



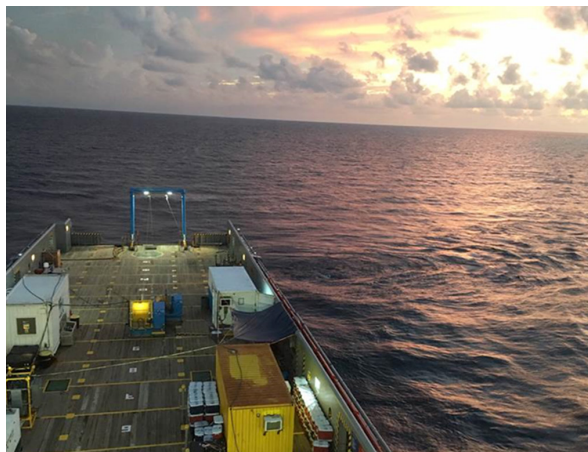
EIS Project, Telecommunications Industry Caribbean Sea



Beach Sand Nourishment EIR/EA San Diego, California



Offshore Renewable Energy Certificate Application Support, New Jersey



Mexico Offshore

IAP Services

- Project Feasibility and Strategic Permitting Analyses, Siting, Screening, Scoping and Alternative Analyses
- Environmental and Social Baseline Studies and Literature Reviews, including Archaeological, Cultural, Biological, Chemical and Physical Resources Reviews, Surveys and Mapping
- Required regulatory environmental documentation prepared according to Federal, State and Provincial requirements (NEPA, CEQA, SEPA, SEQA, etc.)
- Internally mandated commercial or regulatory driven Environmental, Social and Health Impact Assessments (e.g. EIA, ESIA, ESHIA)
- Community Involvement, Public Outreach, Indigenous Stakeholder Engagement and Resettlement Plans
- Regulatory Permitting and Government Liaising
- Biodiversity and Ecosystem Service Valuation
- Visual Impact Assessment and Simulations
- Noise Impact Assessment and Sound Source Modeling
- Fate and Effects, Transport and Dispersion Modeling (Air and Water)
- Mitigation Planning, Construction Inspection and Monitoring, Operations Compliance
- Program Management for Large, Multidisciplinary Projects and Programs



Climate Change Services

- Adaptation - Vulnerability Assessment, Adaptation Plan/Strategy, Design, Implementation
- Mitigation - GHG Inventory, GHG Reduction Strategy, Renewable Energy, Implementation
- Recovery - Disaster Preparedness, Disaster Response, Disaster Recovery, FEMA funding access



Hydroelectric Plant Quebec Canada

Value-Added Differentiators

- **Environmental Leaders and Practitioners** – over 1,300 staff across the Americas with experience and technical expertise in every environmental Impact Assessment and Permitting issue area.
- **Protected Species Experts** who perform species-specific surveys, reports, permitting & mitigation planning
- **Environmental Management and Monitoring Team**, specializing in fit-for-purpose large-scale environmental field projects for impact assessment, monitoring & mitigation plans
- **Fully Integrated Services** – Assess project’s full life cycle from planning & design through construction to decommissioning & restoration
- **Geographic Proximity** – Local & regional resources & expertise throughout the Americas
- **Strategic, Planning, Problem Solving and Solutions Development** – Project permitting guidance and strategy development - pre and post construction, to achieve project and economic goals



Client Support

With a broad range of client support to government, industry and commercial clients, AECOM can help clients resolve environmental problems from greenfields to brownfields, coastal to inland, small to large.



**GOVERNMENT** – Federal, state/provincial and municipal



**INDUSTRY/COMMERCIAL** – Manufacturing, agri-business, pulp/paper, petrochemicals, pharmaceuticals, technology/communications, steel, airlines, aerospace engineering, fiber optic telecommunication



**ENERGY** – Solar, wind, geothermal, fossil- and biofuels, nuclear, and hydropower; oil & gas exploration, production, refining, pipelines, and marine terminals; electric transmission

