

GENERAL SERVICES ADMINISTRATION

Federal Supply Service *Authorized Federal Supply Schedule Price List*

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Schedule for - Environmental Services

Federal Supply Group: 899 **Class:** F999

Contract Number: GS-10F-0146T

For more information on ordering from Federal Supply Schedules click on the FSS Schedules button at <http://www.fss.gsa.gov>

Contract Period: February 09, 2007 through February 08, 2012

Contractor: Enercon Services, Inc.
5100 E. Skelly Dr., Suite 450
Tulsa, OK 74135 6547

Business Size: Large Business

Telephone: (575) 202-3380 or (918) 665-7698

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Contract Administration: Robert (Bob) Sanders

Alternate Contact Person: Mike Fitter

Alternate Contact Phone: (918) 665-7698

Alternate Contact Fax: (918) 665-7232

CUSTOMER INFORMATION:

1a. Table of Awarded Special Item Number(s) with appropriate cross-reference to page numbers: 899-1 RC, 899-2 RC, 899-3 RC, 899-4 RC, 899-7 RC, and 899-8 RC.

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.

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

(CUSTOMER INFORMATION: Continued)

subcontractors who will perform services shall be provided. If hourly rates are not applicable, indicate "Not applicable" for this item.

2. **Maximum Order:** \$5,000,000.00
3. **Minimum Order:** \$100.00
4. **Geographic Coverage (delivery Area):** Domestic and Overseas
5. **Point(s) of production (city, county, and state or foreign country):** Tulsa, OK; Oklahoma City, OK; Kennesaw, GA; Dallas, TX; Houston, TX; Germantown, MD; Murrysville, PA; Raleigh, NC; Wilmington, NC; Oakland, CA; Mount Arlington, NJ; Tampa, FL
6. **Discount from list prices or statement of net price:** Government net prices (discounts already deducted). See Attachment.
7. **Quantity discounts:** None Offered
8. **Prompt payment terms:** 2% - 15 days, Net 30 days
- 9a. **Notification that Government purchase cards are accepted up to the micro-purchase threshold:** Yes
- 9b. **Notification whether Government purchase cards are accepted or not accepted above the micro-purchase threshold:** will accept over \$2,500
10. **Foreign items (list items by country of origin):** None
- 11a. **Time of Delivery (Contractor insert number of days):** Specified on the Task Order
- 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 list that have expedited delivery: Contact Contractor
- 11c. **Overnight and 2-day delivery:** The Contractor will indicate whether overnight and 2-day delivery is available. Also, the Contractor will indicate that the schedule customer may contact the Contractor for rates for overnight and 2-day delivery: Contact Contractor
- 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: Contact Contractor
12. **F.O.B Points(s):** Destination
- 13a. **Ordering Address (es):** Same as Contractor
- 13b. **Ordering procedures:** For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPA's), and a sample BPA can be found at the GSA/FSS Schedule homepage (fss.gsa.gov/schedules).

(CUSTOMER INFORMATION: Continued)

14. **Payment address (es):** Same as company address
15. **Warranty provision:** Contractor's standard commercial warranty.
16. **Export Packing Charges (if applicable):** N/A
17. **Terms and conditions of Government purchase card acceptance (any thresholds above the micro-purchase level):** Contact Contractor
18. **Terms and conditions of rental, maintenance, and repair (if applicable):** N/A
19. **Terms and conditions of installation (if applicable):** N/A
20. **Terms and conditions of repair parts indicating date of parts price lists and any discounts from list prices (if applicable):** N/A
- 20a. **Terms and conditions for any other services (if applicable):** N/A
21. **List of service and distribution points (if applicable):** N/A
22. **List of participating dealers (if applicable):** N/A
23. **Preventive maintenance (if applicable):** N/A
- 24a. **Environmental attributes, e.g., recycled content, energy efficiency, and/or reduced pollutants:**
N/A
- 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. contactor's website or other location.) The EIT standards can be found at:**
www.Section508.gov/.
25. **Data Universal Numbering System (DUNS) number:** 07-2120215
26. **Notification regarding registration in Central Contractor Registration (CCR) database:**
Registered

Enercon Services Statement of Qualifications

Introduction

ENERCON SERVICES, INC. (ENERCON) is an employee owned engineering, environmental, technical, and management services firm providing a broad range of professional services to private and government sector clients throughout the United States. Since 1983, the company has consistently provided superior services to clients through innovation, diligence and commitment. The information in this Statement of Qualifications (SOQ) provides an overview and history of our company; provides details on the services we provide; and presents projects that we have completed.

(CUSTOMER INFORMATION: Continued)

Who We Are

ENERCON is an engineering, environmental, technical, and management services firm providing a diverse portfolio of services to clients in the energy, process, manufacturing, telecommunications and government sectors. With over 1000 professionals in a broad range of disciplines, we have substantial capabilities that help our clients to address both today's and tomorrow's problems. ENERCON has built its reputation over a 26-year period through forming lasting partnerships with our clients.

What We Do

ENERCON is a premier engineering design firm with an outstanding reputation for innovation, responsiveness, cost effective solutions, and technical excellence. Using computer aided engineering and computer aided design with multi-disciplined teams of engineers and designers, ENERCON routinely tackles plant and facility design as well as specialized projects to upgrade existing systems, structures and components. ENERCON blends operations and maintenance expertise into each engineering project ensuring that from conceptual design to finished product, each project is designed with the end user in mind.

ENERCON excels in supporting clients in addressing complex environmental issues including ensuring compliance with regulations; identifying, evaluating and mitigating environmental liabilities; developing and implementing comprehensive environmental management systems and; implementing effective strategies to reduce or eliminate environmental pollution. ENERCON's staff includes environmental engineers, geologists, hydrologists, and other scientists and technicians with extensive "hands on" experience in developing and implementing programs.

ENERCON provides a broad range of operations support services to help clients improve performance. Typical services include regulatory compliance, training, procedure development, maintenance program design and optimization, risk management, custom software development, and quality improvement.

