LCI)

Katherine Rojas
Senior Vice President Industrial Decarbonization

SLB

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NETWORKING LUNCH – 1 HOUR

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We will resume the program at 1:10 PM

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ADVANCING CCS WITH ENHANCED RECOVERY

Traci Rodosta
Head of Americas

Global CCS Institute {Moderator}

Matt Wallace
Vice President

Advanced Resources International (ARI)

Shannon Angielski
Executive Director

Carbon Utilization Research Council (CURC)

John Harju
Vice President
Strategic Partnerships

Energy Environment Research Center (EERC)

John Litynski
Program Director
Carbon Storage & Sequestration

EQT Corporation

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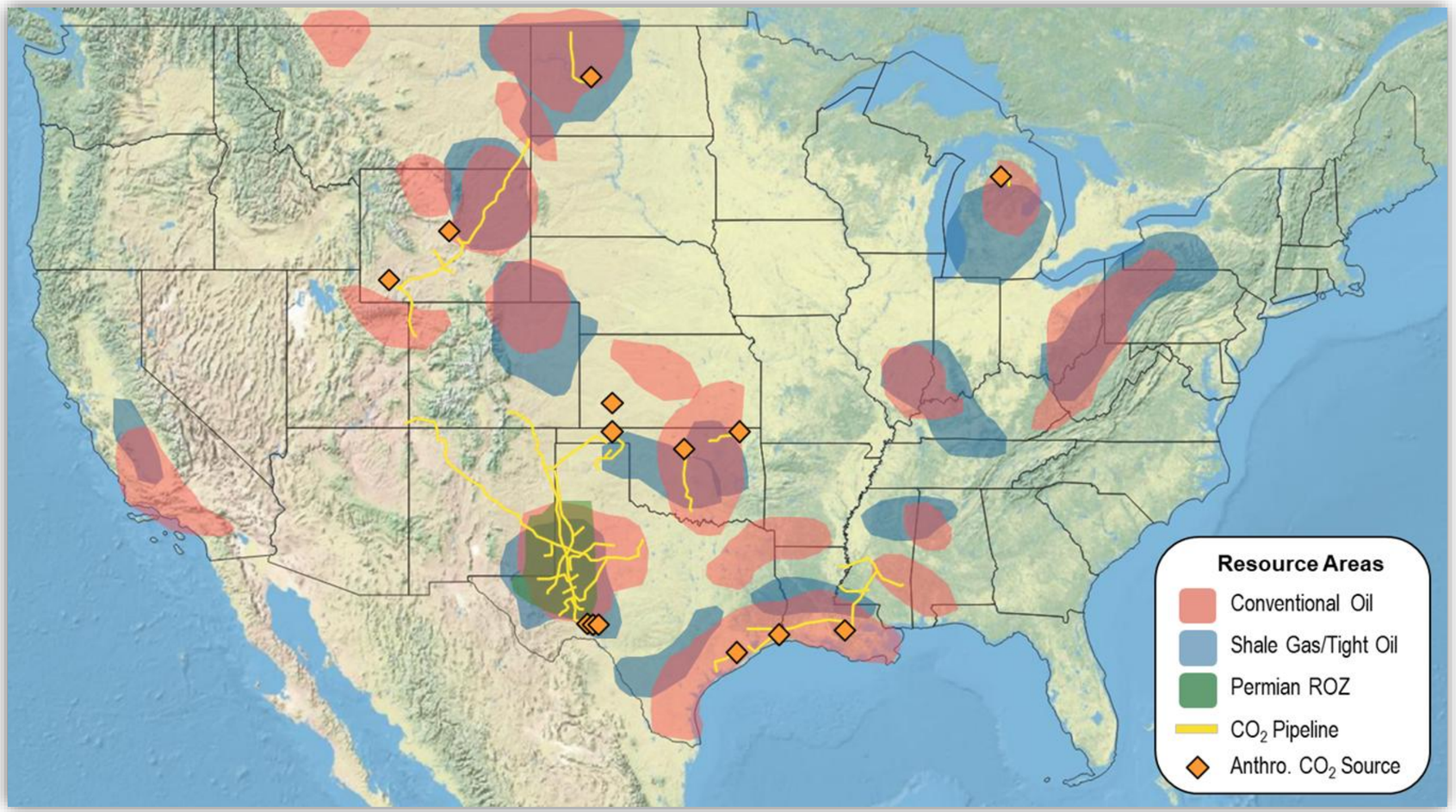
Enhanced Recovery and CO_2 Storage Resources in the U.S.

