

June 24, 2023

Traditional Energy and Transition Challenges at the Port of Corpus Christi

2023 Federal Energy and Environmental Matters Conference

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Presented by



PORTCORPUSCHRISTI®

Who We Are

The Energy Port of the Americas

- Independent political subdivision of the State of Texas
- Large industrial energy hub and gateway to global markets
- A landowner, a land developer and a landlord
- Governed by seven commissioners appointed by City of Corpus Christi, Nueces County and San Patricio County

The Energy Port of the Americas

By the Numbers

#1 
U.S. Crude Oil Export Gateway


#1 
U.S. Port by Annual Revenue Tonnage

Economic Impact

\$400M
Per day goods
value movement

\$65B
In private
investment

#2 
U.S. Port in LNG Exports
Estimated 808 Bcf in 2022

7,736 
Vessels moved in 2022

\$6B
For Corpus
Christi

\$40B
For Texas

 **30,000+**
Acres of land managed

98,000 
Port-related Jobs in the Coastal Bend
Accounts for more than 38% of the area's labor force

\$400B
For U.S.

Sources:
U.S. Census Bureau
Dr. Jim Lee, TAMUCC
Port of Corpus Christi

\$65 Billion Capital Investments

(\$12 Billion Foreign Direct Investments)



Our Accomplishments

The Energy Port of the Americas

20X

Increase in
Crude Exports

since federal ban lifted in
late 2015

17.5M

Tons moved in
March 2023

New monthly
tonnage record

187.9M

Tons of Goods
Exported

in 2022
(New annual record)

