

<b>DOCKETED</b>	
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<b>Project Title:</b>	Offshore Wind Waterfront Facilities Improvement Program
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<b>Document Title:</b>	Presentation - Crescent City Harbor District
<b>Description:</b>	Individual presentation by the Crescent City Harbor District at the CEC workshop on November 3, 2023.
<b>Filer:</b>	Eli Harland
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<b>Docketed Date:</b>	11/17/2023





# CRESCENT CITY HARBOR DISTRICT

Presenters: Mike Rademaker, Assistant Harbormaster  
Thomas Zickgraf, Comptroller



# OUR STORY

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- Area History: Crescent City Harbor settlements began to grow in the middle 1800s during the California Gold Rush. Subsequently, the timber industry became the dominant economic driver.
- Harbor District: Founded in 1931, the Crescent City Harbor District (CCHD) supports commercial and recreational fishing, marina services, and growing tourism (Redwood National Park was established in 1968).
- Future: Recent grant funding is creating a pathway for CCHD to serve as an operations and maintenance (O&M) hub for future offshore wind power development.



# OUR LEADERSHIP

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- Harbormaster Tim Petrick: Seasoned Mariner (over 2,000 sea days, unlimited second mate), former Harbormaster for the Richmond Yacht Club, Cal Maritime (B.S. & M.S.)
- Asst. Harbormaster Mike Rademaker: former NPS Park Ranger, Criminal Investigator, Paralegal, Network Engineer, Cal Maritime (M.S. Engineering - in progress).
- Comptroller Thomas Zickgraf: Finance and Business Development Specialist with a focus on start-ups.
- Grant Manager Mike Bahr: Founder of Community Systems Solutions (CSS) and rainmaker extraordinaire!





## FOCUSED PROGRESS:

Infrastructure development:  
laying the groundwork for wind power.

# GRANTS AWARDED



# PIDP Seawall Grant

AWARD AMOUNT:  
\$7,366,565.60  
Maritime Administration



Construction of a  
new Seawall



Repair and renovate  
the seafood packing  
and trucking area



Replace the aged  
hoists atop the  
Seawall



# New Citizens Dock Planning

AWARD AMOUNT:

\$927,000.00

CALIFORNIA COASTAL CONSERVANCY



Expand Commercial  
Fishing



Harbor revitalization



Public Amenities



# South Beach Climate Resilience Plan



AWARD AMOUNT:  
\$268,000  
CALTRANS



Identify climate mitigation projects along US 101 and Anchor Way



Prepare for storm surges and sea level rise



Partner with DNLTC & Elk Valley Rancheria to prevent road closures

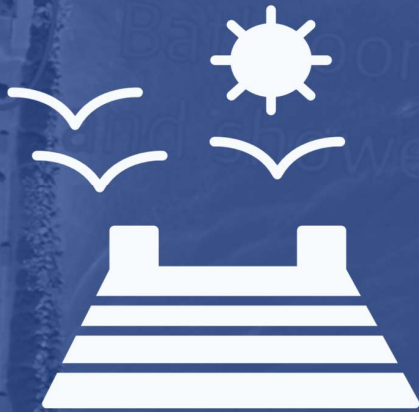


# South Beach Bathroom

AWARD AMOUNT:

\$450,000

CALIFORNIA Coastal Conservancy



Harbor revitalization



Facilities for Coastal  
Trail hikers



Convenient beach  
restrooms



# Hazard Mitigation Study

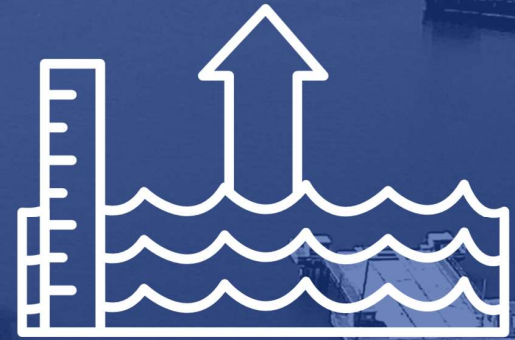
AWARD AMOUNT:  
\$1.35 MILLION  
FEMA



Tsunami and storm  
protection



Economic  
Opportunities



Sea level rise  
preparedness





## FUTURE LONGEVITY:

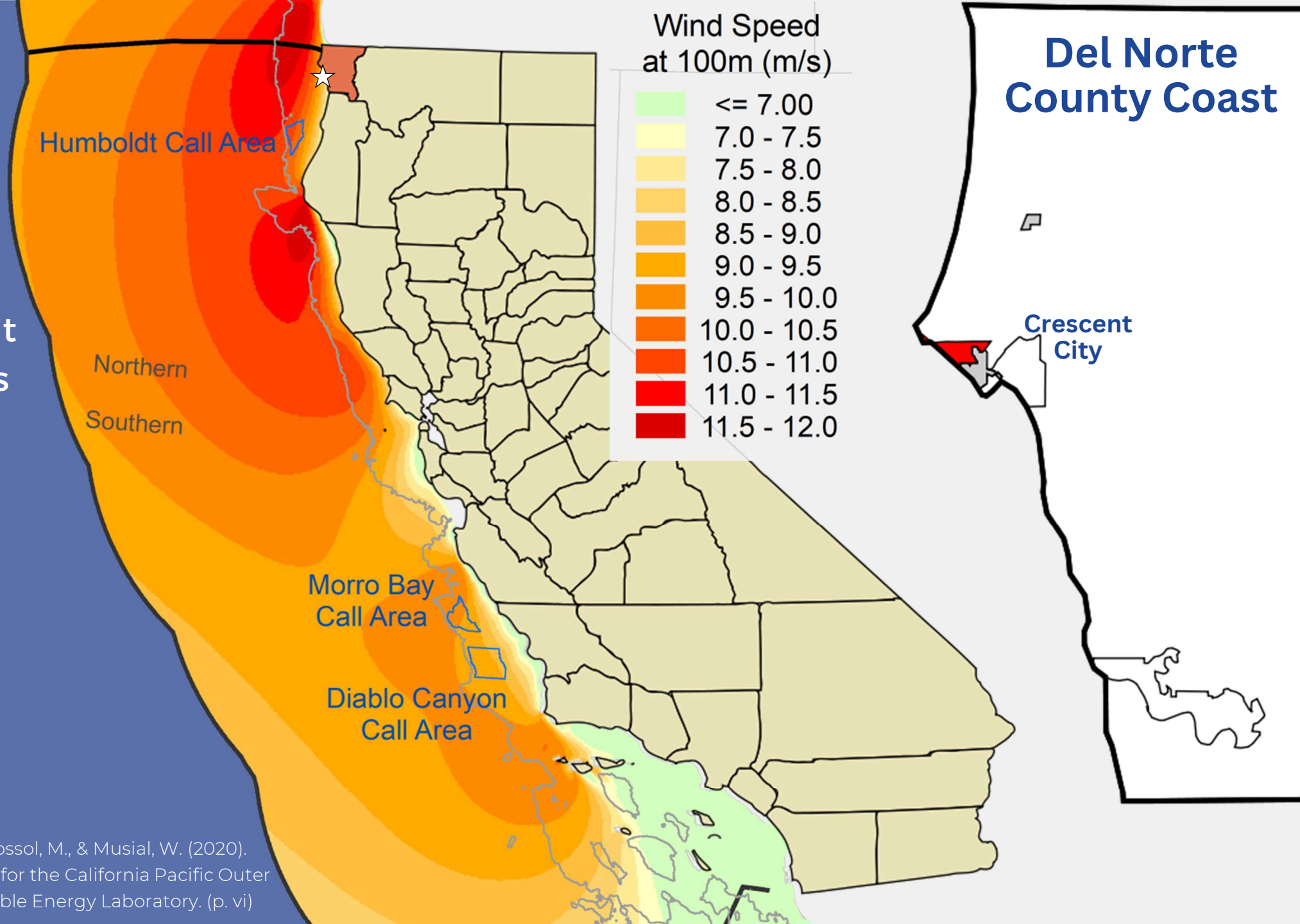
Create a thriving harbor through economic growth and infrastructure upgrades

