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Corpus Christi Ship Channel Improvement Project  
USACE Galveston District  
Winter 2018 Stakeholder Partnering Forum

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# The Energy Port of the Americas

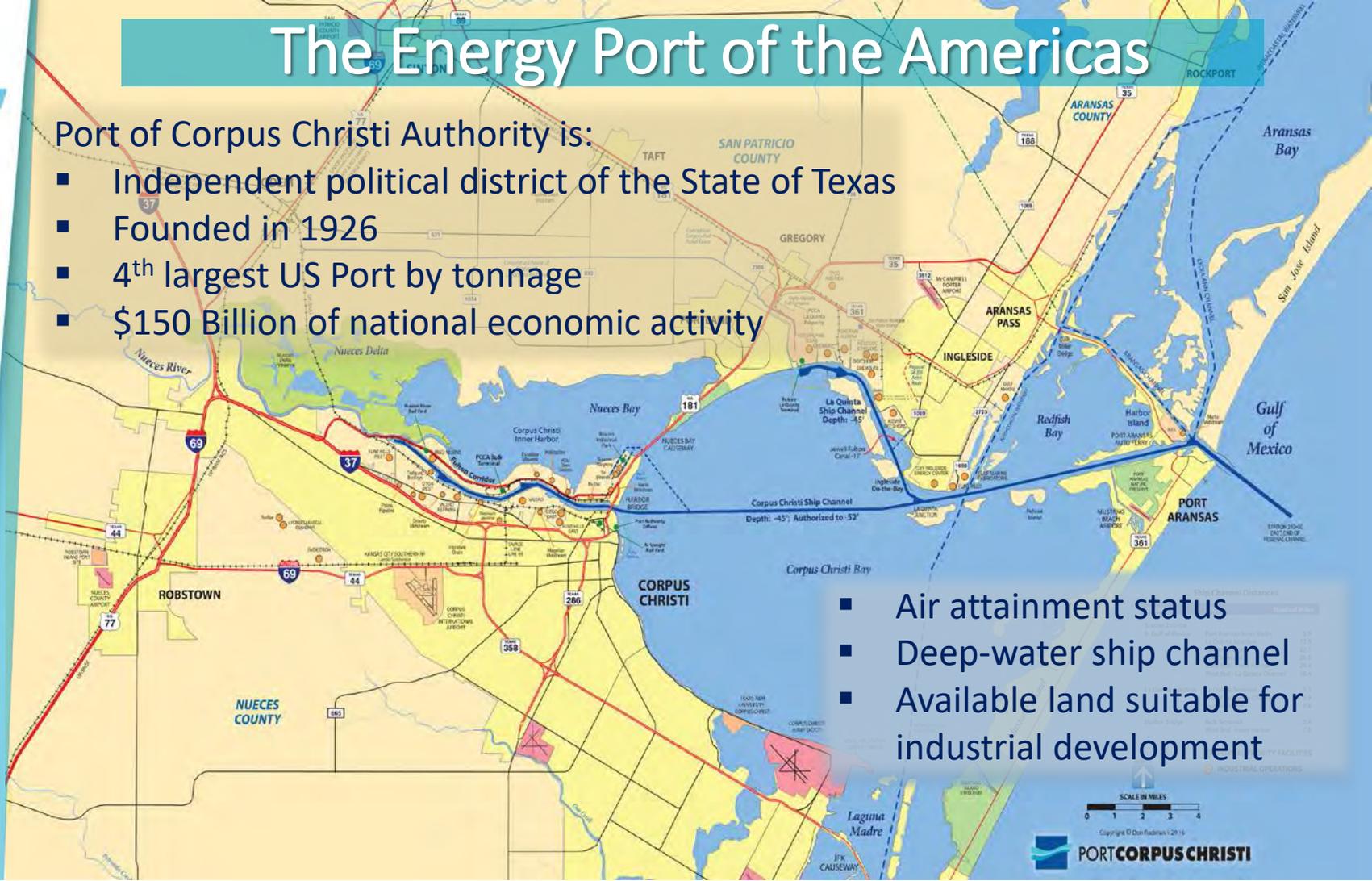
Port of Corpus Christi Authority is:

