Energy Engineering & Consulting Services, LLC

Generals Service Administration
Federal Supply Service

Authorized Federal Supply Schedule Price List
Prices Shown Herein are Net (discount deducted)

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 GSA Advantage! is: GSAAdvantage.gov.

Schedule: 03FAC Facilities Maintenance and Management
FSC Groups: Energy Management, Water Conservation and Support Services
Maintenance and Management Solutions for Real Property

For more information on ordering from Federal Supply Schedules click on the FSS Schedules button at fss.gsa.gov.

Contract Number GS-10F-0346S
Base Contract Period July 21, 2006 to July 20, 2011
Extended Contract Period July 21, 2016 to July 20, 2021

Contact: Dennis R. Zappone, Sr. Energy Engineer
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Swayzee, IN 46986

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Phone: 765-922-7286

Small Veteran-Owned Business
1a. Table of awarded special item numbers with appropriate cross-reference to item descriptions and awarded prices.

Schedule 03FAC Facilities Maintenance and Management

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See Item Descriptions starting on page 4 and Awarded Pricing starting on page 8.

1b. Identification of the lowest priced model number and lowest unit price for that model for each special item number awarded in the contract. This price is the Government price based on a unit of one, exclusive of any quantity/dollar volume, prompt payment, or any other concession affecting price. Those contracts that have unit prices based on the geographic location of the customer, should show the range of the lowest price, and cite the areas to which the prices apply. Not applicable

1c. If the Contractor is proposing hourly rates, a description of all corresponding commercial job titles, experience, functional responsibility and education for those types of employees or subcontractors who will perform services shall be provided. See Labor Categories, Minimum Requirements, and Descriptions starting on page 9.

2. Maximum order. $1,000,000
3. Minimum order. $100
4. Geographic coverage (delivery area). International
5. Point(s) of production (city, county, and State or foreign country). Not applicable
6. Discount from list prices or statement of net price. Prices Shown Herein are Net (discount deducted)
8. Prompt payment terms. Information for Ordering Offices: Prompt payment terms cannot be negotiated out of the contractual agreement in exchange for other concessions. 1% Net 29 Days
9a. Notification that Government purchase cards are accepted at or below the micro-purchase threshold. Yes
9b. Notification whether Government purchase cards are accepted or not accepted above the micro-purchase threshold. Will accept government purchase cards for above the micro-purchase threshold.
10. Foreign items (list items by country of origin). Not Applicable
11a. Time of delivery. (Contractor insert number of days.) Negotiated between contractor and ordering agent.
11b. Expedited Delivery. The Contractor will insert the sentence "Items available for expedited delivery are noted in this price list." under this heading. The Contractor may use a symbol of its choosing to highlight items in its price lists that have expedited delivery. Not Applicable
11c. Overnight and 2-day delivery. The Contractor will indicate whether overnight and 2-day delivery are available. Also, the Contractor will indicate that the schedule customer may contact the Contractor for rates for overnight and 2-day delivery. **The contractor shall deliver or perform services in accordance with the terms negotiated with the Ordering Activity.**

11d. Urgent Requirements. The Contractor will note in its price list the "Urgent Requirements" clause of its contract and advise agencies that they can also contact the Contractor's representative to effect a faster delivery. **Not Applicable**

12. F.O.B. point(s). **Not Applicable**

13a. Ordering address. **Energy Engineering & Consulting Services, LLC; 2137 South 800 West; Swayzee, IN 46986**

13b. Ordering procedures: For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPA's) are found in Federal Acquisition Regulation (FAR) 8.405-3 and a sample BPA can be found at the GSA/FSS Schedule homepage (fss.gsa.gov/schedules).

14. Payment address. **Energy Engineering & Consulting Services, LLC; 2137 South 800 West; Swayzee, IN 46986**

15. Warranty provision. **Standard Commercial Warranty**

16. Export packing charges, if applicable. **Not Applicable**

17. Terms and conditions of Government purchase card acceptance (any thresholds above the micropurchase level). Government purchase cards will be accepted for all orders.