# FUTURE OPPORTUNITIES



# DEL NORTE OFFSHORE WIND POTENTIAL

One of the best  
wind resources  
on the entire  
Pacific Coast  
(11.5-12 m/s)



Source:

Optis, M., Rybchuk, A., Bodini, N., Rossol, M., & Musial, W. (2020).  
Offshore Wind Resource Assessment for the California Pacific Outer  
Continental Shelf. National Renewable Energy Laboratory. (p. vi)



# OSW O&M PORT

Crew Transfer Vessels

Service Operation Vessel





# O&M DESIGN VESSELS



## CREW TRANSFER VESSEL (CTV)

Length Overall	65 – 90 ft
Beam	22 – 30 ft
Draft	5 – 10 ft



## SERVICE ACCOMMODATION TRANSFER VESSEL (SATV)

Length Overall	100 – 130 ft
Beam	30 – 50 ft
Draft	10 – 16 ft



## SERVICE OPERATING VESSEL (SOV)

Length Overall	200 – 400 ft
Beam	50 – 80 ft
Draft	16 – 25 ft



# Economic Development

## Fish Filet Market

Install a small scale commercial fish filet facility, in partnership with the Del Norte and Tribal Lands Community Food Council.

## Food Court & Beer Garden

Develop area for multiple food trucks with an outdoor seating area, accessible by foot from South Beach.

## Pop-up Shops

Partner with local vendors to provide visitor shopping opportunities, such as souvenir and convenience shops for tourists.



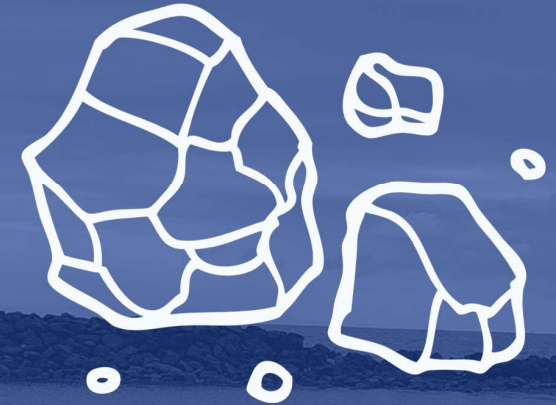
# FEMA Storm Damage Disaster Response



Repair of Anchor  
Way Breakwater



Repair of Anchor  
Way Roadway



Repair Whaler Island  
Groin Breakwater



# EMBRACING OFFSHORE WIND ENERGY

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- Ideal Location: Strategically situated 30 miles north of the Humboldt Call Area and 30 miles south of the Brookings Call Area. BOEM anticipates a Del Norte Call Area (best wind resource of the entire Pacific Coast).
- Proven Viability: Engineering studies have validated the suitability of the harbor for Wind Power Operations and Maintenance. Infrastructure upgrades are in progress.
- Diverse Community: Home to independent commercial fishermen, tribal communities, and underrepresented groups – perfectly aligned with state's inclusivity goals.



# HOW THE ENERGY COMMISSION COULD HELP CCHD & OTHER SMALLER HARBORS

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1. Provide State funding to fulfill Federal match requirements for grants (PRC section 25666, Cat. III)
2. Streamline regulatory approvals and provide technical assistance with permitting.
3. Assist with project management.
4. Promote collaboration among large and small California ports and harbors.



# HOW THE ENERGY COMMISSION COULD HELP CCHD & OTHER SMALLER HARBORS

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5. Help to dispel myths about wind power impacts to fisheries and coastal communities.

6. Promote economic development of underserved and economically distressed communities through offshore wind power.





# THANK YOU

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