49.6M

Tons moved in
Q1 2023

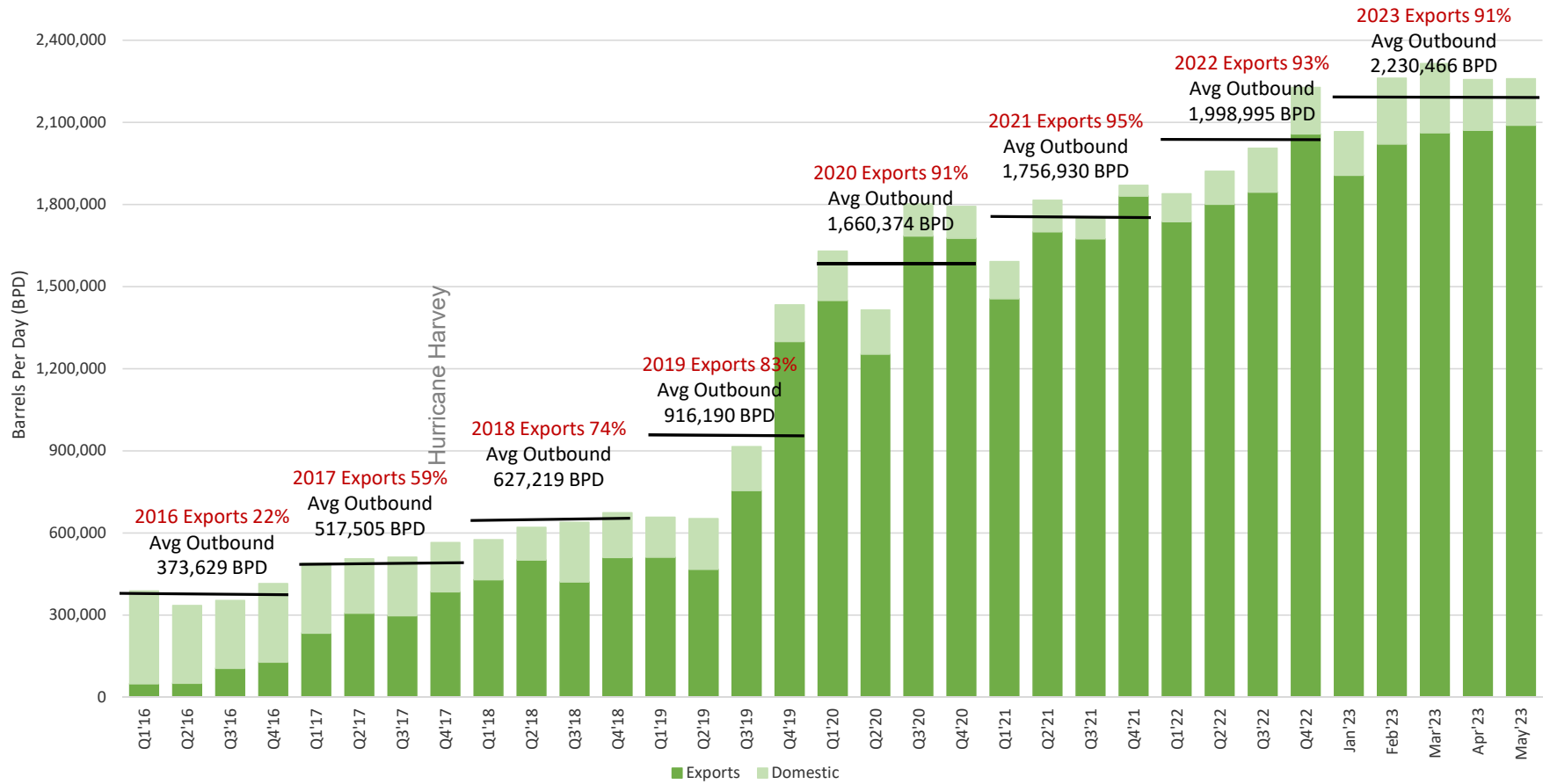
New quarterly
tonnage record

2.31M

Barrels of crude oil per
day in **December 2022**

New monthly record


PCC Crude Oil Outbound/Exports 2016-2023 YTD (Barrels Per Day-BPD)



Keys to Our Success



Air Quality Compliance
Attainment status for federal ozone standards



Carbon Management Solutions
Developing scalable, centralized onshore and offshore geologic storage



Energy Supply
Traditional plus renewable including 8 GW wind within 50 miles



Land Development
1,000s of consolidated acres available for Hydrogen value-chain projects



Deep Draft Port
Deepest (-54 MLLW) draft and most improved ship channel on the Gulf Coast