18. Terms and conditions of rental, maintenance, and repair (if applicable). **Not Applicable**

19. Terms and conditions of installation (if applicable). **Not Applicable**

20. Terms and conditions of repair parts indicating date of parts price lists and any discounts from list prices (if applicable). **Not Applicable**

20a. Terms and conditions for any other services (if applicable). **Not Applicable**

21. List of service and distribution points (if applicable). **Not Applicable**

22. List of participating dealers (if applicable). **Not Applicable**

23. Preventive maintenance (if applicable). **Not Applicable**

24a. Special attributes such as environmental attributes (e.g., recycled content, energy efficiency, and/or reduced pollutants). **Not Applicable**

24b. If applicable, indicate that Section 508 compliance information is available on Electronic and Information Technology (EIT) supplies and services and show where full details can be found (e.g. contractor's website or other location.) The EIT standards can be found at: [www.Section508.gov](http://www.Section508.gov). **Not Applicable**

25. Data Universal Number System (DUNS) number. **177850943**

26. Notification regarding registration in Central Contractor Registration (CCR) database. **Contractor is registered with the System for Award Management—SAM Database; Cage Code: 39VZ7**

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**Company Overview**

Energy Engineering & Consulting Services, LLC (EECS) is a small veteran-owned business with a GSA Contract (#GS-10F-0346S) to provide energy and maintenance services for the federal government. EECS is a company that specializes in optimizing of facilities’ equipment and systems. Our maintenance and operational background has allowed EECS to be extremely successful in providing retro-commissioning services, energy efficiency programs, and in-depth engineering analyses of true systems’ performance to our clients. EECS has performed the services in facilities ranging in size from 50,000 to 6,500,000 square feet of conditioned space. EECS has worked successfully in hospitals, large manufacturing facilities, commercial buildings, universities, military installations and government facilities.
EECS has analyzed the performance of highly complex systems including industrial scale HVAC, chilled-water, boiler, and compressed air systems.

EECS identifies inefficiencies in the performance of facility systems and develops solutions. This is accomplished by applying sound analyses procedures to improve the maintenance program, life cycle of the equipment, and the overall energy efficiency of the facility. EECS is able to supply these services through in-depth knowledge of maintenance and operational procedures, retro-commissioning, and functional performance testing. After qualifying true inefficiencies or root causes of the problem EECS is able to make recommendations based on sound technical, management, and economic measurements which will result in achieving a highly effective operation for the client. EECS has a full-range of instruments to perform in-depth engineering analysis and for comprehensive testing of systems’ performance.

EECS’ abilities to identify inefficiencies in the performance of facilities’ equipment and systems stems from our skilled personnel whom have obtained decades of actual hands-on experience in repairs, maintenance management, and engineering analyses of facilities’ systems related to performance in maintenance and operations. EECS personnel have managed and worked with maintenance staff in large industrial and commercial facilities throughout the United States. Our personnel have also worked with the Department of Defense (DOD) on identifying inefficiencies in facility systems on military bases throughout the world.

**Awarded SIN Descriptions**

**GSA Contract # GS-10F-0346S**

**Schedule: 03FAC Facilities Maintenance and Management**

**Energy Management, Water Conservation, and Support Services**

**871 202---Energy Management Planning and Strategies**

A four-phase Comprehensive Energy Management Solution consisting of all four phases of an energy project and could pertain to a variety of energy projects that include, but are not limited to, renewable energy, sustainable energy, and energy efficient buildings certification programs such as LEED.

1. Consulting/Auditing/Energy Management Solutions - The strategic planning, energy assessments e.g. feasibility, vulnerability and other detailed assessments, developing and executing of energy audits, audit plans and energy management solutions.
2. Concept Development and Requirements Analysis - The analysis of the audit results and outlined requirements to design a detailed energy management project concept.
3. Implementation and Change Management - The implementation and integration of more energy efficient practices and systems and training in using them effectively.
4. Measurement and Verification - The performance assessment and measurement of the effectiveness and energy efficiency of the project and can include long term monitoring, verification of savings and benchmarking.
871-203 Training on Energy Management

Including, but not limited to, reducing energy consumption, mitigating risk with energy systems, operating systems efficiently, making energy efficient system choices, and energy efficient buildings certification programs such as LEED.

871-204 Metering Services

Including, but not limited to, the installation of metering equipment and software used for the collection of data and measurement of energy consumption through electric, gas, water or steam utilities, the utilization of data to ensure energy conservation goals are being met, and allows for the measurement and tracking of the cost effectiveness of energy technology investments. This could include basic metering services, advanced metering services, maintenance, installation, removal and disposal of new or existing equipment. Security clearances such as HSPD-12 may be required.

871-205 Energy Program Support Services

Including, but not limited to, billing and management oversight and assistance in preparing energy services related agency statements of work. Energy efficient buildings certification programs such as LEED may be included.

871-206 Building Commissioning Services

Including, but not limited to, comprehensive building commissioning services on new construction, major modernization projects, and existing energy consuming buildings and facilities designed to ensure the building systems are designed and built to operate as efficiently as possible. This includes re-commissioning and retro-commissioning services. Energy efficient buildings certification programs such as LEED may be included.

