

**GENERAL SERVICES ADMINISTRATION
Federal Supply Services
Authorized Federal Supply Schedule Price List**

Leidos is a science and technology solutions leader working to address some of the world's toughest challenges in national security, health, and engineering. The Company's 23,000 employees support vital missions for our government and the commercial sector, develop innovative solutions to drive better outcomes, and defend our Nation's digital and physical infrastructure from 'new world' threats. Leidos is headquartered in Reston, Va. and had approximately \$6 billion in revenues for fiscal year 2013, on a pro forma basis, following the spin-off of the company's technical, engineering and enterprise IT business on Sept. 27, 2013. For more information, visit www.Leidos.com.



Facilities Maintenance and Management

Federal Supply Group: FAC03

Contract Number: GS-10F-0289L

Contract Period: June 01, 2001 through May 31, 2016

<http://www.leidos.com/contractcenter/fmm/>

Business Size: Large

POINTS OF CONTACT:

Leidos GSA PROGRAM MANAGEMENT OFFICE

Program Manager: Joseph Pastel
Leidos, Inc.
11951 Freedom Drive
Reston, VA 20190
Phone: (703) 676-2818
Fax: (703) 676-5106
Email: pastelj@leidos.com

Contract Manager: Sandra Reid
Leidos, Inc.
11951 Freedom Drive
Reston, VA 20190
Phone: (202) 386-1703
Fax: (703) 676-5106
Email: Sandra.L.Reid@leidos.com

**Mod PA-0042
Effective 3/27/2014**

Online 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 address for GSA Advantage! is: <http://www.gsaadvantage.gov>. For more information on ordering from Federal Supply Schedules click on the FSS Schedules button at www.fss.gsa.gov.

CUSTOMER INFORMATION

1. **Special Item Numbers:**
 - 871-202 Energy Management Planning and Strategies
 - 871-203 Training on Energy Management
 - 871-204 Metering Services
 - 871-205 Energy Program Support Services
 - 871-206 Building Commissioning Services
 - 871-207 Energy Audit Services
 - 871-208 Resource Efficiency Management
 - 871-209 Innovations in Energy
 - 871-210 Water Conservation
 - 871-100 Ancillary Supplies and/or Services, Relating to Energy Management, Water Conservation and Support Services
 - 003-97 Ancillary Repair and Alterations
 - 811-006 Facilities Maintenance and Management Consulting
2. **Maximum Order:** \$1,000,000.
3. **Minimum order:** \$100.00
4. **Geographic Coverage:** Leidos worldwide locations
5. **Point(s) of Production:** Leidos worldwide locations
6. **Discount from List Price or Statement of Net Price:** All prices herein are net.
7. **Quantity Discounts:** None
8. **Prompt Payment Terms:** 0% net 30 days.
- 9a. **Government Commercial Credit Card:** Government commercial credit cards are acceptable for orders below the micro purchase threshold.
- 9b. **Government Commercial Credit Card above Micro-Purchase Threshold:** Contact Contractor's Representative for credit card acceptance of orders above the micropurchase threshold. Discounts for use of the card may be available upon request.
10. **Foreign Items:** None
- 11a. **Time of Delivery:** Time of delivery is specified in negotiated delivery/task orders.
- 11b. **Expedited Delivery:** Items available for expedited delivery are noted in this price list.
- 11c. **Overnight and 2-day Delivery:** Overnight and two day delivery are not available.

11d. Urgent Requirements: Urgent Requirements are specified in negotiated delivery/task orders.

12. F.O.B. Point(s): Destination except for products which are FOB Origin.

13.a Ordering Address:

Leidos, Inc.
11951 Freedom Drive
Reston, VA 20190
Attention: Sandra Reid
Phone: (202) 386-1703
Fax: (703) 676-5106
Email: Sandra.L.Reid@leidos.com

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.

14. Payment Address: Should Electronic Funds Transfer (EFT) payment be available, Leidos requests that the EFT remittance be specified as follows:

Leidos, Inc.
Citibank, N.A.
399 Park Avenue, New York, NY 10043
Account # 30547584
ABA No. 021000089

Should EFT not be available, the remittance address is as follows:

Leidos, Inc.
P.O. Box 223058
Pittsburgh, PA 15251-2058

Reference Information for all Checks:

- The name of the customer making payment
- The contract number/delivery order number
- The invoice number
- If available, project number

15. Warranty Provision: Provision for any appropriate and applicable warranties shall be specifically identified in individual orders. Such warranties are subject to the negotiation between the ordering agencies and the contractor.

16. Export Packaging Charges: Not Applicable

17. Terms and Conditions of Government Commercial Credit Card Acceptance: Leidos accepts government commercial credit cards in accordance with government commercial credit card program guidelines.

18. **Terms and conditions of rental, maintenance, and repair (if applicable):** Determined by individual task order.
19. **Terms and conditions of installation (if applicable):** Determined by individual task order.
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):** Determined by individual task order.
21. **List of service and distribution points (if applicable):** Determined by individual task order.
22. **List of participating dealers (if applicable):** N/A
23. **Preventive maintenance (if applicable):** N/A
- 24a. **Environmental Attributes:** None
- 24b. **Section 508 Compliance :** If applicable, Section 508 compliance information on the supplies and services in this contract are available in Electronic and Information Technology (EIT) at the following web site www.Section508.gov/
25. **DUNS Number:** 967488581
26. **Notification regarding registration in System For Award Management (SAM) database:** Leidos is registered in the SAM database.

TABLE OF CONTENTS

Leidos FMM Overview	6
How To Use This Schedule.....	6
Contract Clauses	7
Orders Exceeding the Maximum Order Threshold	7
Blanket Purchase Agreements.....	7
Contractor Team Arrangements.....	7
Subcontracting to Small Business	8
Company Overview.....	8
Special Item Number Descriptions	8
GSA Schedule Price List.....	12
Labor Categories and Qualifications	20

Leidos FMM OVERVIEW

Leidos has been awarded a GSA Federal Supply Schedule contract for Facilities Maintenance and Management, Contract No. GS-10F-0289L. The current contract ordering period is from June 1, 2011 through May 31, 2016 with one additional five-year option, which may be exercised by the government. The contract provides for task orders to be placed as fixed price (FP) or time and material (T&M) using the labor categories and ceiling rates defined in our catalog. There is no dollar value ceiling for this contract and task orders may be placed for performance worldwide.

Under the federal supply schedule program, GSA enters into contracts with commercial firms to provide supplies and services at stated prices for given periods of time. Orders are placed directly with the schedule contractor, and deliveries are made directly to the customer. The federal supply schedule program mirrors commercial buying practices more than any other procurement process in the federal government today. It provides customers with literally millions of state-of-the-art, high-quality commercial products and services at volume discount pricing on a direct delivery basis. The federal supply schedule program also offers the benefits of shorter lead times, lower administrative costs, and reduced inventories.

Multiple award schedule contracts are awarded to contractors supplying comparable commercial supplies and services at government-negotiated, pre-approved prices. They provide federal agencies with the variety and the flexibility necessary to select the best-valued professional services to meet their requirements. Consistent with the Competition in Contracting Act, multiple award schedule contracts are competitive in that participation in the program is open to all responsible sources, and orders placed following the procedures in Federal Acquisition Regulation 8.4 result in the lowest overall cost alternative.

Advantages of Using the GSA Facilities Maintenance and Management Schedule Contract Include:

- Five-year contract ordering period through May 31, 2016 with one five-year option period
- Indefinite delivery/indefinite quantity contract with no ceiling and no maximum order limitations
- Available to all federal agencies and authorized organizations
- No synopsis (FedBizOpps, formerly *Commerce Business Daily*) is required Direct customer and contractor *relationship* — *no transfer* of funds to GSA required
- Reduced lead times — procurement cost savings
- Labor categories and rates for fixed price and time and materials task orders
- Provides for teaming and subcontracts
- Blanket purchase agreements may be established

HOW TO USE THIS SCHEDULE

Federal Acquisition Regulation 8.4 provides procedures for the acquisition of services using GSA schedule contracts.

