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Diagram of current mooring, anchoring, and floating foundations from Maxwell et al., 2022.
Exhibit 1-3. Schematic of a Full-scale Floating Wind Energy Development

Source: Maxwell et al., 2022.
Exhibit 1-4. Subsea Cables and Cable Landings in the Vicinity of Morro Bay

Source: infrapedia.com
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Source: Blue Habitats via the California Offshore Wind Energy Gateway
Exhibit 2-1b. Habitat Areas of Particular Concern: Groundfish

Source: National Marine Fisheries Service via the California Offshore Wind Energy Gateway
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Source: NOAA, NMFS via the California Offshore Wind Energy Gateway
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Source: Hatfield and Tinker via the California Offshore Wind Energy Gateway
Utilization distribution shows the probability that a northern elephant seal is within any given cell of the map.
Source: Maxwell et al. 2013 via the California Wind Energy Gateway
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Source: Becker et al 2020 via the California Offshore Wind Energy Gateway

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Exhibit 2-3e. Blue Whale Core Use Areas

Source: Palacios via the California Offshore Wind Energy Gateway
Exhibit 2-3f. Humpback Whale Critical Habitat

Source: Robert O'Conner and Karen Kavanaugh via the California Offshore Wind Energy Gateway
Exhibit 2-3g. Biologically Important Areas – Baleen Whales

Gray Whale

Humpback Whale
Blue Whale

Source: Marine Geospatial Ecology Lab, Duke University via the California Offshore Wind Energy Gateway
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Exhibit 2-3i. Long Beaked Common Dolphin Density
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Exhibit 2-3q. Striped Dolphin Density

Source for Whale Density Maps: Becker et al. 2020 via the California Offshore Wind Energy Gateway
Exhibit 2-3r. Gray Whale Migration and Potential Presence Maps

<table>
<thead>
<tr>
<th>Potential Presence</th>
<th>Legend</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Morro Bay Wind Energy Area</td>
</tr>
<tr>
<td></td>
<td>Northbound - Phase A</td>
</tr>
<tr>
<td></td>
<td>Northbound - Phase B</td>
</tr>
<tr>
<td></td>
<td>Potential presence</td>
</tr>
<tr>
<td></td>
<td>Southbound - All</td>
</tr>
</tbody>
</table>

**Northbound Migration – Phase A**
(adults without calves)

**Northbound Migration – Phase B**
(females with calves)

**Southbound Migration – All**

Source: Jacobs via California Offshore Wind Energy Gateway
Exhibit 2-4. Leatherback Turtle Sightings, Critical Habitats, and Distribution

Source: Benson via the California Offshore Wind Energy Gateway
Exhibit 2-5. Seabird and Marine Mammal Considerations for Morro Bay and Humboldt WEAs

Exhibit 2-5a. Seabird Considerations

These maps combine multiple types of data into a single heatmap for seabirds in the Morro Bay and Humboldt WEAs. In the color ramp, purple represents fewer seabird considerations and green represents more seabird considerations. In both cases, there are more seabird considerations closer to the coast, and the Humboldt WEA has more seabird considerations than the Morro Bay WEA.

These maps combine multiple types of data into a single heatmap for whales in the Morro Bay and Humboldt WEAs. In the color ramp, purple represents fewer whale considerations and green represents more whale considerations. In both cases, the areas of highest whale considerations fall outside the WEAs. Higher whale considerations are further offshore than the Morro Bay WEA, and are closer to shore than the Humboldt WEA. Generally, the Morro Bay WEA has more whale considerations than Humboldt WEA.

Exhibit 2-6. Bird Density Maps

Source: Jeffery B. Leirness, CSS Inc., NOAA via the California Offshore Wind Energy Gateway

Exhibit 2-6a. Marbled Murrelet Spring/Summer Density

Spring

Summer
Exhibit 2-6b. Scripps's Murrelet Spring Density
Exhibit 2-6c. Brown Pelican Seasonal Density

Fall

Spring
Summer

Winter
Exhibit 2-6d. Pink Footed Shearwater Density

Fall Density

Spring Density
Summer Density
Exhibit 2-6e. Ashy Storm Petrel Spring/Fall Density

Spring

Fall
Exhibit 2-6f. Cassin’s Auklet Winter Density
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Exhibit 2-6u. Black Storm Petrel Summer Density
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Exhibit 2-6x. Important Bird Areas

Source: Audobon California via the California Offshore Wind Energy Gateway
Exhibit 2-6y. Bird Abundance Maps by Season

Winter

Spring

Summer
Note: The legend is based out of 100, with 0 having the lowest abundance and 100 having the highest.

