

Louisiana Clean Hydrogen Task Force

February 11, 2025

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Chief Strategy & Sustainability Officer

Port Corpus Christi :: Primary Functions

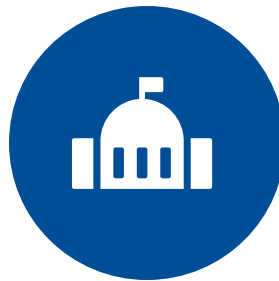
- Non-Federal Sponsor of Corpus Christi Ship Channel
- Developer of Maritime Infrastructure
- Land Aggregator and Landlord



Independent political
subdivision of
State of Texas



Large energy
hub and gateway to
global markets



Governed by seven
commissioners appointed
by City of Corpus Christi,
Nueces County and San
Patricio County

Six 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



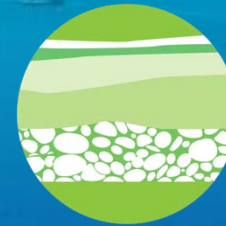
Climate Adaptation

Implement Life Cycle Assessment tool on Port capital projects



Habitat Creation

Create/restore 50 acres of habitat every 3 years



Soils & Sediments

Remediate spills to residential standard

The Energy Port of the Americas

By the Numbers

1 

U.S. Crude Oil Export Gateway

2 

U.S. Port in LNG Exports | Estimated 742.4 Bcf in 2023

3rd Largest 

Export Port for Crude Oil in the World

60,000+ 

Total railcars moved in 2024

7,100 

Vessels Moved in 2024

33,000 + 

Acres of Land Managed

\$65 Billion in Capital Investment since 2015


















(\$12 Billion Foreign
Direct Investments)



Cornerstone Assets

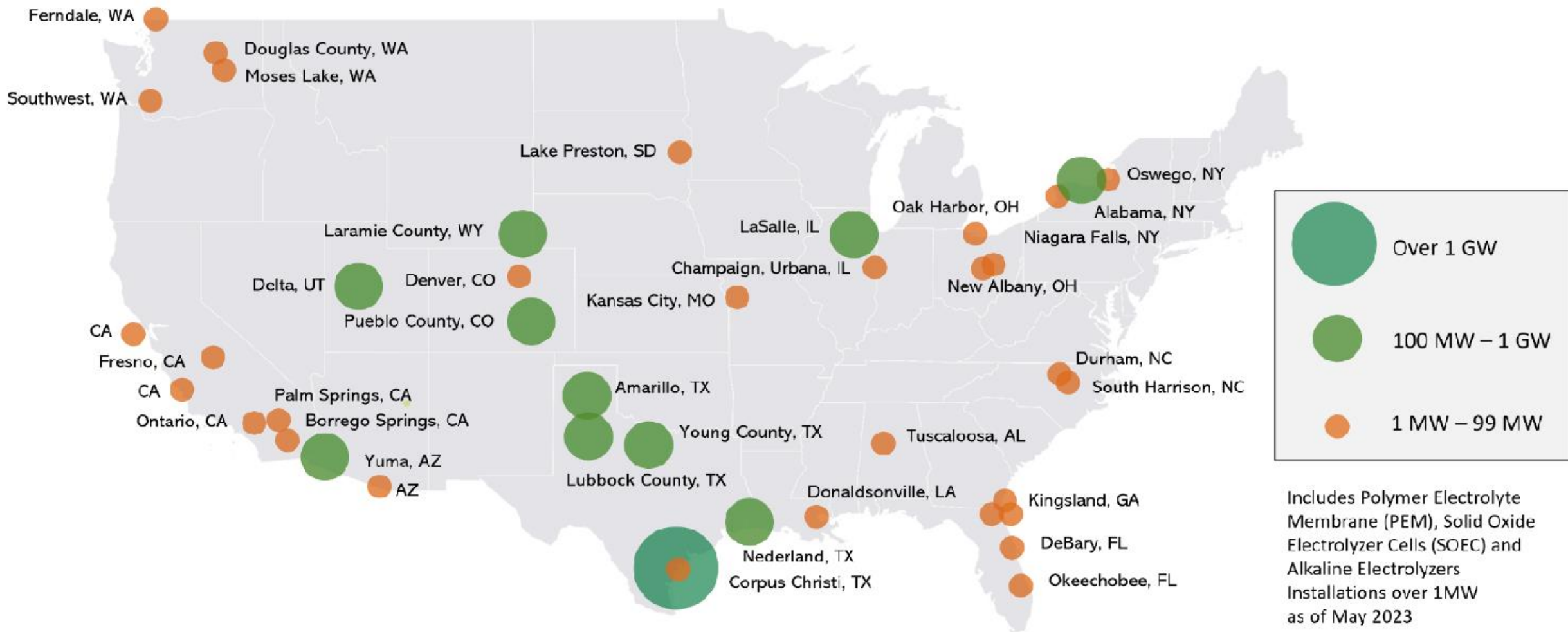




-  Counties with Subrecipient Projects
-  Counties with Affiliated Projects
-  Disadvantaged Communities*
-  Subrecipient
-  Affiliate
-  Proposed (out of scope) Barge Movement of H2 Co-products
-  Existing H2 Pipelines
-  Rail Line for Transport
-  Assimilated Trans Permian H2 Hub
-  Marine Terminal
-  Salt Dome
-  Electrolysis
-  Thermal Conversion
-  Power Generation
-  Ammonia
-  Transportation
-  Chemical/Industrial