ENERCON has consistently helped clients improve performance, increase output, and manage operations costs.

ENERCON provides sophisticated management consulting services to help clients optimize organizational performance. ENERCON completes detailed diagnostic evaluations to identify strengths and weaknesses along with internal barriers to achieving optimum performance. ENERCON helps to achieve excellence in management systems and processes as well as improve leadership, communications, and accountability.

Who Are Our Clients?

ENERCON is a recognized leader in supporting commercial nuclear power plants as well as other forms of electrical power generation, transmission, and distribution. ENERCON also provides extensive support to petrochemical refining operations and firms involved in natural gas production and distribution. ENERCON supports a broad range of local, state, and federal government agencies.

ENERCON's clients include:

- Utilities
- Oil Companies
- Manufacturers

(CUSTOMER INFORMATION: Continued)

- Financial Services Companies
- Aerospace Firms
- Telecommunications Firms
- Government Agencies

Company History

ENERCON was founded in 1983 and got its start in supporting startup and operations of nuclear power plants. From three people and four clients, the company quickly grew to a diversified, multi-disciplined company with a solid reputation for innovation, excellence, responsiveness, and commitment to partnership with its clients.

In 1989, the company expanded its portfolio of services to include environmental and industrial services for a broad range of clients. ENERCON's work in the environmental services sector was a logical outgrowth of the company's proven track record of helping utilities comply with complex regulations governing nuclear power plant operations. ENERCON successfully applied its understanding of high-hazard activities and sophisticated technology along with a commitment to cost effective problem solutions to a new group of clients.

In 1992, ENERCON made a significant management commitment to support local, state, and federal government agencies in their missions of meeting the diverse needs of their constituents. ENERCON brought its extensive experience in the private sector to the public sector and quickly developed a reputation for applying the best and most innovative management practices and processes to the needs of its public sector clients.

ENERCON is committed to building long-term relationships with our clients. Our first four clients remain among its largest clients today. Based on consistently meeting and exceeding client expectations, ENERCON has grown into a major firm supporting a broad range of clients and services. A significant fraction of ENERCON's work represents "repeat business" with clients we have helped before. The company now has a staff of over 550 professionals located in 14 offices distributed from California to New Jersey.

Today, the company's client base includes dozens of fortune 500 clients, the country's largest operators of commercial nuclear power plants, and state and federal agencies. Enercon is providing cutting edge services to address new security issues at operating nuclear power plants, to design systems to store spent nuclear fuel, to increase the power output of current reactors, and to complete studies for siting potential new nuclear power plants.



"Enercon Services, Inc. has been recognized by Engineering News Record as one of the [Top 25 Power Engineering Firms](#) and one of the top [200 Environmental Firms](#)."



(CUSTOMER INFORMATION: Continued)

Enercon Office Locations

ENERCON is a national firm with offices strategically located throughout the United States to support the company's clients.

Tulsa, Oklahoma
(Corporate Headquarters)
5100 E Skelly Drive
Suite 450
Tulsa, OK 74135
Phone: 918 665-7693
Fax: 918 665-7232

Oklahoma City, Oklahoma
6525 N. Meridian
Suite 503
Oklahoma City, OK 73116-6500
Phone: 405 722-7693
Fax: 405 722-7694

Kennesaw, Georgia
500 Townpark Lane
Suite 275
Kennesaw, GA 30144-5509
Phone: 770 919-1930
Fax: 770 919-1932

Dallas, Texas
12100 Ford Road
Suite 200
Dallas, TX 75234
Phone: 972 484-3854
Fax: 972 484-8835

Houston, Texas
1700 W Loop South
Suite 825
Houston, TX 77027
Phone: 713 941-0401
Fax: 713 941-0402

Germantown, Maryland
12850 Middlebrook Road
Suite 304
Germantown, MD 20874
Phone: 301 972-5221
Fax: 301 972-5393

Murrysville, Pennsylvania
4499 Old William Penn Highway
Murrysville, PA 15668-1809
Phone: 724 733-8711
Fax: 724 733-4630

Raleigh, North Carolina
1 Exchange Plaza
Suite 601
Raleigh, NC 27601
Phone: 919 755-0006
Fax: 919 833-6007

Wilmington, North Carolina
4018 Oleander Drive
Building C, STE 3
Wilmington, NC 28403
Phone: 910 791-0169
Fax: 910 798-1660

Tampa, Florida
14502 North Mabry Hwy
Suite 200
Tampa, FL 33618
Phone: 813 962-1800
Fax: 813 962-1881

Oakland, California
401 Roland Way
STE 230
Oakland, CA 94621
Phone: 510 632-1734
Fax: 510 632-1731

Mount Arlington, New Jersey
400 Valley Road
Suite 301
Mount Arlington, NJ 07856
Phone: 973 601-0510
Fax: 973 601-0515

Our offices are linked through a Wide Area Network to support fluid communication, strategic sharing of information and resources, and to provide direct connections to client information management systems.

Professional Services

Enercon has in-depth experience in each of the following technical fields. Our staff includes professionals with extensive knowledge in the following disciplines: environmental and process engineering, remediation, biology, geology, geophysics, planning, architecture, economics, hydrology, hydrogeology, environmental programs and compliance, industrial hygiene, industrial safety, chemistry, communications, federal and state regulations, crisis management, management programs and computer science. Following this table are the details of the services that we can provide under each area of the Special Item Numbers awarded under our GSA contract.

