



**DESIGN SYSTEMS, INC.**

# **ENERGY SOLUTIONS PROVIDER**

**ENERGY AUDIT • ASSESSMENT  
RENEWABLE ENERGY • IMPLEMENTATION  
PERFORMANCE ANALYSIS • LEED CERTIFICATION**



# Energy Solutions Provider

By taking the holistic approach toward sustainability of energy & utility savings, Design Systems will assess, design, implement and validate a comprehensive program to meet your specific needs.



## Energy Audit and Assessment

An initial **Audit** will quickly identify your objectives and potential for energy and utility cost savings. This initial report will address your specific goals:

- ✓ **Capital Investment**
- ✓ **Return On Investment**
- ✓ **Identify Cost Saving Opportunities**
- ✓ **Sustainability**
  - ✓ Greenhouse Gas Reduction
  - ✓ Brand Equity
  - ✓ Reduce Foreign Oil Dependence
  - ✓ Employee Retention
  - ✓ LEED Compliance

An energy and utility **Assessment** will further define and detail opportunities. The assessment will:

- ✓ **Identify Potential Opportunities**
- ✓ **Identify Incentives**
- ✓ **Assess Risk**
- ✓ **Determine Timelines**
- ✓ **Quantify Capital Cost**
- ✓ **Quantify Savings**



Let us start you on the path of personal and corporate “green” responsibility – for as little as \$1,000 we can perform an initial audit of your facility. The next step is up to you.

# Solution Implementation

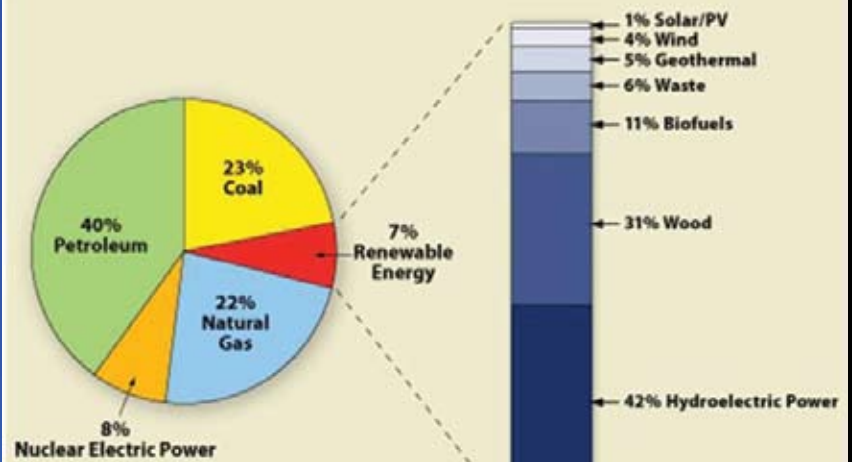
From systems design through seamless Turnkey Integration, Design Systems, Inc. can provide the right resources at the right time for you:

- ✓ **Funding Source Assistance**
- ✓ **Site and Facility Design**
- ✓ **Permitting Assistance**
- ✓ **Systems Engineering**
- ✓ **CPM Scheduling**
- ✓ **Electrical & Controls Integration**
- ✓ **Procurement**
- ✓ **Installation**
- ✓ **Commissioning & Testing**
- ✓ **Performance Analysis Plan**

Additionally, the use of Renewable Energy could be a viable part of your solution. Identifying the right resources to meet your intended goal is paramount. Options may include:

- ✓ **Solar Photovoltaic**
- ✓ **Solar Thermal**
- ✓ **Wind Energy**
- ✓ **Bio-mass**
- ✓ **Geothermal**

## U.S. Renewable Energy Consumption as Share of Total Energy



Source: U.S. Energy Information Administration.

## Typical Savings Opportunities

Design Systems, Inc. will examine all potential solution opportunities for system enhancements, optimization and upgrades:

- ✓ **Lighting and Electrical Efficiency**
- ✓ **Electrical and HVAC Load Balancing**
- ✓ **Predictive Indoor Environmental Tempering**
- ✓ **Ventilation Optimization**
- ✓ **Water Use Efficiency**
- ✓ **Process Improvements**
- ✓ **Waste Reduction Planning**

Many of these solutions can be achieved quickly and with minimal investment, merely requiring dedication and commitment from the stakeholders.





# Performance & LEED Certification

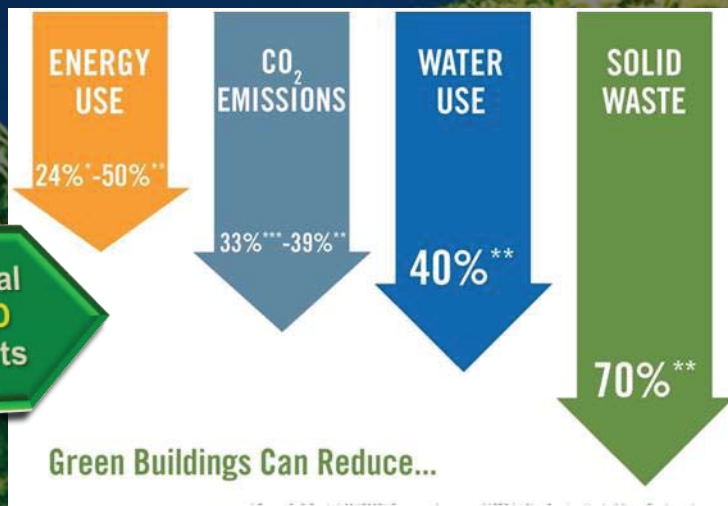
Performance Analysis will benchmark your goals:

The LEED Rating System will evaluate a facility's performance in the following areas:

- Energy Savings
- Process Improvements
- Employee Retention
- LEED Certification

- Sustainable Sites
- Water Efficiency
- Energy and Atmosphere
- Materials and Resources
- Indoor Environmental Quality
- Innovations in Design / Operations

The US Green Building Council (USGBC) is the leading organization driving a national consensus for design, build, operations, and maintenance initiatives for all facility types. Design Systems Inc., as a member of the USGBC, is committed to these initiatives and will provide a Leadership in Energy & Environmental Design (LEED) Accredited Professional to address your unique circumstances.



## LEED DELIVERS

- Design Best Practices
- High Performance Construction
- Metrics for Performance
- Sustainability of Materials & Resources
- Path to Continuous Improvement

Typical LEED Results

Energy Solutions

Provider



## PEOPLE

*Workplace environment improvements positively impact productivity.*

**PLANET**  
*Reducing carbon emissions and landfill contributions provides generational positive impacts.*



## PROFIT

*Reduced utility costs and process improvements positively impact your bottom line.*



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