

The ExxonMobil logo is positioned in the top right corner of the image. It features the word "Exxon" in a red, sans-serif font with a stylized "X" that has a gap in the middle, and the word "Mobil" in a black, sans-serif font to its right. The background of the entire image is a photograph of an industrial facility, likely a refinery or chemical plant, with large metal structures and pipes under a clear blue sky. The sun is visible in the upper right, creating a lens flare effect. In the lower right, a person wearing a white hard hat and dark clothing is walking across the foreground, silhouetted against the bright sky.

**ExxonMobil**

Energy lives here™

# LOW CARBON SOLUTIONS

Lead the industry in innovations that advance modern living and a net-zero future

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ExxonMobil Technology and Engineering Company

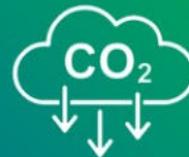
# OUR CLIMATE CHANGE RISK MANAGEMENT STRATEGY



Reducing emissions in our operations through avoidance and improving energy efficiencies



Providing products to help our customers reduce their emissions



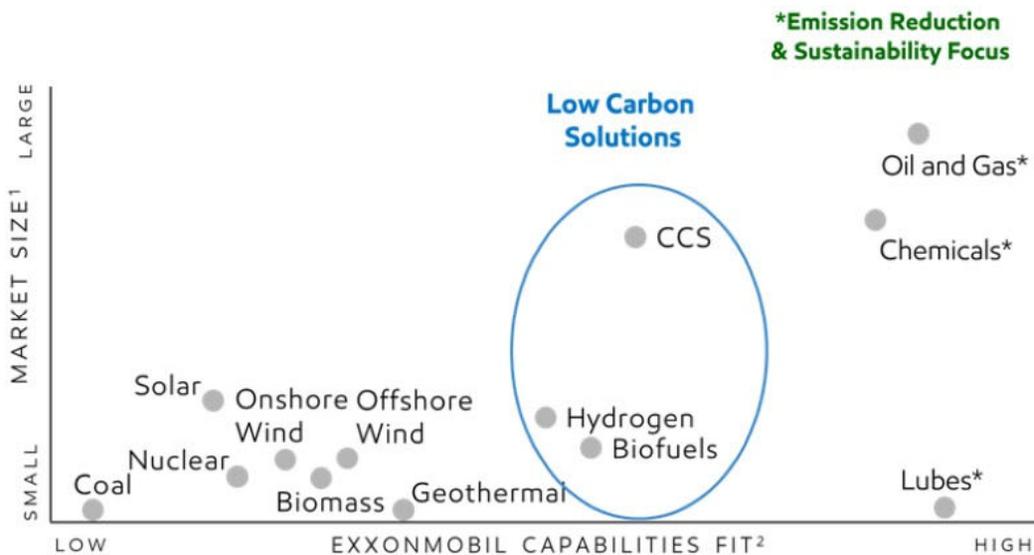
Developing and deploying scalable technologies to help decarbonize highest-emitting sectors



Proactively engaging on climate-related policy

# Leverage our strengths to lead energy transition

Innovative solutions and supportive policies are needed to reach a Lower 2°C pathway



- **We aim to achieve net-zero Scope 1 and 2 GHG emissions in our operated assets by 2050**

- Energy efficiency
- Electrification/Renewable power purchase agreements
- New technology development (CCS, Hydrogen, Biofuels)

- **Our 2030 GHG emission-reduction plans**

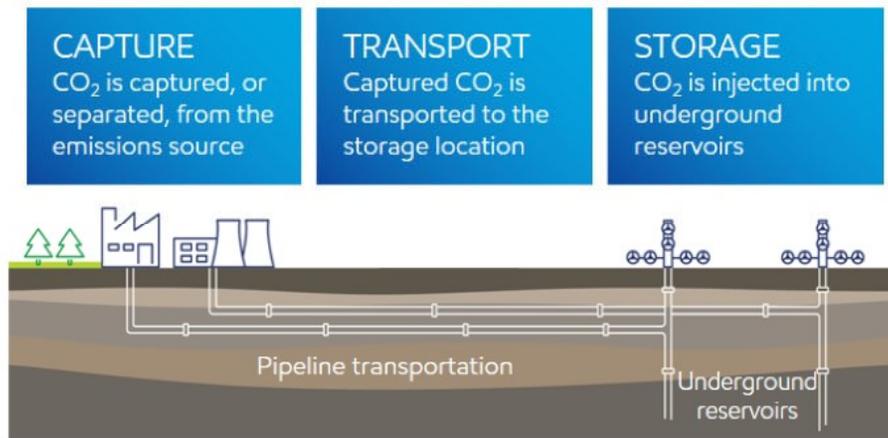
- 20 – 30% reduction in corporate-wide GHG intensity<sup>1</sup>
- 60 – 70% reduction in corporate-wide flaring intensity<sup>1</sup>
- 70 – 80% reduction in corporate-wide methane intensity<sup>1</sup>

Chart source: ExxonMobil analysis of IPCC SR 1.5 scenario explorer data; and McKinsey & Company report, "The big choices for oil and gas in navigating the energy transition;" March 10, 2021. See 2022 Investor Day supplemental Information for footnotes and definitions.