871-207 Energy Audit Services

Including, but not limited to, developing, executing, and reporting on audit plans and/or performing energy and water audit services. Energy audits may range from cursory to comprehensive. Including, but not limited to data collection, data analysis, benchmarking with tools such as Energy Star, and written recommendations of suggested upgrades of electrical and mechanical infrastructure, including their impact on energy consumption and pollution can include recommendations for using alternative Energy Sources. Audit services can include computerized control systems using analytical software and a network of electronic devices to assist Federal agencies with achieving energy conservation goals. Energy efficient buildings certification programs such as LEED may be included.

871-208 Resource Efficiency Management (REM)

This service involves the utilization of an on-site Resource Efficiency Manager or advocate to assist federal agencies with sustainability initiatives/improvements. These advocates shall work on-site at federal facilities. REM contracts are typically one year long with an option to renew for two or three years. Services could include, but are not limited to, energy usage
assessments, providing recommendations on possible steps to improve energy efficiency, progress tracking on sustainability improvements, reporting, etc. Energy efficient buildings certification programs such as LEED may be included.

871-209 Innovations in Renewable Energy

Innovative approaches to renewable energy. These might include, but are not limited to, new developments or improvements in providing renewable energy and managing energy through biomass conversion, solar energy, fuel cells, geothermal energy, hydropower (tidal power, wave power, tidal stream power, waterwheels, and hydro electricity), wind power or other sources, and the maintenance of renewable energy systems. These approaches should be capable of providing renewable and/or sustainable energy and sustainability services that are more carbon-neutral, thereby lessening dependence on traditional non-renewable, fossil fuel sources of energy such as coal, oil, natural gas and propane.

871-210 Water Conservation

Water Conservation: Services and consulting related to the reduction of water usage, reduction of potable water consumption intensity, reduction of industrial, landscaping and agricultural water consumption, promoting, and implementing water reuse strategies, recycling of water for multiple purposes, retention of water, improvement of water quality and water flow. Also includes consulting on storm water run-off and property hydrology maintenance and restoration. These services can include, but are not limited to, consultation, facility water audits, water balance, and water system analysis.

871-211 Energy Consulting Services

Contractors shall provide expert advice, assistance, guidance or counseling on energy related projects or initiatives to assist agencies in adhering to energy legislation and policy such as EPACT 2005, Executive Orders 13423 and 13514. Consulting services covered by this SIN include:

• Energy management or strategy
• Energy program planning and evaluations
• Energy related studies, analyses, benchmarking and reporting such as feasibility studies, vulnerability assessments, and energy security
• Assistance in meeting energy efficient building standards such as Leadership in Energy and Environmental Design (LEED), Green Globes and Energy Star.
• Advisory services in obtaining alternative financing for energy projects such as Energy Savings Performance Contracts, Power Purchase Agreements or Enhanced Use Leases
• Consulting on carbon emissions trading programs
• Consulting on where to obtain renewable energy credits/certificates
• Consulting on greenhouse gas measurement and management
• Strategic sustainability performance planning
• Consulting on obtaining high performance sustainable buildings
• The implementation, testing and evaluation of networked energy management systems and services that utilize Internet Protocol - Next Generation (IPv6) enabled systems
**Maintenance and Management Solutions for Real Property**

**811-205 Refrigeration, Heating, Ventilation, Air Conditioner, Boiler and Chiller HVAC Maintenance**

Services related to providing heating and ventilation services. Service could include, but are not limited to, cleaning; air balancing; restoration and de-contamination of HVAC systems or any combination of providing plant equipment; materials; tools; transportation; supervision; labor to perform all repairs; periodic preventative maintenance (PPM); and emergency service work calls to ensure continual operations of refrigeration; heating; ventilation; air conditioner; boiler; Geothermal heat pump systems; renewable energy systems; and boiler and chiller systems.

NOTE: These services may include the supply or use of environmentally sustainable products such as those meeting U.S. Department of Energy/Federal Energy Management Program specifications or Energy Star certified products.

