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**State Science Information Needs Program**

**Cover Pages**

**Do NOT submit this form with the Letter of Intent (due on Tuesday, March 4, 2025, 5:00pm Pacific time)**

**Please submit with the Full Proposal (due on Tuesday, April 15, 2025, 5:00 p.m. Pacific time**

Applications received after the deadline will not be considered.

**ONE** copy of this **three-page** form must accompany each proposal. All information must be typed. This form must be included with the rest of the application materials in one single pdf file sent to [csucoast@csumb.edu](mailto:csucoast@csumb.edu).

| **Project Title:** |  | |
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| **Total amount of funding requested:** | |  |
|  | | |
| **Number of CSU campuses involved:** | |  |
|  | | |
| **Amount of funding requested for non-CSU co-PIs:** | |  |
|  | | |
| **Start Date:** | | February 1, 2026 |

| | **Lead Principal Investigator** | | | | | | --- | --- | --- | --- | --- | | Name: |  |  | Title: |  | | Campus: |  |  | Department: |  | | Phone: |  |  | Email: |  | |  | | | | | | **Co-Principal Investigator 1** | | | | | | Name: |  |  | Title: |  | | Campus: |  |  | Department: |  | | Phone: |  |  | Email: |  | |  | | | | | | **Co-Principal Investigator 2** | | | | | | Name: |  |  | Title: |  | | Campus: |  |  | Department: |  | | Phone: |  |  | Email: |  | |  | | | | | | **Co-Principal Investigator 3** | | | | | | Name: |  |  | Title: |  | | Campus: |  |  | Department: |  | | Phone: |  |  | Email: |  |   Cut and paste rows above to add additional Co-PIs |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

**Check the box(es) below to indicate the research objective(s) this proposal directly addresses:**

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| 1. **Impacts to Marine Mammals and Sea Turtles** | | | |
| **☐** | 1.1 | Determine spatial and temporal patterns of presence and abundance of marine mammals and sea turtles within and around the Humboldt and Morro Bay Wind Energy Areas (WEAs). | |
| **☐** | 1.2 | Create a multi-modal Passive Acoustic Monitoring Plan to understand distribution of species within and around the WEAs. | |
| **☐** | 1.3 | Evaluate the susceptibility of marine mammals and sea turtles to impacts, such as primary and secondary entanglement and vessel strikes, from floating OSW installations. | |
| **☐** | 1.4 | Examine the potential displacement or attraction of marine mammals and sea turtles relative to OSW activity locations. | |
| **☐** | 1.5 | Assess the efficacy of tagging as a potential method for detecting and quantifying behavioral responses in marine mammals and sea turtles in response to floating OSW construction activities. | |
| 1. **Impacts on Fish Species and Fisheries** | | | |
| **☐** | 2.1 | Assess the impact of low-energy, high-resolution geophysical surveys associated with floating OSW development on distribution and abundance of commercially and recreationally important fish and invertebrates. | |
| **☐** | 2.2 | Evaluate the fisheries socioeconomic impacts of floating OSW development and associated port development for small-scale, subsistence, and recreational fisheries, especially in rural and low-income coastal communities. | |
| **☐** | 2.3 | Evaluate the potential of floating OSW energy platforms, including mooring lines and inter array cables, to function as fish aggregating devices, haul-out structures for pinnipeds, and habitat for invertebrate colonization. | |
| 1. **Impacts to Benthic Environment** | | | |
| **☐** | 3.1 | Determine spatial and temporal patterns of benthic macrofaunal communities (e.g., species abundance, richness, diversity, assemblage structure, and relationship dynamics between macrofaunal communities and their associated environments) and identify sensitive habitats (e.g., corals, chemosynthetic systems) within and around the Humboldt and Morro Bay WEAs. | |
| **☐** | 3.2 | Determine buffer size to adequately protect sensitive habitats from floating OSW development impacts. | |
| 1. **Impacts to Birds and Bats** | | | |
| **☐** | 4.1 | Determine spatial and temporal patterns of presence and abundance of birds and bats that move through the Humboldt and Morro Bay WEAs. | |
| **☐** | 4.2 | Determine year-round movement patterns of birds and bats, using tags such as Motus or GPS as applicable, within and outside of the Humboldt and Morro Bay WEAs. | |
| **☐** | 4.3 | Evaluate the susceptibility of birds and bats to impacts, such as collision with turbine blades and other structures, from floating OSW installations. | |
| **☐** | 4.4 | Examine the potential displacement or attraction of birds and bats relative to floating OSW activity locations. | |
| **☐** | 4.5 | Assess the efficacy of Motus or GPS tags as a potential method for detecting behavioral changes in birds and bats in response to floating OSW construction activities. | |
| 1. **Other Floating OSW Research Questions** | | | |
| **☐** | 5.1 | Innovative proposals addressing state needs for scientific information on floating OSW outside of the priority research objectives listed above will also be accepted. A successful proposal must concretely demonstrate the relevance of the research project to state needs, including identification of specific state agencies that will benefit in the form of a detailed letter of support from said agency. | |

| **Grants Office Personnel Submitting Application on behalf of Lead PI** | | | | | | |
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| Name: | |  | | | Campus: | |
|  |  |  | | |  |  |
| Title: | |  | | | Grants Office URL: | |
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| Phone: | | |  | Email: | | |
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