

LEADERS IN ENERGY TRANSITION

Accelerating your energy transition by increasing resilience and diversifying resources

Michael Baker
INTERNATIONAL



ABOUT US

In response to the world's changing power and energy landscape, many organizations are looking for comprehensive solutions that meet today's demands for reliable energy, while increasing resilience and ensuring sustainability.

Whether the goal is to ensure compliance with energy and carbon reduction mandates, transition to renewable sources, or achieve energy independence, Michael Baker International has the expertise to accelerate your transition.

Our portfolio includes developing energy strategic plans, designing electric vehicle networks, and working with building owners to lower energy demand and carbon emissions. Our services extend through the entire project life cycle, enabling us to serve our clients no matter where they are on the energy transition journey.

At Michael Baker, we are ready to rethink and reimagine the future with cost-effective, inclusive energy solutions.



Photo courtesy of the Tobyhanna Army Depot

Tobyhanna Army Depot

Coolbaugh Township, Pennsylvania

In support of the Tobyhanna Army Depot's efforts to improve its energy resilience, Michael Baker provided a detailed approach for implementing an onsite microgrid. This included the identification of funding mechanisms, an energy analysis, distributed energy resource technology review, solar photovoltaic (PV) sizing calculations, biomass implementation, battery energy storage system planning, and development of a conceptual schematic to integrate a microgrid within the depot's existing electrical infrastructure.

Connecticut State Pier Offshore Wind Infrastructure Improvements

New London, Connecticut

To support the \$24 billion offshore wind market, the Connecticut Port Authority is transforming the State Pier into a heavy-lift-capable world-class port that can accommodate wind-turbine generator staging and assembly, resulting in approximately 400 new offshore wind-related jobs. Michael Baker serves as the construction administrator for this \$300 million effort, providing overall management of the project, including project scope, schedule and budget.



Energy Resilience Conservation Investment Program (ERCIP) Smart Microgrid

Mountain View, California

As the managing partner of a joint venture, Michael Baker is providing microgrid and distributed energy planning, design and project management services for military installations globally. One project includes the development of a smart microgrid for the U.S. Army Reserve 63rd Readiness Division Headquarters in Mountain View, California. Michael Baker's role in this project includes field investigations, utility coordination, cybersecurity technical reviews, fire protection engineering and design, and construction schedules and cost estimates.

We Make a Difference



Electric Grid Grant Program Development and Administration

Statewide, Alaska

Michael Baker assisted the Alaska Energy Authority with the development of the new federally funded program to administer \$12.4 million annually of competitive grant funding available to electric grid operators throughout the state, in order to provide system resilience improvements. Deliverables included developing the program narrative, defining parameters of program administration, developing a request for applications, and identifying and refining quantitative and qualitative application evaluation criteria.

Bladensburg Bus Garage – Zero Emissions Bus Facility

Northeast, Washington, D.C.

The Washington Metropolitan Area Transit Authority's new, state-of-the-art, zero-emissions bus facility will improve the region's environment and air quality when complete in 2027. A new modern facility housing 300 buses, approximately half of them all-electric, will replace the existing garage built in 1962. Michael Baker is performing landscape architecture, architecture, interior design, structural engineering and LEED® consulting services in support of the targeted Platinum certification.



Tallahassee International Airport Solar Farm 1 & 2

Tallahassee, Florida

Michael Baker provided environmental survey, Federal Aviation Administration/National Environmental Policy Act environmental assessment document preparation, environmental permitting, and program management services for the development of a 450-acre solar farm at the Tallahassee International Airport. The new facility creates the world's largest airport-based solar farm, producing 62 megawatts – enough to power more than 12,900 homes.

CAPABILITIES

Climate Action Planning

Construction & Commissioning Services

Decarbonization & Net-Zero Strategies

Economics & Finance Services

Electrification Transition Advisory Services

Energy & Water Use Efficiency Strategies

Energy Master Planning & Roadmaps

Engineering & Design Services

Environmental & Regulatory Compliance Services

High-Performance Building Solutions

Microgrid & Distributed Energy Solutions

OT Cybersecurity Risk Assessments & Management

Renewables & Portfolio Transition Solutions

Strategic Grant Services

System Optimization

Transportation Evolution & E-Mobility Solutions

Visit mbakerintl.com for more information about our capabilities and iconic projects.

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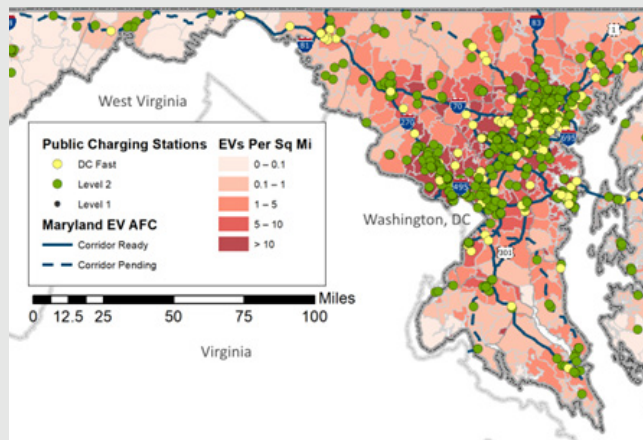


Alaska Energy Security Task Force Report Statewide, Alaska

Michael Baker worked collaboratively with the Alaska Energy Authority and Alaska Energy Security Task Force to develop an initial statewide energy plan that evaluates energy generation, distribution and transmission for the state and its communities. The report recommends actions that will help pave the way to a more affordable and sustainable energy future in Alaska. Actions include identifying policies, programs, regulatory changes and funding that can accelerate adoption of these energy strategies.

Los Angeles Department of Water & Power (LADWP) Scattergood Generating Station Hydrogen-Ready Modernization Project Los Angeles, California

Michael Baker is preparing the environmental documentation for a key LADWP in-basin generating station. The project would construct and operate a rapid-response, combined-cycle generation system capable of operating on a fuel mixture of natural gas and a minimum of 30% hydrogen gas. This capability would enable LADWP to convert from natural gas to green hydrogen in its in-basin combustion-turbine generation system.



Zero Emissions Vehicle (ZEV) Support Statewide, Maryland

Michael Baker provides planning, analytical and policy support to the Maryland Department of Transportation's (MDOT's) ongoing ZEV and infrastructure activities, including planning and implementation of Maryland's National Electric Vehicle Infrastructure (NEVI) Plan and Program. Our experts bolster the state's ability to meet its Climate Solutions Now Act requirements and greenhouse gas reduction goals of 60% from 2006 levels by 2031, and net zero emission by 2045.