

COMMANDER'S VISION

Colonel Timothy R. Vail
District Engineer
U.S. Army Corps of Engineers
Galveston District

Galveston District Dredging Meeting
October 15, 2020



US Army Corps
of Engineers®

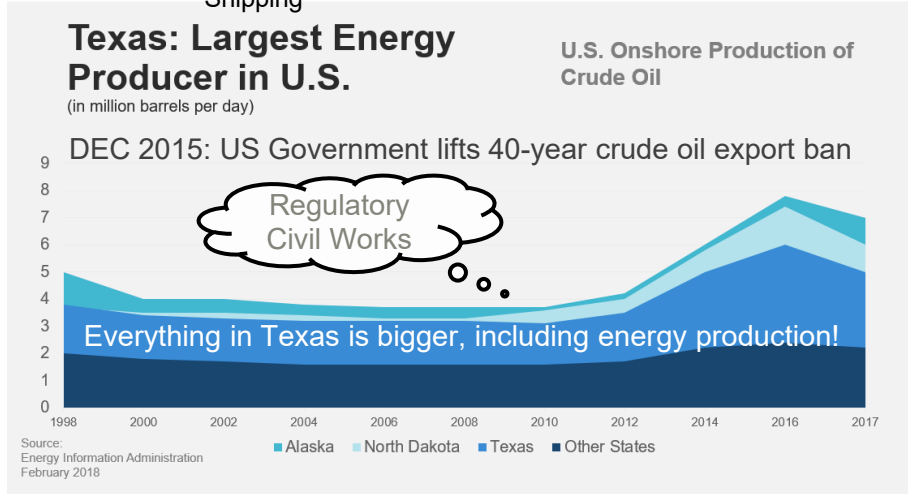


USACE, GALVESTON DISTRICT – CIVIL WORKS REGULAR PROGRAM

Waterborne commerce economic driver to NAV studies and projects:

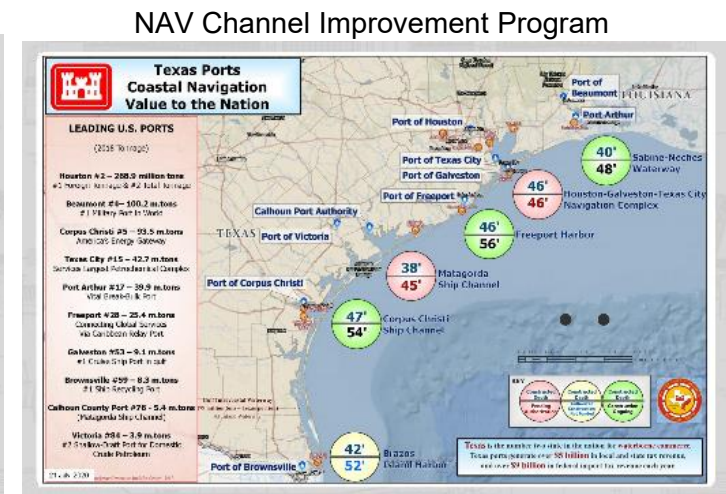
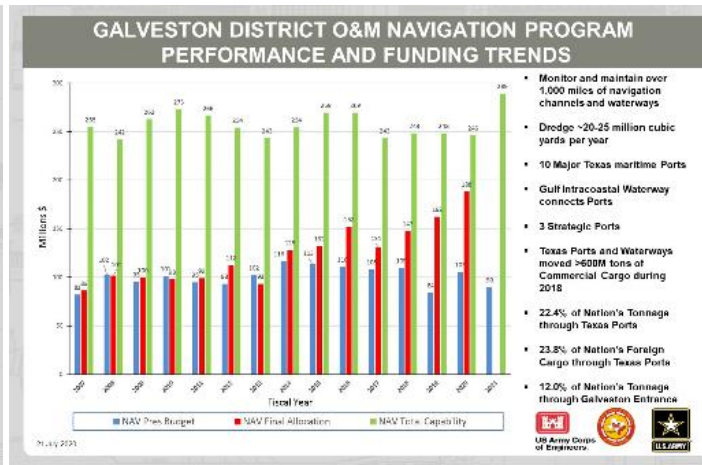
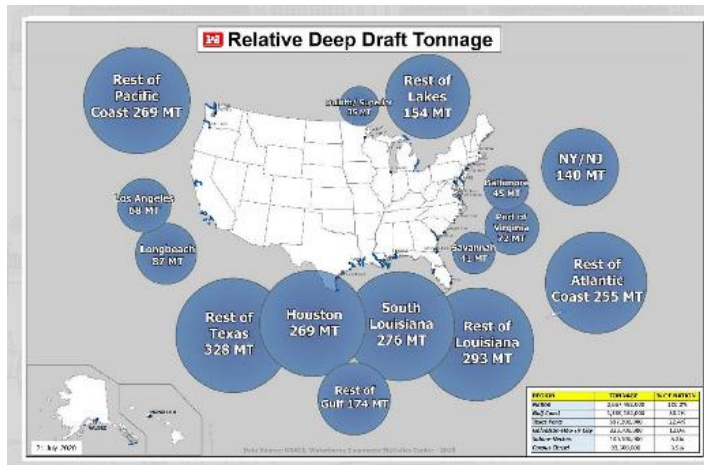