Source: Dick et al. 2016 via the California Offshore Wind Energy Gateway
Exhibit 2-7. Comparison of Marine Frequency Hearing Ranges

Source: ES Environmental
Commercial and Recreational Fishing Exhibits

Exhibit 3-1. Greater WEA, Central Coast Fishing Blocks. used, in part, to calculate values in Appendix C

Source: CDFW Marine Region
Exhibit 3-2. Representation of WEA Impact Area

Source: NOAA
Exhibit 3-3. Groundfish Fishing Intensity

2010-2017 VMS Groundfish fishing intensity

Source: BOEM, Frank Pendleton. Displayed via OSW Databasin
Exhibit 3-4. Observed Fishing effort in the U.S. Pacific Coast Groundfish Fisheries: Catch Shares Pot

Top: 2011-2015

Bottom: 2016-2017

Source: NOAA Displayed via OSW Databasin
Exhibit 3-5. Observed fishing effort in the U.S. Pacific Coast Groundfish Fisheries: Catch Shares Hook-and-Line

2011-2017

Source: NOAA Displayed via OSW Databasin
Exhibit 3-6. Salmon Fishing Intensity 2010-2017

Source: BOEM, Frank Pendleton. Displayed via OSW Databasin
Exhibit 3-7. Average, quarterly species distribution predictions for anchovy (Engraulis mordax) in the California Current System

1995-2018

Q1

Q2

Q3
Source: NOAA SWFSC trawl surveys. Processed by CBI and displayed via OSW Databasin

Source: CDFW

Source: NOAA fisheries/CDFW via CBI OSW Databasin
Exhibit 3-10. Point Density of North Pacific Albacore Trolling Fleet

1995-1999

2000-2005
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2006-2010

2011-2016

Source: CDFW via OSW Databasin
Exhibit 3-11. VMS Dungeness Crab Fishing Intensity 2010-2017

Source: BOEM, Frank Pendleton. Displayed via OSW Databasin

Source: CDFW via OSW Databasin.
Exhibit 3-13. CPFV Recreational Fishing Effort 1980-2020 by Block

Source: CDFW
Exhibit 3-14. Essential Fish Habitat Map, Central Coast, Groundfish FMP

Source: Pacific Fishery Management Council
Exhibit 3-15. VMS Pink Shrimp Fishing Intensity 2010-2017

Source: BOEM, Frank Pendleton. Displayed via OSW Databasin
Exhibit 3-16. Morro Bay Hours to port, inspired by North Coast Fishermen’s Mapping Project

Created by CA Coastal Commission Mapping Unit (credit: Alanna Casey).
Coastal Hazards Exhibits

Exhibit 4-1. AIS Shipping Vessel Traffic 2017

All Vessels

Cargo Vessels
Tugs/Tows

Source: BOEM via the California Offshore Wind Energy Gateway
Exhibit 4-2. Significant Wave Height

This map provides wave height in meters, the Morro Bay WEA has a significant wave height of 2.0-2.5 meters or 6.5 to 8.2 feet.

Source: NREL/Virginia Tech via Databasin
Exhibit 4-3. Geologic Faults Within WEA

Source: Department of Conservation via the California Offshore Wind Energy Gateway
Scenic and Visual Resources Exhibits

Exhibit 5-1. Map of State Parks near the WEA

State Park Locations in the Big Sur and San Luis Obispo Areas

Source: California Department of Parks and Recreation
https://csparks.maps.arcgis.com/apps/webappviewer/index.html?id=f96a883ff4154455b23bdc119f4574a9
State Park Locations Near Morro Bay

Source: USGS National Map
Exhibit 5-2. Visual Simulations

Proposed Morning View

Proposed Midday View
CD-0004-22 (BOEM) Exhibits

Proposed Late Afternoon View

Proposed Nighttime View

Source: BOEM, ESS Group, and State of California
Tribal and Cultural Resources Exhibits

Exhibit 6-1. Map of Predicted locations for possible submerged cultural resources

Source: ICF International 2013
Environmental Justice Exhibits

Exhibit 7-1. CES 4.0 Population Characteristics near WEA

*Population Characteristics from CES 4.0 is made up of indicators from the Sensitive Populations and Socioeconomic Factors including: rates of asthma, Cardiovascular disease, Low birth weight, education, housing burden, linguistic isolation, poverty, and unemployment.
Exhibit 7-2. CalEnviroScreen 4.0 near WEA
Exhibit 7-3. AB 1550 Low-income Communities near WEA

*AB 1550 Low-income are identified as households with median incomes at or below 80% the statewide median income or with median household incomes at or below the threshold designated as low-income by HCD's State Income Limits.