

**General Services Administration
Federal Supply Service**

GSA Advantage! Catalog and Price List

Energy Management Services
(FSC Group 871, FSC Class R7899)

Contract No:
GS-21F-0043U

Contract Period:
March 11, 2013 – March 10, 2018

Business Size:
Small

DUNS Number:
11-4053267



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On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order are available through GSA Advantage!, a menu-driven database system. The Internet address of GSA Advantage! is: <http://www.GSAAdvantage.gov>.



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Engineering Economics, Inc. (EEI) is pleased to announce our GSA Federal Supply Schedule Contract. This contract allows us to offer **Energy and Building Commissioning Services** to federal agencies, employees and contractors through *GSA Advantage!*

Company Profile

Founded in 1984, EEI began as a small engineering consulting firm, specializing in energy audits, energy conservation measures and retrofit engineering design. Today, EEI has evolved into one of the premier providers of **Energy and Building Commissioning Services** in the country. From offices located through the United States, EEI is dedicated to helping its clients maximize the operation, performance, energy conservation and sustainability of building systems.

Our specialized service areas include:

- Building Commissioning, Retro-Commissioning, and Re-Commissioning
- Leadership in Energy and Environmental Design (LEED®) Commissioning
- Facility Assessments and Master Planning for Mechanical/Electrical/Plumbing (MEP) Systems
- Energy Audits, Energy Conservation Measures and related MEP Design
- Mechanical/Electrical/Plumbing Engineering Consulting Services

EEI has provided its clients with commissioning and retro-commissioning services since 1991 and has commissioned more than 184 million square feet of space in new and existing buildings with total construction value on these projects in excess of \$36 billion over this period. The firm has provided commissioning services for public facilities, municipal and governmental projects, universities, museums, healthcare, laboratories and correctional facilities.

Our staff includes over 60 highly trained and experienced professionals with broad experience, including energy management, controls, and indoor air quality. Our technical staff includes registered engineers, LEED® Accredited Professionals, building automation system specialists and certified commissioning authorities.

Office Locations

We serve our clients from offices located throughout the United States, including Arizona (2 locations), California (2 locations), Colorado, Indiana, Kansas, Missouri, New Mexico, North Carolina, Ohio (2 locations), Oregon, Texas, Virginia and Washington (2 locations).



Schedule of Services

The following are some of the services available under the GSA Schedule and our approved Special Item Numbers (SINs):

SIN 871-202: Energy Management Planning and Strategies

EEL has provided Energy Management Planning and Strategies for hundreds of clients over its 31 years of business. The firm is dedicated to helping clients find energy-saving solutions and implement energy conservation measures. EEL's goal is to maximum the performance and energy efficiency of building systems, which leads to the conservation of energy resources and the decrease of facility operating costs.

Consulting/Auditing/Energy Management – Our initial client services often begin with a meeting to discuss client objectives, followed by an audit/assessment of the building systems. EEL's extensive Building Commissioning experience makes the firm ideally suited to “testing” the functional performance of the building as part of this audit.

Energy Audits: Energy audits provide a better understanding of how energy is used in specific buildings and identify opportunities for energy savings. “Energy audits” commonly refer to a broad spectrum of energy studies. In its basic form, the energy audit may be a quick walk-through of the facility, identifying and examining specific problem areas. In its long form, the energy audit may include a comprehensive analysis and study of the facility's various systems with detailed recommendations for energy cost-saving measures. EEL works with clients to pinpoint their particular objectives and develop a detailed scope of services for the project, so that we can provide solutions that meet those objectives.

EEL's basic audit involves abbreviated interviews with site personnel, a brief review of facility utility bills (and other operating data), and a walk-through of the facility to become familiar with the building operation. EEL's basic report will identify significant areas of energy waste or inefficiency and provide brief descriptions of corrective measures, including estimates of the implementation cost, potential savings, and simple payback periods. Although this basic audit is adequate to prioritize energy projects, we typically recommend a more detailed energy audit.