Environmental Site Assessments

- Site and facility assessments
- EPA compliance audits

Air Quality Services

- Emission inventory
- Construction permitting

(CUSTOMER INFORMATION: Continued)

- Property Condition Assessments
- Phase I and II assessments
- Phase III services
- Compliance programs

Remediation Services

- Remedial investigations
- Feasibility studies
- Risk Assessments
- Groundwater treatment systems
- Waste stream treatment
- Conceptual remediation design
- Facility operation and maintenance
- Bioremediation
- Computer modeling
- Brownfield redevelopment services

Permitting and Regulatory Compliance

- SARA Title III, Form R's, Tier II filings
- RCRA permits
- NPDES permits
- SPCC plan development
- Treatment facility siting
- Permit negotiation
- Transportation and disposal permits
- Closure plans
- Compliance monitoring
- Mining permits
- USCOE dredge and fill permits

Storm Water Permitting and Compliance

- Permitting assistance
- Regulatory interface
- Storm water pollution prevention plans
- Best management practices
- Monitoring/reporting
- NOI filings
- Sampling assistance/programs

Industrial Hygiene and Safety

- Safety program assessment
- Process safety management
- Compliance audits
- OSHA VPP assistance
- Hazard communication program
- Chemical exposure assessments
- Indoor air quality
- Noise surveys
- Training seminars

- Atmospheric dispersion modeling
- Title V permitting
- Accidental release program 112(r)
- NESHAP compliance
- NSPS Compliance
- PSD Permitting
- Stack Testing / Performance Testing
- Opacity testing / readings
- Pollution prevention
- Compliance Audits

Construction Management

- Facility design/build
- Soil and Groundwater remediation
- Decontamination/decommissioning
- Underground storage tank removal
- Air emission control systems
- Water treatment systems

Asbestos and Lead Based Paint

- Asbestos & lead based paint inspections
- Sample collection
- Operation and maintenance programs
- Abatement design and specifications
- Abatement management
- Air testing
- Industrial hygiene support

Design Services

- Preliminary design
- Concept development
- Design changes/modifications
- Design & development
- Construction management
- Start-up assistance
- Air pollution control systems
- Fueling Systems
- Fleet Management System

Geologic and Hydrogeologic Studies

- Subsurface Investigations
- Landfill Site Investigations
- Groundwater Monitoring
- Geophysical Investigations
- Computer Modeling

UST Assessment and Closure

- Compliance assessment
- UST evaluation and investigation

(CUSTOMER INFORMATION: Continued)

Information Management

- Geographical information system
- GPS database development
- P&ID development/CAD Services
- Custom software development
- Database development

Solid and Hazardous Waste Management

- Waste minimization programs
- RCRA Part B permitting
- Property transfer assessments
- Regulatory awareness training
- Site management
- Community right-to-know
- MSDS programs
- Compliance audits
- Superfund site management
- Storm water management
- Solid waste landfill design

Oil and Gas Industry Services

- Oil and brine contamination studies
- NORM material studies
- Site remediation
- SPCC plans
- Environmental Audits
- EPA compliance audits
- Phase I, II, & III property transfer assessments

Training

- Health and Safety Training
- Hazardous Waste Operations
- Emergency Response Training
- Regulatory Compliance Training
- Hazard communication training
- Confined space training
- RCRA training
- ISO 14000 training
- SWPPP requirement

- Removal and disposal
- Leak monitoring system design
- Soil remediation
- Groundwater cleanup
- New facility design/installation

Risk Management

- Clean Air Act 112r RMP
- Process Safety Management
- Hazard assessment
- Prevention programs
- Response programs
- FMEA, What-if, Fault Tree
- Hazop facilitation
- Source modeling
- Consequence analysis

Emergency Planning

- Facility reviews and plan updates
- Plan preparation
- Scenario development
- Exercise support
- Exercise evaluation and training
- Emergency response

Operations Support Services

- Procedure development
- Maintenance program rewrites
- Engineering control procedures
- System response procedures
- Alarm response procedures
- Emergency operating procedures
- SPCC plan development
- P&ID development/updates

NEPA Compliance

- Scoping study
- NEPA EA Preparation
- NEPA EIS Services
- Endangered species surveys
 - Environmental Reports
 - Early Site Permits

Special Item Number Details

ENERCON provides services and has experience in the following areas of SIN-899-1:

- Environmental Impact Statements Under NEPA
- Endangered Species and/or Wetlands Analysis
- Watershed and Other Natural Resource Management Plans

(CUSTOMER INFORMATION: Continued)

- Archeological and/or Cultural Resource Management Plans
- Environmental Program Management and Environmental Regulation Development
- Economic, Technical and/or Risk Analysis
- Vulnerability Assessments
- Biochemical Protection
- Identification and Mitigation of Threats
- Crime Prevention Through Environmental Design (CPTED) Surveys.

ENERCON provides services and has experience in the following areas of SIN-899-2:

- Environmental Compliance Audits
- Compliance Management and/or Contingency Planning
- Permitting
- Spill Prevention/Control and Countermeasure Plans
- Pollution Prevention Surveys
- ISO 14000, Environmental Management Systems (EMS)
- Community Right-to-Know Act Reporting

ENERCON provides services and has experience in the following areas of SIN-899-3:

- Standard Off-the-Shelf Courses
- Customized Course Development and Computer-based Interactive Courses
- Computer Based Course Development
- Conversion of Existing Courses to Electronic Media

ENERCON provides services and has experience in the following areas of SIN-899-4:

- Data Collection, Feasibility or Risk Analysis
- RCRA/CERCLA Site Investigation
- Hazard and/or Non Hazard Exposure Assessments
- Waste Characterization and Source Reduction Studies
- Review and Recommendation of Waste Tracking or Handling Systems
- Waste Management Plans and/or Surveys
- Waste Minimization/Pollution Prevention Initiatives
- Review of Technologies and Processes Impacting Waste Management
- Management, Furnishing or Inventory of Material Safety Data via CD, Internet, Facsimile, Mail or Other Media
- Development of Emergency Response Plans

Enercon provides services and has experience in the following areas of SIN-899-7:

- Mapping and Cartography
- Natural Resource Planning.
- Site Selection
- Migration Pattern Analysis
- Pollution Analysis
- Emergency Preparedness Planning
- Geologic Logs, Topographic Data, 3D/4D Interactive Visualization Packages
- Data Interpretation