CONTRACT CLAUSES

For a list of clauses and terms and conditions included in the FMM contract, reference "Contracts On-line" on GSA e-Library @ <http://www.gsaelibrary.gsa.gov/ElibMain/home.do> .

Ordering agencies may incorporate provisions in their task orders that are essential to their specific requirements (e.g., security, hazardous material handling, and key personnel) provided they do not conflict with the terms and conditions of the contract. These provisions, when required, must be included in the individual task order, and any costs necessary to comply with the provision(s) will be included in the task order price quote, unless otherwise prohibited by law.

ORDERS EXCEEDING THE MAXIMUM ORDER THRESHOLD (MOT)

All GSA MAS contracts contain a price point called a maximum order threshold. This threshold is not a ceiling on an order size; rather, it is a point where the contractor must honor any order exceeding that amount unless that order is returned to the ordering agency within 7 days after issuance.

BLANKET PURCHASE AGREEMENTS

Ordering activities may establish blanket purchase agreements under any GSA schedule contract. A GSA schedule blanket purchase agreement simplifies the filling of recurring needs for supplies or services, while leveraging a customer's buying power by taking advantage of quantity discounts, thus saving administrative time and reducing paperwork.

Blanket purchase agreements are established in accordance with the procedures in Federal Acquisition Regulation Part 8.405-3. An ordering activity may request a price reduction based on the total estimated volume of the blanket purchase agreement, regardless of the size of individual orders. Blanket purchase agreements may be established with one or more scheduled contractors at the discretion of the ordering activity. When establishing multiple blanket purchase agreements, the ordering activity must specify the procedures for placing orders under the blanket purchase agreements. A GSA schedule blanket purchase agreement should not exceed five years in length, but may do so to meet program requirements. A blanket purchase agreement may extend beyond the current term of its GSA schedule contract, so long as there are option periods in the GSA schedule contract that, if exercised, will cover the blanket purchase agreement's period of performance.

CONTRACTOR TEAM ARRANGEMENTS

Contractor Team Arrangements are encouraged under the Federal Supply Schedules Program. Under a Contractor Team Arrangement (CTA), two or more GSA Schedule contractors work together, by complementing each other's capabilities, to offer a total solution to meet an ordering activity's requirement rather than ordering activity making separate buys for each part of a requirement. The CTA combines the supplies and/or services from the team members' separate GSA Schedule contracts. It permits contractors to compete for orders for which they may not independently qualify. A customer benefits from a CTA by buying a solution rather than making separate buys from various contractors. Contractor Team Arrangements provide a "win-win" situation for both GSA Schedule contractors and ordering activities.

For additional information see FAR 9.6 and “Contractor Team Arrangements” at the GSA website <http://www.gsa.gov> under “Acquisition Solutions”, click on “GSA Schedules”, click on “Contractor Team Arrangements” or contact the Leidos FMM Program Management Office.

SUBCONTRACTING TO SMALL BUSINESS

Recognizing both the social and economic benefits, Leidos is committed to the maximum Practicable use of small, HUBZone small, small disadvantaged and women-owned small business concerns as subcontractors.

COMPANY OVERVIEW

Leidos is a science and technology solutions leader working to address some of the world's toughest challenges in national security, health, and engineering. The Company's 23,000 employees support vital missions for our government and the commercial sector, develop innovative solutions to drive better outcomes, and defend our Nation's digital and physical infrastructure from 'new world' threats. Leidos is headquartered in Reston, Va. and had approximately \$6 billion in revenues for fiscal year 2013, on a pro forma basis, following the spin-off of the company's technical, engineering and enterprise IT business on Sept. 27, 2013. For more information, visit www.Leidos.com.

SPECIAL ITEM NUMBER (SIN) DESCRIPTIONS

The Special Item Numbers (SINs) available under this contract provide examples only and are not meant to exclude or limit any authentic facilities maintenance and management services. Leidos has been awarded a contract by GSA to provide services under the contract SINs as defined below:

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 - This includes 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 - This includes the analysis of the audit results and outlined requirements to design a detailed energy management project concept.
3. Implementation and Change Management - This includes the implementation and integration of more energy efficient practices and systems and training in using them effectively.
4. Measurement and Verification - This includes 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 LED may be included.

871-207 – Energy Audit Services

Including, but not limited to, developing, executing, and reporting on audit plans and/or perform 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. Energy efficient buildings certification programs such as LEED may be included.

871-208 – Resource Efficiency Management (REM)

Including, but not limited to, providing information on possible steps that will improve energy efficiency. This information shall include estimates of cost savings and environmental benefits. This includes onsite analysis of current operations, equipment, and energy purchasing patterns. This may include the services of a resource efficiency advocate for individual or aggregated building(s) in order to maximize resource efficiency. Energy efficient buildings certification programs such as LED may be included.

871-209 – Innovations in Energy

Innovative approaches to renewable and/or sustainable energy, sustainability services, and energy management technology and services. 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. 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. This could include sustainability and carbon management solutions such as analysis, foot printing, measuring, mitigation, verification and management, training on new energy technologies and systems, life-cycle costing, and maintenance and operational support of

renewable energy systems; and the implementation, testing and evaluation of networked energy management systems and services that utilize Internet Protocol - Next Generation (IPv6) enabled systems that are configured using open standards architecture that can include Power over Ethernet (POE) implementation, wireless configurations, data security using IPSEC or 128 DES Encryption standards, high reliability, NIST compliant, and demonstrated energy efficiencies or cost savings, and are capable of integrating with existing information systems data infrastructure and backbone. Energy Procurement and Management – Including, but not limited to, energy auctions for demand response, electricity, natural gas, renewable energy credits and carbon offsets as well as bill auditing and verification and usage data tracking, analysis and reporting.

871-210 – Water Conservation

Services and consulting related to 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.

003 97 – Ancillary Repair and Alterations

Repair and Alterations (R&A) ancillary to existing SINs under this Schedule. Ancillary Repair and Alterations projects are those (1) solely associated with the repair, alternation, delivery or installation of products or services also purchased under this Schedule, and which are (2) routine and non-complex in nature, such as routine painting or carpeting, simple hanging of drywall, basic electrical or plumbing work, landscaping, and similar noncomplex services. This SIN EXCLUDES: (1) major or new construction of buildings, roads, parking lots and other facilities; (2) complex R&A of entire facilities or significant portions of facilities, and (3) Architect-Engineering Services subject to Public Law 92-582 (Brooks Act).

The work performed under this SIN shall be associated with existing SINs that are part of this Schedule. Ancillary Repair and Alterations shall not be the primary purpose of the work ordered but be an integral part of the total solution offered. Ancillary repair and alteration services may only be ordered in conjunction with or in support of products or services purchased under this Federal Supply Schedule contract.

This SIN includes all regulatory guidance outlined in accordance with FAR 36, including the Davis Bacon Act and the Miller Act.

Special Instructions: No award will be made under 003-97 Ancillary Repair and Alteration unless an offeror is awarded (or receives award concurrently) for another SIN under this Schedule. The Repair and Alteration work must be ancillary (incidental) to the primary services or products offered under the Schedule.

For Federally-owned space managed by GSA's Public Building Service (PBS), approval of the PBS Building Manager must be received by the ordering activity and contractor before any repair and alteration work may be ordered. A copy of the approval must be retained by both the ordering activity contracting officer and the contractor.

Owned or leased space outside the PBS inventory may also include approval requirements. A copy of the approval must be retained by both the ordering activity contracting officer and the MAS contractor performing the R&A services.

This R&A SIN shall not be used for PBS leased space.

