

About AECOM

AECOM designs, builds, finances, operates, and manages projects and programs that unlock opportunities, protect our environment and improve people's lives.

As an integrated global network, AECOM works with clients, communities, and colleagues to develop and implement innovative and cost-effective solutions to the world's most complex challenges.

AECOM provides the full range of planning, permitting, engineering, environmental and design services for all types of traditional and renewable energy projects across the U.S. and Canada.

Meeting these challenges requires a fully integrated engineering and construction services organization with the capabilities to support the entire project in a holistic manner – from inception through construction, operations and maintenance, to decommissioning and closure.



49,000+

employees globally

24,000

employees in North America

continents

\$13.3B

Engineering News-Record's surveys

again recognize AECOM as an industry leader in many important categories.

#1 Environmental Engineering/Design

#2 Chemical and Soil Remediation

#3 Wastewater Treatment Plants#4 Environmental Management

#2 Site Assessment and Compliance

#1 Environmental Science

#2 Wastewater Treatment

#3 Environmental Firm

#3 Hazardous Waste

#3 Sewer and Waste

#2 Design Firm

#2 Water Supply

#2 Water

revenue in FY21

Powering Energy AECOM supports energy projects across North America with the full range of planning, permitting, engineering, environmental and design services.

With experience that spans more than 100 years and 150 countries, AECOM has conceived, planned, and built energy projects of every type and size.

AECOM's combination of global experience and integrated technical capabilities deliver strategic solutions that improve and modernize infrastructure, enhance sustainability and resiliency, and benefit the community.

AECOM has engineered and/or constructed more than 280,000 MW of electricity worldwide — equivalent to approximately **one fourth of the generating power** in the U.S. today.

We provide a single source for multidisciplinary engineering, environmental, and management services. From international and domestic market analysis, to siting and permitting, through final project development and execution, we develop, design, and construct projects that enhance infrastructure, reduce energy and water consumption, and produce power from traditional and renewable sources.

Our understanding of the big picture – such as the interconnection between generation, transmission, storage, grid improvements, conservation, and efficiency — allows us to deliver a holistic energy strategy tailored specifically to our clients' needs.

AECOM brings to our clients tailored strategic services that include:

- Technology neutral
- World-class innovation
- Proven tools & processes
- Full renewables capabilities:
- Biomass & geothermal
- Solar

- Current industry & regulatory knowledge
- Global technical practice network
- Deliver projects on schedule & on budget
- Wind
- Hydroelectric generation



AECOM has helped deliver more than 50 GW of renewable power globally.



AECOM has supported clean energy projects in almost every US state and Canadian province and territory, including more than 300 solar and wind projects since 2015.

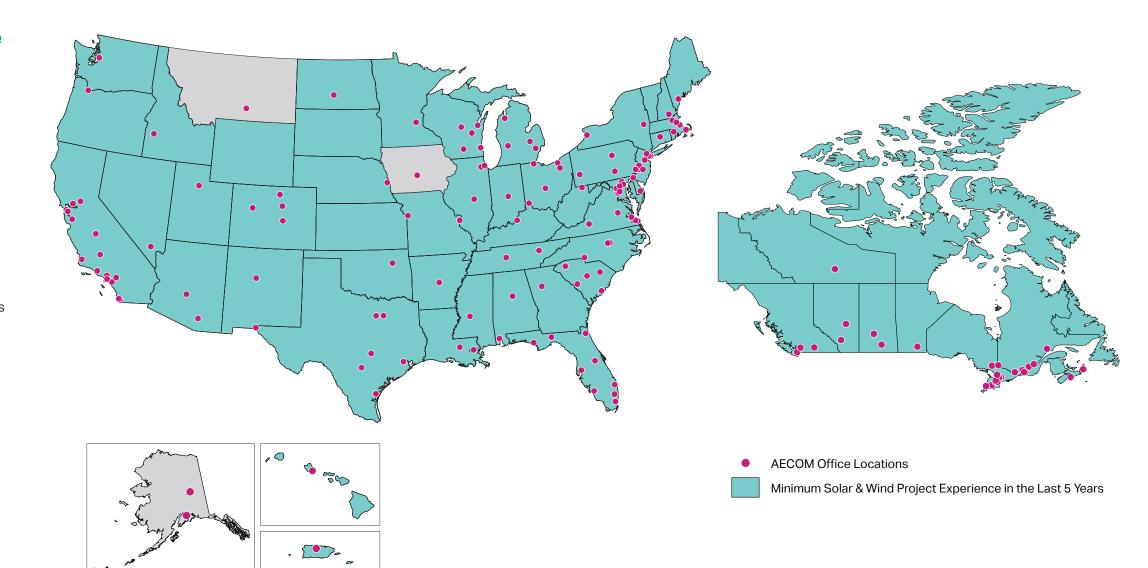
Global experience, local expertise

As a strategic client partner, we provide project planning, design, and permitting support to successfully site project and obtain necessary development approvals.

