

Section C – 0100000
General Information

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Spec Item	Title	Description
1	General Information	
1.1	Outline of Services	<p>Except where otherwise stated, the Contractor shall furnish all labor, supervision, management, tools, materials, equipment, facilities, transportation, incidental engineering, and other items necessary to provide the services outlined below and described in this Performance Work Statement (PWS) at Pensacola Naval Regional Complex (PNRC) and Naval Hospital Pensacola (NHOS). PNRC includes Naval Air Station Pensacola (NASP), Saufley Field, Corry Station, Bronson Field, and tenant commands. These services are to be obtained by means of a facility support indefinite quantity contract, which includes recurring work (base line items) and non-recurring work. The PWS is organized into annexes. Annex 1 is "General Information". Annex 2 contains the on-site project management and administration requirements. Annexes 3 through 18 contain the technical requirements. The annex numbers are identified as 1 through 18 in the description column, but fully expanded annex numbers include seven digits (e.g., Annex 1 expanded number is 0100000 as shown in the header row at the top of this page).</p> <p>Annex 1 General Information Annex 2 Management and Administration Annex 3 Command and Staff-N/A Annex 4 Public Safety-N/A Annex 5 Air Operations-N/A Annex 6 Port Operations Annex 7 Ordnance-N/A Annex 8 Range Operations-N/A Annex 9 Health Care Support-N/A Annex 10 Supply-N/A Annex 11 Personnel Support-N/A Annex 12 Morale, Welfare and Recreation Support -N/A Annex 13 Galley-N/A Annex 14 Housing-N/A Annex 15 Facilities Support 1501000-Facility Management 1502000-Facility Investment 1502000-Facility Investment-BUMED 1503060-Pavement Clearance Annex 16 Utilities 1601000-Utilities Management 1602000-Electrical 1603000-Natural Gas 1604000-Wastewater 1605000-Steam 1606000-Water 1607000-Chiller Annex 17 Base Support Vehicles and Equipment Annex 18 Environmental</p>

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1.2	Project Location	<p>The work shall be performed at various locations and could vary from location to location. The following is an example of the dispersion of work at the various locations.</p> <ul style="list-style-type: none"> (1) Port Operations – PNRC (2) Facility Management – PNRC and NHOS (3) Facility Investment – PNRC and NHOS (4) Pavement Clearance – PNRC and NHOS (5) Chiller – PNRC and NHOS (6) Electrical – PNRC and NHOS (7) Gas - PNRC (8) Wastewater – PNRC and NHOS (9) Steam - PNRC and NHOS (10) Water – PNRC and NHOS (11) Base Support Vehicles and Equipment – PNRC and NHOS (12) Environmental – PNRC and NHOS
1.3	Acquisition of Additional Work	<p>The Government reserves the right to acquire additional services at additional locations in addition to the services and locations identified in the recurring work requirements of this contract. Additional services will be incorporated into the contract in accordance with the CHANGES clause, SECTION I or ordered under the non-recurring work provisions of the contract. Items of work not covered by this contract but within the general intent are considered in the scope of this contract.</p>
1.4	Background Information	<p>The Pensacola Naval Regional Complex (PNRC) is located in the western section of the Florida panhandle, with bases and commands located in Escambia county. NASP is located in southwest Pensacola and is bordered by Pensacola Bay to the east and south. The Naval Hospital, an 8-story 60-bed ambulatory care medical and surgical hospital, is located on West Hwy 98 between Navy Blvd and Fairfield Drive. Saufley Field is located approximately 15 miles north of the back gate to NASP. Corry Station is located adjacent to the Navy Hospital and just west of Navy Blvd, with access from both Navy Blvd and West Hwy 98. A list of current facilities and maps are provided in the Technical Library.</p>
1.5	Verification of Workload and Conditions	<p>Throughout the PWS, the workload data is generally referred to as being located in Section J. Section J provides data such as system descriptions, maps, floor plans, and tables to represent the type, quantity, and location of services to be provided. However, offerors are encouraged to visit the project site during the site visit for offerors and to visit the technical library during posted hours as part of its due diligence to assess the nature of work and conditions under which work is to be performed.</p>
1.6	Climate Patterns	<p>The climate in Northwest Florida is generally moderate. Summers are long and warm with an average relative humidity of about 80 percent. Winters, although punctuated with periodic invasions of cool to occasionally cold air from the north, are mild.</p> <p>The annual average temperature for the area is 67.9 degrees Fahrenheit. July is the hottest month, with an average maximum temperature of 90 degrees Fahrenheit, while the coldest month of the year is January with an average minimum temperature of 42 degrees Fahrenheit.</p> <p>Temperature variations between night and day tend to be fairly limited during summer with a difference that can reach 19 degrees Fahrenheit, and moderate during winter with an average difference of 21 degrees Fahrenheit.</p>

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		<p>The annual average precipitation at Pensacola is 65.35 Inches. Rainfall is fairly evenly distributed throughout the year. The wettest month of the year is July with an average rainfall of 7.4 Inches.</p> <p>Naval Air Station Pensacola’s proximity to the Gulf of Mexico makes it extremely susceptible to Tropical Cyclones and their effects. The official Tropical Cyclone season begins June 1st and runs through November 30th each year, although Tropical Cyclones have been known to develop as early as May and as late as December. The peak period of Tropical Cyclone is August through October. It is during this period that storm frequency and intensity increases.</p>
1.7	Related Information	<p>There are four types of Related Information that can be found in the Description and Related Information columns of the specification as follows:</p> <p>Informational Notes as used throughout this PWS provides additional information to offerors to be used in developing a thorough understanding of the work to be performed in this contract. Any block of text marked “Informational Notes” throughout Annexes 1 through 18 is subject to this disclaimer. Offerors may not rely upon the "Informational Notes" as material representations of the Government. Information provided in "Informational Notes" does not create a contractual requirement on either party to this contract.</p> <p>Clarifying Information describes client expectations in a more detailed manner than the Performance Objective and Performance standard alone.</p> <p>Constraining Information describes limitations to the work performed to meet the Performance Objective and Performance Standard.</p> <p>Requirement Information further describes client requirements associated with each Performance Objective.</p>
1.8	Navy Approach to Service Contracting	<p>The Department of Navy (DoN) spends over \$1 billion in annual obligations to meet global requirements for facility operations and maintenance provided through Facility Support Contracts (FSC) and additional billions to provide other base operations support services (OBOS). The Head of the Contracting Activity (HCA) of the Naval Facilities Engineering Command (NAVFAC) has focused increased attention on re-engineering FSC contracts in response to customer and industry feedback, budget constraints, and the impact of a variety of contracting, program management and financial management regulations. The Navy also supports the following principles:</p>
1.8.1	Partnering Philosophy	<p>The first principle is that the Navy views its contractors as partners and not just abstract service providers. The Navy wants its contractors to succeed because partners' success drives the Navy's successful mission completion. Within the bounds of acquisition policy the Navy intends to work to find solutions that will be beneficial to both the Government and its partners.</p>
1.8.2	Contractor's Knowledge	<p>The second principle is that the Navy will receive insightful management from its contractors. This management will include the knowledge, skills, authority and willingness to use contractor resources to find better ways of serving Navy clients’ strategic and operational goals and objectives. The Navy's use of performance-based objectives evidences this principle. Although performance work statements will typically contain several levels of performance assessment, the Navy wants its contractors to exercise maximum discretion within bounds of prudent risk management to adjust processes and resources</p>

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		needed to reach specified objectives at the highest performance level.
1.8.3	Industry Best Practices	The third principle is that the Navy will adopt industry best commercial practices and maintain state-of-the-art service delivery. It is the Navy's and contractor's responsibility as partners to reach this goal. To that end, the Navy's emphasis will be in evaluating performance objectives (end results).
1.9	Standard Template	<p>Key to implementing a programmatic approach is using a standard template that ensures Navy-wide consistency yet affords appropriate tailoring to meet local needs. This contract conforms to the standard template and has been tailored for this solicitation. NAVFAC intends to use this template-based approach for future service contracts. Offerors should develop an understanding of the template as part of performing due diligence in reaching an understanding of the Navy's requirements and expectations.</p> <p>The standard template contains 18 standard annexes. Annex 1 will always contain information that is relevant to the entire scope of the contract. Annex 2 contains on-site project management and administration requirements that are relevant to the entire scope of the contract. Annexes 3 through 18 contain the technical information and requirements peculiar to that technical annex. Within each technical annex, the organization of information and requirements are also standardized. Specification item 1 will always contain General Information. Specification item 2 will always contain the management and administrative requirements. Specification item 3 will always contain the recurring work requirements. Specification item 4 will always contain the non-recurring work requirements. Requirements and standards for higher level specification items apply to all subordinate specification items, e.g., Specification Item 3 standards apply to all recurring work specification items. Specification Item 3.1 is applicable to all 3.1 subordinate specification items. Specification Items 3.2 and 3.3 are not considered subordinate to 3.1. All costs associated with Annexes 1 and 2 and Specification items 1 and 2 must be priced and distributed within Specification Item 3 of Annexes 3 through 18.</p>
1.10	Navy PBSA Approach	The Navy's approach to performance-based service acquisition (PBSA) includes four component parts which are 1) performance outcomes, 2) measurable standards, 3) consideration of incentives, and 4) performance assessment plan.
1.11	Technical Proposal Certification	The Contractor warrants that its proposal incorporated herein by reference will meet or exceed the performance objectives set forth in this contract.

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2.1	Definitions and Acronyms	Definitions and Acronyms are listed in J-0200000-01.
2.2	General Information	
2.2.1	Government Regular Working Hours	The Government's regular working hours are from 0630-1700, five days per week, Monday through Friday, except observed Federal holidays. Exceptions to the regular hours of operation are detailed in subsequent sections of this PWS. Work in certain annexes or sub-annexes require Contractor continuous operations, 24 hours a day, every day of the year including holidays. The performance of other work requirements shall be accomplished within the Government's regular working hours unless the specific work requirement specified herein necessitates otherwise. Any other work outside Government regular working hours requires prior KO approval.
2.2.1.1	Observed Federal Holidays	The Government observes the following holidays: New Year's Day, Birthday of Martin Luther King, Jr., Washington's Birthday, Memorial Day, Independence Day, Labor Day, Columbus Day, Veterans Day, Thanksgiving Day, and Christmas Day.
2.2.1.2	Restriction to Contractor Working Hours	If the Contractor wishes to work outside of the Government's regular working hours for the Contractor's convenience, the Contractor shall submit a written Request to Work Outside Government's Regular Working Hours per Section F. Excludes work to be performed during specified hours.
2.2.2	Wage Determinations	Placeholder for Collective Bargaining Agreements, Service Contract Labor Standards and Wage Rate Requirements wage determinations provided in J-0200000-02.
2.2.3	Requirements Hierarchy	Requirements or definitions specified in each spec item of this contract apply to subordinate paragraphs. For example, requirements shown in spec item 3.1 would apply to spec items 3.1.1, 3.1.2, 3.1.2.1 and so on. Likewise, Performance Standards specified at a lower digit level (i.e. spec item 3.1.1, 3.1.2, 3.1.2.1) apply when performance is assessed at a higher tier (i.e., spec item 3.1) based on the composite work requirements.
2.3	General Administrative Requirements	
2.3.1	Required Conferences and Meetings	The Contractor may be required to attend administrative and coordination meetings. The Contractor shall attend meetings as shown in J-0200000-03.
2.3.2	Training for Maintenance and Operation of New and Replacement Systems and Equipment	When construction, renovation, or repair work is performed by means other than this contract, the Contractor shall attend Government or other Contractor provided training, as applicable, for maintenance and operation of new and replacement systems and equipment.
2.3.3	Partnering	To increase the likelihood of successful performance of this contract, the Government requires cohesive partnerships with its Contractors and subcontractors. Key stakeholders, including the supported commands who will receive services, principal individuals from NAVFAC, the performance assessment team, and representative(s) of the installation(s) will be invited to

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		<p>participate in the partnering process. Key members of the prime and subcontractors teams, including senior management personnel must participate. The partnership will draw on the strength of each organization in an effort to achieve quality contract services done right the first time, within the contract price, as scheduled, and without any safety mishaps.</p> <p>Partnering should accomplish three goals:</p> <ul style="list-style-type: none"> - The first goal is to develop a cohesive team with common purpose, commitment and established communication processes. - The second goal of partnering is contract specific, identifying risks and opportunities for the team to address. - The third goal is to sustain the Partnership throughout the contract by identifying and addressing issues that affect the Partnership.
2.3.3.1	Formal Partnering	<p>The initial session should be scheduled concurrent with the Pre-Performance Conference and held no later than 30 days after award. The initial Partnering Meeting will be at least one day in duration and held at a neutral location off the installation that is acceptable to the Contractor and to the Government. Follow-on sessions should be scheduled every three to six months and typically last a half day or less. The frequency, duration, and locations of follow-on sessions should be agreed to by both parties during the initial Partnering Meeting. The Contractor shall pay all costs associated with the partnering effort including facilitator, meeting room, and other incidental items. Before the partnering session, the Contractor shall coordinate with the facilitator the requirements for incidental items (audio-visual equipment, computer(s), two easels, flipchart paper, colored markers, note paper, pens/pencils, colored flash cards, etc.) and have these items available at the partnering session. The Contractor will provide copies of any documents used for the Partnering Meeting for distribution to all attendees. The facilitator must be acceptable to both the Contractor and the Government. The participants shall pay their own costs for meals, lodging, and transportation associated with partnering.</p>
2.3.3.2	Contract Partnering Administration	<p>Upon award, the ACO will contact the Contractor, supported command(s), Region, and Installation(s) stakeholders, and the performance assessment team to discuss implementation of partnering. A partnership agreement, The Charter, should be in place as early as possible so issues arising, even before work begins, can be resolved using the issues resolution process. Replacement of Core Management Team members (stakeholders who attended the initial session and manage the contract work day-to-day) is discouraged since it will disrupt the synergy that has been developed. If replacement of a team member proves to be unavoidable, a follow-on partnering session may be held to officially turn the responsibilities of the position over to the new member by agreement of both parties.</p> <p>The Core Management Team consisting of the attendees below must be present during the initial and all follow-on partnering sessions. These are the core mandatory attendees. Other stakeholders may attend if they desire or as recommended by the partners.</p>
2.3.3.3	Contract Partnering Session Attendees	<p>The Contractor shall bring the necessary personnel to successfully partner on this contract. Asterisk indicates mandatory personnel.</p> <ul style="list-style-type: none"> * President/Vice President * Project Manager * Quality Manager * Site Safety and Health Officer

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		Sub-contractor Reps
2.3.4	Permits and Licenses	The Contractor shall obtain all required permits, licenses, and authorizations to perform work under this contract and comply with all the applicable Federal, state and local laws and regulations. The Contractor shall submit copies of Permits and Licenses per Section F.
2.3.5	Insurance	The Contractor shall submit a Certificate of Insurance per Section F as evidence of the existence of the following insurance coverage in amounts not less than the amounts specified below in accordance with the FAR Clause 52.228-5, INSURANCE – WORK ON A GOVERNMENT INSTALLATION. This insurance must be maintained during the performance period.
2.3.5.1	Certificate of Insurance	The Certificate of Insurance shall provide for at least 30 calendar days written notice to the KO by the insurance company prior to cancellation or material change in policy coverage. Other requirements and information are contained in the aforementioned insurance clause.
2.3.5.2	Minimum Insurance Amounts	The Contractor shall procure and maintain, during the entire period of performance under this contract, the following minimum insurance coverage: Comprehensive General Liability: \$500,000 per occurrence Automobile Liability: \$200,000 per person, \$500,000 per occurrence, \$20,000 per occurrence for property damage Workmen's Compensation: As required by Federal and state worker's compensation and occupational disease statutes Employer's Liability coverage: \$100,000, except in states where worker's compensation may not be written by private carriers Other as required by state law
2.3.6	Protection of Government Property	During execution of the work, the Contractor shall protect Government property. The Contractor shall return areas damaged as a result of negligence under this contract to their original condition at no cost to the Government.
2.3.7	Directives, Instructions, and References	Department of Defense (DoD), Secretary of the Navy (SECNAV), Chief of Naval Operations (OPNAV), and other applicable Directives, Instructions, and References are listed in J-0200000-04 and throughout the contract. The Contractor shall comply with the most current version of directives, instructions, and references including versions published during the term of the contract.
2.3.8	Invoicing Procedures	Refer to clause 252.232-7006 titled “Wide Area WorkFlow Payment Instructions” and DFARS Clause 252.232-7003 titled “Electronic Submission of Payment Request” in the RFP.
2.3.9	Forms	Forms referenced in this Annex, e.g. accident reporting, and damage reporting are included among the Forms in J-0200000-05.
2.4	Government-Furnished Property, Materials and Services	In accordance with Section H, paragraph H.10 Govt-Furnished Property, and the following paragraphs, the Government will furnish or make available to the Contractor certain Government-owned facilities and utilities for use in connection with this contract as stated below.
2.4.1	Government-Furnished Facilities (GFF)	The Government will furnish or make available to the Contractor the facilities described in J-0200000-06, and as identified throughout the contract document. The Contractor shall maintain all shops, material storage, buildings, structures, and all areas furnished for the performance of this

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		<p>contract in a clean, neat, orderly and sanitary condition.</p> <p>If the Contractor wants to make any modifications or alterations to Government furnished facilities, the Contractor shall obtain written approval from the KO before beginning work. All modifications or alterations approved by the Government will be made at the expense of the Contractor. At the completion or termination of the contract, all facilities shall be returned to the Government in the same condition as received, except for reasonable wear and tear and for approved modifications or alterations performed.</p>
2.4.2	Government-Furnished Utilities	<p>The Government will furnish water and electricity at existing outlets required for the work to be performed under the contract at the Contractor's expense. The Contractor shall provide and maintain, at its expense, the necessary service lines from the existing Government outlets to the work site. Provide and maintain backflow prevention devices on connections to domestic water lines and electrical transformer provisions on connections to electric lines. Meet all Federal, State, local, and installation codes and regulations for backflow prevention devices and electrical transformer provisions. Services required by the Contractor, for which there are no available Government outlets, shall be provided by the Contractor.</p> <p>The Contractor is responsible for the cost of all utilities at all Government-provided offices, warehouses and any additional Contractor-owned storage facilities, at prevailing Naval Station rates. The Contractor will be billed directly for all utilities provided to all Contractor occupied facilities. The quantities will be estimated where meters are not provided based on UFC 3-401-05N. Utility rates billed to the Contractor will be at the following rates.</p> <ol style="list-style-type: none"> 1. Electrical – the current rate for electrical services is \$114.95 MWH. 2. Water – the current rate for water is \$10.21 per KGAL 3. Sewage – the current rate for sewage services is \$8.49 per thousand gallons, based on 95% of the water consumption 4. Chilled Water – the current rate for chilled water is \$17.39 per MBTU 5. Natural Gas – the current rate for natural gas is \$8.75 per MBTU. <p>Variations in Rate:</p> <ul style="list-style-type: none"> • Utility rates are subject to change. • Changes in the utility rates shall not be basis for adjustment to the contract price or a claim unless the deviation from the quoted price exceeds 15%. When a utility rate varies by more than 15%, the contract price will be adjusted to reflect the amount the actual charge exceeds the rate quoted; however, the Government will only be liable for the amount of cost exceeding 15% of the rate quoted. For example, if a quoted rate increases by 16%, the Government will only be liable for 1% of the rate increase. Vice versa if the quoted rate decreases by 16%.
2.4.3	Government-Furnished Material	Unless otherwise noted, Government Furnished Material will not be provided.
2.4.4	Government-Furnished Equipment	No Government Furnished Equipment will be provided.
2.4.5	Government-Furnished Services	No Government Furnished Services will be provided.

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2.5	Contractor-Furnished Items	<p>Except for items identified as Government Furnished, the Contractor shall provide all equipment, materials, parts, supplies, components, and facilities to perform the requirements of this contract. The KO may inspect Contractor-furnished items for adequacy and compliance with contract requirements. Inadequate or unsafe items shall be removed and replaced by the Contractor. Materials containing asbestos, lead, and polychlorinated biphenyls (PCBs) shall not be brought onsite. Energy efficient tools and equipment shall be used when available. The KO may at any time require Samples, Safety Data Sheets (SDS), or Manufacturer’s Data Cut Sheets of Materials used in this contract.</p> <p>(1) All materials, supplies, parts, equipment, and appliances furnished by the Contractor shall conform to the applicable specifications. Material not included in these specifications shall be equal to or better than the manufacturer's original, shall be of acceptable industrial grade and quality, and shall be compatible with existing systems. All parts shall be new or reconditioned parts and components. All parts, including reconditioned parts, shall carry at least a sixty (60) day factory or manufacturer's warranty, whichever is greater. The Contractor shall retain original parts for at least ten (10) days following completion of the job and make these parts readily available for inspection by the KO upon request. The Contractor shall purchase these materials at the lowest available price.</p> <p>(2) The Government has the option to purchase replacement parts, equipment, etc. and provide them to the Contractor for installation.</p> <p>(3) When materials, including equipment components, require extended delivery dates, the Contractor shall make every effort to minimize and reduce the time required for delivery by the use of air freight, priority mail, or by other means necessary to expedite the arrival time of the item ordered. Delivery delays do not relieve the contractor from meeting the time constraints set by the contract.</p>
2.6	Management	The Contractor shall manage the total work effort associated with the services required herein to meet the performance objectives and standards. Such management includes but is not limited to planning, scheduling, cost accounting, report preparation, establishing and maintaining records (including updating the AS BUILTS), and quality assurance. The Contractor shall provide a staff with the necessary management expertise to ensure performance objectives and standards are met.
2.6.1	Work Reception	The Contractor shall receive, prioritize, correspond, and respond to trouble, calls, service orders, and task orders during Government regular working hours and provide a point of contact at a local or toll free number who can perform the above function during other than Government regular working hours.
2.6.1.1	Closing Work Orders	<p>Upon completion of work, the Contractor shall notify the customer's point of contact. The Contractor shall provide one copy of each completed work order to the COR one working day after completion of work.</p> <p>The Contractor shall accurately document and close out the work order in their CMMS and ensure it is included in the flat file transfer within one working day after completion of work.</p>

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		<p>On site documentation shall be accurately completed.</p> <p>Worksites, equipment, and spaces shall be left in a clean and safe condition.</p>
2.6.2	Work Control	<p>The Contractor shall implement all necessary work control procedures to ensure timely accomplishment of work requirements, as well as to permit tracking and reporting of work in progress. The Contractor shall plan and schedule work to ensure material, labor, and equipment are available to complete work requirements within the specified time limits and in conformance with the quality standards established herein. Verbal scheduling and work status updates shall be provided when requested by the KO or their authorized representative. A status update of any item of work must be provided within 30 minutes of the inquiry during regular working hours, and by 0800 the following work day for inquiries after regular working hours.</p>
2.6.3	Work Schedule	<p>The Contractor's work shall not interfere with normal Government business. In those cases where some interference is unavoidable, the Contractor shall minimize the impact and effects of the interference. The Contractor shall provide advance access of all of its work schedules to the Government. The Contractor shall notify the KO of any difficulty in scheduling work due to Government controls.</p>
2.6.4	Deliverables	<p>Records and reports are specified in Sections C, F, H, and I. The Contractor shall submit accurate and complete documents within the required timeframes as specified in these Sections. The Contractor shall revise/modify records and reports, as directed by the KO.</p> <p>Except where otherwise specified, all deliverables shall be submitted in a format compatible with the most recent Government installed Microsoft Office Version (currently 2010). Deliverable data shall be capable of being sorted by annex/sub-annex, spec item and ELIN/Sub-ELIN or clause.</p> <p>Government acceptance of deliverables will not relieve the Contractor of the responsibility for any error or omission which may exist in the deliverable, as the Contractor is responsible for all requirements of this contract.</p> <p>The Contractor shall establish and maintain a secure website for posting an electronic copy of all deliverables. The Contractor shall allow only authorized Government and Contractor personnel to access the website. Government personnel access shall be limited to viewing and downloading of deliverables, but restricted from posting to the website. The Contractor shall notify the Government by email whenever there are new or updated deliverables posted to the website. Each deliverable posting on the website and each email notification shall include the title of the deliverable, section, annex/sub-annex, spec item number or clause requiring the deliverable, and the date and time the deliverable was posted. All deliverables shall be available to authorized Government personnel 24 hours/day and 365 days/year for the duration of the contract.</p> <p>The Contractor shall provide status of deliverables per Section F.</p>
2.6.5	Service Interruptions	<p>If any utilities or other services must be discontinued (even temporarily) due to scheduled contract work, the Contractor shall follow local SOP.</p> <p>If the discontinued service is due to an emergency breakdown the Contractor shall notify the KO, affected tenants, and customers as soon as practicable.</p>

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		The Contractor shall notify the KO, affected tenants, and customers when service is restored.
2.6.6	Government's Computerized Maintenance Management Systems (CMMS)	<p>MAXIMO is the Computerized Maintenance Management System (CMMS) used by the Government for work order history, asset management, and condition assessment. The Contractor shall provide all required data for NAVFAC MAXIMO as identified below:</p> <p>Required data fields for Service Provider Information is provided in J-0200000-07 and Asset Information is provided in J-0200000-08 shall be provided for all work performed in Annexes/Sub-annexes 1502000 Facility Investment, 1601000 Utilities Management, 1602000 Electrical, 1603000 Natural Gas, 1604000 Wastewater, 1605000 Steam, 1606000 Water, 1607000 Chiller, 1700000 Base Support Vehicles and Equipment, and 1800000 Environmental.</p> <p>Additional data fields for Utilities assets Specification Information is provided in J-0200000-09 and Characteristic Meter Reading Information is provided in J-0200000-10.</p> <p>Further instructional information detailing the process for submitting the specified information for NAVFAC MAXIMO Data Reporting is provided in J-0200000-11.</p> <p>The Contractor shall provide data for NAVFAC MAXIMO by DIRECT ENTRY. The Contractor shall manually enter required work order and asset data directly into NAVFAC MAXIMO. The Contractor shall ensure all information is updated by the end of each workday for all work performed.</p>
2.6.6.1	System Access	<p>Contractor employees shall obtain a CAC in accordance with security requirements, successfully complete required training, submit a Systems Authorization Access Request (SAAR) Form, and meet all eligibility requirements prior to being granted access to the Government's Maximo. The Government will determine the level of access, restrictions, and provide user identification, password, and system access URL details when eligibility requirements are met.</p> <p>The Contractor shall submit a complete list of personnel requiring access to Government's Maximo per Section F. The Contractor shall provide information on each employee as required by Government information technology personnel.</p>
2.6.6.2	Asset/System and Workload Data	The Contractor shall maintain and keep current all asset records and system descriptions associated with any annex in this contract. The Contractor shall maintain and keep current all workload data, such as: service orders, preventive maintenance, preventive maintenance incidental repairs, integrated maintenance, integrated maintenance repairs, inspection, testing, and certifications, other recurring services, etc... Current and accurate asset/system and workload data shall be submitted to the KO per Section F.
2.6.7	Quality Management System (QMS)	<p>The Contractor shall establish and maintain a complete QMS program in accordance with the provisions specified herein. The Contractor's QMS program shall provide an effective and efficient means of identifying and correcting problems throughout the entire scope of operations. The Contractor's QMS program shall address:</p> <ul style="list-style-type: none"> • Accurate documentation of work processes, procedures, and output

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		<p>measures.</p> <ul style="list-style-type: none"> • A systematic procedure for assessing compliance with performance objectives and standards. • Accurate documentation of quality inspections and surveillance conducted throughout the execution of work. • Assessment-driven corrective actions and process adjustments as appropriate in a timely manner.
2.6.7.1	Quality Management (QM) Plan	<p>The Contractor shall develop and submit a QM Plan per Section F. The QM Plan shall describe the QMS methodology and approaches used under this contract. If any changes are made during the period of performance, submit to the KO a revised QM Plan for acceptance.</p> <p>The Contractor's QM Plan shall include, at a minimum, the following:</p> <ul style="list-style-type: none"> • Policy and objectives of Quality Management System (QMS) • Quality organization <ul style="list-style-type: none"> ○ List of personnel ○ Responsibilities & lines of authority ○ Training and qualifications • Approach to assuring quality of services provided and conformance with performance objectives and standards • Methods and procedures for effective planning, operation and control of processes and performance of work • Procedures for inspection and surveillance of services <ul style="list-style-type: none"> ○ confirm IMP systems are operating per contract requirements' ○ Scheduling and performance of inspection and surveillance ○ Measurement, data collection and analysis ○ Corrective action, preventive action, and continuous improvement ○ Oversight of subcontracted work • Documentation and records management • Communication with government (customers)
2.6.7.2	Quality Inspection and Surveillance	<p>The Contractor shall establish and maintain an inspection and surveillance system in accordance with the FAR Clause 52.246-4, INSPECTION OF SERVICES – FIXED PRICE, to ensure that the work performed conforms to the contract requirements. The Contractor shall document and maintain a file of all scheduled and performed inspections and surveillances, inspection and surveillance results, and dates and details of corrective and preventive actions. The quality inspection and surveillance file shall be the property of the Government and made available during the Government's regular working hours. The file shall be turned over to the KO within five calendar days of completion or termination of the contract.</p>
2.6.7.3	Quality Inspection and Surveillance Report	<p>The Contractor shall submit a copy of the Contractor Quality Inspection and Surveillance Report per Section F. The Contractor Quality Inspection and Surveillance Report shall include a summary and results of the quality inspection and surveillance events performed and assessment-driven corrective actions and process adjustments during the previous month. The Government may adjust the frequency of the submittal based upon the Contractor's quality of performance.</p>
2.6.8	Property Management Plan	<p>The Contractor shall establish and maintain a plan that meets the contract clause requirements of Specification Item 2.4, Government-Furnished Property, Materials and Services, of this Annex. This plan shall identify the Contractor's policies, procedures, and practices in receiving and performing physical inventories, repairing and maintaining, preserving and protecting,</p>

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		and reporting the disposition of accepted government property in its possession. The Property Management Plan shall be submitted per Section F.
2.6.9	System and Equipment Replacement	The Contractor shall maintain the integrity and performance of existing energy saving, water conservation or other sustainability design features of systems and equipment in the performance of repair and replacement work.
2.7	Personnel Requirements	The Contractor shall comply with the personnel requirements stated below.
2.7.1	Key Personnel	<p>The Contractor shall submit a List of Key Personnel and Qualifications per Section F for government approval. The Contractor shall provide any additional information requested by the KO necessary to certify their qualifications.</p> <p>The Contractor shall submit an Organizational Chart per Section F showing lines of authority of the key personnel and on-site supervisor(s) for this contract. The chart shall include names of personnel and their position title in this contract. As a minimum, include the PM, Quality Manager, SSHO, and on-site supervisor(s) and who they will report directly to for this contract. The key personnel shall be revised as applicable for the contract.</p>
2.7.1.1	Project Manager (PM)	<p>The Contractor shall provide a PM and designated alternate, as applicable, who has full authority to act for the Contractor on all contract matters relating to this contract. The PM or alternate shall be on-site during the Government's regular working hours and shall be available on-site within one hour after the Government's regular working hours.</p> <p>The PM shall have at least five years of experience in managing a workforce providing services on contracts of similar size, scope and complexity. The PM may not be the same person as the Quality Manager or Site Safety and Health Officer.</p>
2.7.1.2	Quality Manager	<p>The Contractor shall provide a Quality Manager or designated alternate shall be on-site during the Government's regular working hours and shall be available on-site within two hours after the Government's regular working hours. The Quality Manager must report directly to a senior corporate official and shall not report directly to the Project Manager.</p> <p>The Quality Manager shall have fulfilled the following pre-requisite training and experiences before being hired as the Quality Manager under this contract:</p> <p>The Quality Manager shall have at least five years of experience in preparing and enforcing QMS programs on contracts of similar size, scope and complexity. The Quality Manager shall not be the same person as the Project Manager or Site Safety and Health Officer.</p>
2.7.1.3	Site Safety and Health Officer (SSHO)	<p>The SSHO must meet the requirements of EM 385-1-1 Section 1 and ensure that the requirements of 29 CFR 1926.16 are met for the project. Provide a Safety oversight team that includes a minimum of one Competent Person at each project site to function as the Site Safety and Health Officer (SSHO). The SSHO or an equally-qualified Designated Representative/alternate shall be on-site at all times when work is being performed to implement and administer the Contractor's safety program and government-accepted Accident Prevention Plan. The SSHO's training, experience, and qualifications shall be as required by EM 385-1-1 paragraph 01.A.17, entitled SITE SAFETY AND HEALTH OFFICER (SSHO), and all associated sub-</p>

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		<p>paragraphs.</p> <p>A Competent Person shall be provided for all of the hazards identified in the Contractor's Safety and Health Program in accordance with the accepted Accident Prevention Plan, and shall be on-site at all times when the work that presents the hazards associated with their professional expertise is being performed. Provide the credentials of the Competent Persons(s) to the Contracting Officer for acceptance in consultation with the Safety Office.</p> <p>The Contractor shall provide an SSHO whose primary duty and responsibility is to prepare and enforce the Contractor's safety program on this contract. The SSHO shall have fulfilled the following pre-requisite training and experiences before being hired as the SSHO under this contract:</p> <p>The SSHO shall have completed five years of satisfactory experience in preparing and enforcing safety programs on contracts of similar size and complexity in the past, or three years of experience if they possess a Certified Safety Professional (CSP) credential or safety and health degree. The SSHO shall have completed the OSHA 30-hour construction safety class or equivalent and maintain competency through 24 hours of formal safety and health related coursework every four years. The SSHO may not perform any other duties besides what's specified herein.</p>
2.7.1.4	Quality control Personnel	<p>The Contractor shall provide, at a minimum, at least one QC specialist with each of the following experience levels:</p> <ul style="list-style-type: none"> o Eight years industrial HVAC&R experience o Eight years industrial elevator experience o Eight years industrial electrical/fire alarm experience o Eight years medical facilities maintenance experience
2.7.2	Employee Requirements	<p>The Contractor shall provide experienced, qualified, and capable personnel to perform the work in this contract. Personnel shall be fully knowledgeable of all safety, environmental, and energy requirements associated with the work they perform. Personnel shall speak, read, and comprehend English to the extent that they can perform the contract requirements and comply with installation emergency procedures.</p> <p>The Contractor's staff shall have the ability to provide accurate estimates for over scope work and Non- Recurring Work task orders throughout the contract.</p>
2.7.2.1	Employee Certification and Training	<p>The Contractor shall maintain personnel certification, training, and licensing records for employee requirements specified herein and within all technical annexes/sub-annexes. Certification, training, and licensing records shall be kept current and on file for the duration of the contract including all option periods. Records shall be made available for Government review within 4 hours of request.</p>
2.7.2.2	Employee Appearance	<p>The Contractor shall ensure that all employees present a professional appearance that is appropriate for their position. The KO reserves the right to determine the acceptability of any clothing worn. All Contractor/subcontractor employees working under this contract shall be identified by a distinctive nameplate, emblem, or patch attached in a prominent place on an outer garment. Employee identification shall not be substituted for station required passes or badges.</p>
2.7.2.3	Employee	<p>Contractor employees shall conduct themselves in a proper, efficient,</p>

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	Conduct	courteous and businesslike manner.
2.7.2.4	Identification as Contractor Employee	Contractor employees shall identify themselves as Contractor personnel by introducing themselves or being introduced as Contractor personnel and displaying distinguishing badges or other visible identification for meetings with Government personnel. All Contractor employees shall appropriately identify themselves as contractor employees in telephone conversations and in formal and informal written correspondence.
2.7.2.5	Removal of Employees	The Contractor shall remove from the site any individual whose continued employment is deemed by the KO to be contrary to the public interest or inconsistent with the best interests of National Security.
2.7.2.6	Proof of Legal Residency	No employee or representative of the Contractor will be admitted to the site of work unless satisfactory Proof of Legal Residency is furnished per Section F.
2.7.3	Enterprise-wide Contractor Manpower Reporting Application (eCMRA)	<p>The following manpower reporting is required by NMCARS 5237.102. The Contractor shall report all contractor labor hours (including subcontractor labor hours) required for performance of services provided under this contract via a secure data collection site. The contractor is required to completely fill in all required data fields using the following web address: https://doncmra.nmci.navy.mil.</p> <p>Per Section F, reporting inputs will be for the labor executed during the period of performance during each Government fiscal year (FY), which runs October 1 through September 30. While inputs may be reported any time during the FY, all data shall be reported no later than October 31 of each calendar year. Contractors may direct questions to the help desk , linked at https://doncmra.nmci.navy.mil.</p>
2.8	Security Requirements	The Contractor shall comply with all Federal, state, and local security statutes, regulations, and requirements. The Contractor shall become acquainted with and comply with all Government regulations as posted, or as requested by the KO when required to enter a Government site. The Contractor shall ensure that all security/entrance clearances are obtained.
2.8.1	Employee Listing	The Contractor shall maintain a current Employee List and submit per Section F. The list shall include employee's name, supervisor, company, and level of security clearance.
2.8.2	Vehicles	The company name shall be displayed on each of the Contractor's vehicles in a manner and size that is clearly visible. All vehicles shall display a valid state license plate that complies with State Vehicle Code. Vehicles shall meet all other requirement of the State Vehicle Code, such as safety standards, and shall carry proof of insurance and state registration.
2.8.3	Passes and Badges	All Contractor employees shall obtain the required employee and vehicle passes and registration in accordance with DoD & installation instruction. If the position requires it, Contractor employees must be able to obtain Common Access Cards (CAC) in accordance with security requirements. Each employee shall wear the Government issued badge over the front of the outer clothing. When an employee leaves the Contractor's service, the employee's Passes and Badges shall be returned within 10 calendar days.
2.8.4	Access to Installation	All Contractor personnel shall obtain access to the installation by participating in the Navy Commercial Access Control System (NCACS), or by obtaining passes each day from the Base Pass and Identification Office. Costs for obtaining passes through the NCACS are the responsibility of the Contractor. One-day passes, issued through the Base Pass and Identification

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		Office, will be furnished without charge. The Contractor shall furnish a completed EMPLOYMENT ELIGIBILITY VERIFICATION (DHS FORM I-9) form for all personnel requesting badges. This form is available at http://www.uscis.gov/portal/site/uscis by searching or selecting Employment Verification (Form I-9). Immediately report instances of lost or stolen badges to the Contracting Officer.
2.8.4.1	NCACS Program	NCACS is a voluntary program in which Contractor personnel who enroll, and are approved, are subsequently granted access to the installation for a period up to one year, or the length of the contract, whichever is less, and are not required to obtain a new pass from the Base Pass and Identification Office for each visit. The Government performs background screening and credentialing. Throughout the year the Contractor employee must continue to meet background screening standards. Periodic background screenings are conducted to verify continued NCACS participation and installation access privileges. Under the NCACS program, no commercial vehicle inspection is required, other than for Random Anti-Terrorism Measures (RAM) or in the case of an elevation of Force Protection Conditions (FPCON). Information on costs and requirements to participate and enroll in NCACS is available at http://www.rapidgate.com/vendors/how-to-enroll or by calling 1-877-727-4342.
2.8.4.2	One-Day Passes	Participation in the NCACS is not mandatory, and if the Contractor chooses to not participate, the Contractor's personnel will have to obtain daily passes, be subject to daily mandatory vehicle inspection, and will have limited access to the installation. The Government will not be responsible for any cost or lost time associated with obtaining daily passes or added vehicle inspections incurred by non-participants in the NCACS.
2.8.5	Access to Buildings	The Contractor shall monitor and control access into restricted areas under their responsibility, allowing only those individuals who have been properly cleared into restricted areas or other controlled access areas. The Contractor shall comply with security requirements, plus those imposed by the installation Commander at all times. Personnel with access to special areas will have the appropriate screening and/or security clearance, and personnel requiring routine access to restricted areas will wear special badges authorizing access for those areas. Contractor personnel shall not enter restricted or controlled areas or installation facilities unless specifically authorized in performance of their duties. The Contractor shall secure all buildings and facilities entered during non-duty hours and will secure all building and facilities under the Contractor's cognizance at the end of each work day or shift period.
2.8.6	Access Arrangements	The Contractor shall make all arrangements through the appropriate office necessary to obtain access to buildings, facilities and other work areas, and when necessary, arrange for them to be opened and closed by the controlling authority. The Government may issue keys to the Contractor. The Contractor shall use due diligence and be responsible for compromised security systems to include replacement costs that result from its action or inaction.
2.8.6.1	Escort Arrangement for	The Contractor shall make arrangements for Government escort into secured areas requiring escort. The KO will provide information on applicable

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	Secured Areas	buildings, spaces and the appropriate point of contact. The Contractor may experience delays while waiting for escorts. The Contractor shall notify the Facility Manager, Government Performance Assessment Representative (PAR) and appropriate point of contact if an escort is not available and access to accomplish the work is denied. Unscheduled requirements, e.g., service orders, may require a longer wait for an escort.
2.8.7	Employee Status	The Contractor shall notify the KO of any changes to any employee's status to include, but not limited to, termination, convictions/arrests, adverse actions taken on the job for any reason or any other documented misbehavior that may affect, or have the potential to affect, security standing in terms of access to federal facilities or IT systems.
2.8.8	Access to Navy Marine Corp Intranet (NMCI)	The Contractor may be required to access Navy Marine Corp Intranet (NMCI). Prior to being granted access to NMCI, Contractor employees shall obtain a CAC in accordance with security requirements, successfully complete required training, submit a Systems Authorization Access Request (SAAR) Form, and meet all eligibility requirements.
2.9	Contractor Safety Program	The Contractor shall develop and implement a Safety Program detailing how the Contractor plans, staffs, performs, and controls all safety practices while delivering best value services to the Government without any accidents or mishaps. The Contractor's safety program shall comply with all safety standards identified in the U.S. Army Corps of Engineers Safety and Health Requirements Manual, EM 385-1-1 and Public Law 91-596, Occupational Safety and Health Act. Any reference to "USACE" facilities, property, or equipment specified in EM 385-1-1 should be interpreted as Government facilities, property, and equipment.
2.9.1	Subcontractor Safety Requirements	Neither Contractor nor any subcontractor shall enter into contract with any subcontractor who fails to meet the following requirements. The term subcontractor in the following paragraphs shall mean all subcontractors on the project, whether in contract with the Contractor or any subcontractor.
2.9.1.1	Experience Modification Rate (EMR)	No subcontractor on the project shall have an effective EMR greater than 1.10 when entering into a subcontract agreement with the prime contractor or a subcontractor at any tier as computed by the National Council on Compensation Insurance (NCCI) or if not available, as computed by the state agency's rating bureau in the state where the subcontractor is registered. Prime Contractor may submit a written request for additional consideration to the Contracting Officer where the specified acceptable EMR range cannot be achieved for a particular subcontractor whose performance is uniquely critical to the project. Relaxation of the EMR range shall only be considered and/or granted on a case-by-case basis for special conditions and shall not be anticipated as tacit approval. Contractor's Site Safety and Health Officer (SSHO) shall collect and maintain certified EMR ratings for ALL subcontractors on the project and shall make them available to the Government at the Government's request.
2.9.1.2	OSHA Days Away From Work, Restricted Duty, or Job	No subcontractor on the project shall have a DART rate calculated from the most recent, complete calendar year greater than 3.0 when entering into a subcontract agreement with the prime contractor or a subcontractor at any tier. The OSHA Dart Rate is calculated using the following formula: $(N/EH) \times 200,000$

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	Transfer(DART) Rate	<p>where:</p> <p>N = number of injuries and/or illnesses with days away, restricted work, or job transfer</p> <p>EH = total hours worked by all employees during most recent, complete calendar year</p> <p>200,000 = base for 100 full-time equivalent workers (working 40 hours per week, 50 weeks per year)</p> <p>Prime Contractor may submit a written request for additional consideration to the Contracting Officer where the specified acceptable OSHA Dart rate range cannot be achieved for a particular subcontractor whose performance is uniquely critical to performance. Relaxation of the OSHA DART rate range shall only be considered and/or granted on a case-by-case basis for special conditions and shall not be anticipated as tacit approval. Contractor's Site Safety and Health Officer (SSHO) shall collect and maintain self-certified OSHA DART rates for ALL subcontractors on the project and shall make them available to the Government at the Government's request.</p>
2.9.2	Accident Prevention Plan (APP)	<p>The Contractor shall develop and implement a site Accident Prevention Plan (APP). The APP shall be prepared by the Contractor's SSHO and shall be followed by all Contractor employees, subcontractors, and vendors at each service site.</p> <p>The APP shall follow the format and include all elements addressed in Appendix A of EM 385-1-1. The APP shall incorporate Activity Hazard Analyses (AHAs) and compliance plans addressing all applicable Safety and Occupational Health (SOH) risks that are relevant to the site specific hazards and controls for each activity and type of work that may be encountered in the performance of this contract.</p> <p>The Contractor shall submit an APP for acceptance per Section F. The Contractor shall review, update, and submit revisions to the APP whenever a change in work conditions, hazards, or activities occur. Submittal of the APP shall include Activity Hazard Analyses (AHAs) and applicable compliance plans, programs, and procedures as specified below.</p> <p>The Contractor shall not commence work until the APP has been accepted and no activity shall be started on site until the applicable AHAs and compliance plans have been accepted.</p> <p>Once accepted by the Contracting Officer, the APP and attachments will be enforced as part of the contract. Disregarding the provisions of this contract or the accepted APP will be cause for stopping of work, at the discretion of the Contracting Officer, until the matter has been rectified.</p>
2.9.3	Activity Hazard Analysis (AHA)	<p>The Contractor shall prepare Activity Hazard Analyses (AHAs) for all applicable common Recurring Work activities performed under this contract. AHAs for Recurring Work shall be submitted with the APP and shall be updated as work activities or conditions change and additional AHAs prepared as new work activities are required. AHAs for non-recurring and one-time (e.g., Non-Recurring Work task orders) work occurrences shall be submitted at least two working days prior to start of work. Specifically:</p> <ul style="list-style-type: none"> • For contract modifications to Recurring Work requirements where changes are germane to the original contract, the Contractor shall revise applicable AHAs within 15 calendar days after modification is signed.

