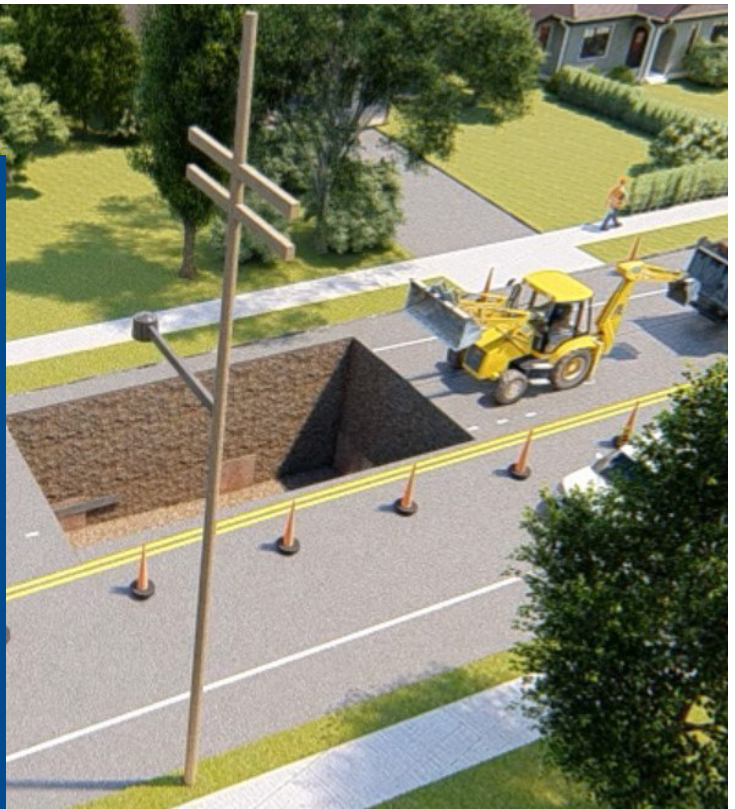


Energy Utility Services

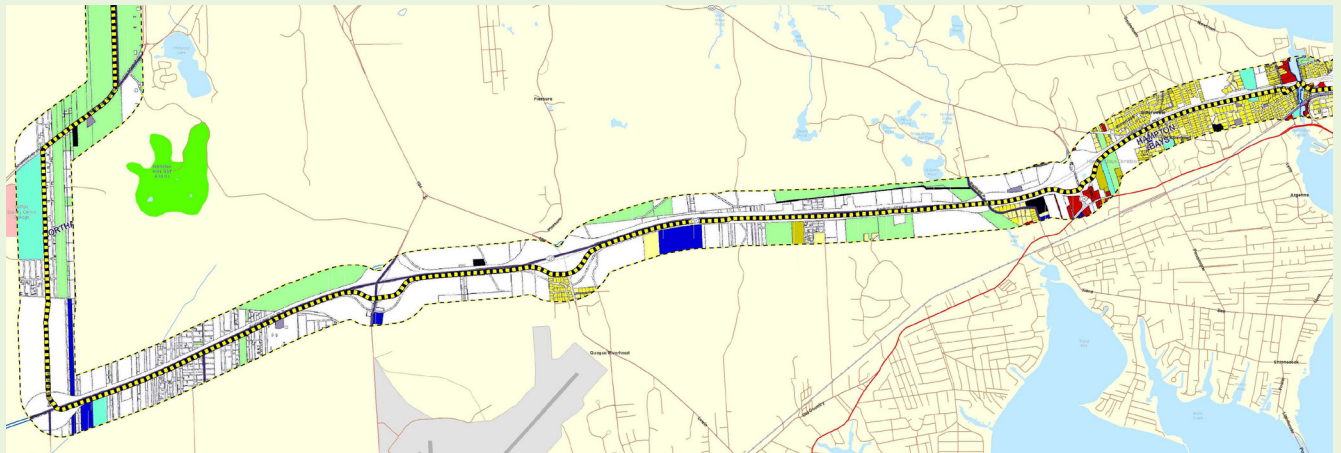
Consulting-Design-Compliance

PS&S provides the energy utility industry with responsive services and innovative approaches to problem solving. From the identification of subsurface utilities to the development and implementation of infrastructure and environmental solutions, our qualified staff of professionals helps our clients to optimize the effectiveness and efficiency of their systems and maintain regulatory compliance.



Full Service Capabilities

- 1 Design Services.** Utility transmission/distribution facilities; Photo simulation/renderings/animations; Site design, survey and architectural/engineering services for plants and substations; Foundations/retaining structures; Sustainable/LEED design; Wind turbine and geothermal systems; Value Engineering.
- 2 Studies and Evaluations.** Siting studies; Property acquisition analysis; Master planning; Route analysis; Feasibility studies; Remedial and geotechnical investigations; Forensic investigations; Structural assessments; Subsurface/seismic analysis; Resistivity studies; GIS infrastructure mapping and records management; Environmental GIS constraints database and website; Commissioning.
- 3 Compliance Services.** Local, regional, state and federal agency permitting; NJDCA and local construction permitting; Site remediation and LSRP services; Noise and air monitoring; Environmental impact studies; Cultural resources; Wetland and T&E species surveys; Vegetation management oversight; OSHA trained field staff.



Environmental Services to the Energy Utility Industry

Siting of Infrastructure

- Siting of overhead and underground transmission, detailed route analysis and distribution infrastructure
- Property acquisition analysis
- Visual impact analysis / photo simulation/renderings/animations

Environmental Inventory

- Linear project corridor mapping and analyses
- Natural resource inventories
- Ecological and habitat inventory and assessments
- Threatened and endangered (T&E) species evaluations
- Essential Fish Habitat assessments
- Wetlands and streams delineations and studies
- GIS/environmental database preparation and web-based mapping tools
- Noise and vibration assessments
- Brownfield/impacted site evaluation

Cultural Resources

- Phase I, II and III Cultural Resource Surveys with a specialty in linear alignments
- Archaeology, architectural history and historical studies
- Technical support for FERC applications and with SHPOs
- HABS / HAER Documentation
- Historic Impact Statements

Environmental Permitting

- Article VII NY Public Service Commission
- Applications and required studies for local, regional and state permits
- Technical support for FERC applications
- NEPA environmental impact statements, alternatives assessments
- SPDES stormwater permitting
- Construction dewatering analysis, strategy, and permitting
- Coastal area and riparian area permitting
- Wetland/waterway/T&E species mitigation area evaluation, design and monitoring
- Preparation of best management practices (BMP) plans
- Community outreach programs and public hearings



Environmental Monitoring

- Regulatory area evaluations for rights-of-way (ROWs)
- Constraints Analyses for ROWs
- Construction monitoring for implementation of BMPs
- Construction monitoring for noise and vibrations
- Critical habitat/endangered species inspection and monitoring
- Tree and sensitive area inspection
- Vegetation management oversight

PS&S Multi-Disciplined Services

- Architecture
- Energy Utility / Power Systems Engineering serving:
 - Wind
 - Solar
 - Hydroelectric
 - Geothermal generation
- Environmental Compliance and Permitting
- Civil/Site Engineering
- Survey and Easement/ROW Services
- Geotechnical Engineering
- Structural Engineering
- Building M/E/P Engineering
- Water Resources Engineering
- Geographic Information Systems (GIS)
- Cultural Resource Management
- Sustainable/LEED Designs