EOR/EGR Resource	Technically Recoverable	CO_2 Storage
Conventional Oil	137 Bbbl	39 Bmt
Tight Oil	48 Bbbl	20 Bmt
Permian ROZ	50 Bbbl	32 Bmt
Shale Gas	1,200 Tcf	80 Bmt
Total	**235 Bbbl/ 1,200 Tcf**	**171 Bmt**



1. *"Improving Domestic Energy Security and Lowering CO2 Emissions with Next Generation CO2 EOR." NETL, 2011*
2. *"Increasing Shale Oil Recovery and CO2 Storage with Cyclic CO2 EOR." USEA, 2020*
3. *"Defining an Overlooked Domestic Oil Resource and CO2 Storage Opportunity: The Residual Oil Zone Resources of the Permian Basin." NETL, 2015*
4. *"Enhanced Gas Recovery and CO2 Storage in Gas Shales: A Summary Review of its Status and Potential". NETL, 2014*

Advanced Resources International, Inc.

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CCUS DEVELOPMENT IN CHINA: STATUS AND TRENDS

Xiaoliang Yang
China Country Manager
Global CCS Institute

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Embassy of Australia
Washington

GLOBAL CCS INSTITUTE

2026 Americas Forum on CCS
12 May 2026, Washington, D.C.

GLOBAL CCS INSTITUTE

CCUS Development in China: Status and Trends

Position

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Why CCUS Matters

CCUS is considered a key pathway supporting the country's transition toward lower-carbon, high-quality development.

Energy System Support

- Mitigating emissions
- Enhancing power system flexibility

Hard-to-Abate Sectors

- Cement
- Steel
- Chemicals
- Limited alternative mitigation options

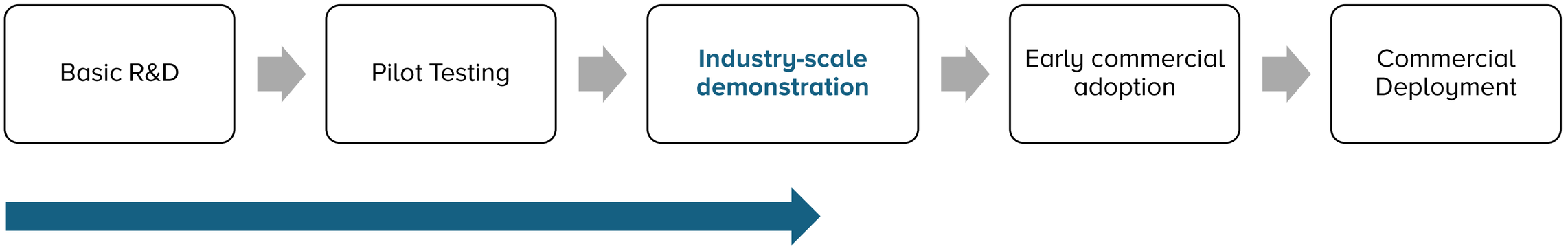
A Circular Economy

- Enabling CO_2 Capture and reuse pathways
- Potential to support new value chains

Stage

The Stage of Development

2000→ 2021 →



Support Tools

Carbon Emission Reduction Facility (CERF)

Financing support

- Introduced in 2021; extended to 2027
- Commercial lenders provide loans for eligible decarbonization projects, while the People's Bank of China (PBoC) provides refinancing support for up to 60% of the loan principal at 1.75%.
- This program supports energy savings, renewable energy, and CCUS.

Support Tools

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Advanced Low-carbon Technology Demonstration Program

Demonstration project support

- Started in 2023
- This program provides direct funding support to selected renewable energy, new-generation power grid & energy storage, and CCUS projects.
- Project requirements for CCUS (2024): Coal power: ≥ 1 Mt CO_2/year; Industry sectors: ≥ 0.3 Mt CO_2/year
- Priority given to projects with: CO_2 pipelines, Geological storage, or EOR integration.

Progress Overview

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Largest Applications by Sector

(Unit: Annual Scale/Project)

	100 Ktpa	200 Ktpa	500 Ktpa	1 Mtpa	1-2 Mtpa	3-4 Mtpa
Coal power					Achieved	
Coal-to-chemicals			Achieved			
Cement		Achieved				
Petrochemical				Achieved		
Steel			Achieved			
Geological storage (incl. EOR)				Achieved		
Offshore Storage	Achieved					

* This table solely reflects the operational project with the largest scale based on publicly available information.
** This table excludes projects currently under construction or that have been announced.