- Energy analysis and planning
- Siting/due diligence
- Environmental permitting/compliance
- Public outreach
- Conceptual design
- Detailed design
- Engineering
- Procurement
- Project management

As program/construction manager, we implement proven project controls to successfully manage efforts large and small to keep projects on schedule and budget.

- Project scheduling
- Estimating
- Cost control
- · Document control
- Risk management
- Compliance management
- Forecasting
- Asset management
- Owner's engineering services
- Construction management



A customized approach to project delivery, with comprehensive support from idea to operation.

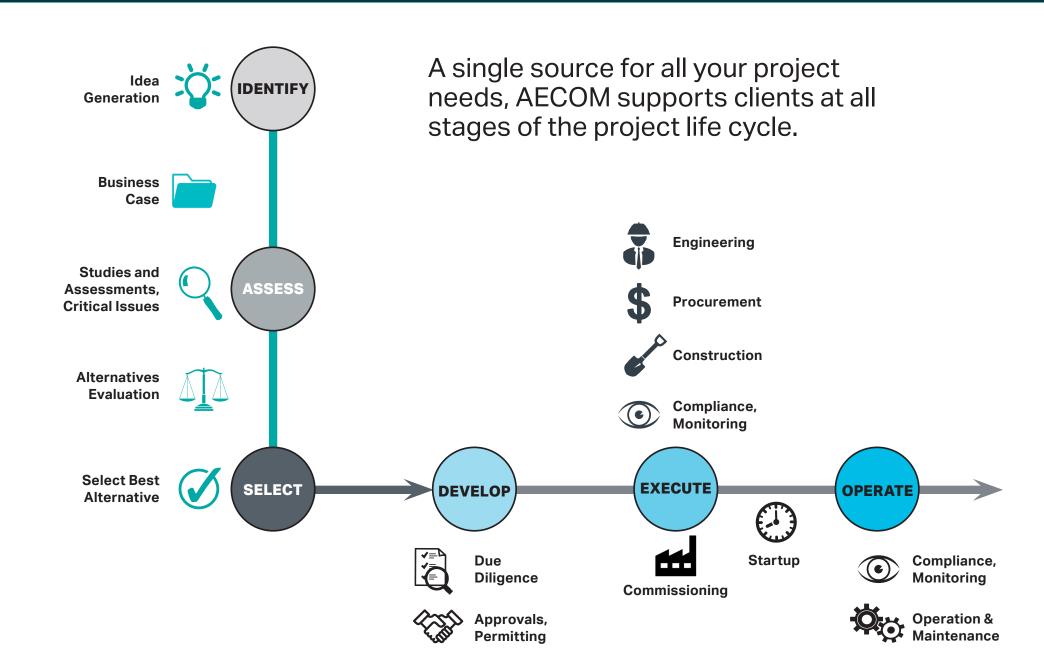
Understanding each client's unique conditions and project requirements is central to identifying the most appropriate approach for project delivery.

Proven experience with alternative delivery to fit owner's objectives, timelines and constraints:

- Public-private partnerships (P3)
- Design-Build
- Integrated project delivery
- Construction management-at-risk

"Our staff was impressed with the quality of the work and how AECOM has gone beyond what is expected. AECOM performed at a very high level of professionalism, and I'm very impressed with their troubleshooting, communications, organization and planning of all aspects of the project."

> U.S. Navy's Space and Navy Warfare Systems Command Systems Center Pacific (SPAWAR), Performance Evaluation



Using integrated project management and technical resources, AECOM plans, develops, and executes environmental review and permitting, engineering design, procurement, construction, and commissioning for energy projects around the world.



AECOM also provides a variety of alternative delivery approaches to match the needs of each project and client.



Assessments and front-end studies

- Site selection, siting studies
- Conceptual design, system sizing
- Grid interconnections
- Risk and critical issues analysis
- Feasibility studies
- Alternatives evaluations
- Social impact assessments
- · Financial models
- Economic benefit assessments
- Efficiency improvements
- Wind resource, solar radiance assessments



Planning and Permitting

- Project/resource planning
- Life cycle analysisRisk and hazard assessments
- Baseline environmental surveys
- Resource studies and assessments
- Environmental compliance
- Public/stakeholder outreach
- Equipment selection, sizing, and specifications
- Preliminary design
- Utility requirements



Detailed Engineering

- Civil, electrical, environmental, geotechnical and structural engineering
- Construction/as-built drawings
- Instrumentation, controls electrical collection, and Supervisory Control and Data Acquisition (SCADA)
- Substation/grid connection



Procurement

- Commercial terms and conditions
- Bid package preparation
- Contractor prequalification
- Bid solicitation and analysis
- Pre-bid meetings
- Purchasing and expediting
- On-site and source inspections



Construction

- Value engineering
- Constructability review
- Technical reliability and viability review
- Construction management
- Design/build services
- Inspection
- Commissioning
- Compliance/monitoring
- Worker awareness training
- Groundwater monitoring



Commissioning

- Testing procedures
- Startup planning
- O&M manuals
- On-site inspection
- Test data analysis



Management & Operations

- · Troubleshooting,
- optimization, consultation
- Site management
- Safety, health, and environmental management
- Project reporting and stakeholder management
- Contract management
- Compliance/monitoring

OptiSite Siting Program delivers successful renewable developments

AECOM's OptiSite Siting Program helps clients develop successful renewable energy projects through a detailed site selection assessment. This collaborative process helps clients select the best site to achieve project goals while helping reduce mitigation and permitting requirements.