EEL's more detailed audit expands on the basic audit described above, collecting more information about facility operation with increased analysis of the energy conservation measures identified.

- Utility bills are collected for a 12- to 36-month period, allowing the auditor to evaluate the facility's energy/demand rate structures and energy usage profiles.
- Specific tests and/or metering of energy-consuming systems are performed to quantify performance and opportunities.



*Centers for Disease Control
National Center For Infectious Disease
Fort Collins, Colorado*



- In-depth interviews with facility operating personnel are conducted to provide a better understanding of significant energy consuming systems and to gain insight into the variations in daily and annual energy consumption and demand.

This type of audit will identify most energy conservation measures appropriate for the facility. A detailed financial analysis is performed for each measure based on implementation cost estimates, site-specific operating cost savings, and the customer's investment criteria. Sufficient detail is provided to justify project implementation.

Concept Development and Requirements Analysis – Using the data collected from the audit/assessment, EEI's energy professionals, many of whom are Certified Energy Managers, will analyze the data and formulate recommendations that increase system performance and create energy savings. Where system modifications are needed, EEI has the internal expertise needed to not only recommend but also design energy-efficient solutions. As part of its analysis, EEI may include the following additional services:

Alternative Energy Source Evaluations: As part of its analysis, EEI will consider the use of renewable energy sources. EEI develops comprehensive energy master plans, alternative energy evaluations (solar, wind, geothermal and biomass), and value engineering analyses for clients in both the private and public sectors. These plans and studies include the assessment of alternative fuels, environmental protection, operational modifications, equipment performance, and management/maintenance procedures. EEI also provides facility owners/ managers with ideas on energy production through the use of combined heat & power systems, and waste-to-energy plants. These projects use the byproducts of other systems to create primary, emergency and backup energy/power.

Energy Modeling: EEI utilizes energy modeling to evaluate building energy consumption and opportunities for energy savings. Our analysis considers the thermal performance of the building envelope, the building size and orientation, building usage, occupancy and the local climate.

Regardless of which simulation or comparative method is used, the results of the model must be interpreted properly. Generally, whole building energy simulation does not accurately predict energy use because a building's energy usage is dependent on the quality of construction, system operation and maintenance, and occupant behavior. It is more useful for comparing competing energy/system alternatives.

Our energy modeling team has completed hundreds of energy models and is well versed in Trane Trace 700, California Title 24 non-residential compliance models, eQuest (DOE 2.2), Energy 10 and Energy Plus performance analysis software.

To analyze specific measures that cannot be efficiently or accurately modeled with commercially available software, EEI has developed an extensive library of spreadsheet analyses to predict energy performance. New spreadsheets are regularly developed to analyze unique situations and opportunities.

Daylight Modeling: Our daylight modeling specialists help our clients and their project teams visualize the impacts of building orientation and form, fenestration placement and design, as well as the interior design on natural lighting, glare and overall illumination.



Working with our controls specialists, our team can evaluate and recommend lighting controls modifications (i.e. auto-dimming and automated shading of windows) as a means for additional energy conservation.

Life Cycle Costing: EEI and its staff are highly experienced in providing life cycle costing – the analysis of the total cost associated with a building, system, or device over its anticipated useful life. Life cycle costing provides a more valid and consistent comparison of the present value of various system options to determine the approach that provides the lowest overall cost of ownership, with consideration of quality and function.

The life cycle costs considered as part of the firm's analysis include:

- First cost (purchase, acquisition, construction)
- Energy cost
- Operation cost
- Maintenance cost
- Repair cost
- Replacement cost
- Residual values (resale, salvage values or disposal costs)



*Environmental Protection Agency - AWBERC Annex II
Cincinnati, Ohio*

The time value of money is considered along with expected inflation of cost components. Other considerations include non-monetary costs or benefits (i.e., the benefit derived from a quiet HVAC system or from hard-to-quantify productivity gains due to improved lighting).