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		<ul style="list-style-type: none"> • For contracts with Non-Recurring Work ELINs, the Contractor shall submit an AHA on Non-Recurring Work task orders, with the associated proposal, whenever the service environment or required task is different from the Recurring Work priced services. • For construction (including renovation or alteration) task orders placed on the Non-Recurring Work portion of contract, the Contractor shall submit a separate AHA for each task order with the associated proposal. <p>The Contractor shall follow the Risk Management Process for the development of Activity Hazard Analysis (AHA) in accordance with paragraph 01.A.14 and Appendix A of EM 385-1-1. A formatted outline of an AHA is provided in Figure 1-2 of EM 385-1-1.</p> <p>During performance of services, the SSHO shall periodically review the AHA at each service site and for each sub-annex to assess the effectiveness of the Contractor's overall APP. If changes to the AHAs are required, such changes shall be submitted to the KO for review and acceptance.</p>
2.9.4	Safety and Occupational Health (SOH) Risks and Compliance Plans	<p>Based on a risk assessment of recurring and Non-Recurring Work requirements and on mandatory OSHA compliance programs, the Contractor shall develop, provide and implement all applicable compliance plans, as necessary for the situation or types of work to be performed under this contract. Compliance plans, programs, and procedures along with their respective references are detailed in Appendix A, paragraph 3.i of EM 385-1-1.</p> <p>These plans shall be submitted with the APP and shall be updated as situations change. Additional compliance plans, programs, and procedures shall be developed as applicable when new types of work are required under this contract.</p> <p><u>Additional requirements for specific compliance plans are provided below.</u></p>
2.9.4.1	Alcohol and Drug Abuse Prevention Plan	The Contractor shall develop an alcohol and drug abuse prevention plan to explain how it will satisfy the drug-free work force requirement as stated in DFARS Clause 252.223-7004 and include elements addressed in EM 385-1-1.
2.9.4.2	Chemical Hazard Communication Program	The Contractor shall develop a project-specific chemical hazard communication program to include elements addressed in EM 385-1-1 and applicable OSHA requirements in 29 Code of Federal Regulations (CFR) 1910.120 and 29 CFR 1926.59.
2.9.4.3	Confined Space Program	The Contractor shall develop an activity/site-specific confined space program to include elements addressed in EM 385-1-1 and comply with relevant requirements in 29 CFR 1910, 29 CFR 1915, and 29 CFR 1926, OSHA Directive CPL 2.100 and any other Federal, state and local regulatory standards.
2.9.4.4	Critical Lift Plan	<p>The Contractor shall develop a critical lift plan to explain how it will conduct lifts for any of the following conditions:</p> <ol style="list-style-type: none"> 1) Lifts over 75 percent of the capacity of the crane or hoist (or lifts over 50 percent of the capacity of a barge mounted mobile crane's hoists) at any radius of lift 2) Lifts involving more than one crane , hoist, or LHE 3) Lifts of personnel 4) Lifts involving non-routine rigging or operation, sensitive equipment, or

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		<p>unusual safety risks</p> <p>5) Lifts involving hazardous materials (e.g., explosives, highly volatile substances)</p> <p>6) Lifts where the center of gravity could change</p> <p>7) Lifts without the use of outriggers using rubber tire load charts</p> <p>8) Lifts using more than one hoist on the same crane, hoist, or LHE</p> <p>9) Lifts involving Multiple Lift Rigging (MLR) Assemblies or other non-routine or technically difficult rigging arrangements</p> <p>10) Lifts involving submerged loads. Exception: lifts that were engineered to travel in guided slots throughout the lift and have fixed rigging and/or lifting beams, i.e., intake gates, tailgates/logs)</p> <p>11) Lifts out of the operator’s view. (Exception: if hand signals used by a signal person in view of the operator or radio communications are available and in use, load does not exceed two tons AND is determined a routine lift by the lift super.)</p> <p>The critical lift plan shall include elements addressed in EM 385-1-1, NAVFAC P-307, and comply with requirements in ASME B30.22, ASME B30.3; ASME B30.5, and ASME B30.8.</p> <p>The Contractor shall complete and maintain a copy of the Crane Operating Checklist For Critical Lifts, provided within the Forms in J-0200000-05, for each lift.</p>
2.9.4.5	Fall Prevention and Protection Plan	<p>The Contractor shall develop a site specific fall prevention and protection plan to protect and prevent its service workers from falling from heights of 1.8m (6 feet) or more. This plan shall include elements addressed in EM 385-1-1 and ANSI A10.32, ANSI Z359.1, and ANSI/ASSE A10.34. The fall prevention and protection plan shall include a Rescue and Evacuation Plan in accordance with EM 385-1-1. A competent person for fall protection shall prepare and sign the plan.</p>
2.9.5	Crane Operations	<p>All operations of Cranes, Multi-Purpose Machines and Material Handling Equipment shall comply with EM 385-1-1, NAVFAC P-307, 29 CFR Part 1910, and 29 CFR Part 1926.</p> <p>The Contractor shall comply with NAVFAC P-307 and notify the Contracting Officer at least 24 hours prior to bringing any crane (including delivery vehicles with crane boom attachments), multi-purpose machines, material handling equipment, or construction equipment that may be used in a crane-like application to lift suspended loads on board a Navy Installation. Written documentation of the last weight test of the crane and all related weight handling equipment shall be maintained on site.</p> <p>A joint verification with the Government representative must be performed to ensure that a legible and indelible completed copy of Appendix P, Figure P-1 of NAVFAC P-307 is maintained on the crane, multi-purpose machine, and material handling equipment or construction equipment used in a crane-like application to lift suspended loads. The following certification and testing documentation shall be on site prior to entry and use on any Navy Installation:</p> <p>1) Crane, multi-purpose machine, material handling equipment or construction equipment used in a crane-like application to lift suspended load certification</p> <p>2) Load testing</p>

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		3) Yearly, monthly and daily inspection logs 4) Rope/sling certifications 5) Operator certifications/designations 6) Designation of person performing log inspections 7) Cranes that are permanently located on a Navy Installation shall have a quarterly joint verification.
2.9.5.1	Crane Inspections	<p>The Contractor shall ensure all inspections are performed in accordance with EM 385-1-1, NAVFAC P-307, 29 CFR Part 1910, and 29 CFR Part 1926 (daily, monthly, quarterly, yearly), and retain the current documentation of inspections. Documents shall be kept on site.</p> <p>Daily pre-use inspections and testing shall be performed on all load hoisting and lowering mechanisms, boom hoisting and lowering mechanisms, swinging mechanisms, travel mechanisms (if to be used that day), and safety devices. Cranes that have to be re-rated shall be in accordance with SAE Recommended Practices, Crane Load Stability Test Code J765 and documentation maintained on site. The Contractor shall have an operational anti-two block device or a two-block damage prevention feature for all points of two blocking and a boom hoist disconnect shutoff or hydraulic relief to automatically stop the boom hoist when the boom reaches a predetermined high angle.</p>
2.9.5.2	Rigging Gear	<p>The Contractor shall ensure rigging gear and below the hook lifting devices and personnel comply with the following requirements:</p> <ol style="list-style-type: none"> 1) Personnel performing rigging shall have an understanding of all signs, notices, and operating instructions, and be familiar with the applicable hand signals prescribed by the ASME B30 standard for the type of crane in use. 2) Personnel performing rigging shall be familiar with the rigging requirements in EM 385-1-1, NAVFAC P-307, 29 CFR Part 1910, and 29 CFR Part 1926. 3) The Contractor shall inspect rigging gear in accordance with EM 385-1-1, NAVFAC P-307, 29 CFR Part 1910, and 29 CFR Part 1926 and NAVFAC P-307. Certification records shall be made available for review upon request.
2.9.5.3	Crane Operators	<p>Crane operators shall meet the personnel qualifications requirements in EM 385-1-1 and NAVFAC P-307. For mobile cranes with Original Equipment Manufacturer (OEM) rated capacities of 2,000 pounds or greater, designate crane operators as qualified by a source that qualifies crane operators (i.e., union, a government agency, or an organization that tests and qualifies crane operators).</p>
2.9.6	Accident and Damage Reporting	<p>The Contractor shall notify the Contracting Officer as soon as practical, but no more than four hours after any accident meeting the definition of Recordable Injuries or Illnesses or High Visibility Accidents, property damage equal to or greater than \$2,000, or any Weight Handling Equipment (WHE) accident. Notification shall also be provided for any mishap occurring in any of the following high hazard areas: electrical (to include Arc Flash, electrical shock, etc.); uncontrolled release of hazardous energy (includes electrical and non-electrical); weight or load handling equipment (LHE) or rigging; fall-from-height (any level other than same surface); and underwater diving. These mishaps shall be investigated in depth to identify all causes and to recommend hazard control measures.</p> <p>Within notification include Contractor name; contract title; type of contract; name of activity, installation or location where accident occurred; date and</p>

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		<p>time of accident; names of personnel injured; extent of property damage, if any; extent of injury, if known, and brief description of accident (to include type of equipment used, PPE used, etc.). Preserve the conditions and evidence on the accident site until the Government investigation team arrives on-site and Government investigation is conducted.</p> <p>The Contractor shall conduct an accident investigation for recordable injuries and illnesses, for accidents requiring Medical Treatment, property damage accidents resulting in at least \$20,000 in damages, and near misses as defined in EM 385-1-1, to establish the root cause(s) of the accident. The Contractor shall complete the applicable NAVFAC Contractor Incident Reporting System (CIRS), and electronically submit via the NAVFAC Enterprise Safety Applications Management System (ESAMS) per Section F.</p> <p>For any weight handling equipment accident (including rigging gear accidents) the Contractor shall conduct an accident investigation to establish the root cause(s) of the accident and comply with additional requirements and procedures for accidents in accordance with NAVFAC P-307. The Contractor shall submit a WHE Accident Report (Crane and Rigging Gear) per Section F. No crane operations are allowed to proceed until cause is determined and corrective actions have been implemented to the satisfaction of the Contracting Officer.</p> <p>For a near miss, the Contractor shall complete the applicable documentation in NAVFAC Contractor Incident Reporting System (CIRS), and electronically submit via the NAVFAC Enterprise Safety Applications Management System (ESAMS) per Section F.</p> <p>For a near miss involving crane or rigging operations, the Contractor shall report verbally to the Contracting Officer as soon as management becomes aware but not later than 4 hours of such event and comply with additional requirements and procedures for near-misses in accordance with NAVFAC P-307. A near miss occurs when an accident was avoided by mere chance or when intervention prevented an ongoing sequence of events that would have resulted in an accident (e.g. unplanned encroachment, improper crane set-up, improperly rigged load, etc.). The Contractor shall submit a Crane and Rigging Gear Near Miss Report per Section F.</p>
2.9.6.1	Accident Reporting and Notification Criteria	<p>The following criteria and definitions apply to the accident reporting requirements specified above:</p> <p>Recordable Injuries or Illnesses. Any work-related injury or illness that results in:</p> <ol style="list-style-type: none"> 1) Death, regardless of the time between the injury and death, or the length of the illness; 2) Days away from work (any time lost after day of injury/illness onset); 3) Restricted work; 4) Transfer to another job; 5) Medical treatment beyond first aid; 6) Loss of consciousness; or 7) A significant injury or illness diagnosed by a physician or other licensed health care professional, even if it did not result in (1) through (6) above.

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		<p>High Visibility Accident. Any mishap which may generate publicity or high visibility.</p> <p>Medical Treatment. Treatment administered by a physician or by registered professional personnel under the standing orders of a physician. Medical treatment does not include first aid treatment even through provided by a physician or registered personnel.</p> <p>WHE Accident. A WHE accident occurs when any one or more of the eight elements in the operating envelope fails to perform correctly during operation, including operation during maintenance or testing resulting in personnel injury or death; material or equipment damage; dropped load; derailment; two-blocking; overload; or collision, including unplanned contact between the load, crane, or other objects. A dropped load, derailment, two-blocking, overload and collision are considered accidents, even though no material damage or injury occurs. A component failure (e.g., motor burnout, gear tooth failure, bearing failure) is not considered an accident solely due to material or equipment damage unless the component failure results in damage to other components (e.g., dropped boom, dropped load, roll over, etc.)</p>
2.9.7	Fire Protection	The Contractor shall know where fire alarms are located and how to activate them. The Contractor shall handle and store all combustible supplies, materials, waste and trash in a manner that prevents fire or hazards to persons, facilities, and materials. Contractor employees operating critical equipment shall be trained to properly respond during a fire alarm or fire in accordance with activity instructions. Fire Marshall noted deficiencies shall be corrected on a priority basis.
2.9.8	Monthly On-Site Labor Report	The Contractor shall submit a Monthly On-Site Labor Report per Section F. This report is a compilation of employee-hours worked each month for all site workers, both prime and subcontractor.
2.9.9	OSHA Citations and Violations	The Contractor shall correct violations and citations promptly and provide a copy of each OSHA citation and OSHA report with written OSHA Citations and Violations Corrective Action Report per Section F.
2.9.10	Safety Inspections and Monitoring	<p>The Contractor shall conduct inspections of its work areas, job sites, and work crews every day work is being performed to ensure that all Contractor operations are being conducted safely. These inspections shall ensure: The site is safe and free of job-site hazards</p> <ul style="list-style-type: none"> • Proper PPE is being utilized and worn. • Safe work practices and processes are being followed. • Workers are familiar with the hazards covered in the respective AHA for that work activity. • All equipment and tools are in good condition and being used safely. <p>The Government reserves the right to inspect and monitor Contractor operations for safety compliance. In general, the Government approach will be to conduct Performance Assessment on the quality and effectiveness of the Contractor's safety program. The Government reserves the right to stop any work activity when it deems danger is imminent. Contractor personnel shall work in a safe manner and comply with all applicable safety regulations. The Contractor shall be subject to safety inspections of its work sites by the Government. Contractor safety records shall be available to the KO upon request.</p>

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		Whenever the KO becomes aware of any safety noncompliance or any condition which poses a serious or imminent danger or hazard to the health or safety of the public or Government Personnel, the KO will notify the Contractor orally, with written confirmation, and request immediate corrective action. This notice, when delivered to the Contractor's representative or SSHO, shall be deemed sufficient notice of noncompliance and that corrective action is required. After receiving this notice, the Contractor shall immediately take corrective action. If the Contractor fails, delays, or refuses to promptly take corrective action, the KO may issue a stop work order for all or part of the services or work until satisfactory corrective action has been taken. Whenever such a stop work order has been issued, the Contractor shall waive all equitable adjustments to the contract related to the stop work ordered issued. The Contractor shall include this requirement in all of its subcontracts and vendor contracts in support of contract safety.
2.9.11	Safety Certification	The Contractor shall submit copies of all the required Federal, state, county, city and industry Safety Certifications for work performed under this contract per Section F. These certifications shall be kept up to date by the Contractor. The Contractor shall submit new versions of certifications as the old certifications expire. No work, that requires a certification, shall start without a valid and approved certification.
2.9.12	Safety Apparel on Jobsites	The Contractor personnel shall wear appropriate high-visibility safety apparel (garment, vest, or harness of retro-reflective and fluorescent material) meeting ANSI/ISEA 107-2010 requirements. Appropriate garment shall be based on the worker hazards and tasks, complexity of the work environment or background, and vehicular traffic and speed. As a minimum, the Contractor personnel shall wear ANSI/ISEA 107-2010 Class I compliant apparel.
2.9.13	Emergency Medical Treatment	Contractors will arrange for their own emergency medical treatment. The Government has no responsibility to provide emergency medical treatment.
2.9.14	Emergency Eyewashes and Showers	The Contractor shall ensure emergency eyewashes and showers are activated weekly and certified per ANSI Z358.1.
2.10	Environmental Management and Sustainability	<p>The Contractor shall perform work under this contract consistent with the following Environmental Management System (EMS) goals and policy.</p> <p>Goals:</p> <ul style="list-style-type: none"> • Reduce purchase and use of toxic and hazardous materials; • Expand purchase of green products and services; increase recycling; • Reduce energy and water use; • Increase use of alternative fuels and renewable energy; • Integrate green building concepts in major renovations and new construction; • Prevent pollution at the source; and • Continual improvement. <p>Policy:</p> <ul style="list-style-type: none"> • Protect public health and the environment by being an environmentally responsible member of the community; • Preserve our natural, historic and cultural resources; • Conserve natural resources by reducing what we discard, reusing items, and recycling materials, which includes purchasing products

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		<p>made from recycled materials;</p> <ul style="list-style-type: none"> • Integrate sound environmental practices into all our operations and business decisions; Integrate environmental protection requirements and pollution prevention initiatives into the early planning, design and procurement of facilities, equipment and material, as well as the planning and implementation of military training activities; • Prevent or minimize pollution at its source as we seek out ways to eliminate or further minimize use of hazardous materials and generation of hazardous waste; • Maintain a sound partnership with regulatory agencies to sustain our compliance with existing and new environmental laws and regulations; • Enhance our program as we develop and implement an Environmental Management System; and • Adhere to this policy, remind one another to do so, and ensure that our entire community knows this is our policy by our actions as well as our words. <p>The Contractor shall maintain monitoring and measurement information to address the EMS goals and policy and provide the EMS Goals and Policy Measurement Information to the KO when requested. In the event an EMS nonconformance or environmental noncompliance associated with the contracted services, tasks, or actions occurs, the Contractor shall take corrective and/or preventative actions, assume legal and financial liability for the noncompliance and take corrective action immediately to remedy the noncompliance. The Contractor shall ensure that its employees are aware of their roles and responsibilities under the EMS and how these EMS roles and responsibilities affect work performed under the contract.</p>
2.10.1	Energy Management Program	<p>The Contractor shall comply with the installation's energy management program. .</p> <p>The Contractor shall comply with the Navy Region Southeast Instruction 4101.1 and in accordance with Executive Orders, Acts of Congress and other directives, instructions and regulations. This is to include, but is not limited to, the Energy Policy Act of 2005, Executive Order 13423, Executive Order 13693, Energy Independence and Security Act of 2007, SECNAV Instruction 4100.9 series, and OPNAV Instruction 4100.5 series and NASPCOLAINST 4100.2 series. Use of high energy consuming tools or equipment requires KO approval. The Contractor shall use life-cycle cost analysis in making decisions about investments in products, services, construction and other projects to lower Federal Government's costs and reduce energy consumption. The Contractor shall elect lifecycle cost effective Energy Star and other energy-efficient products when acquiring energy-using products. For product groups where Energy Star labels are not yet available, select products that are in upper 25 percent of energy efficiency as designated by the Federal Energy Management Program. Navy Region Southeast Instruction 4101.1 is provided in J-0200000-12.</p> <p>The Contractor shall attend periodic meetings with the Installation Energy Manager, where energy and water efficiency goals and project status will be discussed to ensure that any Contractor work complements and optimizes efficiency efforts.</p>

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2.10.1.1	Water Conservation Plan	The Contractor shall develop, submit and implement a Water Conservation Plan per Section F.
2.10.1.2	Energy Efficient Products	<p>The Contractor shall use life-cycle cost analysis in making decisions about investments in products, services, construction and other projects to lower Federal Government's costs and reduce energy consumption. The Contractor shall elect lifecycle cost effective Energy Star and other energy-efficient products when acquiring energy-using products. For product groups where Energy Star labels are not yet available, select products that are in upper 25 percent of energy efficiency as designated by the Federal Energy Management Program. Use of high energy consuming tools or equipment is subject to approval by the KO prior to use. When replacing components, the following minimum criteria must be met:</p> <ul style="list-style-type: none"> a. All electric motor replacements shall be NEMA "Premium Efficiency" or better. b. All transformer replacements shall equal or exceed "SPPM-2" or "PM-2" in NAVFAC "Unified Facilities Guide Specifications, Section 261219.10" Transformer Loss Tables, or better. c. All appliances (refrigerators, microwaves, window or wall type AC units, etc.), including vending machines replaced shall be "Energy Star" or better. d. All magnetic fluorescent ballasts in existing "T12" fixtures repaired/replaced shall be replaced with "Electronic" ballasts with "T8" tubes or LEDs. e. All incandescent bulbs replaced shall be compact fluorescent equivalents or LEDs. f. All gas furnaces, boilers and water heaters replaced shall be "condensing (90%+AFUE)". g. All exit signs repaired/replaced shall be with "LED"/battery backup. h. All insulation on pipes or above ceilings disturbed/removed during repairs/replacements shall be replaced. i. As technology advances during the life of the contract, the Contractor shall be aware of the advancements and apply them to the above standards.
2.10.2	Environmental Protection	The Contractor shall comply with all applicable Federal, state, and local laws, regulations, and executive orders, and with base-wide instructions, standards, and permit requirements. All environmental protection matters shall be coordinated with the KO. Inspection of any of the facilities operated by the Contractor may be accomplished by the Installation Environmental Protection Coordinator, or authorized officials on a no-notice basis during Government regular working hours. The Contractor shall comply with the instructions of the cognizant Navy Medical Department with respect to avoidance of conditions which create a nuisance or which may be hazardous to the health of military or civilian personnel. The Contractor is responsible for ensuring that its employees receive applicable environmental and occupational health and safety training, and are kept up to date on regulatory required specific training for the type of work to be conducted onsite. All on-site Contractor personnel, and their subcontractor personnel, performing tasks that have the potential to cause a significant environmental impact shall be competent on the basis of appropriate education, training or experience.
2.10.2.1	ODS Requirements for Refrigerant Recycling	The Contractor shall comply with all federal, state and local environmental laws and regulations, and specifically requirements of Sections 608 and 609 of the Clean Air Act Amendments (CAAA) of 1990, 40 Code of Federal Regulation Part 82 (40 CFR 82) and of paragraph 22-3.6 (Management of Ozone-Depleting Substances) of OPNAV M-5090.1 Environmental

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		<p>Readiness Program Manual, and Navy ODS Advisory 96-02 Refrigerant Leak Repair and Record Keeping as pertaining to this contract.</p> <p>Technicians shall be certified through an EPA approved program. Copies of their certifications shall be maintained at the employee’s place of business and carried as a wallet card by the technician. All certificates shall be legible. Certifications shall be for the type of equipment they will be using (Universal Certification is preferred). Contracting Officer (KO) shall be provided a copy of all certificates. Contractor shall use only EPA approved refrigerant recovery equipment. A list of equipment including name of manufacturer, model number, serial number, date manufactured and a list of names of EPA Certified Technicians shall be provided at start of contract and whenever requested by KO.</p> <p>Recordkeeping shall document and demonstrate contractor compliance with regulatory and Navy requirements cited in Item 1 above. A government ODS Tracking and Inventory System (OTIS) database will be provided for contractor use. Contractor may choose to use a commercially available ODS recordkeeping and tracking software if it provides similar recordkeeping and is deemed acceptable to the KO. Other methods of maintaining and tracking ODS recordkeeping requirements and compliance demonstration may be presented for consideration in lieu of using one of the above cited software if it meets regulatory recordkeeping requirements and is approved by KO. All records for work on refrigerant equipment shall contain at a minimum, the date, the technician’s name, certification ID, equipment identifier and location, work performed, amount of refrigerant added or removed, and final determination of equipment status.</p> <p>A complete, up to date inventory of refrigerant containing equipment on base shall be maintained at all times. The contractor is responsible for updating all recordkeeping software and for maintaining accurate and up to date refrigerant records. Contractor shall provide the KO with an updated copy of OTIS database or representative software data files quarterly and at conclusion/termination of contract. Contractor’s ODS records shall be readily available for inspection by government and regulators.</p> <p>Records shall be maintained on all refrigerant removal operations performed prior to small appliance or motor vehicle air condition appliance disposal. The recovery date, technician’s name and a statement that all refrigerant and oil that had not previously leaked was removed in accordance with 40 CFR 82 shall be included in the disposal records. A weather resistant label or tag shall be placed on units pending disposal stating harmful refrigerants and oil have been removed from the unit in compliance with Section 608 of the CAA. The label or tag shall provide the company name & address, technician name, phone number, and date refrigerant was removed.</p> <p>Records shall be kept for all maintenance and refrigerant recovery operations/services performed on equipment that normally contains 50 pounds or more refrigerant. Data to be included in records shall include date leak discovered (if applicable), service/repair date, technician’s name, service/repair description, amount of refrigerant recovered prior to servicing/repairing beginning, and amount of refrigerant added (final charge) upon completion of repairs. Leaks are to be repaired whenever identified on</p>

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		<p>refrigerant equipment. Satisfactory leak repair verification tests shall be performed and documented within 30 days of repair. Support documents such as Job Orders, Service Tickets, and Preventive Maintenance Tickets shall be maintained for all units. The base environmental office must be notified immediately if a repair cannot be made within 30 days of discovery of a leak, so notification can be made to the EPA.</p> <p>The Contractor is responsible for performing all leak rate calculations for equipment normally containing 50 lbs or greater of refrigerant per 40 CFR Part 82.166. Leak rate calculations shall be performed every time refrigerant is added to the equipment. OTIS or the other approved recordkeeping system shall be used to calculate leak rates. The base environmental office shall be notified if the leak rate for a piece of equipment ever exceeds 15% for a 12 month period.</p> <p>Records detailing accidental venting of ODS are maintained; these records shall include as a minimum the date, type, location, amount vented, and reason for venting.</p> <p>Records detailing the type and amount of refrigerant purchases shall be kept.</p> <p>Excess class I (R-11, 12, 113, 114, 500, 502) and class II ODS shall be returned to the Defense Logistics Agency (DLA), in accordance with Department of Defense (DoD) Ozone Depleting Substances (ODS) Turn-in Procedures. Contact DLA for the latest turn-in procedures. As per above procedure, all reclaimed class I and II refrigerants cited above shall be stored in approved DLA containers, made for the intended purpose and transported by the Contractor to the Defense Logistics Agency (DLA) as instructed in the procedure.</p> <p>Once the contractor has delivered the refrigerant to DLA in Richmond, contractor shall provide to the Contracting Officer (KO) a shipping document stating the amount and type of refrigerant received by DLA. This document shall contain the date and time received, name, phone number, and signature of the person who received the refrigerant.</p> <p style="text-align: center;">DLA Richmond Address is: Defense Depot Richmond Va. (DDVA) SW0400 Cylinder Operations 8000 Jefferson Davis Highway Richmond, Virginia 23297-5000</p> <p>All refrigerant shall be turned into DLA or returned to the government. Under no circumstances shall any refrigerant be turned over to a contractor as payment or for disposal. All refrigerant is a Navy Commodity that must be returned to the government.</p> <p>All records maintained for refrigerant use shall be turned over to the government whenever requested, and to the KO per all requirements stipulated in this section.</p> <p>The Contractor shall provide a monthly ODS report for each base that complies with OPNAVINST 5090.1 Series.</p>

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		The Contractor shall provide a monthly refrigerant tracking report for the PNRC indicating the amount of refrigerant used and where it was used.
2.10.2.2	Non-Hazardous Waste Disposal	<p>The Contractor shall dispose all wastes in accordance with all applicable Federal, state, and local laws, regulations, and executive orders, and with base-wide instructions, standards, and permit requirements.</p> <p>All non-hazardous, non-regulated debris and rubbish resulting from the work under this shall be disposed of at appropriate off installation waste handling facilities.</p> <p>All regulated, non-hazardous waste shall be disposed of in accordance with all applicable Federal, state, and local laws, regulations, and with base-wide instructions.</p>
2.10.2.3	Hazardous Waste Disposal	The Contractor shall dispose of all hazardous waste in accordance with the Resource Conservation and Recovery Act and all other applicable Federal, state and local laws and regulations. Hazardous waste shall be disposed of through the DLA service provider.
2.10.2.4	Spill Prevention, Containment, and Clean-up	<p>The Contractor shall identify, clean-up and control contractor caused hazardous substance spills according to the regulations set forth by all applicable Federal, State, and local regulatory agencies, NAS Pensacola Hazardous Waste Management Plans, Spill Prevention, Control, and Countermeasure Plans, and Facility Response Plans.</p> <p>The Contractor shall report all fuel and hazardous substance spills on NAS Pensacola within 15 minutes of discovery to the station's Fire Department by dialing 911 from a station landline. If calling from a device not connected to a station landline, notify the emergency dispatcher you are calling from NAS Pensacola. The Contractor shall notify the KO as soon as possible, but not more than 24 hours after spill discovery. A spill report shall be submitted within 48 hours per Section F.</p>
2.10.2.5	Hazardous Material Management	<p>The Contractor shall support the Consolidated Hazardous Material Reutilization and Inventory Management Program (CHRIMP).</p> <p>The Contractor shall submit a Contractor Hazardous Material Inventory Log per Section F.</p> <p>The Contractor shall receive approval from the KO prior to bringing hazardous material on Government Property or prior to any other use in conjunction with this contract. For approval to use any hazardous material, allow a minimum of 10 working days for processing the request. The Contractor shall post Safety Data Sheets (SDS) at the worksite where the products are being used. Should the Government determine that a chemical the Contractor will use needs to be tracked, the Government may direct the Contractor to submit additional information in order to fulfill reporting requirements.</p> <p>The Contractor shall ensure that procedures are in place to deal with hazardous materials, pursuant to the FAR Clause 52.223-3, HAZARDOUS MATERIAL IDENTIFICATION AND MATERIAL SAFETY DATA. These provisions are included in 29 CFR 1910.1200 and OPNAV INST 4110.2, and can be viewed at the installation Safety Office.</p> <p>Notwithstanding any other hazardous material used in this contract,</p>

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		radioactive materials or instruments capable of producing ionizing/non-ionizing radiation (with the exception of radioactive material and devices used in accordance with EM 385-1-1 such as nuclear density meters for compaction testing and laboratory equipment with radioactive sources) as well as materials which contain asbestos, mercury or polychlorinated biphenyls, di-isocyanates, lead-based paint are prohibited. The Contracting Officer, upon written request by the Contractor, may consider exceptions to the use of any of the above excluded materials. Low mercury lamps used within fluorescent lighting fixtures are allowed as an exception without further Contracting Officer approval. Notify the Radiation Safety Officer (RSO) prior to excepted items of radioactive material and devices being brought on base.
2.10.2.6	Protection of Endangered and Threatened Species (Flora and Fauna)	The Contractor shall not disturb endangered and threatened species and their habitat. The Contractor shall carefully protect in-place and report immediately to the KO endangered and threatened species discovered in the course of work. The Contractor shall stop work in the immediate area of the discovery until directed by the KO to resume work.
2.10.2.7	Noise Control	The Contractor shall comply with all applicable Federal, state and local laws, ordinances, and regulations relative to noise control.
2.10.2.8	Salvage	All material and equipment removed or disconnected that is sound and of value shall remain the property of the Government. The Contractor shall deliver this material and equipment at the Contractor's expense as directed by the KO.
2.10.2.9	Asbestos Containing Material (ACM)	Asbestos containing insulation, flooring, and other building materials may be encountered by the Contractor during the performance of work under this contract, and the Contractor shall remain alert to this possibility. If ACM is encountered or suspected in the performance of work, the Contractor shall avoid removing, sanding, abrading, or disturbing the material. The Contractor shall verbally notify the KO within one hour and follow-up with written ACM Notification within 24 hours.
2.10.2.10	Lead and Other Hazardous or Regulated Materials	The Contractor may encounter lead, mold, and other hazardous or regulated materials during the performance of this contract. If any materials suspected to be hazardous or regulated are encountered during performance of the contract, the Contractor shall employ all appropriate material handling procedures and comply with all federal, state, and local statutes, regulations, and procedures.
2.10.2.10	Protection of Cultural Resources	Buildings, facilities, and sites designated as historical sites shall be maintained in accordance with Federal, state, and local historical policies and regulations. The Contractor shall coordinate and obtain any permits or archeological services needed to perform the work. The Contractor is required to be familiar with all laws and regulations that govern work on historically significant buildings and within archeological sites. Dig permits are required before starting mechanical or hand excavation. The dig permit process is designed to define the manner in which excavations are conducted to ensure that adverse effects on historic properties are avoided, minimized, or mitigated. In the performance of work under this contract, materials which may qualify as a cultural (historical/archaeological) resource may be inadvertently discovered in the land and water areas. Upon discovery of any archeological resource, the work shall be stopped at the discovery site pursuant to FAR Clause 52.242-14 Suspension of Work, the ACO shall be notified immediately, and the discovery site shall be isolated and protected as directed. The Contractor is permitted to continue excavation in other portions

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		of the project area barring the discovery of additional archeological resources.
2.10.3	Sustainable Procurement and Practices	<p>The Contractor shall develop, submit, and implement a Sustainable Procurement and Practices Plan per Section F. This plan shall identify how the Contractor will comply with all applicable Federal, state and local laws and regulation, including E.O. 13423, E.O. 13514, Installation Energy Management Program and Water Conservation Programs and energy reduction requirements. The plan shall specifically address the following components:</p> <ul style="list-style-type: none"> • Recycled Contents Products • Energy/Water efficiency • Energy Efficient Tools and Equipment • Alternate Fuels and Alternate Fuel Vehicles • Biobased Products • Non-Ozone Depleting Products • Environmental Preferred Products and Services • Low/Non-Toxic and Hazardous Materials <p>The Contractor shall submit an annual Sustainable Delivery of Services Report per Section F.</p>
2.10.3.1	Environmentally Preferable Products	The Contractor shall procure and use products that are energy-efficient (Energy Star or Federal Energy Management Program (FEMP)-designated), water efficient, bio-based, environmentally preferable (<i>e.g.</i> , Electronic Product Environmental Assessment Tool (EPEAT)-registered), non-ozone depleting, contain recycled content, or are non-toxic or less toxic alternatives, where such products and services meet performance requirements.
2.10.3.2	Use of Recovered Materials	<p>The Government has an affirmative procurement program to promote the purchase of products containing recovered materials. The intent is to reduce the solid waste stream and conserve natural resources by establishing markets for recycled content products and encouraging manufacturers to produce quality products containing recovered materials. Participate in this program by using, for Environmental Protection Agency (EPA) designated items, recovered materials to the maximum extent practicable without jeopardizing the intended end use of the item. The percentage of recovered materials content levels for use in the performance of this contract will be, at a minimum, the amount recommended in the EPA Comprehensive Procurement Guideline (CPG) Product Index website http://www.epa.gov/epawaste/consERVE/tools/cpg/index.htm</p> <p>Use of EPA designated products is not required for products that are either not available within a reasonable period of time, are not available at a reasonable price, are not available from a sufficient number of sources to maintain a satisfactory level of competition, or fail to meet performance standards based on technical verification. EPA designation of products is an on-going process. Listings of EPA designated products containing recovered materials are found in 40 CFR 247. Make recommendation and submit Recovered Material Certification, per Section F, when a product containing recovered materials is equal to or better than the original and could be used for this contract. All changes of products must be accepted by the KO before it is used.</p>
2.10.3.3	Use of Biobased Products	The Contractor shall make maximum use of biobased products in accordance with the FAR Clause 52.223-2 -- AFFIRMATIVE PROCUREMENT OF BIOBASED PRODUCTS UNDER SERVICE AND CONSTRUCTION

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		<p>CONTRACTS. Information about these products is available at http://www.usda.gov/biopreferred.</p>
2.11	Disaster Preparedness	<p>The Contractor shall comply with the installation's Contingency Instruction. The Contractor shall support the installation contingency response plan as directed by the KO. The contractor shall submit a disaster preparedness plan that complies with the requirements of the NASP emergency management program per section F.</p> <p>The Contractor shall attend periodic meetings where disaster preparedness will be discussed to ensure that any Contractor work complements and optimizes efforts.</p> <p>The Contractor shall maintain a current List of mission critical/mission essential personnel and submit per Section F.</p>
2.12	Technical Library	<p>Existing technical library contents, including facility drawings, operation & maintenance manuals, warranties, Government publications, record drawings and other appropriate material, will be furnished by the Government.</p> <p>The Contractor shall continually update library material to ensure all data is current, complete, accurate and suitable for intended use. The Contractor shall monitor the use of the libraries to ensure materials are returned and data integrity is not compromised. The Contractor shall maintain the libraries until completion or termination of the contract and make the libraries available for use and inspection by the government and by prospective offerors for successive contracts. The technical library contents are the property of the Government and shall be turned over to the KO upon completion or termination of the contract. The Contractor shall submit a copy of their technical library table of contents per Section F.</p>
2.13	Warranty Management	<p>The Contractor shall act as the Navy's agent in enforcement of all warranty and product recall issues for facilities, equipment, components, and parts serviced or maintained under this contract, and shall maintain warranty-tracking records. Prior to performing repair work, the Contractor shall report to the KO any defect in workmanship, material, or parts, and any improper installation of equipment and components that are covered by a warranty. The Contractor is responsible for knowing which equipment and components are covered by the original warranty and the warranty duration. The KO will provide available warranty documents.</p> <p>The Contractor shall maintain warranty files for Recurring work, Non-recurring work, and equipment installed by other contractors.</p> <ol style="list-style-type: none"> 1) For work performed under this contract, the Contractor is responsible for a one year labor warranty commencing from the date of acceptance of the work. Manufacturer's warranties shall apply to any equipment installed. The contractor shall be responsible for coordinating with manufacturers responsible for the repair or replacement of equipment and materials used to perform work. 2) For all installed or constructed equipment and material (i.e. roofs, HVAC equipment, etc.), the Contractor shall maintain a log of all warranties applicable. The Contracting Officer will furnish the Contractor with the effective dates, names, and addresses of the parties responsible for such warranties. In the event defects in material, workmanship, parts, or improper installation and adjustments are found by the Contractor or the Government, the Contractor shall be responsible for contacting the responsible parties

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		<p>and coordinating all warranty work required. The Contractor shall investigate and/or demonstrate defects of workmanship or equipment to other vendors or Contractors.</p> <p>3) The Contractor shall maintain neat and orderly written records, to include letters, faxes, logged phone calls, etc., of warranty work requested and performed. The Government may request information from these records at any time. The warranty records are the property of the Government and shall be turned over to the KO upon completion or termination of the contract.</p>
2.14	Recurring Work Procedures	
2.14.1	Notification to the Government for Work Above the Recurring Work Limitations	<p>The Contractor is fully responsible for work up to the recurring work limits. Limits of liability for recurring work only include direct labor and/or direct material. Troubleshooting to determine the required repair does not contribute to the recurring work limits of liability. The government will not be responsible for reimbursement of any other associated cost as part of the limit of liability. Recurring Work limits are specified in subsequent annexes or sub-annexes. When work is expected to exceed the Recurring Work limits of liability, the Contractor shall notify the KO and provide a rough order of magnitude (ROM) estimate for the work exceeding the recurring work limits of liability within two hours of identification. The ROM shall include direct labor and material costs for the entire repair, with a clear indication of costs already incurred within the limits of liability. If the recommended fix is replacement, the Contractor shall include an alternative estimate for repairs. The Government may issue a task order in accordance with the non-recurring work portion of the contract detailed below or accomplish the work by means other than this contract.</p> <p>The Contractor shall provide a detailed scope of work and detailed estimate, within two work days of the notification to the KO, per the non-recurring work procedures in Spec Item 2.15 for any potential task orders resulting from work that exceeded a recurring work limit of liability in the contract. The estimate shall include the full scope of work and clearly show the deductions for the applicable recurring work limit of liability. The resultant proposed price shall be for the portion of the work exceeding the recurring work limit of liability. Further, the Contractor shall prepare and provide scopes of work and estimates in this manner to the KO when requesting a determination that a Recurring Work limit of liability has or will be exceeded.</p>
2.14.2	Recurring Work Exhibit Line Item Numbers (ELINs)	Recurring work ELINs are provided in J-0200000-13.
2.15	Non-Recurring Work	Non-recurring work is identified in each applicable annex or sub-annex. Non-recurring work may consist of Unit Priced Task (UPT) work (non-negotiated) and Unit Priced Labor (UPL) work (negotiated). The Contractor shall perform all non-recurring task work as ordered by the KO per Section G and DoD EMALL/FEDMALL requirements in Section H. Non-recurring work will consist of Unit Priced Tasks and Unit Priced Labor work which may be ordered by the Government as separate items or in combinations of items from the non-recurring work Exhibit Line Items (ELINs) provided in Section J on an as needed basis.
2.15.1	Unit Priced	A UPT is defined as a non-recurring work item that includes all direct and

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	Task (UPT) Work (Non-Negotiated)	indirect costs plus profit associated with the particular unit of work. All materials and equipment (rented, leased or Contractor-owned) required for the accomplishment of a UPT shall be included within the respective exhibit line item prices. The fixed price for the task order is determined by multiplying the exhibit line item unit prices by the quantities ordered. The Contractor is not required to submit cost estimates for UPTs.
2.15.1.1	Acceptance and Performance	The Contractor shall possess the capability to accept and perform non-recurring work via an electronic medium with supported commands utilizing their Government Purchase Card (GPC). DoD EMALL is the electronic medium for authorized Government personnel to place orders for service to the Contractor. This will be transitioning to FEDMALL. DoD EMALL is located at www.emall.dla.mil under NAVFAC contract. The Contractor is required to report all non-recurring work quantities ordered via EMALL/FEDMALL per Section F.
2.15.1.2	Invoicing and Receiving Payment	Payment for completed EMALL/FEDMALL orders will be made using the GPC. Reference “payment by third party” clause FAR 52.232-36. The Contractor shall possess the capability to invoice and receive payment for non-recurring work via an electronic medium with supported command representatives utilizing their GPC. No partial or advance payments will be provided.
2.15.2	Unit Priced Labor (UPL) Work (Negotiated)	The Contractor shall perform all UPL work in accordance with the scope and delivery schedule negotiated per each task order. UPL work is defined as non-recurring work that utilizes negotiated labor hours and materials to accomplish a task not required by the recurring work portion of the contract. UPL includes separately priced labor, material, and construction equipment exhibit line items. The Contractor shall prepare and furnish a detailed cost estimate identifying proposed labor, material, and construction equipment costs, which upon approval by the KO, becomes the fixed price for the task order.
2.15.2.1	Non-Recurring Work Preparation of Proposals	The Contractor shall submit a non-recurring work proposal to the KO within two working days following either notification to KO of work exceeding the LoL or receipt of RFP for each potential task order, or within time specified by the KO, which includes: 1) a complete list of all tasks necessary to perform the required scope of work, 2) the number of direct labor hours to perform each task, and 3) the projected quantity and costs of materials and construction equipment to perform the required scope of work
2.15.2.1.1	Labor Requirements	Accepted industry time standards published in R. S. Means cost data, industry organizations, and similar estimating sources shall be used for determining the number of direct labor hours required to complete the scope of work. The total labor cost will be determined by totaling the number of direct labor hours and then multiplying by the UPL amount in the non-recurring work Exhibit Line Items (ELINs) provided in Section J.
2.15.2.1.2	Material and Equipment Requirements	Accepted industry and Government material and equipment costs published in R. S. Means cost data, national material supplier catalogues, U.S. Army Corps of Engineers Construction Equipment Ownership and Operating Expense Schedule (EP 1110-1-8), equipment rental catalogues, and similar estimating sources shall be used for determining customary and reasonable costs for the material and equipment estimate. Projected material requirements shall include a list of materials establishing the size, quality, number of units, and unit prices. Pre-expended bin supplies and materials shall not be included in the list of materials since the cost for these items are to be included in the labor hour unit price. Material prices shall be the lowest

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		price available considering the availability of materials and the time constraints of the job. The direct material price shall include all discounts and rebates for core value and salvage value that accrue to the Contractor and Contractor-furnished warehousing cost. Equipment costs shall include rental and lease costs, ownership costs where Contractor-owned, equipment mobilization, and tools, not priced under the Recurring Work portion of the contract. IF a requirement in the recurring work portion requires specific equipment to perform the work, the contractor may not provide additional costs for the equipment in the non-recurring work portion of the contract.
2.15.2.2	Issuance of Final Task Order	The KO will order unit priced labor by issuing to the Contractor a copy of the approved scope of work and a task order for the work described, in accordance with Section G. Task order completion times will be specified on each task order.
2.15.3	Non-Recurring Work ELINS	Non-recurring work ELINS are provided in J-0200000-13.