- Independent political district of the State of Texas
- Founded in 1926
- 4<sup>th</sup> largest US Port by tonnage
- \$150 Billion of national economic activity

- Air attainment status
- Deep-water ship channel
- Available land suitable for industrial development



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# \$50 Billion Regional Investment – \$10 Billion from Foreign Companies



GE  
Energy



# Texas/Northern Mexico Shale Formations



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# Energy Hub for US Crude Oil & Refined Petroleum Export



Ethane Crackers



Refinery Hub



LNG Export



Crude Oil Export



LPG Export



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# December 2015 - First U.S. Crude Oil Export in 40 Years



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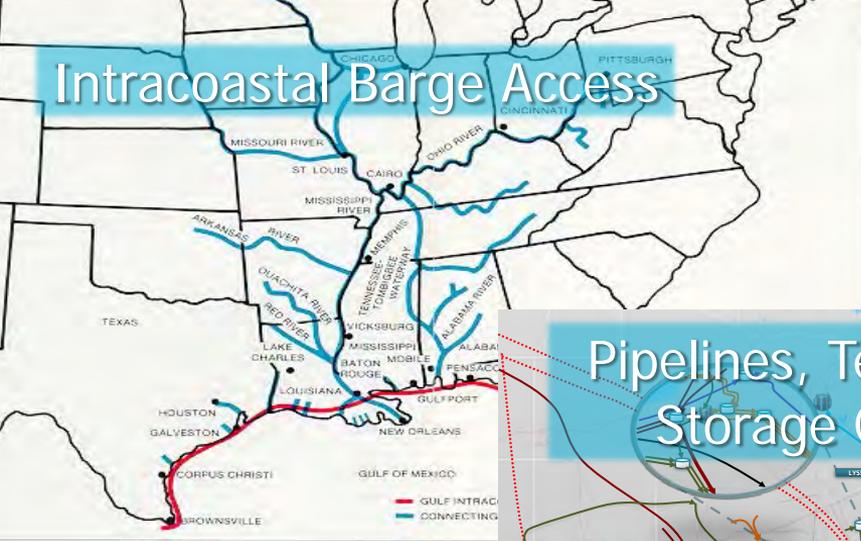
# PCC Major Shift in Crude & Condensate (BPD)