(CUSTOMER INFORMATION: Continued)

ENERCON provides services and has experience in the following areas of SIN-899-8:

- Preparation, Characterization, Field Investigation, Conservation and Closure of Site.
- Long Term Monitoring/Long Term Operation (LTM/LTO)
- Containment, Monitoring and/or Reduction of Hazardous Waste Sites
- Ordnance Removal and Support
- Excavation, Removal, Transportation, Storage, Treatment and/or Disposal of Hazardous Waste**
- Wetland Restoration
- Emergency Response
- UST/AST Removal
- Air Monitoring
- Soil Vapor Extraction; Stabilization/Solidification; Bio-Venting; Carbon Absorption and/or Reactive Walls and Containment

Example Environmental Services Projects

1. ***316(b) Compliance Services*** – Enercon was awarded the contract to provide EPA §316(b) support services to the Northeast Nuclear Fleet for Entergy Operations, Inc. The stations included in this agreement are:

- James A. Fitzpatrick Nuclear Power Plant
 - Vermont Yankee Nuclear Power Plant
 - Pilgrim Nuclear Power Plant
 - Indian Point Unit #1 LLC
 - Indian Point Unit #2 LLC
-
- These services began with an initial review of plant specific requirements, availability of both engineering and environmental data, potential for compliance associated with each of the defined EPA options, efficacy of appropriate technology solutions, and likely paths forward for strategy development.
 - The next stage of our support included the development and standardization of multiple Proposals for Information Collection (PIC) documents. This process began with a more detailed evaluation of available data along with a “gap” analysis relative to potential compliance options at each site. Direct agency discussions were held, as needed, to establish reasonable sampling collection and quality assurance programs. All PICs will be assembled and submitted to the appropriate agencies within calendar year 2006.
 - Development of Comprehensive Demonstration Study documents will continue over the next two years as defined within each PIC with an emphasis on demonstrating current compliance with regulatory performance criteria. Periodic discussion and negotiation with the appropriate permitting authorities is planned to foster positive working relationships and beneficial review of these important submittals.
 - In addition, Enercon is performing conceptual budget development for these sites to assist the plants in establishing appropriate capital and operating budgets to complete the 316(b) components of permit renewal and implement any physical or operational changes ultimately needed for compliance.

(CUSTOMER INFORMATION: Continued)

2. ***Environmental Report*** - Entergy Nuclear requested Enercon to develop key components of the Environmental Report (ER) required for Entergy's Indian Point Energy Center NRC Operating License Renewal Application. The format and content of the ER was developed in accordance with Regulatory Guide 4.2S1 - Supplement 1 to Reg. Guide 4.2 Preparation of Supplemental Environmental Reports for Applications to Renew Nuclear Power Plant Operating Licenses. Components of the ER developed included: Site and Environmental Interfaces, The Proposed Action, Environmental Consequences of the Proposed Action and Mitigating Actions, Alternatives to Proposed Action and Comparison of Environmental Impact of License Renewal with the Alternatives.
 - This project addresses environmental impact and corresponding mitigation of the proposed license renewal and will serve as the base document from which the NRC will develop the EIS for the proposed action. For this review, Enercon considered aspects of the project related to impingement & entrainment of fish, heat shock, surface and groundwater hydrology & water use, air quality, demography, land use and cultural resources for the existing plant and alternatives.

3. ***316(a) Thermal Variance Demonstration*** - As part of the negotiation of an NPDES permit renewal, PADEP proposed thermal discharge limits at this power plant located on the Conemaugh River near Johnstown, Pennsylvania. In previous permits, no temperature limits were specified due to the acid impacted nature of the receiving waters. The client was faced with either the extraordinary expense associated with the installation of a cooling tower to meet the proposed thermal discharge limits or the development of a Thermal Variance Demonstration in accordance with section 316(a) of the Federal Water Pollution Control Act. This project included work plan preparation; seasonal biological; chemical, and environmental sampling; sediment and thermal plume mapping; and report preparation.
 - In developing the Thermal Variance Demonstration, a series of nineteen temperature data-loggers were installed within the Conemaugh River both upstream and downstream of the plant to provide data used to map the thermal plume. The in-stream temperature of the river was continuously monitored by the temperature monitors in relation to the operation of the station and the flow in the river. Thermal information was digitally downloaded for a one year period to allow mapping of the thermal plume under varying flow conditions. This thermal data was supplemented by four seasonal in-stream monitoring events. In addition, marker dye studies were performed to define the actual mixing zone of the plant's heated discharge. Seasonal biological sampling consisted of macroinvertebrate and fish studies for all key river habitat encountered within the mixing zone of the discharge.
 - Upon completion and submittal of the final report for this project, the PADEP issued a thermal variance for the discharge and no thermal limits were established. This successful project help the existing power station to avoid several million dollars in cost associated with the installation of a cooling tower to comply with the proposed temperature limits.

4. ***Intermittent Release Study for a Hydroelectric Plant-*** This multi-year river study was performed in response to a proposed conservation release for an existing hydroelectric plant situated on the Clarion River. The goal of the study was to project the potential benefit of the proposed intermittent release and make a determination regarding the expected water quality improvement associated with the proposed release in comparison to the historic daily releases. This project included the development of a work plan, development of stage-discharge curves for the Clarion River and its major tributaries in the study area, sampling and analysis, wetted perimeter studies at select river transects, interpretation of field data and report preparation.