EEI generally provides this analysis during the pre-design or design phases. Life cycle costing is a recommended first step to guide value engineering decisions, basing design approach on the lowest overall life cycle costs, instead of lowest first cost.

Economic Evaluation: In addition to life cycle costing, EEI is very familiar with the use of many other common economic evaluation methods, including Simple Payback Period, Return on Investment, and the Benefit to Cost Ratio. We utilize several computer programs that can perform multiple (simple to sophisticated) analyses, if required.

When our clients decide which projects to fund and the funding method to use, EEI is often asked to design the capital improvements, supervise installation and commission the final product. We employ licensed professional engineers, and we are focused on providing the best long-term solution by taking into account the client's budget, the appropriate systems for the application and the abilities and resources of the operations and maintenance staff.

Energy Certification: As a leading provider of Leadership in Energy and Environmental Design (LEED®) commissioning services and as an approved Energy Star Partner, EEI is very familiar with the program requirements associated with obtaining building certification through these programs. EEI has guided many clients through the process of obtaining Energy Star and LEED® ratings from basic certifications through Platinum levels. In fact, many of the firm's Project Managers are LEED® Accredited Professionals.



Carbon Footprint Analysis: EEI's team of professionals has designed an operational carbon footprinting analysis for businesses who wish to account for, track, and ultimately reduce the emissions associated with operating a building and an organization. Our analysis aligns with international reporting methodologies and only relies on the most researched and accepted carbon reporting tools. This approach ensures that we are preparing our clients for the future of mandatory reporting. We utilize the WRI/WBCSD Greenhouse Gas Protocol to calculate carbon emissions for our clients' carbon footprint.

We strive to make our service adaptable to the various organizations and their carbon reduction goals. We understand that each organization is unique in its size, activities, and processes and therefore requires different accounting standards. Our analysis is available for both individual buildings, as well as corporate level analysis of multiple buildings and business operations to achieve a comprehensive operational carbon footprint.

Implementation and Change Management – Due to the firm's extensive facility management and construction experience, EEI can either assist the client team through the implementation process or manage that process on the client's behalf. Once the system and procedural modifications have been completed, EEI can provide the client and its team with training on the new systems and/or procedures.

Measurement and Verification – Once completed, EEI can measure the energy performance of the completed project, collecting the data needed to demonstrate the energy savings achieved. As a building commissioning provider, EEI is uniquely qualified to test, measure, document and verify the functional performance of building systems.

EEI's measurement and verification services generally consist of the following:

- Review information provided by the design team for familiarization with key energy and water use efficiency measures.
- Develop a detailed M&V plan in compliance with the LEED® requirements to guide the process.
- Utilize BMCS trending capabilities to perform the majority of the required monitoring, and identify additional monitoring requirements for dedicated data loggers or periodic manual field measurements.

As a follow-up to the M&V plan, EEI's services include:

- Monitoring performance for one year (assuming this activity will consist of monthly site visits to download data trends into suitable storage media).
- Analyzing the energy and water use efficiency measures as well as the data collected to compare to a baseline and intended performance (as an alternative, whole building energy performance can be compared to a calibrated simulation of the building).
- Documenting results of the M&V effort in a concise report.

SIN 871-203: Training on Energy Management

EEL offers training for building owners and facility managers. We introduce clients to the broad issues and opportunities driving sustainable buildings, which helps them focus on the specific strategies that will be most meaningful to their situation. EEL's services include the development of training manuals, operations and maintenance manuals, and preventative maintenance programs to maintain HVAC system performance, improve energy efficiency and achieve acceptable indoor air quality (IAQ) and indoor environmental quality (IEQ).

Our training includes, but is not limited to:

- Facility management
- Automation/control systems
- Mechanical systems design & review
- Maintenance & operation
- Operational procedures & manual
- Documentation of building systems
- System optimization
- Energy conservation measures
- Leadership in Energy and Environmental Design (LEED®)



*Fort Lewis Army Barracks
Fort Lewis, Washington*

We believe that training is a very important component of any energy efficiency project that must be addressed in each phase of the project.