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# Intracoastal Barge Access



# 60 Miles of Rail Track



# Pipelines, Terminals, & Storage Capacity



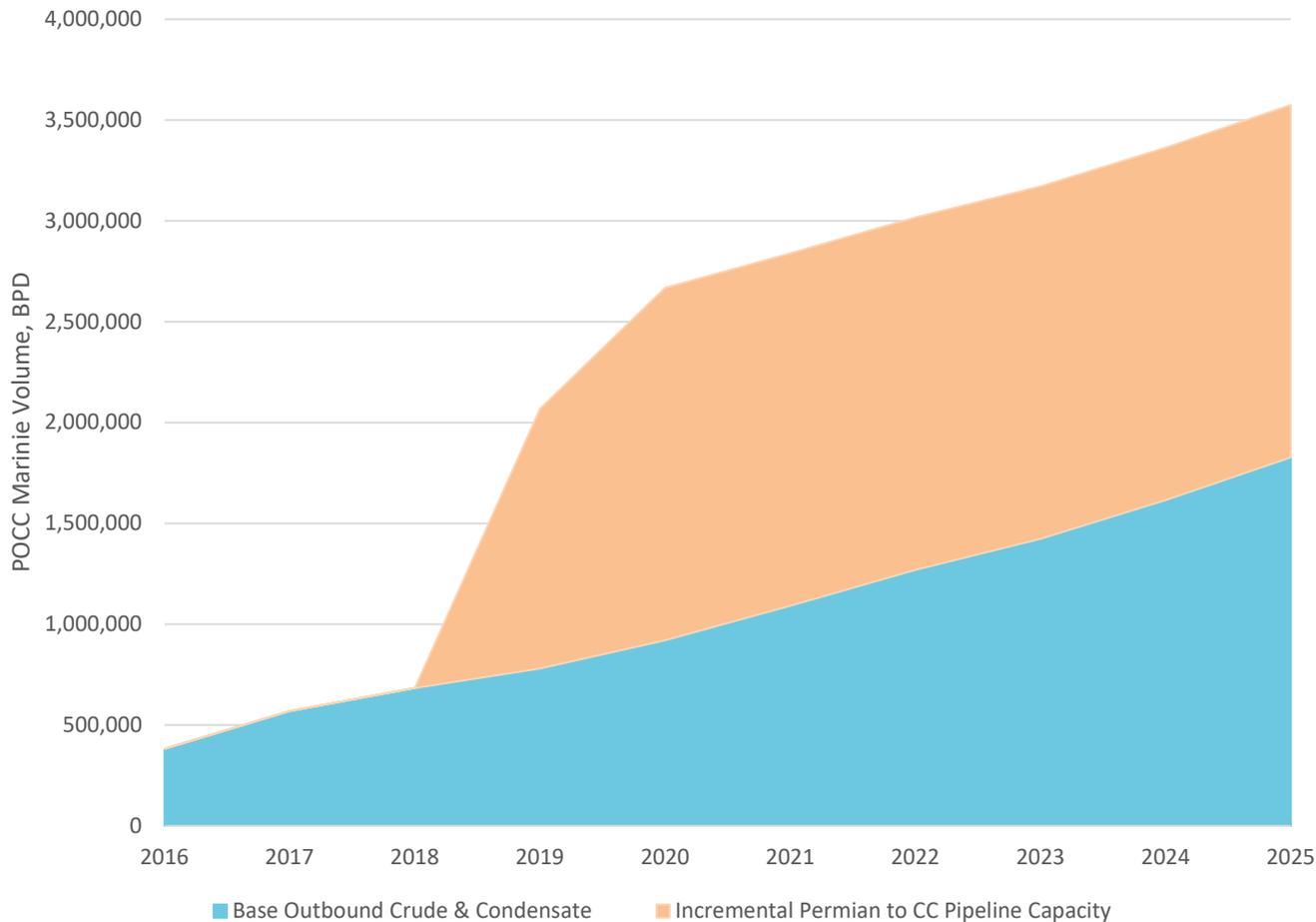
# Expanding Highway System



# New Docks



# POCCA Incremental Crude Oil Export Volume (BPD)



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# New Class of Super Tankers – Very Large Crude Carriers



# April 2017 - Crude Oil Export Milestone



- In April 2017 the Suezmax class tanker *Cap Romuald* was loaded with 930,000 barrels of Crude Oil at Port Corpus Christi
- The nearly 1 million barrels of Crude Oil is more than three times the total 2010 outbound Crude Oil volume from Port Corpus Christi