Any Agency contracting officer ordering services under this SIN for Ancillary Repair and Alterations is responsible for complying with his or her agency's internal policies when procuring R&A services. This may include a specific warrant delegation for procuring construction services when the estimated amount of this portion of the task order exceeds \$2,000 (Ref. FAR 22.4).

Special Notice to Ordering Agencies: GSA or other landlords may require re-performance of any nonconforming work at agency expense. If applicable, agencies may seek appropriate recourse from the contractor responsible for the nonconforming work.

871-100 Ancillary Supplies and/or Services, Relating to Energy Management, Water Conservation and Support Services

Ancillary supplies and/or services are support supplies and/or services which are not within the scope of any other SIN on this schedule. These supplies and/or services are necessary to compliment a contractor's offerings to provide a solution to a customer requirement. This SIN may be used for orders and blanket purchase agreements that involve work or a project that is solely associated with the supplies and/or services purchased under this schedule. This SIN excludes purchases that are exclusively for supplies and/or services already available under another schedule.

Special Instructions: The work performed under this SIN shall be associated with existing SIN(s) that are part of this schedule. Ancillary supplies and/or services shall not be the primary purpose of the work ordered, but be an integral part of the total solution offered. Ancillary supplies and/or services may only be ordered in conjunction with or in support of supplies or services purchased under another SIN(s) of the same schedule. Offerors may be required to provide additional information to support a determination that their proposed ancillary supplies and/or services are commercially offered in support of one or more SIN(s) under this schedule.

811-006 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.

GSA SCHEDULE PRICE LIST

Labor Categories and Ceiling Rates – Option Period 2

Special Item Numbers 871-202, 871-203, 871-204, 871-205, 871-206, 871-207, 871-208, 871-209, 871-210, 871-100, 003 97

Labor Category	Option Period 2: 6/1/11- 5/31/16				
	Year 1 6/1/2011- 5/31/2012	Year 2 6/1/2012- 5/31/2013	Year 3 6/1/2013 5/31/2014	Year 4 6/1/2014- 5/31/2015	Year 5 6/1/2015- 5/31/2016
Sr. Executive Management Consultant	\$305.24	\$311.34	\$317.57	\$323.92	\$330.40
Executive Management Consultant II	\$244.98	\$249.88	\$254.88	\$259.98	\$265.18
Executive Management Consultant I	\$218.11	\$222.47	\$226.92	\$231.46	\$236.09
Principal Management Consultant II	\$195.97	\$199.89	\$203.89	\$207.97	\$212.13
Principal Management Consultant I	\$168.51	\$171.88	\$175.32	\$178.83	\$182.41
Energy Analyst V	\$151.71	\$154.75	\$157.84	\$161.00	\$164.22
Energy Analyst IV	\$126.70	\$129.24	\$131.82	\$134.46	\$137.15
Energy Analyst III	\$112.83	\$115.09	\$117.39	\$119.74	\$122.13
Energy Analyst II	\$95.05	\$96.95	\$98.89	\$100.87	\$102.89
Energy Analyst I	\$75.30	\$76.80	\$78.34	\$79.91	\$81.50
Professional Staff Member	\$61.75	\$62.99	\$64.25	\$65.53	\$66.84
Administrative II*	\$46.21	\$47.13	\$48.07	\$49.03	\$50.01
Administrative I*	\$40.70	\$41.51	\$42.34	\$43.19	\$44.05

Special Item Number 811-006

Labor Category	Option Period 2: 6/1/11- 5/31/16				
	Year 1 6/1/2011- 5/31/2012	Year 2 6/1/2012- 5/31/2013	Year 3 6/1/2013 5/31/2014	Year 4 6/1/2014- 5/31/2015	Year 5 6/1/2015- 5/31/2016
Building Systems Subject Matter Expert ("SME") II	\$262.35	\$267.60	\$272.95	\$278.41	\$283.98
Building Systems Subject Matter Expert ("SME") I	\$217.80	\$222.16	\$226.60	\$231.13	\$235.75
Sr. Building Systems Consultant V	\$181.23	\$184.85	\$188.55	\$192.32	\$196.17
Sr. Building Systems Consultant IV	\$166.81	\$170.14	\$173.54	\$177.01	\$180.56
Sr. Building Systems Consultant III	\$143.25	\$146.12	\$149.04	\$152.02	\$155.06
Sr. Building Systems Consultant II	\$124.35	\$126.84	\$129.38	\$131.97	\$134.60

Special Item Number 811-006 Continued

Labor Category	Option Period 2: 6/1/11- 5/31/16				
	Year 1 6/1/2011- 5/31/2012	Year 2 6/1/2012- 5/31/2013	Year 3 6/1/2013 5/31/2014	Year 4 6/1/2014- 5/31/2015	Year 5 6/1/2015- 5/31/2016
Sr. Building Systems Consultant I	\$111.27	\$113.49	\$115.76	\$118.08	\$120.44
Building Systems Consultant III	\$84.43	\$86.12	\$87.84	\$89.59	\$91.39
Building Systems Consultant II	\$72.24	\$73.69	\$75.16	\$76.66	\$78.20
Building Systems Consultant I	\$62.65	\$63.90	\$65.18	\$66.48	\$67.81
Building Systems IT Consultant IV	\$178.20	\$181.76	\$185.40	\$189.11	\$192.89
Building Systems IT Consultant III	\$158.40	\$161.57	\$164.80	\$168.10	\$171.46
Building Systems IT Consultant II	\$133.65	\$136.32	\$139.05	\$141.83	\$144.67
Building Systems IT Consultant I	\$103.95	\$106.03	\$108.15	\$110.31	\$112.52
Business Analyst III	\$138.60	\$141.37	\$144.20	\$147.08	\$150.03
Business Analyst II	\$123.75	\$126.23	\$128.75	\$131.32	\$133.95
Business Analyst I	\$87.87	\$89.63	\$91.42	\$93.25	\$95.12
Administrative I	\$50.65	\$51.66	\$52.69	\$53.75	\$54.82
Heating Ventilation and Air Conditioning Mechanic*	\$60.78	\$62.00	\$63.24	\$64.50	\$65.79
Heating Ventilation and Air Conditioning Mechanic (Research Facility)*	\$64.05	\$65.33	\$66.64	\$67.97	\$69.33
Pipefitter, Maintenance*	\$62.67	\$63.92	\$65.20	\$66.51	\$67.84
Plumber, Maintenance*	\$56.72	\$57.85	\$59.01	\$60.19	\$61.40
Welder, Combination, Maintenance*	\$58.29	\$59.46	\$60.64	\$61.86	\$63.09
Engineering Technician VI*	\$134.25	\$136.94	\$139.67	\$142.47	\$145.32
Engineering Technician V*	\$110.96	\$113.18	\$115.44	\$117.75	\$120.11
Engineering Technician IV*	\$90.68	\$92.49	\$94.34	\$96.23	\$98.15
Engineering Technician III*	\$73.25	\$74.72	\$76.21	\$77.73	\$79.29
Engineering Technician II*	\$65.45	\$66.76	\$68.09	\$69.46	\$70.85
Engineering Technician I*	\$58.31	\$59.48	\$60.67	\$61.88	\$63.12
Electrician, Maintenance*	\$71.20	\$72.62	\$74.08	\$75.56	\$77.07
Electronics Technician Maintenance III*	\$70.96	\$72.38	\$73.83	\$75.30	\$76.81
Electronics Technician Maintenance II*	\$67.35	\$68.70	\$70.07	\$71.47	\$72.90
Electronics Technician Maintenance I*	\$63.46	\$64.73	\$66.02	\$67.34	\$68.69
Maintenance Trades Helper*	\$46.49	\$47.42	\$48.37	\$49.34	\$50.32

*Labor Categories that fall under the requirements of the Service Contract Act (SCA) (i.e. non-exempt labor categories)

SIN 871-100 PRICE LIST		
Part No.	Description	GSA Unit Price, Including IFF
Spray 1	Low-flow nozzles used in restaurant/cafeteria segment that (a) use gas to heat water, and (b) use spray nozzles to rinse off food preparation items and tableware before placing them in dishwasher. Most typical spray nozzles used in this segment are typically high-flow nozzles that use as much as 4 gallons of water per minute. Low-flow efficiency spray nozzles use less gallons of hot water per minute (use of less hot water uses less gas due to the decrease in demand for hot water).	\$55.36

Unit pricing applies to orders based upon a total quantity of 101 or more units.

