



NATIONAL ENERGY
SOLUTIONS

YOUR ENERGY, YOUR SAVINGS, YOUR CHOICE

YOUR DILEMMA



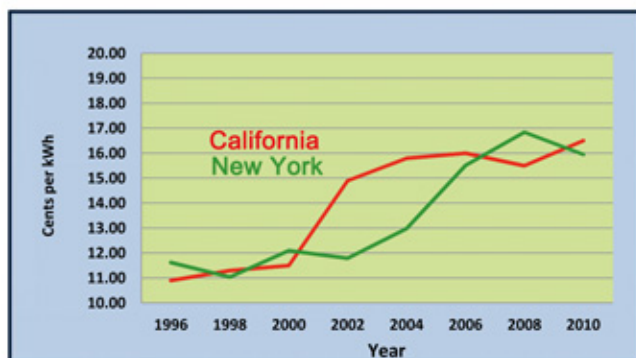
SOLVED BY NES

National Energy Solutions, LLC (NES) helps building owners and tenants realize significant savings in energy costs. We secure dramatic savings through energy audits, energy saving improvements, and installation of onsite power systems. Typically, customers can expect savings of 10-50% on current energy bills.

Rising energy costs are a challenge for all businesses, especially as costs continue to outpace inflation. NES' core services reduce these costs for our customers. Grant/tax incentives provide additional savings while promoting the public benefits of our customers' projects. Savings also result in less pollution as buildings are the number one source of greenhouse gases - ahead of transportation and industry.

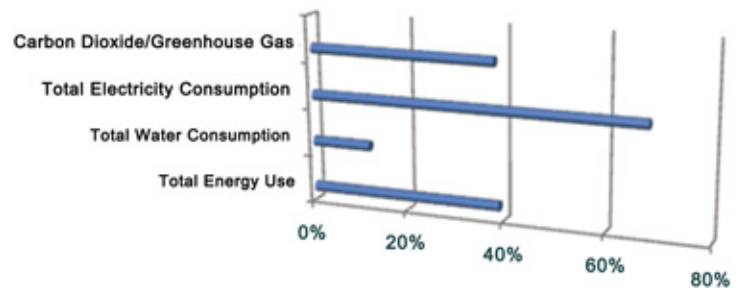
With vendor and technology neutral assessments our team provides clarity and objectivity on the choices available for significant energy savings. These proven technologies are in use at commercial/industrial properties all over the U.S., helping NES customers reduce energy bills, gain energy independence, and improve the environment.

Electricity Prices - Commercial Sector



Source: - CA and NY State Energy Agencies

Environment & Energy Impact of U.S. Buildings



Source: - U.S. Environmental Protection Agency

RENEWABLE AND CLEAN TECHNOLOGY CHOICES

These technologies are used at thousands of building/campus sites all over the world. NES evaluates the viability of installing energy efficiency upgrades and onsite power technologies. We conduct both vendor and technology neutral assessments that maximize customer profits. These technologies are supported by generous tax/grant incentives, providing significant energy savings with less pollution.



ENERGY EFFICIENCY UPGRADES – An Energy Efficiency Audit evaluates and identifies upgrade options for lighting systems, HVAC (Heating/Ventilation/Air Conditioning) systems, energy management systems and building envelope efficiency.



SOLAR PANELS – Solar panels are made of photovoltaic cells that can be installed on rooftops, carports and open space. Advantages of solar panels include no moving parts, silent operation, no emissions and decades-long panel life.



SMALL WIND TURBINES – Wind turbine advantages include quiet operation and a visible display of clean power commitment when sited on rooftops, parking lot poles and other open space areas.

OUR SERVICES

The core of NES services is a low risk, step-by-step process that provides customers with energy solutions that maximize use of government and utility incentives. NES tailors services to the needs of each customer and building site. Core services include:



- 1. ENERGY AUDIT SERVICES** – Assess building energy profile and utility rates to identify areas of excessive energy consumption and waste
- 2. ENERGY IMPROVEMENT OPTIONS** – Identify options for complementary energy efficiency improvements and onsite power technologies that further reduce energy costs
- 3. FINANCIAL AND ENGINEERING ANALYSES** – Determine cost vs. benefits of energy improvement options and key engineering issues
- 4. LEED AND ENERGY STAR BUILDING CERTIFICATIONS** – Help customers obtain building certifications that confirm energy savings and corporate/community leadership
- 5. COMPETITIVE BIDS AND CONSTRUCTION MANAGEMENT** – Competitive bids ensure the best prices and construction management ensures safe, professional installations
- 6. COMPLETE INCENTIVE PACKAGES** – Provide inspections, certifications and documentation needed for customers to obtain available tax, grant and utility incentives
- 7. OPERATIONS AND MAINTENANCE PLANS** – Develop and tailor plans to technology, customer and building-specific variables
- 8. STRATEGIC POSITIONING/GOVERNMENT AFFAIRS** – Provide strategic public and government relations services tailored to customer goals and objectives

RENEWABLE AND CLEAN TECHNOLOGY CHOICES

COMBINED HEAT AND POWER (CHP)/COGENERATION TECHNOLOGIES – The technologies below burn natural gas, creating both electricity and valuable waste heat. The waste heat can create steam, and hot or chilled water for HVAC systems. Because these technologies run 24/7 they are also valuable redundant/back-up sources of power to the often unstable grid. And where renewable biogas is available there are even higher levels of grant and tax incentives.



TURBINES AND MICROTURBINES – Evolved from turbochargers, auxiliary power units, and small jet engines. Benefits include quiet operation, low maintenance, modules sized to varying power needs, and operation both inside and outside of buildings.



RECIPROCATING INTERNAL COMBUSTION ENGINE (RICE) – Large piston driven engine. Advantages include low initial cost, mature technology, and a wide range of sizes for varied power needs.



FUEL CELLS – Use an electrochemical process to convert the hydrogen in natural gas to electricity. Some units are suitable for CHP projects. Advantages include small space requirements, very low emissions, and no moving parts.

FINANCIAL ANALYSES FOR CLEAR, PROFITABLE DECISIONS

NES works with customers through a four step process to assess energy project options, determining their profitability and savings. Each step provides our customers with increasingly detailed and site-specific financial information.

STEP 1. Preliminary Analysis to identify and show the returns of a sample project.

STEP 2. Technology Options Analysis, refined with supplier/installer initial budgets.

STEP 3. Chosen Technologies Analysis, including final bids for equipment, engineering and installation.

STEP 4. Finance-Ready Analysis, tailored to all financial parties with detail for investment decisions.

FINANCING YOUR ENERGY SOLUTIONS WITH A RANGE OF FUNDING SOURCES AND TOOLS



NES works with third party banks and investors to provide customer energy projects with profitable returns - all with low or no impact on customers' cash and investment resources. We support a range of project finance alternatives including:

- A mix of customer and third party financing
- Complete third party financing (no customer investment)

Vehicles for these finance alternatives provide important flexibility for NES customers including:

- Power Purchase Agreements
- Equipment and Operating Leases
- Traditional Financing

Nonprofit customer projects that cannot otherwise access tax-related energy project credits/deductions can benefit from inclusion of tax equity investors. NES tailors these alternatives to the needs of each project, managing the interests of all parties while prioritizing our customers.



Contact NES and begin a conversation about your energy savings choices.

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