**811-206 Facilities Maintenance and Management Consulting**

Services that include, but are not limited to: the development, planning, facilitation, coordination, documentation, program planning, audits, inspections, evaluations, studies, analyses (including cost), scenarios, reports, policy and regulation development assistance for initiatives in areas of facilities maintenance and management solutions. Includes Smart Building Consulting. Also includes cyber security as it relates to building control and automation systems affecting components such as fire annunciation and suppression, heating, ventilation, and air conditioning, power and lighting, elevators, and closed circuit cameras. Services may include, but are not limited to, assessing the cyber risks of a facility, making recommendations for safeguards and countermeasures, and implementing software and procedures to ensure Federal facilities are protected consistent with the Federal Information Security Management Act (FISMA) guidelines and other applicable policy.
Special Discounts for SINs 871-202 through 871-211:

1. In the instance when a Federal ordering office issues (and funds an award) a task order for at least 1920 hours of service within a 360-day period, the ordering office shall be granted the quantity discount rate of $87.55/hour. Labor categories included at this rate would be the Managing Principal, Levels I, II, & III of Energy Engineer, and/or Project Manager. All levels below the $87.55/hour rate would be charged at the GSA hourly rate listed in the table.

2. A Federal ordering office shall be eligible to receive a new customer discount rate of $77.25/hour for the first 80 hours of service the first time the ordering office utilized the firm’s services. To obtain this discount, the ordering office must be at a location that has not previously made an award of any kind to the firm (e.g., under the firm’s Energy Services contract or under a separate contract or order) and the Ordering Officer or Contracting Officer must not have previously made an award of any kind to the firm. Labor categories included at this rate would be the Managing Principal, Levels I, II, & III of Energy Engineer, and/or Project Manager.
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<td>Managing Principal</td>
<td>Bachelor of Science degree in Mechanical Engineering and 30 years’ experience with in-depth knowledge of industrial-size HVAC and other energy intensive systems; also possess in-depth HVAC design knowledge</td>
<td>Coordinate, direct, and manage all program activities; manage all personnel responsible for specific functions or phases of program; and market services to new customers. Develop in-depth analysis of the existing system’s energy efficiency and the projected efficiency after energy enhancements; develop performance tests, analyze results; prepare analysis for technical report; and engineer retrofits and new designs for large-scale HVAC systems and other energy intensive systems.</td>
</tr>
<tr>
<td>Senior Energy Engineer I</td>
<td>Bachelor of Science degree in Mechanical Engineering and 20 years’ experience with in-depth knowledge of industrial-size HVAC and other energy intensive systems; also possess in-depth HVAC design knowledge.</td>
<td>Develop in-depth analysis of the existing system’s energy efficiency and the projected efficiency after energy enhancements; develop performance tests, analyze results; prepare analysis for technical report; and engineer retrofits and new designs for large-scale HVAC systems and other energy intensive systems.</td>
</tr>
<tr>
<td>Senior Energy Engineer II</td>
<td>Bachelor of Science degree in Mechanical Engineering and 15 years’ experience with in-depth knowledge of industrial-size HVAC and other energy intensive systems; also possess in-depth HVAC design knowledge.</td>
<td>Develop an analysis of the existing system’s energy efficiency and the projected efficiency after energy enhancements; gather field data, prepare charts and graphs of performance, analyze results; prepare analysis for technical report; engineer retrofits for HVAC systems and other energy intensive systems; verify or commission building’s performance; and complete initial energy audits.</td>
</tr>
<tr>
<td>Senior Energy Engineer III</td>
<td>Bachelor of Science degree in Mechanical Engineering or Bachelor of Science degree in Electrical Engineering and 7 years’ experience; strong knowledge of commercial and light industrial-size HVAC and other energy intensive systems.</td>
<td>Gather field data, prepare charts and graphs of performance; perform engineering calculations; analyze results; assist Senior Energy Engineers I and II; verify or commission of building’s performance; and complete initial energy audits.</td>
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<tr>
<td>Data Collection Technician</td>
<td>2-year tech degree and 3 years’ experience in HVAC systems along with other energy intensive systems.</td>
<td>Install and retrieve data collection equipment; prepare data for review; gather manufacturer’s data specifications for equipment; maintain inventory of instruments and certification; and assist engineers as needed.</td>
</tr>
<tr>
<td>Project Manager</td>
<td>Engineering degree (4-year college degree in electrical, chemical or mechanical engineering) and/or 5 years’ experience in project management ranging from commercial to industrial projects.</td>
<td>Responsible for managing installation of new equipment, systems, and modifications; interfacing with mechanical and electrical contractors in the installation phase; and monitoring and maintaining project budget.</td>
</tr>