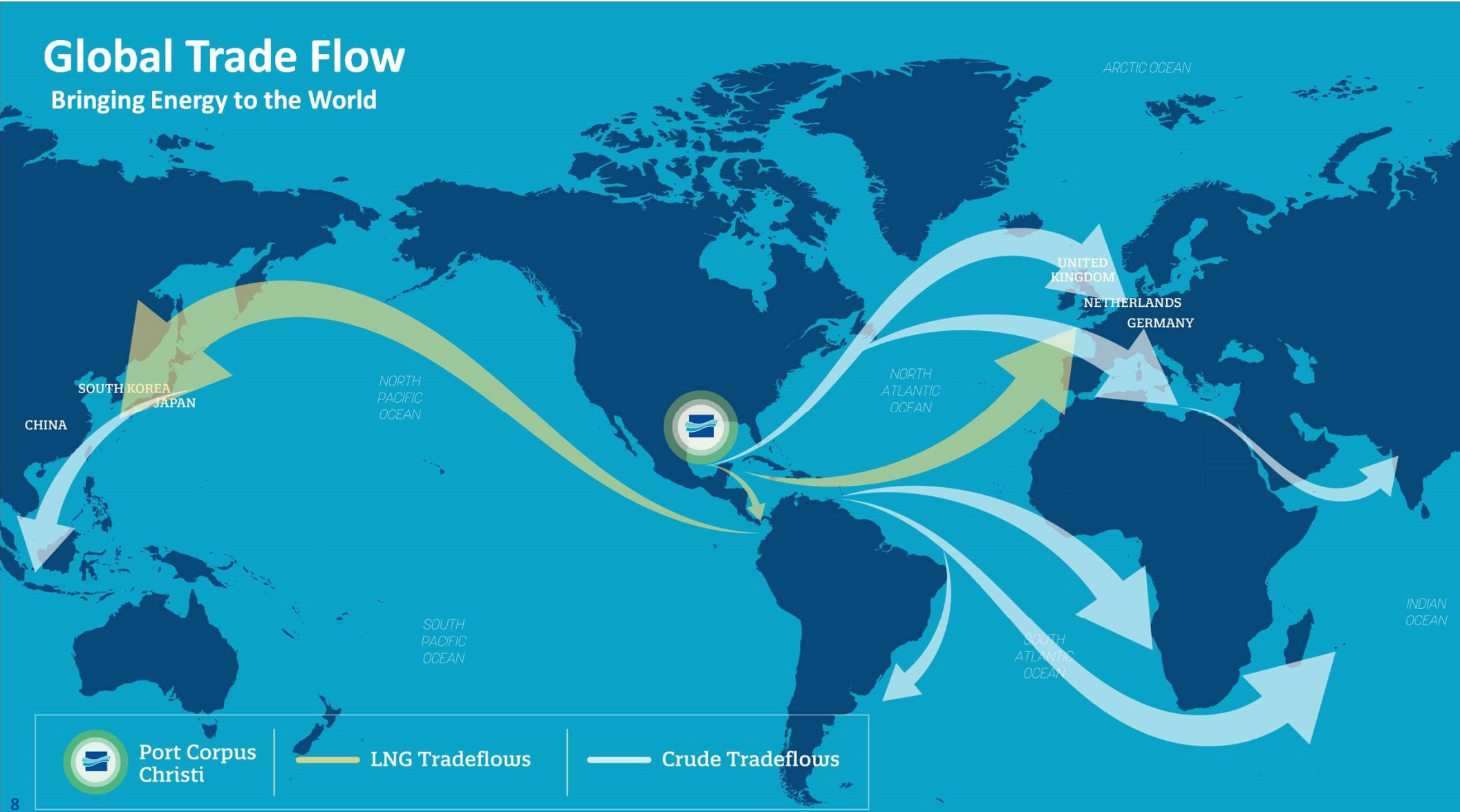
Skilled Workforce
Over 100K skilled workers currently employed in the energy sector


