



Offshore Wind



California is the most regulated place on the planet. ESA brings the experts you need to move your offshore wind project forward.

Founded in 1969, coastal resource planning and regulatory permitting and management are ESA's specialties. We are a leading environmental consulting firm with more than 50 years of experience in California and the Western United States.

Our team brings an ideal combination of technical expertise specific to the coastal environment, on- and offshore energy and transmission infrastructure, and necessary environmental reviews and regulatory permitting to successfully implement projects within the Morro Bay and Humboldt Wind Energy Areas (WEAs).

Our extensive energy project portfolio along the coast of the western United States demonstrates our clear understanding of regulated environment and challenges to successfully bring CA offshore wind projects to commercial operation.

Environmental Science Associates
esassoc.com

ESA BY THE NUMBERS

1.3 GW

OF SUCCESSFUL WIND
ENERGY PROJECTS

8

CEQA/NEPA REVIEWS
COMPLETED FOR ONSHORE
WIND PROJECTS

3

OFFSHORE PROJECTS
UNDERWAY

3

WEST COAST
PORT PROJECTS

13

WEST COAST
OFFICE LOCATIONS

Key California Projects



**Fountainwind Energy EIR,
Humboldt County**



**California Floating Wind
Demonstration Project, Santa
Barbara County**



**Pacifica Beach Boulevard
Infrastructure Resiliency and
Climate Change Data Collection**



Photo credit: BOEM

**BSEE California Marine Energy
Infrastructure Cultural Assessment**



**Port of Long Beach On-Call
Environmental Consulting Services**



**Climate Change Adaptation Project,
San Francisco**

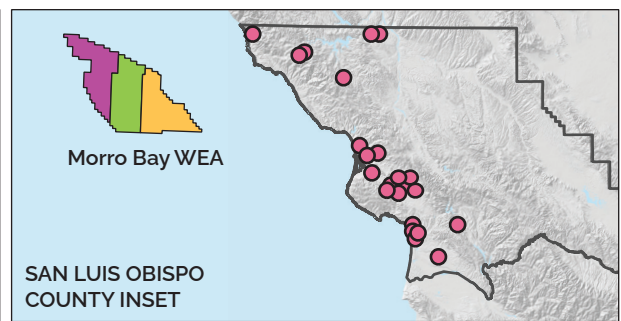
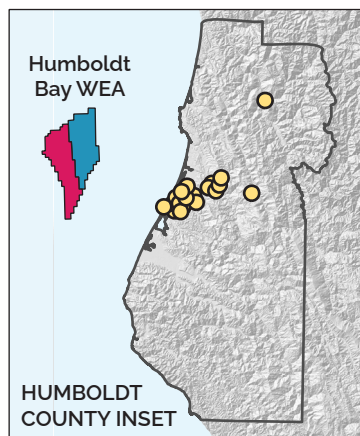
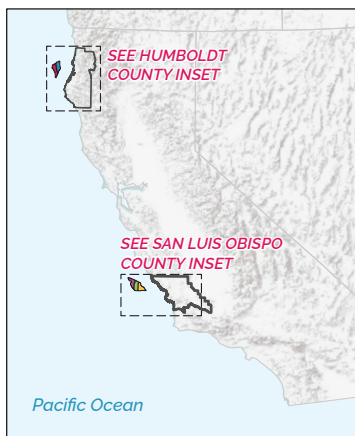
Local Experience in WEAs

HUMBOLDT BAY WIND ENERGY AREA

We have worked on more than 20 projects in Humboldt County in recent years including the City of Eureka General Plan Update EIR and undertaking NEPA and CEQA evaluation for the Klamath River Rural Broadband Initiative for the California Public Utilities Commission.

MORRO BAY WIND ENERGY AREA

We are currently working on projects along the California coast and offshore near Morro Bay, including the evaluation of seven offshore oil platforms as historic properties under Section 106 of the National Historic Preservation Act (NHPA).



- ESA Projects within the Humboldt Area
- ESA Projects within the San Luis Obispo Area

The Right Team

ESA has assembled a team of senior experts—from former lawyers to federal and state regulatory managers to NEPA/CEQA experts—that make big energy projects happen.

Our understanding of agency requirements, particularly for the State Lands Commission, Coastal Commission, California Energy Commission and California Public Utilities Commission, provides offshore wind lease holders with the right team for this important step in decarbonization.



SHARON NIEMCZYK
Energy Market Leader



JIM O'TOOLE
ESA Practice Director and Senior Vice President



TONY OVERLY, RPA
Cultural Resources Leader, Former CA State Arch. at BLM and Section 106 expert



We have worked with nearly **every regulatory agency in California** and bring this experience to our clients and partners.

Getting through the regulatory process involves an in-depth knowledge of the local species, historical and cultural resources, and community concerns. ESA has you covered.



With **117 biologists** in California, we offer vast special-status species knowledge.



We have nearly **100 cultural resources** team members in California with familiarity of the state's heritage resources, including Practice Leader Tony Overly, RPA, who is incoming President for the 1,100-member Society for California Archaeology.



Our nearly 50-person team of hydrologists includes **9 coastal engineers**, including former California Coastal Commission staff.