Section C – 0600000
Port Operations

0600000 – Port Operations	
Spec Item	Title
1	General Information
2	Management and Administration
2.1	Personnel
2.2	Special Requirements
2.2.1	Severe Weather Action Duties
2.2.2	Security Clearance Requirements
2.2.3	Safety Requirements
2.2.4	Berthing Services Report
2.2.5	NASP Wharf Operations Area
4	Non-recurring Work

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0600000 – Port Operations		
Item	Title	Description
1	General Information	The Contractor shall provide all labor, management, supervision, tools, material, and equipment required to perform services in support of port operations Naval Air Station Pensacola, Florida.

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0600000 – Port Operations		
Spec Item	Title	Description
2	Management and Administration	
2.1	Personnel	The Contractor shall provide personnel with the qualifications, technical knowledge, experience and skills required for efficient operation, maintenance and repair in support of port operation services.
2.2	Special Requirements	
2.2.1	Severe Weather Action Duties	The Contractor shall make their entire workforce, materials, and equipment available for protection of life and property in the event of severe weather, such as, but not limited to, hurricane, tornado, strong winds, flood, or fire. The Contractor shall do such work as directed by the KO and shall keep pertinent records. .
2.2.2	Security Clearance Requirements	The Contractor shall complete and provide all necessary personnel security forms to Security Management prior to being employed and provide other information as required by the NAS Pensacola Security Department.
2.2.3	Safety Requirements	The Contractor shall comply with OPNAVINST 5100.19 Series, Navy Occupation Safety and Health (NAVOSH) Program for Forces Afloat. Contractor personnel must wear the right Personal Protective Equipment (PPE) during performance of work including life jackets, or vest worn while working on barges, catwalk of floating vessels, paint floats or pontoon/causeways, hardhats with work center ID & color coded and acceptable working uniform in designated areas. Steel toe shoes shall be worn at all times within the industrial area of Port Operations.
2.2.4	Berthing Services Report	The Contractor shall report ship and vessel connect and disconnect by utility requests.
2.2.5	NASP Wharf Operations Area	Maps and locations for port operations services are shown in J-0600000-01.

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Port Operations

Annex 0600000 – Port Operations				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
4	Non-recurring Work	Non-recurring work may be ordered utilizing DoD EMALL/FEDMALL in accordance with Section H or on a task order in accordance with the PROCEDURES FOR ISSUING ORDERS clause in Section G. The order will specify the exact locations and types of work to be accomplished. The period of performance will be specified in each order.	Refer to Non-recurring Work ELINs for task listings, descriptions, and related requirements. All periods of performance are measured from issue date of order to acceptance of the work. Performance standards for Non-recurring work will be the same as those in Spec Item 3 where applicable.	

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Facility Management

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Spec Item	Title
1	General Information
1.1	Concept of Operations
2	Management and Administration
2.1	Personnel
2.2	Instructions and Directives
3	Recurring Work
3.1	Provide Data Calls
3.2	Scoping and Estimating Services
3.2.1	Prepare Scoping Estimates
3.2.2	Prepare Executable Job Packages
3.2.3	Prepare Executable Job Packages for IDIQ Contracts
3.2.4	Prepare Executable Job Packages For Non-IDIQ Contracts
3.2.5	Provide Solicitation Support
3.3	Installation Support
3.3.1	Energy and Water Conservation
3.3.2	Maintain Facility Drawings, Maps, and Electronic Databases
3.3.3	Excavation Permits
4	Non-recurring Work

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Facility Management

1501000 – Facility Management		
Spec Item	Title	Description
1	General Information	The Contractor shall provide facility management services in support of the PNR and NHOS. The primary site of work is at NASP.
1.1	Concept of Operations	<p>The intent of 1501000 Facility Management is to specify the requirements for facility management services.</p> <p>Due to the nature of this work, particular care must be shown to ensure no Organization Conflicts of Interests (OCI) occur. The following restrictions apply to the work included in this annex:</p> <ul style="list-style-type: none"> • All parties to this contract are prohibited from bidding/performing (at any tier) any work planned, programmed, scoped, or estimated under this annex, regardless of procurement method. • The contractor shall not evaluate estimates or proposals provided to the Government by any party to this contract, regardless of procurement method.

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Facility Management

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Spec Item	Title	Description
2	Management and Administration	
2.1	Personnel	The Contractor shall provide personnel with the qualifications, technical knowledge, experience and skills required to perform facility management services.
2.2	Instructions and Directives	The products and services provided by the Contractor shall comply with applicable instructions and directives.

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Facility Management

1501000 - Facility Management				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
3	Recurring Work	The Contractor shall provide facilities administrative and management services, scoping and estimating, and acquisition support.	Projected workload data is provided in J-1501000-01.	<p>Facility Management functions are performed in a timely and effective manner and reports are accurate, complete, and timely submitted.</p> <p>Facility planning services are delivered to the government by the government provided due date. Reports are accurate and complete</p>
3.1	Provide Data Calls	The Contractor shall respond to data calls to ensure information is provided in a timely manner in the requested format with appropriate content.	<p>Data call requirements may result from walk-ins, written correspondence, E-mail, and telephone calls. The Government will provide the reporting format and timeframe, if required. The Contractor shall be expected to support various data calls on any subject within the scope of this contract.</p> <p>Projected data call workload is provided in J-1501000-01.</p> <p>Data call reports requiring an E-mail or a minimal written response are submitted within two hours of receipt of the request. Responses requiring significant research and data accumulation and presentation effort are submitted within the Government provided submittal timeframe.</p>	<p>Relevant documentation is accurate and readily accessible. Hard and editable electronic copies of various formats are provided as requested. Electronic files are stored on central accessible locations and filing locations are kept in a neat and orderly fashion.</p> <p>Submittals are credible and accurate.</p> <p>Data calls are timely submitted.</p>
3.2	Scoping and Estimating Services	The Contractor shall provide scoping and estimating services that accurately reflect cost and work effort to facilitate work	The Contractor shall develop projects and prepare job plans. The Contractor shall prepare scoping estimates, to include manpower, equipment, and material cost estimates for jobs that require customer approval and to aid budgeting and	Job plans and estimates and scoping estimates properly reflect the cost and effort required to accomplish work requests.

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
		scheduling and permit timely job accomplishment.	<p>maintenance plan development. Estimates shall be based upon the specified labor, equipment, and material estimating guides and procedures. Estimated labor hours, equipment, and material costs properly identify the labor and material requirements.</p> <p>The Government will identify which facility deficiencies shall be developed into projects. The Contractor shall develop scopes of work to resolve identified deficiencies.</p> <p>The job execution packages will not require stamped engineering drawings.</p> <p>Pursuant to directives from the Office of the Secretary of the Navy and in compliance with the Energy Policy Act of 2005, designers of new and renovation projects are required to design to reduce energy consumption in facilities to less than or equal to ASHRAE 90.1 2004, minus 30% and to employ sustainable design strategies where feasible.</p>	<p>Job plans are properly phased to facilitate work scheduling.</p> <p>Job plans are prepared in sufficient time to permit timely job accomplishment.</p>
3.2.1	Prepare Scoping Estimates	The Contractor shall develop scoping estimates for budgeting decisions and planning.	<p>The Government will use scoping estimates for planning and programming.</p> <p>The Contractor shall evaluate the work requests, validate and determine the technical scope, compare alternatives and recommend solutions to correct deficiencies, develop quantity takeoffs, recommend method of accomplishment, and provide preliminary labor hour and material estimates based upon Means or other agreed upon estimating standards such as market research, vendor data, etc...</p> <p>The Government will provide the required scoping estimate</p>	<p>Scoping estimates accurately reflect validated customer requirements.</p> <p>Initial scoping estimates and quantity take-offs are within 25% of the cost of completed work.</p> <p>Complete scoping estimates are prepared within the requested timeframes.</p>

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>submittal timeframe.</p> <p>The Contractor shall prepare complete and accurate scoping estimates that facilitate the programming and design of minor, specific and contract projects.</p> <p>Once deliverables are accepted by the Government, the Contractor shall either: 1) update the estimated cost data in an existing service request in Maximo, if one already exists, or 2) create a service request based upon the scope and estimate. The Contractor shall ensure the condition rating(s) of associated asset(s) is accurate based upon repair requirements. The Contractor shall follow system access requirements outline in Annex 2, Spec Item 2.6.6.1 to accomplish this requirement.</p> <p>The Contractor shall respond immediately to any issues concerning the scoping estimates. Resolution typically involves clarifying the scope of work, material requirements, resolving problems during work accomplishment. The Contractor shall attend work planning meetings as required.</p> <p>Refer to the Technical Library for a sample scoping estimate. The projected number of the annual job execution packages is provided in J-1501000-01.</p>	
3.2.2	Prepare Executable Job Packages	The Contractor shall prepare scopes of work and detailed project cost estimates for accomplishment by the in-house workforce.	The Contractor shall develop projects and prepare job plans for work to be accomplished by the in-house workforce. The Contractor shall provide a written detailed work description of all labor, materials, and equipment, including trade breakdown, for various projects	Scopes of work, specifications, plans, and drawings are accurate, comply with the required submittal format and content, and contain all work requirements to

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>for repair, renovation, and minor construction. The Contractor shall provide a line item estimate using Means (or other agreed to estimating guide such as market research, vendor data, etc...) estimating cost data, including sufficiently detailed labor, material and equipment line item estimates. The Contractor shall prepare/provide appropriate supporting sketches and/or other documents as required to support the job description.</p> <p>Approximately 75% of all estimates will require site plans, shop drawings, photographs, marked-up existing drawings, or other sketches.</p> <p>The Government will provide the required executable job package submittal timeframe.</p> <p>The Contractor shall respond immediately to any issues concerning the estimates. Resolution typically involves clarifying the scope of work, material requirements, and resolving problems during work accomplishment. The Contractor shall attend work planning meetings as required.</p> <p>Once deliverables are accepted by the Government, the Contractor shall either: 1) update the estimated cost data in an existing service request in Maximo, if one already exists, or 2) create a service request based upon the scope and estimate. The Contractor shall ensure the condition rating(s) of associated asset(s) is accurate based upon repair requirements. The Contractor shall follow system access requirements outline in Annex 2, Spec Item 2.6.6.1 to accomplish this requirement.</p>	<p>satisfy the facility deficiency. Job plans properly reflect the effort required to accomplish the work requests.</p> <p>The executable job packages are within 10% of the cost of completed work.</p> <p>Completed executable job packages are prepared per the established submittal time.</p>

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>The Contractor shall prepare scope modifications that may result during job accomplishment.</p> <p>Approximately 40% of job execution packages will require one or more modifications.</p> <p>The Contractor shall review and coordinate submittals with appropriate organizations and functional maintenance personnel and provide feedback to the Government for disposition.</p> <p>The projected number of the annual job execution packages is provided in J-1501000-01.</p>	
3.2.3	Prepare Executable Job Packages for IDIQ Contracts	The Contractor shall prepare scopes of work and detailed project estimates for accomplishment of IDIQ contracts.	<p>The Contractor shall develop projects and prepare job plans for work which will be executed via an IDIQ contract. The Contractor shall provide work requirements for various construction projects for repair, renovation, and minor construction. Copies of appropriate IDIQ contracts will be made available to the Contractor. The Contractor shall provide a Government estimate using the IDIQ ELINs. The Contractor shall prepare appropriate sketches as required to support the job description or as deemed appropriate by the government.</p> <p>The Government will provide the required executable job package completion timeframe.</p> <p>Once deliverables are accepted by the Government, the Contractor shall either: 1) update the estimated cost data in an existing service request in Maximo, if one already exists, or 2) create a service request based upon the scope and</p>	<p>The Contractor developed scopes of work, specifications, plans, and drawings are accurate, comply with the required submittal format and content, and contain all work requirements to satisfy the facility deficiency. Job plans properly reflect the effort required to accomplish the work requests.</p> <p>The executable job packages are within 10% of the cost of completed work.</p> <p>Complete executable job packages are prepared per the established submittal time.</p>

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			<p>estimate. The Contractor shall ensure the condition rating(s) of associated asset(s) is accurate based upon repair requirements. The Contractor shall follow system access requirements outline in Annex 2, Spec Item 2.6.6.1 to accomplish this requirement.</p> <p>The Contractor shall respond immediately to any issues concerning the estimates. Resolution typically involves clarifying the scope of work, material requirements, resolving problems during work accomplishment. The Contractor shall attend work planning meetings as required.</p> <p>The Contractor shall provide assistance to the Government to facilitate the negotiation of scope, cost, performance period, and start and completion dates and resolve any outstanding project issues. Assistance may include, but not be limited to, scope and estimate validation, evaluation of alternative methods, etc... The Contractor shall review and draft responses to requests for information regarding the job description/scope.</p> <p>The Contractor shall draft scope modifications that may result during job accomplishment. Approximately 40% of job execution packages will require one or more modifications.</p> <p>The Contractor shall review and coordinate submittals with appropriate organizations and functional maintenance personnel and provide feedback to the Government for disposition.</p>	

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
			Refer the Technical Library for sample of Statement of Work and Government Estimate. The projected number of the annual job execution packages is provided in J-1501000-01.	
3.2.4	Prepare Executable Job Packages For Non-IDIQ Contracts	The Contractor shall prepare scopes of work and detailed project cost estimates for non-IDIQ contracts.	<p>The Contractor shall develop projects and prepare job plans for work to be accomplished via a non-IDIQ contract. The Contractor shall provide a complete and accurate statement of work to be used to solicit quotes from commercial firms. The Contractor shall develop technical specifications to include all salient characteristics of the requirement, including quality and workmanship standards, prepare a detailed Government estimate for the work using MEANS (or other agreed to estimating guide such as market research, vendor data, etc...), identifying labor, materials and equipment for the project locality, and prepare sketches or drawings as required to support the job description. In the event a sole source procurement is required, the Contractor shall draft the required Justification and Authorization (J&A) and other documents required by the KO.</p> <p>The Government will provide the required executable job package submittal timeframe.</p> <p>Once deliverables are accepted by the Government, the Contractor shall either: 1) update the estimated cost data in an existing service request in Maximo, if one already exists, or 2) create a service request based upon the scope and estimate. The Contractor shall ensure the condition rating(s) of associated asset(s) is accurate based upon repair requirements.</p>	<p>The Contractor developed scopes of work, specifications, plans, and drawings are accurate, comply with the required submittal format and content, and contain all work requirements to satisfy the facility deficiency. Job plans properly reflect the effort required to accomplish the work requests. [60% of respective ELIN(s)]</p> <p>The executable job packages are within 10% of the cost of completed work. [20% of respective ELIN(s)]</p> <p>Complete executable job packages are prepared per the established submittal time. [20% of respective ELIN(s)]</p>

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			<p>The Contractor shall follow system access requirements outline in Annex 2, Spec Item 2.6.6.1 to accomplish this requirement.</p> <p>The Contractor shall respond immediately to any issues concerning the estimates. Resolution typically involves clarifying the scope of work, material requirements, resolving problems during work accomplishment. The Contractor shall attend work planning meetings as required.</p> <p>The Contractor shall provide assistance to the Government to facilitate the negotiation of scope, cost, performance period, and start and completion dates and resolve any outstanding project issues. Assistance may include, but not be limited to, scope and estimate validation, evaluation of alternative methods, etc... The Contractor shall review and draft responses to requests for information regarding the job description/scope.</p> <p>The Contractor shall draft scope modifications that may result during job accomplishment. Approximately 40% of job execution packages will require one or more modifications.</p> <p>The Contractor shall review and coordinate submittals with appropriate organizations and functional maintenance personnel and provide feedback to the Government for disposition.</p> <p>Refer to the Technical Library for sample job package statement of work and Government Estimate. Projected</p>	

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
			data of the anticipated annual number of job execution packages is provided in J-1501000-01.	
3.2.5	Provide Solicitation Support	The Contractor shall provide support during contract solicitation to facilitate successful and timely contract procurement.	For projects developed by the Contractor, the Contractor shall be responsible for drafting revised specifications, scopes of work, and cost estimates for solicitation amendments that may result during procurement. Approximately 40% of solicitations will require one or more amendments. Contractor draft responses shall be provided and shall not hinder the solicitation.	Contractor drafted specification and work scope changes are clear and concise and reflect sound engineering solutions. Cost estimates are within 10% of Means. Responses are received by the government provided due date.
3.3	Installation Support	The Contractor shall provide the Installation Support functions identified below.	Refer to J-1501000-01 for projected workload. Much of the work in this area will require the contractor to have ready access to government shared drive, currently on NMCI network. Pursuant to directives from the Office of the Secretary of the Navy and in compliance with the Energy Policy Act of 2005, designers of new and renovation projects are required to design to reduce energy consumption in facilities to less than or equal to ASHRAE 90.1 2004, minus 30% and to employ sustainable design strategies where feasible.	An Energy and Water Conservation Program to achieve energy and water saving goals is developed, implemented, and managed.
3.3.1	Energy and Water Conservation	The Contractor shall support NASP Energy Program by including energy and water conservation in all processes and by	Goals are provided by SECNAV, OPNAV, NAVFAC and NASP instructions and as needed to achieve minimum Gold level recognition in Annual energy Blue/Gold/Platinum energy submission.	Energy reduction and water conservation potentials are identified and quantified on a quarterly basis.

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		identifying potential projects and providing data.	<p>Employees shall be trained in energy and water conservation processes applicable to their jobs.</p> <p>A sample Shore Activity Energy and Water Management Annual Report and Awards submission is provided in the Technical Library.</p>	<p>Information toward SECNAV goals is provided upon request.</p> <p>Energy awareness is actively promoted and training provided.</p>
3.3.2	Maintain Facility Drawings, Maps, and Electronic Databases	The Contractor shall provide engineering drafting, electronic record creation and maintenance, and hard copy file creation and maintenance to assure PWD engineering records accurately indicate the inventory and condition of PNRC facilities.	<p>The Contractor shall provide drafting and plotting services to include, but not necessarily limited to, digital scanning (jpeg), electronic filing, updating drawings, reproduction of drawings, schematics, maps, slides, charts and graphs.</p> <p>Approximately 20 Archive drawings will require scanning and electronically filing per month.</p> <p>The Contractor shall maintain all Government owned electronic and hardcopy engineering CAD files, and other databases associated with drawings and maps. Drawings shall be filed in the appropriate file cabinets to facilitate the Government ease of access and location. The Contractor shall limit access to file storage locations to Government approved personnel. All original drawings removed from the file room shall be logged to include the name, address, telephone number, and other pertinent information on the individual removing the drawings, together with the drawing numbers and title. The log shall be signed by the individual removing the drawings.</p> <p>The Contractor shall create and update all facility files and records as facility additions and changes occur. Changes may be the result of the Contractor's actions or that</p>	<p>All records are current. File creation/updates are made within 10 working days of receipt of information.</p> <p>Files are easily assessable to authorized personnel. File condition is orderly.</p>

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			<p>resulting from other Contractor or Government work forces. The Contractor shall request additional or revised information from Government activities and construction agencies, as required, to obtain and produce complete and concise documentation. The Contractor shall ensure that as-built drawings are approved prior to filing.</p> <p>This specification item requires NMCI access to perform. See Annex 2, spec item 2.8.8. Access to files will be by shared NMCI computer.</p>	
3.3.3	Excavation Permits	The Contractor shall obtain coordination with other responsible Navy activities and issue the excavation permit for PNRC.	<p>The contractor shall receive and process request for dig permits from requestor. Contractor shall manage, coordinate, seek comments and signatures for review, from responsible Navy activities; and issue the excavation permit for PNRC. The contractor shall issue an electronic permit and obtain concurrence of Navy activities having an interest in subsurface features. The requestor is responsible for obtaining approval from Sunshine State One Call." Upon receipt of approval from Navy facilities and Sunshine State One Call, the Contractor shall print the excavation permit and mark the areas at the intended work site to identify underground utilities, cultural resources, environmentally sensitive sites and/or other possible constraints.</p> <p>Emergencies - permits shall be processed immediately upon receipt of the request. Routine - permits shall be issued within five working days from receipt of request or by the government required due date if, later.</p>	<p>Permits are issued by the specified due date.</p> <p>Permits are maintained on file for two fiscal years.</p>

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
			The Contractor shall retain the permits for two fiscal years. The Contractor shall comply with NASPCOLAINST 11010.3.	

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
4	Non-recurring Work	Non-recurring work may be ordered utilizing DoD EMALL/FEDMALL in accordance with Section H or on a task order in accordance with the PROCEDURES FOR ISSUING ORDERS clause in Section G. The order will specify the exact locations and types of work to be accomplished. The period of performance will be specified in each order.	Refer to Non-recurring Work ELINs for task listings, descriptions and related requirements. All periods of performance are measured from issue date of order to acceptance of the work. Performance Standards for Non-recurring work will be the same as those in Spec Item 3 where applicable.	Work is accomplished in a professional manner and fulfills the task order requirement. Work is completed per the required or negotiated completion date.

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3.3.4.1	Boiler and UPV Operation, Maintenance, and Repair
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3.3.4.3	Boiler and UPV Inspection, Testing, and Certification
3.3.5	Pool Equipment
3.3.6	Compressed Air Systems
3.4	Inspection, Testing, and Certification Program
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3.5	Other Recurring Services Program
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3.5.7	Disaster Preparedness Locker
3.5.8	Airfield Parking Equipment Shelters (APES)
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Spec Item	Title	Description
1	General Information	The Contractor shall provide all labor, management, supervision, tools, material, vehicles, and equipment required to perform Facility Investment services for facilities, ground structures, personal property equipment, and installed equipment and systems at Pensacola Naval Regional Complex.
1.1	Concept of Operations	<p>The intent of 1502000 Facility Investment is to specify the requirements for Sustainment, Restoration, and Modernization (SRM) sub-functions only. The Facility Investment requirements within this sub-annex primarily consist of infrastructure sustainment and minimal restoration and modernization work. Sustainment is the maintenance and repair necessary to keep an inventory of facilities and other assets in good working order. Restoration and modernization normally consists of major rehabilitation and capital improvements that is accomplished through other Navy programs. Some major repair, minor construction and stand-alone demolition may be accomplished as part of Facility Investment.</p> <p>The Contractor shall perform maintenance, repair, alteration, demolition and minor construction for the following:</p> <p>Building and Structures</p> <ul style="list-style-type: none"> -Architectural Components -Roofing -Foundation -Structural Components -Fire Stop -Tanks -POL Systems -Pipelines -Streetlights <p>Building Systems</p> <ul style="list-style-type: none"> -HVAC -Fire Protection -Vertical Transportation Equipment (VTE) -Intrusion Detection Systems -Bridge and Jib Cranes -Boilers (excluding Central Utility Plant Boilers) -Unfired Pressure Vessels (UPV) -Compressed Air Systems -Central Vacuum Systems -Automatic Doors -Potable Water (including backflow prevention devices) -Wastewater -Electrical -Lightning Arrestors and Grounding Devices -Audio Visual Systems -Antennas -Auxiliary Generator Systems (including emergency and portable generators) -Uninterruptible Power Systems (UPS) -Grease Traps -Exhaust Hoods and Ducts -WHE -Aquatic and Pool systems

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Spec Item	Title	Description
		<p>Miscellaneous</p> <ul style="list-style-type: none"> -Signs -Fences -Locksmith -Flag Poles <p>Roads and Paved Surfaces</p> <ul style="list-style-type: none"> -Traffic Control Devices -Sidewalks -Parking Lots -Drainage Systems -Outdoor Courts <p>Waterfront</p> <ul style="list-style-type: none"> -Piers -Bulkheads -Wharfs -Cathodic Protection Systems <p>Naval Hospital Pensacola Facilities are not included in this Annex, they are covered under 1502000 BUMED. Generally, Facility Investment includes maintenance of all auxiliary generators, backflow preventers, boilers, etc...serving individual facilities. Where these components serve more than one facility, they are covered under the utilities annexes. Specific exceptions to this general rule listed in Section J attachments are included in the scope of this Annex.</p>

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2	Management and Administration	
2.1	Personnel	The Contractor shall provide personnel with the qualifications, technical knowledge, experience and skills required for efficient operations within the FI function.
2.1.1	Certification, Training, and Licensing	<p>Additional technician qualification, training, and certification requirements are outlined in J-1502000-01.</p> <p>Within 30 days after contract award the Contractor shall provide current, valid certificate or registration under Florida Statutes Chapter 489 Parts I, II and III:</p> <ol style="list-style-type: none"> 1. Class A Heating, Air Conditioning, Refrigeration (HAR) 2. Plumbing 3. Mechanical 4. Unlimited Electrical 5. Alarm Systems I 6. Commercial Pool/Spa <p>The Contractor shall submit proof of all certification, training, and licensing requirements per Section F.</p>
2.2	Special Requirements	
2.2.1	Workmanship and Material Standards	<p>The Contractor shall be responsible for maintaining all facilities, systems, and equipment, identified in this technical sub-annex, to a standard that prevents deterioration beyond that which results from normal wear and tear and corrects deficiencies in a timely manner to assure full life expectancy of the facilities, systems, and equipment. Best commercial practices shall be applied in the performance of work. All work shall be completed per approved and accepted industry and equipment manufacturers' standards and shall comply with building and safety codes, applicable activity, local, state, and federal regulations, and other technical requirements identified within this technical sub-annex.</p> <p>Workmanship for maintenance and repair shall include all work necessary to complete facility and system restoration, including touch-up painting and operational checks. Upon completion of work, the Contractor shall ensure all facilities, systems, and equipment are free of missing components or defects which would affect the safety, appearance, or habitability of the facilities and structures or would prevent any electrical, mechanical, plumbing or structural system from functioning in accordance with design intent. Repairs shall be made in accordance with the manufacturers' specifications and guidelines, and standard building codes. The quality of repairs shall meet the applicable standards and shall prevent any malfunction reoccurrences caused by poor workmanship or other contractor inadequacies. The quality of the repaired areas shall be fully compatible with adjacent surfaces or equipment. Except where otherwise specified, replacements shall match existing in dimensions, finish, color, design, and functionality and shall have an appearance similar to the original finished appearance with only minor unobjectionable deterioration resulting from normal use.</p> <p>The Contractor shall not allow debris to spread unnecessarily into adjacent areas nor accumulate in the work area. All such debris, excess material, and parts shall be cleaned up and removed at the completion of the job and at the</p>

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		<p>end of each day work is in progress. Upon completion of work, any stains and other unsightly marks shall be removed.</p> <p>In the event that OEM parts are not available to execute repairs within contractual timelines, the Contractor shall propose non OEM parts if available when the warranty is not affected. Approval of alternative parts use rests with the government.</p>
2.2.2	Historical Preservation	Buildings and facilities designated as historical sites shall be maintained in accordance with Federal, state, and local historical policies and regulations.
2.2.3	Equipment and Systems Monitoring Documentation	<p>Where indicated in the spec items below, the Contractor shall maintain a monitoring log for each system located at a major component of the system. The log shall indicate status of key system performance parameters such as temperature, humidity, pressure, etc... Minimum log requirements for specific equipment can be found in J-1502000-08. Parameters shall be measured and recorded each time service is performed and at least once monthly. The data shall be organized in a manner such that failures and trends are apparent upon review. There shall be at least 6 months of data maintained with the equipment for trend analysis and troubleshooting. Older data shall be archived in the technical library.</p> <p>The Contractor shall immediately log the date and time of all outages or instances where the performance objectives are not being met and date and time that the system(s) return(s) to proper operation.</p> <p>The log shall include use of temporary equipment regardless of source. The log shall include seasonal startups and shutdowns. The log shall include all PM and repairs performed.</p> <p>Within 90 days of the start of performance, the Contractor shall review OEM and design documentation, the performance standards in this contract, and existing log books to ensure key performance standards and the status of operating parameters are documented in the log books. Where existing documentation is insufficient, the Contractor shall update both the standards and the format of the log book. The Contractor shall document any systems or equipment that do not contain gauges or ports for measuring these key operating parameters. The Contractor shall provide a report which includes system performance standards, documentation changes, and recommended measurement device updates per Section F. This report shall be updated as system changes are made.</p>

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3	Recurring Work	The Contractor shall maintain, repair, and alter facilities, ground structures, personal property equipment and installed equipment and systems to ensure they are fully functional and in normal working condition.	<p>The Contractor shall develop, implement, and execute a Service Order, Preventive Maintenance Program, Integrated Maintenance Program, Inspection, Testing, and Certification Program, and Other Recurring Service Programs to maintain, repair, and alter facilities, ground structures, personal property equipment, and installed equipment and systems.</p> <p>The Contractor shall maintain all maintenance, repair, and alteration data and warranty records in the technical library and CMMS in accordance with Annex 2.</p> <p>The Contractor shall provide all necessary test instruments, equipment, and tools required to perform maintenance, repair, alteration and certification.</p> <p>Work on Federal Bureau of Prisons facilities and systems shall comply with the The Joint Commission requirements and support accreditation by The Joint Commission.</p> <p>The current facilities descriptions are provided in J-1502000-02.</p> <p>Site maps are provided in J-1502000-03.</p>	Facilities, ground structures, personal property equipment, and installed equipment and systems are in normal working condition and function properly in accordance with specified standards.
3.1	Service Orders	The Contractor shall perform service order work in a timely manner to accomplish any work identified within the entire boundaries of PNRG to ensure facilities, ground structures, personal property equipment,	<p>The Contractor shall receive service orders in accordance with the work reception requirements in Annex 2.</p> <p>The Contractor shall schedule and perform service orders in a way that minimize disruptions to customers and Government operations.</p> <p>The Contractor shall perform service orders to accomplish any</p>	<p>Service order work is responded to and completed within the specified time.</p> <p>Facilities, ground structures, personal property equipment, installed equipment, systems, and other assets are fully</p>

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		<p>installed equipment, systems, and other assets are fully functional, in normal working condition and function properly in accordance with specified standards.</p>	<p>work identified within the entire boundary of the installation(s) and government owned systems and equipment (i.e. utilities) outside installation(s).</p> <p>Service orders will include a wide variety of work. Historical service call data is provided in J-1502000-04. Historical service call data associated with contracts prior to this solicitation may present data that may not be representative of requirements specified. The Government makes no warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of the historical service call data.</p> <p>Service orders for each customer are quantified in J-0200000-13 ELINs.</p> <p>The Contractor shall maintain sufficient materials and equipment on hand to support service order work requirements. Lack of availability of material or equipment will not relieve the Contractor from the requirement to complete service order work within the time limits specified.</p> <p>The Government may combine multiple requirements received for the same facility, system, ground structure, or other asset at the same time into one service order.</p> <p>As part of the service order, the Contractor has full responsibility for any work up to Recurring Work limits of liability of 32 direct labor hours and/or \$2,500 in direct material cost per service order. Contractor is responsible for work up to Recurring Work limit of liability for both direct labor and direct material cost per</p>	<p>functional, in normal working condition and function properly in accordance with OEM specifications and design intent, including recertification if applicable.</p> <p>When repair is complete the facility, ground structure, personal property equipment or installed equipment and system does not present danger to personnel or equipment.</p>

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			<p>service order. See examples below.</p> <p>Three examples of service orders exceeding the Recurring Work limit of liability:</p> <ol style="list-style-type: none"> 1. If a service order requires 33 direct labor hours and \$2,500 in direct material cost, the Government may issue a task order in accordance with the Non-recurring Work portion of the contract for the one direct labor hour that exceeds the Recurring Work limit of liability. 2. If a service order requires 32 direct labor hours and \$2,600 in direct material cost, the Government may issue a task order in accordance with the Non-recurring Work portion of the contract for the \$100 in direct material cost that exceeds the Recurring Work limit of liability. 3. If a service order requires 33 direct labor hours and \$2,600 in direct material cost, the Government may issue a task order in accordance with the Non-Recurring Work portion of the contract for the one direct labor hour and \$100 in direct material cost that exceeds the Recurring Work limit of liability. <p>The limit of liability for service orders includes only direct material and direct labor. The government will not be responsible for reimbursement of any other associated cost as part of the service order limit of liability.</p> <p>The Contractor shall notify the KO upon identification that the service order will exceed the liability limits specified above in</p>	

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			<p>accordance with reporting requirements in Annex 2. If Non-Recurring work is issued to complete the repairs, the Government will only pay for the portion of direct labor and/or direct material that exceeds the service order limits.</p> <p>Service orders will not be issued for accomplishment of repairs on systems and equipment maintained under IMP.</p> <p>Contractor will receive payments for completed service orders. The contractor will not receive payment on incomplete service orders and service orders not issued. Unused and incomplete service orders will be deducted at the contractor's unit prices identified in the ELINs, J-0200000-13 annually.</p> <p>The Contractor shall submit a weekly report of all open service orders and a monthly summary report of service orders which includes orders completed within the previous month and those that remain outstanding per Section F. Service order report format will be provided to the contractor at the start of the contract. Report formats may change any time at no additional cost to the Government.</p>	
3.1.1	Emergency Service Orders	The Contractor shall perform emergency service order work in a timely manner.	<p>The Contractor shall perform emergency service orders 24 hours a day, seven days a week throughout the contract period.</p> <p>The Contractor shall respond to emergency service orders with the appropriate service personnel and equipment to commence work immediately.</p> <p>The Contractor shall remain at the work site until the emergency has been arrested.</p>	<p>Emergency service orders responded to within one hour of receipt of call.</p> <p>Emergency service orders are arrested within 24 hours of receipt of call.</p> <p>Work is continued without interruption until emergent condition is arrested.</p>

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			Once the emergency is arrested, the Contractor shall complete follow-on work required to repair/restore the facilities, ground structures, personal property equipment, installed equipment, systems, or other assets to safe, normal working condition verify that it functions properly.	Follow-on work required to repair/restore facilities, ground structures, personal property equipment, installed equipment, systems, or other assets to a safe, normal working condition and verify proper function is completed within five calendar days.
3.1.2	Urgent Service Orders	The Contractor shall perform urgent service order work in a timely manner.	The Contractor shall perform urgent service orders without extended delay.	Urgent service orders are completed within five working days.
3.1.3	Routine Service Orders	The Contractor shall perform routine service order work in a timely manner.	Performance of routine service orders is not required outside of Government regular working hours.	Routine service orders are completed within 30 calendar days.
3.1.4	Scheduled Service Orders	The Contractor shall perform scheduled service order work in a timely manner.	The Contractor shall start and complete all scheduled service orders within the timeframes specified. Scheduled service orders are typically requested three days in advance.	Scheduled service orders are started and completed within the timeframes specified by the requestor or as directed by the KO.
3.2	Preventive Maintenance (PM) Program	The Contractor shall develop and implement a PM program for facilities, ground structures, personal property equipment, and installed equipment and systems to ensure proper operation, to minimize breakdowns, and to maximize useful life.	The Contractor shall develop and submit a PM program per Section F. The Contractor is fully responsible for and shall perform any repairs, including replacement, discovered during scheduled maintenance work up to a total of \$400 per occurrence in direct material and direct labor cost under the recurring work portion of the contract. Incidental repairs work performed under maintenance	Maintenance is accomplished in accordance with the Contractor's PM program and work schedule. PM is performed in accordance with manufacturers' recommended procedures, OEM standards, and as prescribed herein. Where there is disparity between

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			<p>are not considered a service order.</p> <p>Notification of repair work exceeding the incidental repairs limit shall be submitted to the KO per Annex 2, Spec Item 2.14. Service orders or Non-Recurring work may be issued for repairs exceeding the incidental repairs limit.</p> <p>Example: If an individual occurrence of repair requires \$450 in direct labor and/or direct material cost, the Government may issue a service order or a task order in accordance with the non-recurring work portion of the contract for the \$50 in direct labor and/or direct material cost that exceeds the specified repair limit of liability.</p> <p>The Contractor shall not use breakdown maintenance as part of the PM program.</p> <p>The PM program shall provide an economical approach to perform manufacturers' recommended procedures, meet OEM standards, and perform maintenance required to satisfy equipment warranties and keep facilities, ground structures, personal property equipment, and installed equipment and systems in normal working condition.</p> <p>The Contractor shall verify proper operation of gauges associated with the system being maintained.</p> <p>Excessive or repeated system or equipment breakdowns or deficiencies may indicate the need to adjust or modify the Contractor's PM program. These changes will be made at no additional cost to the</p>	<p>standards, the more stringent shall apply.</p> <p>Gauges are accurate.</p>

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			<p>Government.</p> <p>As part of the PM program, the Contractor shall perform equipment condition assessments to support the Infrastructure Condition Assessment Program (ICAP).</p> <p>The Contractor shall assess and document equipment condition annually. Depending on the type of equipment, as related by Uniformat Classification, the Contractor must assess the condition of one to 12 meters. The description of meter groups for each Uniformat Classification is listed in J-1502000-05. The general direct condition rating guidance is shown in J-1502000-06 and condition rating guidance specific to each meter group is provided in J-1502000-07.</p> <p>Direct condition ratings shall be reported as specified in the Computerized Maintenance Management Systems (CMMS) Spec Item in Annex 0200000.</p> <p>Minimum maintenance standards for specific equipment are included in J-1502000-08.</p> <p>The Contractor shall submit a monthly PM work schedule per Section F.</p>	
3.2.1	HVAC and Refrigeration Systems	The Contractor shall maintain HVAC and Refrigeration systems to ensure proper operation, to minimize breakdowns, and to maximize useful life.	<p>The PM program HVAC and refrigeration systems description is provided in J-1502000-09. Reference information pertaining to the System Descriptions is provided in J-1502000-35.</p> <p>HVAC and refrigeration system setpoints shall be maintained as specified in J-1502000-17.</p> <p>Control systems attached to the equipment are included in this</p>	<p>Maintenance is performed in accordance with Contractor's PM program and work schedule.</p> <p>HVAC and refrigeration systems are maintained at the required setpoints.</p> <p>HVAC and</p>

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			<p>maintenance requirement.</p> <p>The Contractor shall not vent or otherwise dispose of any ozone-depleting refrigerant in a manner that will permit its release into the environment. These refrigerants shall be captured and recycled in accordance with all Federal, state, and local environmental regulations.</p> <p>Refrigerant usage reports shall be provided to the environmental department monthly.</p>	<p>refrigeration systems are in compliance with environmental regulations.</p>
3.2.2	Auxiliary Generators	The Contractor shall perform maintenance on auxiliary generators to ensure safe, reliable, uninterrupted service.	<p>Auxiliary Generators are provided in J-1502000-10.</p> <p>The Contractor shall comply with OEM instructions and NAVFAC MO-912.</p> <p>Maintenance shall include periodic startup, run and load test of all auxiliary generators to ensure operability.</p> <p>The Contractor shall fill fuel tanks when they dip below 75% full. Fuel to replenish tanks will be provided by the Government. The Contractor shall transport fuel from a bulk fuel storage tank located SW of Facility 3561 to the tank needing replenishment.</p> <p>Facility auxiliary generators shall be activated to restore electrical power following loss of primary power.</p> <p>Generator run time reports shall be provided to the environmental department monthly.</p> <p>Generator reporting for FBOP payee shall comply with the Joint Commission standard.</p>	<p>Maintenance is performed in accordance with Contractor's PM program and work schedule.</p> <p>Auxiliary generators provide electrical power to meet the load demand for the duration of a power outage.</p> <p>Auxiliary generators on facilities with automatic transfer switches activated to restore electrical power within 30 seconds following loss of primary power.</p> <p>Auxiliary generators on facilities with manual transfer switches activated to restore electrical power within ten minutes of notification by SCADA or other means of loss of power.</p>

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3.2.3	Galley Equipment	The Contractor shall perform maintenance for Galley equipment to ensure proper operation, to minimize breakdowns, and to maximize useful life.	Galley Equipment is provided in J-1502000-11. The Contractor's PM shall comply with all OEM requirements and standards. Where the word should is used by the OEM, substitute the word shall.	Maintenance is performed in accordance with Contractor's PM program and work schedule.
3.2.4	Ice Makers	The Contractor shall perform maintenance for Ice Makers to ensure proper operation, to minimize breakdowns, and to maximize useful life.	Ice Makers are provided in J-1502000-12. The Contractor's PM shall comply with all OEM requirements and standards. Where the word should is used by the OEM, substitute the word shall.	Maintenance is performed in accordance with Contractor's PM and work schedule.
3.2.5	Emergency Lighting Systems	The Contractor shall perform maintenance for Emergency Lighting Systems to ensure proper operation, to minimize breakdowns, and to maximize useful life.	Emergency Lighting Systems Description is provided in J-1502000-13. The Contractor's PM shall comply with all OEM requirements and standards. Where the word should is used by the OEM, substitute the word shall.	Maintenance is performed in accordance with Contractor's PM and work schedule.
3.2.6	Domestic Water Booster Pumps	The Contractor shall perform maintenance for Domestic Water Booster Pumps to ensure proper operation, to minimize breakdowns, and to maximize useful life.	Domestic water booster pumps are provided in J-1502000-14. The Contractor's PM shall comply with all OEM requirements and standards. Where the word should is used by the OEM, substitute the word shall.	Maintenance is performed in accordance with Contractor's PM and work schedule.
3.2.7	Doors	The Contractor shall perform maintenance for Doors to ensure proper operation, to minimize breakdowns, and to maximize useful	Doors are provided in J-1502000-15. The Contractor's PM shall comply with all OEM requirements and standards. Where the word should is used by the OEM, substitute the word	Maintenance is performed in accordance with Contractor's PM and work schedule.

