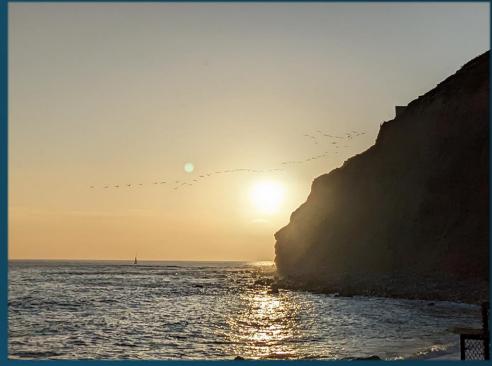


# Welcome! Thank you for joining us.







# South Orange County Regional Coastal Resilience Strategic Plan (SOCRCSP)



# Vicinity Map



# Strategic Plan Origins

#### Ocean Protection Council grant to OC Parks:

To develop a regional, collaborative strategic plan to facilitate implementation of projects to address coastal erosion in South Orange County.

• A survey was conducted asking stakeholders to identify and rank the greatest threats to coastal resilience.

Stakeholder Engagement Planning Meeting

December 2021

Meeting on the State of the Region

#### **March 2022**

- The survey results were presented to stakeholders.
- Potential solutions, funding, and governance models were described.

- Pros and cons of potential solutions, funding methods, and governance models were described.
- Attendees participated in an interactive "sticker exercise" to indicate their support, neutrality, or opposition to the presented elements.

Workshop to Gather Stakeholder Input on Plan Elements

**July 2022** 

# Summary of Stakeholder Feedback

sand and cobble beach beach nourishment multipurpose reef

ad hoc committee council governments

formalized coalition special district interagency meetings

Stakeholder Preferences Shoreline Trends

Sea Level Rise

Governance Structures

Preliminary Data Review Sand Sources

**Cost Data** 

Coastal Resiliency Plans

Funding Opportunities

Importance of Recreation

# Strategic Plan Chapters



# Plan Appendices



Meeting 1:

December 13, 2021, Stakeholder Engagement Planning Meeting



Meeting 2:

March 24, 2022, Meeting on the State of the Region



Workshop 3:

July 6, 2022,

Meeting to Gather Stakeholder Input on Plan Elements



Coastal Resources,

Processes, and Vulnerabilities



Sea Level Rise



Existing Projects and Programs



Governance Structure Approaches



Example Joint
Powers Agreement
and MOU/MOA

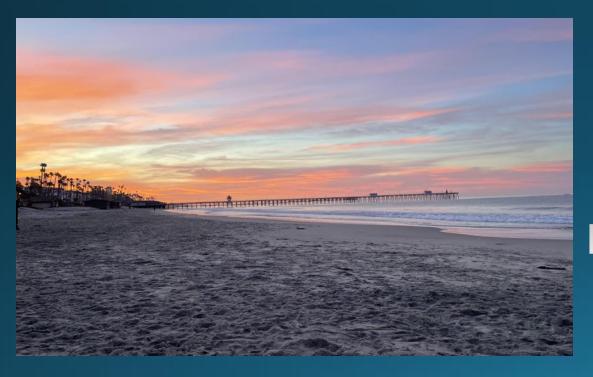


Economic Information



Summary of Grant Opportunities

# **Executive Summary**



The fundamental goal of the Strategic Plan is the formation of a Regional Collaborative to build coastal resiliency in the South OC region by reducing current and future risks from coastal erosion hazards from Dana Point Harbor to southern San Clemente.



#### **Recommended Action:**

Regional Collaborative formed through Memorandum of Agreement or Understanding (MOA/MOU)

# Collaborative Structure Analysis



#### Alternative 1:

Joint Powers Authority (JPA)



#### Alternative 2:

Local Collaborative (Ad-Hoc)



#### Alternative 3:

**USACE-Centered** 



#### Alternative 4:

Consultant- or Nonprofit-Led



#### Alternative 5:

**Individual Agency** 



### Regional Cost-Sharing Framework



Establishing a Cost-Sharing Account

# Funding Opportunities



**Grant Funding** 



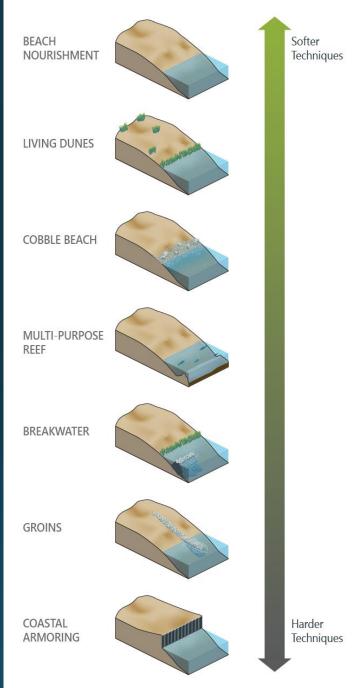
Local Hazard Mitigation Planning and Pre-Disaster Assistance



Impact Mitigation Fees



Transient Occupancy Tax or Sales Tax, Other?



# **Green-to-Gray Solutions**

- The green-gray scale ranks shoreline management strategies from green, nature-based solutions to gray or hard solutions.
- Based on stakeholder feedback, green solutions would generally be prioritized over more gray, hard solutions.