ELIJAH DAVIDIAN
Principal Coastal Planner, former Cal. Coastal Commission staff



MIKE MANKA
Senior Energy Project Director



MEREDITH PARKIN, JD, PMP
Understands legal team needs and mindset



DAN SWENSON
Wrote US Army Corps nationwide permit for east coast offshore wind



JANNA SCOTT, JD
Legal expert with a decade as a practicing attorney

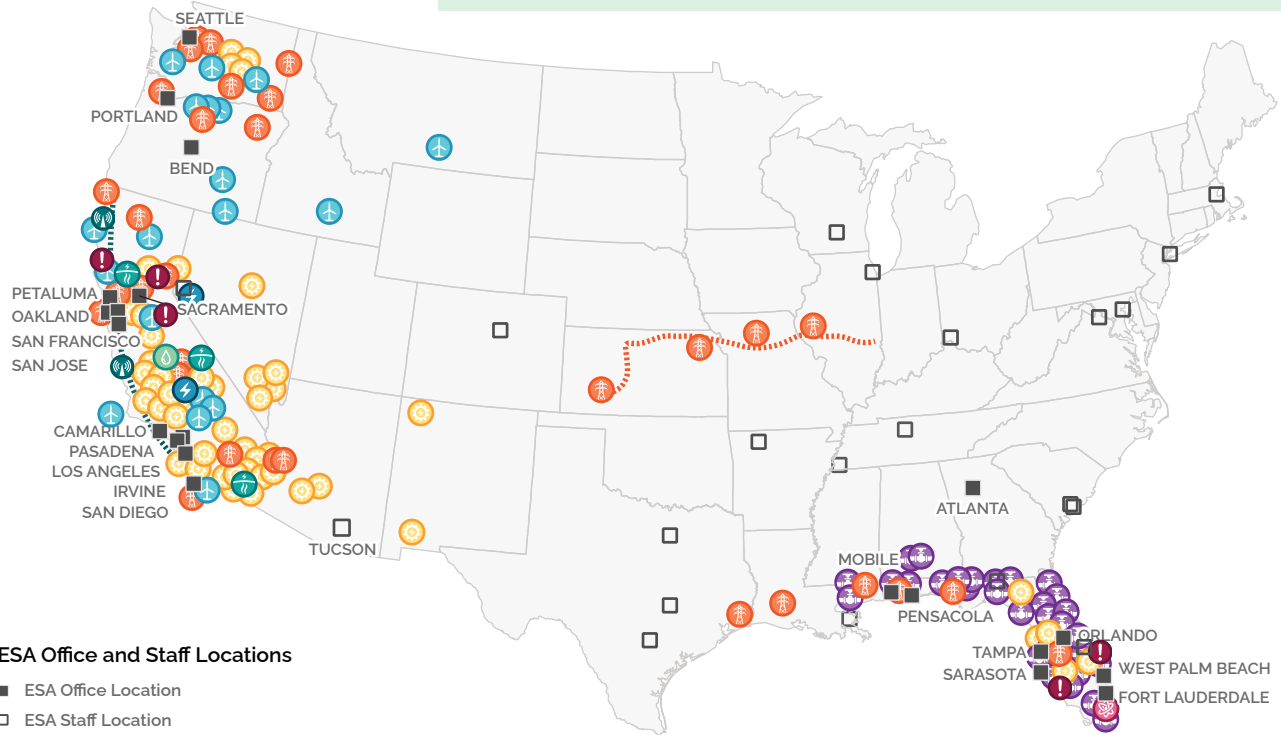


MATTHEW RUSSELL, RPA
Maritime archaeologist



ESA has consulted on more than **100 energy projects**.

We have been consulting in the energy market since the 1980s, and below are some of our recent projects across geographies and subsectors.



ESA Office and Staff Locations

- ESA Office Location
- ESA Staff Location

Energy Project Experience

- ⚡ Battery Storage
- 🌋 Geothermal
- 💧 Hydrogen
- 🔥 Natural Gas Pipeline
- ☢️ Nuclear
- ☀️ Solar
- ⚡ Transmission
- 🌬️ Wind
- ⋯ Transmission Line Path

Other Project Experience

- 🚨 Emergency Response
- 🌐 Broadband
- ⋯ Broadband Cable Line Path

We Do It All

Our depth and breadth of technical expertise contributes to our **68% of work with repeat clients**. Here are some ways we help our clients succeed in the energy market.

- Air Quality & Noise
- Baseline Environmental Studies
- Biological Resources
- CA State Lands Leases
- CDFW 1602 Streambed Alteration Agreement
- CEQA and NEPA Compliance Documentation
- Coastal Development Permits
- Compliance Plans
- Construction Monitoring
- Consistency Determinations and Certifications

- Cultural and Architectural History Resources
- CWA Section 404 Permitting and Section 401 Certification
- DOE Loan Guarantee Program
- Early Stage Development Support
- Endangered Species Act Section 7 Consultation
- Environmental Constraints Analysis
- Environmental Due Diligence
- Environmental Justice Analysis
- High Resolution Digital Imagery Analysis & Technological Support

- Local Coastal Permitting
- Mitigation Monitoring and Reporting
- NHPA Section 106 Consultation
- Permit and Construction Compliance
- Rivers and Harbors Act Section 10 Permitting
- Stormwater Design
- Tribal Consultation
- Visual Simulations & Analysis
- Wetlands and Water Resources