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		life.	shall.	
3.2.8	Gates	The Contractor shall perform maintenance for Gates to ensure proper operation, to minimize breakdowns, and to maximize useful life.	Gates are provided in J-1502000-16. The Contractor's PM shall comply with all OEM requirements and standards. Where the word shall is used by the OEM, substitute the word shall.	Maintenance is performed in accordance with Contractor's PM and work schedule.
3.3	Integrated Maintenance Program (IMP)	The Contractor shall develop and implement an IMP program for facilities, ground structures, personal property equipment, and installed equipment and systems to ensure they are safe, fully functional, and operational.	The Contractor shall develop and submit an IMP per Section F. The IMP shall include the Contractor's approach for integrated maintenance, including maintenance, testing, calibration, certification, and inspection tasks, schedules for planned work accomplishment, plan for minimizing occurrence of repair and downtime, process for the identification of the need for repairs, and the process for scheduling and completing repair work. As part of the IMP, the Contractor has full responsibility for any individual occurrence of repair, including replacement, up to \$10,000 in direct material and direct labor costs. The Contractor shall, per Annex 2, notify the KO upon identification that the repair will exceed the liability limit listed above. If the estimated cost of the repair exceeds the Recurring Work liability limit, the Government may order the work under the Non-Recurring Work section of this contract; however, the Government will only be liable for the amount of cost exceeding the Recurring Work liability limit. The Contractor shall perform all repairs, whether identified as part of their routine IMP	Maintenance is performed in accordance with Contractor's IMP and work schedule. When a problem or a need for repair is identified, the Contractor shall respond within two hours during regular working hours, four hours after regular working hours and restore system function within 48 hours. For emergencies, the Contractor shall respond within one hour of notification. Emergencies shall be arrested within 24 hours of notification. Work is continued without interruption until emergent condition is arrested. Systems and equipment are maintained and repaired to function as designed and

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			<p>accomplishment, QC inspections, or notification from the Government that a breakdown or malfunction has occurred.</p> <p>If the Government identifies a problem or a need for repair, the Government will contact the work reception desk. Service orders will not be issued for accomplishment of repairs on systems and equipment maintained under IMP.</p> <p>As part of the IMP program, the Contractor shall perform equipment condition assessments to support the Infrastructure Condition Assessment Program (ICAP).</p> <p>The Contractor shall assess and document equipment condition annually. Depending on the type of equipment, as related by Uniformat Classification, the Contractor must assess the condition of one to 12 meters. The description of meter groups for each Uniformat Classification is listed in J-1502000-05. The general direct condition rating guidance is shown in J-1502000-06 and condition rating guidance specific to each meter group is provided in J-1502000-07.</p> <p>Direct condition ratings shall be reported as specified in the Computerized Maintenance Management Systems (CMMS) Spec Item in Annex 0200000.</p> <p>The IMP system descriptions are provided in J-1502000-18 through J-1502000-23.</p> <p>Minimum maintenance standards for specific equipment are included in J-1502000-08.</p>	<p>within OEM standards.</p> <p>When repair is complete the facility, system, or equipment does not present any hazard or danger to personnel.</p>

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			The Contractor shall submit a monthly IMP schedule and IMP maintenance and repair status report per Section F.	
3.3.1	HVAC and Refrigeration Systems	The Contractor shall provide an IMP for HVAC and Refrigeration systems and equipment to ensure they are safe, fully functional, and operational.	<p>The IMP shall illustrate the Contractor’s approach to operation, maintenance, repair, seasonal start up and shut down, water testing and treatment, and control systems monitoring.</p> <p>The IMP HVAC and refrigeration systems description is provided in J-1502000-18. Reference information pertaining to the System Descriptions is provided in J-1502000-35.</p>	
3.3.1.1	HVAC Operation, Maintenance, and Repair	The Contractor shall operate, maintain, and repair HVAC systems and equipment to ensure they are safe, fully functional, and operational.	<p>The IMP HVAC and refrigeration systems description is provided in J-1502000-18.</p> <p>The control systems description is provided in J-1502000-25.</p> <p>HVAC system setpoints shall be maintained as specified in J-1502000-17. The Contractor shall implement changes to setpoints at no cost.</p> <p>As part of the IMP, the Contractor shall include all equipment, components of the HVAC and refrigeration systems, equipment, monitoring and control systems, such as: software applications, computers, computer work stations, communication equipment, printers, and implement any future versions of the systems software at no additional cost to the Government.</p> <p>The Contractor shall not vent or otherwise dispose of any ozone-depleting refrigerant in a manner that will permit its release into the environment. These refrigerants shall be captured and recycled in accordance with</p>	<p>Maintenance is performed per Contractor's IMP and work schedule.</p> <p>HVAC systems are maintained within required parameters (temperature, humidity, etc...).</p> <p>HVAC systems are in compliance with environmental regulations.</p>

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			<p>all Federal, state, and local environmental regulations.</p> <p>Refrigerant usage reports shall be provided to the environmental department monthly.</p>	
3.3.1.2	Refrigeration Systems Operation, Maintenance, and Repair	The Contractor shall operate, maintain, and repair Refrigeration systems and equipment to ensure they are safe, fully functional, and operational.	<p>Refrigeration system setpoints shall be maintained as specified in J-1502000-17.</p> <p>Control systems attached to the equipment are included in this maintenance requirement.</p> <p>The Contractor shall not vent or otherwise dispose of any ozone-depleting refrigerant in a manner that will permit its release into the environment. These refrigerants shall be captured and recycled in accordance with all Federal, state, and local environmental regulations.</p> <p>Refrigerant usage reports shall be provided to the environmental department monthly.</p>	<p>Maintenance is performed per Contractor's IMP and work schedule.</p> <p>Refrigeration systems are maintained at the required temperature.</p> <p>Refrigeration systems are in compliance with environmental regulations.</p>
3.3.1.3	HVAC Seasonal Start-Up and Shutdown	The Contractor shall perform seasonal start-up and shutdown to ensure HVAC systems are prepared and activated at the start of each season and deactivated and preserved at the end of each season.	<p>The Contractor shall perform start-up and shutdown of HVAC systems when directed by the KO.</p> <p>Components of HVAC systems for 12 facilities are normally shutdown during the months of November or December, and started up during the months of March or April; however, the length of the season will vary and no adjustment in the contract price is made regardless of the actual length of the season. The KO will advise the Contractor of the specific date or dates when such services should begin to be accomplished.</p> <p>J-1502000-24 lists the facilities included.</p> <p>Fall shutdown shall include securing and winterizing the air conditioning system and</p>	Seasonal start-up and shutdown work completed within two working days of the specified start date for equipment in individual buildings, or within 10 working days if services are ordered for all systems at the same time.

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			<p>activating steam, electric, or gas heating system and resetting all thermostats as required.</p> <p>Spring start-up shall include activating the air conditioning system and securing and preserving all heating coils or heat exchangers and resetting all thermostats as required.</p> <p>The Contractor shall notify the Government when the seasonal start ups and shut downs are complete.</p>	
3.3.1.4	HVAC Water Testing and Treatment Services	The Contractor shall provide and implement a HVAC water testing and treatment program to ensure optimum equipment operation and to maximize useful life.	<p>The Contractor shall develop a HVAC water testing and treatment program for water-cooled chillers and cooling towers in accordance with equipment manufacturer’s specifications and industry standards.</p> <p>The Contractor shall twice annually open a chiller condenser (specific chillers to be selected by KO) for tube inspection. If buildup is in excess of .01 inch, tubes shall be cleaned. If two consecutive inspections document buildup in excess of .01 inch in greater than 10% of the tubes, all condensers included in the water treatment program shall have tubes cleaned using non-destructive cleaning methods.</p> <p>The Contractor shall submit HVAC water treatment test reports.</p>	<p>Sampling and testing is accomplished in accordance with the Contractor's program and schedule.</p> <p>Test results confirm that cooling or chilled water meets the chemical residual limits in accordance with the Contractor’s HVAC water testing and treatment program.</p> <p>Cooling Towers are free from mineral(s) biological activity, solid(s) and debris.</p>
3.3.1.5	Controls System Monitoring	The Contractor shall monitor controls systems for all HVAC Systems.	Control systems shall be monitored as noted in J-1502000-25.	<p>Alarms responded to in accordance with spec item 3.3.</p> <p>For systems monitored 24/7, the control system alarm is considered identification of a problem or need for repair.</p>

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				For systems monitored only during regular working hours, identification of a problem or need for repair occurs at the beginning of the next working day, if the control systems alarm occurs after hours.
3.3.2	Fire Protection Systems	The Contractor shall provide an IMP for all fire protection systems, fire alarm systems, and fire pumps to ensure safe, reliable, uninterrupted fire protection service.	<p>Fire protection systems description is provided in J-1502000-19.</p> <p>IMP shall comply with established guidelines in UFC 3-601-02, Operations and Maintenance: Inspection, Testing, and Maintenance of Fire Protection Systems, OEM requirements, and NFPA codes and standards.</p> <p>Maintenance scheduling shall be coordinated with NASP Fire Department.</p>	<p>Maintenance is performed per Contractor's IMP and work schedule.</p> <p>Inspection and testing completed per IMP and work schedule.</p> <p>Systems operate as designed.</p>
3.3.3	Vertical Transportation Equipment (VTE)	The Contractor shall provide an IMP for VTE to ensure they are safe, fully functional, and operational.	<p>VTE systems description is provided in J-1502000-20.</p> <p>The IMP shall illustrate the Contractor's approach to operation, maintenance, repair, inspection, testing, and certification.</p>	
3.3.3.1	VTE Operation, Maintenance, and Repair	The Contractor shall operate, maintain, and repair VTE to ensure proper operation, to minimize breakdowns, and to maximize useful life.	<p>Operation, maintenance, and repair shall comply with manufacturers' recommended procedures, OEM standards, and ASME A17.1.</p> <p>For certification that is required per ASME A17 due to work performed under this Spec Item, refer to the Spec Item 3.3.3.2 for Inspection, Testing, and Certification of VTE.</p> <p>The Contractor shall notify the Government of repair work</p>	<p>Maintenance is accomplished in accordance with Contractor's IMP and work schedule.</p> <p>Operates on demand as designed.</p>

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			necessary to maintain certification within one hour of identification.	
3.3.3.2	Vertical Transportation Equipment (VTE) Inspection, Testing and Certification	The Contractor shall prepare, inspect, test, and operate VTE systems to support Government certification.	<p>The Contractor shall submit a VTE inspection and testing schedule to the Government within 30 days of contract award, and annually thereafter.</p> <p>The Contractor shall prepare VTE for inspection and certification in accordance with ASME A17.1.</p> <p>The Contractor shall refrain from operating VTE without a valid NAVFAC inspection certificate.</p> <p>The Contractor shall perform all inspections and tests for certification in the presence of a Government provided inspector.</p> <p>The Contractor shall provide ten (10) working days advance notification to the KO when VTE is ready for testing and certification for coordination with the Government provided inspector.</p> <p>The Contractor shall submit the Inspection and Test Report for Vertical Transportation Equipment (VTE) per Section F.</p> <p>The VTE system description is provided in J-1502000-20.</p> <p>The date of last inspection will be provided during Phase-in.</p>	<p>Notification of repair work necessary to maintain certification is reported to the Government within one hour of identification.</p> <p>Inspection and testing of VTE performed and completed in accordance with the inspection and testing program and schedule.</p> <p>VTE is ready for inspection and certification prior to inspector arrival.</p> <p>VTE is promptly returned to service upon issuance of certification.</p>
3.3.4	Boilers and UPVs	The Contractor shall provide an IMP for Boilers, UPVs, and associated equipment to ensure they are safe, fully functional, and operational.	<p>The IMP shall illustrate the Contractor's approach to operation, maintenance, repair, inspection, testing, certification, and boiler water testing and treatment services.</p> <p>Boiler and UPV systems description is provided in J-1502000-21.</p>	

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			The date of last inspection will be provided during Phase-in.	
3.3.4.1	Boiler and UPV Operation, Maintenance, and Repair.	The Contractor shall operate, maintain, and repair boilers, UPVs, and associated equipment to ensure proper operation, to minimize breakdowns, and to maximize useful life.	<p>The Contractor shall comply with minimum attendance requirements as specified in Section 3150 of NAVFACINST 11300.37, Energy and Utilities Policy Manual.</p> <p>Boilers and UPVs are maintained in accordance with UFC 3-430-07 and UFC 3-410-01.</p>	<p>Maintenance is accomplished in accordance with Contractor's IMP and work schedule.</p> <p>Operates on demand as designed.</p>
3.3.4.2	Boiler Water Testing and Treatment Services	The Contractor shall provide and implement a boiler water testing and treatment program to ensure optimum equipment operation and to maximize useful life.	<p>The Contractor shall test and treat boiler water in accordance with equipment manufacturer's specifications, UFC 3-430-07, and NAVFACINST 11300.37</p> <p>The Contractor shall maintain boiler water within the limits specified in Section 3120 of NAVFACINST 11300.37.</p> <p>The Contractor shall submit boiler water treatment test reports.</p> <p>For hot water boilers with capacities exceeding 5 MBTU(H) and steam boilers with capacities exceeding 0.4 MBTU(H), samples of feedwater, boiler water, and condensate shall be tested and certified monthly by an independent laboratory for simultaneous comparison with Contractor analyses in accordance with UFC 3-430-07.</p>	<p>Sampling and testing is accomplished in accordance with the Contractor's program and schedule.</p> <p>Test results confirm that boiler water meets the chemical residual limits specified in Section 3120 of NAVFACINST 11300.37.</p>
3.3.4.3	Boiler and UPV Testing, Inspection, and Certification	The Contractor shall clean, prepare, and operate boilers and UPVs to support certification.	<p>The Contractor shall submit a boiler and UPV testing, inspection, and certification schedule to the Government within 30 days of contract award, and annually thereafter.</p> <p>The Contractor shall prepare boilers and UPVs for testing, inspection, and certification in accordance with the National</p>	<p>Testing, inspection, and certification of boilers and UPVs performed and completed in accordance with the Inspection, Testing, and Certification Program and Schedule.</p>

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			<p>Board of Boiler and Pressure Vessel Inspectors Code, UFC 3-410-01, and UFC 3-430-07.</p> <p>The Contractor shall immediately void any boiler inspection safety certificates upon the discovery of a safety deficiency regardless of the expiration date on the certificate. The certificate will again be valid only after the deficiency has been corrected by the Contractor and the boiler has been re-certified.</p> <p>The Contractor shall thoroughly clean and prepare the system boilers and UPVs for testing and certification.</p> <p>The Contractor shall return boilers and UPVs to service upon issuance of certification.</p> <p>The Contractor shall refrain from operating a boiler or UPV without a valid NAVFAC inspection certificate.</p> <p>The Contractor shall perform all certification testing in the presence of the Government Certified Boiler Inspector.</p> <p>The Contractor shall provide ten (10) working days advance notification to the KO when boilers and/or UPVs are ready for testing and certification for coordination with the Government provided inspector.</p> <p>The Contractor shall assist the Certified Boiler Inspector in performing the testing for certification.</p> <p>The Contractor shall notify the Government when equipment is ready for testing and certification.</p>	<p>Boilers and UPVs are ready for inspection prior to inspector arrival.</p> <p>Boilers and UPVs are promptly returned to service upon issuance of certification.</p>

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>The Contractor shall maintain files of inspection reports and inspection certificates</p> <p>The Contractor shall provide files for Government review and inspection when requested.</p>	
3.3.5	Pool Equipment	The Contractor shall provide an IMP for Pool equipment to ensure proper operation, to minimize breakdowns, and to maximize useful life.	<p>Pool equipment systems description is provided in J-1502000-22.</p> <p>The Contractor's IMP shall comply with all OEM requirements and standards. Where the word should is used by the OEM, substitute the word shall.</p>	<p>Maintenance is performed in accordance with Contractor's IMP and work schedule.</p> <p>Equipment operates as designed per OEM standards.</p>
3.3.6	Compressed Air Systems	The Contractor shall provide an IMP for compressed air systems and associated equipment to ensure proper operation, to minimize breakdowns, and to maximize useful life.	<p>Compressed air systems description is provided in J-1502000-23</p> <p>The Contractor's IMP program shall be developed based on UFC 3-430-07, MO-206, Maintenance and Operation of Air Compressor Plants, MO-209, Maintenance and Operation of Steam, Hot Water, and Compressed Air Distribution Systems, for applicable systems and components, OEM requirements and standards, equipment manufacturer's recommendations and commercially accepted practices.</p> <p>Maintenance shall comply with all OEM requirements and standards, equipment manufacturer's recommendations and commercially accepted practices.</p>	<p>Maintenance is performed in accordance with Contractor's IMP and work schedule.</p> <p>Equipment and systems operate as designed and in accordance with OEM standards.</p>
3.4	Inspection, Testing, and Certification Program	The Contractor shall provide inspection, testing, and certification services to ensure they are safe, fully functional, and operational.	<p>The Contractor shall develop an inspection, testing, and certification program</p> <p>The Contractor shall submit an inspection, testing, and certification program summary report per Section F.</p> <p>The Contractor shall submit an inspection, testing and</p>	<p>All certifications are current.</p> <p>Testing, inspection, and certification services performed and completed in accordance with the inspection, testing, and certification</p>

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			<p>certification schedule and a copy of all the equipment certifications per Section F.</p> <p>The Contractor is fully responsible for and shall perform any repairs, including replacement, discovered during inspection, testing, and certification work up to the limits identified in the individual spec items.</p> <p>Notification of repair work exceeding the applicable liability limit shall be submitted to the KO per Annex 2, Spec Item 2.14. Service orders or Non-Recurring work may be issued for repairs exceeding the applicable liability limit.</p> <p>Inspection, Testing, and Certification system descriptions are provided in J-1502000-26 and J-1502000-27.</p>	<p>program and schedule.</p> <p>Testing, inspection, and certification services performed in accordance with applicable references.</p>
3.4.1	Backflow Prevention Devices	The Contractor shall prepare, inspect, and test backflow prevention devices to ensure they are safe, fully functional, and operational, and that certification is maintained.	<p>Backflow prevention devices are provided in J-1502000-26.</p> <p>The Contractor shall comply with inspection, testing, and certification requirements of the applicable regulatory agency and UFC-3-230-02, UFC 3-601-02 Operation and Maintenance Fire Protection Systems, UG-2029-ENV, OPNAVINST 5090.1, OEM requirements, standards, and recommendations, and commercially accepted practices.</p> <p>The Contractor personnel responsible for certifying backflow prevention devices must possess applicable state and local licensing and certification requirements.</p> <p>The Contractor shall perform any repairs up to \$400 of direct materials per device inspection. For backflow preventers that are a part of IMP systems, the IMP</p>	<p>Testing, inspection, and certification of backflow prevention devices performed and completed in accordance with the inspection, testing, and certification program and schedule.</p> <p>Backflow prevention devices are certified in accordance with applicable standards and operate as designed.</p>

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			<p>limit of liability shall apply.</p> <p>Notification of repair work exceeding the inspection, testing, and certification recurring work limit of liability shall be submitted to the KO per Annex 2, Spec Item 2.14. Service orders or task orders may be issued for repairs exceeding the inspection, testing, and certification recurring work limit of liability.</p> <p>Examples:</p> <ol style="list-style-type: none"> 1) For devices not part of IMP systems: If an individual occurrence of repair requires \$450 in direct material cost, the Government may issue a service order or a task order in accordance with the non-recurring work portion of the contract for the \$50 in direct material cost that exceeds the specified repair limit of liability. 2) For devices that are a part of IMP systems, see examples included in the IMP spec item for that system. <p>The Backflow Prevention Devices include all equipment and components of the backflow prevention assembly, such as: valves, test cocks, diaphragms, strainers, fittings, etc...</p> <p>Note: Many of the backflow preventers may not be installed near floor level IAW code. The Contractor shall still test and certify these backflow devices. The Contractor shall also document code compliance issues and provide the necessary</p>	

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			documentation to the Government.	
3.4.2	Lightning Suppression and Grounding Points	The contractor shall test and provide complete identification marking of grounding points to ensure safe and proper operations.	<p>Lightning Suppression and Grounding points are provided in J-1502000-27.</p> <p>The contractor shall develop and implement a ground point inspection and testing program and submit to the KO and COR within 30 days following contract award and within two weeks of changes thereafter.</p> <p>The contractor shall test lightning suppression and grounding points per the frequencies noted in J-1502000-28.</p> <p>The contractor shall repaint the complete identification marking, including date tested and ohms measured, on all power ground points and static ground points in airfield parking aprons, hangar decks, and refueling pads each time they are tested.</p> <p>For new installations of grounding points in ordinance facilities, the grounding points shall be tested monthly for the first 12 months and then annually thereafter.</p> <p>Testing shall be conducted in accordance with NFPA 780, MIL-HDBK-419A, MIL-STD-188-124B, MIL-HDBK-274A, NAVSEA OP-5, and NASPINST 8000.5, and CNATRAINST 11130.2.</p>	Tests and identification markings are completed as specified and scheduled.
3.4.3	Fuel Storage Tanks and Gas Stations	The Contractor shall perform above ground storage tank, underground storage tank, and gas station inspections to ensure compliance with environmental	<p>The contractor shall maintain all documentation produced as a result of required inspections of all ASTs, USTs, and Gas Stations. The Contractor shall maintain one archive for NASP.</p> <p>The Contractor shall provide an annual schedule for all inspections.</p>	Inspections are performed per schedule and comply with FAC requirements.

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		standards		
3.4.3.1	Above Ground Storage Tank (AST) Inspections	The Contractor shall perform monthly tank inspections and cleaning to ensure compliance with Florida Administrative Code (FAC) 62-762.	<p>The Contractor shall ensure compliance with operating, reporting, closure, and registration requirements specified in FAC 62.762. FAC regulations shall apply to all non-regulated tanks in addition to regulated tanks.</p> <p>The Contractor shall drain, clean, and inspect all secondary tank containment areas at each inspection.</p> <p>Per FAC 62.762, the Contractor shall drain secondary tank containment areas within seven days of a rain event.</p> <p>The Contractor shall develop and use a KO approved inspection checklist and drainage log which includes the tank number, date, condition of tank, and drainage comments.</p> <p>Reports of all completed inspections shall be submitted to the KO by the end of the month.</p> <p>Refer to J-1502000-36 for tank list.</p>	<p>Inspections and reports are accomplished on schedule.</p> <p>The containment area is clean.</p> <p>Reports are complete and accurate.</p> <p>Deficiencies are properly reported within one workday of the inspection.</p>
3.4.3.2	Underground Storage Tank (UST) Inspections	The Contractor shall inspect USTs to ensure compliance with 40 CFR 280 and FAC 62-761.	<p>The Contractor shall ensure compliance with operating, reporting, registration, and closure requirements specified therein.</p> <p>The Contractor shall develop and use a KO approved inspection checklist which includes the tank number, date, and condition of tank.</p> <p>Reports of all completed inspections shall be submitted to the KO by the end of the month.</p> <p>Refer to J-1502000-36 for tank list.</p>	<p>Inspections and reports are accomplished on schedule.</p> <p>Reports are complete and accurate.</p> <p>Deficiencies are properly reported within one workday of the inspection.</p>
3.4.3.3	Gas Station Inspections	The Contractor shall monthly	The Contractor shall develop and use a KO approved	Inspections are accomplished on

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		inspect all hoses and pumps at each gas station, checking for cracks, leaks, or any other condition to preclude a spill hazard.	inspection checklist which includes the gas station location, date, and condition of pump elements. Monthly reports shall be submitted to the KO. Refer to J-1502000-37 for gas station locations.	schedule. Reports are complete and accurate. Deficiencies are properly reported within one workday of the inspection.
3.5	Other Recurring Services Program	The Contractor shall develop and implement an other recurring services program for facilities, ground structures, personal property equipment and installed equipment and systems to ensure proper operation, to minimize breakdowns, and to maximize useful life.	Other recurring services include, but are not limited to oil/water separators and grease traps, exhaust hoods and ducts, roof drains, and freeze protection plan. The Contractor shall submit an Other Recurring Services Program Summary Report per Section F.	Other recurring services are accomplished in accordance with the Contractor's program and work schedule. Services are performed in accordance with manufacturers' recommended procedures and OEM standards.
3.5.1	Oil/Water Separators and Grease Traps	The Contractor shall clean designated oil/water separators and grease traps and remove and dispose of grease, solids, oily waste, etc... to ensure they function properly.	The oil/water separator and grease trap systems description is provided in J-1502000-28. Oil/water separators shall be cleaned semi-annually, unless a different frequency is noted in J-1502000-28. Grease traps shall be emptied and cleaned monthly, unless a different frequency is noted in J-1502000-28. The Contractor shall submit to the KO a schedule for cleaning and sanitizing designated oil/water separators and grease traps within 30 days following contract award. The Contractor shall dispose of grease in accordance with environmentally approved procedures.	Grease traps are cleaned in accordance with Contractor's work schedule. Grease traps are clean and free of grease on baffles, perforated surfaces, and all other removable parts. OWS and Grease Traps function as designed. Contents of OWS and grease traps are disposed of IAW environmentally approved procedures.

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
3.5.2	Exhaust Hoods and Ducts	The Contractor shall service designated exhaust hoods and ducts and associated equipment to ensure they are clean and sanitary.	<p>The exhaust hood systems description is provided in J-1502000-29.</p> <p>Work shall include the hoods, plenums, fans, fan housing, grease removal devices, weatherproof covers and the full length of ventilating ducts. Fusible links shall be marked with the replacement date.</p> <p>Cleaning shall be accomplished semi-annually. Fusible links (approximately 2000) shall be replaced annually. The Contractor shall submit a schedule to clean designated exhaust hoods and ducts and associated equipment to the KO within 30 days following contract award.</p> <p>The Contractor shall comply with the requirements of the National Board of Fire and Underwriters and the current standards of the National Fire Protection Association, NFPA Standards 17 and 96, Chapter 8, 8-3 through 8-4.</p> <p>When service is complete, the Contractor shall remove the old sticker and attach a new one that indicates work performed, date work performed, and name of person performing work.</p>	<p>Exhaust hoods and ducts and associated equipment are cleaned and sanitized per NFPA in accordance with Contractor's work schedule.</p> <p>Fusible links replaced and marked as required.</p>
3.5.3	Roof Drains and Gutter Systems	The Contractor shall clean the roof drains and gutter systems of various buildings at NASP to prevent clogging and potential water damage.	<p>The roof drains and gutter systems description is provided in J-1502000-30.</p> <p>Roof drains and gutter systems shall be cleaned before and after the hurricane season, with the exception of the roof drains and gutter systems for facility 3757 which shall be cleaned quarterly.</p> <p>The Contractor shall clean drain covers and the surrounding roof areas and valleys and dispose of</p>	<p>Drains, gutter systems, and roof areas are cleaned in accordance with the Contractor's work schedule.</p> <p>Drains, gutter systems, and roof areas are free flowing.</p>

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
			all debris.	
3.5.4	Freeze Protection Program	The Contractor shall develop and implement a Freeze Protection Plan for each system subject to freezing to protect against damage during freezing conditions.	<p>Protection includes, but is not limited to, such services as securing equipment, draining, operation of freeze protection subsystems, insulating, use of portable heaters, etc...</p> <p>The Contractor shall submit the Freeze Protection Plan to the KO within 30 days following contract award.</p> <p>The Contractor shall implement the plan no more than 8 hrs prior to the forecasted freeze event, and systems shall be returned to normal operation within 16 hrs following the event.</p> <p>The Contractor shall be responsible for repairs that result from failure to implement the Freeze Protection Plan and may be subject to withholdings for non-accomplishment of performance objectives.</p> <p>The Contractor shall submit a report of repairs required per Section F.</p> <p>The plan shall be revised as system changes occur.</p>	<p>The Freeze Protection Plan is provided within 30 days following contract award.</p> <p>The Freeze Protection Plan is comprehensive and includes all appropriate systems.</p> <p>Repairs are completed within 48 hours after freeze.</p>
3.5.5	Exterior Lighting Systems	The Contractor shall develop and implement a program to inspect, re-lamp, and make all necessary repairs to exterior lighting systems to ensure trouble-free lighting.	<p>The exterior lighting systems description is provided in J-1502000-31.</p> <p>The Contractor shall submit a program to inspect, re-lamp, and make all necessary repairs to exterior lighting systems to the KO per Section F. The plan shall comply with CNRSE Instruction 4101.1.</p> <p>Inspection shall occur weekly.</p> <p>Repairs and re-lamping shall occur within 5 working days of inspection or notification of an outage.</p>	<p>The Contractor's exterior lighting systems program is submitted per Section F.</p> <p>Exterior lighting systems are maintained per Contractor's program and schedule.</p>

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>Lighting, fixtures and control devices attached to facilities are not included in this attachment and are not covered under this spec item.</p> <p>Lamp replacement must be done with the same size and type of lamp. Replacement lamps shall be of equal or greater efficiency as that being replaced.</p>	
3.5.6	Traffic Control Devices	The Contractor shall develop and implement a program to inspect, re-lamp, and make all necessary repairs to Traffic Control Devices to ensure continual trouble-free operation.	<p>The traffic control devices systems description is provided in J-1502000-32.</p> <p>The Contractor shall submit a program to inspect, re-lamp, and make all necessary repairs to Traffic Control Devices to the KO to validate completeness.</p> <p>The Contractor shall develop and implement a program to inspect, re-lamp, and make all necessary repairs to Traffic Control Devices to ensure continual trouble free operation. Traffic Control Devices include all mechanically and electrically interlocked ancillary parts and components of the Traffic Control Device, such as: ballast, breakers, contactors, controllers, lamps, lamp holders, LEDs, lens, switches, loop detectors etc... There is not a limit of liability associated with inspection, re-lamping, or repairing Traffic Control Devices.</p> <p>Solar Panel and battery repair/replacement is not included in this spec item. In the event these items require repair, the Contractor shall provide the KO notification and proposal per Annex 2, Spec Item 2.14. Service orders or non-recurring work task orders may be issued for these repairs.</p> <p>Performance of inspection, re-lamping, and repairs shall be</p>	<p>The Contractor's Traffic Control Devices program is submitted within 30 days following award.</p> <p>Traffic Control Devices are maintained per Contractor's incorporated program and schedule and operate as designed.</p> <p>Traffic Control Device Repairs shall be completed within three calendar days of inspection or notification of an outage.</p> <p>Traffic Control Device re-lamping shall be completed within one calendar day of inspection or notification of an outage.</p>

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
			coordinated with the Safety Department. Repairs shall be responded to within one hour of notification and continuously worked until completed.	
3.5.7	Disaster Preparedness Locker	The Contractor shall develop and implement a Disaster Preparedness Locker Management Plan.	<p>The Contractor shall submit a program to inventory and inspect materials and test equipment to ensure proper operation.</p> <p>Materials shall be inspected to ensure expiration dates have not passed.</p> <p>Equipment shall be tested to ensure proper operation and stored in accordance with manufacturer instructions. Fuel/lubricants shall be provided by the Contractor.</p> <p>The Contractor shall submit a report per Section F.</p> <p>Disaster Preparedness Locker materials and equipment list is included in J-1502000-33.</p>	<p>Inventory/Equipment startup shall occur annually in April.</p> <p>Report submitted per Section F.</p>
3.5.8	Airfield Parking Equipment Shelters	The Contractor shall develop and implement a program to clean and inspect airfield parking equipment shelters (APES).	<p>APES are provided in J-1502000-34.</p> <p>The Contractor's cleaning and inspection program shall comply with all OEM requirements and standards. Where the word should is used by the OEM, substitute the word shall.</p> <p>The Contractor shall submit a report detailing any necessary repairs to the APES per Section F. Non-Recurring work may be issued for repairs.</p>	<p>The Contractor's APES program is submitted within 30 days following award.</p> <p>APES are cleaned and inspected per Contractor's incorporated program and schedule.</p> <p>Report submitted per Section F.</p>

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4	Non-Recurring Work	Non-Recurring work may be ordered utilizing DoD EMALL/FEDMALL in accordance with Section H or on a task order in accordance with the PROCEDURES FOR ISSUING ORDERS clause in Section G. The order will specify the exact locations and types of work to be accomplished. The period of performance will be specified in each order.	Refer to Non-Recurring work ELINs for task listings, descriptions and related requirements. All periods of performance are measured from issue date of order to acceptance of the work. Performance Standards for Non-Recurring work will be the same as those in Spec Item 3 where applicable.	

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3.2.3	Security Systems and Equipment
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3.3.1	Boilers
3.3.2	Vertical Transportation Equipment (VTE)
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3.4.1	Interior and Exterior Lighting Systems
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3.4.6	Quarterly Crawlspace Inspections
4	Non-recurring Work

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Spec Item	Title	Description
1	General Information	The Contractor shall provide all labor, management, supervision, tools, material, and equipment required to perform Facility Investment services for the Bureau of Medicine and Surgery (BUMED) facilities located at Corry Station Pensacola, Florida and Naval Air Station Pensacola, Florida.
1.1	Concept of Operations	<p>The intent of 1502000 Facility Investment is to specify the requirements for Sustainment, Restoration, and Modernization (SRM) sub-functions only. The Facility Investment requirements within this sub-annex primarily consist of infrastructure sustainment and minimal restoration and modernization work. Sustainment is the maintenance and repair necessary to keep an inventory of facilities and other assets in good working order. Restoration and modernization normally consists of major rehabilitation and capital improvements that is accomplished through other Navy programs. Some major repair, minor construction and stand-alone demolition may be accomplished as part of Facility Investment.</p> <p>The Contractor shall perform maintenance, repair, alteration, demolition and minor construction on facilities and other assets, such as:</p> <p>Building and Structures</p> <ul style="list-style-type: none"> -Interior and exterior finishes -Roofing -Foundation -Structural Components -Cathodic Protection Systems -Tanks -Petroleum, Oils, and Lubricant (POL) Systems -Pipelines <p>Building Systems</p> <ul style="list-style-type: none"> -HVAC -Fire Protection -Vertical Transportation Equipment (VTE) -Intrusion Detection Systems -Duress Alarm Systems -Patient Alarm Systems -Nurse Call Systems -Bridge and Jib Cranes -Boilers (excluding Central Utility Plant Boilers) -Unfired Pressure Vessels (UPV) -Compressed Air Systems -Medical and Dental Air Systems -Medical and Dental Vacuum Systems -Central Vacuum Systems -Potable Water (including backflow prevention devices) -Wastewater -Electrical -Lightning Arrestors and Grounding Devices -Lighting Systems -Cathodic Protection Systems -Auxiliary Generator Systems (including emergency and portable generators) -Uninterruptible Power Systems (UPS) -Plaster Traps -Exhaust Hoods and Ducts -WHE

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Spec Item	Title	Description
		Miscellaneous -Signs -Fences -Food Service Equipment -Locksmith -Drainage Ditches -Monuments -Flag Poles Roads and Paved Surfaces -Traffic Control Devices -Bicycle Paths -Pedestrian/Jogging Paths -Striping -Curbs -Sidewalks -Parking Lots -Bridges -Drainage Systems -Outdoor Courts

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Spec Item	Title	Description
2	Management and Administration	
2.1	Personnel	The Contractor shall provide personnel with the qualifications, technical knowledge, experience and skills required for efficient operations within the Facility Investment function.
2.1.1	Certification, Training, and Licensing	<p>All maintenance and repair shall be performed by personnel trained and certified by the American Red Cross in Cardio-Pulmonary Resuscitation (CPR).</p> <p>All maintenance and repair shall be performed by personnel trained on Blood Borne Pathogens.</p> <p>All maintenance and repair shall be performed by personnel trained and certified by the OEM.</p> <p>Personnel inspecting, witnessing tests, preparing reports, and issuing certificates for boilers and UPVs must be qualified per UFC 3-430-07.</p> <p>Personnel maintaining, repairing, inspecting, testing, operating, or rigging WHE shall be qualified per NAVFAC P-307.</p> <p>Personnel performing inspections and tests on VTEs must be qualified per NAVFAC MO-118 and ASME A17.1.</p> <p>Personnel working on systems, equipment or components containing chlorofluorocarbons (CFCs) and/or hydro-chlorofluorocarbons (HCFCs) must be certified under an Environmental Protection Agency (EPA) approved technical certification program per OPNAVINST 5090.1 Chapter 6.</p> <p>Personnel working with or on electrical or electronic equipment must be trained and certified per NAVFAC MO-200 and U. S. Army Corps of Engineers EM-385.1.1 Safety and Health Requirements Manual.</p> <p>Personnel working on fire protection systems must be certified per UFC 3-601-02 and NFPA.</p> <p>Personnel performing work on transformers must be knowledgeable of proper procedures for handling and disposing of insulating fluid containing polychlorinated biphenyls (PCBs)</p> <p>Personnel performing work in HAZMAT/HAZWASTE must complete the HAZMAT/HAZWASTE handling course or have a minimum of one year of experience working with HAZMAT/HAZWASTE.</p> <p>Personnel performing work and obtaining test data on the cathodic protection system must be trained per UFC 3-570-06.</p> <p>All maintenance trade personnel certifying or inspecting repair or maintenance work that does not require an inspector certified by a governing directive shall be qualified at the journeyman level.</p> <p>Other specific certification and training requirements are addressed in Spec Item 3.</p>

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Spec Item	Title	Description																											
		<p>The Contractor shall ensure all personnel certification, training, and licensing is maintained current. The Contractor shall submit proof of all certification, training, and licensing requirements per Section F.</p>																											
2.1.2	Hospital Training Requirements	<p>Prior to commencement of work, Contractor personnel shall successfully complete Government provided Joint Commission and hospital orientation and training.</p> <p>Initial and recurring training records shall be maintained, and copies provided to hospital administrators, in accordance with the Joint Commission requirements. Annual recertification is required for fire safety and cardio-pulmonary resuscitation (CPR) (one half day each). Contractor personnel providing services for the Hospital Complex and its clinics, shall have, at a minimum, the following training prior to performance of any work under this contract which will be paid by the Government:</p> <ul style="list-style-type: none"> • 4 day Hospital INDOC Training (1 time) • Information Assurance Training (Annual) • Infection Control (annual) • Dust Control (Annual) • HIPAA Training (Annual) • National Patient Safety Goals (Annual) • Basic Energy Management (Annual) • DOD Spear Phishing Awareness (Annual) • Environment of Care (Annual) • Patient Communication (Annual) <p>Training records shall be maintained and copies provided to hospital administrators, in accordance with the Joint Commission and Hospital requirements.</p> <p>Recurring Joint Commission and Hospital Training Requirements is estimated at approximately 44 hours per employee annually.</p>																											
2.1.3	Core Crew Requirements	<p>As a minimum, the Contractor shall provide the following Core Crew staffing in support of BUMED recurring and non-recurring Work. Core Crew personnel assigned shall have no other duties other than those specified for BUMED. The normal call-in procedures will be utilized after normal working hours. All work performed by Core Crew shall have no additional labor cost associated with the work performed.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="5" style="text-align: center;">BUMED Core Crew Manning Requirements</th> </tr> <tr> <th style="width: 40%;"></th> <th style="width: 10%; text-align: center;">Quantity</th> <th style="width: 15%; text-align: center;">Time Manned</th> <th style="width: 10%; text-align: center;">Hours per Day</th> <th style="width: 25%; text-align: center;">Days Per Week</th> </tr> </thead> <tbody> <tr> <td>Project Manager</td> <td style="text-align: center;">1</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Material Parts Expediter/ Admin Support</td> <td style="text-align: center;">1</td> <td style="text-align: center;">07:30-16:00</td> <td style="text-align: center;">8</td> <td style="text-align: center;">Monday through Friday, except observed Federal holidays</td> </tr> <tr> <td>HVAC Technician</td> <td style="text-align: center;">2</td> <td style="text-align: center;">07:30-16:00</td> <td style="text-align: center;">8</td> <td style="text-align: center;">Monday through Friday, except observed Federal holidays</td> </tr> </tbody> </table>			BUMED Core Crew Manning Requirements						Quantity	Time Manned	Hours per Day	Days Per Week	Project Manager	1				Material Parts Expediter/ Admin Support	1	07:30-16:00	8	Monday through Friday, except observed Federal holidays	HVAC Technician	2	07:30-16:00	8	Monday through Friday, except observed Federal holidays
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Spec Item	Title	Description				
		Master Plumber	1	07:30-16:00	8	Monday through Friday, except observed Federal holidays
		Electrician	2	07:30-16:00	8	Monday through Friday, except observed Federal holidays
		Carpenter	2	07:30-16:00	8	Monday through Friday, except observed Federal holidays
		Painter (Maintenance)	1	07:30-16:00	8	Monday through Friday, except observed Federal holidays
		General Maintenance Worker	2	07:30-16:00	8	Monday through Friday, except observed Federal holidays
		<p>The Contractor shall provide adequate numbers of journeymen level and technician level maintenance personnel staffing for the hospital complex and clinics in order to provide the services required by this contract in a timely manner. It is the intent for the Contractor to provide an adequate mixture and number of trade’s personnel to perform the historical baseline of the workload within a standard 40 hour work-week. The baseline of the workload is the combination of effort found within Annex 1502000 recurring and non-recurring Work. Note that future workloads, command necessities and unforeseen situations may require overtime to accomplish tasks within a timely manner.</p> <p>During normal working hours the core crew shall respond to requirements via telephone, service call desk and pagers. The weekend / holiday first shift and second and third shift personnel shall respond to urgent or emergency calls via a duty pager.</p>				
2.1.4	NHOS Work Hours, Duty Hours, and Staffing	<p>For the NHOS compound (excluding Building 2270), the Contractor shall assign work shifts to provide continuous staffing from 0700-2200 (duty hours), seven days per week, each week of the contract. Saturdays, Sundays, and holidays typically require only one Contract employee who is capable of performing a variety maintenance/repair tasks for each shift. NHOS assigned employees cannot be the same personnel as those assigned to Building 2270. A minimum of eight dedicated employees shall be required on-site at NHOS to support this annex. The regular Contractor employee work period shall be 0700-1600 (work hours). Additionally, one employee shall be on duty from 1400-2200 Monday through Friday and one employee shall be assigned to each shift (0700-1600 and 1400-2200) weekends and holidays. Three employees shall be continuously on duty 24 hours per day during periods of hurricane condition of readiness (COR) 2. Personnel assigned to NHOS shall be experienced in hospital facility maintenance and facilities support equipment.</p>				
2.2	Special Requirements					

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Spec Item	Title	Description
2.2.1	Work Reception	The Contractor shall provide the capability to receive, prioritize, correspond, and respond to trouble/service orders and task orders during Government regular working hours and provide a point of contact at a local or toll free number who can perform the above function during other than Government regular working hours.
2.2.2	BUMED's Computerized Maintenance Management Systems (CMMS)	The Contractor shall provide completed work order and asset data for entry in the Defense Medical Logistics Standard Support (DMLSS) CMMS.
2.2.3	Workmanship and Material Standards	<p>The Contractor shall be responsible for maintaining all facilities, systems, and equipment, identified in this technical sub-annex, to a standard that prevents deterioration beyond that which results from normal wear and tear and corrects deficiencies in a timely manner to assure full life expectancy of the facilities, systems, and equipment. Best commercial practices shall be applied in the performance of work. All work shall be completed per approved and accepted industry and equipment manufacturers' standards and shall comply with building and safety codes, applicable activity, local, state, and federal regulations, and other technical requirements identified within this technical sub-annex.</p> <p>Workmanship for maintenance and repair shall include all work necessary to complete facility and system restoration, including touch-up painting and operational checks. Upon completion of work, the Contractor shall ensure all facilities, systems, and equipment are free of missing components or defects which would affect the safety, appearance, or habitability of the facilities and structures or would prevent any electrical, mechanical, plumbing or structural system from functioning in accordance with design intent. Repairs shall be made in accordance with the manufacturers' specifications and guidelines, and standard building codes. The quality of repairs shall meet the applicable standards and shall prevent any malfunction reoccurrences caused by poor workmanship or other contractor inadequacies. The quality of the repaired areas shall be fully compatible with adjacent surfaces or equipment. Except where otherwise specified, replacements shall match existing in dimensions, finish, color, design, and functionality and shall have an appearance similar to the original finished appearance with only minor unobjectionable deterioration resulting from normal use.</p> <p>The Contractor shall not allow debris to spread unnecessarily into adjacent areas nor accumulate in the work area. All such debris, excess material, and parts shall be cleaned up and removed at the completion of the job and at the end of each day work is in progress. Upon completion of work, any stains and other unsightly marks shall be removed.</p>
2.2.4	Historical Preservation	Buildings and facilities designated as historical sites shall be maintained in accordance with Federal, state and local historical policies and regulations.
2.3	Environmental Compliance	The Contractor shall comply with all applicable federal, state, and local regulations, policies, and instructions in accordance with Annex 0200000 Management and Administration. The Contractor shall coordinate with the Installation Environmental Program Manager (IEPM) and Naval Hospital Environmental Manager to ensure compliance with installation and Naval Hospital environmental instructions.