(CUSTOMER INFORMATION: Continued)

- Key aspects of the project involved working closely with the PA Fish and Boat Commission, U.S. Fish and Wildlife and U.S. Army Corps of Engineers to design and implement the test release program. In addition, this project included the direction and coordination of field forces operating around the clock, in coordination with the operation of the hydroelectric plant to safely implement the test release work plan.
 - Upon completion of the field sampling and testing, the data was compiled and a summary report was produced that allowed the owner of the plant to negotiate a more favorable conservation release that minimized the impact of the release on plant operations.
5. ***Permitting of Residual Waste Landfills*** - This project consisted of re-permitting two existing disposal facilities serving two coal-fired generating stations in accordance with the requirements of Pennsylvania's Residual Waste Management regulations. One facility originally was permitted to accept flyash, bottom ash and pyrites while the second facility was originally permitted to accept FGD sludge stabilized with flyash and lime. The client's goal was to re-permit both disposal facilities to accept residual waste streams from either station in compliance with the new regulations with no major design or operational impact. This necessitated the pursuit of a number of waivers and alternate designs from the requirements of the regulation in order to achieve the project goal.
- Accordingly, two permit applications were compiled representing the existing facilities, along with proposed waivers and alternate designs, in a manner that allowed PADEP to approve the application and issue two Residual Waste Landfill Permits with the appropriate conditions. The applications included all mapping and drawings, geotechnical analysis, groundwater monitoring plan, waste acceptance plan, operating plans and closure plans. Each waiver and alternate design requested was granted and PADEP ultimately issued appropriate permits for each disposal area.
6. ***Wetland, Habitat and Forest Stand Delineation*** - Overhead electrical transmission line support in three states was provided by this project. Tasks on the project were requested on an as-needed basis over two three-year periods. As new or upgraded transmission line construction was identified, the route was reviewed with respect to the presence of wetlands, T&E habitat and/or documentation of forest stands (Md. only).
- Project activities involved the identification and delineation of wetlands, including the associated field marking, surveying and mapping. Wetland and stream information in the right-of-way was collected in a manner to expedite changes in line route and to allow efficient preparation of permit applications, if needed. In the event agency consultations required investigation of T&E species along the right-of-way, appropriate field habitat evaluations for the subject flora and/or fauna were conducted.
7. ***NPDES Permit Renewal Applications*** - Complete renewal application packages were developed for four operating Pennsylvania generating stations; two coal-fired stations and two hydroelectric stations. Water balances and flow diagrams were updated, appropriate sampling and analysis was conducted, stormwater was included into the applications, chemical additives were updated and each application was compiled and submitted prior to the regulatory deadline. Support was provided, as required, during the review of the renewal applications. All four facilities were issued renewed NPDES permits.
8. ***Emergency Ash Pond Cleaning*** - In compliance with Dam Safety and Water Quality permits, an emergency ash pond used to store an ash slurry during periods when the slurry injection disposal system was not available required cleanout. It was estimated that approximately 400,000 tons of ash

(CUSTOMER INFORMATION: Continued)

needed to be dewatered and placed in the newly constructed dry disposal area (residual waste landfill) at the station. The challenge in emptying the emergency ash pond involved dewatering the flyash in an efficient manner to levels where the ash could be effectively transported to and place in the landfill. The large volume of the material needing to be moved along with the potential need to utilize the emergency ash pond during cleaning complicated this project.

- Dewatering studies were conducted to identify an efficient dewatering method for the material. Upon dewatering, the original plan was to truck the ash approximately five miles and place in compacted lifts into the recently permitted landfill. During the initial stages of this project, the material was approved for beneficial use by PADEP and PennDot and was ultimately placed in the I-279 highway embankment north of Pittsburgh. The highway embankment was the largest ash highway embankment east of the Mississippi at the time of construction. This beneficial use of flyash saved the station and PennDot an estimated one million dollars each.
9. ***Ash Slurry Injection Pipeline Routing and Design*** - Since 1970, this southwestern Pennsylvania generating station has disposed of flyash by injecting an ash-water slurry into the deep mine beneath the station. Periodically, the injection wells tended to lose efficiency and eventually plug. Due to the unpredictable behavior of the injection system, the station implemented the policy of developing backup injection points so that, in theory, the injection system was always available in the event an injection borehole plugged. This project involved identifying an alternate borehole location, performing pump tests to confirm the new borehole's capability to accept the slurry, select a slurry pipeline route, prepare the design and specification of the slurry pipeline and borehole and prepare permit applications as needed.
- Project activities included evaluating mine maps to select potential borehole locations, performing test drilling to confirm mine voids at the potential locations, performing a 72 hour pump test of the proposed borehole location, monitoring mine water levels during the pump test, selecting a pipeline route minimizing wetland impacts and stream crossings, designing a double-wall pipeline system with a leak detection system and developing a construction package for the project.
10. ***Residual Waste Baseline Audits: 22 Gas Facilities*** - Waste stream auditing was conducted at 22 shop and compressor station sites for a natural gas utility. For this audit, residual waste streams were identified in preparation for the completion of the residual Waste Biennial Reports required by Pennsylvania's Residual Waste Management regulations. Activities included a site walkdown, waste stream generation review, evaluation of the need for chemical analysis, quantification of amount of residual waste generated and documentation of ultimate disposition.
- Upon completion of the audits, chemical analysis was developed, source reduction strategies for each waste stream were identified and biennial reports were completed in compliance with the regulations. This client's residual waste submittal was completed and transmitted to PADEP prior to the regulatory deadline.
11. ***Evaluation of Replacement Wetland*** - As part of the development of an ash disposal landfill, approximately 0.5 acres of existing wetland was relocated on the landfill property under permit by PADEP. In compliance with the conditions of the permit, the replacement wetland was evaluated periodically with respect to function, value and overall condition. A field team consisting of an engineer, a soil scientist and an aquatic biologist reviewed the wetland created at the disposal facility identifying and documenting the type and condition of existing vegetation, recording hydrologic conditions and observing the overall function and value of the wetland in its current condition.