## **Consistent Support for Beach Nourishment**



Coordinate beach nourishment efforts



Optimize beneficial use of sand



Restore natural sediment supply



Strategically place sediment



Increase public beachbased recreation



Provide wave protection and minimizes storm damage



Support and enhances coastal resiliency projects



Provide an economic approach to coordinating projects



Advance <u>the State's</u> target for resiliency of 3.5 feet of SLR by 2050



Preferred by Cities of Dana Point, San Clemente and CCC

# Develop Projects Within a Regional Collaborative



Identify Critical Areas

• Build upon existing monitoring programs

Develop Sand Nourishment Programs

- Identify sediment sources
- Coordinate stockpile sites
- Create a program for regular sand delivery

Implement Sand Nourishment Programs  Prioritize the Implementation of sand nourishment projects for more narrow or critical areas

Évaluate Sand Retention and Other Approaches

 Evaluate more permanent adaptation measures that are specific to each area

Continue to Monitor, Study, and Maintain  Expand ongoing monitoring efforts as needed to evaluate effectiveness

# Priorities for Developing Projects

Project Readiness?

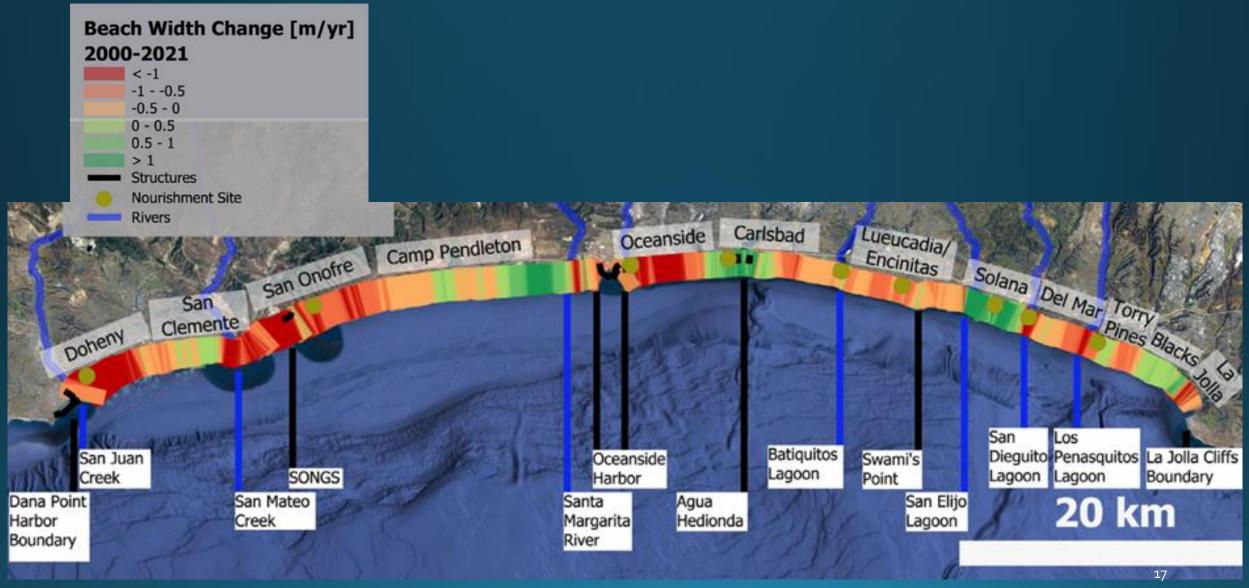
Nature-Based Solution?

Beach Condition (Critical Areas)?

Priority
Ranking
Of Project

Regional Benefit?

# Critical Shoreline Areas Identified



# egulatory



#### CEQA / NEPA Analyses



US Army Corps of Engineers: Clean Water Act Section 404 and Section 10 Rivers and Harbors Permits



US Fish and Wildlife, National Marine Fisheries Service, National Oceanic and Atmospheric Administration: Consultation on Endangered Species and Habitat



California Coastal Commission: Coastal Development Permit and/or Federal Consistency Determination



California State Lands Commission: Land Lease



Regional Water Quality Control Board: Section 401 Water Quality Certification



State Parks/HOAs: Right of Entry or Encroachment Permit or Authorization



Local Permits (Grading, Haul Route, or Coastal Development Permits)

# Cost-Benefit Analysis:

- Proposed Project Description and Costs
- Demographics
- Beach Attendance Data
- Shoreline Profile Data
- Critical Public Infrastructure
- Beach Amenities
- Project Benefits

## **Economic Benefits of Beaches**



- Space for recreation
- Business growth opportunities
- Property value benefits
- Support for critical public infrastructure
- Connection to other people in the region

# Regional Partners Recent Activity



Opportunistic Sand Placement



Doheny North Campground Upgrades



Regional Beach Sand Project III



Beach Width Measurements & Monitoring



Orange County Coastal Rail Resiliency Study



Nature Based Sand Retention Study

# Recommended Next Steps: Strategic Plan Implementation



Form a Regional Collaborative



Term
Comprehensive
Regional Beach
Nourishment
Program



Obtain Funding



Implement Priority Projects



Develop Midand Long-Term Regional Goals and Projects

# Opportunities for Feedback

County to receive input through April 15, 2024.

#### Provide feedback via:

- 1. Comment cards / written feedback to leave behind with us today.
- 2. Email at: SouthCoastalResilience@ocparks.com
- 3. Survey Monkey (post-meeting email from County).

## For More Information:



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# Thank you for your time!