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
3	Recurring Work	The Contractor shall maintain, repair and alter facilities, systems, equipment and other assets to ensure they are fully functional and in normal working condition.	<p>The Contractor shall develop, implement and execute Service Order; Preventive Maintenance Program; Inspection, Testing and Certification Program; and Other Recurring Services Program to maintain and repair facilities, systems, equipment and other assets .</p> <p>Prior to the performance of work that requires a device or system (i.e., medical gas, monitor equipment, data centers, etc.) to be taken out of service or that impacts the normal functioning of that device or system, the Contractor shall notify the Hospital or Clinic Maintenance Point of Contact at least 10 days in advance to obtain authorization to perform that work.</p> <p>The Contractor shall maintain all maintenance, repair, and alteration data and warranty records in the technical library and CMMS in accordance with Annex 2.</p> <p>The current list of facilities is provided in J-1502000-01BUMED.</p>	Facilities, systems, equipment and other assets are in normal working condition and function properly in accordance with specified standards.
3.1	Service Orders	The Contractor shall perform service order work in a timely manner, to ensure all Government requests are completed as required and to ensure facilities, systems, equipment and other assets are in a safe, in normal working condition and function properly in accordance with specified standards.	<p>The Contractor shall receive service orders in accordance with the work reception requirements in Annex 2.</p> <p>The Contractor shall schedule and perform service orders in a way that minimize disruptions to customers and Government operations.</p> <p>The Contractor shall perform service orders to accomplish any work identified within the entire boundary of the installation.</p> <p>Service orders will include a wide variety of work. BUMED historical service call data is</p>	<p>Service order work is responded to and completed within the specified time.</p> <p>Facilities, systems, and equipment are restored to normal working condition, including recertification if applicable.</p> <p>When repair is complete the facility, system, or equipment does not present danger to personnel or</p>

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>provided in J-1502000-20BUMED. Historical service call data associated with contracts prior to this solicitation may present data that may not be representative of requirements specified. The Government makes no warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of the historical service call data.</p> <p>The Contractor shall maintain sufficient materials and equipment on hand to support service order work requirements. Lack of availability of material or equipment will not relieve the Contractor from the requirement to complete service order work within the time limits specified.</p> <p>The Government may combine multiple repair requirements received for the same trade in the same building or structure at the same time into one service order as long as the service order threshold is not exceeded.</p> <p>As part of the service order, the Contractor has full responsibility for any work up to Recurring Work limits of liability of 32 direct labor hours and/or \$2,500 in direct material cost per service order. Contractor is responsible for work up to Recurring Work limit of liability for both direct labor and direct material cost per service order. See examples below.</p> <p>Three examples of service orders exceeding the Recurring Work limit of liability:</p> <ol style="list-style-type: none"> 1. If a service order requires 33 direct labor hours and \$2,500 in direct material cost, the Government may issue a task order in accordance with the 	equipment.

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>Non-recurring Work portion of the contract for the one direct labor hour that exceeds the Recurring Work limit of liability.</p> <p>2. If a service order requires 32 direct labor hours and \$2,600 in direct material cost, the Government may issue a task order in accordance with the Non-recurring Work portion of the contract for the \$100 in direct material cost that exceeds the Recurring Work limit of liability.</p> <p>3. If a service order requires 33 direct labor hours and \$2,600 in direct material cost, the Government may issue a task order in accordance with the Non-Recurring Work portion of the contract for the one direct labor hour and \$100 in direct material cost that exceeds the Recurring Work limit of liability.</p> <p>The limit of liability for service orders includes only direct material and direct labor. The government will not be responsible for reimbursement of any other associated cost as part of the service order limit of liability.</p> <p>The Contractor shall notify the KO upon identification that the service order will exceed the liability limits specified above in accordance with reporting requirements in Annex 2. If Non-Recurring work is issued to complete the repairs, the Government will only pay for the portion of direct labor and/or direct material that exceeds the service order limits.</p> <p>Contractor will receive payments for completed service orders.</p>	

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>The contractor will not receive payment on incomplete service orders and service orders not issued. Unused and incomplete service orders will be deducted at the contractor's unit prices identified in the ELINs, J-0200000-13 annually.</p> <p>The Contractor shall submit a monthly summary of completed service orders per Section F.</p> <p>The Contractor shall provide a weekly report of all closed, completed, and cancelled service orders. This report shall include closure dates and final total costs of calls. The Contractor shall provide a monthly report of all open service orders; this report shall include the current status, current costs, with the full text of any technicians' comments on the service order. Reports shall be delivered in Microsoft Excel format.</p>	
3.1.1	Emergency Service Orders	The Contractor shall perform emergency service order work in a timely manner.	<p>The Contractor shall perform emergency service orders 24 hours a day, seven days a week throughout the contract period.</p> <p>The Contractor shall respond to emergency service orders with the appropriate service personnel and equipment to commence work immediately.</p> <p>Duty personnel are responsible for responding in fifteen minutes to hospital complex related problems affecting patient care and issues deemed emergency by the hospital staff during duty hours.</p> <p>The Contractor shall remain at the work site until the emergency has been arrested.</p> <p>Once the emergency is arrested, the Contractor shall complete follow-on work required to</p>	<p>Emergency service orders responded to within 15 minutes of receipt of call for NHOS complex during duty hours.</p> <p>Emergency service orders responded to within one hour of receipt of call for all other BUMED facilities and calls received after duty hours.</p> <p>Emergency service orders are arrested within 24 hours of receipt of call.</p> <p>Work is continued without interruption until emergent condition is arrested.</p>

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			repair/restore the facilities, ground structures, personal property equipment, installed equipment, systems, or other assets to safe, normal working condition verify that it functions properly.	Follow-on work required to repair/restore facilities, ground structures, personal property equipment, installed equipment, systems, or other assets to a safe, normal working condition and verify proper function is completed within five calendar days.
3.1.2	Urgent Service Orders	The Contractor shall perform urgent service order work in a timely manner.	The Contractor shall perform urgent service orders without extended delay.	Urgent service orders are completed within five working days.
3.1.3	Routine Service Orders	The Contractor shall perform routine service order work in a timely manner.	Performance of routine service orders is not required outside of Government regular working hours.	Routine service orders are completed within 30 calendar days.
3.2	Preventive Maintenance (PM) Program	The Contractor shall develop and implement a PM program for facilities, systems, equipment and other assets to ensure proper operation, to minimize breakdowns, and to maximize useful life.	<p>The Contractor shall develop and submit a PM program per Section F.</p> <p>The attachments for this annex describe systems in much greater detail than any other annex in this specification. While this detail is provided to assist with Contractor’s understanding of the systems, it is not all inclusive and all components of the systems shall be maintained. The higher level systems descriptions provided in other annexes shall not be construed to indicate that these components are not integral parts of those systems as well.</p> <p>The Contractor is fully responsible for and shall perform any repairs, including replacement, discovered during</p>	<p>Maintenance is accomplished in accordance with the Contractor’s PM program and work schedule.</p> <p>PM is performed in accordance with manufacturers’ recommended procedures and OEM standards.</p>

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			<p>scheduled maintenance work up to a total of \$400 per occurrence in direct material and labor cost under recurring work portion of the contract. Incidental repairs work performed under maintenance are not considered a service order.</p> <p>Notification of urgent repair work exceeding the PM limit shall be submitted to the KO within two hours of identification. Notification of routine repair work exceeding the PM limit shall be submitted to the KO within two days of identification. Notifications of either type of repair discovered on a PM shall be accompanied by a cost estimate for the repair. Service Orders or Non-recurring work orders may be issued for repairs exceeding the PM limit of liability.</p> <p>Example of exceeding the PM limit of liability: If an individual occurrence of incidental repair requires \$450 in direct labor and/or direct material cost, the Government may issue a service order or a task order in accordance with the non-recurring portion of the contract for the \$50 in direct labor and/or direct material cost that exceeds the incidental repair PM limit of liability.</p> <p>The Contractor shall not use breakdown maintenance as part of the PM program.</p> <p>The PM program shall provide an economical approach, manufacturers' recommended procedures, OEM standards, and maintenance required to satisfy equipment warranties and keep facilities, systems, equipment and other assets in a normal working condition.</p>	

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			<p>Excessive or repeated system or equipment breakdowns or deficiencies may indicate the need to adjust or modify the Contractor’s PM program. These changes will be made at no additional cost to the Government.</p> <p>Prior to the 15th of each month, the Contractor shall submit the next month’s PM schedule. The PM schedule shall include date the PM was last accomplished. A similar report shall be generated for each installation and shall include a request for any needed equipment outages.</p> <p>The Contractor shall submit a report for the previous month of PM activity. At a minimum this report will indicate any unaccomplished PMs and the status of all equipment checked and any needed follow on repairs. The completed report should be organized by installation, then by facility number, then by system or device being PMd. Incomplete or PMs that identify repairs (made or needed) should be highlighted to clearly call attention to them. Each occurrence of PM shall be documented on a form approved by the Facilities Department at the Hospital. PM documentation shall be unique to the device receiving service and include all OEM recommendations and all required PM points as specified in this annex.</p> <p>The Contractor shall record gauge readings on the systems with gauges and on/off conditions must be noted on systems without gauges every eight hours. Log entries will be on forms approved by the</p>	

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			Government.	
3.2.1	HVAC and Refrigeration Systems	The Contractor shall maintain HVAC and refrigeration systems to ensure proper operation, to minimize breakdowns, and to maximize useful life.	<p>The HVAC and refrigeration systems are included in J-1502000-02BUMED.</p> <p>Temperature and humidity settings for HVAC and refrigeration systems shall be maintained as specified in ANSI/ASHRAE/ASHE Standard 170.</p> <p>Prior to the performance of work that requires a device or system to be taken out of service or that impacts the normal functioning of that device or system, the Contractor shall notify the Hospital or Clinic Maintenance Point of Contact to obtain authorization to perform that work.</p> <p>HVAC systems commence at the utility isolation point of connection and terminate at the point of delivery to the building environment and include all supplies, returns, and make up air. The system provides clean conditioned air and encompasses all associated and ancillary equipment (components), such as: water and air cooled chillers, fans, louvers, dampers, water and steam boilers, heating and cooling coils, UV lamps, elements, controls, devices, parts, media, and filters, including High Efficiency Particulate Air (HEPA) type and high efficiency filters, needed to ensure proper system operation.</p> <p>Air filters shall be low pressure drop, 100% synthetic media, rigid plastic housing, throw-away filters of appropriate sizes and quantities for each air handling unit. Initial filter pressure drop of 2" MERV 8, 4" MERV 14 & 12" MERV 14 filters shall be 0.24", 0.23" and</p>	<p>Maintenance is performed in accordance with Contractor's PM program and work schedule.</p> <p>Repairs within the PM limit are accomplished prior to PM completion.</p> <p>HVAC and refrigeration systems are maintained at the required temperature.</p> <p>HVAC and refrigeration systems are in compliance with environmental regulations.</p> <p>AHU pre filters replaced during monthly, quarterly, semi-annual and annual PM.</p> <p>AHU and duct mounted Final or HEPA filters replaced as required.</p> <p>UV lamps replaced annually.</p> <p>Auto Lubers replaced annually.</p> <p>Notification of repair work exceeding the PM limit is submitted to the KO within the specified time limit.</p>

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			<p>0.19” respectively at 500 FPM face velocity. Pre-filters/primary filters shall be changed monthly. Outside Air filters may require more frequent changing at the mechanics discretion. Final filters/box filters and HEPA filters shall be changed when the pressure drop exceeds the OEM recommended dirty pressure drop, or annually, whichever is more frequent.</p> <p>UV lamps shall be changed annually with 2 year service life luminaires that degrade no more than 20% during the service life. Spent lamps shall be replenished with used lamps whenever found not operational during any other AHU PM. Provide UVC lamps of the very high output, HVAC type. The lamps shall be hot cathode, T5 (15mm) diameter, and medium pin type. They shall produce 95% of their energy at 254 nm and be capable of producing the specified output at airflow velocities to 1000 fpm at temperatures of 35 - 170° F. UVC lamps shall produce no ozone or other secondary contamination. The UVC fixture shall have a high efficiency electronic power source of 115/1/60 and shall be UL listed to comply with UL Standard 1995.</p> <p>Bearing Auto Lubers shall be replaced on an annual basis in all AHU’s where Auto Lubers are installed.</p> <p>Contractor shall maintain systems per manufacturer’s recommendations, Division 23 Heating, Ventilating, and Air Conditioning of the Unified Facilities Guide Specifications (UFGS), National Fire Protection Association (NFPA) for Health Care Facilities, Center</p>	

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			<p>for Disease Control, Air Quality Requirements, 29 CFR, and current American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE) standards, ASME Sections VI, VII, ANSI B31.1, and the National Board of Boiler Inspectors Codes.</p> <p>The Contractor shall not vent or otherwise dispose of any ozone-depleting refrigerant in a manner that will permit its release into the environment. These refrigerants shall be captured and recycled in accordance with all Federal, state, and local HVAC environmental regulations</p>	
3.2.1.1	HVAC Digital Control Systems	The Contractor shall perform PM for digital controls.	<p>Direct Digital Control (DDC) Systems are included in J-1502000-03BUMED.</p> <p>The Contractor shall perform annual PM and calibration of all control devices and sensors by OEM certified technicians. The Contractor shall place each control device in every mode of operation and verify proper operation and sequencing of all fans, drives, dampers, valves, and devices.</p> <p>The Contractor shall perform monthly backups for all DDC control panels and workstations by OEM certified technicians.</p> <p>The Contractor shall provide 16 hours of system training per quarter and quarterly software and firmware updates from OEM manufacturers.</p> <p>The Contractor shall replace all defective sensors within fourteen (14) calendar days of discovery or notification by DDC operator.</p> <p>If a needed repair is identified during the course of PM, notify</p>	<p>PM is accomplished per the Contractor's program and work schedule.</p> <p>Repairs within the PM limit are accomplished prior to PM completion.</p> <p>Notification of repair work exceeding the PM limit is submitted to the KO within the specified time limit.</p>

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			the COTR immediately with details of the needed repair.	
3.2.1.2	HVAC Water Treatment Services	The Contractor shall provide and implement a HVAC Water Testing and Treatment Program to ensure optimum equipment operation and to maximize useful life.	<p>The Contractor shall develop a HVAC Water Testing and Treatment Program for water-cooled chillers and cooling towers per original equipment manufacturers specifications and ASHRAE standards for applicable equipment. The Contractor shall submit the HVAC Water Testing and Treatment Program within 30 days following contract award to the KO to validate completeness.</p> <p>Additionally, the Contractor shall treat water in heating systems whether closed or open loop. Test results to confirm that heating water meets the chemical residual limits per the Contractor’s HVAC Water Testing and Treatment Program.</p>	<p>Sampling and testing is accomplished per the Contractor's program and schedule.</p> <p>Test results confirm that cooling or chilled water meets the chemical residual limits per the Contractor’s HVAC Water Testing and Treatment Program.</p>
3.2.1.3	Freeze Protection	The Contractor shall provide an effective freeze protection program to ensure no damage to HVAC Systems.	<p>The Contractor shall implement freeze protection for heating/cooling coils and associated equipment (pumps, piping, towers, other), which may be susceptible to freezing.</p> <p>The Contractor shall monitor ambient temperatures to determine need for implementing freeze protection.</p>	<p>Freeze protection is accomplished per the Contractor's program and schedule.</p> <p>No damage to HVAC system occurs as a result of freezing.</p>
3.2.2	Boiler Systems	The Contractor shall perform maintenance on boilers and associated equipment to ensure proper operation, to minimize breakdowns, and to maximize useful life.	<p>The boiler systems are included in J-1502000-04BUMED.</p> <p>The Contractor personnel working on boilers, UPVs and associated systems must possess a current state license from Florida, as applicable to the site of the work.</p> <p>The Contractor shall comply with minimum attendance requirements as specified in Section 3150 of NAVFACINST 11300.37, Energy and Utilities Policy Manual.</p> <p>The Contractor’s PM program</p>	<p>Maintenance is performed in accordance with Contractor’s PM program and work schedule. Repairs within the PM limit are accomplished prior to PM completion.</p> <p>Notification of repair work exceeding the PM limit is submitted to the KO within the specified time limit.</p>

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			<p>shall include performance of annual boiler overhaul, including repairs necessary for certification, as specified in Chapter 8 of UFC 3-430-07, Operations and Maintenance: Inspection and Certification of Boilers and Unfired Pressure Vessels.</p> <p>Water testing and treatment for boilers shall comply with Spec Item 3.2.1.2. All work on boilers and hydronic heating systems shall be performed in compliance with NAVFAC MO-324.</p>	
3.2.2.1	Boiler Systems Operation and Maintenance			
3.2.2.2	Boiler Water Testing and Treatment Services	The Contractor shall provide and implement a Boiler Water Testing and Treatment Program to ensure optimum equipment operation and to maximize useful life.	<p>The Contractor shall develop a Boiler Water Testing and Treatment Program per equipment manufacturer’s specifications and the Unified Facilities Guide Specifications (UFGS) for applicable equipment.</p> <p>The Contractor shall submit the Boiler Water Testing and Treatment Program within 30 days following contract award to the KO to validate completeness.</p> <p>The Contractor personnel working on boilers and associated systems must possess a current state license from Georgia or Florida, as applicable to the site of the work.</p> <p>Boiler water shall be maintained within the limits specified in the Unified Facilities Guide Specifications (UFGS).</p> <p>For hot water boilers with capacities exceeding 5 MBTU(H) and steam boilers with capacities exceeding 0.4 MBTU(H), samples of feedwater, boiler water and</p>	<p>Sampling and testing is accomplished per the Contractor's program and schedule.</p> <p>Test results confirm that boiler water meets the chemical residual limits specified in the Unified Facilities Guide Specifications (UFGS).</p>

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			condensate shall be tested and certified monthly by an independent laboratory for simultaneous comparison with Contractor analyses.	
3.2.3	Security Systems and Equipment	The Contractor shall perform PM on security systems and equipment in designated areas to ensure proper operation, to minimize breakdowns, and to maximize useful life.	<p>The security systems equipment is included in J-1502000-05BUMED.</p> <p>Security systems and equipment include but are not limited to interior and exterior surveillance systems, intrusion detection systems (IDS), alarm systems, access control systems, patient security systems, infant security systems, residential security equipment, and other security and detection devices.</p> <p>Duress and intrusion alarms shall receive quarterly PM to include functional test to verify notification at Hospital Security.</p> <p>The Contractor shall perform a functional test on the infant security system monthly and document results on a form approved by the hospital. The Contractor shall certify the infant security system annually. The annual certification shall be performed by OEM certified personnel.</p> <p>Maintenance shall comply with all OEM requirements and standards. The systems listed have components, software, programming and access codes that are proprietary in nature. All maintenance and repair to these systems shall be conducted by personnel OEM trained and certified on the system which they are working. The Contractor is responsible for obtaining security clearances as required.</p>	<p>PM is accomplished per the Contractor's program and work schedule.</p> <p>Repairs within the PM limit are accomplished prior to PM completion.</p> <p>Notification of repair work exceeding the PM limit is submitted to the KO within the specified time limit.</p> <p>Duress and intrusion alarm test results submitted to Hospital Facilities within one (1) week of test completion.</p>
3.2.4	Emergency Generator Systems	The Contractor shall perform PM on emergency	The emergency generator systems are included in J-1502000-06BUMED.	PM is accomplished per the Contractor's

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		generator systems to ensure proper operation, to minimize breakdowns, and to maximize useful life.	<p>All maintenance and repair services on electrical generating systems shall be performed by personnel trained and certified by the Contractor to provide these services. Within 30 days of award, this training program is to be submitted for review / approval by the government.</p> <p>Emergency Generator systems commence at all utilities' isolation points of connection and terminate at the point of delivery of generated power to the structure. The system shall deliver electrical power as intended, and shall encompass the generating equipment and all associated equipment (components) such as electric breakers, control panels, fuel tanks and fuel delivery components, valves, wiring, pumps, tanks, switches, controls, up to the delivery point to the structures' electrical panel.</p> <p>Maintenance shall comply with all OEM requirements and standards.</p> <p>The Contractor's PM program shall include periodic startup, run and load test of all emergency generators to ensure operability.</p> <p>The generators at the hospital are to be run under load weekly and shall be load bank tested every 3 years. The generators at other buildings are run tested without load monthly. All generators are load tested annually. All tests are recorded and submitted to the Hospital Facilities Department. The form for generator reporting shall be approved by the Facilities Department at the Hospital. All fuel tanks for diesel powered</p>	<p>program and work schedule.</p> <p>Repairs within the PM limit are accomplished prior to PM completion.</p> <p>Notification of repair work exceeding the PM limit is submitted to the KO within the specified time limit.</p> <p>Electrical power is provided in a timely manner to meet the demand following a power outage.</p>

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			<p>generators are to be kept at least 80% full. At no time shall a diesel powered generator be rendered inoperative due to lack of fuel.</p> <p>Emergency generators at the hospital shall be maintained and be ready to self-activate within seven seconds if normal power fails. At the hospital generators are required to respond as described 24 hours a day.</p> <p>During normal working hours, stand by generators at other facilities shall self-activate as designed. Other generators shall be activated manually within five minutes of power failure or as requested by a designated Hospital representative.</p> <p>In addition, duty personnel will ensure that generators start up and provide proper voltage in a continuous manner when required. The duty personnel shall monitor throughout operations to assure uninterrupted service, including coordination with fuels contractor for fuel delivery. Upon restoration of normal power, ensure that generator is shut down and reset for automatic operation.</p>	
3.2.5	Isolation Rooms and Clean Rooms	The Contractor shall perform PM on isolation rooms and clean room HVAC equipment to ensure proper operation, to minimize breakdowns, and to maximize useful life.	<p>The Isolation and Clean Rooms are listed in J-1502000-07BUMED.</p> <p>The Contractor's PM program shall contain provisions to maintain isolation rooms & clean rooms as identified herein. All isolation rooms are provided a test and balance of air flow on a semi-annual basis. All alarms and indicators are calibrated on a semiannual basis. The Contractor shall provide an inspection report of the test, balance of airflow and alarm and</p>	<p>Isolation rooms are maintained as specified.</p> <p>PM is accomplished per the Contractor's program and work schedule.</p> <p>Repairs within the PM limit are accomplished prior to PM completion.</p> <p>Notification of</p>

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			<p>indicator calibration to the designated Hospital representative within 10 days of completion of semiannual requirements.</p> <p>All clean rooms shall be recertified to the proper classification on a semi-annual basis. The Contractor shall provide a recertification report within 10 days of completion.</p> <p>The Contractor shall notify the designated Hospital representative within 2 hours of any uncorrected airflow or monitoring deficiency.</p>	<p>repair work exceeding the PM limit is submitted to the KO within the specified time limit.</p>
3.2.6	Food Service Equipment	The Contractor shall perform PM on food service equipment to ensure proper operation, to minimize breakdowns, and to maximize useful life.	<p>The food service equipment is included in J-1502000-08BUMED.</p> <p>The Contractor's PM program shall be developed based on manufacturers' recommended procedures and OEM standards. Where the word should is used by the OEM, substitute the word shall.</p> <p>Maintenance shall not disrupt food service operations and must be coordinated with the facility manager.</p> <p>The Contractor shall perform semi-annual and annual PM on Drinking Fountains and Coolers listed in J-1502000-08BUMED. Semi-annual PM shall include vacuuming coils and internal components, clean drains, clean strainers, check for proper operation, clean all exterior surfaces and all other requirements from the OEM operation and maintenance instructions. Annual PM shall require installing a new water filter.</p>	<p>PM is accomplished per the Contractor's program and work schedule.</p> <p>Repairs within the PM limit are accomplished prior to PM completion.</p> <p>Notification of repair work exceeding the PM limit is submitted to the KO within the specified time limit.</p>
3.2.7	Ice Machines	The Contractor shall perform PM on ice machines to	The ice machines are included in J-1502000-09BUMED.	Completed PM Report delivered to Facilities no later

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		ensure proper operation, to minimize breakdowns, and to maximize useful life and Clean and Sterilize ice machines utilized for human consumption.	The Contractor's PM shall comply with all OEM requirements and standards. Where the word should is used by the OEM, substitute the word shall.	than last day of each calendar month.
3.2.8	Fire Protection Systems	The Contractor shall perform PM for all fire protection systems, fire alarm systems, fire hydrants, and fire pumps to ensure safe, reliable, uninterrupted fire protection service.	<p>The fire protection systems are included in J-1502000-010BUMED.</p> <p>Repairs shall meet all OEM requirements and NFPA codes and standards.</p> <p>Maintenance and repair requirements shall adhere to established guidelines in UFC 3-601-02, Operations and Maintenance: Inspection, Testing, and Maintenance of Fire Protection Systems, NFPA 101.</p> <p>Repairs shall meet all OEM requirements and NFPA codes and standards.</p> <p>Fire Protection System commences at the utilities' points of connection and includes automatic sprinkler systems, wet and dry chemical systems, gaseous fire suppression systems, fire pumps, fire alarms, master street and radio transmitted signals with receivers and recorders and mass notification systems. Also includes other Fire Protection Systems such as smoke control systems and fire dampers, activated as an auxiliary function of an Alarm System and all controls, sensors, wiring, tanks, pumps, fuel systems required to operate the Fire protection systems.</p> <p>The fire alarm and protection systems listed have components,</p>	<p>PM is accomplished per the Contractor's program and work schedule.</p> <p>Repairs within the PM limit are accomplished prior to PM completion.</p> <p>Notification of repair work exceeding the PM limit is submitted to the KO within the specified time limit.</p> <p>Systems and equipment are maintained and repaired to sustain a fully functional and operable condition in accordance with OEM specifications.</p> <p>Work is accomplished per Spec Item 2.3, Workmanship and Material Standards.</p> <p>When repair is complete the facility, system, or equipment does not present any hazard or danger to personnel.</p>

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			<p>software, programming and access codes that are proprietary in nature. All maintenance and repair to these systems shall be conducted by personnel OEM trained and certified on the systems which they are working. All reports of maintenance on fire alarm and protection systems in the facilities listed within this annex shall be delivered on the form provided by the government in Section F.</p> <p>If a needed repair is identified during the course of PM, notify the COR and Hospital Facilities Staff immediately with details of the needed repair.</p>	
3.2.9	Lightning Arrestors and Grounding Devices	The Contractor shall perform maintenance in accordance with applicable directives on lightning arrestors and grounding devices to ensure proper operation, to minimize breakdowns, and to maximize useful life.	<p>The lightning arrestors and grounding devices are included in J-1502000-11BUMED.</p> <p>The Contractor shall maintain lightning arrestors and grounding devices in accordance with NFPA 780, MIL-HDBK-419A, MIL-STD-188-124B, MIL-HDBK-274A, NAVSEA OP-5, and NASPINST 8000.5.</p>	<p>Maintenance is performed in accordance with Contractor's PM program and work schedule.</p> <p>Repairs within the PM limit are accomplished prior to PM completion.</p> <p>Notification of repair work exceeding the PM limit is submitted to the KO within the specified time limit.</p>
3.2.10	Vertical Transportation Equipment (VTE)	The Contractor shall perform maintenance on VTE to ensure safe, reliable operation.	<p>The VTE systems are included in J-1502000-12BUMED.</p> <p>Date of last certification will be provided during phase in.</p> <p>The Contractor shall maintain VTE in accordance with manufacturers' recommended procedures, OEM standards, and NAVFAC MO-118, Inspection of Vertical Transportation Equipment.</p> <p>For certification that is required</p>	<p>Maintenance is performed in accordance with Contractor's PM program and work schedule.</p> <p>Repairs within the PM limit are accomplished prior to PM completion.</p> <p>Notification of repair work exceeding the PM</p>

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			<p>per ASME A17.1 due to work performed as part of the PM program, refer to the Spec Item 3.3.4 for Inspection, Testing, and Certification of VTE.</p> <p>Vertical Transportation Equipment systems commence at all utilities' isolation points of connection, and terminate at the point of delivery inside or outside the structure. The system shall provide vertical transportation as intended, and shall encompass all associated equipment (components) such as electric breakers, control panels, valves, wiring, pumps, tanks, switches, controls, cable and hydraulic components, electric motors and controls, all equipment and components inside or on the car or shaft.</p> <p>The Contractor shall notify the facility occupants prior to performing any type of work on VTEs.</p>	<p>limit is submitted to the KO within the specified time limit.</p> <p>Systems and equipment are maintained and repaired to sustain a fully functional and operable condition in accordance with OEM specifications.</p> <p>When repair is complete the facility, system, or equipment does not present any hazard or danger to personnel.</p>
3.2.11	Public Address System (PA)	The Contractor shall provide Quarterly Preventive Maintenance Public Address System (PA) to ensure continuous and reliable system operation.	<p>The PA Systems are included in J-1502000-13BUMED.</p> <p>The Contractor shall clean, adjust and perform an operational check of all PA system components, amplifiers and amplifier racks and verify each volume controls exercised throughout the Hospital, Building 2268 quarterly. The Contractor shall coordinate PMs with Hospital Facility Manager.</p> <p>The Contractor shall provide the Hospital Facility Manager a report within 5 days after PM is completed. At a minimum, the report shall include any deficiencies found and corrected or any additional work needed.</p>	<p>Work coordinated with Hospital Facility Manager.</p> <p>System components clean and operate as intended.</p> <p>Complete status report provided within 5 days.</p>
3.2.12	Nurse Call Station	The Contractor shall perform annual preventive maintenance on	<p>Nurse Call Stations are included in J-1502000-14BUMED.</p> <p>The Contractor shall PM and test</p>	PM is accomplished per the Contractor's program and work

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		Nurse Call Station systems to ensure continuous and reliable system operation.	<p>nurse call systems annually per NFPA 99, TJC and manufacturer instructions including cleaning and observing all satellite, master and power supply cabinets, transmitter and receivers, etc... The Contractor shall check for faults and errors and verify functional operation of the system.</p> <p>The Contractor shall develop a schedule and coordinate execution with the Facility Management Department.</p> <p>Create an approved checklist and submit it annually within 5 days of completion to the Hospital Facility Manager including the condition of systems and discrepancies corrected and any recommendations to improve reliability.</p>	<p>schedule.</p> <p>Equipment and components operate and cleaned as specified.</p> <p>PM checklist provided to the Hospital Facility Manager within 5 days completion.</p>
3.2.13	General Equipment	The Contractor shall provide PM services for all General Equipment at frequencies required by equipment manufacturer or as listed herein.	<p>The General Equipment is included in J-1502000-15BUMED.</p> <p>The Contractor's PM program shall be developed based on manufacturers' recommended procedures and OEM standards for plumbing fixtures, mercury recovery units, pumps, heat exchangers, heaters, water softeners, mixing valves, electrical panels, freezers, automatic doors, fire doors, fire dampers, UPS systems, etc...</p> <p>Water softener brine tanks are replenished monthly or more frequently as needed. Entire unit is PM'ed annually to include verification of all controls and functions.</p> <p>HW Mixing Valve Stations are PM'ed annually to include cleaning filters/strainers, calibrate all sensors, record electronic data on permanent media.</p>	<p>PM is accomplished per the Contractor's program and work schedule.</p> <p>Repairs within the PM limit are accomplished prior to PM completion.</p> <p>Notification of repair work exceeding the PM limit is submitted to the KO within the specified time limit.</p> <p>Systems and equipment are maintained and repaired to sustain a fully functional and operable condition in accordance with OEM specifications.</p>

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			<p>Automatic Doors shall be PM'ed quarterly.</p> <p>Fire Doors in the Hospital shall be PM'ed semi-annually.</p> <p>Fire Barrier integrity of walls, ceilings & floors shall be inspected annually.</p> <p>Fire Dampers shall be inspected & certified operational quad annually.</p>	<p>Work is accomplished per Spec Item 2.3, Workmanship and Material Standards.</p> <p>When repair is complete the facility, system, or equipment does not present any hazard or danger to personnel.</p>
3.2.14	Roof and Roof Drainage Inspection and Cleaning	The Contractor shall provide inspection and cleaning services to ensure roofs and roof drainage systems are clear of debris and dirt.	Roofs , drains, gutters, and downspouts are identified in J-1502000-16BUMED. Roof Inspection and Cleaning shall be PM'ed quarterly to identify any needed roof repairs and clear all debris and dirt from roof areas and all roof drain points of entry, gutters, and downspouts. Replace missing or damaged roof drain grilles/caps. Debris shall be bagged and placed in contractors dumpster.	PM is accomplished per the Contractor's program and work schedule. Facility Maintenance Manager shall be informed of roof repairs exceeding Limits of Liability within 10 days after PM is completed.
3.3	Inspection, Testing, and Certification Program	The Contractor shall provide inspection, testing, and certification services to ensure they are safe, fully functional, and operational.	<p>The Contractor shall develop an inspection, testing, and certification program</p> <p>The Contractor shall submit an inspection, testing, and certification program summary report per Section F.</p> <p>The Contractor shall submit an inspection, testing and certification schedule and a copy of all the equipment certifications per Section F.</p>	<p>All certifications are current.</p> <p>Testing, inspection, and certification services performed and completed in accordance with the inspection, testing, and certification program and schedule.</p> <p>Testing, inspection, and certification services performed in accordance with applicable references.</p>
3.3.1	Boilers and UPVs	The Contractor shall clean, prepare, and operate boilers and UPVs to support	The boiler and UPV descriptions are included in J-1502000-04BUMED. Date of last certification will be provided during phase in.	Testing, inspection, and certification of boilers and UPVs performed and completed in

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
		certification.	<p>The Contractor shall prepare boilers and UPV for inspection per the National Board of Boiler and Pressure Vessel Inspectors Code, UFC 3-410-06, UFC 3-430-07, and Operations and Maintenance: Inspection and Certification of Boilers and Unfired Pressure Vessels. Boiler inspection safety certificates shall be void immediately on the discovery of a safety deficiency regardless of the expiration date on the certificate. The certificate will again be valid only after the deficiency has been corrected by the Contractor and the boiler has been re-certified.</p> <p>The Contractor shall refrain from operating a boiler and/or UPV without a valid NAVFAC inspection certificate.</p> <p>The Contractor shall perform all certification testing in the presence of the Government Certified Boiler Inspector. The Contractor shall provide a 30 calendar day advance notification to the KO when boilers and UPVs will be ready for testing and certification for coordination with the Government provided inspector. The Contractor shall notify the Government when equipment is ready for testing and certification.</p> <p>The Contractor shall assist the Certified Boiler Inspector in performing the testing for certification.</p> <p>A current and valid certificate, or authorized commercial equivalent, must be posted on, or near, the equipment, under a clear protective covering as specified in Chapter 9 of UFC 3-430-07, Operations and</p>	<p>accordance with the Inspection, Testing, and Certification Program and Schedule.</p> <p>Boilers and UPVs promptly returned to service upon issuance of certification.</p> <p>Notification of repair work necessary to maintain certification is reported to the Government within one hour of identification.</p>

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>Maintenance: Inspection and Certification of Boilers and Unfired Pressure Vessels.</p> <p>Repairs identified during preparation for and conduct of inspection, testing, and certification may be accomplished as a service order or under the non-recurring work sections, as applicable.</p>	
3.3.2	Vertical Transportation Equipment (VTE)	The Contractor shall prepare, inspect, test, and operate VTE systems to support Government certification.	<p>The VTE systems are included in J-1502000-12BUMED. The date of last inspection and testing will be provided during phase in.</p> <p>Maintenance and repair shall comply with the inspection and testing criteria defined in ASME A17.1.</p> <p>The Contractor shall perform all inspections and tests for certification in the presence of a Government provided inspector.</p> <p>The Contractor shall refrain from operating VTE without a valid NAVFAC inspection certificate.</p> <p>The Contractor shall provide 10 working days advance notification to the KO when VTE is ready for testing and certification for coordination with the Government provided inspector.</p> <p>As specified in paragraph 1.2.2 of NAVFAC MO-118, Inspection of Vertical Transportation Equipment, all vertical transportation equipment shall have a valid current certificate posted in the car.</p> <p>Repairs identified during preparation for and conduct of inspection, testing, and certification shall be accomplished as a service call or</p>	<p>Notification of repair work necessary to maintain certification is reported to the Government within one hour of identification.</p> <p>Inspection, testing, and certification of VTE performed and completed in accordance with the inspection, testing, and certification program and schedule.</p> <p>VTE inspected, tested, and certified in accordance with NAVFAC MO-118.</p>

