

Stephanie Rojas

From: Carolyn Krammer <carolnoceanside@cs.com>
Sent: Wednesday, March 11, 2026 1:53 PM
To: City Council
Cc: City Clerk; Carolyn Krammer; Shari Mackin; Toni Ross; Leslie Gaul
Subject: Council Item # 19 Coastal Resilience Investment

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Good afternoon council and Mayor Sanchez, While you are considering your further investment in Coastal Resilience, I caution you to not shoot yourself in the foot. Do not sacrifice the surfing community in exchange for sand and Coastal Resilience at all costs. When you destroy surf breaks it affects the economics of our city. Surfing is an asset and should be considered one of our greatest assets to protect in Oceanside. We are home to some of the most treasured beach breaks on the Southern California coastline.

This year we have had a meager showing of winter surf with the lack of waves except for one major northwest swell a month and a half ago. The past 2 winters (2023-24 and 2024-25) Oceanside was on fire with the best 2 winters. Last year we had south swells all the way into December and the year before the same. This year 2025-26, was a washout.

Our surf breaks at the pier (Super Girl) are dependent on the movement of sand to create our sand bars. Without that sand movement we will have no sand bars to produce the epic surf. We all want sand, but where we disagree is on how we get there.

Re-Beach will erect 2 groins (artificial headlands) and a reef in the middle that is for trapping sand and slowing down the wave energy. In essence when you slow down the swell energy you dissipate the swell - no waves. No energy = no waves. Super Girl and our surfing economics are dependent on our world class waves. Do not shoot yourselves in the foot.

From the NOP of the EIR:

*"The headlands would be constructed at the seaward terminus of Tyson Street and Wisconsin Avenue, respectively. The headlands would be designed to stabilize sand along the backshore and reduce, but not eliminate, the longshore transport of sediment in the project location. **The offshore reef would be located approximately 900 feet offshore, between the headlands, and would function to dissipate wave energy** and promote salient formation (i.e., sand deposition). Onshore nourishment would place sand sourced from an offshore borrow site (see Figure 2) along the beach from First Street (just south of the Oceanside Pier) to Oceanside Boulevard, while nearshore nourishment would supplement sediment in the surf zone."*

I am extremely disappointed that the EIR did not include alternative solutions like a sand by-pass system. And I am not talking about a system from in the harbor but a system that is used widely in Australia. A sand by-pass system from the Santa Margarita River to our Oceanside Beaches. Put the sand back on our beaches like it existed before the harbor. This will definitely take cooperation with the Federal Government (Mike Levin) and Camp Pendleton.

From the Case for Coastal Resilience Investment: Page 19:

"The construction of Camp Pendleton Harbor (Del Mar Boat Basin and adjacent structures) in the 1940's fundamentally altered this system. The Harbor jetties block the southward movement of sand, trapping large volumes on the north side of the harbor and starving the beaches to the south, including Oceanside's Strand. As a results, sand that would have naturally replenished Oceanside is intercepted, leaving the shoreline more vulnerable to wave attack, narrowing, and chronic."

Why in hell did an Australian company recommend groins when we already know what groins (hard structures) do to our coastline. We do not need to add more damage to a damaged system. The link below shows all the systems in Australia that are working and functioning.

- There are more than 35 regular sand bypass and transfer systems operating Australia wide.

<https://www.bing.com/ck/a?!&&p=32527c1555ce0885fb41f80b2758e00b8d46c09f8c42d0b99a58193d77e0e2d2JmltdHM9MTc2NzlyNTYwMA&ptn=3&ver=2&hsh=4&fclid=05e58c40-e78c-6e25-10ac-9f38e61e6f1c&u=a1aHR0cHM6Ly93d3cuc3dhc2hwZC5jb20uYXUvcmlvZmVyb3VvY2VzL3NhbmQtYnlwYXNzLWFWZC10cmFuc2Zlci1zeXN0ZW1zLWFWyb3VuZC1hdXN0cmFsaWEtbGVhcm5pbmdzLWJldHdIZW4tc2l0ZXMv&ntb=1>

Surf economics, or "Surfonomics", is a field that studies the economic value of surfing and waves:

- **What it is**

Surfonomics is a branch of natural resource economics that uses research and economics to quantify the value of waves to surfers and businesses. It also measures the non-market value of waves, which is how much people would be willing to pay to keep them.

- **Why it's important**

Surfonomics helps decision makers make choices to protect coastal resources and waves. Surfing is a non-extractive coastal resource, meaning that as long as the environment is protected, waves are a renewable resource.

- **How it works**

Surfonomics uses methods known as "non-market-valuation" to quantify the value of things that can't be bought or sold. For example, the value of surfing waves is only starting to be recognized by academics, policy-makers, and coastal planners.

- **Examples**

For example, in San Clemente, researchers calculated the consumer surplus for surfing at Trestles to be \$80 per visit. When multiplied by the 330,000 total annual visits, this resulted in an annual economic value of \$26 million.

- **Global market**

The global market for surfing is estimated to be \$4.2 billion in 2023 and is projected to reach \$5.5 billion by 2030.

- **Real estate**

Some say that the value of surfing is mostly in real estate near surf spots. People who live close to surf spots spend money on expensive homes, and the time it takes them to get to the beach is counted as zero.

When I moved to North County in 1978 it was because of the awesome surf that I was experiencing from surfing in the WSA and WISA surfing events in the 1970's. I have seen and experienced many changes over the years here in Oceanside and especially in our ocean waves. I love Oceanside and the sport of Surfing. Thank you for reading my concerns and comments. Carolyn Krammer, Oceanside Resident