

LIFE, LIBERTY, & THE PURSUIT OF HAPPINESS

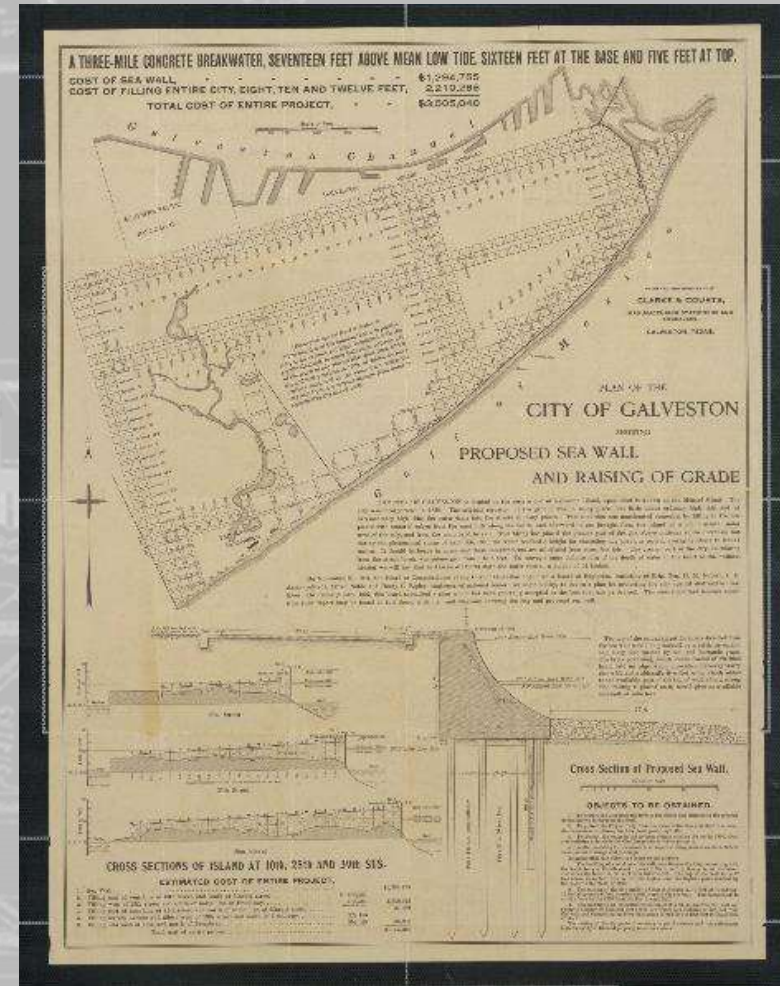
Nicole Sunstrum
Executive Director
Gulf Coast Protection District

Michael E. Braden, P.E. PMP, CCE
Chief, Mega Project Division
Galveston District, USACE