Pricing does not include shipping; shipping costs will be added as a separate line item on the invoice.

SIN 871-100 PRICE LIST Continued		
AIC Wireless Products		
PART NUMBER	PRODUCTS DESCRIPTION	GSA PRICE
AUR-AX-2 (T-200)	Includes 64 MB RAM/64 MB Flash, 2 10/100 Mb Ethernet ports, 1 RS-485 serial port, 1 RS-232 serial port, NDIO port and 2 communication card option slots. Standard features include Niagara station and Web User Interface. Standard drivers include oBIX Client / Server and Niagara Network (Fox) Client / Server. The JACE® 2 is designed for DIN rail mounting. Memory upgrade and Embedded Workbench is available - see Software Options. Power supply is not included - see Hardware Options.	\$1,005.63
AUR-202-XPR-24 (T-202-XPR-24)	Includes 128 MB RAM/64 MB Flash, 2 10/100 Mb Ethernet ports, 1 RS-485 serial port, 1 RS-232 serial port, onboard IO, 1 socket for optional communication cards, 1 socket for optional GPRS modem, and 24 Volt AC or DC input power supply. Standard features include Niagara station and Web User Interface. Standard drivers include oBIX Client / Server and Niagara Network (Fox) Client / Server. Embedded Workbench is available - see Software Options. Requires AX Release 3.4 or higher. Notes: Power Supply options cannot be ordered. Only the remote IO module can be ordered to add additional IO.	\$1,424.94
AUR-AX-6 (T-600)	Includes 128 MB RAM/128 MB Flash, 2 10/100 Mb Ethernet ports, 1 RS-485 serial port, 1 RS-232 serial port, NDIO port and 2 communication card option slots. Standard features include Niagara station and Web User Interface. Standard drivers include oBIX Client / Server and Niagara Network (Fox) Client / Server. The JACE® 6 is designed for DIN rail mounting. Memory upgrade and Embedded Workbench is available - see Software Options. Requires AX release 3.2 or higher. Power supply is not included - see Hardware Options.	\$1,938.59
AUR-AX-6-USA (T-600-USA)	Includes 128 MB RAM/128 MB Flash, 2 10/100 Mb Ethernet ports, 1 RS-485 serial port, 1 RS-232 serial port, NDIO port and 2 communication card option slots. Standard features include Niagara station and Web User Interface. Standard drivers include oBIX Client / Server and Niagara Network (Fox) Client / Server. The JACE® 6 is designed for DIN rail mounting. Memory upgrade and Embedded Workbench is available - see Software Options. Requires AX release 3.2 or higher. Power supply is not included - see Hardware Options. Manufactured in the USA.	\$2,070.84

SIN 871-100 PRICE LIST Continued

AIC Wireless Products

PART NUMBER	PRODUCTS DESCRIPTION	GSA PRICE
AUR-602-XPR-24 (T-602-XPR-24)	Includes 256 MB RAM/128 MB Flash, 2 10/100 Mb Ethernet ports, 1 RS-485 serial port, 1 RS-232 serial port, onboard IO, 1 socket for optional communication cards, factory installed GPRS modem with SIM card, and 24 Volt AC or DC input power supply. Standard features include Niagara station and Web User Interface. Standard drivers include oBIX Client / Server and Niagara Network (Fox) Client / Server. Embedded Workbench is available - see Software Options. Requires AX Release 3.4 or higher. Notes: Power Supply options cannot be ordered. Only the remote IO module can be ordered to add additional IO.	\$2,866.14
AUR-AX-7 (T-700)	Includes 1GB RAM/1 GB Flash memory, 1 RS-232 and 1 RS-485 port, 2 Gigabit Ethernet ports, 2 USB ports, 2 standard JACE® communication card slots, and internal battery backup; power module must be selected separately. Standard features include Niagara station and Web User Interface. Standard drivers include oBIX Client / Server and Niagara Network (Fox) Client / Server. The JACE® 7 is designed for DIN rail or surface mounting. Requires AX Release 3.5 or higher. Notes: Only the universal power supply; Wall Adaptor and remote IO module can be with this JACE®. Wall Adaptor requires modification.	\$3,466.90
AUR-PWR (NPB-PWR)	J2 and J6 Only - 24 V AC/DC Power Supply Module, DIN Rail Mountable. Not required with purchase of IO-34. Manufactured in the USA	\$129.54
NPM-128	JACE® 2 Memory Expansion License from 64 to 128 MB. JACE® must have serial number 8454 or greater.	\$301.51
NPM-256	JACE® 6 Memory Expansion License from 128 to 256 MB.	\$621.52
WP-AX-WEB	Embedded Workbench	\$171.07
NPB-LON	78 Kbps FTT 10 A LON® adapter. Uses one of the two communication slots in the JACE® 2/6. LON® driver must be purchased separately. Manufactured in the USA.	\$153.46
DR-NPB-LON-AX	LON® card and driver bundle. LON® over twisted pair. Driver includes 78 Kbps FTT 10 A LON® adapter (LON® Card).. Uses one of the two communication slots (MUST PROVIDE SERIAL # WHEN ORDERING)	\$313.24
T-DR-NPB-ZWAVE-US	ZWAVE card and driver bundle. Communicates over radio 908.42 MHz frequency at 40kps. Uses one of the two communication slots in the JACE® 2 / 6. (MUST PROVIDE SERIAL # WHEN ORDERING). Requires AX Release 3.5 or higher.	\$302.41
T-DR-NPB-ZWAVE-EU	ZWAVE card and driver bundle. Communicates over radio 868.42 MHz frequency at 40kps. Uses one of the two communication slots in the JACE® 2 / 6. (MUST PROVIDE SERIAL # WHEN ORDERING). Requires AX Release 3.5 or higher.	\$302.41
NPB-ZWAVE-US	ZWAVE card for North America. Communicates over radio 908.42 MHz frequency at 40kbps. Uses one option card slot in the JACE®.	\$212.14
NPB-ZWAVE-EU	ZWAVE card for Europe. Communicates over radio 868.42 MHz frequency at 40kbps. Uses one option card slot in the JACE®.	\$212.14
CBL-SED-EXT	Optional two (2) meter extension cable with mounting bracket to extend the Z-WAVE antenna connection to a more remote location. This cable can also be used as a Sedona Antenna Extension cable with mounting bracket for NPB-SED-001	\$77.63

