



# Energy

**ESA partners with clients and communities to drive sustainable, resilient, and equitable solutions that shape a better world.**

Since ESA's founding in 1969, our team of scientists, planners, historians, archaeologists, engineers, designers, and technical specialists have provided in-depth analyses and regulatory know-how for our clients in the energy realm. Innovative solutions for renewable energy and transmission projects align with our firm's overall mission, inspiring and exciting our employee-owners from coast-to-coast. From regulating agencies to private renewable energy producers, ESA helps clients provide affordable, reliable, trusting, and accessible energy services to communities.

**We have experience working across the country:**



**Battery Storage**



**Geothermal**



**Hydrogen**



**Natural Gas Pipeline**



**Nuclear**



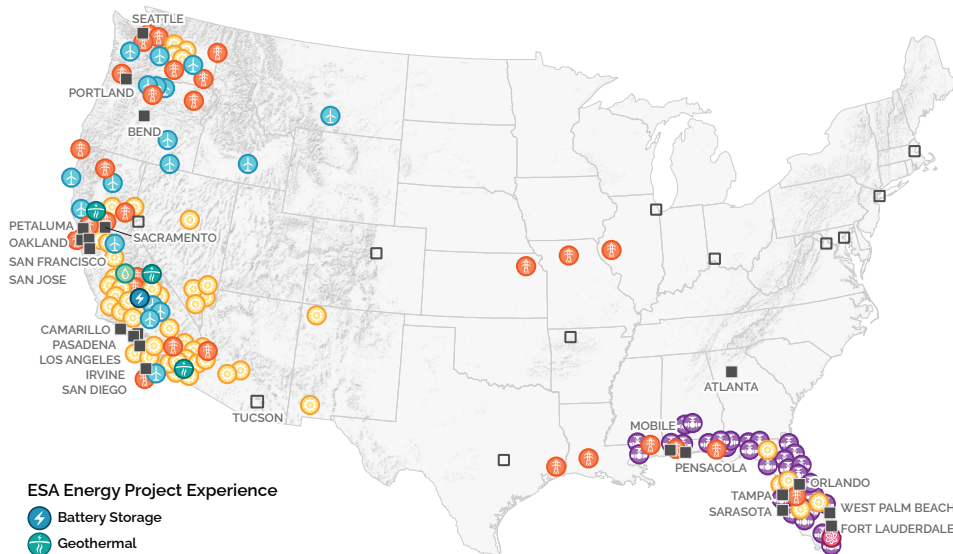
**Solar**



**Transmission**



**Wind**



#### ESA Energy Project Experience

- Battery Storage
- Geothermal
- Hydrogen
- Natural Gas Pipeline
- Nuclear
- Solar
- Transmission
- Wind

#### ESA Office and Staff Locations

- ESA Office Location
- ESA Staff Location

## Select Client List

Algonquin Power & Utilities Corporation  
Bechtel Corporation  
Bonneville Power Administration  
California Public Utilities Commission  
California State Lands Commission  
Clean Path Energy Center  
Clearway Energy  
County of Fresno  
County of Kern  
EDP Renewables  
ERC Capital  
First Solar  
Florida Power & Light Company  
Global Broadband Solutions  
Horizon Wind Energy  
Invenergy  
Lendlease Energy Development  
NextEra Energy Resources  
Ormat Nevada, Inc.  
Recurrent Energy  
Renewable Resources Group  
Sacramento Municipal Utility District  
Seattle City Light  
Solar Frontier Americans Development  
SunPower Corporation  
Tampa Electric Company  
The Nature Conservancy  
US Bureau of Land Management  
Wellhead Energy



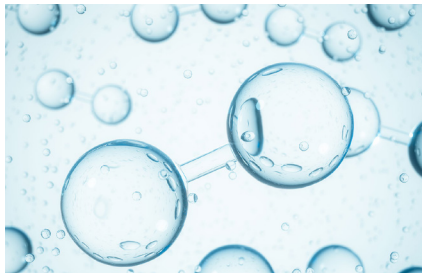
Our **650+ employee-owners** allow us to be nimble and responsive.

# On the Boards

ESA works at all stages: **preliminary design studies, environmental investigation, documentation, permitting and environmental construction compliance** process. Here are some exciting projects that our team is currently working on.

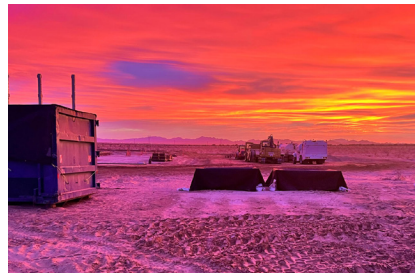


We have consulted on more than  
**100 energy projects**  
in the last decade.



## HEARTLAND HYDROGEN PROJECT

With the capacity to generate 30 metric tons of liquid green hydrogen per day via solar photovoltaic energy generated onsite and reclaimed water from the City of Mendota, the Heartland Hydrogen project is the first of its kind proposed at utility scale on the West Coast.



## CRIMSON SOLAR BATTERY ENERGY STORAGE SYSTEM

This system's 350 MW of battery-stored power to support will support the growing region of Southern California, harnessing and storing solar power for local utility companies.



## TEN WEST LINK ELECTRICAL TRANSMISSION LINE ARCHAEOLOGICAL MONITORING

The new 500kV power line will improve transmission system efficiency and reliability, while facilitating development of new renewable energy and energy storage resources in Arizona and California.

# 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

Baseline Environmental Studies

Biological Resources

CDFG 1602 Streambed Alteration Agreement

CEQA and Other State Environmental Documentation

Compliance Plans

Conditional Use Permit Applications

Constraints Analysis

Construction Monitoring

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 Documentation

Environmental Due Diligence

High Resolution Digital Imagery Analysis & Technological Support

Mitigation Monitoring, Reporting, and NEPA Documentation

NHPA Section 106 Consultation

Noise, Shadow Flicker, and Visual

Permit and Construction Compliance

Permitting Support

Stormwater Design

Wetlands and Water Resources