

CLIMATE CHANGE ACTION

ASSESSMENT, ADAPTATION, AND MITIGATION



EA is a 100% employee-owned public benefit corporation that provides environmental, compliance, natural resources, and infrastructure engineering and management solutions to a wide range of public and private sector clients. Many operational and design decisions facing our clients will be significantly affected by statistically documented changes in a variety of weather and climate variables. Headquartered in Hunt Valley, Maryland, EA employs more than 625 professionals through a network of more than 25 commercial offices across the United States and its territories. Our holistic approach to problem solving for clients, combined with the firm's interdisciplinary nature and range of expertise, support a harmonized framework for applying mitigation and adaptation solutions across federal, state, municipal, and private markets. In business for nearly 5 decades, EA has earned an outstanding reputation for **technical expertise, responsive service, and judicious use of client resources.**

Learn More About EA's Capabilities:



Services

 Natural Resource Assessments	 Engineering Design	 Ecosystem Services & Habitat Restoration	 Permitting	 Site Characterization & Remediation	 Construction Oversight/Long-Term Monitoring	 Stakeholder Coordination/Public Meetings	 Planning/Risk Analysis, and Modeling	 Sampling and Analytical Laboratory Testing
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Project Types



Assessment

- Data collection
- Modeling
- Risk and vulnerability assessments
- Resilience assessments
- Climate justice
- Cultural resource studies



Mitigation

- Greenhouse gas reduction and reporting
- Climate action plans
- Composting and solid waste management strategies
- Renewable fuels and electrification
- Renewable energy and efficiency



Adaptation

- Resiliency planning
- Nature-based solutions
- Green infrastructure
- Floodplain studies
- Stormwater management
- Fish passage and dam removal
- Ecosystem design and habitat restoration
- Guidance development

Contact Us



Chris Anderson
Director, Climate Change
c: 402-817-7615
e: canderson@eaest.com



Sam Whitin, CERP
Director, Coastal Resilience
c: 401-287-0375
e: swhitin@eaest.com

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NATIONWIDE
www.eaest.com



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National Presence. Regional Connections.

● PROJECT LOCATIONS ● OFFICE LOCATIONS



Port of Seattle

Under an on-call sustainability and restoration contract, EA led a team that has provided the port with a host of services focused on mitigating and adapting to climate change, including preparing the Port's Maritime Climate Change Action Plan, which recommends a host of greenhouse gas reduction and resilience strategies.



National Park Service

The San Juan Island National Historical Park, which has long been inhabited by indigenous people, is experiencing erosion along several stretches that will require the development of shoreline protection, including the English Camp site along the northwestern edge of the island. Shoreline protection possibilities were developed and reviewed to identify options that could be implemented, considering the cultural and historic needs of the site. The EA team assessed vulnerabilities due to sea level rise and provided a rough order of magnitude cost for shoreline protection options, which included nature-based solutions.



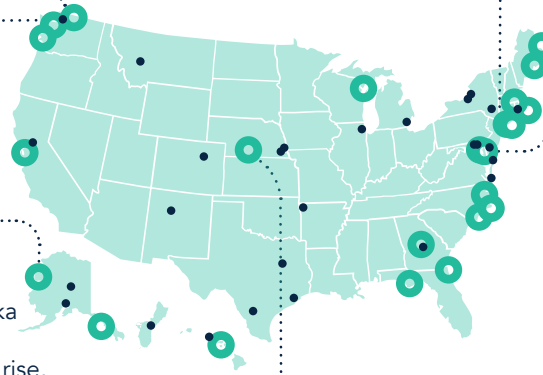
New York State DEC

EA completed a climate resilience assessment to evaluate potential climate impacts and adaptation measures for a major remedial design and construction project at the Former Dzus Fastener Company Inactive Hazardous Waste Site. As a result of the vulnerabilities review, the design team produced a climate resiliency assessment that outlined both coastal and upland strategies and measures.



Point Hope

With an elevation of just 13-18 feet above mean sea level at its highest points, the City of Point Hope, Alaska is highly vulnerable to the effects of climate change, especially sea level rise, loss of shore-fast sea ice and permafrost, and increases in the size of storm surges, which are all accelerating erosion. EA is supporting the City of Point Hope through scientific data collection, collection of traditional ecological knowledge, vulnerability assessments, and development of nature-based engineering designs related to coastal resilience and adaptation.



Ballenger-McKinney WWTP

EA provided engineering support for the installation of an approximately 1.3-megawatt DC photovoltaic (PV) solar array and battery energy storage system at the Ballenger-McKinney Wastewater Treatment Plant (WWTP). The fixed-tilt PV panels offset approximately 17% of the plant's power requirements. In the event of a complete power outage, the battery storage system ensures operation of critical equipment and systems to prevent sewer overflows for up to 4 hours.



Nebraska Army National Guard

EA worked with Sundance Consulting, Inc. to provide the Nebraska Military Department with an updated comprehensive Integrated Wildland Fire Management Plan that includes all state Army National Guard training facilities. The goal was to recognize the probability of wildfire occurrence, fire frequency, and severity in the state of Nebraska.