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Representative Operational Projects since 2022

(Source: PRNewswire)

(Source: ceic.com)

SINOPEC

- Fertilizer plant
- 1 Mtpa
- Operational since August 2022
- 109 km pipeline + EOR

China National Energy Investment Ningxia

- Coal-to-Olefins
- 500 Ktpa (Phase 1)
- Operational since September 2024
- Designed for CO_2 utilization (including EOR)

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Representative Operational Projects since 2022

(Source: ccement.com)

China Building Materials Group

- Oxy-fuel combustion in a cement plant
- 200 Ktpa
- Commissioned in Jan. 2024
- Designed for CO_2 utilization

(Source: Xinhua)

China National Energy Investment Taizhou

- Coal power
- 500 Ktpa
- Operational since June 2023
- Designed for CO_2 utilization

Representative Operational Projects since 2022

(Source: ifrf.net)

CNOOC

- Offshore Natural Gas Production
- 100 Ktpa
- Operational since May 2025
- Commercial operation with EOR

(Source:Globalpeople & Chinadaily)

Huaneng

- Coal power
- 1.5 Mtpa
- Capture commissioned in Sept. 2025; storage commissioned in Jan. 2026
- Designed for geological storage and enhanced oil recovery

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Emerging Hub Development

	Daya Bay Area (close to Shenzhen)	Yangtze River Delta Area (close to Shanghai)
Partners	• Shell • CNOOC	• BASF • Shell • SINOPEC • Baowu Steel

Target	• Up to 10 Mtpa
	  ○ With a phased approach
		• Up to 10 Mtpa
		  ○ With a phased approach

Emission Sources	• Petrochemical facilities	• Various
Storage	• Offshore storage	• Offshore storage
Progress	• Feasibility study (Source: offshore-energy.biz)	• Pre-feasibility study (Source: reuters.com)

Trend

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Key Trends

- **System Integration**

  From standalone projects to integrated capture–transport–storage systems

- **Cluster-Based Scaling**

  Emergence of regional hubs and shared infrastructure

- **Expanding Scope**

  Expanding toward CCUS and carbon removal

- **Commercialization Signals**

  Growing role of cost reduction, market mechanisms, and business models

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Key Challenges

High cost

Limited transport & storage infrastructure

Evolving policy & regulatory frameworks

Business models still under development

Coordination challenges across regions & sectors

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Summary

- **Role**

  Supports low-carbon development, energy system flexibility, and industrial decarbonization.

- **Progress**

  Projects have expanded across multiple sectors.

- **Trends**

  Shift toward integrated systems, regional hubs, and broader carbon management.

- **Challenges**

  High cost, infrastructure gaps, evolving regulation, and immature business models.

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Thank You

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BOOK TALK: CARBON REMOVAL

Niall MacDowell
Professor

Imperial College London

Howard Herzog
Senior Research Engineer

MIT

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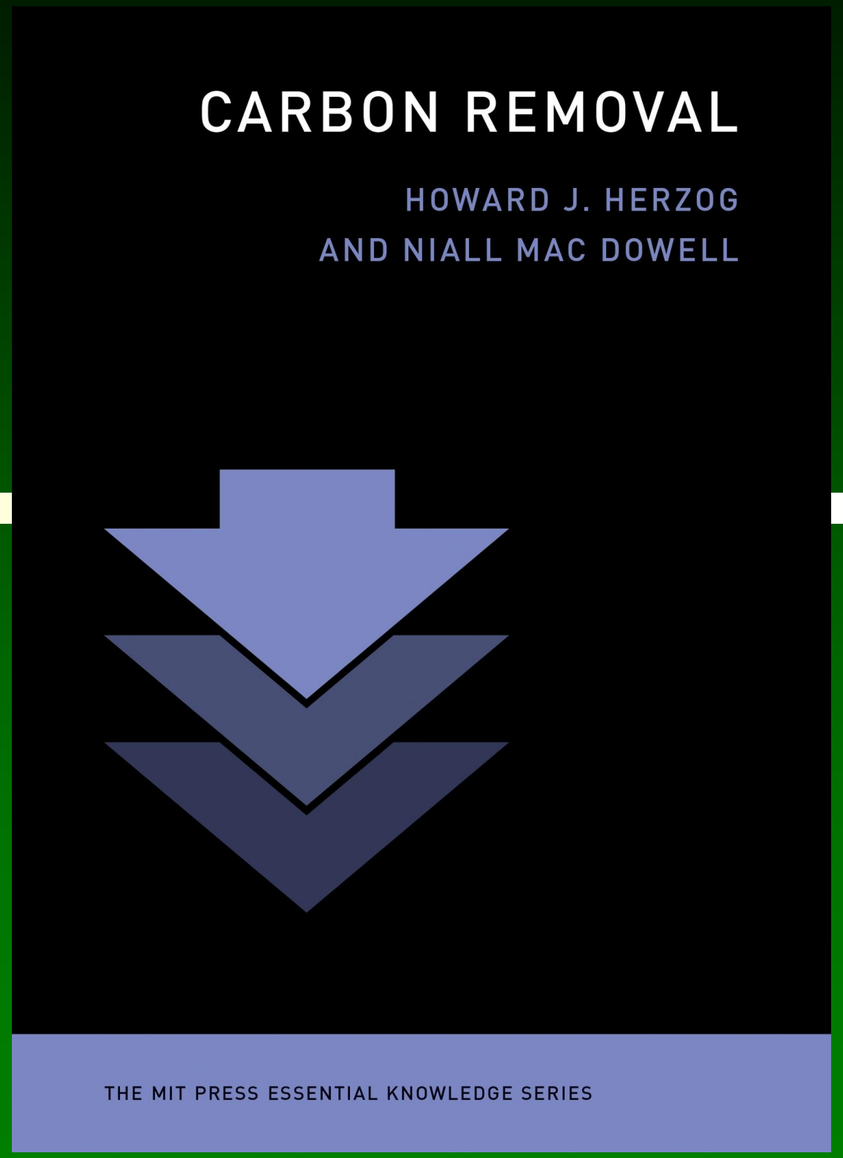
Carbon Removal: 4 Takeaways + 3 FAQs