*Per EPA Environmental Justice Screening/Mapping Tool

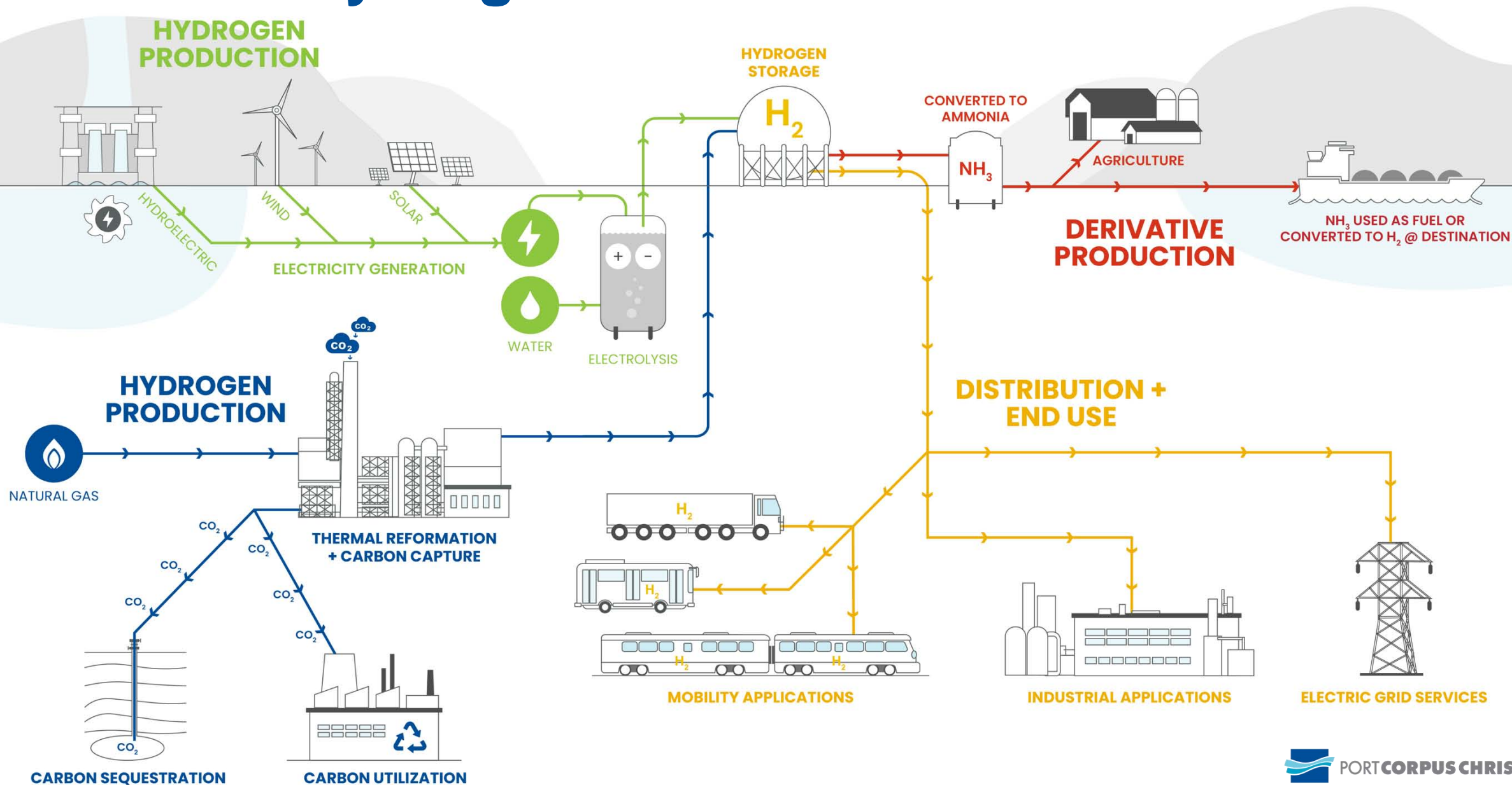
Draft concept for illustrative purposes only



Installed and planned PEM electrolyzer Capacity over 1MW as of May 2023

Source: U.S. Department of Energy - U.S. National Clean Hydrogen Strategy and Roadmap