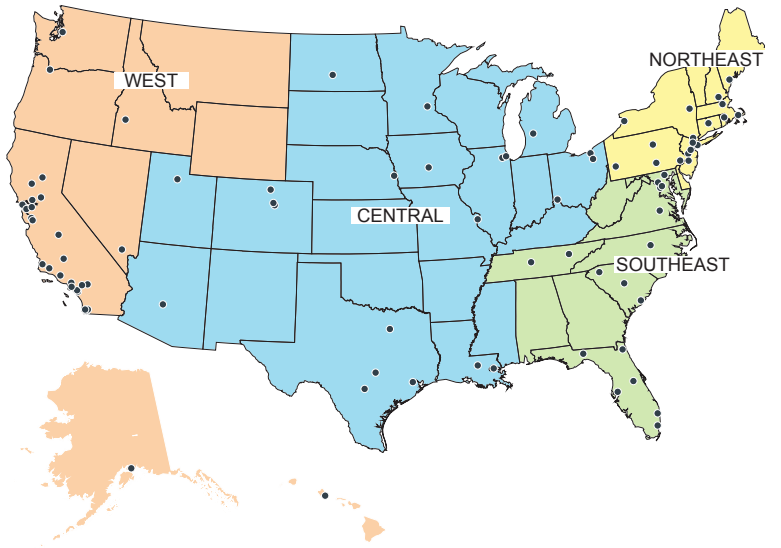


**PUBLIC INFRASTRUCTURE** – Highways, airports, railways, dams, bridges



**WATERFRONT** – Dredging/disposal, port authorities, private terminals and docks, contaminated sediments, and marinas

IAP Locations



REGION	# IAP STAFF
WEST	453
CENTRAL	216
NORTH EAST	264
SOUTH EAST	122
CANADA	265
LATIN AMERICA	30
TOTAL AMERICAS	1,350



For More Information



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## Tools and Resources

- Innovative Electronic Field Data Collection with Web-based GIS Database allowing for Real-time access to survey data with increased efficiency and quality over traditional collection methods
- Public Comment GIS Smart Tool for EIA/EIS and Processes
- Web-based Administrative Records System and Web-based EIS Comment Management System
- Project Websites with Interactive GIS Viewer for Client Collaboration
- Stakeholder Outreach Tools utilizing Social Media and other Platforms to increase effectiveness
- Construction Inspection Reporting System (CIRS) with BYOD functionality allows for real-time and transparent regulatory agency reviews of construction inspection and monitoring
- eDNA sampling involves ecological field studies in and along water courses, that reduce bias and provide confidence in proof of absence, enabling scientists to determine the presence of species that are rare or difficult to identify.

## Technical Practice Groups

- **IMPACT ASSESSMENT & PERMITTING** – A forum for impact assessment managers and staff of EISs, EAs, ESHIAs, SEAs, EIAs.
- **MARINE ENERGY PERMITTING & ASSESSMENT** – A forum for marine environmental and engineering professionals working on offshore energy projects.
- **CULTURAL RESOURCES** – A forum for archaeologists and architectural historians involved in the inventory, evaluation and monitoring of cultural resources.
- **PROTECTED SPECIES** – A forum for botanists, wildlife and fisheries biologists who protect rare plant and animal species.
- **WETLANDS PERMITTING AND RESTORATION** – A forum for hydrologists, engineers, hydrogeologists, wetland specialists, marine scientists who protect our regulated water resources.
- **O&G MIDSTREAM** – A forum for an integrated team of scientists, planners and engineers that site, permit, inspect and monitor pipeline facilities and assist with operation, maintenance and compliance.
- **ACOUSTICS** – A forum of scientists specialized in the field of acoustics that provide architectural acoustics; environmental and exterior acoustics, noise and vibration impact assessment and control, and underwater acoustics impact assessment and control.



EIS Project, Telecommunications Industry, Caribbean Sea



Blaisdell Center Master Plan Environmental Assessment, Honolulu, Hawaii



Henvey Inlet Wind Project and Transmission Line, Ontario, Canada



Various Mitigation Projects for Special-status Wildlife Species, Kitchener, Ontario, Canada



IAP Services for Social Security Administration Headquarters, Baltimore, Maryland

## Representative Projects

**Regional Beach Sand Project II EIR/EA + Permitting, San Diego, California.** AECOM prepared an EIR/EA in compliance with CEQA & NEPA and obtained permits from regulatory agencies, as well as providing construction monitoring. The project successfully resulted in providing nourishment at 12 beach receiver sites throughout the county. Approximately 2 million cubic yards of sand were placed without significant impacts to environmental resources.

**Orsted Offshore Renewable Energy Certificate Application Support, New Jersey.** AECOM provided environmental permitting services to support Orsted in a comprehensive multi-tiered approach to identify and analyze alternative sites and routes, by applying a methodology that integrated environmental and cultural resources, existing infrastructure and engineering considerations. The services were provided in support of design for three offshore windfarm projects, located on the coast of New Jersey.

**Blaisdell Center Master Plan Environmental Assessment, City and County of Honolulu, Hawaii.** AECOM is preparing an Environmental Assessment for the City and County of Honolulu's Blaisdell Center Master Plan redevelopment. The proposed action is to demolish and reconstruct the existing parking garage and the Exhibition Hall, adding approximately 500 additional parking spaces, improved access, and maintenance/storage areas. New additions include a Sports Pavilion; an arts ensemble building for hula practice, youth symphony, Royal Hawaiian Band; a Satellite City Hall; traffic corridor and landscaping; additional outdoor venues and gathering areas; and new campus landscaping featuring terracing, paths, promenades, gardens, and relocated fishponds.

**Federal Emergency Management Agency, Looking to the Future: Alternatives for Reducing Flood-Related Damage in Historic Communities, Milton, Pennsylvania.** Recommended groundbreaking mitigation activities and developed a comprehensive preservation plan that considers future climate impacts.