SIN 871-100 PRICE LIST Continued

AIC Wireless Products

PART NUMBER	PRODUCTS DESCRIPTION	GSA PRICE
DR-NPB-SOX-JEN-AX	Sedona Wired/Wireless Option Card for JACE-2/6/7/XPR with Antenna	\$496.50
NPB-2X-485	Dual Port RS 485 Option Card	\$177.84
NPB-232	Single Port RS 232 Option Card Manufactured in the USA	\$167.00
WPM-US	90 - 240 VAC, 50/60 Hz. Wall Adaptor - U.S. plug type Not required with purchase of IO-34.	\$22.57
DR-BACNET-AX	BACNet® IP Client over Ethernet	\$292.93
DR-MSTP-AX	BACNet® MS/TP over RS-232 or RS-485. Available on embedded devices only.	\$292.93
DR-EIB-AX	EIB / Konnex IP Driver designed to connect to an EIB/KNX network via an IP to EIB interface	\$292.93
DR-FLEX-AX	Flex Driver over RS-232 or RS-485	\$292.93
DR-ILON-AX	LON® over IP, using CEA-852, communicates through IP/LON® router.	\$292.93
DR-LON-AX	LON® over twisted pair.	\$174.22
DR-MBUS-AX	Designed to manage an M-Bus network via an RS-232 to M-Bus interface	\$292.93
DR-MDB-RTU-AX	Modbus RTU over RS-232 or RS-485	\$292.93
DR-MDB-TCP-AX	Modbus TCP over Ethernet	\$292.93
DR-SNMP-AX	SNMP over Ethernet	\$292.93
DR-ZWAVE-AX	Z-WAVE software driver allows serial communication to Z-WAVE option card or third party Z-WAVE controller Requires AX Release 3.5 or higher.	\$209.43
DR-ADRClient-AX	Simple OpenADR software driver allows communication to Akuacom DRAS or any OpenADR compliant DRAS. Licnese support for one additional DRAS client server connection. JACE must already contain part number DR-SimpleADR-AX.	\$162.94
DR-BAC-SR-AX	BACNet® Server (includes BACNet® IP Client driver)	\$439.62
DR-BAC-SR-EXP-AX	BACNet® Server only (must order BACNet® Client driver separately)	\$146.24
DR-MDB-S-AX	Modbus driver that "serves" JACE® data to other Modbus Master devices. (Note: Operates only over RS-485).	\$439.62
DR-MDB-TS-AX	Modbus TCP (slave) driver that "serves" JACE® data to other Modbus Master devices over a Modbus TCP connection.	\$439.62
DR-SimpleADR-AX	Simple OpenADR software driver allows communication to Akuacom DRAS or any OpenADR compliant DRAS. Limits one DRAS client connection to the DRAS.	\$292.93
SP-SSL	Secure Socket Layer license fee. Enables https communication on one JACE® controller. Note: SSL Licensing OEM must verify-This product must not be shipped to any country on the US banned countries list including Cuba, Iran, North Korea, Sudan, and Syria.	\$232.45

SIN 871-100 PRICE LIST Continued

AIC Wireless Products

PART NUMBER	PRODUCTS DESCRIPTION	GSA PRICE
EOS-S-AX	AX Supervisor software for Windows XP or Windows 2000; Includes Niagara Historical Database and Workplace AX. Includes OBIX client / server driver for connecting to Niagara based controllers only. CD must be requested at time of purchase. Note: OBIX integration with Niagara R2 devices will require build r2.301.522 or greater.	\$3,291.32
EOS-AX	Stand-alone copy of Workplace AX. Supports both Supervisor and Niagara devices. Allows for multiple station connections to engineer Niagara devices. Note: You cannot run a station on your local machine with Workplace AX.	\$1,378.90
EOS-AX-64	AX Supervisor software for 64 bit Window's platforms; Includes Niagara Historical Database and Workplace AX. Includes OBIX client / server driver for connecting to Niagara based controllers only. CD must be requested at time of purchase. Note: OBIX integration with Niagara R2 devices will require build r2.301.522 or greater.	\$5,241.64
EOS-AX	Stand-alone copy of Workplace AX. Supports both Supervisor and Niagara devices. Allows for multiple station connections to engineer Niagara devices. Note: You cannot run a station on your local machine with Workplace AX.	\$1,378.90
ALM-CONSOLE-AX	The Alarm Console client. No separate server is required. Supports both Supervisor and Niagara device alarm monitoring.	\$91.63
Niagara-DVD	A DVD will be shipped with the requested supervisor.	\$11.28
S-DB-SQL	Microsoft SQL Database Driver	\$976.74
S-DB-DB2	IBM DB2 Database Driver	\$976.74
S-DB-ORCL	Oracle Database Driver	\$976.74
S-DB-MYSQL	Driver for MySQL database for the AX Supervisor	\$976.74
S-DB-CSV	Allows Excel and CSV file data to be imported into Niagara AX	\$830.50
DR-S-OBIX-AX	AX Supervisor OBIX Driver for connecting to any devices not powered by Niagara, includes license for 500 OBIX points	\$2,149.38
DR-S-OBIX-500	Additional 500 point block for AX Supervisor OBIX Driver	\$818.32
DR-S-BAC-AX	AX Supervisor BACNet® IP Driver - Includes license for 500 BACNet® IP points and BACNet export option.	\$2,149.38
DR-S-BAC-500	Additional 500 point block for AX Supervisor BACNet® IP Driver	\$818.32
DR-S-ADRClient-AX	Simple OpenADR software driver allows communication to the Akuacom DRAS or any other Tridium approved Open ADR compliant DRAS. Licnese support for one additional DRAS client server connection. Supervisor must already contain part number DR-S-SimpleADR-AX.	\$650.86
DR-S-SimpleADR-AX	Simple OpenADR software driver allows communication to the Akuacom DRAS or any other Tridium approved Open ADR compliant DRAS. Limits one DRAS client connection to the DRAS.	\$1,162.25
DR-S-OPC-AX	AX Supervisor OPC client Driver - Includes license for 500 OPC points.	\$2,149.38
DR-S-OPC-500	Additional 500 point block for AX Supervisor OPC client Driver	\$818.32
DR-S-MDB-AX	AX Supervisor Modbus TCP Driver - Includes license for 500 Modbus TCP points.	\$2,149.38

SIN 871-100 PRICE LIST Continued

AIC Wireless Products

PART NUMBER	PRODUCTS DESCRIPTION	GSA PRICE
DR-S-MDB-500	Additional 500 point block for AX Supervisor Modbus TCP Driver	\$818.32
DR-S-SNMP-AX	AX Supervisor SNMP Driver - Includes license for 500 SNMP points.	\$2,149.38
DR-S-SNMP-500	Additional 500 point block for AX Supervisor SNMP Driver	\$818.32
DR-S-ILON-AX	AX Supervisor ILOM Driver - Includes license for 500 ILOM points.	\$2,149.38
DR-S-ILON-500	Additional 500 point block for AX Supervisor ILOM Driver	\$818.32
SP-SSL	Secure Socket Layer license fee. Enables https communication on one JACE® controller. Note: SSL Licensing OEM must verify-This product must not be shipped to any country on the US banned countries list including Cuba, Iran, North Korea, Sudan, and Syria.	\$232.45
T-S-FLR-AX	Station for serving separately purchased Workbench or AX Supervisor licenses. Must run on a standalone platform or JACE. Must purchase licenses for each copy of Workbench or Supervisor separately that are to be served by the FLR.	\$1,415.01
DR-S-AXS-AX	AX Supervisor driver for AXIS IP cameras. Includes license for 16 cameras.	\$2,086.64
DR-S-AXS-4	Additional 4 camera block for AX Supervisor AXIS IP camera driver.	\$379.14
DR-S-DED-AX	AX Supervisor driver for Dedicated Micros video. Includes license for 16 cameras. (Dedicated Micros DVR must be purchased separately)	\$2,086.64
DR-S-DED-4	Additional 4 camera block for AX Supervisor Dedicated Micros video driver.	\$379.14
LIC-CHG	License change fee to change an existing license at the request of a customer or partner. Applies to all license changes except when a driver, upgrade or other software is purchased.	\$90.27
SUP-U-AX	New release software upgrade for Supervisor. Price includes all applications and drivers licensed for the Supervisor. Upgrades the Supervisor to the current release.	\$225.68
SUP-MW-AX	Annual software maintenance agreement for one AX Supervisor. Includes new and interim releases for one year from date of shipment.	\$361.09
AUR-WIO-24	8 Universal Inputs (supporting temperature, resistance, voltage, and current), 4 Binary/Digital Inputs (contact closure, pulse count), 6 Binary/Digital Outputs, and 6 Analog Outputs, and features a RTC.	\$463.10
AUR-WIO-12	4 Universal Inputs (supporting temperature, resistance, voltage, and current), 2 Binary/Digital Inputs (contact closure, pulse count), 4 Binary/Digital Outputs, and 2 Analog Outputs, and features a RTC.	\$401.26
AUR-WIO-4IO	1 Universal Input (supporting temperature, resistance, voltage, and current), 1 Binary/Digital Input (contact closure, pulse count), 1 Binary/Digital Output, and 1 Analog Output.	\$298.80
AUR-WIO-4DI	4 Binary/Digital Inputs (contact closure, pulse count) and on board EEPROM.	\$259.53
AUR-WIO-4DO	4 Binary/Digital Relay Outputs.	\$278.94
AUR-WIO-4UI	4 Universal Inputs supporting temperature, resistance, voltage, and current.	\$287.52