24 February 2022



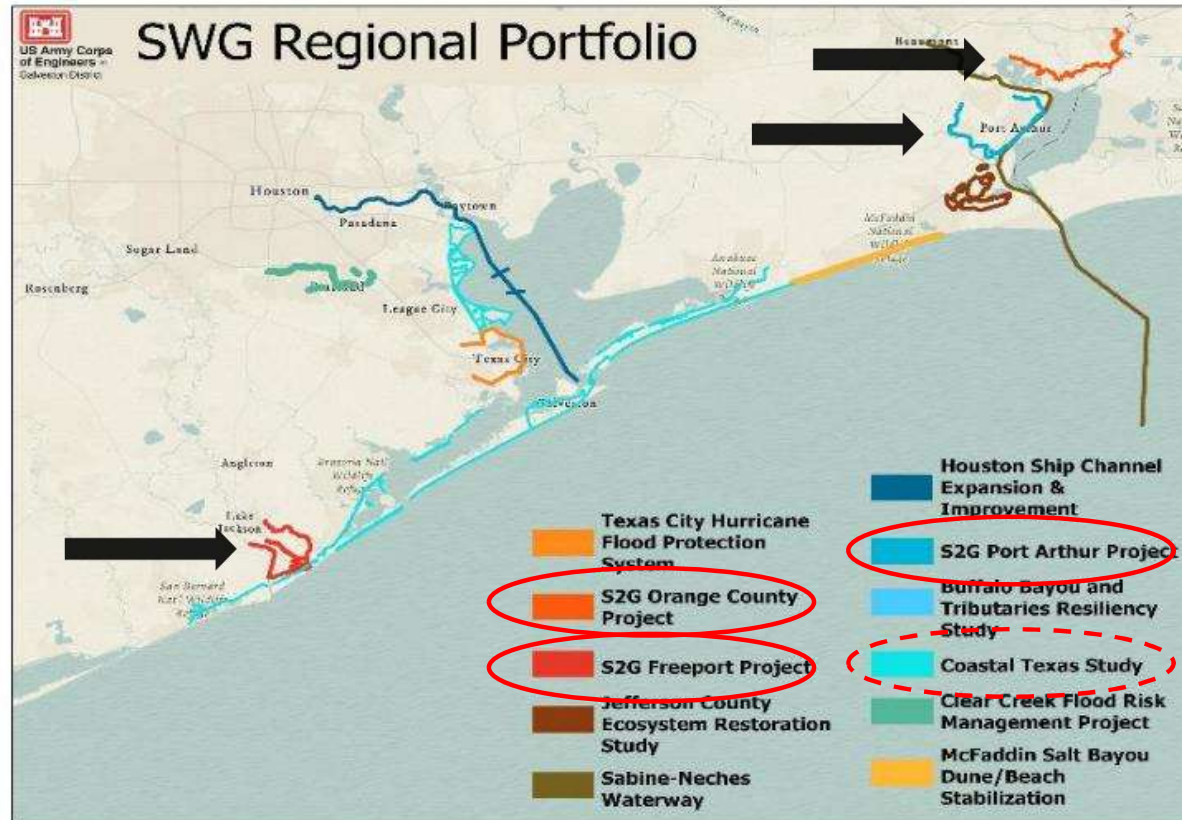
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Sabine to Galveston (S2G)

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CSRM - Coastal Storm Risk Management. **Reduces** risk and impact. Does not eliminate risk.



Definitions



Social Justice – Access (**Equal**) to wealth, health, well-being, privileges, and opportunity.

Environmental Justice – **Same** degree of protection from environmental and health hazards.

Resiliency – The capacity to **recover quickly** from difficulties; toughness.

Operational Environment - a composite of the **conditions**, circumstances, and influences that affect the employment of **capabilities**.



Demographics

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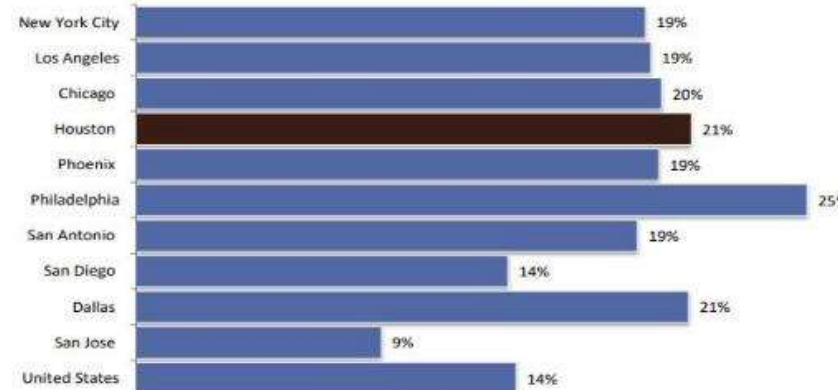
Houston Is the Most Diverse City in America

A new WalletHub study confirms what most Bayou City residents already knew.

