



# Energy

Powering Progress. Engineering the Future.



## About JMT

Johnson, Mirmiran & Thompson, Inc. (JMT) is a nationally recognized, multi-disciplined engineering and architectural firm. JMT serves a diverse clientele including federal, state, and local government agencies, as well as commercial, industrial, educational, and private institutions.

JMT is a 100% employee-owned firm with more than 2,700 professionals located throughout multiple offices across the U.S. JMT combines the customer-oriented service of a local firm with the full-service expertise of a large firm. JMT staff not only work on projects in your area, they live in your community as well. This connection to the community ensures that every project is more than just a job, it is an extension of our staff themselves.

## JMT Energy

At JMT, energy is more than a market – it's a mission. Our energy services are designed to meet the evolving demands of public and private infrastructure, supporting a smarter, more resilient, and sustainable future. Our multidisciplinary teams bring deep expertise in:

- Asset and Data Collection Management
- Building Electrification
- Coatings Inspection
- Commissioning
- Ecological Restoration
- Environmental & Permitting
- Electric Vehicle Charging
- Emergency power designs
- Energy Audits, efficiency, sustainability
- FERC Compliance Certification
- Fuel Storage Design
- Geotechnical engineering
- Intelligent Transportation Systems
- Land Services (ROW, Easement)
- LEED & Carbon Zero Building Designs
- Microgrid, substation systems
- Natural & Cultural Resources
- Project & Construction Management
- Power Generation, Islanding
- Solar Power & Storage
- Site Civil Plan & Design
- Structural Engineering
- Surveys (aerial drone LiDAR, scanning, imaging, PLS CADD)
- Subsurface Utility Engineering (SUE)
- Traffic Engineering
- Utility Condition Assessment
- Utility Coordination
- Utility Design
- Utility Mapping



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# Energy Generation

## Harnessing Hydropower: JMT's Key Role



JMT delivers integrated engineering and environmental services to advance hydropower development. From designing critical infrastructure like cofferdams and powerhouses to supporting FERC permitting and environmental compliance, JMT helps clients expand renewable energy capacity while protecting natural resources.

## Fueling Progress: JMT design and constructions services supports the Adelphia Gateway Natural Gas Pipeline Project



JMT supported the design and construction of this major natural gas infrastructure initiative aimed at delivering low-cost energy to millions. The project repurposed 84 miles of pipeline, added 5 new miles, built two compressor stations, and various facilities. JMT supported the planning, design, construction and permit close-out performing 10 services throughout 10 offices

## Power Utilities: Life cycle management



JMT's facility life cycle management includes setting up projects in scheduling software, managing the design and coordinating with internal stakeholders, supporting procurement of contractors, managing the schedule, budget, and quality performance. This includes MEP, facility engineering, process and controls, as-built, asset management.

## Empowering Sustainable Transit: JMT's Role in Dover's Solar Canopy and EV Charging



JMT provided engineering and design services for a solar-powered EV charging canopy at DTC's Dover, DE facility. The system includes 2,240 solar panels, battery storage, and smart controls to charge electric buses overnight. We also authored the successful FTA grant that helped bring this project to life. Features: microgrid controls, LED lighting, and integrated transit security.

# Energy Distribution

## Powering the Future: Electric Bus Charging Stations at BWI



JMT's electrical engineering group along with site civil planning, mechanical, structural and others provide EV charging design, support, supply analysis, fueling stations, construction management and commissioning for various clients

## Revolutionizing Construction with Augmented Reality: JMT's vSite Platform



JMT utilizes an augmented reality platform that overlays digital models of underground utilities onto real-world views, enabling field teams to visualize subsurface assets with precision and reduce the risk of utility strikes. Integrated with LiDAR and GIS data, it supports construction documentation, as-built validation, and project coordination, streamlining workflows and enhancing safety across multiple infrastructure initiatives.

## Energy Management Services supporting Electric Infrastructure



JMT provides program management for greenfield and brownfield substation, distribution, and transmission projects—supporting design through commissioning. Our growing program reflects our value-driven approach and deep expertise in FERC and PUC standards.

## Charging Ahead: Sustainable buildings and electric vehicles



JMT Architecture designed the new 24,000 SF administration building to LEED-Silver standards, with a focus on increased energy efficiency, high performance building envelope, and optimized daylighting. Included in the design was EV charging stations leading to a more carbon neutral design.

# Energy Sustainability

## Energy-Smart Renovation: JMT's HVAC Overhaul



JMT has undertaken a significant project to upgrade the mechanical, electrical, and architectural systems within the 90,000-square-foot DX and DY Concourse at BWI Thurgood Marshall Airport. This comprehensive renovation focuses on enhancing the HVAC systems to improve energy efficiency and operational performance.

## Restoring Nature: JMT's Ecological Impact at Eccleston Property



JMT is leading a privately funded, turn-key mitigation project to restore wetlands and streams—generating ~10,604 stream and ~14.5 wetland credits. We handled design, permitting, contractor procurement, and construction oversight.

## Powering Efficiency: JMT's Energy-Saving Designs for BWI Modernization Project



JMT delivered innovative building performance and efficiency engineering for 50,000 SF of terminal expansion and upgrades, with a strong focus on building performance, efficiency and reliability. The design feature energy efficient HVAC and lighting systems and accentuated the user experience.

## Echoes of the Past: Farmstead and Cemetery Unearthed in Solar Project



JMT conducted the project for the Office of State Archaeology on behalf of Carolina Solar II, LLC, ahead of planned development of a 500-acre site. A historic farmstead and an abandoned African American cemetery were identified and recommended for avoidance due to their potential eligibility for the National Register of Historic Places.