GCCSI Americas Forum

Howard Herzog
Niall Mac Dowell
May 12, 2026



Takeaway 1: The universe of Carbon Removal pathways is large and varied.

Since this can be confusing, let's simplify.
There are only 2 removal mechanisms and 4 storage media.

CO_2 removal mechanism	CO_2 storage medium	Example pathways
Biological	Terrestrial biosphere (vegetation and soils)	Afforestation and reforestation Modified agricultural practices Biochar
	Ocean	Iron fertilization
	Deep geologic formations	Bioenergy with carbon capture and storage (BECCS)
Chemical	Ocean	Ocean alkalinity enhancement
	Rocks	Enhanced rock weathering
	Deep geologic formations	Direct air capture (DAC)

Table 1, page 11

- 4 – Enhancing Land Sinks
- 5 – Biomass-Based Carbon Removal and Storage
- 6 – Engineered Removal Pathways
- 7 - Ocean-Based Carbon Removal

Takeaway 2: All pathways for Carbon Removal at scale (Gt level) are challenged

- Permanence
- Accounting
  - Direct measurement
  - Life-cycle emissions
  - Time dependency
- Cost
- Permitting and Governance

Takeaway 3: Are Carbon Removals equivalent to emissions?

- "When you burn fossil fuels, this adds a *well-defined quantity* of CO_2 to the atmosphere at a *specific point in time*, where it persists for many *thousands of years*." page 182
- "in order to compensate for these carbon emissions, carbon removals need to be equally well defined in terms of the quantity of CO_2 removed, the time that it is removed, and the length of time it will stay out of the atmosphere." page 182

Carbon dioxide removal pathway	Timing of removal	Measurement of quantity removed	Permanence of removal
Bioenergy with carbon capture and storage (BECCS)	0	+	+
Direct air capture (DAC)	+	+	+
Afforestation	0	0	–
Biochar	0	+	–
Enhanced rock weathering	–	–	+

