

# **GEAR** Energy Systems

*GEAR simplifies your goal of achieving data and computing center energy efficiency with*



➤ *baseline energy efficiency audits,*

➤ *'greening' migration paths,*



➤ *utility company incentives &*

➤ *sustainability programs*

*"An investment in knowledge pays the best interest." Ben Franklin*



simplified energy  
efficiency  
solutions

# Helping our clients achieve Energy Efficiency

*GEAR Energy Systems provides energy audits, refresh plans and incentive solutions for data centers and computing facilities. Our customers include local, state and federal government agencies, government contractors and laboratories and other commercial and industrial businesses. GEAR is the one-stop data center energy efficiency team. Our engineers and auditors are utility trained and certified to conduct energy efficiency baselines, data center audits and recommend and implement incentive application solutions. We simplify the process and expedite results.*



## What GEAR offers:

- Efficiency Audit
- Power Usage Effectiveness (PUE)
- Data Center Infrastructure Efficiency (DCiE)
- HVAC System Effectiveness
- On-Peak Demand
- High level facility metrics
- Energy benchmarking & continuous monitoring
- Temperature guidelines
- Air Management opportunities
- Cold and hot aisle layout

GEAR is a service disabled veteran owned business (SDVOB). We are easy to work with, energy efficiency smart, utility trained and certified and industry professionals. We know energy and we know IT. Our goal is to reduce your energy costs by more than 30% and concurrently meet your migration and refresh plans.

GEAR works primarily with government and government contractor customers located in California and the western states. The company employs a team of utility trained and IT network certified project managers and auditors. Our GEAR professionals speak energy and they speak IT.

## GEAR solutions:

With GEAR we let you focus on your core competence and leave the energy baseline and audit, efficiency recommendations and utility rebate process to us. We serve as your independent auditors. As an extension of you and your team we are your energy efficiency experts and advocates working with all stakeholders in the data center and enterprise.

Working with GEAR makes your job easier. Our process for success is simple for you to embrace and execute yet technical, thorough and a value add tool for your decision making process. A summary of the GEAR Three Phase Data Center Energy Efficiency Audit and Rebate process is as follows:

**PHASE 1: ENERGY AUDIT & REPORT**

**PHASE 2: DATA CENTER 'GREENING'**

**PHASE 3: DATA CENTER REBATE & SUSTAINABILITY**



# Solutions that fit your business needs

Our goal is a 30% reduction of your energy bill. As the Facilities Manager you are managing a complex facility. As the CIO and IT manager your prime focus is keeping your network up and running. Everyone wants your attention: internal and external customers, security people, box builders, VARs, applications team, your budget chief. You are probably being asked to do more with less.



Do you have a patchwork quilt of products, software and applications? Do you have lots of legacy IT gear and infrastructure that's energy inefficient? Do you have aging chillers, HVAC and UPS gear that could use a makeover or upgrade? Like most IT executives you would like to implement an IT enterprise approach to your organization. Recent Government Business Council survey says that's the #1 priority of all government agencies today. That applies to private enterprises too.

The first step to gain an energy efficient computing center is a baseline energy audit. For a busy IT team energy audits for the data center can seem complicated and fragmented. Applying for utility incentives for energy efficiency gains seems like a paperwork jungle. Do I have the expertise? Do I have the time? Is the payback worth the effort?



With GEAR we let you focus on your core competence and leave the energy baseline and audit to us. We serve as your independent auditors working with all stakeholders in the data center and enterprise. We simplify the energy efficiency audit using advanced software tools, non-intrusive measurements and provide a comprehensive report and analysis with options and recommendations for migration to an energy efficient solution.

Professional energy efficiency audits pay for themselves many times over. CIO and IT managers can save both hard and soft

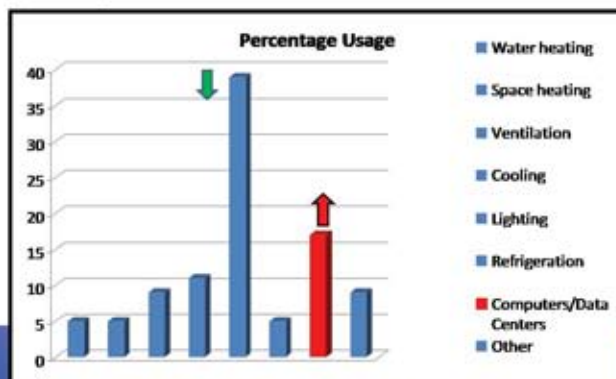
dollars fast. Data Centers containing a large number of out-dated and under-utilized servers are difficult to manage and expensive to maintain.

- Reducing server count and consolidating projects can help you gain greater efficiency.
- Fewer systems lowers data center space, power, and cooling requirements and reduces administrative tasks.
- Consolidating applications and servers can also reduce software licensing, support, and maintenance fees.

As a result, companies can achieve significant capital and operating cost reductions. Moving software running on older hardware and operating systems onto new, more powerful platforms often provides the side benefit of improving application performance.

## Utility Companies driving reduction: Typical Energy Usage Government & Institutional Users

*Data center and IT equipment in an enterprise use close to 20% of the total consumed power. Energy companies and customers are encouraged and incentivized by the DoE to reduce energy costs across the enterprise including in data centers.*



An audit is a low-cost investment that provides customized and cost-effective energy efficiency solutions for your business. Payback typically is quick and the positive cash flow is substantial. If you have utility bills in excess of \$200,000 per year, invite GEAR Energy Systems to do an on-site audit of your facilities.

## GEAR mission:

We provide simplified and cost effective energy efficiency solutions to local, state and federal government agencies, government contractors and other non-residential customers in the western United States through value added services that meet business needs while reducing electricity usage and overall enterprise costs.

## Our locations:

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A Small Service Disabled Veteran Owned Business

*“GEAR serves as the bridge to help electrical utility customers identify, develop and implement energy efficiency plans that match their business plan, yield an accretive financial return for a data center refresh or tune up and secure utility incentives and create enterprise value.”*

Nathan Grant, President & CEO,  
GEAR Energy Systems

[www.GEAREnergySolutions.com](http://www.GEAREnergySolutions.com)