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>IDIQ work, as applicable.</p> <p>The Contractor shall submit the Inspection and Test Report for Vertical Transportation Equipment (VTE) per Section F.</p>	
3.4	Other Recurring Services Program	The Contractor shall develop and implement an other recurring services program for facilities, systems, equipment and other assets to ensure proper operation, to minimize breakdowns, and to maximize useful life.	The Contractor shall submit an Other Recurring Services Program Summary Report per Section F.	<p>Other recurring services are accomplished in accordance with the Contractor's program and work schedule.</p> <p>Services are performed in accordance with manufacturers' recommended procedures and OEM standards.</p>
3.4.1	Interior and Exterior Lighting Systems	The Contractor shall develop and implement a program to inspect, relamp, and make all necessary repairs to interior and exterior lighting systems to ensure trouble-free lighting.	<p>The interior and exterior lighting is included in J-1502000-17BUMED.</p> <p>The Contractor shall submit a program to inspect, relamp, and make all necessary repairs to interior and exterior lighting systems to the KO to validate completeness.</p> <p>The Contractor shall relamp 25% of the interior and exterior lighting fixtures annually, so that no lamps are more than four years old. All T8 fluorescent lamps shall be 4100 Kelvin, contain no more than 1.7mg of mercury, 48 inch T8 fluorescent lamps shall be 25 watt, and 24 inch T8 fluorescent lamps shall be 13 watt.</p> <p>Cleaning shall coincide with relamping.</p> <p>Relamping shall be completed as scheduled or as needed for inoperative lighting. If an interior light fixture becomes inoperative at any time the Contractor shall repair / restore</p>	<p>The Contractor's interior and exterior lighting systems program is submitted within 30 days following award.</p> <p>Relamping completed as scheduled or as required.</p> <p>Interior and exterior lighting systems are maintained per Contractor's program and schedule.</p>

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
			the light fixture to operation completing any repair needed for restoration upon notification from the Government. If exterior lighting becomes inoperative out of schedule, the Government, at its discretion may issue an emergency, urgent, or routine service order to accomplish the repair. If any light fixture becomes inoperative within 30 days after a scheduled relamping, the light fixture shall be restored to operation at no additional cost to the government. All relamping work, whether scheduled or requested by the government shall be completed within 24 hours of schedule or notification.	
3.4.2	Exhaust Fans and Ducts	The Contractor shall service designated exhaust fans and ducts and associated equipment to ensure they are clean and sanitary.	<p>The exhaust fan and duct systems are included in J-1502000-18BUMED.</p> <p>Work shall include cleaning the plenums, fans, fan housing, weatherproof covers and the full length of ventilating ducts on a semi-annual PM schedule.</p> <p>The Contractor shall submit a schedule to PM exhaust fans and to clean designated ducts and associated equipment within 30 days following award to the KO to validate completeness.</p> <p>The Contractor shall comply with the requirements of the National Board of Fire and Underwriters and the current standards of the National Fire Protection Association, NFPA Standard 96, Chapter 8, 8-3 through 8-4.</p>	<p>Exhaust fans and ducts and associated equipment are cleaned and sanitized in accordance with Contractor's work schedule.</p> <p>The Contractor's Exhaust Fans and Ducts program is submitted within 30 days following award.</p>
3.4.3	Visual and Audible Check on HVAC Systems	The Contractor shall develop and implement a program to do visual and audible checks on HVAC systems to ensure systems function	<p>The Contractor shall perform visual and audible checks on HVAC Systems.</p> <p>The purpose of the check is to verify system condition by visual and audible means, i.e., confirm that the UV lamps are</p>	<p>The Contractor's Visual and Audible Check program is submitted within 30 days following award.</p> <p>Visual and Audible</p>

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
		properly.	<p>operative, listen for unusual valve noise, motors & belts turning straight and true, condensate free flowing, etc. At each check, the technician shall initial a log book at the device thereby signifying by initial and date that the check was performed.</p> <p>Units with a cooling capacity of 5 tons up to 49 tons are to be checked on a weekly basis. Units with a cooling capacity of 50 tons and larger are to be checked on a daily basis.</p> <p>Guidelines for operation are found in manufacturer's recommendations, the Unified Facilities Guide Specifications (UFGS), National Fire Protection Association (NFPA) for Health Care Facilities, Center for Disease Control, Air Quality Requirements, 29 CFR, and current American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE) standards.</p> <p>All incidents of inoperative systems, equipment or components shall be reported within one hour of discovery.</p>	<p>Check on HVAC systems are maintained per Contractor's program and schedule.</p> <p>Reports are submitted as required.</p>
3.4.4	Electrical Receptacles	The Contractor shall develop and implement a program to inspect and make all necessary repairs to electrical receptacles to ensure they function properly.	<p>The Contractor shall test critical and emergency branch electrical receptacles in building 2268 operation room areas for correct operation, polarity, and grounding per NFPA, TJC, and manufacturer instructions annually.</p> <p>The Contractor shall replace all receptacles that do not meet test requirements.</p> <p>The Contractor shall provide written report on deficiencies found to COR within 3 days of inspection.</p>	<p>The Contractor's Electrical Receptacles program is submitted within 30 days following award.</p> <p>Electrical receptacles are maintained per Contractor's program and schedule.</p> <p>Reports are submitted as required.</p>

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>Electrical Receptacles in laboratory spaces: Test electrical receptacles for polarity and grounding integrity at all fixed receptacles in lab spaces annually. Tests to be performed per the College of American Pathologists Laboratory General Inspection checklist. Only 50 percent of outlets can be tested per day.</p> <p>The Contractor shall repair or replace all receptacles that do not meet test requirements.</p> <p>The Contractor shall provide written report on deficiencies found and corrections made to COR within 3 days of inspection.</p>	
3.4.5	Electrical Transformers, Breakers and Switches	The Contractor shall develop and implement a program to inspect, test, calibrate, and maintain all electrical transformers, breakers, and switches to ensure they function properly.	<p>The Contractor shall perform preventative maintenance, inspection, testing, and calibration on electrical transformers, breakers and switches per TJC and manufacturer instructions annually.</p> <p>Utility outages shall be scheduled after normal business hours at times of least impact to patient care and coordinated with Hospital Facilities Staff.</p> <p>The electrical transformers, breakers and switches are included in J-1502000-19BUMED.</p> <p>Testing and calibration shall be performed by an NETA certified organization and NETA certified technicians.</p> <p>The Contractor shall provide written report on deficiencies found and corrections made to COR within 3 days of inspection.</p>	<p>The Contractor's Electrical Transformers, Breakers, and Switches program is submitted within 30 days following award.</p> <p>Electrical transformers, breakers, and switches are maintained per Contractor's program and schedule.</p> <p>Electrical switches meet calibration requirements.</p> <p>Reports are submitted as required.</p>
3.4.6	Quarterly Crawlspace	The Contractor shall perform	The Contractor shall perform inspection of entire crawlspace	Quarterly inspections are

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
	Inspections	quarterly inspections of crawlspaces to ensure areas are free of debris and systems function properly.	<p>in building 2268. The Contractor shall inspect all electrical, sanitary waste piping, steam lines, storm water, and all other plumbing and provide inspection results to the Facilities Department at the Naval Hospital.</p> <p>The Contractor shall inspect, relamp, and make all necessary repairs to the crawlspace lighting systems to ensure trouble-free lighting.</p> <p>The Contractor shall designate a time for the removal and disposal of debris found in the crawlspace not to exceed two hours per occurrence.</p>	<p>completed per Contractor's schedule.</p> <p>Inspections results are reported within one week following completion of inspection.</p> <p>Debris is removed and properly disposed of as required.</p>

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
4	Non-recurring Work	Non-recurring work may be ordered utilizing DoD EMALL/FEDMALL in accordance with Section H or on a task order in accordance with the PROCEDURES FOR ISSUING ORDERS clause in Section G. The order will specify the exact locations and types of work to be accomplished. The period of performance will be specified in each order.	Refer to the Non-recurring Work ELINs for task listings, descriptions and related requirements. All periods of performance are measured from issue date of order to acceptance of the work. Performance Standards for Non-recurring work will be the same as those in Spec Item 3 where applicable.	

Section C – 1503060
Pavement Clearance

1503060 – Pavement Clearance Table of Contents	
Spec Item	Title
1	General Information
1.1	Concept of Operations
2	Management And Administration
2.1	Definitions and Acronyms
2.2	Personnel
2.3	Special Requirements
2.3.1	Work Identification
2.3.2	Communication
2.4	References and Technical Documents
4	Non-Recurring Work

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Pavement Clearance

1503060 - Pavement Clearance		
Spec Item	Title	Description
1	General Information	The Contractor shall provide all labor, management, supervision, tools, material, and equipment required to perform Pavement Clearance at PNR and NHOS.
1.1	Concept of Operations	The intent of 1503060 Pavement Clearance is to specify the requirements related to pavement sweeping.

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Pavement Clearance

1503060 - Pavement Clearance		
Spec Item	Title	Description
2	Management And Administration	
2.1	Definitions and Acronyms	Definitions and Acronyms are listed in J-1503060-01.
2.2	Personnel	The Contractor shall provide personnel with the qualifications, technical knowledge, experience and skills required to efficiently provide pavement sweeping services.
2.3	Special Requirements	
2.3.1	Work Identification	The Contractor shall identify and recommend Non-Recurring work as appropriate to the KO.
2.3.2	Communication	The Contractor shall coordinate all access to performance areas with appropriate Government authority, and be in radio contact with the controlling authority during work performance.
2.4	References and Technical Documents	References and Technical Documents are listed in J-1503060-02.

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Pavement Clearance

1503060 – Pavement Clearance				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
4	Non-Recurring Work	Non-Recurring work may be ordered utilizing DoD EMALL/FEDMALL in accordance with Section H or on a task order in accordance with the PROCEDURES FOR ISSUING ORDERS clause in Section G. The order will specify the exact locations and types of work to be accomplished. The number of Contractor working days will be specified in each ELIN.	Refer to Non-Recurring work ELINs for task listings, descriptions, and related requirements. All periods of performance are measured from issue date of order to acceptance of the work. Performance standards for Non-Recurring work will be the same as those in Spec Item 3 where applicable.	

Section C - 1601000
Utilities Management

1601000 – Utilities Management Table of Contents	
Spec Item	Title
1	General Information
1.1	Concept of Operations
2	Management and Administration
2.2	Personnel
3	Recurring Work
3.1	Utility Operations Management
3.1.1	Utility Mapping
3.1.2	Utility Outage Scheduling and Coordination
3.1.3	Meter Reading
3.1.4	Utility Escort Services
3.1.5	Freeze Protection Program
3.2	Utility Infrastructure Condition Assessment (UICAP) Support
3.2.1	Asset Management
3.2.2	Condition Assessment
3.3	SCADA Maintenance and Operation
3.3.1	SCADA Operation
3.3.2	SCADA Maintenance
4	Non-recurring Work

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Utilities Management

1601000 – Utilities Management		
Spec Item	Title	Description
1	General Information	The Contractor shall provide all labor, management, supervision, tools, material, and equipment to perform utility management services at PNR.
1.1	Concept of Operations	<p>The intent of 1601000 Utility Management is to specify the requirements for managing utility systems to include electrical, natural gas, wastewater, steam, water, and chilled water systems.</p> <p>The following services are not included in utility management:</p> <ul style="list-style-type: none"> • All components prior to the supply point of demarcation defined in subsequent annexes are considered part of the private utility system and are not included in this contract. • All components beyond the service point of demarcation defined in subsequent annexes are considered part of the facility and are included in 1502000, Facilities Investment or 1502000BUMED.

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Spec Item	Title	Description
2	Management and Administration	
2.1	Personnel	The Contractor shall provide personnel with the qualifications, technical knowledge, experience and skills required to perform utility management services.

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Utilities Management

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
3	Recurring Work	The Contractor shall provide utility management services to ensure real property infrastructure supports the mission of the warfighter.	The Contractor shall be knowledgeable of and comply with installation utility management reporting and coordination requirements.	Utility management services are performed as specified. Utility management services are completed within the specified time.
3.1	Utility Operations Management	The Contractor shall provide management services to ensure utility operations for mapping, outages and meter reading services are accurate.	As part of Utility Operations Management, the Contractor shall maintain accurate utility maps and drawings, utility outages are documented and reported, meters are accurately read and recorded.	Utility Operations Management is properly documented and updated as specified.
3.1.1	Utility Mapping and Drawing Updates	The Contractor shall maintain and update utility mapping to ensure accuracy.	<p>The contractor shall maintain the utility maps in the same format as provided by the Government.</p> <p>Any changes to utility systems shall be coordinated with the PWD Pensacola GIS Analyst a minimum of 5 working days prior to completion to ensure proper data collection and GIS update. This coordination/data collection shall occur before subsurface changes are covered, unless the change is fully identifiable via surface features (i.e. new piping, straight line, valve at both ends).</p> <p>The Contractor shall update utility system drawings as changes occur and provide updated drawings to the technical library.</p> <p>Complete, updated half size sets of utility drawings shall be provided hard copy to the Government as required in Section F.</p>	<p>Coordination with GIS Analyst is performed timely.</p> <p>Utility system drawings updated and provided as scheduled.</p>
3.1.2	Utility Outage Scheduling and Coordination	The Contractor shall schedule and coordinate utility outages to ensure	The Contractor shall receive requests for, coordinate, plan, and schedule utility outages with construction and service work	Affected customers are notified of scheduled outages within specified

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
		customer and mission operation disruptions are minimized and proper notifications are made in a timely manner.	<p>providers to minimize customer operational impact. The Contractor shall follow local outage SOP.</p> <p>The Contractor shall notify per Annex 2, Spec Item 2.6.5</p> <p>The Contractor shall monitor scheduled and unscheduled utility outages and keep affected customers informed of the outage status and time or date the interrupted utilities are anticipated to be restored.</p> <p>Historical data regarding utility outages is included in J-1601000-01.</p>	<p>time.</p> <p>Affected customers are kept notified of the outage status.</p> <p>No more than three validated customer complaints per month.</p>
3.1.3	Meter Reading	The Contractor shall read and record data from electrical, water, and steam meters in a timely manner to ensure accurate information is available for proper utility billing.	<p>The current list of meters is provided in J-1601000-02. The actual quantity of meters read monthly can vary up to 10% without a contract change.</p> <p>The Contractor shall read meters monthly to monitor and report consumption using Government provided recording system. Accurate meter readings shall be submitted to the KO or a designated Government representative within one day of the scheduled meter reading date.</p> <p>The Government will provide meter reading schedule post award. Meter reading schedule may be adjusted periodically at no additional cost to the Government.</p> <p>The Contractor shall re-read meter upon request and submit meter readings to the KO or a Government representative designated by the KO within 1 day of request, at no additional cost to the Government.</p>	<p>Accurate meter readings are submitted within one day of meter reading date, as scheduled.</p> <p>Accurate meter re-read reading submitted within 1 day of request.</p>
3.1.4	Utility Escort Services	The Contractor shall escort personnel to	The Contractor shall provide escorting service when personnel require access and/or	Personnel are familiar with the utility system.

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
		inspect and obtain information about the system for various reasons when requested.	information regarding utility systems/operations. The date, time and requested support requirement will be provided by the KO no later than 24 hours prior to the required service. Historically, there have been approximately 4 requests of 8 hours each annually.	Personnel are on site as scheduled for each utility escort.
3.1.5	Freeze Protection Plan	The Contractor shall develop and implement a Freeze Protection Plan for each system subject to freezing to protect against damage during freezing conditions.	Protection includes, but is not limited to, such services as securing equipment, draining, operation of freeze protection subsystems, insulating, use of portable heaters, etc... The Contractor shall submit the Freeze Protection Plan to the KO within 30 days following contract award. The Contractor shall implement the plan no more than 8 hrs prior to the forecasted freeze event, and systems shall be returned to normal operation within 16 hrs following the event. The Contractor shall be responsible for repairs that result from failure to implement the Freeze Protection Plan and may be subject to withholdings for non-accomplishment of performance objectives. The Contractor shall submit a report of repairs required per Section F. The plan shall be revised as system changes occur.	The Freeze Protection Plan is provided within 30 days following contract award. The Freeze Protection Plan is comprehensive and includes all appropriate systems. Repairs are completed within 48 hours after freeze.
3.2	Utility Infrastructure Condition Assessment Program (UICAP) Support	The Contractor shall provide UICAP support to ensure the program is properly documented and reported in a timely manner.	As part of the UICAP program, the Contractor shall maintain an accurate asset description and perform equipment condition assessments to support the Utility Infrastructure Condition Assessment Program (UICAP). Utilities Assets are provided in: J-1601000-03 Electrical Utility	Accurate asset description maintained. Condition assessments Support is complete and accurate as specified.

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Utilities Management

1601000 – Utilities Management				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
			Assets J-1601000-04 Natural Gas Utility Assets J-1601000-05 Wastewater Utility Assets J-1601000-06 Steam Utility Assets J-1601000-07 Water Utility Assets J-1601000-08 Chilled Water Utility Assets	
3.2.1	Asset Management	The Contractor shall provide utility asset management services to ensure the utility asset descriptions are complete and accurate.	<p>The Contractor shall maintain complete and accurate utilities asset descriptions to support UICAP.</p> <p>The Contractor shall be responsible for utilities asset description updates including adding, deactivating, and updating utilities assets.</p> <p>The Contractor shall notify the KO upon identification of utilities assets that are not included in the utility asset lists.</p> <p>Service Provider, Asset Information, Specification Information, and Characteristic Meter Reading Interfaces data shall be maintained per Annex 0200000 Spec Item 2.6.6 CMMS.</p> <p>Asset and Specification Updates are specified in the Annex 0200000 Spec Item 2.6.6 CMMS.</p> <p>Specification Attributes required for specifications are listed in J-1601000-09.</p>	<p>Utility asset descriptions are accurate and updated as required.</p> <p>KO notified of utility assets not included in the listing of assets submitted as required.</p>
3.2.2	Condition Assessment	The Contractor shall provide condition assessment services to ensure that utilities asset condition ratings are complete and accurate.	<p>The Contractor shall assess and document the condition of the utility assets.</p> <p>Condition ratings shall be maintained per Annex 0200000 Spec Item 2.6.6 CMMS.</p>	<p>Condition rating updates do not exceed 365 days.</p> <p>Condition rating data fields required in MAXIMO are complete and accurate.</p>
3.3	SCADA	The Contractor	The current SCADA Systems	Utility Systems are

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1601000 – Utilities Management				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
	Maintenance and Operation	shall efficiently operate and maintain the SCADA Systems to safely monitor and control the utilities systems such that all utility requirements are continually met.	<p>Description is provided in J-1601000-10.</p> <p>The Contractor shall shut-down, restart, and perform operational checks on all equipment affected by both scheduled and unscheduled utility outages at no additional cost to the Government.</p>	continuously, efficiently, and safely supervised and controlled to meet demand requirements.
3.3.1	SCADA Operation	The Contractor shall operate the SCADA Systems to efficiently and safely monitor and control the utilities systems to meet all demand requirements, 24 hours per day, seven days per week, throughout the contract period.	<p>Operation consists of “watch-standing” or attendance type work by a sufficient staff of qualified persons during a specified time period to ensure safe, reliable, monitoring and control the utilities systems.</p> <p>Operation of the SCADA System includes all equipment and components, such as, Computer Work stations, Programmable Logic Controllers, SCADA LAN Equipment, Printers, monitoring and control systems, and includes tasks, such as, Programmable Logic Controller (PLC) programming, configuration control, database administration, security, system back-ups, system integration, monitoring and regulation of equipment controls, maintaining operating records, logs, and reports, examination, lubrication and minor adjustment of equipment and system components.</p> <p>SCADA systems equipment and components shall be efficiently and safely operated per ANSI, ASHRAE, NEC, UFC, and NFPA Standards, OMSI, SOP 522, and other specific operating manuals, procedures, and instructions.</p> <p>The Contractor shall provide a weekly SCADA status report per section F. The SCADA status report shall indicate the current</p>	<p>SCADA equipment and components are efficiently, safely and continuously operated per operating criteria to meet demand.</p> <p>Unscheduled interruptions are minimized such that utility systems demand is met 100 percent of the time annually.</p> <p>Data quality is maintained regardless of system availability.</p>

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1601000 – Utilities Management				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>status of the SCADA system (outstanding SCADA maintenance items and repairs completed within the last week) as well as the status of any alarm/out of tolerance readings. The report shall indicate the root cause of the alarm and action taken to resolve the issue.</p> <p>The SCADA system network shall be operated in accordance with DIACAP accreditation standards.</p>	
3.3.2	SCADA Maintenance	The Contractor shall maintain the SCADA Systems at their current conditions to meet their intended purpose and sustain maximum life.	Maintenance shall cover the system defined in the SCADA System Description identified in J-1601000-10.	<p>Maintenance tasks are scheduled and performed on the SCADA Systems per the Contractor's incorporated maintenance approach.</p> <p>Unscheduled interruptions are minimized such that utility systems demand is met 100 percent of the time annually.</p>
3.3.2.1	Integrated Maintenance Program (IMP)	The Contractor shall develop and implement an IMP for the SCADA Systems to ensure all equipment and components remain in optimum condition and sustain maximum life.	<p>The Contractor shall submit an IMP to the KO to validate completeness within 30 days following award.</p> <p>IMP, inclusive of repair and replacement, shall be performed per ANSI, ASHRAE, NEC, UFC, and NFPA Standards, OMSI, SOP 522, and equipment manufacturer's recommendations and commercially accepted practices. All System malfunctions and breakdowns requiring repair or replacement shall have immediate response within one hour following Contractor discovery or Government notification and worked continuously to completion.</p> <p>As part of the IMP, the</p>	<p>IMP is accomplished per Contractor's incorporated Program and schedule.</p> <p>All repairs costing at or less than the recurring work limit of liability are responded to within one hour following Contractor discovery or Government notification and worked continuously to completion.</p>

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1601000 – Utilities Management				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>Contractor's limit of liability for each repair and replacement work occurrence is limited to 32 hours of direct labor and/or \$2,000 of direct material per occurrence. See examples below.</p> <p>Three examples of work exceeding the Recurring Work limit of liability:</p> <ol style="list-style-type: none"> 1. If a repair requires 33 direct labor hours and \$2,000 in direct material cost, the Government may issue a task order in accordance with the Non-recurring Work portion of the contract for the one direct labor hour that exceeds the Recurring Work limit of liability. 2. If a repair requires 32 direct labor hours and \$2,100 in direct material cost, the Government may issue a task order in accordance with the Non-recurring Work portion of the contract for the \$100 in direct material cost that exceeds the Recurring Work limit of liability. 3. If a repair requires 33 direct labor hours and \$2,100 in direct material cost, the Government may issue a task order in accordance with the Non-Recurring Work portion of the contract for the one direct labor hour and \$100 in direct material cost that exceeds the Recurring Work limit of liability. <p>The limit of liability for repair includes only direct material and direct labor. The government will not be responsible for reimbursement of any other associated cost as part of the repair limit of liability.</p>	

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1601000 – Utilities Management				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
			The Contractor shall notify the KO upon identification that the repair will exceed the liability limits specified above in accordance with reporting requirements in Annex 2. If Non-Recurring work is issued to complete the repairs, the Government will only pay for the portion of direct labor and/or direct material that exceeds the repair limits.	
3.3.2.1.1	Software Maintenance	The Contractor shall develop and implement an IMP for SCADA System software and firmware to ensure all equipment and components remain in optimum condition and sustain maximum life.	<p>The Contractor shall maintain SCADA systems software package agreements and implement any future versions of SCADA systems software at no additional cost to the Government within six months of version release date.</p> <p>SCADA system software and firmware revisions shall be implemented within one month of the release date.</p> <p>Version and revision installation shall occur throughout the SCADA system (server, workstation, radio, and RTU).</p>	Software maintained and upgraded per schedule to minimize system errors and vulnerabilities.
3.3.2.1.2	Hardware Maintenance	The Contractor shall develop and implement an IMP for SCADA System hardware to ensure all equipment and components remain in optimum condition and sustain maximum life.	<p>The contractor shall maintain SCADA system hardware components per manufacturer recommendations.</p> <p>All hardware components shall be compatible with the MODBUS protocol.</p> <p>Hardware driven failures shall be repaired within 24 hours. The contractor shall maintain adequate spare parts on hand to meet this time constraint.</p>	Replacement components operate within manufacturer specifications.
3.3.2.1.3	Enclosure Maintenance	The Contractor shall develop and implement an IMP for SCADA system enclosures to ensure enclosures are secured, operable and protect housed	<p>The Contractor shall submit an Enclosure Maintenance Plan to the KO to validate completeness within 30 days following award.</p> <p>The Contractor shall refinish surfaces and apply protective coatings as required. Materials and application shall meet or</p>	<p>Enclosure Maintenance Plan submitted within 30 days following contract award.</p> <p>Equipment maintained in accordance with</p>

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
		equipment.	exceed OEM specifications.	Enclosure Maintenance Plan.
3.3.2.2	Outages	The Contractor shall notify the commodity managers prior to scheduled outages.	The Contractor shall notify via email commodity managers at least one day prior to performing system maintenance or repair that will affect RTUs, repeaters, radios, or servers.	No scheduled outage/service interruption without Government notification.

Section C - 1601000
Utilities Management

1601000 – Utilities Management				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
4	Non-recurring Work	Non-recurring work may be ordered utilizing DoD EMALL/FEDMALL in accordance with Section H or on a task order in accordance with the PROCEDURES FOR ISSUING ORDERS clause in Section G. The order will specify the exact locations and types of work to be accomplished. The period of performance will be specified in each order.	Refer to non-recurring work ELINs for task listings, descriptions and related requirements. All periods of performance are measured from issue date of order to acceptance of the work. Performance Standards for non-recurring work will be the same as those in Spec Item 3 where applicable.	

Section C – 1602000
Electrical

1602000 – Electrical Table of Contents	
Spec Item	Title
1	General Information
1.1	Concept of Operations
2	Management and Administration
2.1	Personnel
2.1.1	Certification and Training
2.2	Special Requirements
2.2.1	Safety
3	Recurring Work
3.1	Operate Electrical Power Distribution Systems
3.2	Integrated Maintenance Program
4	Non-recurring Work

Section C – 1602000
Electrical

1602000 - Electrical		
Spec Item	Title	Description
1	General Information	The Contractor shall provide all labor, management, supervision, tools, material, and equipment to continuously operate, maintain, and repair the electrical power distribution systems located at NAS Pensacola, Corry Station, Naval Hospital Pensacola, and Saufley Field.
1.1	Concept of Operations	<p>The intent of 1602000 Electrical is to specify the requirements for electrical power distribution.</p> <p>The following services are not included in this Template:</p> <ul style="list-style-type: none"> • The point of demarcation is where the electricity exits the building electric meter or, if there is no meter, the line side of the first disconnect. All components beyond this point of demarcation are considered part of the facility and are included in 1502000, Facilities Investment. • Generators are included in 1502000, Facilities Investment. • Repairs to utility facilities (building structures) are included in 1502000 Facilities Investment. • Utility locate services are included in 1501000 Facility Management. • Utility escort services are included in 1601000 Utility Management.

Section C – 1602000
Electrical

1602000 – Electrical		
Spec Item	Title	Description
2	Management and Administration	
2.1	Personnel	The Contractor shall provide personnel with the qualifications, technical knowledge, experience and skills required to efficiently operate, maintain and repair the electrical power generation plant and transmission and distribution systems.
2.1.1	Certification and Training	<p>Cable Splicer/Terminator: The cable splicer must have at least three (3) years' experience in splicing the type and rating of cables specified. Prior to making splices or terminations, the Contractor shall submit names, qualification and experience of the cable splicers to be employed. Documentation (including test results from a previously installed splice) to verify that the individual has completed a splice/termination of the type to be installed under this contract.</p> <p>Lineman Qualifications: High Voltage Electricians/Lineman shall be equivalent in all respects to United States Industry Journeyman Standards with at least 4 years and 4000 hours of experience. The remaining electricians shall be equivalent to United States Industrial Journeyman Standards or at least 2 years of apprenticeship.</p>
2.2	Special Requirements	
2.2.1	Safety	All the safety requirements of UFC 3-560-01 are applicable to this specification in addition to the safety standards of 0200000 Management and Administration.

Section C – 1602000
Electrical

1602000 – Electrical				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
3	Recurring Work	The Contractor shall efficiently operate and maintain the distribution systems to safely distribute reliable electrical power to ensure all electrical requirements are continually met	The Contractor shall shut-down, restart, and perform operational checks on all equipment affected by both scheduled and unscheduled utility outages at no additional cost to the Government. The current electrical power distribution system description and inventory are provided in J-1602000-01.	Electrical power is continuously and safely distributed and meets demand requirements.
3.1	Operate Electrical Power Distribution Systems	The Contractor shall efficiently and safely operate the electrical power distribution systems to ensure electrical power is provided to meet all demand requirements, 24 hours per day, seven days per week, throughout the contract period.	Operation consists of “watch-standing” or attendance type work by a sufficient staff of qualified persons during a specified time period to ensure safe, reliable, efficient distribution of electricity. Systems equipment and components shall be efficiently and safely operated and maintained in accordance with industry standards. Operation of the electrical power distribution systems includes equipment and systems components, such as, transformers, switchgear, and medium and low voltage distribution lines, and includes tasks such as monitoring and regulation of equipment controls, maintaining operating records, logs, and reports, and examination, lubrication, switching operations, and minor adjustment of equipment and system components.	Systems equipment and components are efficiently, safely and continuously operated per operating criteria to distribute electrical power to meet demand. Electrical distribution system reliability meets or exceeds SAIDI and SAIFI reliability indexes for Gulf Power
3.2	Integrated Maintenance Program (IMP)	The Contractor shall develop and implement an IMP for the distribution systems to ensure all equipment and components are safe, fully functional, and operational.	The Contractor shall develop and submit an IMP per Section F. The IMP shall include the Contractor’s approach for integrated maintenance, including maintenance and inspection tasks, schedules for planned work accomplishment, plan for minimizing occurrence of repair and downtime, process	Maintenance is accomplished per Contractor’s incorporated Program and schedule. All repairs costing at or less than the Contractor’s limit of liability are responded to

Section C – 1602000
Electrical

1602000 – Electrical				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>for the identification of the need for repairs, and the process for scheduling and completing repair work.</p> <p>As part of the IMP, the Contractor has full responsibility for any individual occurrence of repair, including replacement, up to and including 32 direct labor hours and/or \$4,000 in direct material costs. See examples below:</p> <p>Three examples of work exceeding the Recurring Work limit of liability:</p> <ol style="list-style-type: none"> 1. If a repair requires 33 direct labor hours and \$4,000 in direct material cost, the Government may issue a task order in accordance with the Non-recurring Work portion of the contract for the one direct labor hour that exceeds the Recurring Work limit of liability. 2. If a repair requires 32 direct labor hours and \$4,100 in direct material cost, the Government may issue a task order in accordance with the Non-recurring Work portion of the contract for the \$100 in direct material cost that exceeds the Recurring Work limit of liability. 3. If a repair requires 33 direct labor hours and \$4,100 in direct material cost, the Government may issue a task order in accordance with the Non-Recurring Work portion of the contract for the one direct labor hour and \$100 in direct material cost that exceeds the Recurring Work limit of liability. <p>The limit of liability for repair</p>	<p>within 15 minutes following Contractor discovery or Government notification during regular working hours, one hour after regular working hours and worked continuously to completion.</p> <p>When repair is complete the facility, system, or equipment operates as designed and does not present any hazard or danger to personnel. Work is continued without interruption until the emergent condition is arrested.</p>

Section C – 1602000
Electrical

1602000 – Electrical				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>includes only direct material and direct labor. The government will not be responsible for reimbursement of any other associated cost as part of the repair limit of liability.</p> <p>The Contractor shall notify the KO upon identification that the repair will exceed the liability limits specified above in accordance with reporting requirements in Annex 2. If Non-Recurring work is issued to complete the repairs, the Government will only pay for the portion of direct labor and/or direct material that exceeds the repair limits.</p> <p>The Contractor shall perform all repairs, whether identified as part of their routine IMP accomplishment, QC inspections, or notification from the Government that a breakdown or malfunction has occurred.</p> <p>Work on energized equipment requires an energized work permit. Approval of these requests is extremely rare and requires significant justification for consideration.</p> <p>Work near energized equipment requires a permit. Approval of these requests is uncommon and requires adequate justification for consideration.</p> <p>If the Government identifies a problem or a need for repair, the Government will contact the work reception desk. Service orders will not be issued for accomplishment of repairs on systems and equipment maintained under IMP.</p> <p>The IMP shall include all equipment and components of</p>	

Section C – 1602000
Electrical

1602000 – Electrical				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>the electrical distribution systems (e.g. substations, switching stations, transformers, switchgear, distribution lines, structures and poles, meters, etc.). The IMP system descriptions are provided in J-1502000-03.</p> <p>IMP, inclusive of repair and replacement, shall be performed per ANSI Standards, OMSI, equipment manufacturer's recommendations, and commercially accepted practices.</p> <p>The Contractor shall notify the Government when they identify right of way maintenance necessary to minimize outages.</p> <p>The contractor shall provide reports as outlined in Section F.</p>	

Section C – 1602000
Electrical

1602000 – Electrical				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
4	Non-recurring Work	Non-recurring work may be ordered utilizing DoD EMALL/FEDMALL in accordance with Section H or on a task order in accordance with the PROCEDURES FOR ISSUING ORDERS clause in Section G. The order will specify the exact locations and types of work to be accomplished. The period of performance will be specified in each order.	Refer to non-recurring work ELINs for task listings, descriptions and related requirements. All periods of performance are measured from issue date of order to acceptance of the work. Performance Standards for non-recurring work will be the same as those in Spec Item 3 where applicable.	

Section C – 1603000
Natural Gas

1603000 – Natural Gas Table of Contents	
Spec Item	Title
1	General Information
1.1	Concept of Operations
2	Management and Administration
2.2	Personnel
2.2.1	Certification, Training and Licensing
2.3	Special Requirements
3	Recurring Work
3.1	Operation
3.1.1	Natural Gas Pressure
3.1.2	Operating Records, Logs and Reports
3.2	Integrated Maintenance Program
4	Non-recurring Work

Section C – 1603000
Natural Gas

1603000 – Natural Gas		
Spec Item	Title	Description
1	General Information	The Contractor shall provide all labor, management, supervision, tools, material, and equipment to continuously operate, maintain, and repair the natural gas distribution system at NASP, Corry Station, and Saufley Field.
1.1	Concept of Operations	<p>The intent of 1603000 Natural Gas is to specify the requirements for the operation and maintenance of the natural gas distribution system.</p> <p>The following services are not included in this Template:</p> <ul style="list-style-type: none"> • For NASP, the incoming point of demarcation is behind Pensacola Energy's gate station facility located on 610 S. Navy Blvd just before the Bayou Grande Bridge. For Corry Station, the incoming point of demarcation is the Pensacola Energy gate station located on the east side of the base just outside the base perimeter fence. For Saufley Field, the incoming point of demarcation is Pensacola Energy gate station located aboard the installation just west of B2435. • The facility point of demarcation is where the gas exits the building gas meter. All components beyond this point of demarcation are part of the facility and are included in 1502000 or 1502000BUMED. • Repairs to the facilities (building structures) for Natural Gas are included in 1502000 Facilities Investment. • Utility locate services are included in 1501000 Facility Management. • Utility escort services are included in 1601000 Utility Management.

Section C – 1603000
Natural Gas

1603000 – Natural Gas		
Spec Item	Title	Description
2	Management and Administration	
2.1	Personnel	The Contractor shall provide personnel with the qualifications, technical knowledge, experience and skills required for efficient operations within the natural gas distribution system function.

Section C – 1603000
Natural Gas

1603000 – Natural Gas				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
3	Recurring Work	The Contractor shall efficiently and safely operate and maintain the natural gas distribution system to ensure the safe distribution of natural gas, such that all demand requirements are continually met.	The Contractor shall shut-down, restart, and perform operational checks on all equipment affected by both scheduled and unscheduled utility outages at no additional cost to the Government. The current Natural Gas Systems Description is provided in J-1603000-01.	Natural gas is continuously and safely distributed and meets demand requirements.
3.1	Operation	The Contractor shall operate the natural gas distribution system to ensure the efficient and safe distribution of natural gas to meet all demand requirements, at all times of operation, throughout the contract period.	Operation of the natural gas distribution system includes equipment and system components, such as, pressure relief devices, pressure regulators, valves, gauges and includes tasks, such as, monitoring and adjustment of flow and pressure, operation of valves, valve pit and vault maintenance, pipe and line maintenance and all associated connection points, maintaining operating records, single line drawings of each system, and reports, and examination, lubrication and minor adjustment of ancillary equipment and system components. Systems equipment and components shall be efficiently and safely operated per ANSI GPTC Z380.1. The KO shall be notified immediately if unsafe conditions are discovered. The Notification of Unsafe Conditions Report shall be submitted per Section F.	Systems equipment and components are efficiently, safely and continuously operated per specified operating criteria to distribute quality natural gas to meet demand. Unscheduled interruptions are minimized such that natural gas pressure and demand is met 99.9 percent of the time annually.
3.1.1	Natural Gas Pressure	The Contractor shall distribute natural gas that meets the minimum pressure specified to ensure demands are satisfied.	Gas pressure shall be maintained at a minimum of 60-80 pounds per square inch gage throughout the major infrastructure distribution system and shall be regulated and adjusted to meet the requirement of the user's equipment at any demand point throughout the distribution system.	Natural gas meets the minimum specified pressure requirements throughout distribution system.
3.1.2	Operating	The Contractor	The Contractor shall establish	All required

Section C – 1603000
Natural Gas

1603000 – Natural Gas				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
	Records, Logs and Reports	shall establish a system monitoring schedule to ensure proper operation and performance.	<p>system logs.</p> <p>Deliverables shall include copies of operating logs, pressure readings, flow rates, and other laboratory records, maintenance records, corrosion tests, personnel records, emergency condition records, and operating costs. These deliverables shall be provided within one day of request by either the Natural Gas Commodity Manager or the KO.</p>	operating records, logs, and reports are maintained current and complete and applicable copies provided to the KO within the specified times.
3.2	Integrated Maintenance Program (IMP)	The Contractor shall develop and implement an IMP program for the natural gas distribution systems to ensure they are safe, fully functional, and operational.	<p>The Contractor shall develop and submit an IMP per Section F.</p> <p>The IMP shall include the Contractor’s approach for integrated maintenance, including maintenance and inspection tasks, schedules for planned work accomplishment, plan for minimizing occurrence of repair and downtime, process for the identification of the need for repairs, and the process for scheduling and completing repair work.</p> <p>As part of the IMP, the Contractor has full responsibility for any individual occurrence of repair, including replacement, up to and including 32 direct labor hours and \$4,000 in direct material cost. See examples below.</p> <p>Three examples of work exceeding the Recurring Work limit of liability:</p> <ol style="list-style-type: none"> 1. If a repair requires 33 direct labor hours and \$4,000 in direct material cost, the Government may issue a task order in accordance with the Non-recurring Work portion of the contract for the one direct labor hour that exceeds the Recurring Work limit of liability. 	<p>Maintenance is performed in accordance with Contractor’s IMP and work schedule.</p> <p>All repairs costing at or less than the Contractor’s limit of liability are responded to within two hours following Contractor discovery or Government notification during regular working hours, four hours after regular working hours and the repair is complete within 48 hours of discovery or notification.</p> <p>For emergencies, the Contractor shall respond within one hour of Contractor discovery or Government notification.</p> <p>Emergencies shall be arrested within 24 hours of receipt of call.</p> <p>Work is continued</p>

Section C – 1603000
Natural Gas

1603000 – Natural Gas				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>2. If a repair requires 32 direct labor hours and \$4,100 in direct material cost, the Government may issue a task order in accordance with the Non-recurring Work portion of the contract for the \$100 in direct material cost that exceeds the Recurring Work limit of liability.</p> <p>3. If a repair requires 33 direct labor hours and \$4,100 in direct material cost, the Government may issue a task order in accordance with the Non-Recurring Work portion of the contract for the one direct labor hour and \$100 in direct material cost that exceeds the Recurring Work limit of liability.</p> <p>The limit of liability for repair includes only direct material and direct labor. The government will not be responsible for reimbursement of any other associated cost as part of the repair limit of liability.</p> <p>The Contractor shall notify the KO upon identification that the repair will exceed the liability limits specified above in accordance with reporting requirements in Annex 2. If Non-Recurring work is issued to complete the repairs, the Government will only pay for the portion of direct labor and/or direct material that exceeds the repair limits.</p> <p>The Contractor shall perform all repairs, whether identified as part of their routine IMP accomplishment, QC inspections, or notification from the Government that a breakdown or malfunction has occurred.</p>	<p>without interruption until the emergent condition is arrested.</p> <p>Systems and equipment are maintained and repaired to sustain a fully functional and operable condition in accordance with OEM specifications.</p> <p>When repair is complete the facility, system, or equipment does not present any hazard or danger to personnel.</p>

Section C – 1603000
Natural Gas

1603000 – Natural Gas				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
			If the Government identifies a problem or a need for repair, the Government will contact the work reception desk. Service orders will not be issued for accomplishment of repairs on systems and equipment maintained under IMP.	

Section C – 1603000
Natural Gas

1603000 – Natural Gas				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
4	Non-recurring Work	Non-recurring work may be ordered utilizing DoD EMALL/FEDMALL in accordance with Section H or on a task order in accordance with the PROCEDURES FOR ISSUING ORDERS clause in Section G. The order will specify the exact locations and types of work to be accomplished. The period of performance will be specified in each order.	Refer to Non-recurring Work ELINs for task listings, descriptions and related requirements. All periods of performance are measured from issue date of order to acceptance of the work. Performance Standards for Non-recurring work will be the same as those in Spec Item 3 where applicable.	

Section C – 1604000
Wastewater

1604000 – Wastewater Table of Contents	
Spec Item	Title
1	General Information
1.1	Concept of Operations
2	Management and Administration
2.1	Personnel
3	Recurring Work
3.1	Operation
3.1.1	Bilge Water Treatment Plant Operation
3.1.2	Sewage Collection System Operation
3.2	Integrated Maintenance Program
3.2.1	Bilge Water Treatment Plant
3.2.2	Sewage Collection System
3.3	Inspection Program
3.3.1	Cleaning of Sewer Pipeline
3.3.2	Inspecting Sewage Collection Pipelines
3.3.3	Inspecting Manholes
3.3.4	Inspecting Wet Wells
3.4	Other Recurring Services
3.4.1	Lift Station Testing
4	Non-Recurring Work

Section C – 1604000
Wastewater

1604000 - Wastewater		
Spec Item	Title	Description
1	General Information	The Contractor shall provide all labor, management, supervision, tools, material, and equipment to continuously operate, maintain, and repair the Collection System located at NASP, Corry Station, and Saufley Field.
1.1	Concept of Operations	<p>The intent of 1604000 Wastewater is to specify the requirements to provide Wastewater utilities. Included are services such as operating, maintaining and repairing the sewage collection system and the Bilge Water Treatment Plant (BWTP).</p> <p>The following services are not included in this Template:</p> <ul style="list-style-type: none"> • The supply side point of demarcation is five feet outside of where the wastewater exits the building. All components prior to this point of demarcation are considered part of the facility and are included in 1502000, Facilities Investment. • For NASP, the delivery point of demarcation is the supply side of Emerald Coast Utilities Authority (ECUA) lift station 377 located on NASP. • For Corry station, the delivery point of demarcation is the force main connection to ECUA’s line located at the intersection of Navy Blvd and US Hwy 98. The valve and fitting at the point of connection to ECUA are covered under this contract. • For Saufley Field, the delivery point of demarcation is the fenceline. • Repairs to the facilities (building structures) are included in 1502000 Facilities Investment. • Utility locate services are included in 1501000 Facility Management. • Utility escort services are included in 1601000 Utility Management. • Repairs to the Blue Angel Recreational Park (Bronson Field) utilities infrastructure are not included in this annex.