Table 4, page 183

Takeaway 4: The Role for Carbon Removal

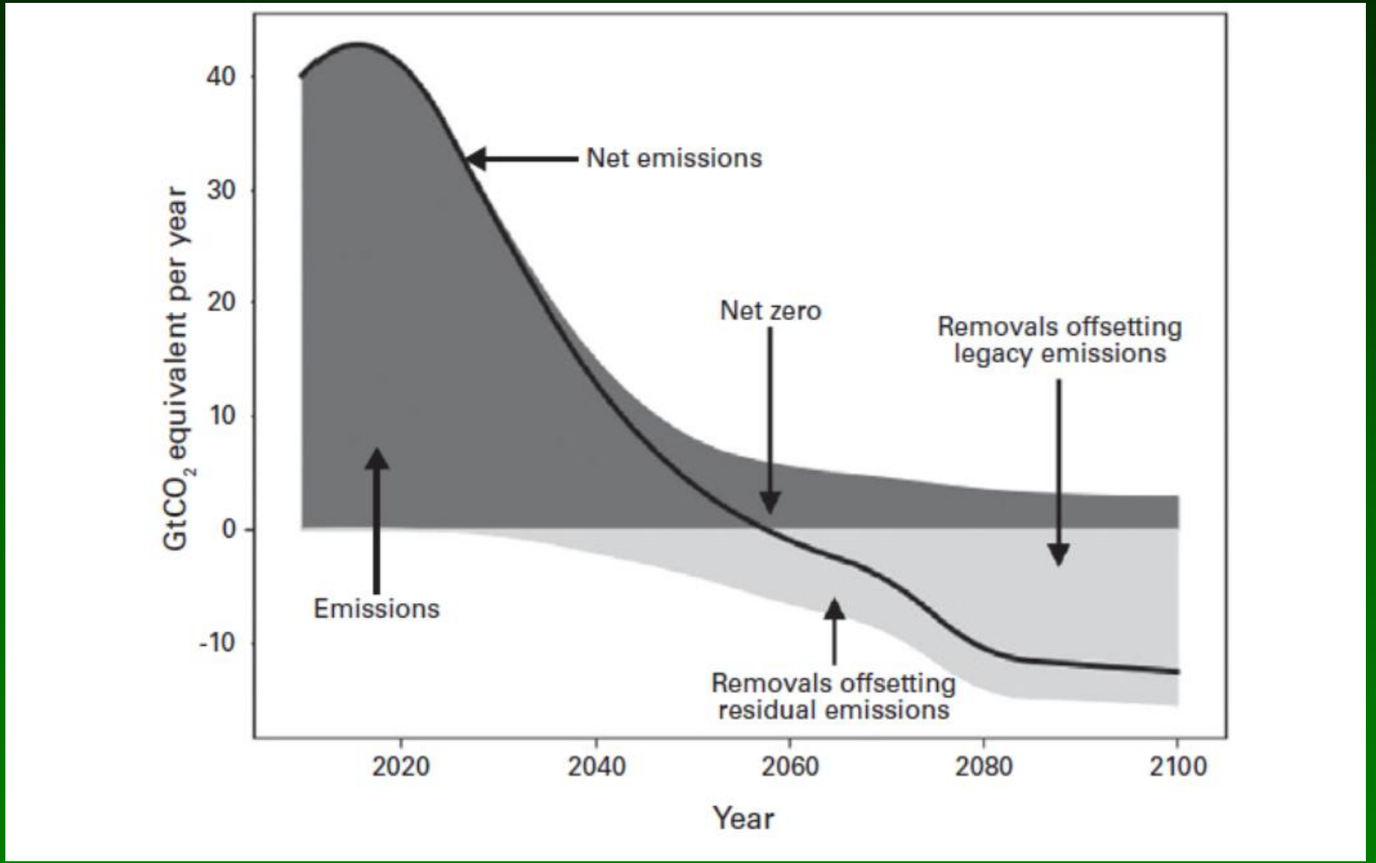


Figure 5, page 33