SIN 871-100 PRICE LIST Continued

AIC Wireless Products

PART NUMBER	PRODUCTS DESCRIPTION	GSA PRICE
AUR-WIO-4WP	The Aurora WIO-4WP provides 2 Universal Inputs (supporting temperature, resistance, voltage, and current), 2 Binary/Digital Relay Outputs, in NEMA 4 Enclosure.	\$395.39
AUR-WIO-4WP-HV	The Aurora WIO-4WP provides 2 Universal Inputs (supporting temperature, resistance, voltage, and current), 2 Binary/Digital Relay Outputs, and 120/277 VAC input, in NEMA 4 Enclosure.	\$404.87
AUR-WIO-6WP	The Aurora WIO-6WP provides 2 Universal Inputs (supporting temperature, resistance, voltage, and current), 2 Binary/Digital Relay Outputs, and 2 Analog Outputs, in NEMA 4 Enclosure.	\$419.31
AUR-WIO-6WP-HV	The Aurora WIO-6WP provides 2 Universal Inputs (supporting temperature, resistance, voltage, and current), 2 Binary/Digital Relay Outputs, and 2 Analog Outputs with 120/277 VAC input, in NEMA 4 Enclosure.	\$429.69
WLT900	Wireless LonWorks Transceiver 900 MHz (1.5Mbs)	\$473.93
WLT900-F140	Wireless LonWorks Transceiver 900 MHz, FIPS 140.2	\$767.31
WBT900	Wireless BACnet MSTP Transceiver 900 MHz	\$406.22
WBT900-F140	Wireless BACnet MSTP Transceiver 900 MHz, FIPS 140.2	\$699.61
WBT900-IP	Wireless BACnet IP Transceiver 900 MHz	\$338.52
WBT900-IP-F140	Wireless BACnet IP Transceiver 900 MHz, FIPS 140.2	\$631.90
WMT900-TCP	Wireless Modbus TCP Transceiver 900 MHz	\$338.52
WMT900-TCP-F140	Wireless Modbus TCP Transceiver 900 MHz, FIPS 140.2	\$631.90
AIC900E	Wireless Ethernet Transceiver 900 MHz	\$338.52
AIC900E-F140	Wireless Ethernet Transceiver 900 MHz, FIPS 140.2	\$631.90

LABOR CATEGORY DESCRIPTIONS

Special Item Numbers 871-202, 871-203, 871-204, 871-205, 871-206, 871-207, 871-208, 871-209, 871-210, 871-100, 003 97

Title	Education/General Experience*	Position duties/responsibilities
Sr. Executive Management Consultant	PhD or equivalent and 14 years general experience	Provides expert technical and managerial guidance and direction for problem definition, analysis, requirements development, and implementation of complex energy projects and programs.
Executive Management Consultant II	PhD or equivalent desired and 11 years general experience required	Provides expert technical and managerial guidance and direction for problem definition, analysis, requirements development, and implementation of complex energy projects and programs.
Executive Management Consultant I	PhD or equivalent desired and 8 years general experience required	Provides expert technical and managerial guidance and direction for problem definition, analysis, requirements development, and implementation of complex energy projects and programs.
Principal Management Consultant II	MS/MA or equivalent desired and 8 years general experience required	Directs the performance of a variety of related energy projects which may be organized by technology, program or client. Oversees the technology development and/or application, marketing, and resource allocation within program client base. Responsible for the effective management of funds and personnel, and is accountable for the quality and timely delivery of all contractual items.
Principal Management Consultant I	MS/MA or equivalent desired and 6 years general experience required	Directs the performance of a variety of related energy projects which may be organized by technology, program or client. Oversees the technology development and/or application, marketing, and resource allocation within program client base. Responsible for the effective management of funds and personnel, and is accountable for the quality and timely delivery of all contractual items.
Energy Analyst V	MS/MA or equivalent desired and 4 years general experience required	Plans and designs energy projects. Develops or directs the development of findings, draws conclusions, and develops recommendations. Prepares and presents reports. Conducts large projects and is responsible for meeting goals within time and cost constraints.
Energy Analyst IV	MS/MA or equivalent desired and 3 years general experience required	Conducts and/or participates in energy projects. Is responsible for meeting goals within time and budget constraints. Contributes to the design of projects. Develops or organizes the development of findings, draws conclusions, and develops recommendations.
Energy Analyst III	BS/BA or equivalent desired and 5 years general experience required	Performs a variety of energy project tasks which are broad in nature. Performs with latitude for un-reviewed actions and decisions.
Energy Analyst II	BS/BA or equivalent desired and 3 years general experience required	Performs a variety of energy project tasks which are broad in nature. Performs with some latitude for un-reviewed actions and decisions.
Energy Analyst I	BS/BA or equivalent desired and 1 years general experience required	Performs a variety of energy project tasks which are broad in nature. Performs with some latitude for un-reviewed actions and decisions.

Title	Education/General Experience*	Position duties/responsibilities
Professional Staff Member	BS/BA or equivalent desired	Provides technical, managerial, and administrative support for problem definition, analysis, requirements development, and implementation for energy issues.
Administrative II*	High school diploma or equivalent desired and 3 years general experience required	Provides administrative-type support to technical and management-level personnel. This includes, but is not limited to, documentation planning and support, project administration, program management support, event planning and administration, office relocation planning, mail services, records, data input and other office administration functions.
Administrative I*	High School Diploma or equivalent and no related experience in business	Provides administrative-type support to technical and management-level personnel. This includes, but is not limited to, documentation planning and support, project administration, program management support, event planning and administration, office relocation planning, mail services, records, data input and other office administration functions.

Special Item Number 811-006

Title	Education/General Experience*	Position duties/responsibilities
Building Systems Subject Matter Expert ("SME") II	PhD and 15 yrs general experience	Provides expert technical, managerial and business expertise for smart building projects.
Building Systems Subject Matter Expert ("SME") I	PhD and 12 yrs experience	Provides expert technical, managerial and business expertise for smart building projects.
Sr. Building Systems Consultant V	MS/MA and 9 yrs general experience	Oversees and/or performs a variety of broad tasks including technology development and/or application, engineering tasks, design and/or application and implementation in support of facilities and equipment, including systems, energy, electrical, power, hardware, logistical, mechanical, and environmental. Plans and performs research, design development and other assignments in conformance with design, engineering and customer specifications.
Sr. Building Systems Consultant IV	MS/MA and 6 yrs general experience	Responsible for a variety of broad tasks including technology development and/or application, engineering tasks, design and/or application and implementation in support of facilities and equipment, including systems, energy, electrical, power, hardware, logistical, mechanical, and environmental. Plans and performs research, design development and other assignments in conformance with design, engineering and customer specifications.
Sr. Building Systems Consultant III	MS/MA and 4 yrs general experience	Plans and performs a variety of broad tasks including technology development and/or application, engineering tasks, design and/or application and implementation in support of facilities and equipment, including systems, energy, electrical, power, hardware, logistical, mechanical, and environmental. Plans and performs research, design development and other assignments in conformance with design, engineering and customer specifications.