**Multiple Oil and Gas Clients (Equinor, Total, Chevron, Shell, Statoil, BP) Environmental and Social Licensing (Offshore Mexico).** AECOM has been providing environmental licensing services to several large oil and gas clients for offshore E&P activities in Mexico. AECOM implemented Environmental Baseline Surveys (EBS) and developed multiple EIAs and SIAs (Social Impact Assessments) to be presented to the local environmental and social regulatory agencies.

**Social Security Administration Headquarters, Baltimore, Maryland.** Located on an 11-acre site adjacent to a metro station and park & ride facility in northwest Baltimore, this new federal agency headquarters facility includes an office building, adjacent field office, and a parking structure. The 538,000-squarefoot facility houses more than 1,600 employees. As a result of AECOM's winning project from a national completion, AECOM led the multi-disciplinary team of architects, engineers, and landscape architects to develop the fully integrated design, including delivering associated IAP services.

**Gulfstream - Natural Gas Pipeline System Across the Gulf of Mexico, Mississippi, Alabama, Florida and Gulf of Mexico, USA.** AECOM was the lead environmental manager for Gulfstream and worked closely with federal, state, and local agencies, as well as the public and environmental conservation groups, to minimize any adverse environmental impacts to the Gulf of Mexico ecosystem and sensitive onshore environmental resources. Early stakeholder involvement, exhaustive route development, and public outreach program contributed to accelerated project permitting and success of an environmentally acceptable route. The project was recognized by the Federal Energy Regulatory Commission (FERC) as a Showcase Project due to the success of the public outreach program.

**Confidential EIA Project, Telecommunications Industry, Caribbean Sea.** AECOM prepared an EIA for potential telecommunications cable implementation project related impacts throughout the Caribbean region. This was the first multi-jurisdictional EIA produced for the entire Caribbean region and included British Virgin Islands, Dutch West Indies, Mexico, Columbia, the U.S, Trinidad and Tobago, Grand Cayman Islands, Panama, Haiti, and Bahamas. As part of this EIA, fisheries, marine mammals, sensitive seafloor communities, coastal habitats, threatened/endangered species, air, sound, marine traffic and waste were considered and then subsequently addressed within a cumulative impacts section.

**Foxtail Wind Project, North Dakota.** AECOM provided environmental permitting services to complete a North Dakota Public Service Commission (PSC) Application for the Foxtail Wind Energy Center near Ellendale, North Dakota. AECOM prepared the PSC Application and provided expert witness testimony for the shadow flicker and acoustic analyses at the PSC hearing. AECOM also completed wetland delineations, cultural resources surveys, architectural history surveys, GIS assistance, acoustic modeling and assessment, and shadow flicker analysis for siting turbines and Project infrastructure.

**Restoration Services for the Sunrise Powerlink Project, San Diego, California.** AECOM provided sensitive upland habitat restoration and sensitive plant mitigation planning/ implementation services for temporary construction impacts. Services provided during construction and post-construction phase and involve over 20 sensitive habitat types, 400-plus acres, and numerous sensitive species. AECOM provided pre-activity site assessments, cactus salvaging, support to construction personnel on grading & post-construction site preparation issues, preparation of site-specific habitat restoration plans/sensitive plant restoration plans, implementation of habitat restoration activities, and resource agency coordination support.

**Henvey Inlet Wind Project and Transmission Line, Henvey Inlet First Nation (Pattern Development), Ontario.** AECOM was retained by Pattern Development to undertake approvals and permitting for a 300MW wind farm and a corresponding 90 km transmission line. As the wind farm is on the Henvey Inlet First Nation reserve, there is no provincial Environmental Assessment (EA) requirement. Instead, AECOM supported Pattern Development and its partner in developing an approvals framework for the wind farm component and undertook natural heritage and archaeological fieldwork for the Project. AECOM submitted an Environmental Assessment for the wind project, which has now been approved by Henvey Inlet First Nation. Concurrent with the wind farm EA, AECOM completed a Provincial EA for the transmission line, including conducting all fieldwork. AECOM was responsible for all public consultation activities and assisted Pattern Development and its partner with implementing its off-reserve aboriginal consultation program. Subsequent to submitting the two EAs, AECOM led the provincial and federal species-at-risk permitting for the wind farm and the transmission line, and completed Fisheries Act permitting for water crossings associated with the project.

**New York City Department of City Planning - Bushwick Rezoning Project, New York.** AECOM is preparing the required City Environmental Quality Review (CEQR), Environmental Assessment Statement (EAS) and Environmental Impact Statement (EIS) for the project, which goal is to increase affordable housing by incentivizing developers to build residential buildings with a Mandatory Inclusionary Housing component on land that was previously underutilized or undesirable for residential growth or use. The EIS will assess the Rezoning's potential environmental impacts including air quality and noise, transportation, urban design, open space and community facilities.

## Ecosystem Restoration CENTER OF EXCELLENCE

Provides comprehensive ecological restoration services to a variety of clients, with an interdisciplinary approach, to create sustainable habitats that reflect the nature, character and ecology of the landscape. AECOM teams actively participate in the enhancement, restoration, and preservation of ecosystems and are uniquely poised to maximize our impact in the varied ecosystems that are part of our world.



Foxtail Wind Project, North Dakota