1. Versus 2016 levels. Applies to Scope 1 and 2 GHG emissions from operated assets  
ExxonMobil's Advancing Climate Solutions Progress Report 2023

# Positioned to succeed in carbon capture and storage

Leveraging position as the global CCS leader to advance projects with potential to materially reduce industrial emissions



- Significant operating experience at scale
  - #1 in the world for CO<sub>2</sub> capture; ~9Mta Capture Capacity
  - #2 in the world for CO<sub>2</sub> pipelines
  - #2 in the world for CO<sub>2</sub> geologic storage
- Opportunity portfolio focused on hard-to-decarbonize industries and regions

CCS POTENTIAL \$4 TRILLION  
MARKET SIZE BY 2050

# U.S. Gulf Coast CCS

## Scope

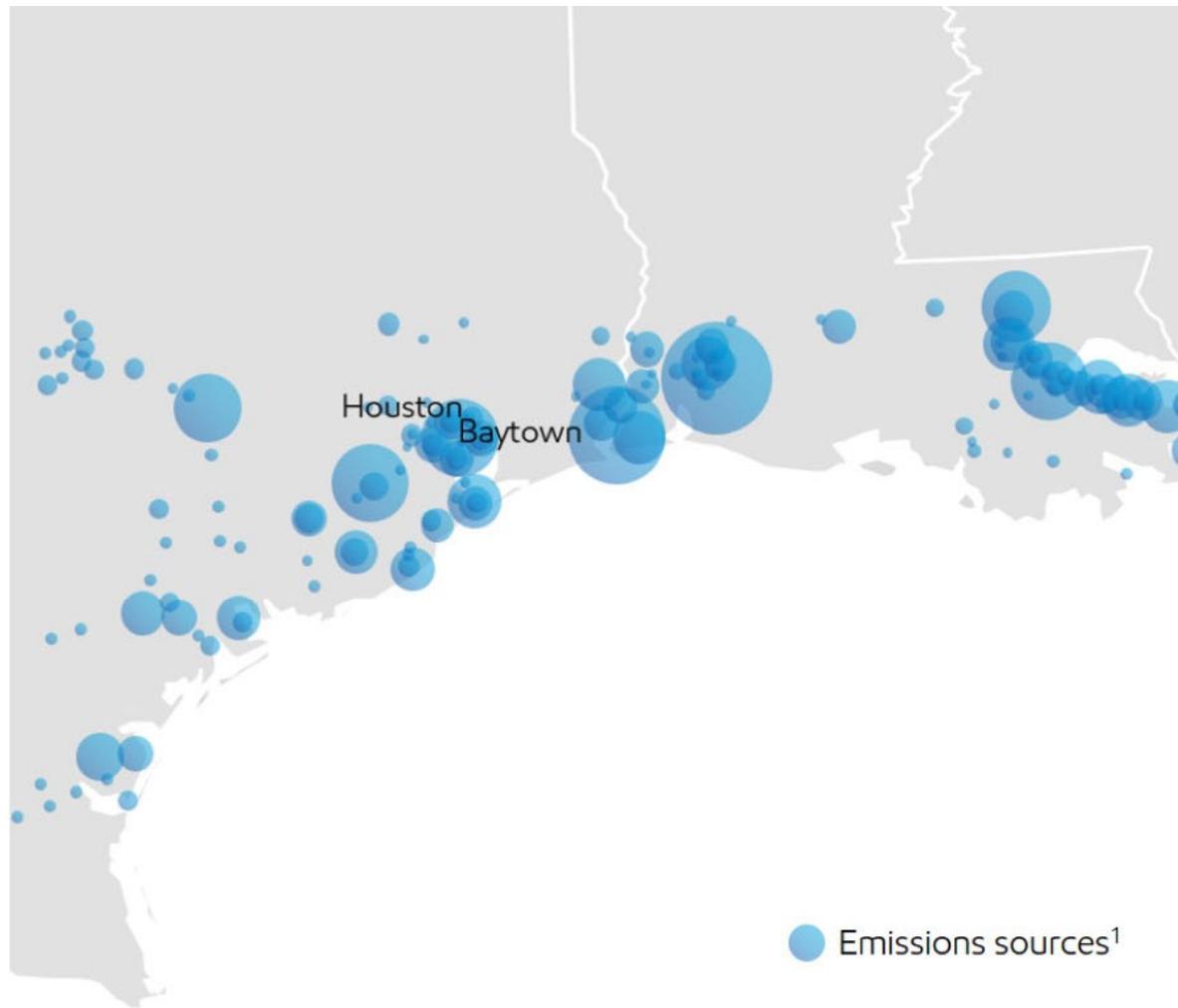
- Multiple CCS projects with initial focus on high CO<sub>2</sub> concentration industrial sources

