



Powering the communities of the future

WSP is supporting the energy transition by providing comprehensive advisory, environmental, engineering design and program/project management services to the power industry. We bring best-in-class expertise in the development of power generation plants, renewable energy systems, cogeneration facilities, central utility plants and district energy systems.

Our experts help clients meet strategic goals, including:

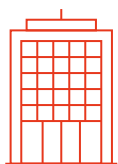
- Improving reliability and resiliency
- Meeting net zero/zero carbon goals
- Increasing energy efficiency
- Reducing operational and maintenance costs

FUTURE READY® RESILIENCY

WSP is an established leader in the development, design, construction, troubleshooting, commissioning, startup/testing and operations and maintenance of energy systems. Throughout the entire process, our energy solutions meet the needs of our clients, ensuring high standards of care and confidence in what lies ahead.

ENGINEERING AND DESIGN

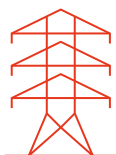
- District energy (Central plants and pipe distribution systems)
- Distributed energy resources (CHP/battery storage)
- Resiliency
- Microgrids
- Plant optimization
- Demand response
- Asset management
- Emergency standby
- Non-wires alternatives
- Life-cycle cost analysis
- Electric vehicle charging
- Design services for data centers



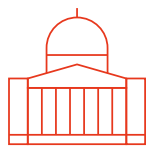
Mixed-Use
Developments



Higher
Education



Utilities



Government/
Municipalities



Hospitality



Manufacturing



Health Care



Aviation



Mission Critical





DEVELOPMENT

- Project development advisory support
- Program and project management
- Owner's engineer services
- Feasibility analyses and due diligence
- Load, demand and capacity analyses
- Investment-grade evaluation and life-cycle cost analysis

DESIGN

- Mechanical, electrical and structural engineering
- Central plant, distributed generation and cogeneration system design
- System optimization
- Hydraulic modeling
- Pipe thermal stress analyses
- Controls/SCADA/DCS
- Electrification studies
- Carbon audits

CONSTRUCTION

- Construction-phase services
- Underground site distribution field engineering and inspections
- Special inspections
- Industrial commissioning
- In-process manufacturer QA/QC

OPERATIONAL

- Startup/testing
- Operations and maintenance troubleshooting
- Energy conservation measure investigation and reports
- Retro-commissioning and benchmarking
- Training

QUALITY

Quality is an integral element of every WSP task and work product. Our quality management system is ISO 9001- certified and addresses all areas of work from project startup to close-out. Each project management plan includes a Quality Assurance and Quality Control plan, and every member of a project team is trained to meet rigorous quality standards in delivering work.

ABOUT WSP

WSP USA is the U.S. operating company of WSP, one of the world's leading engineering, environment and professional services firms. Recognized on [Fast Company's Brands that Matter List for 2022](#) as a top Community-Minded Business, WSP USA brings together engineers, planners, technical experts, strategic advisors and construction management professionals who are dedicated to collaborate in the best interests of serving local communities. WSP USA designs lasting solutions in the buildings, transportation, energy, water and environment markets. With more than 15,500 employees in 300 offices across the U.S., WSP partners with its clients to help communities prosper.

CONTACT US

For more information about how we can help you deliver your next project, contact:

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<https://www.wsp.com/en-US/hubs/energy>