Carbon Removal as a Backstop Technology

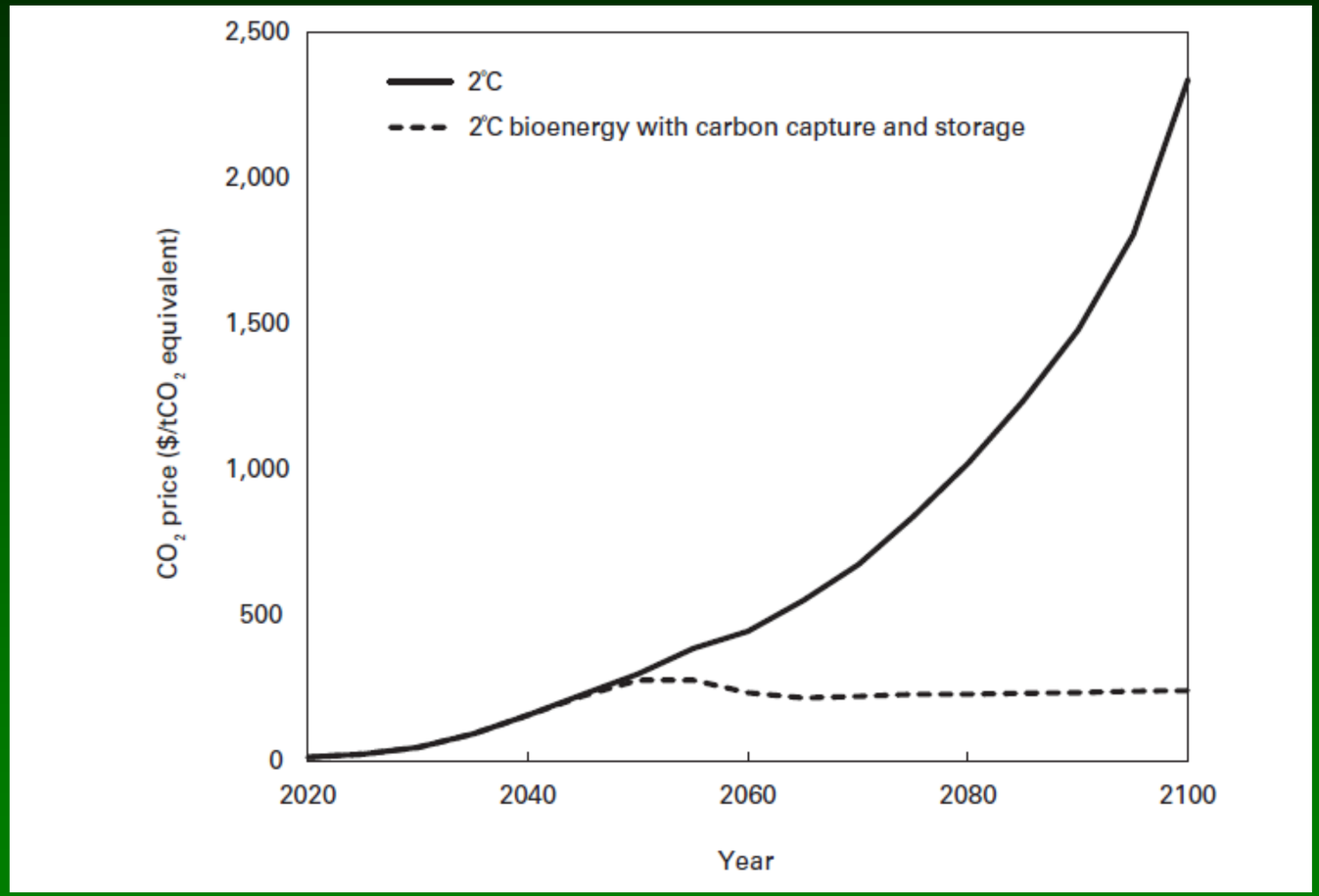
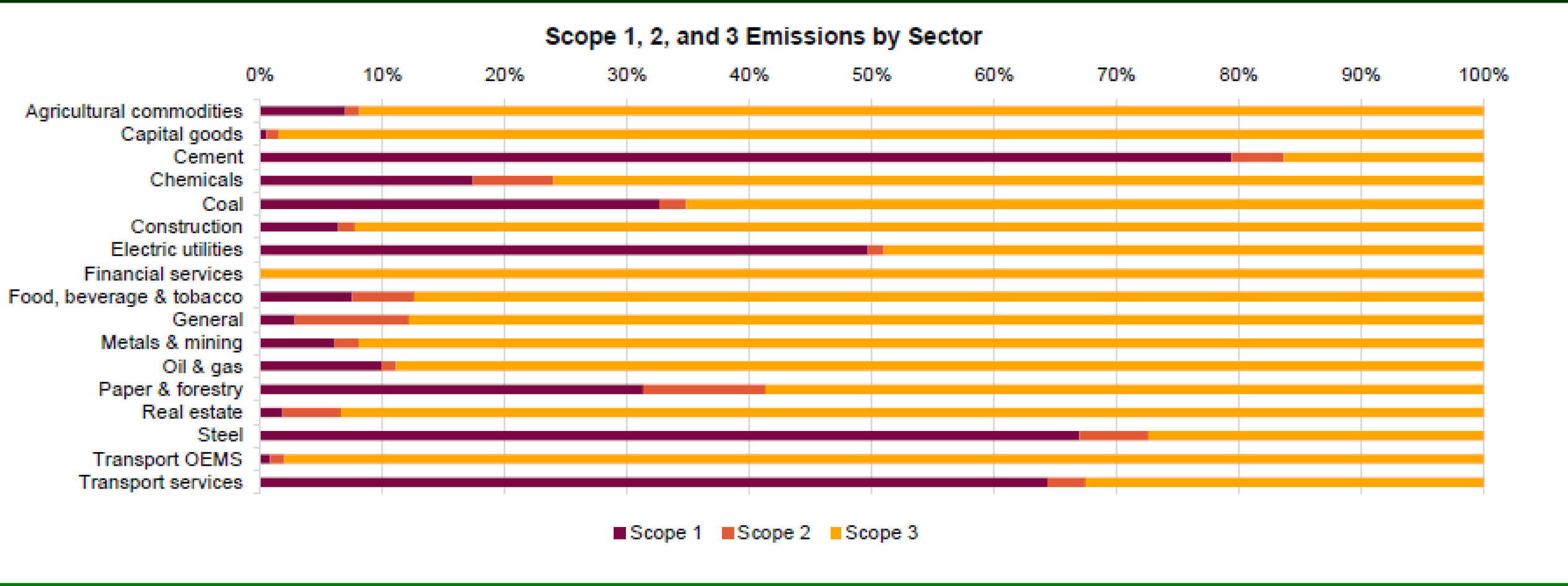


