

California Offshore Wind Projects 2024 in Review

Offshore wind companies year of progress, investment, and engagement in California



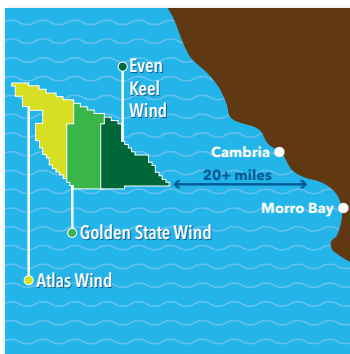
California offshore wind advanced significantly in 2024 as the industry continued to invest in the state's growing offshore wind market. The industry is poised to continue its growth in 2025, building on key successes and the strength of the California market. Working with stakeholders across the state, leaseholders are prepared to build projects that capitalize on California's strong and consistent coastal winds to provide clean and reliable energy at scale while contributing to California's goal of 100% clean energy by 2045.

Offshore wind leaseholders are committed to responsible surveying and prioritizing environmental stewardship and marine life protection by collaborating with tribal communities, conservation groups, fisheries, and front-line communities, among others.

About California's Offshore Wind Projects

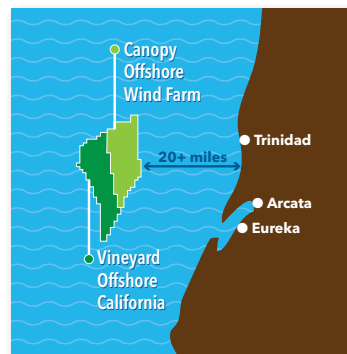
In late 2022, the Bureau of Ocean Energy Management (BOEM) finalized the first leases for offshore wind projects in California. In total, **five companies secured federal leases** that included bidding credits of **\$170 million** qualified towards **community benefit agreements, workforce programs, and domestic supply chain development needs** across all five projects.

California's five projects, each with the potential to generate up to 2,000 MW of offshore wind power, are in two designated Wind Energy Areas located more than 20 miles offshore from the coasts of San Luis Obispo County and Humboldt Counties.



Central Coast Projects

- Atlas Wind
- Even Keel Wind
- Golden State Wind



North Coast Projects

- Canopy Offshore Wind Farm
- Vineyard Offshore - California

California Offshore Wind Market Milestones

The last twelve months have seen tremendous progress for offshore wind in California, setting up the industry for sustained growth and economic opportunities for many years to come. **Key milestones on energy transmission, planning, and procurement** have positioned offshore wind to become a **reliable and affordable cornerstone of the state's clean energy portfolio**.

May:

CAISO approved a plan for key transmission upgrades to deliver offshore wind power from the North Coast to the greater California grid.

May:

The offshore wind industry convened in Sacramento for the Pacific Offshore Wind Summit to discuss important topics facing the burgeoning industry.

July:

CEC approved a pathway for building 25 GW of offshore wind by 2045, adopting the AB 525 Strategic Plan.

August:

CPUC finalized a central procurement decision identifying a need for up to 7.6 GW of offshore wind energy to be procured to come online by 2037.

2024 Community Highlights

California's offshore wind leaseholders are **dedicated community partners** actively working alongside local communities **from the earliest planning phases through decades of construction and operations**. Here are some of their most notable local collaborations, partnerships, and project advancements in 2024:

Offshore Wind and Tribal Nation Leaders Support Marine Sanctuary Designation

In 2024, Central Coast Leaseholders and the Northern Chumash Tribal Council announced joint support for the designation of the Chumash Heritage National Marine Sanctuary (CHNMS) that enables offshore wind projects access to Diablo Canyon infrastructure. This action reflects the collaborative work of many toward shared goals of environmental conservation, preserving historical cultural resources, and advancing California's energy transition.

The sanctuary received its final federal approval toward final designation alongside the release of the CHMNS Management Plan on October 11. In celebration, local Tribes, community members, elected officials, and offshore wind industry leaders gathered in Pismo Beach to celebrate Indigenous People's Day and the years of advocacy that have made the designation of CHNMS a reality.

Advancing and Investing in Port Infrastructure

Port of Humboldt: The year kicked off with the announcement that Humboldt Bay Harbor, Recreation, and Conservation District will receive \$426.7 million in federal funds for port infrastructure. The investment enables the Port of Humboldt to create high-paying jobs supporting the offshore wind industry. Local Congressman Jared Huffman toured the future site of Port of Humboldt's offshore wind infrastructure with Interior Secretary Deb Haaland and Acting Labor Secretary Julie Su in March and Southern California Congressman Adam Schiff in September to learn more about its key role in constructing, assembling, and maintaining offshore wind turbines in the decades to come.

Port of Long Beach: On September 30th, Governor Newsom signed AB 2235, authored by Assemblymember Lowenthal, allowing the Port of Long Beach to streamline the design and construction of Pier Wind, a proposed 400-acre terminal to facilitate the assembly and deployment of floating offshore wind turbines. AB 2235 will reduce costs and accelerate the timeline to complete the proposed Pier Wind project, which would be the largest facility offshore wind facility of its kind in the United States.

Community and Stakeholder Partnership Activities

- Leaseholders supported the launch of the Pacific Offshore Wind Consortium (POWC), a collaboration between three collegiate research centers for offshore wind science.

- All three Central Coast leaseholders released a Joint Native American Tribal Communications Plan and all three leaseholders released their Fisheries Communications Plans and Agency Communications Plans per regulatory requirements.



- Canopy Offshore Wind formed an early partnership with the State Building Trades and committed to creating career opportunities for local communities and Tribal nations.
- Vineyard Offshore opened an office in Eureka where it hosts regular office hours open to the community, and also hosts regular dock hours in Humboldt County to engage the local fishing community.
- Even Keel Wind participated in the REACH - CPUC Central Coast Roundtable discussion and sponsored the San Luis Obispo Chamber of Commerce's Insight Studio Program.
- Vineyard Offshore hosted Humboldt community members and tribal representatives on an educational trip to the New Bedford OSW terminal and Vineyard Wind 1 project site in Massachusetts.
- Golden State Wind staff volunteered at Project Surf Camp, a nonprofit organization designed specifically for individuals with special needs, this July in Morro Bay.
- RWE and Vineyard Wind sponsored scholarships for the Maritime Institute's Captain's Course in Humboldt Bay for vessel operator training.
- Equinor hosted California state officials at its South Brooklyn Marine Terminal during New York City's Climate Week.

Project Progress - Surveying

- Golden State Wind** launched geophysical survey activities in federal waters in Q3 of 2024, hosting Native American Tribes, labor organizations, state and federal agencies, and local press in partnership with Port Hueneme to tour the Go Adventurer Survey Vessel while in port.
- Atlas Wind** safely completed its geophysical surveys utilizing advanced technologies, including autonomous underwater vessels (AUVs) for seafloor assessment, hosting six tours of the Island Pride survey vessel for stakeholders to see the vessel, monitoring technologies, and data collected in real time.
- Even Keel Wind** expects to commence site investigation activities for the project area as early as 2025.
- Canopy Offshore Wind** completed its first round of site investigation surveys, using the advanced technology of an underwater autonomous vehicle to safely capture data. Prior to site investigation, Canopy sponsored Protected Species Observer (PSO) training that led to global certification for 19 locals to increase workforce opportunities for individuals who possess local and Indigenous knowledge.
- Vineyard Offshore - California** plans to begin geophysical surveys and anticipates initiating surveys in 2026.