## Drivers

- Close proximity to quality storage locations
- Leveraging existing subsurface, integration and major project execution capabilities
- Demonstrate potential for large-scale reduction

## First commercial contract

- 2 MTA of carbon capture with CF Industries and EnLink
- Pecan Island announced as CCS location



1. Chart source: ExxonMobil analysis of EPA Facility Level Information on Greenhouse Gases Tool, 2019 data as of Feb 15, 2022. See Supplemental Information for footnotes.

# ExxonMobil Advancing CCS in Asia

## Malaysia

- MoU with Petronas to explore potential CCS projects

## Indonesia

- HoA for CCS hub in offshore Java, Geologic storage potential is up to 3 Gt of CO<sub>2</sub>

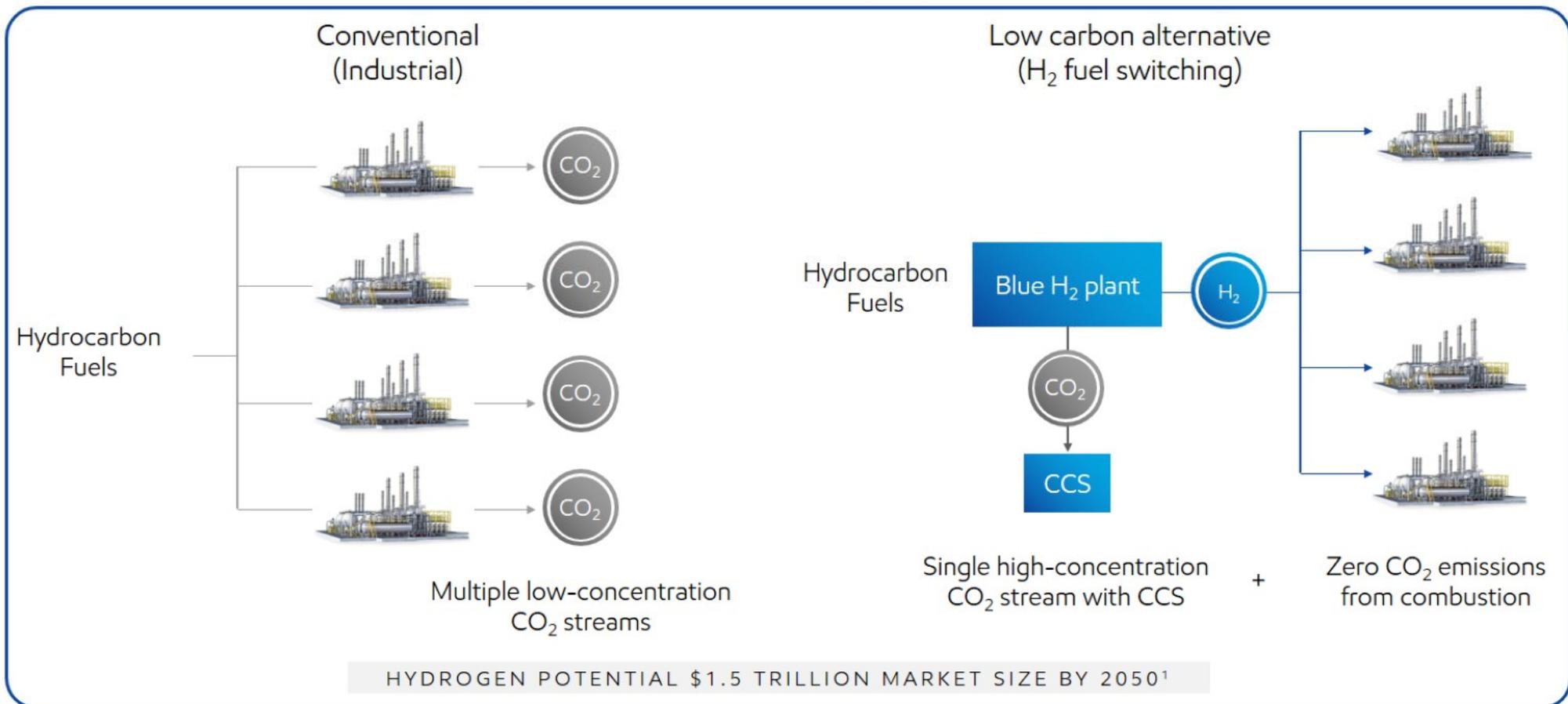
## Singapore

- Assessing the potential for CCS hub
- Low-carbon technologies research at Energy Center



# Growing market for hydrogen fuel switching

Lower cost of abatement for single high-concentration CO<sub>2</sub> emissions stream versus multiple low-concentration streams