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| Technical Writer | **Minimum Qualifications:** 2 years of college, which includes an English writing course, preferably in technical writing. 3 years’ experience in technical writing. The individual must possess some mechanical aptitude, be able to develop EXCEL spreadsheets of data gathered in the field, and be able to interface with engineers for preparation of reports.  
**Description:** Provide technical and scientific editing and quality control review of documents for customer. Assist engineers in preparing technical presentations—written and/or multimedia presentations. |
|------------------|--------------------------------------------------------------------------------------------------|
| Program Manager  | **Minimum Qualifications:** BSME and 10 years’ experience with in-depth knowledge of facility maintenance and operational procedures for large-scale HVAC equipment and systems.  
Able to identify root cause of problems and systems’ performance and work well with management and trade skilled personnel. This will also include in-depth knowledge of computerized maintenance management systems, DDC, Microsoft Word, and is able to develop computerized spreadsheets. Also required is a solid knowledge of energy management systems.  
**Description:** Ensure that all projects are delivered on-time, within scope, and within budget. Develop a detailed project plan to track progress. Coordinate resources and vendors for project. Maintain project documentation. Monitor and maintain project budget. Manage changes to project scope, schedule, and costs. Manage relationship with the client and all stakeholders. Analyze root cause of problems. Assist maintenance personnel by analyzing root cause of problems and systems’ performance. |
| Project Manager  | **Minimum Qualifications:** BSME or equivalent 10 years of hands-on experience of facility maintenance and operational procedures for large-scale HVAC equipment and systems.  
Able to identify root cause of problems and systems’ performance. Work well with management and trade skilled personnel. This will also require in-depth knowledge of computerized maintenance management systems, DDC, Microsoft Word, and is able to develop computerized spreadsheets. Also required is solid knowledge of energy management systems.  
**Description:** Responsible for managing installation of new equipment, systems, and modifications. Interface with mechanical and electrical contractors in the installation phase. Assist maintenance personnel to determine root cause of problems and systems’ performance. Develop preventive maintenance program. |
| Administration    | **Minimum Qualifications:** Associate degree in business management or administration and/or 3 years’ experience in accounting, payroll, and/or clerical duties.  
**Description:** Provide general administrative support to program staff and assist the managing principal. |
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<td>Assistant Project Manager</td>
<td>BSME or equivalent 5 years of hands-on experience of facility maintenance and operational procedures for HVAC equipment and systems as well as general maintenance of facility electrical and mechanical systems. Able to work well with management and trade skilled personnel. General knowledge of computerized maintenance management systems, DDC, Microsoft Word, and is able to develop computerized spreadsheets.</td>
<td>Assist Project Manager in all aspects of project management including installation of new equipment and systems and interfacing with contractors. Assist Project Manager with preventive maintenance program.</td>
</tr>
<tr>
<td>Supervisor</td>
<td>Trade skilled degree in HVAC or equivalent and 10 years of hands-on experience of facilities maintenance and operation procedures for HVAC equipment and systems and general maintenance of facilities electrical and mechanical systems. Able to work well with management and trade skilled personnel.</td>
<td>Prioritize work and tasks to be completed, organize schedules, assign work, oversee and coordinate the workers responsible for repair, installation, or maintenance. Implement maintenance procedures.</td>
</tr>
<tr>
<td>Technician</td>
<td>2-year tech degree and 3 years' experience in HVAC systems along with other energy consumption systems.</td>
<td>Conduct a variety of tests using established methods, adjusting and operating equipment, recording test data, and pointing out deviations resulting from equipment malfunction or observational errors. Extract engineering data from non-standardized sources and organize the data in a prescribed format.</td>
</tr>
<tr>
<td>HVAC Maintenance</td>
<td>2-year tech degree and/or 5 years’ experience in HVAC equipment and systems’ repair ranging from commercial to industrial size equipment.</td>
<td>Install, service, and repair HVAC—Heating, Ventilation, and Air-Conditioning—equipment</td>
</tr>
<tr>
<td>Electrician, Maintenance</td>
<td>3 years’ experience with electrical troubleshooting, wiring schematics, and high voltage power up to and 4160 volts.</td>
<td>Perform a variety of electrical trade functions such as the installation, maintenance, or repair of facility equipment and electrical circuits.</td>
</tr>
<tr>
<td>General Maintenance</td>
<td>3 years’ experience in general HVAC, electrical, plumbing, carpentry, and general facilities maintenance.</td>
<td>Perform general maintenance and repair of equipment and buildings requiring practical skill and knowledge (but not proficiency) in such trades as painting, carpentry, plumbing, masonry, and electrical work.</td>
</tr>
<tr>
<td>Office Administration</td>
<td>3 years’ experience in office administration, good written and verbal skills</td>
<td>Provide general administrative support to program staff and assist the managing principal.</td>
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