Section C – 1604000
Wastewater

1604000 – Wastewater		
Spec Item	Title	Description
2	Management and Administration	
2.1	Personnel	The Contractor shall provide personnel with the qualifications, technical knowledge, experience and skills required to efficiently operate, maintain and repair the Sewage Collection System.
2.2	Special Requirements	
2.2.1	Permit	The Contractor shall operate and maintain the BWTP in accordance with ECUA Permit #2003-14.
2.2.2	Fees, Fines, and Penalties	The Contractor shall be responsible for all fees, fines, and penalties assessed if discharge permits are violated in the the course of operations or maintenance.

Section C – 1604000
Wastewater

1604000 - Wastewater				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
3	Recurring Work	The Contractor shall efficiently operate and maintain the BWTP and sewage collection system to safely collect and dispose of wastewater.	<p>The Wastewater System Description is provided in J-1604000-01</p> <p>The Contractor shall shut-down, restart, and perform operational checks on all equipment affected by both scheduled and unscheduled utility outages at no additional cost to the Government.</p> <p>The Contractor shall be responsible for managing and controlling traffic issues resultant from sewage system work in a safe manner at all times.</p>	<p>Sewage is continuously and safely collected and disposed.</p> <p>Effluent complies with the regulatory discharge permit.</p> <p>No spills are the result of Contractor negligence.</p>
3.1	Operation	The Contractor shall operate the BWTP and sewage collection system to efficiently and safely collect and dispose of wastewater 24 hours per day, seven days per week, throughout the contract period.	<p>Systems equipment and components shall be efficiently and safely operated and maintained in accordance with industry standards.</p> <p>The KO shall be notified immediately if unsafe conditions are discovered.</p>	<p>Unscheduled interruptions are minimized such that collection demand and effluent quality requirements are met 99 percent of the time annually.</p>
3.1.1	Bilge Water Treatment Plant Operation	The Contractor shall operate the BWTP and collection system to efficiently and safely collect and dispose of bilge water such that the effluent complies with Industrial Discharge Permit #2003-14, 24 hours per day, seven days per week, throughout the contract period.	<p>The BWTP is currently not accepting bilge water; however, both stormwater and rainwater enter the liquid equalization tanks (LET's). The BWTP is basically functioning as a collection point for rainwater and stormwater (from the pier).</p> <p>Operations consists of monitoring LET levels, supernating, semi-annual sample collection and testing, and valve & pump operations as needed to collect, analyze, and dispose of bilge water effluent in accordance with Emerald Coast Utilities Authority (ECUA) Industrial Discharge Permit #2003-14.</p> <p>The Contractor shall provide a monthly meter reading to the</p>	<p>Plant equipment and components are efficiently, safely, and continuously operated per specified operating criteria to collect and dispose of bilge water and effluent complies with the regulatory discharge permit.</p>

Section C – 1604000
Wastewater

1604000 - Wastewater				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
			commodity manager. Semi-annual testing results shall be provided per Section F.	
3.1.2	Sewage Collection System Operation	The Contractor shall operate the sewage collection system to efficiently and safely collect and dispose of wastewater 24 hours per day, seven days per week, throughout the contract period.	Operation of the sewage collection system includes equipment and systems components, such as, lift stations and collection piping, and includes tasks, such as, monitoring and regulation of equipment controls, and examination, lubrication and minor adjustment of equipment and system components	System, equipment, and components are efficiently, safely, and continuously operated per specified operating criteria to collect and dispose of wastewater. Unscheduled interruptions are minimized such that collection demand and effluent quality requirements are met 99 percent of the time annually.
3.2	Integrated Maintenance Program (IMP)	The Contractor shall develop and implement an IMP for the BWTP and sewage collection systems to ensure all equipment and components remain in optimum condition and sustain maximum life.	The Contractor shall develop and submit an IMP per Section F. The IMP shall include the Contractor's approach for integrated maintenance, including maintenance and inspection tasks, schedules for planned work accomplishment, plan for minimizing occurrence of repair and downtime, process for the identification of the need for repairs, and the process for scheduling and completing repair work. The Wastewater System Description is provided in J-1604000-01. IMP, inclusive of repair and replacement, shall be performed per ASME, WEF, NASSCO, and OEM standards, and equipment manufacturer's recommendations and commercially accepted practices.	Maintenance is performed in accordance with the Contractor's IMP and work schedule. Unscheduled interruptions are minimized such that collection demand and effluent quality requirements are met 99 percent of the time annually. Maintenance is performed in accordance with applicable standards. When repair is complete, the facility, system, or equipment does not present any hazard or danger to

Section C – 1604000
Wastewater

1604000 - Wastewater				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>All system malfunctions and breakdowns requiring repair or replacement shall have immediate response within one hour following Contractor discovery or Government notification and worked continuously to completion.</p> <p>As part of the IMP, the Contractor has full responsibility for any individual occurrence of repair, including replacement, up to and including 32 direct labor hours and/or \$2,500 in direct material cost. See examples below.</p> <p>Three examples of work exceeding the Recurring Work limit of liability:</p> <ol style="list-style-type: none"> 1. If a repair requires 33 direct labor hours and \$2,500 in direct material cost, the Government may issue a task order in accordance with the Non-recurring Work portion of the contract for the one direct labor hour that exceeds the Recurring Work limit of liability. 2. If a repair requires 32 direct labor hours and \$2,600 in direct material cost, the Government may issue a task order in accordance with the Non-recurring Work portion of the contract for the \$100 in direct material cost that exceeds the Recurring Work limit of liability. 3. If a repair requires 33 direct labor hours and \$2,600 in direct material cost, the Government may issue a task order in accordance with the Non-Recurring Work portion of the contract for the one direct labor hour and \$100 in 	<p>personnel.</p>

Section C – 1604000
Wastewater

1604000 - Wastewater				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>direct material cost that exceeds the Recurring Work limit of liability.</p> <p>The limit of liability for repair includes only direct material and direct labor. The government will not be responsible for reimbursement of any other associated cost as part of the repair limit of liability.</p> <p>The Contractor shall notify the KO upon identification that the repair will exceed the liability limits specified above in accordance with reporting requirements in Annex 2. If Non-Recurring work is issued to complete the repairs, the Government will only pay for the portion of direct labor and/or direct material that exceeds the repair limits.</p> <p>The Contractor shall perform all repairs, whether identified as part of their routine IMP accomplishment, QC inspections, or notification from the Government that a breakdown or malfunction has occurred.</p> <p>If the Government identifies a problem or a need for repair, the Government will contact the work reception desk. Service orders will not be issued for accomplishment of repairs on systems and equipment maintained under IMP.</p> <p>The Contractor shall submit a Monthly IMP Schedule and IMP Maintenance and Repair Status Report per Section F.</p>	
3.2.1	Bilge Water Treatment Plant	The Contractor shall maintain the BWTP to ensure proper operation, to minimize breakdowns, to	The Maintenance shall include all equipment and components of the BWTP such as LET's, lift stations, pumps, valves, manual controls, plant and collection system piping, and manholes.	Maintenance is performed per Contractor's IMP and work schedule. Maintenance of the

Section C – 1604000
Wastewater

1604000 - Wastewater				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
		maximize useful lift, and meet all applicable discharge permit requirements.		bilge water treatment plant is performed in accordance with manufacturers' recommended procedures and ASME, WEF, NASSCO, and OEM standards. ECUA discharge permit requirements are met.
3.2.2	Sewage Collection System	The Contractor shall maintain the sewage collection systems to ensure all equipment and components remain in optimum condition and sustain maximum life	The Maintenance shall include all equipment and components of the sewage collection systems between the supply and delivery points of demarcation identified in specification item 1.1 of this annex such as lift stations, pumps, valves, automatic controls, collection system piping, and manholes.	Unscheduled interruptions are minimized such that collection demand and effluent quality requirements are met 99 percent of the time annually.
3.3	Inspection Program	The Contractor shall develop and implement an inspection program for sewer systems to ensure a complete assessment of condition in a timely manner.	<p>The Contractor shall develop an inspection program for sewer systems. The Contractor shall submit the Inspection Program and Schedule per Section F.</p> <p>Systems shall be inspected at least twice during performance of this contract. Inspections shall be scheduled such that components have at least 4 years between inspections.</p> <p>Inspection Reports and CCTV Footage shall be submitted per Section F.</p> <p>The Contract shall submit two copies of reports on CD and two copies as paper reports including image photographs, cross section; and plan view report with a diagram of lateral connections, channel and influent/effluent dimensions as appropriate.</p>	<p>Inspection is performed in accordance with ASME, WEF, NASSCO, and OEM standards.</p> <p>Inspections are performed per the Contractor's inspection program and work schedule.</p> <p>All photographs and video footage shall be of a quality capable of showing all damage and defects clearly.</p>

Section C – 1604000
Wastewater

1604000 - Wastewater				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
			When used, all CCTV videos shall be NMCI compatible software (i.e., Windows Media Player, Quicktime, etc.)	
3.3.1	Cleaning of Sewer Pipeline	The Contractor shall perform cleaning of sewer pipelines in accordance with the appropriate standards to ensure proper operation, removal of all obstructions, and proper drainage.	<p>Cleaning shall be performed to facilitate inspection and maintenance. The Contractor shall schedule cleaning to immediately precede inspection and maintenance activities whenever possible.</p> <p>The Contractor shall submit a Pipeline Cleaning Schedule per Section F.</p> <p>Cleaning shall ensure that wastewater flow rates and system retention capacities are maintained.</p> <p>The Contractor shall furnish high velocity hydro-jetting and vacuum removal equipment as necessary to thoroughly clean system of sludge, dirt, soil, sand, rocks, roots, and other solid or semi-solid materials.</p> <p>The contractor shall coordinate this process with the commodity manager.</p>	<p>Cleaning is accomplished in accordance with the appropriate standards and the schedule.</p> <p>All pipelines are cleaned and free of obstruction.</p>
3.3.2	Inspecting Sewage Collection Pipelines	The Contractor shall inspect sewage collection pipelines to ensure a complete assessment of condition in a timely manner.	<p>Contractor shall test the television inspection equipment immediately prior to performing work to verify the picture quality. Recorded footage shall be of good image quality such that all damage and defects to pipeline can be properly assessed.</p> <p>Contractor shall take video frame snapshots of all defects, damage, and obstructions.</p> <p>Contractor shall record video clips of continuous structural defects, such as longitudinal cracks, with a grade rating to show the magnitude of the defect, or of surface defects, such as infiltration, to show the</p>	Inspections are performed, recorded, and reported in a manner that complies with PACP and the latest NASSCO standards and guidance.

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Wastewater

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>degree of the defects.</p> <p>All pipelines greater than or equal to four inches in diameter shall be inspected.</p>	
3.3.3	Inspecting Manholes	The Contractor shall inspect manholes to ensure a complete assessment of condition in a timely manner.	<p>The Contractor shall document, report, and photograph all defects, and damage while performing manhole inspections.</p> <p>Contractor shall submit Manhole Photographs and Reports per Section F providing recommendations for correction of any observed issues.</p>	Inspection performed, recorded, and reported in compliance with the latest MACP standards and ASME guidance.
3.3.4	Inspecting Wet Wells	The Contractor shall inspect wet wells to ensure a complete assessment of condition in a timely manner.	<p>The Contractor shall document, report, and photograph all defects, and damage while performing wet well inspections.</p> <p>Contractor shall submit Wet Well Photographs and Reports per Section F providing recommendations for correction of any observed issues.</p>	Inspection performed, recorded, and reported in compliance with the latest NASSCO standards and ASME guidance.
3.4	Other Recurring Services	The Contractor shall perform other recurring services for sewer systems and equipment to ensure they are fully functional and operational.		<p>Systems and equipment are in an operable condition and function properly in accordance with specified standards.</p> <p>Other recurring services are completed in a timely manner.</p>
3.4.1	Lift Station Testing	The Contractor shall perform monthly sampling and testing at Lift Stations 61, 645, 736, and 3435.	<p>The sampling shall be a 24 hour composite and is to be staggered (i.e., different days/times per week).</p> <p>Provide sampling and test results for the following:</p> <ol style="list-style-type: none"> 1) Total Suspended Solids (TSS) 2) Chemical Oxygen Demand (COD) 3) Nitrogen including Total Kjeldahl Nitrogen (TKN) and Nitrate-Nitrite 4) Phosphorus 5) pH 	

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Wastewater

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
			The lab used for testing shall be a NELAP accredited laboratory.	

Section C – 1604000
Wastewater

1604000 - Wastewater				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
4	Non-recurring Work	Non-recurring work may be ordered utilizing DoD EMALL/FEDMALL in accordance with Section H or on a task order in accordance with the PROCEDURES FOR ISSUING ORDERS clause in Section G. The order will specify the exact locations and types of work to be accomplished. The period of performance will be specified in each order.	Refer to Non-recurring Work ELINs for task listings, descriptions and related requirements. All periods of performance are measured from issue date of order to acceptance of the work. Performance Standards for non-recurring work will be the same as those in Spec Item 3 where applicable.	

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Steam

1605000 – Steam	
Spec Item	Title
1	General Information
1.1	Concept of Operations
2	Management and Administration
2.1	Personnel
2.1.1	Certification, Training and Licensing
3	Recurring Work
3.1	Operation
3.1.1	Steam Quality
3.1.2	Plant Boiler Combustion Limits and Efficiencies
3.1.3	Heating and Power Boiler Minimum Operator Attendance
3.1.4	Boiler Water Testing and Treatment Program
3.1.5	Condensate Return System
3.1.6	Operating Records, Logs and Reports
3.2	Integrated Maintenance Program
3.3	Inspection, Testing and Certification Program
4	Non-Recurring Work

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Steam

1605000 – Steam		
Spec Item	Title	Description
1	General Information	The Contractor shall provide all labor, management, supervision, tools, material, and equipment to continuously operate, maintain, and repair the steam generation plants and distribution systems, to include condensate returns, located at NHOS and Saufley Field and hot water plants and distribution systems, located at NASP and Corry Station.
1.1	Concept of Operation	<p>The intent of 1605000 Steam is to specify the requirements to provide installation steam and hot water. Included are services as operating, maintaining and repairing the steam and hot water generation plants and distribution systems, inclusive of condensate return piping, and boiler water testing and treatment.</p> <p>The following services are not included in this Template:</p> <ul style="list-style-type: none"> • The supply side points of demarcation are the final electrical disconnect for equipment and the supply side of the backflow preventer. Disconnects and backflow preventers are considered part of the utility system. Prior to this point is covered either by 1502000 Facilities Investment, 1602000 Electrical, or 1606000 Water. • The facility side points of demarcation are the isolation valve in the steam line to the facility and the isolation valve in the condensate return line from the facility. Isolation valves and steam meters are considered part of the utility system. Systems/equipment beyond this point is covered by 1502000 Facilities Investment. • Repairs to the facilities (building structures) for Steam Plants are included in 1502000 Facilities Investment or 1502000BUMED. • Utility locate services are included in 1501000 Facility Management. • Utility escort services are included in 1601000 Utility Management.

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Steam

1605000 – Steam		
Spec Item	Title	Description
2	Management and Administration	
2.1	Personnel	The Contractor shall provide personnel with the qualifications, technical knowledge, experience and skills required for efficient operations within the steam function.
2.1.1	Certification, Training and Licensing	<p>Heating boiler operators shall meet minimum training, certification, and experience as specified in NAVFACINST 11300.37A, section 3170.</p> <p>Plant operators shall comply with ASME and EPA certification guidance and exhibit knowledge and skills of high pressure boilers and principles of steam production.</p> <p>Boiler operator maintenance personnel shall be qualified as having minimum training, certification, and experience specified per the Unified Facilities Guide Specifications (UFGS) and Section VII of the American Society of Mechanical Engineers (ASME) Code. Provide certification and training (per the Unified Facilities Guide Specifications (UFGS) and ASME Code, Section VII) for boiler plant operators and maintenance personnel.</p> <p>Personnel inspecting, witnessing tests, preparing reports, and issuing certificates for boilers and UPVs must be qualified per UFC 3-430-07.</p> <p>Operators for the Bldg 2270 Plant shall be familiar with The Joint Commission requirements and shall be trained per requirements stated in Annex 1502000 BUMED.</p>

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Steam

1605000 – Steam				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
3	Recurring Work	The Contractor shall efficiently operate and maintain the steam generation plants and distribution systems, to include condensate returns, and hot water generation plants and distribution systems to ensure the safe production and distribution of quality, reliable steam and hot water, such that all shore-to-ship steam, and installation steam and hot water heating requirements are continually met.	<p>The Contractor shall shut-down, restart, and perform operational checks on all equipment affected by both scheduled and unscheduled utility outages at no additional cost to the Government.</p> <p>The current Steam and Hot Water Generation Plant, Steam and Hot Water Distribution Systems, and Condensate Return Systems Descriptions are provided in J-1605000-01.</p>	Steam and hot water are continuously and safely produced and distributed and meet minimum quality standards and demand requirements.
3.1	Operation	The Contractor shall operate the steam and hot water generation plant, steam and hot water distribution System, and condensate return system to efficiently and safely produce quality steam and hot water to ensure all shore-to-ship steam and installation steam and hot water heating requirements, at all times of operation, throughout the contract period.	<p>Operation consists of “watch-standing” or attendance type work by a sufficient staff of qualified persons during a specified time period to ensure safe, reliable, efficient generation and distribution of steam and hot water.</p> <p>Operation of the steam and hot water generation plant, steam and hot water distribution systems, and condensate return system includes equipment and system components, such as, plant boilers, heat recovery steam generators (HRSGs), heat exchangers, monitoring and controls systems, meters, steam traps, pumps, valves, and distribution lines, and includes tasks, such as, monitoring and regulation of equipment controls, maintaining operating records, logs, and reports, and examination, lubrication and minor adjustment of equipment and system components.</p>	<p>Plant and system equipment and components are efficiently, safely and continuously operated per specified operating criteria to produce quality steam and hot water to meet demand.</p> <p>Unscheduled interruptions are minimized such that steam quality and hot water temperature demands are met 99 percent of the time annually.</p>

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1605000 – Steam				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>Plant and systems equipment and components shall be efficiently and safely operated per Unified Facilities Guide Specifications (UFGS), NAVFAC MO 209, NAVFAC MO 225, NAVFAC MO 324, NAVFAC MO 221, FDEP Operating permits, 29 CFR 1910 and 1926, ANSI and ASHRAE Standards, OMSI/eOMSI manuals, and OEM requirements.</p> <p>Safe operation shall ensure that all heating and power boilers and equipment requiring operator attendance are staffed by qualified plant operators at all times of operation. No plant boilers requiring certification shall be operated without a valid NAVFAC Form 9-11014/32 (3/67), Inspection Certificate for Boiler-Unfired Pressure Vessel. The KO shall be notified immediately when unsafe conditions are discovered, following repair of a pressure component, and, after any major modification to boilers, control equipment or auxiliaries. The affected equipment shall not be placed back in operation until written authorization is received from a Government certified boiler inspector. The Notification of Unsafe Conditions Report shall be submitted per Section F.</p> <p>Where multiple heating and power boilers exist, the Contractor shall rotate their operation to ensure that each boiler is fully functional at all times.</p>	
3.1.1	Steam Quality	The Contractor shall produce and distribute steam to ensure the minimum pressure,	Steam pressure shall be maintained between 90-100 pounds per square inch gage (psig) and 320-350 degrees Fahrenheit exiting the boiler.	Steam meets the minimum specified pressures, temperature and purity requirements

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Steam

1605000 – Steam				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
		temperature and purity requirements are met.		throughout the plant and distribution system.
3.1.2	Plant Boiler Combustion Limits and Efficiencies	The Contractor shall efficiently operate plant boilers to ensure specified combustion limits and efficiencies are continuously met or exceeded.	Plant boiler combustion limits shall be established by mutual test with the Government within 120 days following start of contract. Combustion limits, efficiency ratings and flue gas constituents shall be determined, checked, and measured per UFC 3-430-08N, Section 9.	Established combustion limits and combustion efficiencies for plant boilers are continuously met or exceeded. Excess supply air shall not exceed 10 percent for each boiler when the fuel source for the boiler is natural gas. Plant boiler efficiency rating meets or exceeds 80 percent per boiler.
3.1.3	Heating and Power Boiler Minimum Operator Attendance	The Contractor shall provide boiler operators in sufficient quantities of staffing per shift to ensure the safe and efficient operation of the heating and power boilers at all times of operation, 24 hours per day, seven days per week throughout the contract period.	Attendance visits for operating boiler(s) shall be of sufficient duration to observe a complete operational cycle and perform operator checks.	Heating and power boiler operators met minimum attendance requirements specified in Section 3150 of NAVFACINST 11300.37, Energy and Utilities Policy Manual.
3.1.4	Boiler Water Testing and Treatment Program	The Contractor shall provide and implement a boiler water testing and treatment program to ensure optimum equipment operation and efficiency.	The Contractor shall develop and submit a Boiler Water Testing and Treatment Program, per Section F. The Contractor shall test and treat boiler water in accordance with equipment manufacturer's specifications, UFC 3-430-07, and NAVFACINST 11300.37 The Contractor shall maintain boiler water within the limits specified in Section 3120 of	Boiler water is sampled and tested in accordance with the Contractor's incorporated boiler water testing and treatment program. Laboratory analyses confirm that boiler water meets the suggested water quality standards

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Steam

1605000 – Steam				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>NAVFACINST 11300.37.</p> <p>The Contractor shall submit boiler water treatment test reports.</p> <p>For hot water boilers with capacities exceeding 5 MBTU(H) and steam boilers with capacities exceeding 0.4 MBTU(H), samples of feedwater, boiler water, and condensate shall be tested and certified monthly by an independent laboratory for simultaneous comparison with Contractor analyses in accordance with UFC 3-430-07.</p>	for boiler water and feedwater as specified in UFC 3-430-08N, Section 7.
3.1.5	Condensate Return System	The Contractor shall operate the condensate return system to ensure minimal condensate loss.	The Contractor shall evaluate existing condensate return systems' overall condition to determine achievable condensate return rate.	Condensate is returned to the plant at a rate no less than 70 percent for building 2270 return system only.
3.1.6	Operating Records, Logs and Reports	The Contractor shall prepare, submit and maintain operating records, logs and reports for in-process tracking of plant output characteristics to ensure records, logs, and reports are current and complete.	<p>Per NAVFACINST 11300.37A, Chapter 3; Part 1, DoD FGS, or local installation instruction, a monthly operating records report shall be submitted to the KO per Section F, within three days following the end of the month during which the work was performed and shall include monitoring, system condition and performance, the name of the individual performing the monitoring, and all comments, problems, and identification of reactive, preventive, predictive and proactive maintenance as a result of system operational deficiencies noted during scheduled PM or routine monitoring.</p> <p>Copies of daily operating logs, chemical treatment performed, and steam, boiler feed water and condensate return water laboratory analysis shall be retained and submitted to the KO upon request.</p>	All required operating records, logs, and reports are maintained current and complete and applicable copies provided to the KO within the specified times.

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1605000 – Steam				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
			The Contractor shall submit a monthly production report (per the NAVFAC SE billing processing schedule) to the KO listing the steam produced, condensate returned, and fuel used at each plant.	
3.2	Integrated Maintenance Program (IMP)	The Contractor shall develop and implement an IMP for the central heating/hot water plants, steam distribution systems, and condensate return systems to ensure they are safe, fully functional, and operational.	<p>The Contractor shall develop and submit an IMP per Section F.</p> <p>The IMP shall include the Contractor’s approach for integrated maintenance, including maintenance and inspection tasks, schedules for planned work accomplishment, plan for minimizing occurrence of repair and downtime, process for the identification of the need for repairs, and the process for scheduling and completing repair work.</p> <p>As part of the IMP, the Contractor has full responsibility for any individual occurrence of repair, including replacement, up to and including 32 direct labor hours and/or \$2,500 in direct material cost. See examples below.</p> <p>Three examples of work exceeding the Recurring Work limit of liability:</p> <ol style="list-style-type: none"> 1. If a repair requires 33 direct labor hours and \$2,500 in direct material cost, the Government may issue a task order in accordance with the Non-recurring Work portion of the contract for the one direct labor hour that exceeds the Recurring Work limit of liability. 2. If a repair requires 32 direct labor hours and \$2,600 in direct material cost, the Government may issue a task order in accordance with the 	<p>Maintenance is accomplished per Contractor's incorporated Program and schedule.</p> <p>All repairs costing at or less than the Contractor’s limit of liability are responded to within 15 minutes following Contractor discovery or Government notification during regular working hours, one hour after regular working hours and worked continuously to completion.</p> <p>When repair is complete the facility, system, or equipment operates as designed and does not present any hazard or danger to personnel.</p> <p>Systems and equipment are maintained and repaired to sustain a fully functional and operable condition in accordance with OEM specifications.</p>

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1605000 – Steam				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>Non-recurring Work portion of the contract for the \$100 in direct material cost that exceeds the Recurring Work limit of liability.</p> <p>3. If a repair requires 33 direct labor hours and \$2,600 in direct material cost, the Government may issue a task order in accordance with the Non-Recurring Work portion of the contract for the one direct labor hour and \$100 in direct material cost that exceeds the Recurring Work limit of liability.</p> <p>The limit of liability for repair includes only direct material and direct labor. The government will not be responsible for reimbursement of any other associated cost as part of the repair limit of liability.</p> <p>The Contractor shall notify the KO upon identification that the repair will exceed the liability limits specified above in accordance with reporting requirements in Annex 2. If Non-Recurring work is issued to complete the repairs, the Government will only pay for the portion of direct labor and/or direct material that exceeds the repair limits.</p> <p>The Contractor shall perform all repairs, whether identified as part of their routine IMP accomplishment, QC inspections, or notification from the Government that a breakdown or malfunction has occurred.</p> <p>If the Government identifies a problem or a need for repair, the Government will contact the work reception desk. Service orders will not be issued for</p>	

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Steam

1605000 – Steam				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>accomplishment of repairs on systems and equipment maintained under IMP.</p> <p>The IMP shall include all equipment and components of the steam generation and distribution systems. The current Steam and Hot Water Generation Plant, Steam and Hot Water Distribution Systems, and Condensate Return Systems Descriptions are provided in J-1605000-01.</p> <p>IMP, inclusive of preventive maintenance, repair and replacement, shall be performed per ANSI Standards, OMSI, UFC-3-431-07 Boiler and UPV Maintenance and Certification and equipment manufacturer's recommendations and commercially accepted practices</p> <p>The contractor shall provide reports as outlined in Section F.</p>	
3.3	Inspection, Testing, and Certification Program	The Contractor shall clean, prepare, and operate boilers and UPVs to support certification.	<p>The Contractor shall submit a boiler and UPV testing, inspection, and certification schedule to the Government within 30 days of contract award, and annually thereafter.</p> <p>The Contractor shall prepare boilers and UPVs for testing, inspection, and certification in accordance with the National Board of Boiler and Pressure Vessel Inspectors Code, UFC 3-410-01, and UFC 3-430-07.</p> <p>The Contractor shall immediately void any boiler inspection safety certificates upon the discovery of a safety deficiency regardless of the expiration date on the certificate. The certificate will again be valid only after the deficiency has been corrected by the Contractor and the boiler has been re-certified.</p>	<p>Testing, inspection, and certification of boilers and UPVs performed and completed in accordance with the Inspection, Testing, and Certification Program and Schedule.</p> <p>Boilers and UPVs are ready for inspection prior to inspector arrival.</p> <p>Boilers and UPVs are promptly returned to service upon issuance of certification.</p>

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1605000 – Steam				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>The Contractor shall thoroughly clean and prepare the system boilers and UPVs for testing and certification.</p> <p>The Contractor shall return boilers and UPVs to service upon issuance of certification.</p> <p>The Contractor shall refrain from operating a boiler or UPV without a valid NAVFAC inspection certificate.</p> <p>The Contractor shall perform all certification testing in the presence of the Government Certified Boiler Inspector.</p> <p>The Contractor shall provide ten (10) working days advance notification to the KO when boilers and/or UPVs are ready for testing and certification for coordination with the Government provided inspector.</p> <p>The Contractor shall assist the Certified Boiler Inspector in performing the testing for certification.</p> <p>The Contractor shall notify the Government when equipment is ready for testing and certification.</p> <p>The Contractor shall maintain files of inspection reports and inspection certificates</p> <p>The Contractor shall provide files for Government review and inspection when requested.</p>	

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1605000 - Steam				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
4	Non-Recurring Work	Non-recurring work may be ordered utilizing DoD EMALL/FEDMALL in accordance with Section H or on a task order in accordance with the PROCEDURES FOR ISSUING ORDERS clause in Section G. The order will specify the exact locations and types of work to be accomplished. The period of performance will be specified in each order.	Refer to non-recurring work ELINs for task listings, descriptions and related requirements. All periods of performance are measured from issue date of order to acceptance of the work. Performance Standards for non-recurring work will be the same as those in Spec Item 3 where applicable.	

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Water

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Spec Item	Title
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2	Management and Administration
2.1	Personnel
2.1.1	Certification, Training, and Licensing
2.2	Special Requirements
2.2.1	Sabotage or Security Breach
3	Recurring Work
3.1	Operation
3.1.1	Water Quality
3.1.2	Operating Records, Logs, and Reports
3.2	Integrated Maintenance Program
4	Non-recurring Work

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Water

1606000 - Water		
Spec Item	Title	Description
1	General Information	The Contractor shall provide all labor, management, supervision, tools, material, and equipment to continuously operate, maintain, and repair the Navy-owned raw water supply, water treatment plant located at Corry Station, distribution system located at Corry Station, between Corry Station and NAS Pensacola, and at NAS Pensacola, and the distribution system at Saufley Field (from point of entry to point of use).
1.1	Concept of Operations	<p>The intent of 1606000 Water is to specify the requirements for the operation and maintenance of raw water supply, water treatment plant, and distribution systems.</p> <p>The following services are not included in this Template:</p> <ul style="list-style-type: none"> • For Saufley Field, the incoming point of demarcation is where the water exits the utility provider’s meter just outside the fenceline. All components prior to this point of demarcation are considered part of the municipal utility and not covered in this contract. • The point of demarcation is where the water exits the building water meter or, if there is no meter, the supply side of the backflow preventer. All components beyond this point of demarcation are considered part of the facility or utility and are included in 1502000, 1502000BUMED, or the respective utility annex. • Repairs to the facilities (building structures) for raw water supply, water treatment plant, and distribution systems are included in 1502000 Facilities Investment. • Utility locate services are included in 1501000 Facility Management. • Utility escort services are included in 1601000 Utility Management.

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Water

1606000 - Water		
Spec Item	Title	Description
2	Management and Administration	
2.1	Personnel	The Water Treatment Plant must have Operators licensed at class C or higher as stated in Florida Administrative Code (FAC), Chapter 62-699, 24 hours a day 7 days a week. The Operators must have the knowledge and experience in operating the equipment of a water treatment plant and municipal water distribution. The Operators must have the ability to determine purified water demand and place well pumps in or out of service to maintain level of well water reservoir, as required. They must be experienced in chemical treatment of water to ensure purified water is within the prescribed limits of pH, chlorine and fluoride from the amount of water demand. The Contractor shall provide personnel with the qualifications, technical knowledge, experience and skills required to efficiently operate, maintain and repair the raw water supply, water treatment plant and distribution systems.
2.1.1	Certification, Training and Licensing	The Contractor shall employ certified water treatment plant Operators who are experienced in similar plants and systems to perform the requirements of this functional section. Each water treatment plant operator shall be licensed at Class C or higher as stated in Florida Administrative Code (FAC) chapter 62-699. The Contractor shall submit proof of all certification, training, and licensing requirements per Section F.
2.2	Special Requirements	
2.2.1	Sabotage or Security Breach	The Contractor shall immediately (within 2 hours) notify the Environmental Potable Water Program Manager (Government) and Utilities Potable Water Commodity Manager (Government) of the discovery of any actual or suspected sabotage or security breach, or any suspicious incident involving the PNRC Potable Water System. Verbal contact shall suffice for initial notification, with written notification to follow within four (4) hours.

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Water

1606000 – Water				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
3	Recurring Work	The Contractor shall efficiently operate and maintain the raw water supply, water treatment plant, and distribution system to ensure the safe production, treatment and distribution of quality, reliable potable water such that all potable water demand requirements are continually met.	<p>The Contractor shall shut-down, restart, and perform operational checks on all equipment affected by both scheduled and unscheduled utility outages.</p> <p>The water production and distribution system for Corry Station and NAS Pensacola begins at the wells at Corry Station and ends at (and includes) the cutoff valve, hydrant, meter or point of building entry (if no meter). For fire protection service lines, the distribution system ends at (but does not include) the backflow preventer. The water distribution system for Saufley Field begins at (but does not include) the utility meter just outside the fenceline and ends at (and includes) the cutoff valve, hydrant, meter or point of building entry (if no meter). For fire protection service lines, the distribution system ends at (but does not include) the backflow preventer.</p> <p>The Water Treatment Plant and Distribution System Description is provided in J-1606000-01.</p>	Potable water is continuously and safely produced and distributed and meets quality standards and demand requirements.
3.1	Operation	The Contractor shall operate the raw water supply, water treatment plant, and distribution systems to efficiently and safely produce and distribute quality potable water to ensure that all potable water requirements are met, 24 hours per day, seven days per week, throughout the contract period.	<p>Operation consists of “watch-standing” or attendance type work by a sufficient staff of qualified persons during a specified time period to ensure safe, reliable, efficient production and distribution of potable water.</p> <p>Operation of raw water supply, water treatment plant and distribution system includes equipment and system components, such as, reservoirs, wells, water storage tanks, pumps, filters, chemical treatment, valves and automatic controls, and includes tasks, such as, monitoring and regulation of equipment</p>	<p>Supply, plant and systems equipment and components are efficiently, safely and continuously operated per specified operating criteria to produce and distribute potable water to meet demand and minimum storage requirements.</p> <p>Unscheduled interruptions are minimized such that potable water quality and demand</p>

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Water

1606000 – Water				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>controls, maintaining operating records, logs, and reports, and examination, lubrication and minor adjustment of equipment and system components.</p> <p>The Contractor shall develop, update, and post in clear view Standard Operating Procedures (SOPs) in accordance with the below referenced standards. SOPs shall be submitted per Section F.</p> <p>Plant and systems equipment and components shall be efficiently and safely operated per UFC 3-430-09, and UFC 3-230-02.</p> <p>Safe operation shall ensure that all water treatment plant equipment requiring operator-attendance is staffed by trained, qualified personnel at all times of operation. The KO shall be notified immediately if unsafe conditions are discovered. The Notification of Unsafe Conditions Report shall be submitted per Section F.</p> <p>The water treatment plant shall be operated 24 hours per day, 7 days per week, year round.</p> <p>The volume of potable water produced shall be sufficient to meet demand while maintaining 60-65 psi in the distribution system and storage levels of 80% or better of total storage capacity.</p> <p>The Contractor shall notify the KO in the event that water storage levels fall below or are projected to fall below 80% of storage capacity. See paragraph 5 of Individual Water Use Permit No. 19841646 for maximum daily total, maximum daily average and</p>	<p>requirements are met 99 percent of the time annually.</p>

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1606000 – Water				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>maximum combined monthly withdrawal rates.</p> <p>The average combined potable water consumption for Corry Station and NAS Pensacola is 1.5 MGD during winter months (December-February) and 2.5 MGD during summer months (June-August). All other months average in between the two.</p> <p>In addition to other requirements, at a minimum, the Contractor shall comply with OPNAVINST 5090.1, NAVMED P-5010, Northwest Florida Water Management District Individual Water Use Permit No. 19841646, 40 CFR 141, Florida Statute Chapter 373, FAC 62-699.310, FAC 62-550, and FAC 62-555.</p> <p>Historical Chemical And Material Usage is provided in J-1606000-02.</p>	
3.1.1	Water Quality	The Contractor shall produce and distribute potable water to ensure the specified water quality standards are met and in compliance with the regulatory operating permit.	<p>Water quality shall meet all Federal, state and local authority regulations, certifications and requirements.</p> <p>Water Permits are available from the Northwest Florida Water Management District.</p> <p>Water quality shall comply with all federal, state, and local statutes, executive orders, and regulations such as 40 CFR 141 (NPDWR), 40 CFR 142, 40 CFR 143 (NSDWR), 40 CFR 144, 40 CFR 145, 40 CFR 146, 40 CFR 147, EPA Operator Certification Guidelines Implementation Guidance of Jan 2000, Public Law 107-188, USD(AT&L) Memorandum of 3 Jul 2003, DoD Policy on Drinking Water Vulnerability Assessments and Emergency Response Plans, EPA, Cross Connection Control Manual, 1973, updated 2003,</p>	Potable water quality complies with the regulatory operating permit.

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1606000 – Water				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>American Water Works Association Manual of Standard Practices, Emergency Planning for Water Utility Management, Public Law 104-182, Safe Drinking Water Act Amendments of 1996, Florida Safe Drinking Water Act Sections 403.850-.864, FAC 62-550, FAC 62-555, FAC 62-560, OPNAV M-5090.1, and Certificate to Operate (CTO), as applicable.</p> <p>Minimum quantities and frequencies of sampling and laboratory analyses of potable water shall be performed per federal, state, and local regulations such as 40 CFR 141, FAC 62-550, FAC 62-555, and OPNAV M-5090.1 and local regulations.</p> <p>Minimum quantities and frequencies of off-site analyses of waste water, generated by potable water operations, shall be performed by an independent certified laboratory which shall meet all laboratory certification requirements per USEPA for Safe Drinking Water Act and local regulations.</p> <p>If water chemistry is confirmed, through independent laboratory analyses, not to be in compliance with quality standards, the Contractor shall immediately notify the KO, Water Commodity Manager and UEM Branch Head and adjust the water chemistry within two days to meet all regulatory requirements.</p> <p>All laboratory analysis of water shall be reported to the Government monthly and made available for review upon request.</p>	

Section C – 1606000
Water

1606000 – Water				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
			The number of sampling points is provided in J-1606000-01.	
3.1.2	Operating Records, Logs, and Reports	<p>The Contractor shall prepare, submit and maintain operating records, logs and reports for in-process tracking of plant output characteristics to ensure records, logs, and reports are current and complete.</p> <p>The Contractor shall develop and update standard operating procedures to ensure operating processes and Plant and Systems configuration are current.</p>	<p>The Contractor shall maintain a daily log at the Corry Station Water Treatment Plant of readings taken at 0800 hours daily. Required readings include:</p> <ol style="list-style-type: none"> 1) Rates for the following flow meters: Corry 0800 Read, NAS 0800 Read, and 24" 0800 Read. 2) Volume pumped at each of the 10 wells. <p>The Contractor shall maintain a daily log at the Saufley Field Booster Pump Room of the three Clearwell Pump Hours, ECUA Water Meter Reading, and B804 Water Meter Reading.</p> <p>A report of these readings shall be forwarded to the PWD Pensacola Water Commodity Manager with the monthly meter readings per Section F.</p> <p>The Contractor shall collect all necessary information, prepare, and submit the Standard Water Use report required by Permit 19841646.</p>	<p>All required operating records, logs, and reports are maintained current and complete and applicable copies provided to the KO within the specified times.</p> <p>All required procedures are maintained current and complete.</p>
3.3	Integrated Maintenance Program (IMP)	The Contractor shall develop and implement an integrated maintenance program for the raw water supply, water treatment plant and distribution system equipment to ensure all equipment and components remain in optimum condition and sustain maximum life.	<p>The Contractor shall develop and submit an IMP, per Section F.</p> <p>The IMP shall include the Contractor's approach for integrated maintenance, including maintenance and inspection tasks, schedules for planned work accomplishment, plan for minimizing occurrence of repair and downtime, process for the identification of the need for repairs, and the process for scheduling and completing repair work.</p> <p>As part of the IMP, the Contractor has full responsibility for any individual occurrence of repair, including replacement, up</p>	<p>Maintenance is accomplished in accordance with Contractor's IMP and work schedule.</p> <p>All repairs costing at or less than the Contractor's limit of liability are responded to within two hours following Contractor discovery or Government notification during regular working hours, four hours after regular working hours and</p>

Section C – 1606000
Water

1606000 – Water				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>to and including 32 direct labor hours and/or \$2,500 in direct material cost. See examples below.</p> <p>Three examples of work exceeding the Recurring Work limit of liability:</p> <ol style="list-style-type: none"> 1. If a repair requires 33 direct labor hours and \$2,500 in direct material cost, the Government may issue a task order in accordance with the Non-recurring Work portion of the contract for the one direct labor hour that exceeds the Recurring Work limit of liability. 2. If a repair requires 32 direct labor hours and \$2,600 in direct material cost, the Government may issue a task order in accordance with the Non-recurring Work portion of the contract for the \$100 in direct material cost that exceeds the Recurring Work limit of liability. 3. If a repair requires 33 direct labor hours and \$2,600 in direct material cost, the Government may issue a task order in accordance with the Non-Recurring Work portion of the contract for the one direct labor hour and \$100 in direct material cost that exceeds the Recurring Work limit of liability. <p>The limit of liability for repair includes only direct material and direct labor. The government will not be responsible for reimbursement of any other associated cost as part of the repair limit of liability.</p> <p>The Contractor shall notify the KO upon identification that the</p>	<p>complete the repair within 48 hours.</p> <p>For emergencies, the Contractor shall respond within one hour of Contractor discovery or Government notification.</p> <p>Emergencies shall be arrested within 24 hours of receipt of call.</p> <p>Work is continued without interruption until emergent condition is arrested.</p> <p>Systems and equipment are maintained and repaired to sustain a fully functional and operable condition in accordance with OEM specifications.</p>

Section C – 1606000
Water

1606000 – Water				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>repair will exceed the liability limits specified above in accordance with reporting requirements in Annex 2. If Non-Recurring work is issued to complete the repairs, the Government will only pay for the portion of direct labor and/or direct material that exceeds the repair limits.</p> <p>The Contractor shall perform all repairs, whether identified as part of their routine IMP accomplishment, QC inspections, or notification from the Government that a breakdown or malfunction has occurred.</p> <p>If the Government identifies a problem or a need for repair, the Government will contact the work reception desk. Service orders will not be issued for accomplishment of repairs on systems and equipment maintained under IMP.</p> <p>The IMP shall include all equipment and components of the raw water supply, water treatment plant and collection system, such as, reservoirs, wells, water storage tanks, pumps, filters, chemical treatment, valves and automatic controls, and supply, plant and distribution system piping.</p> <p>The IMP, inclusive of repair and replacement, shall be performed per AWWA, ANSI and NFPA Standards, OMSI, equipment manufacturer's recommendations, and commercially accepted practices.</p> <p>The Contractor shall submit a Monthly IMP Schedule and IMP Maintenance and Repair Status Report per Section F.</p>	

Section C – 1606000
Water

1606000 – Water				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
			The Water Treatment Plant and Distribution System Description is provided in J-1606000-01.	