Title	Education/General Experience*	Position duties/responsibilities
Sr. Building Systems Consultant II	MS/MA and 2 yrs general experience	Plans and performs a variety of broad tasks including technology development and/or application, engineering tasks, design and/or application and implementation in support of facilities and equipment, including systems, energy, electrical, power, hardware, logistical, mechanical, and environmental. Plans and performs research, design development and other assignments in conformance with design, engineering and customer specifications.
Sr. Building Systems Consultant I	BS/BA and 3 yrs general experience	Plans and performs a variety of broad tasks including technology development and/or application, engineering tasks, design and/or application and implementation in support of facilities and equipment, including systems, energy, electrical, power, hardware, logistical, mechanical, and environmental. Plans and performs research, design development and other assignments in conformance with design, engineering and customer specifications.
Building Systems Consultant III	BS/BA and 1 yr general experience	Performs a variety of broad tasks including technology development and/or application, engineering tasks, design and/or application and implementation in support of facilities and equipment, including systems, energy, electrical, power, hardware, logistical, mechanical, and environmental. Performs research, design development, and other assignments in conformance with design, engineering and customer specifications.
Building Systems Consultant II	AS/AA and 3 yrs general experience	Performs a variety of broad tasks including technology development and/or application, engineering tasks, design and/or application and implementation in support of facilities and equipment, including systems, energy, electrical, power, hardware, logistical, mechanical, and environmental. Performs research, design development, and other assignments in conformance with design, engineering and customer specifications.
Building Systems Consultant I	AS/AA and 1 yr general experience	Performs a variety of broad tasks including technology development and/or application, engineering tasks, design and/or application and implementation in support of facilities and equipment, including systems, energy, electrical, power, hardware, logistical, mechanical, and environmental. Performs research, design development and other assignments in conformance with design, engineering and customer specifications.
Building Systems IT Consultant IV	MS/MA and 8 yrs general experience	Oversees and performs a variety of IT tasks for computer systems and/or networks and network infrastructures. Applies theories and principles of science or mathematics to the design of hardware, operating systems, security systems, networks and processes to solve technical problems. Systems may involve multiple protocols and interfaces, satellite communications, digital or fiber optic networks, etc. Designs, builds, troubleshoot, debugs information technology designs and user interfaces using a variety of applications, techniques, and tools. Plans and performs research, design development and other assignments in conformance with design and customer specifications.

Title	Education/General Experience*	Position duties/responsibilities
Building Systems IT Consultant III	MS/MA and 5 yrs general experience	Responsible for a variety of IT tasks for computer systems and/or networks and network infrastructures. Applies theories and principles of science or mathematics to the design of hardware, operating systems, security systems, networks and processes to solve technical problems. Systems may involve multiple protocols and interfaces, satellite communications, digital or fiber optic networks, etc. Designs, builds, troubleshoot, debugs information technology designs and user interfaces using a variety of applications, techniques, and tools. Plans and performs research, design development and other assignments in conformance with design and customer specifications.
Building Systems IT Consultant II	MS/MA and 3 yrs general experience	Performs a variety of IT tasks for computer systems and/or networks and network infrastructures. Applies theories and principles of science or mathematics to the design of hardware, operating systems, security systems, networks and processes to solve technical problems. Systems may involve multiple protocols and interfaces, satellite communications, digital or fiber optic networks, etc. Designs, builds, troubleshoot, debugs information technology designs and user interfaces using a variety of applications, techniques, and tools. Plans and performs research, design development and other assignments in conformance with design and customer specifications.
Building Systems IT Consultant I	BS/BA and 4 yrs general experience	Performs a variety of IT tasks for computer systems and/or networks and network infrastructures. Applies theories and principles of science or mathematics to the design of hardware, operating systems, security systems, networks and processes to solve technical problems. Systems may involve multiple protocols and interfaces, satellite communications, digital or fiber optic networks, etc. Designs, builds, troubleshoot, debugs information technology designs and user interfaces using a variety of applications, techniques, and tools. Plans and performs research, design development and other assignments in conformance with design and customer specifications.
Business Analyst III	BS/BA and 7 yrs general experience	Performs business analyses to evaluate program or project in the context of smart building activities. Business analyses include but are not limited to resource, policy, qualitative, quantitative, requirements, cost, schedule, or alternatives. Applies analytical skills to assist in defining, analyzing, validating and documenting complex operating environments, states of technology and current processes.
Business Analyst II	BS/BA and 5 yrs general experience	Performs business analyses to evaluate program or project in the context of smart building activities. Business analyses include but are not limited to resource, policy, qualitative, quantitative, requirements, cost, schedule, or alternatives. Applies analytical skills to assist in defining, analyzing, validating and documenting complex operating environments, states of technology and current processes.

Title	Education/General Experience*	Position duties/responsibilities
Business Analyst I	BS/BA and 3 yrs general experience	Performs business analyses to evaluate program or project in the context of smart building activities. Business analyses include but are not limited to resource, policy, qualitative, quantitative, requirements, cost, schedule, or alternatives. Applies analytical skills to assist in defining, analyzing, validating and documenting complex operating environments, states of technology and current processes.
Administrative I	H.S. and 5 years general experience	Conducts and/or participates in direct-billed project control activities including the strategic, tactical, and operational aspects of smart building system projects. In addition, the administrator will provide comprehensive support services for the execution of the project's management, consultation and deliverables.
Heating Ventilation and Air Conditioning Mechanic*	H.S. and specialized training in HVAC systems	The Heating, Ventilation, and Air-Conditioning Mechanic installs, services and repairs environmental-control systems ranging from fifteen to twenty tons cooling capacity in residences, department stores, office buildings, and other commercial establishments, utilizing knowledge of refrigeration theory, pipefitting and structural layout.
Heating Ventilation and Air Conditioning Mechanic (Research Facility)*	H.S. and specialized training in HVAC systems	The Heating, Ventilation, and Air Conditioning Mechanic (Research Facility) installs, modifies and repairs refrigeration – hermetic, semi-hermetic, mechanical, screw, scroll and centrifugal units to 1100 tons. Performs difficult installation tasks involving assembly, testing, calibrating, and adjusting of temperature control and environmental control systems.
Pipefitter, Maintenance*	H.S. and formal apprenticeship or equivalent training and experience	The Pipefitter, Maintenance installs or repairs water, steam, gas or other types of pipe and pipefitting. Work involves most of the following: laying out work and measuring to locate position of pipe from drawings or other written specifications, cutting various sizes of pipe to correct lengths with chisel and hammer, oxyacetylene torch or pipe-cutting machines, threading pipe with stocks and dies. Workers primarily engaged in installing and repairing building sanitation or heating systems are excluded.
Plumber, Maintenance*	H.S. and apprenticeship or equivalent training and certification	The Plumber, Maintenance assembles, installs and repairs pipes, fittings and fixtures of heating, water, and drainage systems, according to specifications and plumbing codes, studies building plans and working drawings to determine work aids required, and sequence of installations.
Welder, Combination, Maintenance*	H.S. and apprenticeship or equivalent training and certification	The Welder, combination, maintenance welds metal components together to fabricate or repair products, such as machine parts, plant equipment, mobile homes, motors and generators, according to layouts, blueprints or work orders, using brazing and a variety of arc and gas welding equipment.