# Baytown blue hydrogen

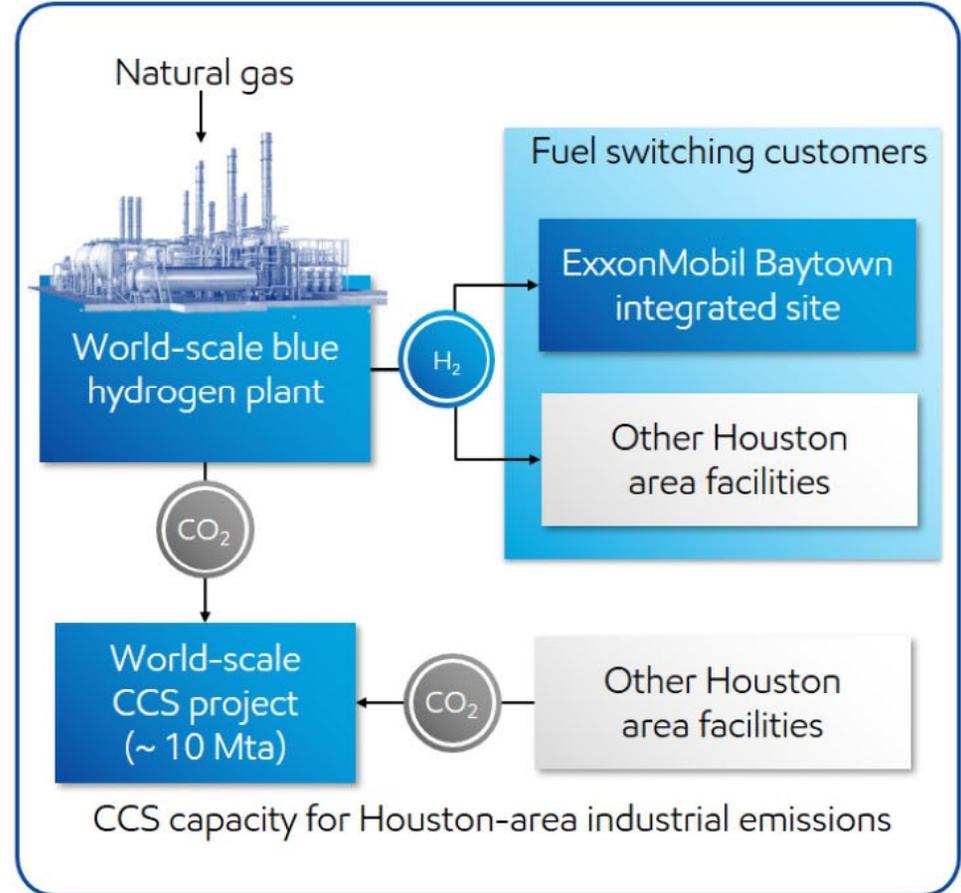
Provides emission-reduction opportunities and forms initial contribution to Houston CCS Hub

## Scope

- New blue hydrogen plant
- World-scale CCS project

## Drivers

- Reduce ExxonMobil Baytown site emissions by up to 30%
- Build merchant hydrogen business and CO<sub>2</sub> transport & storage business
- Accessible low-cost natural gas
- Close proximity to quality underground storage
- Leverages existing refinery and chemical integration, proprietary technology, subsurface, and major project execution capabilities



An aerial night view of a city grid, likely Los Angeles, showing a dense network of streets and buildings illuminated by city lights. The sky is a deep blue with some clouds. The text 'Thank you' is overlaid on the left side, and the ExxonMobil logo and slogan are in the top right corner.

**ExxonMobil**  
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**Thank you**