Panama Canal, new Agua Clara Locks – Container Shipping



- 6 out of 28: Main focus, Executive Leadership Governance
- 22 additional regional economic engines with emerging development opportunities
- Emerging Port Forum

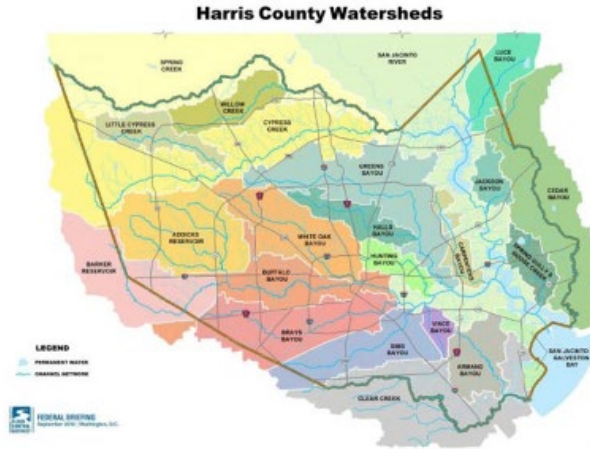
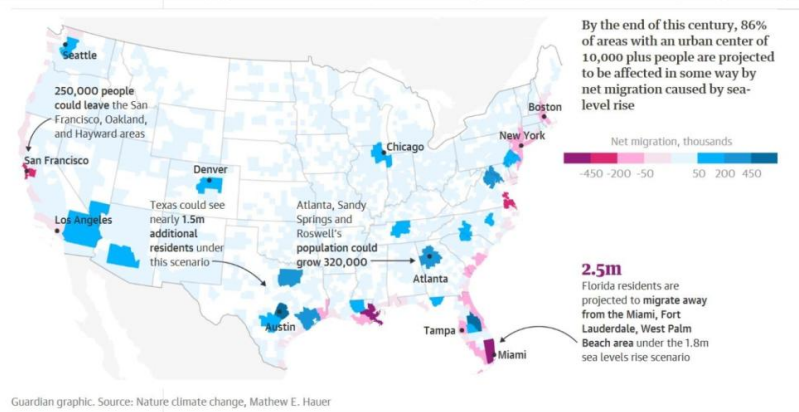
Waterborne commerce economic driver to NAV studies and projects:



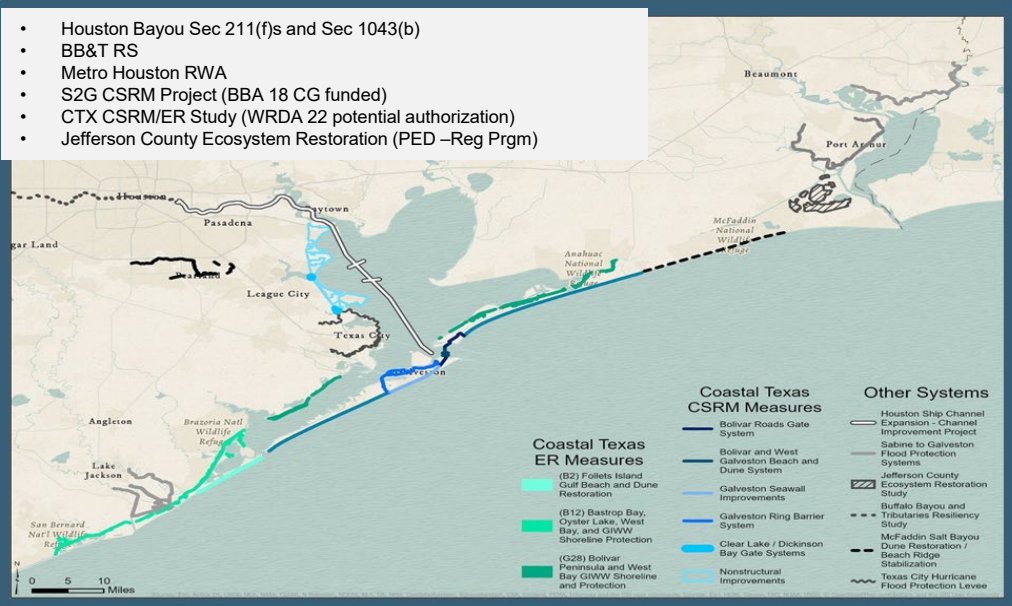


USACE, GALVESTON DISTRICT – CIVIL WORKS BBA-18

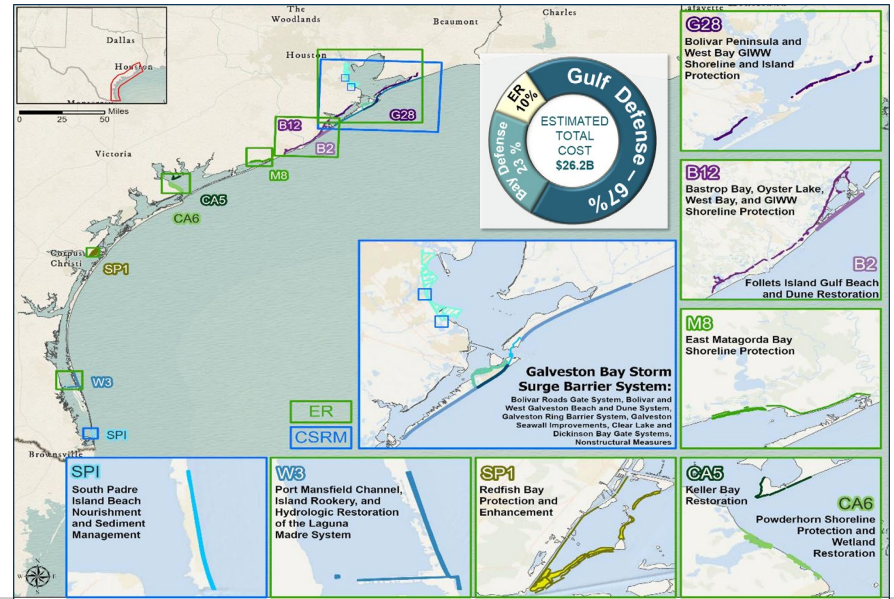
Regional development, changes in hydrology, and increased extreme weather events driver to FRM studies and projects:



Coastal development, landscape changes, and increased extreme weather events driver to CSRSM studies and projects:
Integrated comprehensive FRM and CSRSM plan:

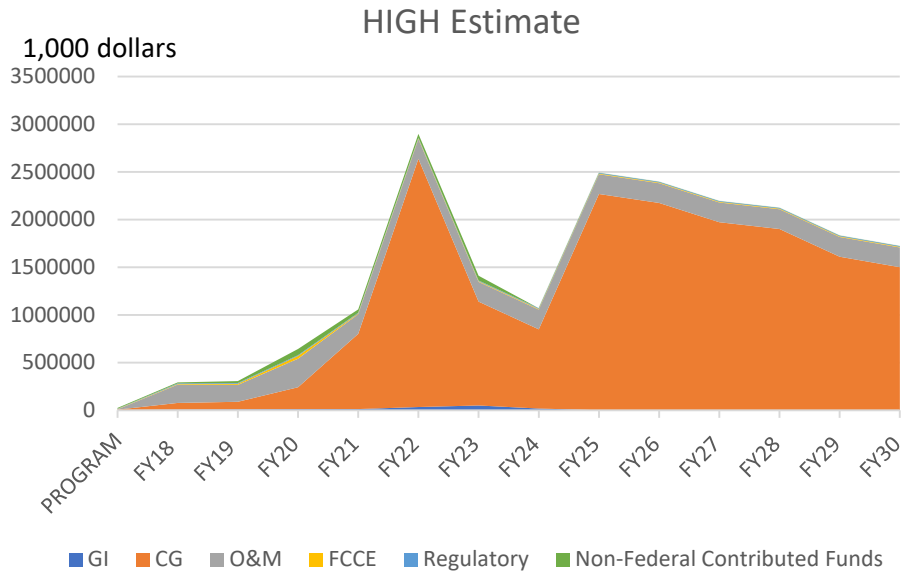
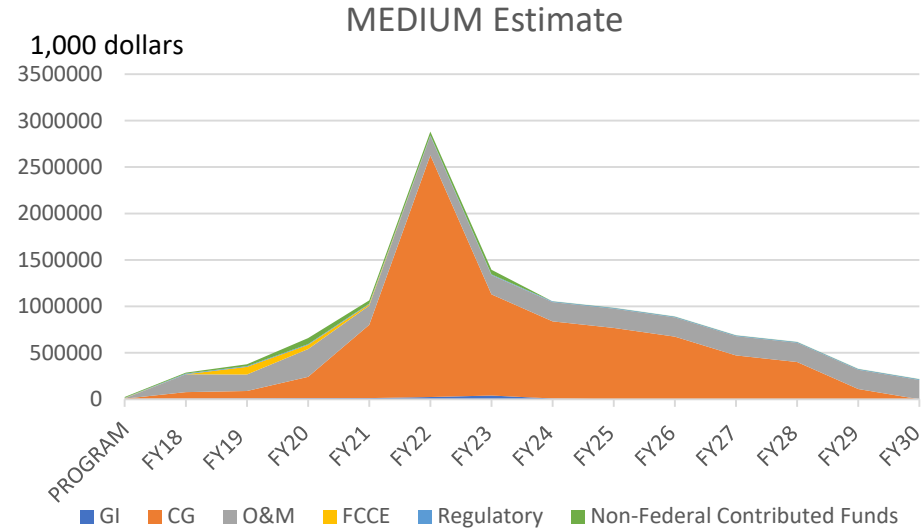
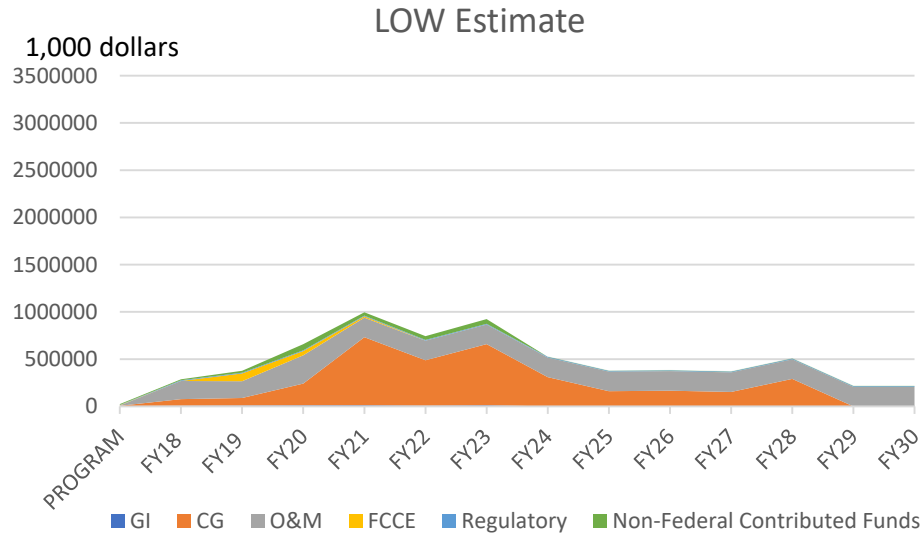