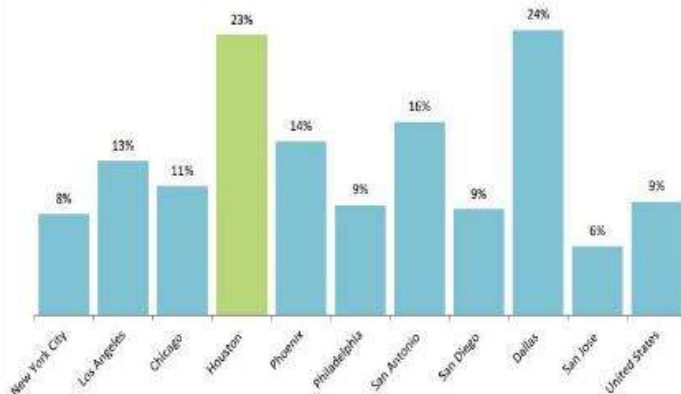
By Catherine Wendlandt • April 21, 2021



Individuals Below Poverty Level

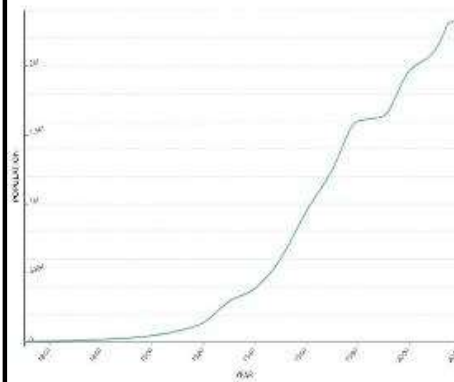


No Health Insurance Coverage

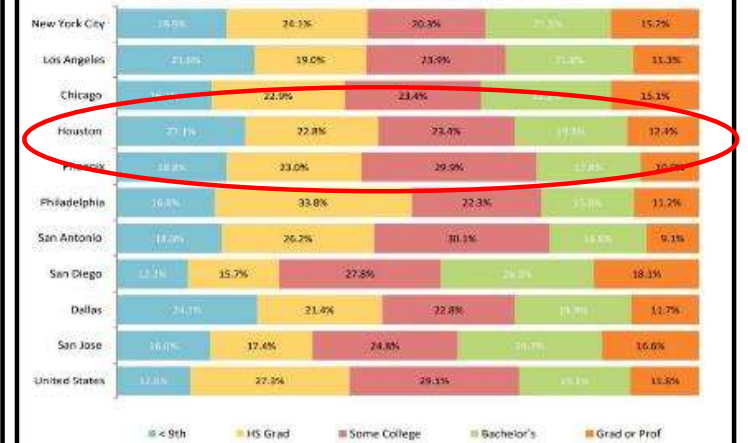


Houston, Texas Population 2022

2,325,353



Educational Attainment (Persons 25 years and over)



2/24/2022



Wealth

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American Dream – Post World War II (GI Bill) established default “path” to wealth through post secondary education often requiring planning horizons and timeframes **spanning multiple generations.**



Directly supports **Intragenerational** transfer of wealth with tens of thousands of construction-related contractor, subcontractor and supplier jobs most paying Davis Bacon wages. Indirectly sustains hundreds of thousands of well-paying jobs with the petrochemical and shipping industries.

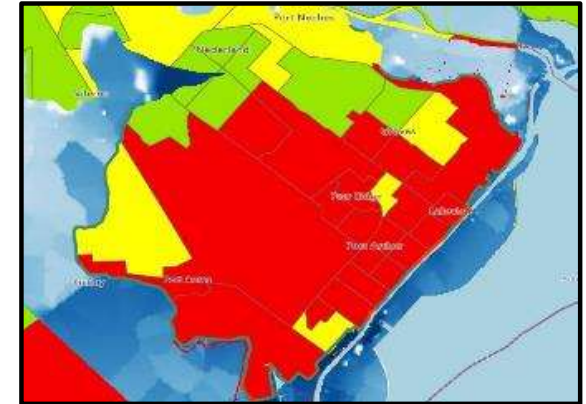


Health

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Reduces the health impact to the population resulting from **physical trauma**, acute disease and **emotional trauma**. In addition, disasters may increase the morbidity and mortality associated with chronic disease and infectious disease through the impact (**availability**) on the health care system.