(CUSTOMER INFORMATION: Continued)

12. ***92 Miles, 670 Acre Wetland Delineation, Permitting and Mitigation*** - Enercon completed this 93-mile pipeline with terminus in Texas City, for Universal Ensco. Enercon's Houston office has completed several pipeline-permitting projects for Universal Ensco. All of the projects involved Section 404 Wetlands Delineation and Section 10 Water, surveys of threatened and endangered species, and investigations into cultural and historic resources USACE Galveston District permitting and mitigation. Enercon worked with the Client, the USACE, Federal and State Wildlife Agency Officials, and numerous other commenting agencies.
13. ***Over 150 Sites for BP America, Inc. in Last Two Years*** - An active oil & gas exploration and production company, BP America, Inc. (formerly Vastar Resources & BP Amoco) contracts Enercon to provide rapid response pre-construction (pipelines, drilling pads & access roads), Environmental Plans & Reports to satisfy the requirements for NEPA, CWA NPDES Pollution Prevention, U.S. Army Corps of Engineers permitting compliance, National Historic Preservation Act (cultural resources and SHPO consultations) and the Threatened and Endangered Species Act (Section 7c & 10 Consultations) in Texas, Oklahoma, Arkansas and Louisiana. Enercon Houston has provided this full suite of plans and reports for 100's of sites/projects in the last 2 years.
14. ***Beetle Coalition – Oklahoma*** - Enercon assisted with the development of a blanket agreement between the oil & gas industry and FWS regarding management practices to allow construction projects (w/o a federal nexus) to continue during winter months without adversely impacting dormant American Burying Beetles. Enercon negotiated with various agencies and stakeholders including Fish and Wildlife Service, Environmental Protection Agency, Bureau of Land Management, University of Oklahoma, and the Oklahoma Independent Petroleum Association to create a blanket agreement. In addition, Enercon is currently assisting with a programmatic agreement to allow large construction projects (with a federal nexus) to proceed during winter months. This agreement will be undertaken through the various federal agencies which may require permits of the oil & gas industry, primarily the EPA
15. ***SPCC Plan Development, Texas, Oklahoma, and Louisiana*** - Enercon developed SPCC Plans for a Corporation's District Offices, Processing Plants and Compressor Stations system-wide. This project included 138 sites, 424 tanks, and 326 spill containment systems that had to be evaluated. The plans conformed to EPA requirements and American Petroleum Institute's (API) guidance documents for onshore production facilities. Enercon conducted field research to obtain data for each of the Operating Districts, Processing Plants, and Compressor Stations. Enercon developed a format for the plans including sections for General Information, Design and Operating Information, along with appropriate site maps.
 - Information reviewed for each site included spill history, local contacts for emergency call-out and response, description of containment systems along with capacity, development of spill scenarios and estimates of maximum credible spill event, location of navigable waters, and documentation to demonstrate compliance with 40 CFR 112.
 - Enercon provided descriptions of existing facility design for Facility Drainage, Bulk Storage Tanks, Fluid Transfer Operations, and Security. The drainage description included a description of valves, pumps, ejectors or other equipment to remove fluids from diked areas. The procedure for removal or drainage was also described including the procedure for inspection for pollutants and valving security. Other areas discussed included oil traps, sumps, and skimmers if these features were present. Bulk storage tank design features were described in the plans.

(CUSTOMER INFORMATION: Continued)

- Enercon conducted field inspections of all facilities, compressor stations, and tank locations using a site checklist to document 1) Size of facilities; 2) Location of storage facilities and distribution lines; 3) Tank design, materials and fail safe features for tanks; 4) Nature of secondary containment; 5) Arrangement of flow control devices on containment features; 6) Verification of key site features; and 7) Accessibility limitations. After final examination, Enercon certified the plan was prepared in accordance with 40 CFR 112.
16. ***Prototype testing of Burner Design*** - Enercon conducted burner testing at a Research and Development Center in Tulsa, Oklahoma. Enercon's scope was to sample and analyze particulate and other emissions for two test conditions at the Burner Test Facility. The data was used to support engineering evaluation of emission rates and to confirm proper burner design parameters. Enercon personnel used a high temperature probe assembly and EPA Method 5 train. Tests conducted included:
- Emission tests performed for particulates using EPA Method 5;
 - Sulfur dioxide performed using EPA Method 6 (Determination of Sulfur Dioxide from Stationary Sources);
 - Nitrogen Oxides determined using EPA Method 7E (Determination of Nitrogen Oxides Emissions from Stationary Sources);
 - Carbon Monoxide Emissions determined using EPA Method 10 (Determination of Carbon Monoxide from Stationary Sources);
 - Gas Analysis for CO, O₂, Excess air, and Dry Molecular Weight determined using EPA Method 3;
 - Total Gaseous Organic Concentration determined using EPA Method 25A (Determination of Total Gaseous Organic Concentration using a Flame Ionization Detector).
 - All points were surveyed for temperature, pressure, physical parameters, associated velocity, and as necessary, moisture content analyzed. Three (3) runs were collected for each parameter and analyzed per EPA requirements. Enercon also assisted with stack review, port sizing, and job safety.
17. ***Pipeline Construction Permitting Project*** - Enercon provided environmental permitting services for a planned 4-mile long, 6-inch diameter hydrocarbon products pipeline between the Westlake Petrochemical and PPG plants in Lake Charles, Louisiana. This Turn-key lump-sum project (expedited schedule) tasked Enercon to develop an environmental permitting plan to acquire a Nationwide 12 Permit for construction within the legally allowed (to the USACE) time frame. This project required expert liaison between the project personnel and regulatory agencies and development of a carefully crafted environmental permit application package that addressed critical environmental impacts to several bayous and streams, both forested (several) and herbaceous wetlands (over 30) through up-front mitigation planning.
- Enercon provided subcontractor oversight for a wetlands field assessment and delineation report of the planned route. In addition, Enercon provided environmental consulting services throughout the route selection process to the project design and engineering contractor, and developed the Storm Water Pollution Prevention Plan (SWPPP) for the construction bid package.
18. ***Title V and Air Operating Permits*** - Enercon provided Clean Air Act Title V Permitting for a large automotive catalyst manufacturing plant. Enercon completed the following tasks:
- Develop detailed project strategy and work plan.
 - Review information provided by the manufacturing plant for completeness.