Revised Recommended Plan for Coastal Texas





SWG Revenue Est. FY18 to FY30



LOW RISK/UNCERTAINTY Estimate –

Continuing feasibility, PED and construction (S2G Port Arthur only) projects. Including recent ASA budgetary decisions

MEDIUM RISK/UNCERTAINTY Estimate –

Includes all LOW RISK estimates, additional authorized/unauthorized studies for PED and construction (plus S2G Freeport & Orange). Except Coastal Texas .

HIGH RISK/UNCERTAINTY Estimate –

Includes all of MEDIUM RISK estimates and Coastal Texas PED and construction.



Texas Ports Coastal Navigation Value to the Nation

LEADING U.S. PORTS

(2018 Tonnage)

Houston #2 – 268.9 million tons
#1 Foreign Tonnage & #2 Total Tonnage

Beaumont #4 – 100.2 m.tons
#1 Military Port in World

Corpus Christi #5 – 93.5 m.tons
America's Energy Gateway

Texas City #15 – 42.7 m.tons
Services Largest Petrochemical Complex

Port Arthur #17 – 39.9 m.tons
Vital Break-Bulk Port

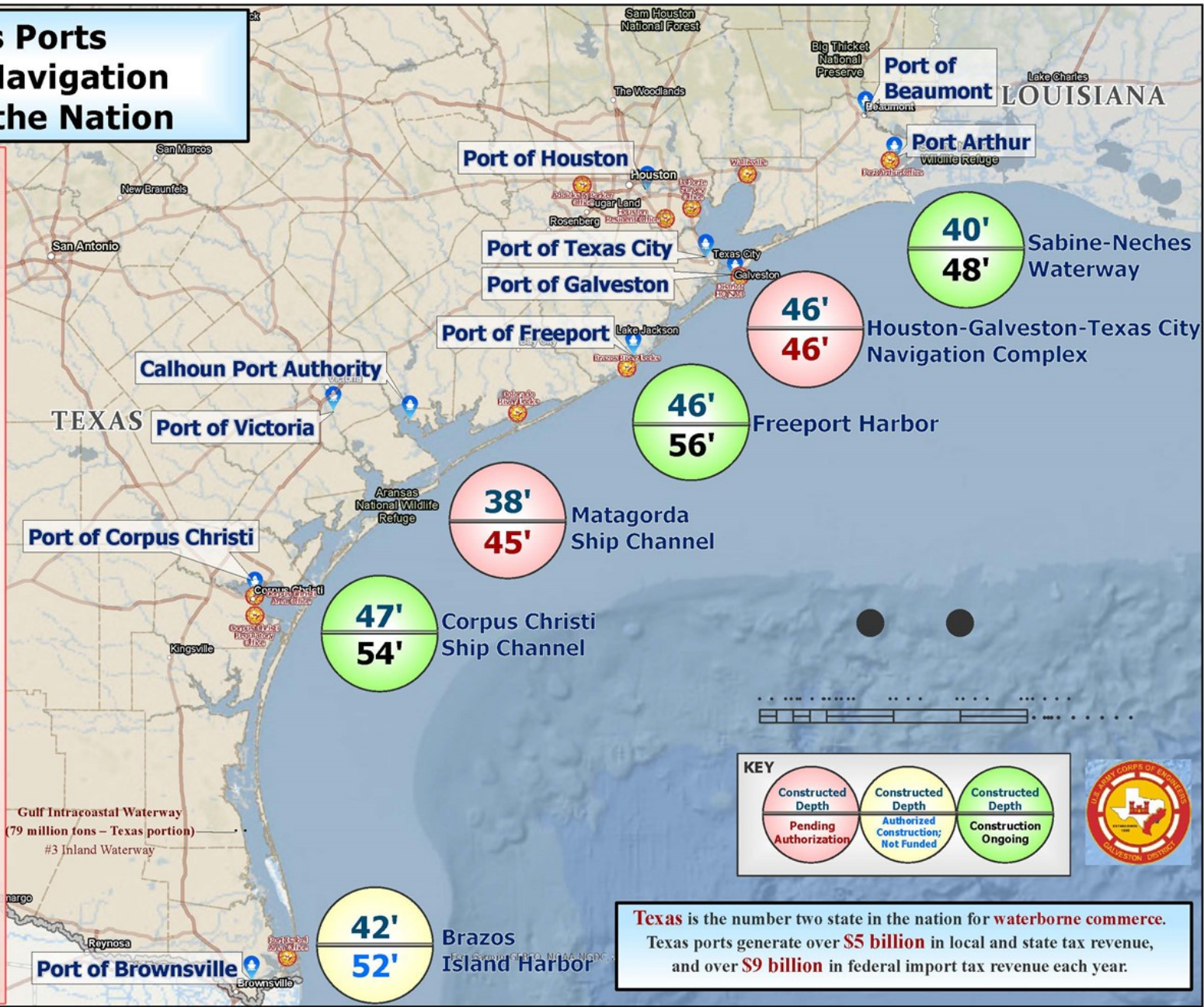
Freeport #28 – 25.4 m.tons
Connecting Global Services
Via Caribbean Relay Port