Corpus Christi

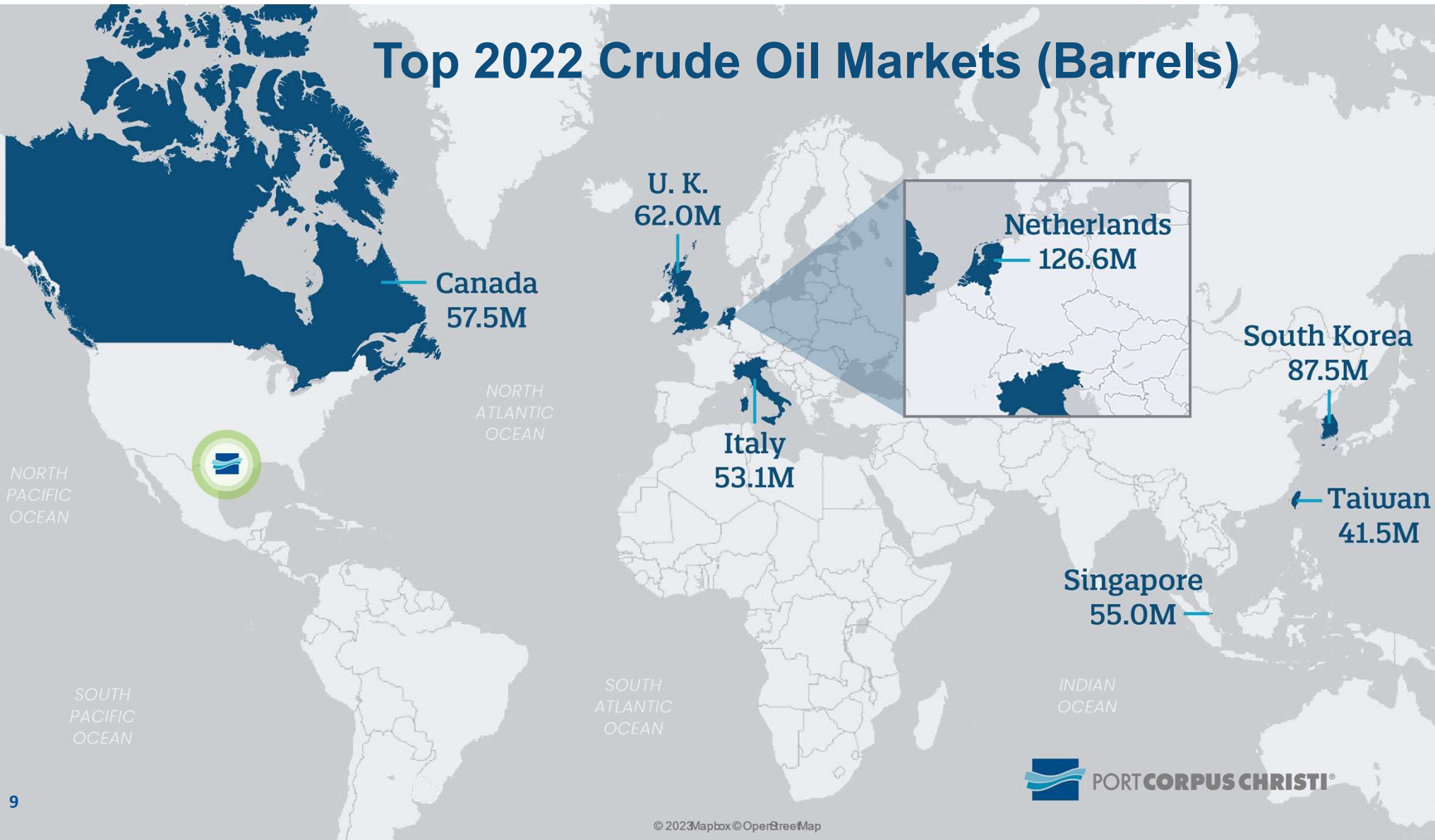


Global Trade Flow

Bringing Energy to the World



Top 2022 Crude Oil Markets (Barrels)



#1 Priority – The Channel Improvement Project

Main Channel and Barge Lane Elements

Project Cost

Current Authorized Costs

\$681.61M

\$406.34M Federal

\$275.27M PCCA

**Based on WRDA 2020 Reauthorization*

Project Close Out Amount

Consolidated Appropriations
Act of 2023

\$157.3M

Corpus Christi Ship Channel Improvement Project Schedule

Contract 4

(Chemical TB to Viola TB)

- **Anticipated Award**
Q3 2023
- **Anticipated Completion**
Q4 2024

Contract 1

(Gulf of Mexico to Harbor Island)

- **Awarded**
December 2018
- **Completed**
February 2020

Contract 3

(West of LQ Junction to Chemical TB)

- **Awarded**
September 10, 2021
- **Anticipated Completion**
August 2023

Contract 2

(Harbor Island to West of LQ Junction)

