

# GENERAL ENERGY CORP.

Engineers • Planners • Constructors

☉ Facility Studies

☉ Energy Audits

☉ Energy Management

☉ LEED Services

☉ Chiller Plants

☉ Boiler Plants

☉ Cogeneration

☉ Geothermal

☉ HVAC

☉ Solar Thermal

☉ Photovoltaic

☉ Electrical

☉ Wind Power

## Energy Solutions You Can Afford

➤ Analysis    ➤ Assessment    ➤ Implementation    ➤ Monitoring

**A Turn Key Approach**

General Energy Corp. (GEC) will help you improve your bottom line and maximize your profits by reducing your energy costs. Rising energy costs and diminishing supply, especially of natural gas, are increasing competitive pressure on US industry.

We at GEC offer a Comprehensive Energy Management Program (CEMP) and assist our clients in finding ways to reduce energy costs, improve productivity, and reduce waste. We have an excellent track record with various industries and institutions over the past 27 years. We have developed expertise in implementation of our recommendations without affecting your facility operation.

Our step-by-step approach ensures realization of full savings potential in your facilities in a cost effective manner.

(See the other side for our approach).

### What We Can Do For You...

- Develop a vision and operational plans to reduce energy usage and establish short-term & long-term goals.
- Conduct comprehensive energy assessment of your facilities.
- Identify all the energy savings opportunities and perform cost benefit analysis.
- Present our findings in a precise manner based on factual data.
- Provide assistance in the selection and implementation of projects.
- Setup, train, and facilitate energy cost reductions teams.
- Maximize your return on investment.



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

*"26 Years of Excellence In Engineering"*

General Energy Corp., 230 Madison Street, Oak Park, Illinois 60302, 708.386.6000, 708.386.6091 Fax  
<mailto:PremM@gecchicago.com> Website: [www.generalenergycorp.com](http://www.generalenergycorp.com)



# ENERGY SOLUTIONS YOU CAN AFFORD

## A TURN KEY APPROACH

*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*

*GEC's approach in providing energy solutions for your plant consists of the following steps:*

- 1. Plant Energy Data Review and Walk-thru:** As a first step, we would request you to provide us plant energy and water use data for at least a year, information about major energy using equipment and systems, and plant operation. We will analyze the data provided by you and preform a walk-thru of the facility with your designated representative. If we determine a substantial savings potential in your plant, we will submit a proposal for a comprehensive assessment of your plant facility.
- 2. Plant-wide Energy Assessment:** This step entails performing an in-depth energy savings study of all your energy using equipment and systems. We will develop energy profile of the plant, select energy savings projects, perform cost-benefit analysis for each, prepare report, and make recommendations. During this stage, we perform preliminary equipment and constructionability review to ensure reliable budget cost estimates for implementation of various recommendations.
- 3. Prioritizing and Financing:** We will assist you in prioritization the projects based on Return of Investment (ROI), impact on plant operations, and need of plant management. We will review with you all the financing options including performance based financing and arrange for financing the project, if required.
- 4. Implementations:** We will perform detailed engineering, prepare bid documents, and select suppliers and contractors for the projects. We will prepare a critical path schedule for project management to ensure timely completion of the projects withing the allocated budget. We will train your personnel in the operation of the equipment and systems. We will submit a proposal for implementation on a fixed fee basis or turnkey implementation.
- 5. Monitoring and Maintenance:** We will monitor pertinent variables through computer controls and modify software to optimize. We will setup alarms and reporting systems to monitor defective sensors and equipment. We will program equipment operating schedule and adjust as needed.

## Our Expertise

- Green Design Services
- Boiler Plant and Heat Distribution
- Compressed Air System
- Chilled Water Systems/HVAC Systems
- Energy Audits/Assessments
- Cogeneration/CHP
- Electric Power Distribution
- Lighting Systems
- Indoor Air Quality
- Building & Process Automation

## Renewable Energy

- ◆ Geothermal
- ◆ Wind
- ◆ Solar/Photo-Voltaic



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