

## Moving Toward a Lower Carbon World

Vinyl360 Dr. Robert L. Zeller, VP Technology

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## **Occidental Overview**

- An international energy company with operations in the United States, Middle East, Africa and Latin America
- Largest onshore oil producer in the U.S., including in the Permian Basin, DJ Basin and a leading offshore producer in the Gulf of Mexico

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- Our midstream and marketing segment provides flow assurance and maximizes the value of our oil and gas
- Our chemical subsidiary OxyChem manufactures the building blocks for life-enhancing products, especially vinyls
- Our Oxy Low Carbon Ventures subsidiary is advancing leading-edge technologies and business solutions that economically grow our business while reducing emissions
- Committed to using our global leadership in carbon dioxide management to advance a lower-carbon world



# Leadership Commitment

Oxy's leadership is taking the issue of climate change seriously—taking action today to reduce emissions on a global scale.

The Oxy Low Carbon Ventures group is a core business segment, reporting directly to Oxy's executive leadership.



"We need to do our part as corporations. There are enough companies committed to making it happen. It needs to be a worldwide approach," says CEO Vicki Hollub

Executive Compensation is tied to achieving climate goals.



## Leading Carbon Management

#### 40+ Year Track Record in Safely Storing CO<sub>2</sub>

- Safely, reliably, and permanently stores injected CO<sub>2</sub>
- Has 10+ years of experience claiming tax credits (45Q) for transparent, safe and permanent storage of CO<sub>2</sub>
- Committed to being **the global leader** in permanent carbon storage and sequestration

# Verified Monitoring

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& Reporting Programs

- Oxy **developed the first** two Monitoring, Reporting & Verification (MRV) Plans to be approved by the US EPA
- Working with California Air Resources Board (CARB) to certify the CI reduction pathway and first Permanence Certification for EOR
- Internationally-recognized methodologies in development

### Significant Investment in a Low-Carbon Future

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- Established Oxy Low Carbon Ventures in 2018
- Numerous investments across all segments of CCUS value chain
- Aims to be the premier Carbon Management Company to support the world's climate ambitions
- Offering **Carbon Neutral/Negative Oil** as a by-product of permanent carbon sequestration

### Metric Tons of CO<sub>2</sub> Annually in the Permian

**20M** 

4,000 km

of CO<sub>2</sub> of CO<sub>2</sub> Pipelines

WORLD'S LARGEST CO2 MANAGER

### 20,000

700 MW of Compression

CO<sub>2</sub> Injection Wells

14

Gas Processing Plants

34

Active CO<sub>2</sub> Floods

in the Permian,

70+ in Queue

5,700 km<sup>2</sup>

of Land Operated

150B

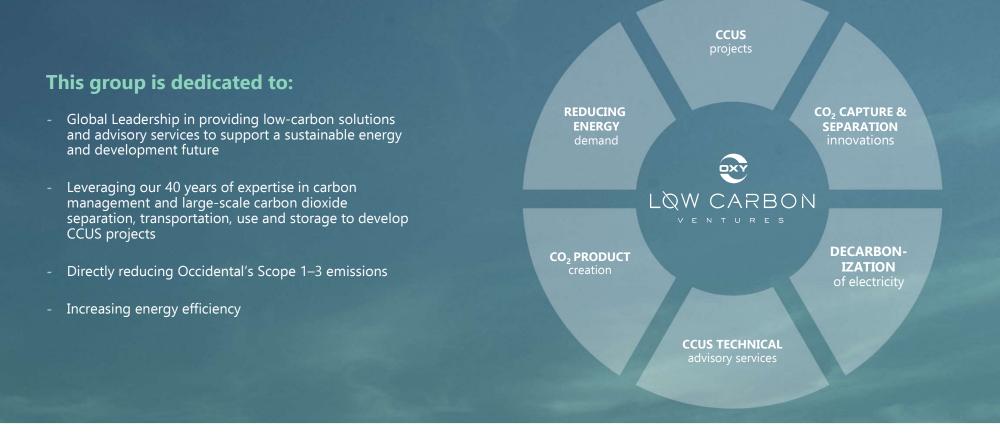
Metric Tons of Potential Storage Capacity, Additional 1 Trillion metric tons in Saline Formations





## **Oxy Low Carbon Ventures**

Oxy Low Carbon Ventures was formed to sustainably enhance Occidental's business, while providing impactful global emissions reduction solutions.



## **Business Actions Summary**



 $f_{1}$  The MUTT CO<sub>2</sub> Membrane Separation Pilot Unit PROJECTS

✓∎



🍈 White Energy

Colorado CCUS Project Svante

CO<sub>2</sub> Pipeline Infrastructure "Superhighway's"

Permian "Bolt-on" Capture Projects

Goldsmith Solar Project

LQW CARBON V E N T U R E S

Technical Advising and Consulting – EOR and Sequestration

Full Project CCUS Development and Execution

Turn-key Sequestration

Certified Sequestration Methodology and Pore Space Development

Peer Reviews

7





# **Creating a new industry, starting in the Permian**

**1PointFive** was formed through a partnership with OLCV and Rusheen Capital to develop, build and own Direct Air Capture (DAC) Plants

