

# Services for Energy & Power

Bohannon  Huston

- ▲ Civil/Site Engineering
- ▲ Spatial Data
- ▲ Survey Services
- ▲ GIS
- ▲ Governmental/Environmental Approvals and Compliance
- ▲ Facility Studies

# Providing Innovative Solutions through a Unique Combination of Expertise

At Bohannon Huston, Inc. (BHI), we combine engineering expertise with related disciplines to provide innovative solutions. The result is a balance of geospatial, civil engineering, and software technologies expertise that provides beginning-to-end solutions incorporating not only civil engineering but also spatial data, mapping, survey, utility systems, planning/permitting, and software technologies. Advanced technology and experience give us the ability to design and execute innovative solutions that are effective in function, schedule, and cost.

## Engineering for Energy Industries

Over years of service to the power and energy industry in the Southwest, we have built strong, trusted relationships with our clients and a deep understanding of their needs and requirements. BHI provides civil engineering support services to the Energy and Extractive Industries. Our teams provide facility, infrastructure (power, controls, communications, and lighting), transportation, structural, planning/permitting, as well as construction phase services.



## Proven Project Solutions

BHI's experience extends into many energy sectors. Past projects include diverse endeavors such as:

- Permitting
- Site Selection/Evaluation
- Electrical Power Location/Layout Assistance
- Substation Layout/Structural/Grading
- Powerline Foundation Design and Retrofit
- Natural Gas Distribution Modeling/Study
- Solar Power Concept Layouts
- Facility As-Built Scanning
- Power Plant Site Service Support
- Mining Operation Volume Studies
- Right-of-Way/Survey/Legal Documents
- Reuse Water Systems/Distribution
- Wind Farm Layout and Design
- Facility Due Diligence

# A Wide Range of Geospatial and Survey Services

Our survey technologies team is an experienced group of professional land surveyors and certified surveyor technicians who are adept at right-of-way/easement survey, boundary surveys, topographic design surveys, construction staking, and geodetic and photogrammetric control surveying for design, mapping, and GIS. Global Positioning Systems (GPS) and conventional surveying instruments quickly provide complete surveys.



## Sustainable Solutions

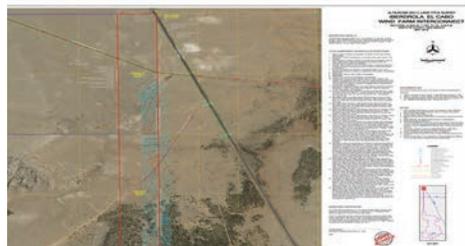
As the world's energy needs evolve, we have expanded our knowledge base to include the newer power generation systems of solar and wind-farm technologies. Our staff includes LEED®-accredited engineers, and we incorporate sustainability considerations into all of our projects.

## Energy & Power-Related Projects



### PNM Solar Sites

Diversifying its renewable energy portfolio, PNM initiated its Solar Sites Program to develop new solar energy centers across New Mexico. These facilities provide over 106 MW of solar power. BHI provided all **survey and civil engineering** for the solar sites. **2016 ACEC Engineering Excellence Award Winner** / Category: Energy



### El Cabo Wind Farm

BHI provided **survey and civil engineering** for 110-square miles of wind farm development in Torrance County, New Mexico. When complete, the 298 MW project will feature up to 149 wind turbines on 56,000 acres.



### Kinder Morgan CO<sub>2</sub> Pipeline

BHI's Survey team provided **GIS, right-of way and topographic survey** for the proposed 213-mile, 16" diameter Kinder Morgan Lobos CO<sub>2</sub> Pipeline. Easement exhibits were developed for over 600 parcels impacted by the alignment.

# Who We Are...

Bohannon Huston, Inc., (BHI) offers in-depth infrastructure support expertise to the energy and power industry from survey/mapping acquisition through design and construction. Since 1959, we have helped public and private customers **visualize** projects, **optimize** resources, and **realize** exceptional solutions with our world-class survey, spatial data, civil engineering, and advanced technologies services.

Whether your project is finding the optimum location for new infrastructure or facilities, applying new technologies to manage and enhance power utilization, or developing a new wind farm or solar facility, BHI has the expertise and experience to transform your objectives into reality.

*BHI is an ISNetwork member contractor*



*Albuquerque*

*Denver*



*Las Cruces*



## Our team can:

- Assist with processing through local jurisdiction authorities
- Enhance a project's quality through enhanced asset management data
- Provide Construction Phase Services, inspectors, observers, testing coordination, and pay estimate support
- Create virtual web sites for project collaboration and public relations

### In New Mexico:

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