- **Awarded**
April 2020
- **Anticipated**
Completion mid 2023

6 Environmental Precepts

Environmental Planning and Compliance



Air Quality

Reduce emissions by 15% in PM, VOCs, NOx, SOx every 3 years



Climate Action

Reduce GHG emissions per cargo ton by 7.5% annually



Water Quality

Reduce AL, Fe, Zn, Pb, TSS by 10% annually



Climate Adaptation

Implement Life Cycle Assessment tool on Port capital projects



Habitat Restoration

Create/restore 50 acres of habitat every 3 Years



Soils & Sediments

Remediate spills to residential standard

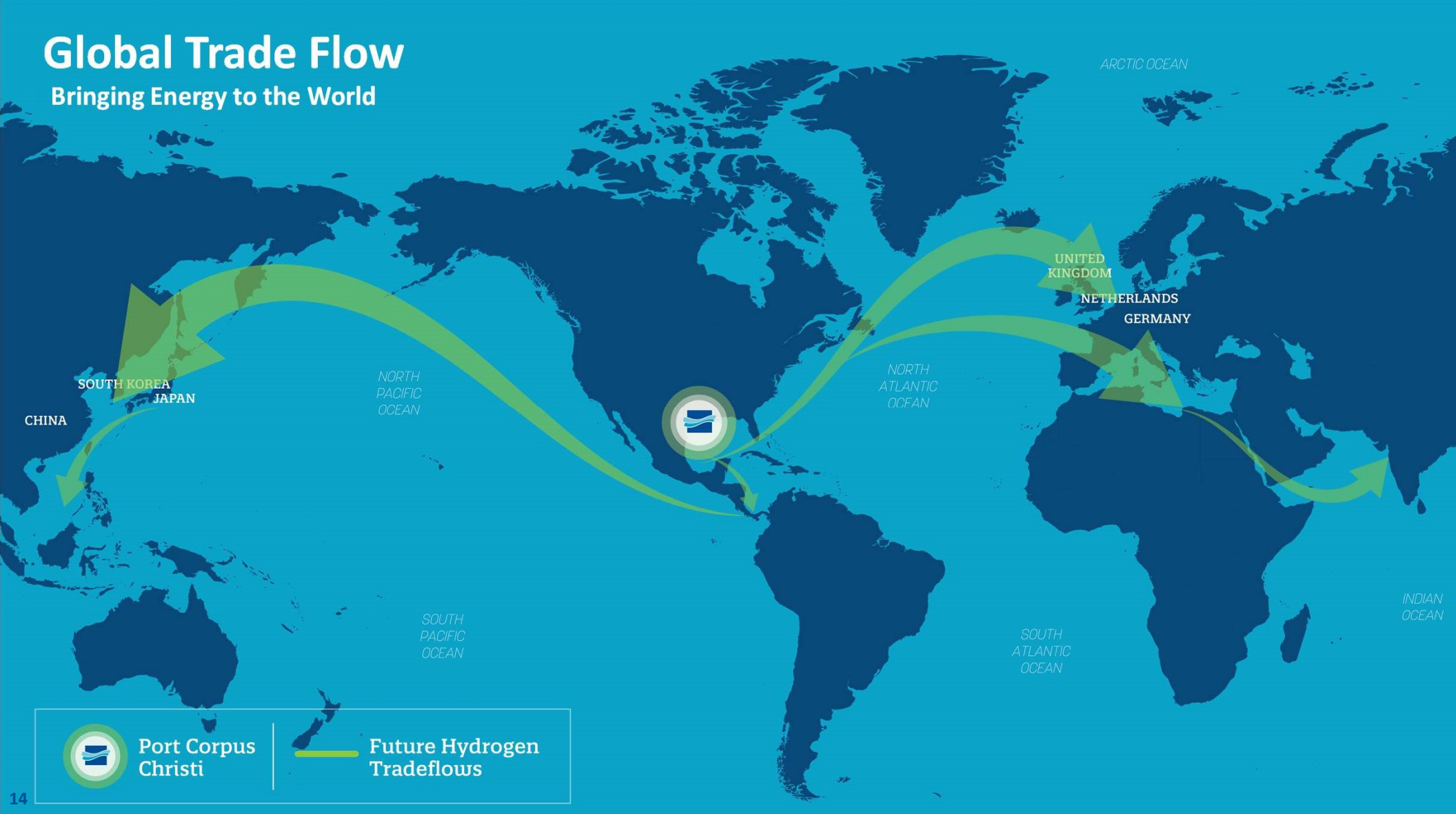
Horizons Clean Hydrogen Hub



- Existing operations around Port of Corpus Christi already use H₂ as part of refining process
- Other industries may transition to H₂ as low carbon alternative to natural gas
- Horizons Clean Hydrogen Hub projects will use and add to 110 miles of existing H₂ pipelines
- Partners include longstanding Port customers, along with well-capitalized and Port-vetted startups