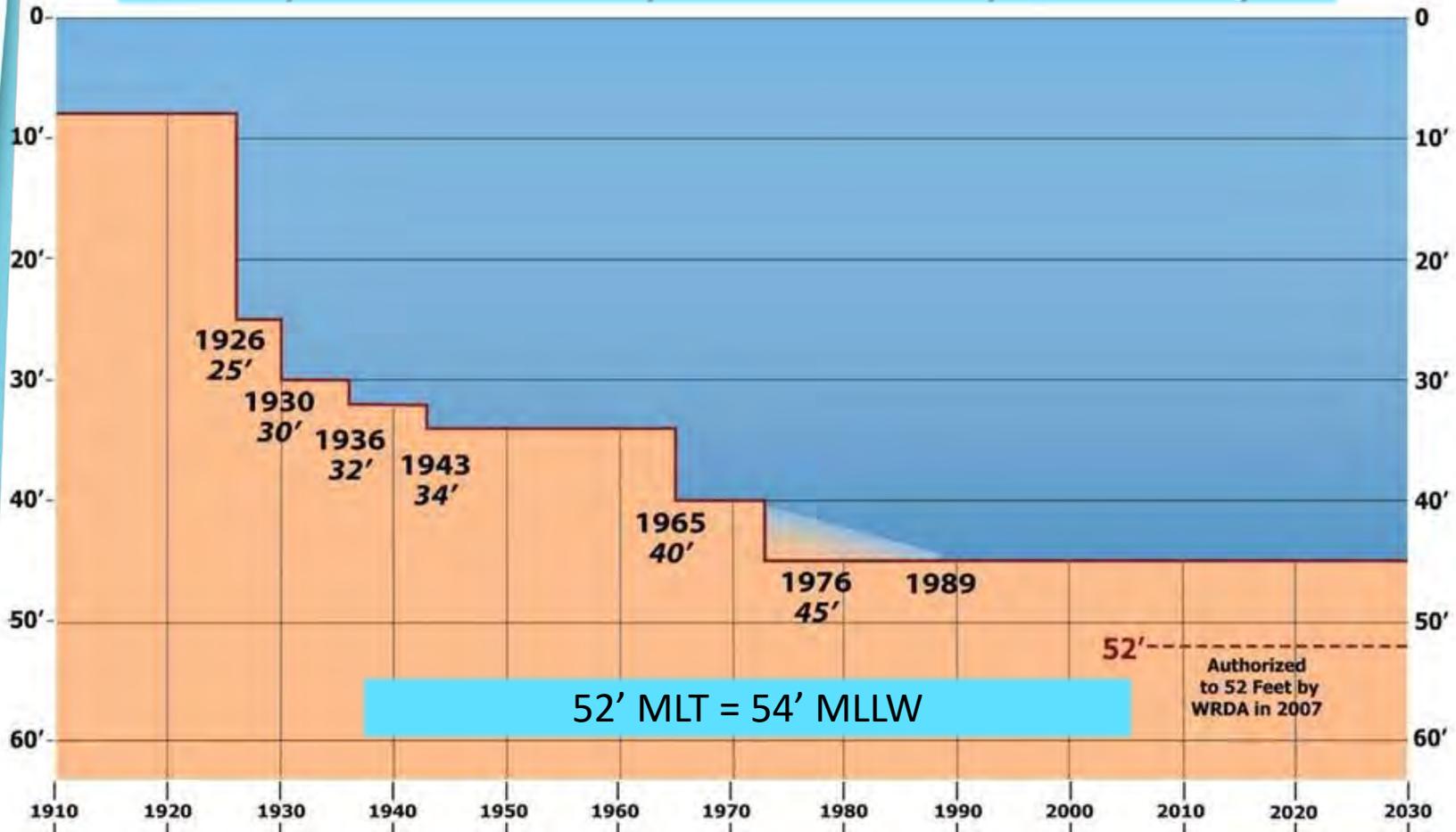


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# Corpus Christi Ship Channel Depth History



52' MLT = 54' MLLW

Authorized to 52 Feet by WRDA in 2007

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## CCSC-CIP 28 Year Project History



- 1990 Authorized by Congress to Study Channel Improvements
- 1994 Reconnaissance Report Completed
- 2003 Chief's Report Released
- 2007 Project Authorized by Congress (WRDA 2007)
- 2009 Limited Reevaluation Report (LRR) Completed for LQ
- 2011 Construction Initiated:

- La Quinta Ship Channel Extension
- BU Site Shallow Water Habitat
- Ecosystem Restoration Feature at Ingleside-on-the-Bay complete

- 2012 Construction of Ecosystem Restoration Features
- 2012 LRR and 902 for CCSC for Deepening, Widening and Barge Shelves Complete
- 2013 Federal Assumption of Maintenance Agreement Executed for Deepening of La Quinta Channel Extension to -45' MLT
- 2013 Construction of La Quinta Channel Extension (-39' MLT) and BU Site Shallow Water Habitat Complete