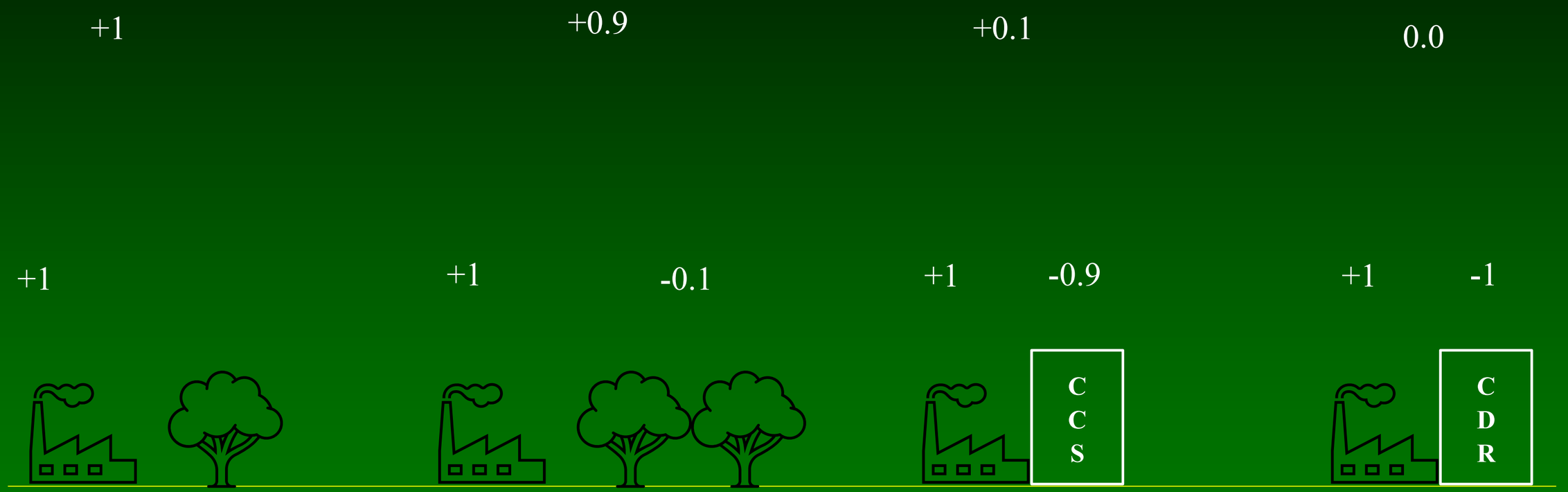
Figure 6, page 35

Role of CDR will vary by industry



Data from SBTi

Offsets are not removals



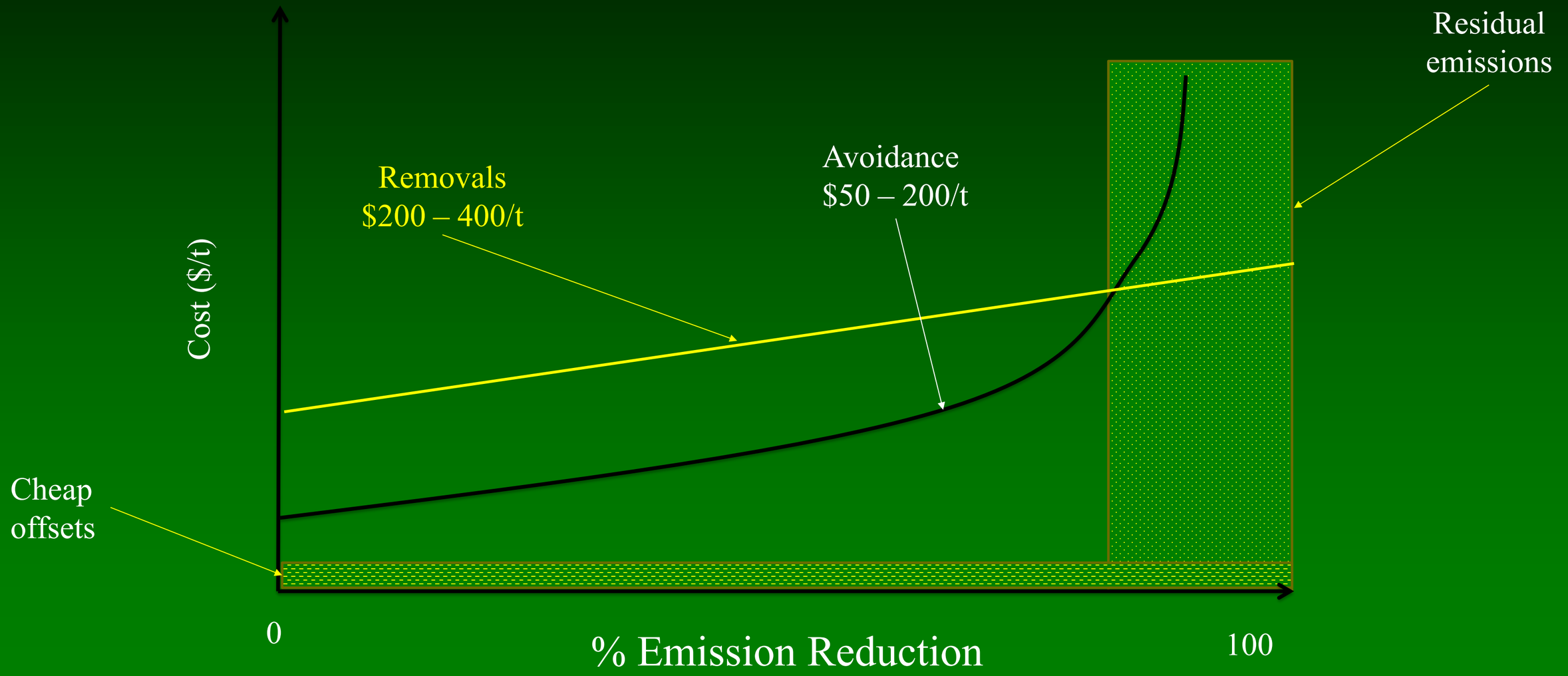
Conventional offsets, e.g., avoided deforestation
< $20/t