(CUSTOMER INFORMATION: Continued)

- Assess the facility's potential to emit.
 - Perform detailed regulatory applicability analysis.
 - Perform analysis of compliance with applicable requirements.
 - Identify and describe alternative operating scenarios.
 - Develop process and air pollution control equipment descriptions and complete all permit application forms required to procure operating permits.
 - Develop compliance plans/schedules for unresolved compliance issues.
 - Prepare and assemble documents and draft application forms for review.
 - Finalize operating permit applications for submittal to the ODEQ and EPA.
19. ***Duke Energy GIS Site Selection*** - Enercon performed a site selection for Duke Energy in accordance with the EPRI Siting Guide. For this study, five primary criteria (ex. Seismic, Water Availability, Population Density, Dedicated Land Use, and Regional Ecological Features) were analyzed. Each criterion was screened against the other criteria to illustrate land areas that were suitable for the desired facility. The final result was a collection of maps displaying the final screened areas, providing the client the capability to see how each criterion interacted with the final selection. This project demonstrates experience in mapping and cartography; site selection; natural resource planning; migration pattern analysis; and pollution analysis.
20. ***Large Regional GIS Site Selection*** - Enercon has developed a GIS system, multiple databases, and search mechanisms for large regional site selections. This project included mapping and analyzing multiple criteria (ex. Population Density, Critical Habitat, Hydrology, and Transportation). Using the EPRI Siting Guide, each criterion was screened against the others to develop a collection of land areas that were suitable for the desired facility. The results of this analysis, both digital and hard copy maps, were then used to complete the study and identify the primary and two alternative sites. This project demonstrates experience in mapping and cartography; site selection; natural resource planning; migration pattern analysis; emergency preparedness planning, and geologic logs, topographic data, 3D/4D interactive visualization packages.

(CUSTOMER INFORMATION: Continued)

Enercon Standard Labor Category Descriptions

Labor Category	Education Requirements	Experience Requirements	Minimum Training	Duties and Responsibilities	Certifications – Desired but not required
Program Manager	BS Degree Engineering or Science	15+ Years	N/A	Manage Programs and Projects	PE or Certified Project Manager
Senior Project Manager	BS Degree Science	10-15 Years	N/A	Manage Projects	PE or Certified Project Manager
Project Manager	BS Degree Engineering or Science	5-10 Years	N/A	Manage Projects	PE or Certified Project Manager
Principal Scientist	BS Degree Science	15+ Years	N/A	Perform tasks in the Archeology, Biology, Chemistry, Geology, Hydrology, etc. areas	N/A
Senior Scientist	BS Degree Science	10-15 Years	N/A	Perform tasks in the Archeology, Biology, Chemistry, Geology, Hydrology, etc. areas	N/A
Scientist	BS Degree Science	5-10 Years	N/A	Perform tasks in the Archeology, Biology, Chemistry, Geology, Hydrology, etc. areas	N/A
Associate Scientist	BS Degree Science	0-5 Years	N/A	Perform tasks in the Archeology, Biology, Chemistry, Geology, Hydrology, etc. areas	N/A
Principal Engineer	BS Degree Engineering	15+ Years	N/A	Perform Engineering tasks as required	PE Registration
Senior Engineering Specialist	BS Degree Engineering	15+ Years	N/A	Perform Engineering tasks as required	PE Registration
Engineer Specialist	BS Degree Engineering	10-15 Years	N/A	Perform Engineering tasks as required	PE Registration

(CUSTOMER INFORMATION: Continued)

Labor Category	Education Requirements	Experience Requirements	Minimum Training	Duties and Responsibilities	Certifications – Desired but not required
Senior Engineer	BS Degree Engineering	5-10 Years	N/A	Perform Engineering tasks as required	PE Registration
Engineer	BS Degree Engineering	0-5 Years	N/A	Perform Engineering tasks as required	PE Registration
Associate Engineer	BS Degree Engineering	0-5 Years	N/A	Perform Engineering tasks as required	EIT Registration
Principal Program/Project Engineer	BS Degree Engineering or Science	15+ Years	N/A	Manage Projects and provide Engineering Support	N/A
Senior Program/Project Engineer	BS Degree Engineering or Science	10-15 Years	N/A	Manage Projects and provide engineering support	N/A
Program/Project Engineer	BS Degree Engineering or Science	5-10 Years	N/A	Manage Projects and provide engineering support	N/A
Technical Staff Consultant	BS Degree Engineering or Science	15+ Years	N/A	Provide Senior Level Expertise in a specified Scientific or Engineering discipline	N/A
Scientific Specialist	BS Degree Engineering or Science	15+ Years	N/A	Provide Senior Level Expertise in a specified Scientific discipline	N/A
Designer	BS Degree Engineering	5-10 Years	N/A	Provide detailed engineering designs	N/A
Senior Project Control Rep.	BA Degree Business	10-15 Years	N/A	Provide project cost, scheduling, and other accounting functions	N/A
Project Control Rep.	BA Degree Business	5-10 Years	N/A	Provide project cost, scheduling, and other accounting functions	N/A
Associate Project Control Rep.	BA Degree Business	0-5 Years	N/A	Provide project cost, scheduling, and other accounting functions	N/A

(CUSTOMER INFORMATION: Continued)