SIN 871-204: Metering Services

EEL offers a full range of metering services for various building utilities, including electric, gas, water and/or steam. These services allow our clients to better understand load profiles; manage demand; allocate costs to tenants, regions, facilities, etc.; reduce consumption; negotiate with suppliers; and monitor improvements from energy conservation measures. As a Building Commissioning provider, EEL is able to quickly identify the most efficient and cost-effective means to measure system performance on a snapshot or continuous basis.

EEL has monitored energy usage through a variety of methods including, but not limited to, the use of utility interval data, utility billing data, specialized metering equipment, data loggers and the use of building automation system trending.



SIN 871-205: Energy Program Support Services

EEL provides its clients with a host of support services. As detailed under SIN 871-202 (above), these services include:

- Energy Audits
- Alternative Energy Source Evaluations
- Energy Modeling
- Daylight Modeling
- Life Cycle Costing
- Carbon Footprint Analysis
- Economic Evaluation
- Energy Certification – Energy Star & Leadership in Energy and Environmental Design (LEED®)



*US Coast Guard Commander Raymond J. Evans Shore Operations Building
Seattle, WA*

In addition, EEL can also provide the following:

Billing and Management Oversight: EEL can supply energy-related billing services that may include, but are not limited to, verifying and correcting past utility bills, correcting over-billing, analyzing consumption and costs, forecasting energy usage, and reducing administrative costs through the payment of a single bill.

Statements of Work: EEL assists agencies in preparing statements of work for energy management projects. This includes strategic source support, performance management, benchmarking/performance diagnostics, organizational design of the statement of work, and compliance with legislative and executive order requirements, where applicable.

Performance Contract Review/Consultation: EEL provides guidance and direction to clients considering the use of performance contracts. Given our significant experience with design review, energy audits, energy modeling, life cycle cost analysis, building commissioning and construction management, EEL is uniquely qualified to represent owners and work with Energy Service Companies (ESCOs) to maximize the benefits of the project while minimizing the risk to the owner.

EEL's typical services include a thorough review of the ESCO's proposal with analysis to ensure that the proposed energy conservation measures are technically and economically sound. As part of this analysis, we consider constructability, sustainability, life cycle costs, return on investment, and potential adverse impacts on comfort or indoor environmental quality. We also review the contractual agreement proposed between the ESCO and owner to ensure it is balanced and that performance results can be measured.

EEL conducts peer reviews of the ESCO's design during schematic, design development and construction document phase, including design criteria, plans, specifications, and reports. Our construction QA focuses on the installation quality, maintainability and adherence to the plans and specifications for the project. In addition, we identify omissions that could hinder start-up, preclude proper balancing of the systems, or inhibit operations over the long-term.



Once construction is completed, EEI utilizes design, product specification, field calibration, consumption, weather data, and accounting analysis tools to define and track overall building efficiency and the performance of the installed energy conservation measures, confirming energy savings.

SIN 871-206: *Building Commissioning, Retro-Commissioning, Re-Commissioning and LEED® Commissioning Services*

EEI specializes in building commissioning, retro-commissioning, re-commissioning, and Leadership in Energy and Environmental Design (LEED®) services. Since 1991, EEI has commissioned more than 184 million square feet in new and existing buildings with total construction value on these projects in excess of \$36 billion.

Commissioning is for new buildings, additions and major renovations. Commissioning is a systematic process of making buildings work and is based on a quality assurance program that starts with the creation of the project design criteria and continues through and beyond construction of the engineered systems.

According to a 2009 study conducted by Evan Mills of Lawrence Berkeley National Laboratory and sponsored by the California Energy Commission, commissioning is “arguably the single-most cost-effective strategy for reducing energy, costs and greenhouse-gas emissions in buildings today”. The study found that new building commissioning typically reduces energy usage by 13%, pays for itself in 4.2 years (excluding non-energy savings) and generates a 23% cash-on-cash return on investment. Significant non-energy benefits substantially further reduce this payback period and subsequently increase the return on investment.