Port Arthur Vulnerable Population



Port Arthur Inundation Map



Well-being



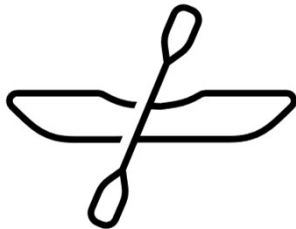
Viewshed



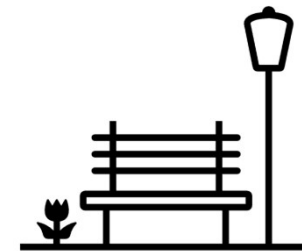
Affordability



Quality of Life



Recreation



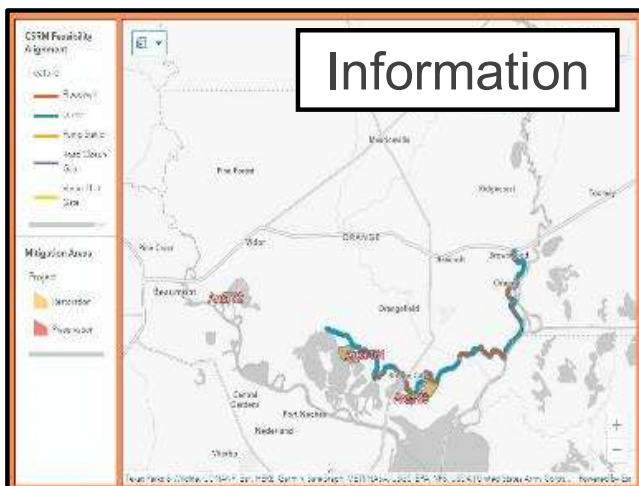
Security (Peace of Mind)



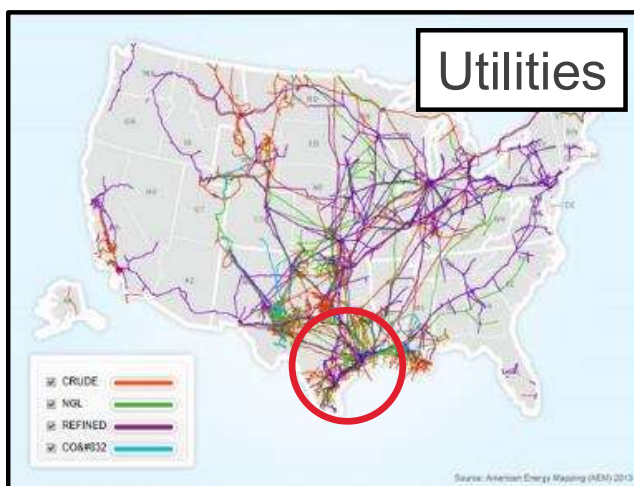
Privileges



Infrastructure



Information



Utilities



Transportation

Participation

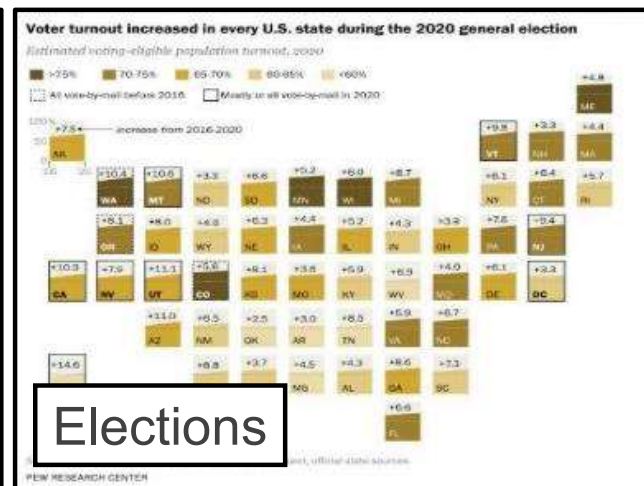
PROJECT PARTNERSHIP AGREEMENT BETWEEN THE DEPARTMENT OF THE ARMY AND GULF COAST PROTECTION DISTRICT FOR THE ORANGE COUNTY SEPARABLE ELEMENT OF THE SABINE PASS TO GALVESTON BAY, TEXAS COASTAL STORM RISK MANAGEMENT PROJECT

THIS AGREEMENT is entered into this ____ day of _____, ____ by and between the Department of the Army (hereinafter the "Government"), represented by the [INSERT TITLE OF GOVERNMENT REPRESENTATIVE: i.e., Division Commander for Southwestern Division or District Commander for Galveston District, if signature authority is delegated], and the Gulf Coast Protection District (hereinafter the "Non-Federal Sponsor"), represented by its Executive Director.