Labor Category	Education Requirements	Experience Requirements	Minimum Training	Duties and Responsibilities	Certifications – Desired but not required
Senior Administrative Specialist	High School Diploma	5+ Years	N/A	Perform general Administrative and office management duties as required	N/A
Administrative Specialist	High School Diploma	0-5 Years	N/A	Perform general Administrative and office management duties as required	N/A
Senior Administrative Assistant	High School Diploma	5+ Years	N/A	Perform general Administrative and office management duties as required	N/A
Administrative Assistant	High School Diploma	0-5 Years	N/A	Perform general Administrative and office management duties as required	N/A
Drafter I	Technical Degree	0-5 Years	N/A	Provide drafting services as required	N/A
Certified Health Physicist	BS Degree	0-5 Years	N/A	Provide Radiological Engineering and Controls	CHP Registration
Junior Radiological Control Technician	High School Diploma	Less Than 5 Years	JRCT training as required	Monitor Radiation Processes and activities	N/A
Radiological Control Technician	High School Diploma	5-10 Years	Continuing education in Radiation monitoring activities	Monitor Radiation Processes and activities	N/A
Senior Radiological Control Technician	High School Diploma	10 + Years	Continuing education in Radiation monitoring activities	Monitor Radiation Processes and activities	N/A
Senior Health and Safety Technician	BS Safety	10 + years	Continuing Education in Health and Safety Topics	Monitors workplace safety	Certified Safety Professional

(CUSTOMER INFORMATION: Continued)

Labor Category	Education Requirements	Experience Requirements	Minimum Training	Duties and Responsibilities	Certifications – Desired but not required
Health and Safety Technician	2 year Certificate	5-10 Years	Continuing Education in Health and Safety Topics	Monitors workplace safety	Certified Safety Professional
Junior Health and Safety Technician	High School Diploma	0-5 Years	Continuing Education in Health and Safety Topics	Monitors workplace safety	
Senior Industrial Hygienist	BS Industrial Hygiene	10+ Years	N/A	Performs air monitoring and other industrial hygiene activities	Certified Industrial Hygienist
Industrial Hygienist	BS Industrial Hygiene	5-10 Years	N/A	Performs air monitoring and other industrial hygiene activities	Certified Industrial Hygienist
Associate Industrial Hygienist	BS Industrial Hygiene	0-5 Years	N/A	Performs air monitoring and other industrial hygiene activities	Certified Industrial Hygienist

(CUSTOMER INFORMATION: Continued)

ENERCON SERVICES STANDARD PRICE LIST

Labor Category	Price Per Hour Year 1	Price Per Hour Year 2	Price Per Hour Year 3	Price Per Hour Year 4	Price Per Hour Year 5
Program Manager	\$122.20	\$125.87	\$129.64	\$133.53	\$137.54
Senior Project Manager	\$102.90	\$105.99	\$109.17	\$112.44	\$115.81
Project Manager	\$90.04	\$92.74	\$95.52	\$98.39	\$101.34
Principle Scientist	\$117.91	\$121.45	\$125.09	\$128.84	\$132.71
Senior Scientist	\$96.47	\$99.36	\$102.35	\$105.42	\$108.58
Scientist	\$75.03	\$77.28	\$79.60	\$81.99	\$84.45
Associate Scientist	\$53.59	\$55.20	\$56.85	\$58.56	\$60.32
Principle Engineer	\$117.91	\$121.45	\$125.09	\$128.84	\$132.71
Senior Engineering Specialist	\$107.19	\$110.41	\$113.72	\$117.13	\$120.64
Engineer Specialist	\$96.47	\$99.36	\$102.35	\$105.42	\$108.58
Senior Engineer	\$85.75	\$88.32	\$90.97	\$93.70	\$96.51
Engineer	\$75.03	\$77.28	\$79.60	\$81.99	\$84.45
Associate Engineer	\$53.59	\$55.20	\$56.85	\$58.56	\$60.32
Principal Program/Project Engineer	\$96.47	\$99.36	\$102.35	\$105.42	\$108.58
Senior Program/Project Engineer	\$85.75	\$88.32	\$90.97	\$93.70	\$96.51
Program/Project Engineer	\$81.46	\$83.90	\$86.42	\$89.01	\$91.68
Technical Staff Consultant	\$117.91	\$121.45	\$125.09	\$128.84	\$132.71
Scientific Specialist	\$96.47	\$99.36	\$102.35	\$105.42	\$108.58
Designer	\$64.31	\$66.24	\$68.23	\$70.27	\$72.38
Senior Project Control Rep.	\$75.03	\$77.28	\$79.60	\$81.99	\$84.45
Project Control Rep.	\$53.59	\$55.20	\$56.85	\$58.56	\$60.32
Associate Project Control Rep.	\$42.88	\$44.17	\$45.49	\$46.86	\$48.26
Senior Administrative Specialist	\$47.16	\$48.57	\$50.03	\$51.53	\$53.08
Administrative Specialist	\$42.88	\$44.17	\$45.49	\$46.86	\$48.26
Senior Administrative Assistant	\$47.16	\$48.57	\$50.03	\$51.53	\$53.08
Administrative Assistant	\$21.44	\$22.08	\$22.75	\$23.43	\$24.13
Drafter I	\$53.59	\$55.20	\$56.85	\$58.56	\$60.32
Certified Health Physicist	\$128.63	\$132.49	\$136.46	\$140.56	\$144.77
Senior Radiological Control Tech.	\$75.03	\$77.28	\$79.60	\$81.99	\$84.45
Radiological Control Tech.	\$60.03	\$61.83	\$63.69	\$65.60	\$67.56

(CUSTOMER INFORMATION: Continued)

Labor Category	Price Per Hour Year 1	Price Per Hour Year 2	Price Per Hour Year 3	Price Per Hour Year 4	Price Per Hour Year 5
Junior Radiological Control Tech.	\$42.88	\$44.17	\$45.49	\$46.86	\$48.26
Senior Health and Safety Technician	\$75.03	\$77.28	\$79.60	\$81.99	\$84.45
Health and Safety Technician	\$55.74	\$57.41	\$59.13	\$60.91	\$62.74
Junior Health and Safety Technician	\$38.59	\$39.75	\$40.94	\$42.17	\$43.43
Senior Industrial Hygienist	\$107.19	\$110.41	\$113.72	\$117.13	\$120.64
Industrial Hygienist	\$85.75	\$88.32	\$90.97	\$93.70	\$96.51
Associate Industrial Hygienist	\$64.31	\$66.24	\$68.23	\$70.27	\$72.38