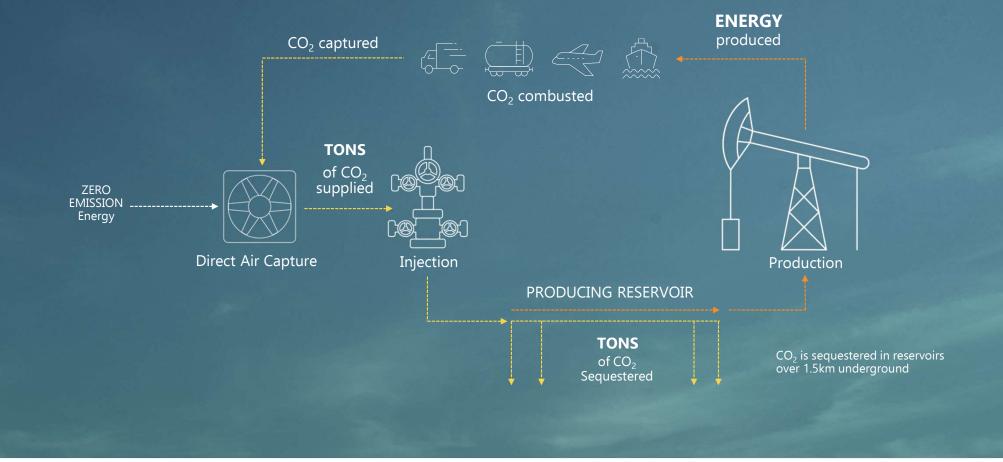
- Received license from Carbon Engineering for first commercial scale DAC plant in the U.S.
- Vision is to catalyze a new industry in Permian Basin by first building on Oxy's existing Oil & Gas infrastructure and certified pore space, and then pursue saline sequestration, all to meet the sustainability ambition of the world
- Also bringing a new differentiated product to market — Carbon Neutral Oil — a solution, at scale, for 'hard to decarbonize' industries

1PointFive.com



## **The Carbon-Neutral Energy Cycle**

Sequestering carbon. Creating carbon-neutral energy.





## **Develop and Deploy** a Finance Solution

Focus on Certified Carbon Management – Be Technology Agnostic – Let the Markets Work

03 **Platform/distribution partnership** Trading and transacting outside of registry

02 Market acceptance & development Become a trusted and recognized source for sequestered carbon

### **O1 Product creation**

A recognized ton of sequestered carbon requires:

- Proven methodology
- Verifiable, high quality MRV
- Participating in a trusted registry for recording creation (issuance), trade, and retirement

## **Technical Advisory Services**

Oxy Low Carbon Ventures provide advisory support or work as a completely outsourced carbon management resource, offering a suite of services that range from rapid assessment to full project engineering.

### **Project Consulting**

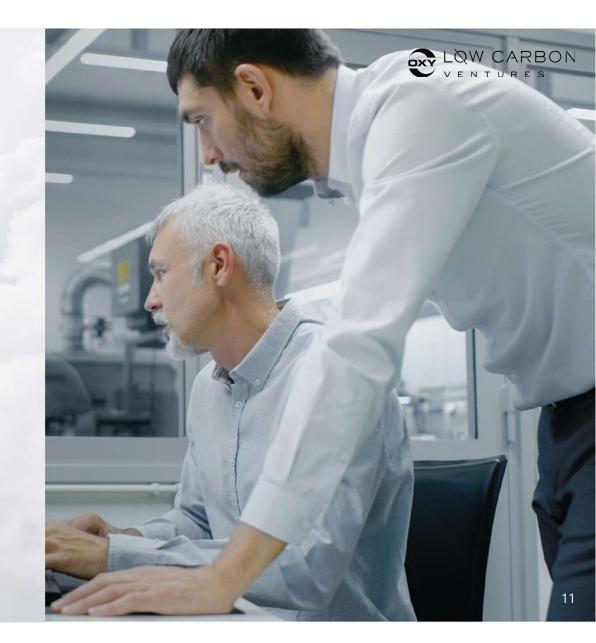
- Determine Carbon Capture Feasibility
- Independent Peer Reviews
- Financial Model Development
- Carbon Management Strategy Development

### Engineering

- Capture Plant Design & Engineering
- Sequestration Well Engineering
- Sequestration Well-Site Selection
- Seismic Analysis & Reservoir Modeling

### **Project Development**

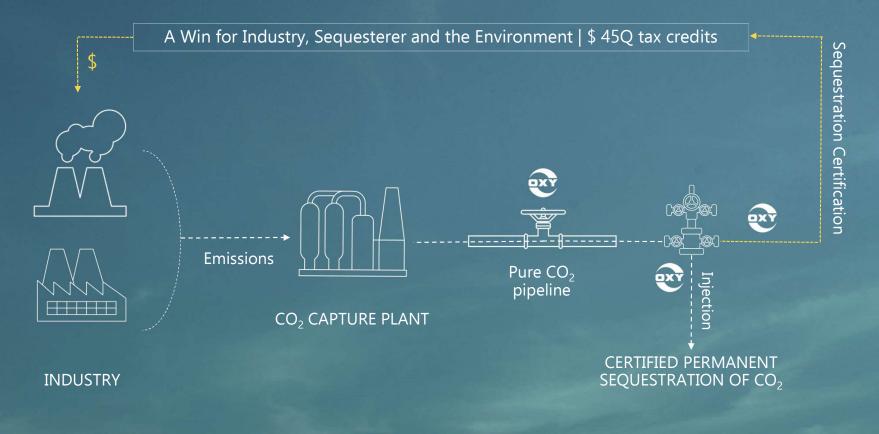
- Comprehensive Project Execution for Capture Facilities and Sequestration Well Development
- Options for Turn-key Solutions available





# **Capture Project Model**

### **Technical Advisory Services**





"The past cannot be changed. The future is yet in our power."

Learn more at www.oxylowcarbon.com

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