Mutual Expectations



Public Meetings



Elections



Opportunity

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Identification

S2G Chief's Report (Dec/2017)
Bipartisan Budget Act (Feb/2018)
WRDA (Oct/2018)
Coastal Texas Chief's Report (Sep/2021)
WRDA (???)

Resources



Sandcastle – Approx. 12 Hours

Stability



Le Mont Saint Michel – Over 1000 Years



Questions

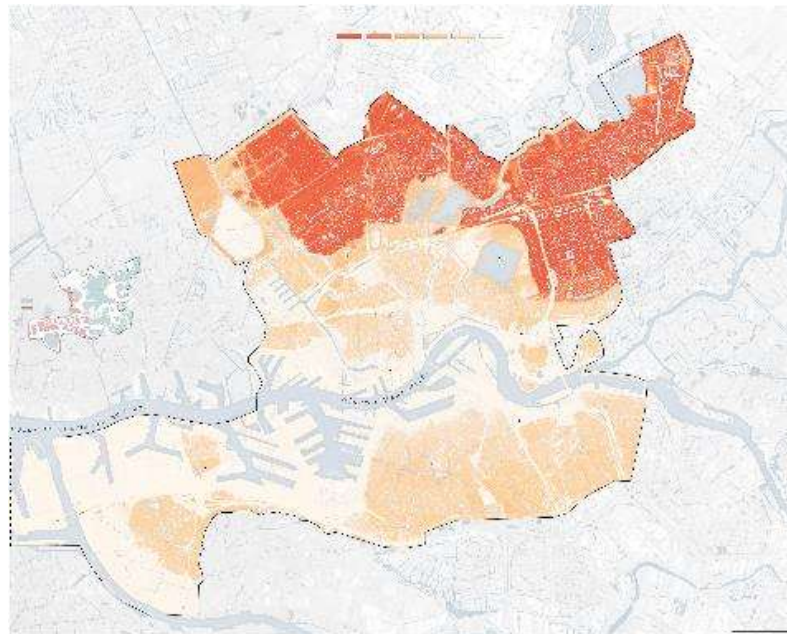
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Downtown Rotterdam, Netherlands.



Rowing teams practice at the Eendragtspolder, a site intended to be both a public amenity and a reservoir for floodwater.



90 percent of the city of Rotterdam lies 0 – 15' below sea level.



The Maeslantkering, an immense sea gate conceived decades ago to protect the port of Rotterdam.



A water plaza in the Spangen neighborhood of Rotterdam was created to capture floodwater.



More Info....

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Sabine Pass to Galveston Bay Coastal Storm Risk Management Program

US Army Corps of Engineers
Galveston District

Home
Freeport Project
Port Arthur Project
Orange County Project

INTERACTIVE STORY MAPS
Learn more about the Sabine Pass to Galveston Bay Program and the three projects through this interactive Story Maps. This interactive experience includes a variety of information on the Freeport CSRM Project, Port Arthur CSRM Project and the Orange County CSRM Project. [CLICK HERE](#)

Upcoming Public Information Sessions

Port Arthur Project (links to the VIRTUAL Public Information Sessions)

- February 15 - 11:30 AM - 1:00 PM
- February 16 - 11:30 AM - 1:00 PM (Check session day for the link)
- February 17 - 11:30 AM - 1:00 PM (Check session day for the link)

Freeport Project Archived Virtual Public Information from 18-20 January [Available Here](#)

Website: <https://www.swg.usace.army.mil/s2g/>

Sabine Pass to Galveston Bay Coastal Storm Risk Management Program

US Army Corps of Engineers
Galveston District

This site provides updates on the S2G Program and offers an interactive experience to explore the program's individual projects as they are constructed over the course of the next five years.

Story Maps: <https://sabine-to-galveston-usace-swg.hub.arcgis.com/>