Galveston #53 – 9.1 m.tons
#1 Cruise Ship Port in gulf

Brownsville #59 – 8.3 m.tons
#1 Ship Recycling Port

Calhoun County Port #76 – 5.4 m.tons
(Matagorda Ship Channel)
#3 Inland Waterway

Victoria #84 – 3.9 m.tons
#2 Shallow-Draft Port for Domestic
Crude Petroleum



KEY

Constructed Depth	Constructed Depth	Constructed Depth
Pending Authorization	Authorized Construction; Not Funded	Construction Ongoing

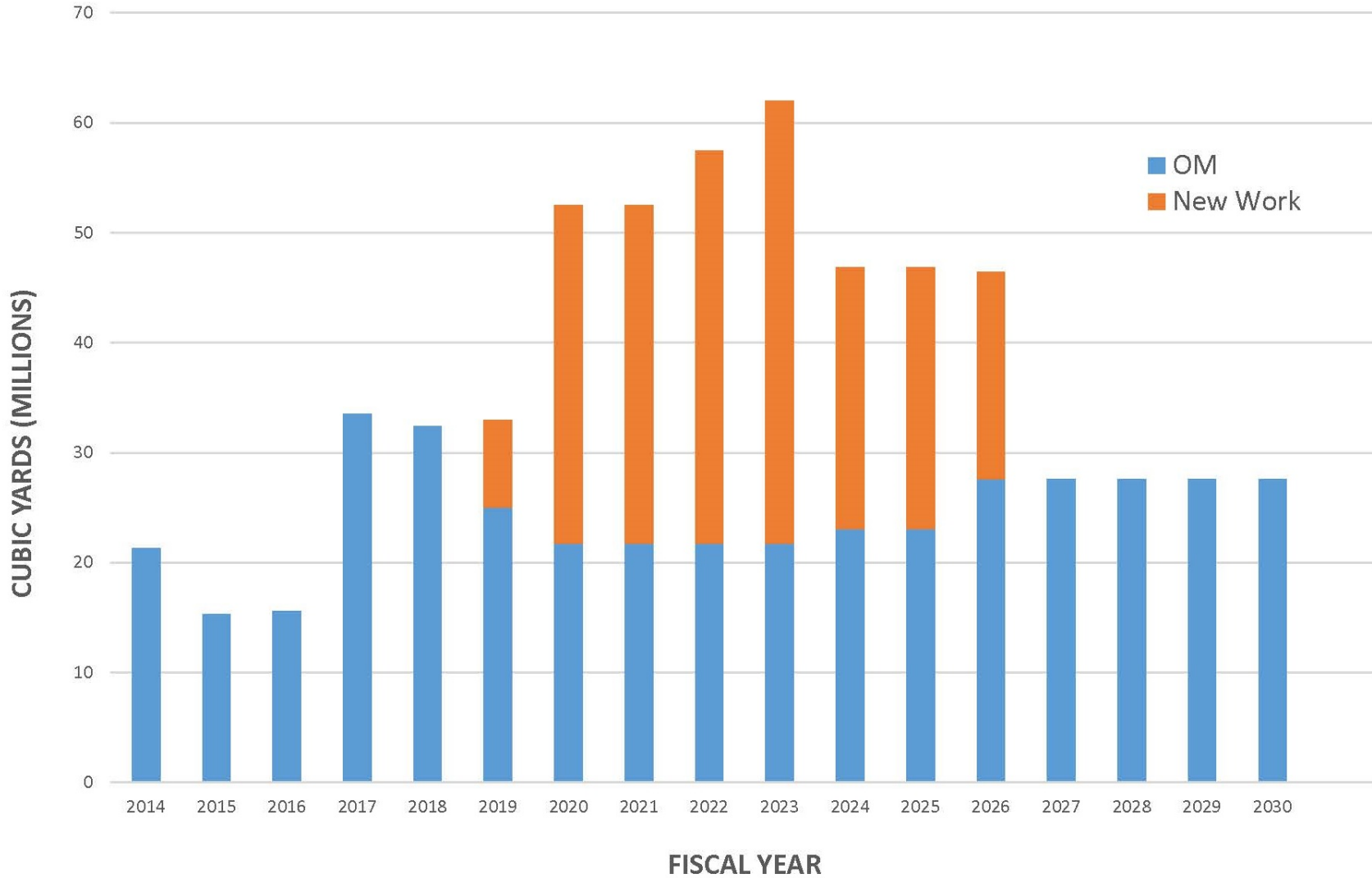


Texas is the number two state in the nation for **waterborne commerce**. Texas ports generate over **\$5 billion** in local and state tax revenue, and over **\$9 billion** in federal import tax revenue each year.



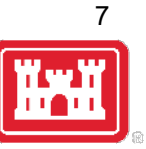
Galveston District Actual & Projected O&M and New Work Dredging Quantities