Building commissioning maximizes the operational efficiency of facility systems. The commissioning process:

- Ensures fully operational critical building systems
- Lowers operating & maintenance costs
- Increases system energy efficiency
- Improves indoor air quality
- Reduces the risk of “sick building” syndrome
- Decreases occupant complaints & enhances productivity
- Provides better environmental control
- Reduces maintenance/troubleshooting issues
- Ensures well-trained facility personnel
- Provides benchmarks for future performance evaluations
- Reduces life cycle cost of the facility

**NEW BUILDING
COMMISSIONING**

EEI delivers quality assurance services through a series of commissioning activities that typically begin in the predesign/programming phase. These services can be provided as part of a complete commissioning program or exclusive from each other, depending on our clients’ needs.



Our commissioning services include:

Project Phase	Commissioning Services
Pre-design/Programming	<ul style="list-style-type: none">▪ Existing facility mechanical, electrical and plumbing (MEP) evaluations▪ Design criteria development▪ MEP systems master planning/budgeting▪ MEP alternatives life cycle costing
Design	<ul style="list-style-type: none">▪ MEP peer review▪ MEP value engineering▪ Quality assurance specifications▪ Site/factory visits/mock-up evaluations▪ Design criteria refinement
Commissioning Planning	<ul style="list-style-type: none">▪ Commissioning plan▪ Start-up/prefunctional test procedures▪ Functional test procedures
Construction Services	<ul style="list-style-type: none">▪ Basic commissioning▪ Shop drawing/submittal review▪ Construction observation▪ Commissioning scheduling coordination▪ Factory equipment tests▪ O&M staff orientation▪ Enhanced commissioning▪ Subcontractor bid evaluations▪ RFI/change order/scope/budget review▪ Construction meetings
Start-Up/Functional Testing	<ul style="list-style-type: none">▪ Commissioning meetings▪ Start-up/prefunctional testing observation▪ Test & balance review▪ Functional testing – perform or observe▪ Test result analysis & recommendations
Contractor Closeout	<ul style="list-style-type: none">▪ Punch list review/resolution▪ Record drawing review▪ O&M manual review or compilation▪ O&M training▪ “As-built” one-line diagrams▪ Final commissioning report
Warranty	<ul style="list-style-type: none">▪ Equipment warranty start dates▪ Return site visits (seasonal)▪ Building performance review▪ Performance issues



RETRO-COMMISSIONING

Retro-commissioning is the application of the commissioning process to an already existing facility. The goal: To optimize building performance and increase energy efficiency given existing systems and facility usage. Today, retro-commissioning represents nearly 40% of the EEI's service activities.



*Environmental Protection Agency Headquarters
Washington, D.C.*

The retro-commissioning process begins with the development of design criteria for the facility. These criteria are based on current needs, existing systems, and industry benchmarks for the performance of those systems. The results of system performance tests are then compared to the design criteria to identify system deficiencies and areas for improvement. The facility owner uses this information to plan, design and/or implement solutions to remedy system performance deficiencies.

The retro-commissioning approach is specific to the requirements of each individual client and project. EEI provides the following retro-commissioning services:

Retro-Commissioning Phase	Retro-Commissioning Services
Discovery	<ul style="list-style-type: none"> ▪ Existing facility evaluations ▪ Retro-commissioning plan
Repair & Tuning	<ul style="list-style-type: none"> ▪ Repair & equipment/component tuning ▪ Verification & system tuning
Renovation Planning & Budgeting	<ul style="list-style-type: none"> ▪ Renovation scope & budgeting ▪ Prioritization ▪ Renovation master plan

RE-COMMISSIONING

Re-commissioning is intended to optimize the performance of a facility that has previously been commissioned, within its current configurations. Operational criteria are established, based on the existing systems and current needs, as well as industry benchmarks for such systems. After testing, the results are compared to the criteria to order to identify system deficiencies. With this knowledge, EEI works with the facility owner to plan, design and/or implement solutions to remedy the system performance deficiencies.