Our **THREE-PART PROCESS** defines potential geographies, identifies client goals and objectives, and excludes fatal flaws to develop client-focused results.

TIER 1 integrates a GIS-enabled regional assessment to evaluate screening criteria at a broad level to determine the most suitable areas for renewable energy development.

TIER 2 applies a more in-depth study that applies weighted modeling of siting criteria – such as solar intensity, slope, geology, land ownership, sensitive ecological features, proximity to existing infrastructure, and other constraints or resources – to discern sites most suitable for renewable energy facilities.

TIER 3 emphasizes indivudual site characterization and further focuses on aspects that would ultimately impact the potential for energy generation, such as resource development costs, construction requirements, permitting constraints, viewshed analysis, potential impact, and benefits to the community.

A different kind of energy services company

AECOM's ability to deliver customized energy services is unmatched. We are the only global planning, engineering and construction management firm accredited by the National Association of Energy Service Companies (NAESCO).

With superior technical and management skills, our engineers, scientists, planners, and construction specialists provide clients customized solutions based on:

TECHNOLOGY NEUTRALITY. As an unbiased technology integrator, we do not manufacture equipment; instead, using equipment that best-fits our clients needs.

INNOVATION. Our technical practice network connects subject matter experts from around the world for innovative solutions to today's most challenging issues.

PROVEN TOOLS AND PROCESSES. In-house and third-party tools for planning, equipment sizing, design, and project management, including safety and quality, deliver efficient and cost-effective project implementation and management.

DEEP INDUSTRY KNOWLEDGE. Engineers, scientists, and technologists are selected for projects based on their in depth knowledge and expertise in a particular sector and geography to provide excellent service.

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AECOM's design-build services delivered 1.9 MW of solar generation at schools in the San Diego Unified School District.

From initial planning to final development and execution, AECOM's integrated services deliver utility-scale to distributed solar power generation systems.

With broad solar experience, proven project controls, and customized delivery options, AECOM delivers successful solar projects.

AECOM has been involved in some of North America's largest projects, and we are currently working with many of the world's foremost solar energy developers, manufacturers and leading solar-adopting utilities and government entities on solar power generation facilities.

Environmental planners and scientists provide global knowledge at the local level to facilitate projects through complex siting and permitting efforts.

Experienced staff provide strategic agency and stakeholder guidance to efficiently navigate environmental review processes and minimize compliance and compensatory obligations.

As a leading full-services provider for solar, we provide:

- Full-service engineering, consulting and construction phase services
- Flexible contracting options: owner's engineer, EPC, or design-build
- Environmental siting, permitting, and compliance

Our comprehensive environmental services include:

- Critical Issues Analyses
- Site Characterization Studies
- Biological Resource Assessments (wildlife, vegetation, wetlands)
- Cultural Resource Assessments including tribal/aboriginal outreach
- Air, soil, noise, and traffic studies
- Water resources (hydrology, storm water, groundwater)

- Socioeconomics studies and modeling
- Glint-glare analysis
- Visual simulations and impact assessments
- Technology-specific evaluations
- Permitting
- Stakeholder outreach
- Compliance monitoring



AECOM has helped deliver more than 15 GW in solar power around the world.

Wind AECOM's environmental services supported development of the 551 MW Cedar Creek Wind Farm in Weld County, Colorado.

Comprehensive planning, design, environmental, and construction services provide clients with a single source for wind energy developments worldwide.

AECOM's integrated services seemlessly deliver wind developments of all sizes.

AECOM is equipped to meet today's challenges with generating and transmission facilities and prepared for the changes ahead.

We have delivered hundreds of wind energy projects and effectively navigate complex project approval processes.

With a broad range of technical resources and project management services, we thoroughly plan, develop and execute:

- Critical Issues Analyses
- Site Characterization Studies
- Environmental Permitting

- Engineering/Design
- Procurement
- Construction Services

We provide strategic support to facilitate siting, permitting and approvals of small and largescale wind developments, both onshore and offshore.

Comprehensive services include:

- Biological Resource Assessments (wildlife, Visual simulations and impact vegetation, wetlands)
- Cultural Resource Assessments including
 Technology-specific evaluations tribal/aboriginal outreach
- Air, soil, noise, and traffic studies
- Water resources (hydrology, storm water, groundwater)
- Socioeconomics studies and modeling
- Shadow flicker

- assessments
- Permitting
- Stakeholder outreach
- Full-service engineering/consulting
- Construction-phase services
- · Owner's engineer
- Design engineer



AECOM has helped deliver more than 35 GW in wind power around the world.