Title	Education/General Experience*	Position duties/responsibilities
Engineering Technician VI*	H.S. and apprenticeship or equivalent training and 10 years experience	<p>This technician performs non-routine and complex assignments involving responsibility for planning and conducting a complete project of relatively limited scope or a portion of a larger and more diverse project, selects and adapts plans, techniques, designs, or layouts, contacts personnel in related activities to resolve problems and coordinate the work, reviews, analyzes, and integrates the technical work of others.</p> <p>a. Designs, develops, and constructs major units, devices, or equipment; conducts tests or experiments; analyzes results and redesigns or modifies equipment to improve performance; and reports results.</p> <p>b. From general guidelines and specifications (e.g., size or weight requirements), develops designs for equipment without critical performance requirements that are difficult to satisfy such as engine parts, research instruments, or special purpose circuitry. Analyzes technical data to determine applicability to design problems; selects from several possible design layouts; calculates design data; and prepares layouts, detailed specifications, parts lists, estimates, procedures, etc. May check and analyze drawings or equipment to determine adequacy of drawings and design.</p> <p>c. Plans or assists in planning tests to evaluate equipment performance. Determines test requirements, equipment modification, and test procedures; conducts tests using all types of instruments; analyzes and evaluates test results, and prepares reports on findings and recommendations.</p>
Engineering Technician V*	H.S. and apprenticeship or equivalent training and 8 years experience	<p>This technician performs non-routine and complex assignments involving responsibility for planning and conducting a complete project of relatively limited scope or a portion of a larger and more diverse project, selects and adapts plans, techniques, designs, or layouts, contacts personnel in related activities to resolve problems and coordinate the work, reviews, analyzes, and integrates the technical work of others.</p> <p>a. Designs, develops, and constructs major units, devices, or equipment; conducts tests or experiments; analyzes results and redesigns or modifies equipment to improve performance; and reports results.</p> <p>b. From general guidelines and specifications (e.g., size or weight requirements), develops designs for equipment without critical performance requirements that are difficult to satisfy such as engine parts, research instruments, or special purpose circuitry. Analyzes technical data to determine applicability to design problems; selects from several possible design layouts; calculates design data; and prepares layouts, detailed specifications, parts lists, estimates, procedures, etc. May check and analyze drawings or equipment to determine adequacy of drawings and design.</p> <p>c. Plans or assists in planning tests to evaluate equipment performance. Determines test requirements, equipment modification, and test procedures; conducts tests using all types of instruments; analyzes and evaluates test results, and prepares reports on findings and recommendations.</p>

Title	Education/General Experience*	Position duties/responsibilities
Engineering Technician IV*	H.S. and apprenticeship or equivalent training and 6 years experience	<p>The Engineering Technician IV performs non-routine assignments of substantial variety and complexity, using operational precedents that are not fully applicable, such assignments that are typically parts of broader assignments, are screened to eliminate unusual design problems. This incumbent may plan such assignments. This technician receives technical advice from supervisor or engineer. Performs one or a combination of such typical duties as:</p> <ul style="list-style-type: none"> a. Developing or reviewing designs by extracting and analyzing a variety of engineering data, applying conventional engineering practices to develop, prepare, or recommend schematics, designs, specifications, electrical drawings and parts lists.
Engineering Technician III*	H.S. and apprenticeship or equivalent training and 4 years experience	<p>The Engineering Technician III performs assignments that are not completely standardized or prescribed, selects or adapts standard procedures or equipment, using fully applicable precedents, receives initial instructions, equipment requirements, and advice from supervisor or engineer as needed, performs recurring work independently. This technician performs at this level one or a combination of such typical duties as:</p> <ul style="list-style-type: none"> a. Constructing components, subunits, or simple models or adapts standard equipment; may troubleshoot and correct malfunctions; b. Following specific layout and scientific diagrams to construct and package simple devices and subunits of equipment; c. Conducting various tests or experiments which may require minor modifications in test setups or procedures as well as subjective judgments in measurement, selecting, preparing, and operating standard test equipment and records test data; d. Extracting and compiling a variety of engineering data from field notes, manuals, lab reports, etc., processing data, identifying errors or inconsistencies, selecting methods of data presentation; e. Assisting in design modification by compiling data related to design, specifications, and materials that are pertinent to specific items of equipment or component parts; developing information concerning previous operational failures and modifications, and using judgment and initiative to recognize inconsistencies or gaps in data and seek sources to clarify information.
Engineering Technician II*	H.S. and apprenticeship or equivalent training and 2 years experience	<p>The Engineering Technician II performs standardized or prescribed assignments involving a sequence of related operations, follows standard work methods on recurring assignments but receives explicit instructions on unfamiliar assignments. This technician performs at this level, one or a combination of such typical duties as:</p> <ul style="list-style-type: none"> a. Following specific instructions, assembles or constructs simple or standard equipment or parts, servicing or repairing simple instruments or equipment; b. Conducting a variety of tests using established methods, preparing test specimens, adjusting and operating equipment, recording test data, and pointing out deviations resulting from equipment malfunction or observational errors; c. Extracting engineering data from various prescribed but non-standardized sources, processing the data following well-defined methods including elementary algebra and geometry, and presenting the data in prescribed form.

Title	Education/General Experience*	Position duties/responsibilities
Engineering Technician I*	H.S. and apprenticeship or equivalent training and experience	The Engineering Technician I performs simple routine tasks under close supervision or from detailed procedures. Work is checked in progress or on completion. This person performs one or a combination of such typical duties as: a. Assembling or installing equipment or parts requiring simple wiring, soldering, or connecting; b. Performing simple or routine tasks or tests such as tensile or hardness tests; operating and adjusting simple test equipment; records test data; c. Gathering and maintaining specified records of engineering data such as tests, drawings, etc.; performing computations by substituting numbers in specified formulas; plotting data and draws simple curves and graphs.
Electrician, Maintenance*	H.S. and apprenticeship or equivalent training and certification	Performs a variety of electrical trade functions such as the installation, maintenance, or repair of equipment for the generation, distribution, or utilization of electric energy.
Electronics Technician Maintenance III*	H.S. and apprenticeship or equivalent training and 4 years experience	Applies advanced technical knowledge to solve complex problems that typically cannot be solved solely by referencing manufacturers' manuals or similar documents. Work typically requires an understanding of the interrelationships of circuits, exercising independent judgment in performing such tasks as making circuit analyses, calculating wave forms, and tracing relationships in signal flow, using complex test instruments such as high frequency pulse generators, frequency synthesizers, distortion analyzers, and complex computer control equipment. Work may be reviewed by supervisor for general compliance with accepted practices. This position may provide technical guidance to lower level technicians.
Electronics Technician Maintenance II*	H.S. and apprenticeship or equivalent training and 2 years experience	Applies basic and some advanced technical knowledge to solve routine problems by interpreting manufacturers' manuals or similar documents. Work requires familiarity with the interrelationships of circuits and judgment in planning work sequence, in selecting tools, testing instruments, and is reviewed for compliance with accepted practices. This technician works under immediate supervision and achieves technical guidance, as required, from supervisor or higher-level technician.
Electronics Technician Maintenance I*	H.S. and apprenticeship or equivalent training and experience	Applies basic technical knowledge to perform simple or routine tasks following detailed instructions, performs such tasks as replacing components, wiring circuits, repairing simple electronic equipment; and taking test readings using common instruments such as digital multi-meters, signal generators, semiconductor testers, curve tracers, and oscilloscopes. This person works under close supervision receiving technical guidance from supervisor or higher-level technician. Work is checked frequently for accuracy.
Maintenance Trades Helper*	H.S.	The Maintenance Trades Helper assists one or more workers in the skilled maintenance trades by performing specific or general duties of lesser skill such as: keeping a worker supplied with materials and tools, cleaning working area, machine, and equipment; assisting journeyman by holding materials or tools; and performing other unskilled tasks as directed by journeyman. The kind of work the helper is permitted to perform varies from trade to trade.

*The labor categories that fall under the requirements of the Service Contract Act (SCA) (i.e. non-exempt labor categories).

Substitution / Equivalency

GED or vocational degree = high school diploma

AS/AA degree = two (2) years general experience

BS/BA = six (6) years general experience

MS/MA = four (4) years general experience

PhD = three (3) years general experience

Example: MS/MA degree = BS/BA + four (4) years of general experience