- 2013 Deepening of La Quinta Channel Extension to -45' MLT Complete
- 2014 Project Re-authorized by Congress (WRRDA 2014) at New Cost
- 2015 Limited Reevaluation Report Completed to Update Economics of Remaining Elements
- 2016 Water Infrastructure Improvements for the Nation Act
  - Modernizes the cost share depth for channel projects over 50 feet
  - Clarifies that remaining separable elements of the Channel Improvement Project have been authorized and can begin the next phase of work
  - Includes feasibility studies:
    - LQ Channel widening & deepening
    - New turning basin near the entrance to the Inner Harbor
    - Increase the size of existing turning basins
- 2017 Project Partnership Agreement (PPA) Executed for Construction of Main Channel and Barge Lanes
- 2018 CCSC CIP included in Presidents FY 2019 Budget

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The President's budget includes \$13 million in funding for port of Corpus Christi's CIP in the U.S. Army Corps of Engineers in its civil works budget

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# Project Cost

## CCSC CIP Main Channel & Barge Lanes

- Est. Total Project Cost = \$350,518,000
  - GNF Share = \$326,887,000
    - Federal = \$224,513,000
    - NFS = \$102,374,000
  - Other Non-Cost Share = \$23,631,000
    - Fed Cultural = \$300,000
    - NFS LERRDs = \$23,331,000
- Feasibility Designed for 8 contracts
  - 4.35 year construction schedule



***PCCA has the ability to accelerate funds help expedite construction.***

# Implementation

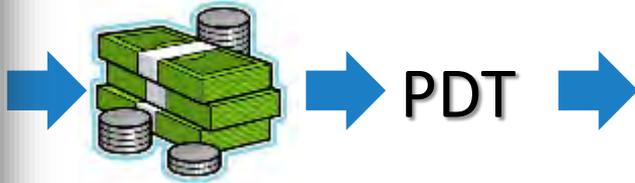
Contract No.	New Stationing
Pipeline Relocations, Non-Fed	
Contract 1 - CCSC - Dredge Stas. 310+00 to -38+00	-330+00 to 70+00
Contract 2 - CCSC - Dredge Stas. 12+55 to 180+00	70+00 to 250+50
Contract 3 - CCSC - Dredge Stas. 180+00 to 670+00	250+50 to 691+50
Contract 4 - CCSC - Spartina Planting	
Contract 5 - CCSC - Dredge Stas. 670+00 to 1080+00	691+50 to 1106+00
Contract 5a - CCSC - Dredge Barge Shelves from Stas. 980+00 to 1060+00	565+00 to 1075+50
Contract 6 - CCSC - Dredge Stas. 1080 to 1320	1106+00 to 1346+00
Contract 7 - CCSC - Dredge Stas. 1320+00 to 1561+00	1346+00 to 1587+45
CCSC - Dredge Inner Harbor Berthing Areas, Non-Fed	
CCSC - Inner Harbor Berthing Area Modifications, Non-Fed	



# Project Status

## Current:

- 1) Project Partnership Agreement was executed on 9 Sep 2017
- 2) PCCA accelerated funds in the amount of 32.166M for Entrance Channel and Barge Lanes contracts.
- 3) Project Coordination Team has completing 1<sup>st</sup> set of plans and specifications (Entrance Channel).
  - 1) Currently in Contracting Review
- 4) Entrance Channel Advertisement and Award schedule for April and June 2018,





# Horizon

## **New Start Studies in the Near Future:**

- La Quinta Channel Expansion – Deepening and Widening the existing channel
- CCSC Turning Basin – Improving efficiencies through adding/improving turning basins in/near Inner Harbor
- Channel improvements to accommodate VLCC's - Deepen CCSC from Gulf of Mexico to LQ Junction to 76-ft

# Summary

## The Port of Corpus Christi (PCCA) and the Galveston District (SWG):

- Working together as a team to facilitate the timely completion of the Entrance Channel contract.
- Looking reducing contract numbers and arrangements to facilitate quicker benefits and reduced construction costs.
- Scheduling long lead data collection methods early in advance to prevent delays in P&S development.

**SWG looks forward to designing and constructing “Americas Energy Port”.**



# Thank You!

QUESTIONS?



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