



# General Energy Corp.

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- Institutions
- Industrial
- Public Schools
- Federal & Local Government
- Facilities
- Universities
- Hospitals

## Our Mission

GEC is dedicated to meeting client expectations by being an outstanding provider of quality engineering services, by means of innovation and continuous improvement.



## GEC PROJECTS

- Facility Studies
- Life Safety Studies
- Energy Assessments
- Energy Management
- Renewable Energy
- Air Quality
- Troubleshooting
- Heating
- Ventilating
- Air Conditioning
- Plumbing
- Electrical
- Power Generation
- Lighting
- Fire Alarm
- Sprinklers
- Security

*We look at ways to improve system operation and not simply suggest new equipment purchase.*

General Energy Corp. (GEC), established in 1985, is a progressive professional organization providing consulting engineering services. Our engineers have had a leading role in the design and engineering of projects of varying size and complexity, which include commercial, institutional and industrial facilities. GEC maintains a staff of highly qualified mechanical, electrical, and instrumentation engineers possessing a broad range of experience within their respective disciplines. Design of electrical, mechanical, heating, ventilation, and air conditioning, fire protection and fire alarm systems have been a significant part of our work.

We specialize in processes and systems using state-of-the-art technologies such as computerized controls, energy efficient furnaces, heat recovery, variable speed drives, energy efficient lighting, combined heating, cooling, and distributed power.

## “An Award Winning Organization”

Energy conservation studies and energy conservation retrofits have been a major part of our work. We have gained design expertise to minimize disruptions to operations during construction. We have made a commitment to providing our clients with efficient, high quality engineering services. In keeping with this commitment, we have made a substantial investment to provide individual computer work stations for each of our engineers utilizing the most up-to-date computer aided engineering (CAE) software packages available. Professional excellence and innovation are important to us and our clients.

Our cost conscious designs and our commitment to maintaining schedules have resulted in the completion of projects in a timely, cost effective manner. Confidence in our professional capability and satisfaction with our services have resulted in long lasting relationships with our clients.

## Energy Services

General Energy Corp. (GEC), presents exceptional qualifications for instituting a comprehensive energy management program for your new construction and existing facilities.

### GOALS

- Develop a vision and operational plans to reduce energy usage
- Conduct comprehensive energy assessment of your facilities
- Present our findings in a precise manner, based upon factual data
- Set-up, train, and facilitate energy cost reduction teams
- Establish short term and long term energy goals
- Identify all the energy savings opportunities
- Provide assistance in the selection and implementation of projects
- Maximize your return on investment from energy savings



### BASIC ENGINEERING & CONSTRUCTION SERVICES

- **Engineering Services:** Perform detailed design and engineering of processes, electrical, mechanical, HVAC, controls, fire protection and security systems.
- **Bid Management:** Prepare bid documents, obtain bids, evaluate bids, and select contractors and suppliers.
- **Construction Management:** Prepare and monitor schedules, coordinate work with contractors and suppliers, review shop drawings, prepare as-built drawings and provide field supervision.
- **Turn-Key Implementation:** Provide one point responsibility and cost effective solution on timely basis by under taking turn-key implementation of the project.
- **Power Quality and UPS:** Study the power distribution system, power quality and infrared surveys and make recommendations for improved efficiency and reliability.
- **Facility Studies:** Inspect electrical and mechanical systems, evaluate their life and efficiency, prepare reports and make recommendations.
- **Life Safety/Fire Safety:** Perform Life Safety, Fire Safety and ADA Studies and implement the recommendations.
- **CFC Studies:** Perform CFC studies and implement chiller modifications/replacement recommendations.
- **Air Quality Services:** In response to the challenges imposed by the Clean Air Act Amendments on the private and public sectors, GEC offers a full range of air quality consulting and engineering services.
- **Cogeneration:** Perform detailed design & engineering of combined heat and power processes.
- **Renewable Energy Sources:** Design & engineering of wind, solar, and geothermal systems.

Provide emergency generation and UPS systems.

### MAJOR CLIENTS

Argonne National Laboratory  
Federal & Local Government  
K-12 Public Schools  
Hospitals  
Correctional Facilities  
State of Illinois Capitol Development Board  
The University of Chicago

American Municipal Power-Ohio  
Exelon Companies  
Community Colleges & Universities  
Housing Authorities  
Housing Authorities  
Industrial

We look at ways to improve  
system operation and not  
simply suggest new equipment  
purchase

Highest Quality  
Performance and Conduct is  
the Cornerstone of  
Our Services

Energy Efficient and Cost  
Effective Design is Our Focus

Full Customer Satisfaction is  
Our Goal



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