Global Trade Flow

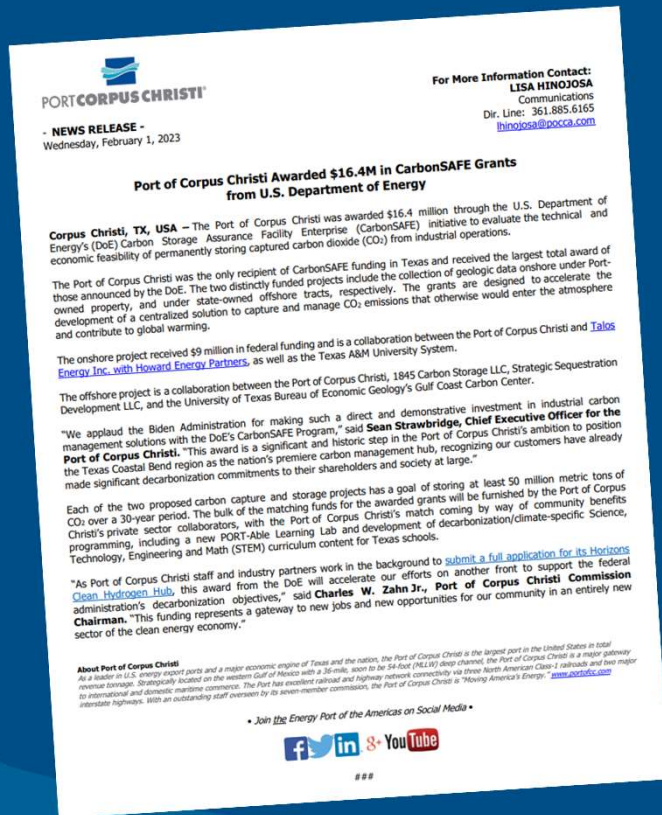
Bringing Energy to the World



Port Corpus Christi

Future Hydrogen Tradeflows

Port of Corpus Christi CCS Projects Awarded Federal Funds



- Port of Corpus Christi awarded \$16.4M through U.S. Department of Energy's Carbon Storage Assurance Facility Enterprise (CarbonSAFE) initiative
- Funds will help evaluate technical and economic feasibility of storing captured CO₂ from industrial operations
- \$9M for onshore project (Talos Energy with Howard Energy)
- \$5.4M for offshore project (Port, 1845 Carbon Storage LLC & Strategic Sequestration Development LLC & University of Texas Bureau of Economic Geology's Gulf Coast Carbon Center)

The Port of Corpus Christi's Role in CCUS

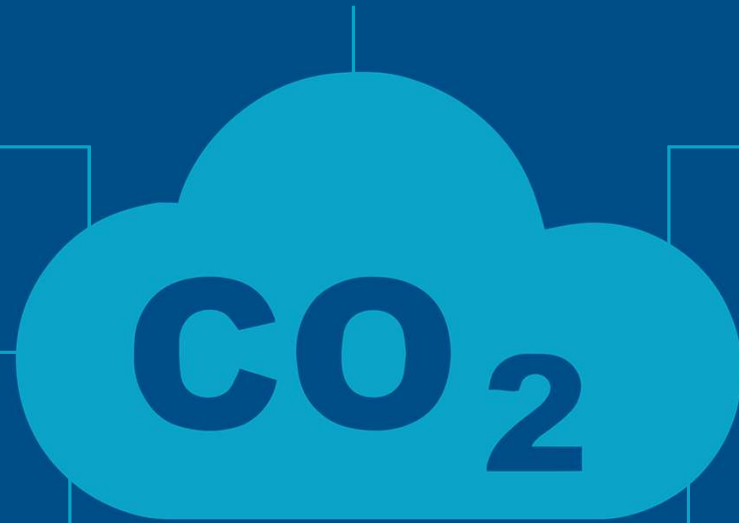
Advocate for appropriate state and federal policy

Send clear signal to marketplace that centralized CCUS solution is coming

Identify/vet/permit route alternatives for CO₂ delivery infrastructure

Cultivate CCU opportunities (new projects, Port customers)

Lease Port-owned pore space for CO₂ injection and storage



Facilitate logistical/commercial connections between emitters & CCS service providers

Deploy Port capital to fund key infrastructure elements
Pursue/leverage federal capital

Thank You



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