EEI has worked for several years as a key Re-commissioning Service Provider for Xcel Energy – the largest energy utility in Colorado. This program is aimed at utilizing commissioning techniques to identify and analyze peak summer electrical demand reduction opportunities for large Xcel customers. The overall re-commissioning evaluation is essentially a technical energy audit, focusing on low-cost and no-cost energy-efficiency measures to achieve peak demand reduction and energy consumption savings.

Additionally, EEI was hired by the State of South Dakota, Office of the State Engineer, to provide Building Commissioning, Retro-Commissioning and Technical Energy Analysis Services for the Energy Management



Office for various buildings and central heating systems throughout the state.

LEED® COMMISSIONING

The Leadership in Energy and Environmental Design (LEED) Green Building Rating System is a voluntary, consensus-based national standard for identifying, developing and rewarding, through a point-based rating system, the integration and execution of high-performance, sustainable buildings. The program seeks to balance existing technologies with newly developed practices and techniques.

The 2009 Edition of the LEED system rates new and existing facilities in the following categories:

- Sustainable sites (SS)
- Water efficiency (WE)
- Energy & atmosphere (EA)
- Materials and resources (MR)
- Indoor environmental quality (IEQ)
- Innovation in design (ID)
- Regional priority (RP)



*National Renewable Energy Laboratory
Science & Technology Facility
Golden, Colorado
LEED® Platinum Project*

EEl is a professional member of the US Green Building Council (USGBC) and many of our staff members are LEED® Accredited Professionals. Our staff is knowledgeable of and experienced with the requirements of the LEED® Green Building Rating System. EEl's LEED® experience is an asset to the overall integrated building design process. Our commissioning services for LEED® projects focus on achieving proper facility operation at maximum energy efficiency, in addition to full compliance with LEED® commissioning requirements. EEl has performed LEED® commissioning services (certified, silver, gold or platinum levels) in 600+ buildings throughout the country.

EEl's core LEED services include Fundamental and Enhanced Commissioning.

Fundamental Commissioning of Energy Systems (EAP1) is a prerequisite for achieving LEED certification for new construction, renovation, or retro-commissioning (LEED O&M) projects. Enhanced Commissioning (EAC3) is an optional LEED activity that is worth 2 points toward LEED accreditation. EEl can also complete the requirements for Measurement and Verification (EAC5) and Indoor Air Quality Management (IEQ 3), optional LEED activities that can provide multiple points toward LEED Accreditation.

Fundamental Commissioning

- Act as commissioning authority on behalf of the owner
- Review Owner's Project Requirements (OPR, also known as design



intent) as provided by the owner, & basis of design (BOD) as provided by the engineers of record

- Provide commissioning specifications for inclusion in contract documents
- Develop a commissioning plan to guide the commissioning process
- Develop a checklist of start-up items for completion by contractors & verify proper installation & start-up of systems
- Develop functional test procedures
- Perform on-site functional testing of equipment and systems
- Provide a final commissioning report to document the entire commissioning process.

Enhanced Commissioning

- Conduct focused review of the OPR, BOD & design prior to mid CDs
- Conduct focused review & back check of CDs prior to completion
- Review contractor submittals for equipment to be tested
- Verify requirements for training operating personnel & building occupants are completed
- Develop systems manual
- Provide on-site post-occupancy review of system operation & performance. Include a plan for resolution of outstanding commissioning related issues.

Typical Systems Commissioned

- HVAC
- Controls
- Domestic Water Heating
- Lighting Controls
- Building Envelope
- Renewable Energy Systems
- Life Safety Systems (optional)
- Backup Power Systems (optional)

SIN 871-207: Energy Audit Services

EEL's energy audit services are detailed under SIN 871-202 above.

SIN 871-208: Resource Efficiency Management

As detailed under SIN 871-202 above, EEL can provide the detailed audits and analysis services needed to ensure each facility, related facilities or an entire campus are maximizing system performance while minimizing energy consumption. EEL's focus is on the development of sustainable systems which will benefit the facility owner/manager in the long term.