Fiscal Years 2014 through 2030

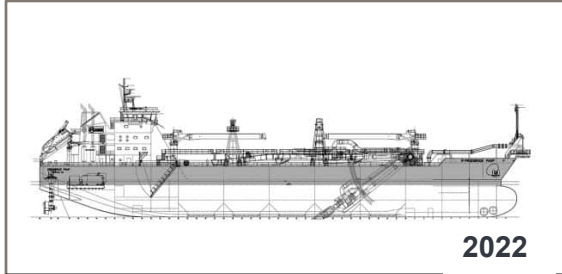




Contractors Response to Funding Trends



HOPPER DREDGES



2022

MANSON CONSTRUCTION
FREDRICK PAUP 15,000 CY



2023

WEEKS
R.B. WEEKS 8,550 CY

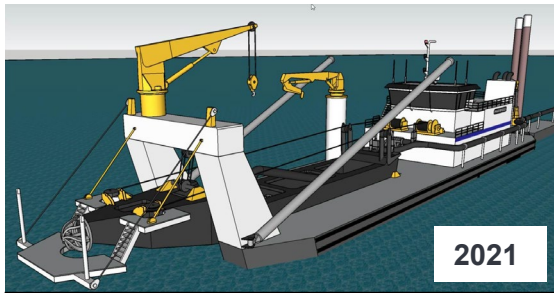
- DESIGN PHASE**
- GREAT LAKE DREDGE & DOCK**
Hopper 6,500 CY
- CASHMAN DREDGING**
Hopper 6,000 CY

CUTTER DREDGES



2020

CALLAN MARINE General MacArthur
24,000 Hp 2020, 800mm



2021

CALLAN MARINE General Bradley
28-inch Pipeline

- GREAT LAKES DREDGE & DOCK**
OHIO (Re-Flagged)
30-inch Pipeline
- CAROLINA (Re-Flagged)
30-inch Pipeline
- WEEKS MARINE**
R.S. WEEKS (repowered)
30-inch Pipeline
- E.W. Ellefsen (repowered)
30-inch Pipeline

CLAMSHELL DREDGES



2019

GLDD
DREDGE 58



2019

WEEKS MARINE
DREDGE 506



QUESTIONS