Hydrogen Value Chain @ PCCA



Fully Integrated H2 Ecosystem



La Qunita



Proposed H₂ Pipeline
from Hinterland
Production Sites

Nueces Bay

Inner Harbor

NH₃ Synthesis +
Export Terminals

Inland Port

H₂ Gathering

Proposed H₂ Pipeline
from Inland Port

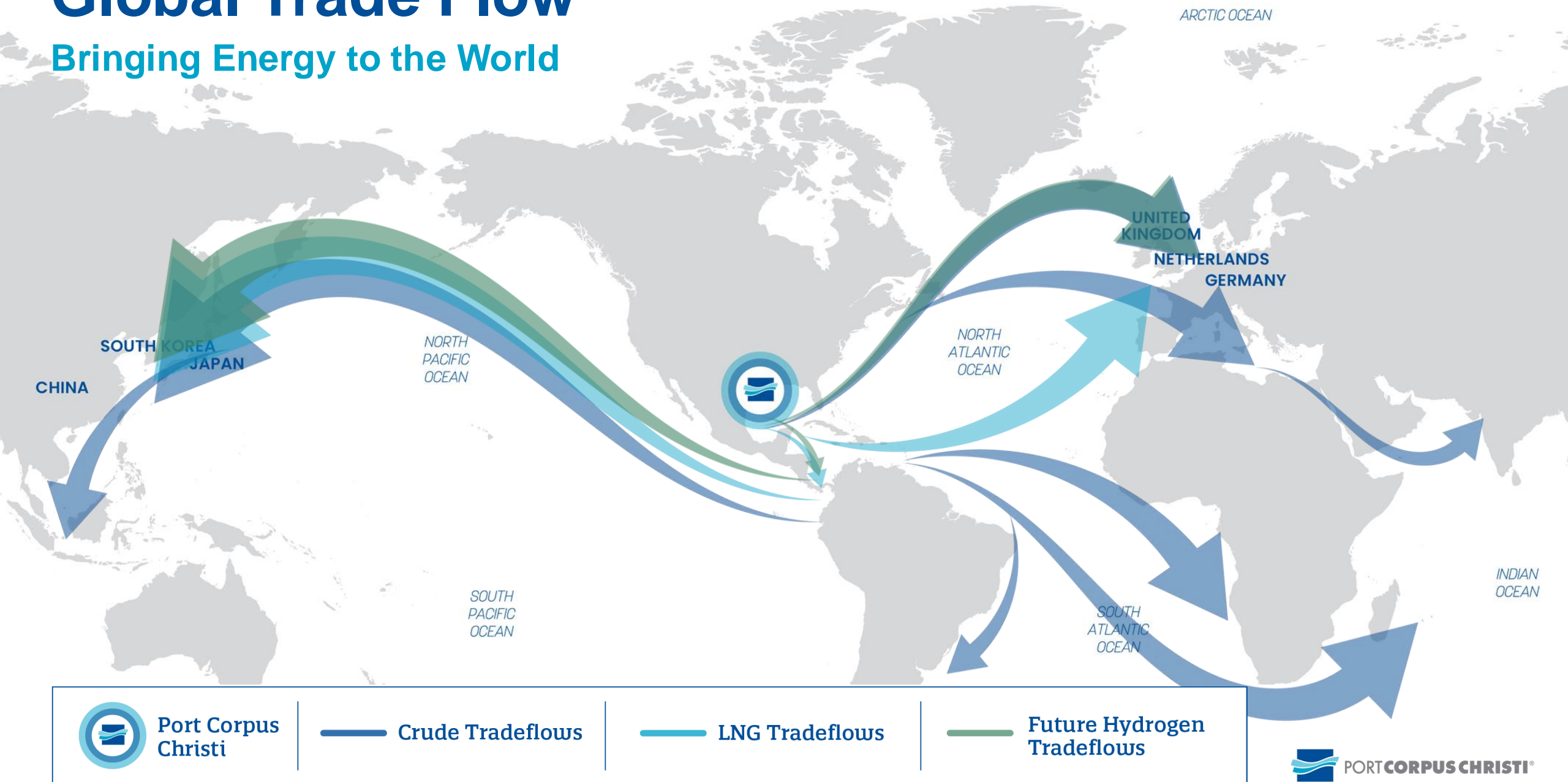
Corpus Christi Bay





Global Trade Flow

Bringing Energy to the World



Fully Integrated H2 Ecosystem



La Qunita



Proposed H₂ Pipeline
from Hinterland
Production Sites

45V!

Inner Harbor

Nueces Bay

NH₃ Synthesis +
Export Terminals


Inland Port

H₂ Gathering

Proposed H₂ Pipeline
from Inland Port

Corpus Christi Bay





HYDROGEN ENERGY DEVELOPMENT IN TEXAS

— * * * —
A Report for the 89th Texas Legislature
by the
Texas Hydrogen Production Policy Council

10 Findings + 10 Recommendations

- F1** – Regulatory oversight (and clarity) is critical
- F9** – Strategic/early investment in (centralized) infrastructure will accelerate market liftoff
- R1** – Uphold, with clarification, existing regulatory framework
- R2** – Regs/policy should address H2 infrastructure specifically (+ align with international standards)
- R3** – Cultivate hydrogen champions at relevant state agencies
- R4** – State should coordinate and sponsor education/outreach
- R5** – Streamline permitting (at every stage)
- R6/7** – Redouble investment in enabling value chains (natural gas, water resources, renewables, electric grid)
CCS
- R8** – Cultivate an “all of the above” approach to electricity

Thank You!
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