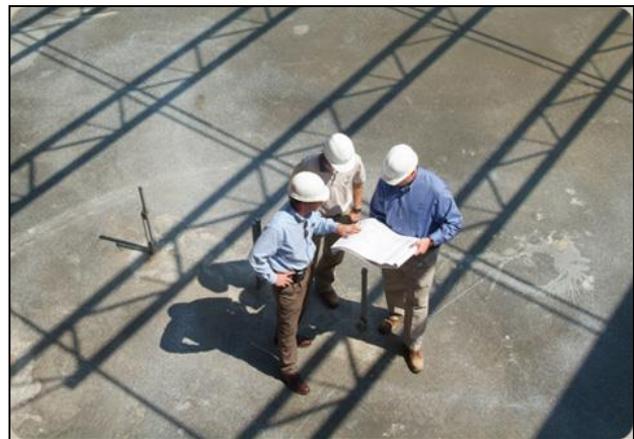


As noted previously, EEL's services will include an audit and analysis of the current operations, equipment and energy purchasing patterns. More detailed analysis may also include alternate energy source evaluations, energy modeling, life cycle costing, and life cycle modeling.

As a leading provider of Leadership in Energy and Environmental Design (LEED®) commissioning services and as an approved Energy Star Partner, EEL is very familiar with the program requirements associated with obtaining building certification through these programs. EEL has guided many clients through the process of obtaining Energy Star and LEED® ratings from basic certifications through Platinum levels. In fact, many of the firm's Project Managers are LEED® Accredited Professionals.

SIN 871-209: Innovations in Energy

EEL has been actively involved in the development of comprehensive energy master plans, renewable and alternative energy evaluations (solar, wind, biomass, geothermal and waste-to-energy), and value engineering analyses for clients in both the private and public sectors. These plans and studies include the assessment of alternative fuels, environmental protection, operational modifications, equipment performance and management/maintenance procedures. EEL also provides facility owners/managers with ideas on energy production through the use of combined heat & power, and waste-to-energy plants. These projects use the byproducts of other systems to create primary, emergency and backup energy/power.



SIN 871-210: Water Conservation

EEL's team provides consulting services in the reduction of water usage, recycling of water for multiple purposes, retention of water, improvement of water quality and water flow. These services can include, but are not limited to, facility water audits, water balance, and water system analysis.

Our team works to uncover opportunities to improve water usage through improvement in areas such as storm water, water reuse, and water retention. Existing facilities, new construction and tenant improvements all leverage our expertise in the purchasing of efficient water systems, fixtures and landscape design. Our technical services include Computational Fluid Dynamics (CFD) modeling which gives teams the power to simulate flows of gases and liquids and heat and mass transfer through computer modeling.

SIN 871-211: Energy Consulting Services

EEL believes in tailoring comprehensive energy management solutions to match the specific needs of each client. We provide expert advice, assistance, guidance and/or counseling on energy-related projects or initiatives and have partnered with numerous government agencies



in meeting energy legislation and directives such as EPACT 2005, Executive Orders 13423 and 13514.

Consulting services covered by this SIN include:

- Energy management/strategies
- Energy program planning and evaluations
- Energy-related studies, analyses, benchmarking and reporting (including feasibility studies, vulnerability assessments, and energy security)
- Carbon emissions trading programs
- Renewable energy credits/certificates
- Greenhouse gas measurement and management
- Strategic sustainability performance planning
- High performance sustainable buildings
- Meeting energy efficient building standards such as Leadership in Energy and Environmental Design (LEED®), Green Globes and Energy Star
- Alternative financing for energy projects such as Energy Savings Performance Contracts, Power Purchase Agreements or Enhanced Use Leases
- Networked energy management systems and services that utilize Internet Protocol - Next Generation (IPv6) enabled systems

Partial Client List

Our clients include a number of nationally recognized Fortune 500 companies, government, institutional, commercial, industrial and non-profit organizations. Some of our clients include:

Governmental

Centers for Disease Control
 Defense Commissary Agency
 Department of Defense
 Environmental Protection Agency
 General Services Administration
 Library of Congress
 National Aeronautics and Space Administration
 National Park Service
 National Renewable Energy Laboratory
 U.S. Postal Service
 Veterans Administration

Private

Amgen
 Boeing
 Capital One
 Catholic Health Initiatives
 Disney
 Hewlett-Packard
 J. Paul Getty Trust
 Lockheed-Martin Astronautics
 Microsoft
 Pfizer
 Toyota



Price Lists

EEL is pleased to offer the following GSA-approved hourly rates for all services procured through GSA *Advantage!* This provides GSA and its customers with our **Best Customer Pricing** through 2018.

Title	GSA APPROVED HOURLY RATE			
	2015	2016	2017	2018
Principal III	177.17	182.48	187.96	193.60
Principal II	159.45	164.24	169.17	174.24
Principal I	138.89	143.06	147.35	151.77
Project Manager IV	157.14	161.86	166.71	171.71
Project Manager III	143.53	147.83	152.27	156.84
Project Manager II	135.93	140.00	144.20	148.53
Project Manager I	124.69	128.44	132.29	136.26
Jr. Project Manager	116.86	120.36	123.97	127.69
Sr. Engineer	116.24	119.72	123.32	127.02
Sr. Field Technician	122.34	126.01	129.79	133.68
Project Engineer	99.58	102.56	105.64	108.81
Technician	94.51	97.35	100.27	103.28
Jr. Engineer	81.80	84.25	86.78	89.38
Jr. Technician	62.58	64.46	66.39	68.38
Production Specialist	89.25	91.93	94.69	97.53
CADD Operator	71.43	73.57	75.78	78.05
Administrative Support	57.71	59.44	61.22	63.06

EEL is offering a quantity discount to GSA *Advantage!* customers. For individual task orders greater than \$500,000, rates will be discounted 2%. Individual task orders greater than \$1 million will be discounted 3%.

Purchasing Information

Contractor: Engineering Economics, Inc. (EEL)

Contract No.: GS-21F-0043U

Contract Period: 3/11/2013 – 3/10/2018

Awarded Special Item Numbers: Schedule 03FAC: Facilities Maintenance Management
 SIN 871-202: Energy Management Planning / Strategies
 SIN 871-203: Training on Energy Management
 SIN 871-204: Metering Services
 SIN 871-205: Energy Program Support Services
 SIN 871-206: Building Commissioning
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 SIN 871-209: Innovations in Energy
 SIN 871-210: Water Conservation
 SIN 871-211: Energy Consulting Services
 SIN 003-97: Ancillary Repair & Alterations
 SIN 871-100: Other Direct Costs



Minimum/Maximum Order: \$100 / \$1,000,000

Geographic Coverage: Worldwide

Points of Production: Arizona, California, Colorado, Indiana, Kansas, Missouri, New Mexico, North Carolina, Ohio, Oregon, Texas, Virginia, and Washington

Discounts: All prices reflect the net price for services

Quantity Discounts: 2% discount on task orders > \$500,000
3% discount on task order > \$1 million

Prompt Payment Terms: Net 30 Days

Payment Methods: Electronic wire, check, Visa, MasterCard, and other Government procurement cards

Time of Delivery: Negotiated for individual task orders

FOB Point: Destination

Ordering/Payment Address: Engineering Economics, Inc.
780 Simms Street, Suite 210
Golden, Colorado 80401
Attn: Blake Hickok

Ordering Email: Blake.Hickok@eeiengineers.com

Company Website Address: www.eeiengineers.com

EEl/GSA Program Manager: Blake Hickok, COO/CFO
Phone: (800) 869-6902
Email: Blake.Hickok@eeiengineers.com

Business Size: Small

NAICS: 541380, 541690, 541330, 236220 and 238220

DUNs Number: 114053267

Central Contractor Registration: EEI is listed in CCR database.