Temporary removal, e.g., afforestation
~ $20/t

Permanent avoidance,
~ $100 - 200/t

Permanent removal,
> $200/t

Removal is not mitigation deterrence



3 Frequently Asked Questions

- Is Carbon Removal a Moral Hazard or Dangerous Distraction? (page 36)
  - Not if it is used as a *complement* as opposed to a *substitute* for emissions reductions.
- Is Carbon Removal a Form of Geoengineering? (page 168)
  - Some pathways definitely are, some are definitely not, some are in a gray area.
- What is the best way to remove carbon dioxide from the atmosphere? (page 191)
  - Not to emit carbon dioxide to the atmosphere in the first place.

AFTERNOON NETWORKING BREAK – 30 MINS

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We will resume the program at 3:10 PM

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FROM AWARENESS TO ACCEPTANCE: BUILDING PUBLIC CONFIDENCE IN CARBON MANAGEMENT

Damian Doyle
Counsellor
Climate & Energy

Embassy of Australia {Moderator}

Matt Attwood
CEO and Founder

Aircapture

Simon Nicholson
Associate Professor of International Relations

American University

Jason Vanderheyden
VP Government Affairs & Public Policy

Deep Sky

William Ward
Policy Analyst

Natural Resources Canada

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REGIONAL PROSPERITY THROUGH LOW-CARBON INVESTMENT

Matt Bright
Senior Regional Manager Americas

Global CCS Institute {Moderator}

Tate Turner
Investment Advisor

Invest Alberta

Scott Castleman
Executive Vice President

LSG

Fred McLaughlin
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Center for Economic Geology Research

University of Wyoming

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LEVERS FOR AT-SCALE DEPLOYMENT OF CCUS

Jessica Raines
Senior Regional Manager Americas

Global CCS Institute {Moderator}

Paola Carvajal
Sales Director

Baker Hughes

Sarah Mihalecz
Senior Director Energy Transactions

CEBA

CLOSING REMARKS

Jarad Daniels

CEO

Global CCS Institute

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Scan the QR Code above and take a moment to share your feedback

Questions? Reach out to
Jessica.oglesby@globalccsinstitute.com

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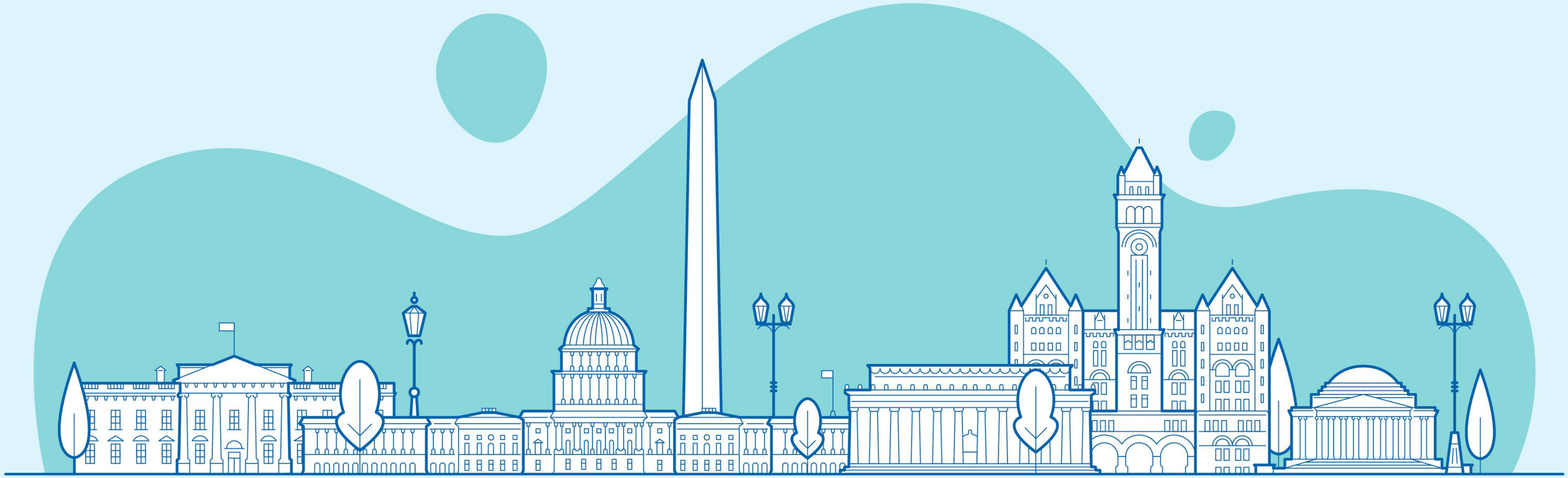

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