Section C – 1606000
Water

1606000 - Water				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
4	Non-recurring Work	Non-recurring work may be ordered utilizing DoD EMALL/FEDMALL in accordance with Section H or on a task order in accordance with the PROCEDURES FOR ISSUING ORDERS clause in Section G. The order will specify the exact locations and types of work to be accomplished. The period of performance will be specified in each order.	Refer to Non-recurring Work ELINs for task listings, descriptions and related requirements. All periods of performance are measured from issue date of order to acceptance of the work. Performance Standards for non-recurring work will be the same as those in Spec Item 3 where applicable.	

Section C – 1607000
Chiller

1607000 – Chiller	
Spec Item	Title
1	General Information
1.1	Concept of Operations
2	Management and Administration
2.1	Personnel
2.1.1	Certification, Training and Licensing
2.2	Special Requirements
2.2.1	Work Coordination
3	Recurring Work
3.1	Operation
3.1.1	Chiller Plant Controls and Monitoring System
3.1.2	Chiller Plant and Hydronic Systems Testing and Treatment Programs
3.2	Integrated Maintenance Program
4	Non-recurring Work

Section C – 1607000
Chiller

1607000 – Chiller Plant		
Spec Item	Title	Description
1	General Information	The Contractor shall provide all labor, management, supervision, tools, material, and equipment to continuously operate, maintain and repair the chiller plants and distribution systems located at Pensacola Naval Regional Complex (PNRC).
1.1	Concept of Operations	<p>The intent of 1607000 Chiller Plant is to specify the requirements for providing chiller plant and air conditioning services. Included are services such as operating, maintaining and repairing the chiller plant and distribution system, chilled water testing and treatment, and provision of portable chiller systems to augment the chiller plant as necessary. The following services are not included in this Template:</p> <ul style="list-style-type: none"> • This annex applies to chiller plant(s) that are part of the chilled water commodity. Chiller plant(s) that are not part of the chilled water commodity are included in 1502000, Facilities Investment. • The supply side points of demarcation are the final electrical disconnect for equipment and the supply side of the backflow preventer. Disconnects and backflow preventers are considered part of the utility system. Prior to this point is covered either by 1502000 Facilities Investment, 1602000 Electrical, or 1606000 Water. • The facility side points of demarcation are the isolation valve in the chilled water supply line to the facility and the isolation valve in the chilled water return line from the facility. Isolation valves and meters are considered part of the utility system. Systems/equipment beyond this point is covered by 1502000 Facilities Investment. • Repairs to the facilities (building structures) for Chiller Plants are included in 1502000 Facilities Investment. • Utility locate services are included in 1501000 Facility Management. • Utility escort services are included in 1601000 Utility Management.

Section C – 1607000
Chiller

1607000 – Chiller Plant		
Spec Item	Title	Description
2	Management and Administration	
2.1	Personnel	The Contractor shall provide personnel with the qualifications, technical knowledge, experience and skills required for efficient operations within the chiller plant function.
2.1.1	Certification, Training and Licensing	<p>Chiller plant operators shall comply with ASME and EPA certification guidance exhibiting knowledge and skills of chiller plant air conditioning/Hydronic Systems production.</p> <p>The Contractor shall employ only technicians trained and certified per the requirements of 40 CFR Part 82 EPA Regulations on the Protection of Stratospheric Ozone, who use approved recovery and recycling equipment, and who test, maintain, service, repair or dispose of industrial process refrigeration and air conditioning systems and equipment.</p> <p>Operators for the Bldg 2270 Plant shall be familiar with The Joint Commission requirements and shall be trained per requirements stated in Annex 1502000 BUMED.</p>
2.2	Special Requirements	
2.2.1	Work Coordination	The contractor shall coordinate all maintenance and repair work and outages in a manner that minimizes the disruption of air conditioning services.

Section C – 1607000
Chiller

1607000 – Chiller Plant				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
3	Recurring Work	The Contractor shall efficiently operate and maintain the chiller plant and distribution system to ensure the safe production and distribution of quality, reliable chilled media, such that all chilled media requirements are continually met.	<p>Unless otherwise specified by the KO, the Contractor shall typically operate the plant in Building 3706 at Corry Station in accordance with NASPNCLAINST 4100.2H, Enclosure (2), Paragraph 5.(a) and 5.(b), 24/7, and the plants in Buildings 3561, 3291, and 3909 at NASP and the plant in Building 2270 at NHOS year round, 24/7.</p> <p>The Contractor shall shut-down, restart, and perform operational checks on all equipment affected by both scheduled and unscheduled utility outages at no additional cost to the Government.</p> <p>The current Chiller Plant and Distribution System Description is provided in J-1607000-01. The chiller system may include a condenser water loop, and a cooling tower system. The contractor shall maintain the current drawings, equipment inventories and diagrams and will keep them current, per Annex 1601000, Spec Item 3.1.1.</p>	Chilled media is continuously and safely provided and meets all temperature and humidity control requirements.
3.1	Operation	The Contractor shall operate the chiller plants and distribution systems to ensure the efficient and safe production of chilled media to meet all air conditioning requirements at all times of operation, throughout the contract period.	<p>Operation consists of “watch-standing” or attendance type work by a sufficient staff of qualified persons during a specified time period to ensure safe, reliable, efficient production and distribution of chilled media.</p> <p>Operation of the chiller plants and distribution systems includes equipment and system components such as chillers, pumps, valves, cooling tower (s), chemical treatment devices, monitoring and control systems, open and closed loop hydronic systems, and meters, and distribution lines, and includes tasks such as monitoring and</p>	<p>Chiller plant and distribution system equipment and components are efficiently, safely and continuously operated per specified operating criteria to produce chilled media to satisfy operational requirements.</p> <p>Unscheduled interruptions are minimized such that all air conditioning requirements are met 99 percent of</p>

Section C – 1607000
Chiller

1607000 – Chiller Plant				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>regulation of equipment controls; maintaining operating records, logs, and reports; and examination, lubrication and minor adjustment of equipment and system components. The Contractor shall prepare and update operating procedures to reflect current operating processes and plant and systems configuration.</p> <p>Plants and systems equipment and components shall be efficiently and safely operated per OMSI and other specific operating manuals, procedures, and instructions.</p> <p>For safe operations, the Contractor shall ensure that all chiller plant equipment requiring operator attendance is staffed by qualified personnel at all times of operation. The KO shall be notified immediately if unsafe conditions are discovered. The Notification of Unsafe Conditions Report shall be submitted per Section F.</p> <p>One qualified operator shall be assigned to Building 2270, 24 hours per day, seven days per week. This watch stander shall not be part of the Contractor staffing required by any other annex.</p> <p>The Contractor shall develop, update, submit and post in clear view for operators, written Standard Operating Procedures as specified in OMSI manuals and manufacturers' directions and as specified per section F.</p> <p>The Contractor shall advise the Government when the requirement for make-up water is above operational standards.</p> <p>The Contractor shall provide</p>	the time annually.

Section C – 1607000
Chiller

1607000 – Chiller Plant				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
			indicators of plant operational efficiency to include, but not be limited to, water quality analysis and temperature and pressure of chilled water and refrigerant.	
3.1.1	Chiller Plant Controls and Monitoring System	The Contractor shall operate the chiller plant controls and monitoring system to ensure the efficient production and distribution of chilled media.	<p>The Contractor shall submit an annual system monitoring schedule to the KO for approval within 30 days following contract award. The plan should clearly indicate how the Contractor will be aware of the current operational status of all systems identified in the Technical Library, such that PM, remedy issues, and reports can be performed or provided in a timely manner. Minimum system monitoring requirements are provided in J-1502000-08.</p> <p>The Contractor shall establish system logs and record date and time of monitoring, overall system and equipment condition and performance, the name of the individual performing the monitoring, and all comments, problems, and identification of maintenance required.</p>	The chiller plant's operating parameters are continuously maintained as designed and per OEM standards.
3.1.2	Chiller Plant and Hydronic Systems Testing and Treatment Programs	The Contractor shall provide and implement a Chiller Plant and Hydronic Systems Testing and Treatment Program to ensure optimum equipment operation and efficiency.	The Contractor shall develop and submit per Section F, a Chiller Plant and Hydronic Systems Testing and Treatment Program in accordance with manufacturers' recommendations for applicable equipment to include collection of samples, testing and treatment of Hydronic Systems. The program shall include specific provisions for testing and treatment of both the chilled water loops and the condenser water to cooling tower loops.	Test results confirm that Chiller Plant and Hydronic Systems meet the testing schedule and chemical residual limits per the Contractor's incorporated Chiller Plant and Hydronic Systems Testing and Treatment Program.
3.2	Integrated Maintenance Program (IMP)	The Contractor shall develop and implement an IMP program for the chiller plants and distribution systems to ensure they are safe, fully	<p>The Contractor shall develop and submit an IMP per Section F.</p> <p>The IMP shall include the Contractor's approach for integrated maintenance, including maintenance and</p>	<p>Maintenance is accomplished in accordance with Contractor's IMP and work schedule.</p> <p>All repairs costing at or less than the</p>

Section C – 1607000
Chiller

1607000 – Chiller Plant				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
		functional, and operational.	<p>inspection tasks, schedules for planned work accomplishment, plan for minimizing occurrence of repair and downtime, process for the identification of the need for repairs, and the process for scheduling and completing repair work.</p> <p>As part of the IMP, the Contractor has full responsibility for any individual occurrence of repair, including replacement, up to and including 32 direct labor hours and/or \$4,000 in direct material cost. See examples below.</p> <p>Three examples of work exceeding the Recurring Work limit of liability:</p> <ol style="list-style-type: none"> 1. If a repair requires 33 direct labor hours and \$4,000 in direct material cost, the Government may issue a task order in accordance with the Non-recurring Work portion of the contract for the one direct labor hour that exceeds the Recurring Work limit of liability. 2. If a repair requires 32 direct labor hours and \$4,100 in direct material cost, the Government may issue a task order in accordance with the Non-recurring Work portion of the contract for the \$100 in direct material cost that exceeds the Recurring Work limit of liability. 3. If a repair requires 33 direct labor hours and \$4,100 in direct material cost, the Government may issue a task order in accordance with the Non-Recurring Work portion of the contract for the one direct labor hour and \$100 in direct material cost that 	<p>Contractor’s limit of liability are responded to within two hours following Contractor discovery or Government notification during regular working hours, four hours after regular working hours and complete the repair within 48 hours.</p> <p>For emergencies, the Contractor shall respond within one hour of Contractor discovery or Government notification.</p> <p>Emergencies shall be arrested within 24 hours of receipt of call.</p> <p>Work is continued without interruption until emergent condition is arrested.</p> <p>Systems and equipment are maintained and repaired to sustain a fully functional and operable condition as designed and in accordance with OEM specifications.</p>

Section C – 1607000
Chiller

1607000 – Chiller Plant				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>exceeds the Recurring Work limit of liability.</p> <p>The limit of liability for repair includes only direct material and direct labor. The government will not be responsible for reimbursement of any other associated cost as part of the repair limit of liability.</p> <p>The Contractor shall notify the KO upon identification that the repair will exceed the liability limits specified above in accordance with reporting requirements in Annex 2. If Non-Recurring work is issued to complete the repairs, the Government will only pay for the portion of direct labor and/or direct material that exceeds the repair limits.</p> <p>The Contractor shall perform all repairs, whether identified as part of their routine IMP accomplishment, QC inspections, or notification from the Government that a breakdown or malfunction has occurred.</p> <p>If the Government identifies a problem or a need for repair, the Government will contact the work reception desk. Service orders will not be issued for accomplishment of repairs on systems and equipment maintained under IMP.</p> <p>The Contractor shall submit a Monthly IMP Schedule and IMP Maintenance and Repair Status Report per Section F.</p>	

Section C – 1607000
Chiller

1607000 – Chiller Plant				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
4	Non-recurring Work	Non-recurring work may be ordered utilizing DoD EMALL/FEDMALL in accordance with Section H or on a task order in accordance with the PROCEDURES FOR ISSUING ORDERS clause in Section G. The order will specify the exact locations and types of work to be accomplished. The period of performance will be specified in each order.	Refer to Non-recurring ELINs for task listings, descriptions and related requirements. All periods of performance are measured from issue date of order to acceptance of the work. Performance Standards for non-recurring work will be the same as those in Spec Item 3 where applicable.	

Section C – 1700000
BSVE

1700000 – Base Support Vehicles and Equipment	
Spec Item	Title
1	General Information
1.1	Concept of Operations
2	Management and Administration
2.1	Definitions and Acronyms
2.2	Personnel
2.2.1	Certification, Training, and Licensing
2.3	Special Requirements
2.3.1	Safety
2.3.2	Audits and Inspections
2.3.3	Special Vehicle Maintenance and Repair Requirements
2.3.3.1	Established Priorities
2.3.3.2	Allowable Downtime Standards
2.3.3.3	Downtime Computation
2.3.3.4	Temporary Suspensions of Downtime Standards
2.3.3.5	Excessive Repairs
2.4	Records and Reports
2.4.1	Work Orders (WO's)
2.5	Labor Requirements
2.6	Fleet Size
2.7	References and Technical Documents
3	Recurring Work
3.1	Support Services
3.1.1	Operator Training, Testing, and Licensing
3.1.2	Dispatching Service
3.1.3	GSA Leased Vehicles
3.1.3.1	Maintenance Support Services for GSA Leased Vehicles
3.1.3.2	Support Services for Received, Replaced and/or Reassigned GSA vehicles and Equipment
3.1.4	Received and/or Reassigned Government Owned Vehicles and Equipment Services
3.2	Maintenance and Repair (Government Owned Vehicles and Equipment)
3.2.1	Preventive Maintenance, Inspections, Testing and Certification of CESE, MHE, OHE and AWP.
3.2.2	Preventative Maintenance, Inspection, Load Test and Certification Support of Weight Handling Equipment
3.2.3	BSVE Repair (CESE, WHE, MHE, OHE, AWP, Fire and Emergency Vehicles)
3.2.4	BSVE Trouble Calls
4	Non-Recurring Work

Section C – 1700000
BSVE

1700000 – Base Support Vehicles and Equipment		
Spec Item	Title	Description
1	General Information	The Contractor shall provide all labor, management, supervision, tools, material, and equipment required to perform Base Support Vehicles and Equipment services at Naval Air Station Pensacola.
1.1	Concept of Operations	The intent of 1700000 BSVE is to specify the requirements for a transportation program consisting of vehicles and equipment maintenance and repairs, vehicle and equipment operations to include dispatch, operator licensing and training, inspection and certification, and specified administrative program management.

Section C – 1700000
BSVE

1700000 – Base Support Vehicles and Equipment		
Spec Item	Title	Description
2	Management and Administration	
2.1	Definitions and Acronyms	Definitions and Acronyms are listed in J-1700000-01.
2.2	Personnel	The Contractor shall provide personnel with the qualifications, technical knowledge, experience and skills required for efficient operations within the BSVE function.
2.2.1	Certification, Training, and Licensing	<p>BSVE operators shall comply with all Federal, state, and local laws and regulations regarding certification, training and licensing.</p> <p>Weight Handling Equipment (WHE) / Material Handling Equipment (MHE), Ordinance Handling Equipment (OHE), Civil Engineering Support Equipment (CESE) operators shall comply with the standards stated in NAVFAC P-307, NAVSUP P-538, NAVSEA OP-2239, and NAVFAC P-300.</p> <p>Personnel working on electric vehicles shall be certified to work on the electrical components, sub-assemblies and assemblies.</p>
2.3	Special Requirements	
2.3.1	Safety	<p>Vehicles used for transporting ammunition, explosives, or other dangerous/hazardous material shall be marked and operated per NAVSEA OP-2239 and the rules and regulations prescribed by the Federal Motor Carrier Safety Regulations, U.S. Department of Transportation, Federal Highway Administration, Bureau of Motor Carrier Safety.</p> <p>Necessary permits for the movement of overweight/oversized loads on public highways shall be obtained.</p>
2.3.2	Audits, Evaluations and Inspections	The Contractor shall provide assistance and cooperation for all authorized transportation related inspections, internal reviews, and audits conducted by the Government. The Government and other external agencies perform approximately five audits and inspections per year.
2.3.3	Special Vehicle Maintenance and Repair Requirements	
2.3.3.1	Established Priorities	<p>The Fleet Inventory shown in J-1700000-05 through J-1700000-08 indicates the priority assigned to each piece of BSVE in the fleet. The Government may change the priorities of up to 10% of the BSVE without a contract modification. The Contractor shall perform maintenance and repair in accordance with the timeframes established in the following priorities:</p> <p><u>Priority 1</u> Generally, Priority 1 BSVE includes emergency vehicles (ambulances, fire trucks, police sedans and pickups), utility boom bucket trucks, and automobiles assigned to Commanding Officers and their staffs. However, the KO may designate Priority 1 work without regard to the type of vehicle use. Work on BSVE in this category shall start immediately after being reported down or received in the shop (whichever is earlier) during regular working hours, and within two hours after regular working hours. In the event BSVE</p>

Section C – 1700000
BSVE

1700000 – Base Support Vehicles and Equipment		
Spec Item	Title	Description
		<p>will be down more than 24 continuous hours, the Contractor shall notify the KO of the reason for the delay, action being taken to shorten the delay, and the estimated day and hour BSVE will be returned to service. Excluding such delays, the Contractor shall work uninterrupted until maintenance/repair is complete.</p> <p><u>Priority 2</u> Generally, Priority 2 BSVE includes designated buses, automobiles assigned to base tenant activity staffs, emergency service vehicles, cranes, and MHE. However, the KO may designate Priority 2 work without regard to the type of vehicle use. Work shall start on BSVE in this category within two hours after being reported down or received in the shop (whichever is earlier) during regular working hours, and within four hours after regular working hours. In the event BSVE will be down more than 48 continuous hours, the Contractor shall notify the KO of the reason for the delay, action being taken to shorten the delay, and the estimated day and hour BSVE will be returned to service. Excluding such delays, the Contractor shall work uninterrupted until maintenance/repair is complete.</p> <p><u>Priority 3</u> Work shall commence on BSVE in this category within one working day after being reported down or received in the shop, whichever is earlier.</p>
2.3.3.2	Allowable Downtime Standards	<p>The Contractor shall manage the overall maintenance effort so BSVE downtime does not exceed the allowable downtime standards specified herein. For the purpose of computing downtime, regular working hours is defined as eight hours per day, 0730-1130 and 1200-1600, Mondays through Fridays, except observed Federal holidays.</p> <p>Downtime hours per work order/service order shall not exceed the Allowable Individual Downtime by Alpha Code specified in J-1700000-04.</p> <p>Additionally Downtime hours per individual alpha group shall not exceed 5% of the total available hours per individual alpha group per month (invoice period). For any given alpha group, the total hours of availability per month equals the total number of units in the group times the number of regular working hours per month.</p>
2.3.3.3	Downtime Computation	<p>Downtime commences upon work order initiation.</p> <p>Downtime will terminate when a work order is resolved.</p> <p>Any time period that BSVE is returned to the Contractor for rework shall be included in the downtime computation. Any time period BSVE is under the control of the Government shall not be included in the downtime computation. If the Government elects to have work performed by other than the Contractor, any downtime associated with such performance will not be included in the downtime computation. When computing downtime, fractions of hours shall be rounded to the nearest hour (less than 30 minutes = 0, 30 minutes or more = one hour).</p>
2.3.3.4	Temporary Suspensions of Downtime Standards	<p>When the Contractor experiences a delay in material receipt that will cause the individual unit downtime of a particular unit to exceed the allowable time, the Contractor shall submit a Temporary Suspension of Downtime Accumulation per Section F. Written requests shall include a copy of a purchase order showing the material order date and expected delivery date, and information demonstrating the lack of required material is beyond the</p>

Section C – 1700000
BSVE

1700000 – Base Support Vehicles and Equipment		
Spec Item	Title	Description
		<p>Contractor's control.</p> <p>Downtime suspensions will not be approved if the material in question should have been stocked in adequate quantities to meet expected demand was not ordered to allow for adequate vendor lead times, or if the shipping method used to transport the material causes/contributes to the delay.</p> <p>If granted, suspension of downtime accumulation will only cover the period from the date/time the Contractor's written request was provided to the KO to the date/time the material is received. The Contractor shall notify the KO immediately upon receipt of the material, and provide written documentation showing date and time of receipt.</p>
2.3.3.5	Excessive Repairs	<p>The one-time repair limits set forth in Appendix F of NAVFAC P-300 do not apply. The Contractor shall perform all manufacturer recommended maintenance as well as repairs not due to accident or misuse, regardless of the cost of the repair or age of the BSVE.</p> <p>Any BSVE that exceeds NAVFAC P-300 life expectancies shall be maintained as if it were in its last year of life expectancy. For example, an eight-year old BSVE Code (EC) 0313 pickup truck shall receive the same level of maintenance as a six-year old pickup truck.</p>
2.4	Records and Reports	<p>The contractor shall be responsible for maintaining all fleet records required in this annex and maintaining the status and location of all BSVE in the Government CMMS (currently Fleet Maximo).</p> <p>The Contractor shall maintain BSVE, CESE, AWP, MHE, and WHE records and reports in accordance with NAVFAC P-300, NAVFAC P-307 and NAVSUP 538. Such records include the following:</p> <ol style="list-style-type: none"> a. Individual vehicle/equipment history jackets b. Accident damage repair estimates c. Vehicle repair status d. Annual safety and reliability inspection checklists e. Enter/maintain monthly mileage report from activity in MAXIMO <p>The Contractor is responsible for validation, accountability and accuracy of CESE, MHE, and WHE documents and CMMS data fields. Records shall conform to the directives set forth by NAVFAC HQ, NAVFAC-SE, and CMMS reference guides. All physical and digital records are subject to Navy Audit's and evaluations. The Contractor shall ensure reports and data are accurate, on time and completed in the Governments Computerized Maintenance Management Systems on a daily basis.</p> <p>Reports are listed in Section F of the solicitation. The Contractor shall submit accurate and complete documents within the required timeframes.</p>
2.4.1	Work Orders (WO's)	<p>The Contractor shall prepare WO's per NAVFAC P-300 in the Government computerized maintenance management system (Government CMMS- currently Fleet Maximo) for all work performed. WO's shall be prepared and entered into CMMS within 30 minutes of vehicle receipt. WO's for service calls or field breakdowns shall be prepared and entered into the CMMS within 30 minutes of caller notification. The Contractor shall enter a detailed description of maintenance/repairs performed with each work order, actual material and labor cost, and labor hours shall be included. The Contractor</p>

Section C – 1700000
BSVE

1700000 – Base Support Vehicles and Equipment		
Spec Item	Title	Description
		shall maintain commercial WO's for any work covered by warranties and recalls. WO reporting requirements are in Section F.
2.5	Labor Requirements	Chilton Labor Guide, Mitchell Mechanical Parts/Labor Estimating Guide, or similar estimating sources shall be used for determining the number of flat rate hours required to complete the scope of work. Total labor cost will be determined by totaling the number of flat rate hours and then multiplying by the flat rate hour unit price.
2.6	Fleet Size	<p>Fleet size shall be based upon the actual quantity of equipment in the fleet at a given time, and is not a cumulative total of the equipment maintained throughout the contract. The number of BSVE may vary as much as 5% without a contract modification.</p> <p>Additionally, the contract inventory shall be adjusted semi-annually based on actual inventory that has been in the Governments CMMS for a minimum of 60 days.</p> <p>Contractor acquired equipment provided to offset non-availability when the Contractor exceeds maximum allowable downtime standards shall not be considered additions to the fleet.</p> <p>Each item of equipment pending removal from the fleet, and its designated replacement, shall be counted as a single unit for inventory purposes while the replacement unit is prepared for service (e.g., corrosion protection, equipment installation, marking, and record establishment). Repairs to keep equipment safe and reliable while pending disposition shall be required.</p>
2.7	References and Technical Documents	References and Technical Documents are listed in J-1700000-02.
2.8	Workmanship and Material Standards	<p>The Contractor shall be responsible for maintaining all BSVE (to include CESE, WHE, MHE and support equipment), identified in this technical sub-annex to a standard that prevents deterioration beyond that which results from normal wear and tear and corrects deficiencies within specified times to assure full life expectancy of the BSVE (to include CESE, WHE, MHE and, and support equipment). Best commercial practices shall be applied in the performance of work. All work shall be completed per approved equipment manufacturers' and accepted industry standards and shall comply with safety codes, applicable activity, local, state, and federal regulations, and other technical requirements identified within this technical sub-annex.</p> <p>Workmanship for maintenance and repair shall include all work necessary to safely return BSVE (to include CESE, WHE, MHE and support equipment) to service, including corrosion control and operational checks. Workmanship includes repair of coating systems damaged during maintenance or repair. Upon completion of work, the Contractor shall ensure all BSVE (to include CESE, WHE, MHE and support equipment) are free of missing components or defects which would affect the safety, appearance or operation of the BSVE (to include CESE, WHE, MHE and support equipment) or would prevent any electrical, mechanical, or structural system from functioning in accordance with design intent. Repairs shall be made in accordance with the manufacturers' specifications and guidelines. The quality of repairs shall meet the applicable standards and shall prevent any malfunction reoccurrences caused by poor workmanship or other contractor inadequacies. The quality of the repaired areas shall be fully compatible with adjacent surfaces or equipment. Except where otherwise specified, replacements shall</p>

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Spec Item	Title	Description
		<p>match existing components and interior and exterior paint/coating in dimensions, finish, color, design, and functionality and shall have an appearance similar to the original finished appearance with only minor unobjectionable deterioration resulting from normal use. Additional Appearance standards are found in J-1700000-03.</p> <p>The Contractor shall not allow debris to spread unnecessarily into adjacent areas nor accumulate in the work area. All such debris, excess material, and parts shall be cleaned up and removed at the completion of the job and at the end of each day work is in progress. Upon completion of work, any stains and other unsightly marks shall be removed.</p> <p>The Contractor shall secure and organize all tools, equipment and materials (used and un-used); to prevent loss and ensure a clean and safe working environment in the immediate working area as well as all adjacent areas. The Contractor shall adequately secure all material stored on cranes and other vehicles and equipment to prevent injury from overhead falling objects and debris.</p>
2.9	Warranty Management	<p>The Contractor shall provide Warranty Management in accordance with the requirements identified in Annex 0200000.</p> <p>The start date of warranties is assumed to be the birth certificate date of each vehicle.</p> <p>The Contractor shall be responsible for transporting vehicles under warranty to and from the applicable repair facility where the warranty work will be performed. The costs to repair items under warranty at the time of the repair shall not be included in the Recurring Work portion of this contract; except for the costs to transport equipment to the warranty vendor.</p>
2.9.1	Certified Warranty vendor for Low Speed Vehicles (LSVs)	<p>The Contractor may at their option, become a Certified Warranty vendor for LSVs.</p> <p>If the Contractor elects to perform the Warranty Work the contractor is responsible for collecting payment for the work from Vendors. The cost of this work shall not be included in the Recurring Work Portion of this contract.</p>

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
3	Recurring Work	The Contractor shall perform operations, support services, and maintenance of BSVE to ensure a well-managed and executed BSVE Program.	<p>Provide the base support vehicle and equipment management, operations, inspection, testing, certification and maintenance functions identified below under the requirements of this contract.</p> <p>CESE, MHE, and WHE services shall comply with federal, state, local regulations, applicable instructions, publications, manuals, directives, manufacturer’s specifications, and recommendations, such as:</p> <ul style="list-style-type: none"> a. NAVFAC P-300 b. NAVFAC P-307 c. Executive Order 13693 d. NAVSUP P-538 e. NAVSEA SWO23 f. NAVSEA OP5 g. NAVCRANECENINST 11450.2 h. National Fire Protection Association Regulations (NFPA) i. National Highway Traffic & Safety Administration j. National Electrical Code (NEC) <p>Conflicting guidance shall be resolved by the KO.</p> <p>Workmanship Standards are found in Spec item 2.7 of this annex and Appearance Standards are found in J-1700000-03.</p>	<p>BSVE are safe, reliable per NAVFAC P-300, NAVFAC-P307, NFPA regulations, NAVSUP P-538, and applicable regulations.</p> <p>BSVE work performed shall conform with Workmanship Standards and appearance standards.</p>
3.1	Support Services	The Contractor shall provide BSVE support services to ensure that the service requirements are met.		Support services are performed in an efficient, accurate, and timely manner.
3.1.1	Operator Training, Testing, and Licensing	The Contractor shall provide operator training, testing, and licensing services to ensure all licensed activity personnel who will be operating CESE	<p>Provide operator training, testing, and licensing services for all military and Government civilian personnel who will be operating Civil Engineering Support Equipment (CESE) or Material Handling Equipment (MHE).</p> <p>Operators engaged in</p>	<p>Training, Testing, and Licensing is performed in accordance with applicable regulations.</p> <p>Testing occurs within 24 hours of</p>

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		or MHE are fully qualified.	<p>transporting ammunition, explosives, or other dangerous/hazardous materials are qualified in accordance with 49 CFR Chapter 3, NAVSEA OP2239 and NAVFAC P-300</p> <p>License applicants provide proof of appropriate physicals and credentials.</p> <p>Training, Testing, and Licensing is performed in accordance with NAVFAC P-300 for CESE equipment operators, NFPA for Fire and Emergency Equipment operators and NAVSUP P-538 for MHE operators. Prepare operator-licensing jackets in accordance with NAVFAC P-300 and NAVSUP P-538. Operator licensing jackets shall be available for the KO to review when requested.</p> <p>Historically 1,000 licenses are issued annually.</p>	<p>training completion.</p> <p>Appropriate license is issued within 24 hours of passing testing requirements.</p> <p>Records are accurate and available when requested.</p>
3.1.2	Dispatching Service	The Contractor shall provide C Pool vehicle dispatching service for BSVE to ensure vehicles are dispatched in a timely manner.	<p>Provide a dispatching service during working hours and after working hours and on weekends and holidays as necessary to support customer requirements.</p> <p>Provide service within 15 minutes plus or minus of scheduled time during working hours and scheduled work after hours. Provide service within 2 hours for unscheduled work after working hours.</p> <p>Vehicles and equipment dispatched are inspected at check-out and check-in, and discrepancies are noted by the operator on NAVFAC Form 11260/4, NAVFAC Form 9-11240/13 or Operator’s Daily Checklist (ODCL) as applicable.</p> <p>The Contractor shall ensure compliance with GSA Fleet Guide and Accident Reporting.</p>	<p>Dispatch service is provided during both normal Government working hours and after normal Government working hours as required.</p> <p>Dispatch clean, safe, reliable, fueled, and properly suited vehicles within specified time periods.</p> <p>NAVFAC Forms 11260/4, 11240/13, SF-91 and Equipment dispatch records in Government CMMS are accurate, complete</p>

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			<p>Vehicles and equipment shall be dispatched with the required Trip Ticket, SF-91 Accident Report, and WEX fuel card.</p> <p>Vehicle dispatch information is recorded in Government CMMS (currently Maximo). The Contractor is required to develop an electronic dispatch form.</p> <p>Ensure that C-Pool vehicles are for use by Government personnel only.</p> <p>The Contractor shall ensure operators complete SF-91 if involved in an accident.</p> <p>The Contractor shall ensure dispatchers are cognizant of the Government's fuel conservation program, and trips are consolidated whenever possible.</p> <p>Historically there are 800 C Pool vehicle and equipment dispatches annually.</p>	and available for review (electronic and/or hardcopy) upon request by the KO.
3.1.3	GSA Leased Vehicles	The Contractor shall coordinate and schedule required maintenance, and repairs; pick-up and drop-off new and replaced GSA vehicles..	<p>GSA Vehicles and Equipment is located in J-1700000-05</p> <p>The Contractor may, at their option, become a GSA Certified Vendor. If the Contractor elects to perform the GSA Fleet maintenance and repairs, the Contractor is responsible for collecting payment for the work through the normal GSA process. The cost of this work shall not be included in the FFP of this contract.</p>	Vehicles are picked up from the lessee and dropped off at the Maintenance Control Center (MCC) or service provider; GSA Marshalling yard and returned to the lessee as scheduled.
3.1.3.1	Maintenance Support Services for GSA Leased Vehicles	The Contractor shall coordinate and schedule required maintenance and repair to ensure maintenance is kept up to date and repairs are performed	<p>The Contractor shall transport vehicles to and from the service provider, return vehicle to user, and provide required reports.</p> <p>A commercial Fleet Services card will be issued for each GSA vehicle and shall be used by the Contractor for the purchase of fuel and minor maintenance and</p>	Vehicles are dropped off at the MCC or service provider and returned to the lessee for Maintenance and repairs as scheduled.

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		expeditiously.	<p>repair services.</p> <p>The Contractor shall submit a GSA Mileage and Fuel Usage Report per Section F.</p> <p>The Contractor shall ensure preventive maintenance is performed at the intervals specified by GSA, Fleet MCCs and, approved service providers. The contractor shall create a work order in the Government CMMS for each PM and Repair.</p> <p>Unscheduled repairs exceeding \$100 must be authorized by the MCC.</p>	<p>New and replaced GSA vehicles are picked up and dropped off at specified location(s), as scheduled.</p> <p>Mileage and fuel usage reports submitted per section F</p> <p>Preventive maintenance is performed at the intervals specified by GSA, Fleet MCC's and approved service providers.</p>
3.1.3.2	Support Services for Received, Replaced and/or Reassigned GSA vehicles and Equipment	Provide Support Services for Newly Received, Replaced and/or Reassigned GSA Vehicles and Equipment; to ensure satisfactory operation.	<p>The work includes GSA vehicles and Equipment for Government use.</p> <p>The contractor shall pick up and drop off newly received, reassigned and replaced GSA vehicles and equipment at the GSA staging Area. The contractor shall also perform other in-service and turn-in duties to include vehicle preparation and administrative functions.</p> <p>For received vehicles and equipment:</p> <p>Establish new History Jacket, perform an in-service Work Order perform an initial safety inspection; if problems identified, prepare a Quality Deficiency Report.</p> <p>Clean windows; ensure the installation of all parts/equipment shipped with vehicle; ensure all fluid levels and tire pressures; Spare Keys shall be locked and secured with history jacket.</p> <p>Pick up new vehicles from the</p>	<p>New Vehicles and Equipment is picked up and Replaced Vehicles and Equipment are dropped off at GSA Staging Area.</p> <p>History Jackets are established.</p> <p>New vehicles and equipment are delivered and serviced on time.</p> <p>Reassigned vehicles are serviced as required.</p>

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>GSA staging area and complete in-service preparation within two working days of notification of arrival.</p> <p>Ensure the presence of technical and parts manuals; ensure that accident reporting kits are in each GSA vehicle and coordinate all warranty requirements with GSA and Service Provider.</p> <p>For GSA Reassigned Vehicles and Equipment:</p> <p>Ensure that the vehicle is up to date with Preventative Maintenance requirements.</p> <p>Note: The amount of GSA replacements may vary from year to year; however the Government anticipates an estimated average of 30 assets per year.</p>	
3.1.4	Received and/or Reassigned Government Owned Vehicles and Equipment Services	Provide Received and/or Reassigned Vehicles and Equipment services to ensure satisfactory operation.	<p>This work includes Government Owned Vehicles and Equipment.</p> <p>Pick up new vehicles from the dealer and complete in-service preparation within two working days of notification of arrival.</p> <p>For Received Vehicles and Equipment: Establish new History Jacket, perform an initial new service Work Order (WO) in the Government CMMS; perform an initial safety inspection; if problems are identified, prepare a Quality Deficiency Report.</p> <p>Clean windows; install parts/equipment shipped with vehicle; apply corrosion preventive compounds and under-coating (if not applied by the manufacturer); service all fluid levels and tire pressures; install license plates; apply appropriate vehicle markings as required; and include new vehicles and equipment in the</p>	<p>History Jackets are established.</p> <p>New vehicles and equipment are delivered and serviced within two days.</p> <p>Work Orders and Equipment Records are accurate and completed within Government's CMMS.</p> <p>Reassigned vehicles are serviced as required.</p>

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			<p>Preventive Maintenance (PM) schedule.</p> <p>Provide the required technical and parts manuals, ensure that accident reporting kits/SF-91 are in each vehicle and coordinate all warranty requirements with the manufacturer or leaser.</p> <p>For Reassigned Vehicles and Equipment: Perform the following services: PM (if within 30 days of scheduled PM see spec item 3.2.1.2), safety inspection; and repair of any deficiencies noted during the required inspections.</p> <p>Establish History Jacket as required.</p> <p>NOTE: For Newly Installed/Replaced CAT II and CAT III WHE; The Contractor's WHE Technicians (Test Director and Test inspector) shall be present all times when new or replaced equipment is installed; The contractor shall verify that acceptance load testing is in accordance with the NAVFAC P-307 and provide documentation required of the test.</p> <p>If/when the third party installer <u>IS NOT</u> NAVFAC P-307 certified; the contractor shall witness the installation, inspection and testing and shall prepare all P-307 documentation for submission to the certifying official.</p> <p>If/when the third party installer <u>IS</u> NAVFAC P-307 certified; the third party installer shall prepare and submit all documentation to the certifying official.</p> <p>Historically two newly installed/replaced WHE assets have been installed within the last five (5) years with two (2) installers being P-307 certified</p>	

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			and three (3) not being P-307 certified.	
3.2	Maintenance and Repair (Government Owned Vehicles and Equipment)	The Contractor shall maintain, repair and alter Government owned and/or commercially leased vehicles and equipment (non GSA) to ensure they are fully operational.	<p>BSVE are to be maintained and repaired based on manufacturer recommendations and specifications.</p> <p>The Contractor shall manage the overall maintenance effort so equipment downtime does not exceed the allowable downtime standards by alpha group and by individual service order/work order by alpha code found in J-1700000-04.</p> <p>Provide all tools, testing equipment, technical training, and technical related data necessary to service and maintain new or used vehicles and equipment throughout the contract. The Government may replace vehicles and equipment throughout the contract with newer units, which may change in mix, manufacturer, model, and types. The Contractor is responsible for in-service and maintaining these replaced units under the requirements.</p> <p>Repair and maintain vehicles and equipment that exceed NAVFAC P-300 life expectancy as if they were in their last year of life expectancy.</p> <p>The Contractor shall submit a Maintenance Schedule per Section F.</p> <p>Selective exchange of parts between vehicles and/or equipment must be authorized by the KO.</p> <p>Ensure adequate parts are available to expedite maintenance repairs in order to meet allowable downtime standards.</p>	<p>Provide a monthly maintenance schedule as specified in section F.</p> <p>Adequate parts are available to expedite maintenance repairs.</p> <p>Records, data, and reports are accurate and complete.</p> <p>Downtime Standards are met.</p> <p>Work Orders are accurate and completed within Government's CMMS.</p> <p>Vehicles and equipment are properly marked in accordance with NAVFAC P-300 and NAVSUP P-538.</p> <p>Maintenance and repair functions are performed in accordance with manufacturer specifications and recommendations.</p> <p>Accident reports provided monthly.</p> <p>Downtime standards are not exceeded.</p>

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>Maintain on site, and update hard copies of documents filed at the Transportation Maintenance Technical Library for Government owned, GSA, and Other Leased Vehicles and Equipment.</p> <p>Properly mark vehicles and equipment as required so that vehicle identification markings are clear and visible at all times in accordance with NAVFAC P-300 and NAVSUP P-538.</p> <p>Maintain vehicle and equipment history files (hardcopy) for life of all units serviced under this contract.</p> <p>Prepare and submit Work Orders in Government CMMS for all work performed on all vehicles and equipment and maintain copies in each history file.</p> <p>Provide all tools, testing equipment, technical training, and technical related data necessary to service and maintain new or used vehicles and equipment throughout the contract. The Government may replace vehicles and equipment throughout the contract with newer units, which may change in mix, manufacturer, model, and types. The Contractor is responsible for in-service and maintaining these replaced units under the requirements.</p> <p>Provide required vehicle accident repair support. The Contractor shall maintain an accident/abuse log that will contain the minimum: vehicle registration number, date & time reported to maintenance, description of damage, unit and cost of repair. Vehicle Accident Reports shall be submitted per Section F. Repairs will commence upon</p>	

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			<p>approval from the KO.</p> <p>Vehicles are maintained in accordance with OEM recommendations.</p> <p>Vehicles, Equipment and WHE to be maintained, along with the associated alpha code and priority, are listed in the Fleet Inventory provided in J-1700000-06 through J-1700000-08.</p> <p>Perform work in accordance with established priorities.</p>	
3.2.1	Preventive Maintenance, Inspections, Testing and Certification of CESE, MHE, OHE and AWP.	The Contractor shall perform preventive maintenance (PM) inspections, including safety and reliability inspections for automotive vehicles, to ensure safe and proper operation.	<p>The Contractor shall submit a PM Schedule per Section F.</p> <p>PM shall be performed up to 14 calendar days prior to the due date if the equipment is in the shop for any other reason.</p> <p>All vehicles shall be washed and waxed once annually at the completion of scheduled preventive maintenance.</p> <p>PM inspections and any related repair work shall be completed within two working days after BSVE is received, except where the criteria for Priority 1 or 2 apply.</p> <p>Perform repairs found necessary as a result of any inspection/test, and/or maintenance deficiency up to the limit of liability found in spec item 3.2.3.</p> <p>All work shall be in accordance with the NAVFAC P-300, NFPA and OEM standards.</p> <p>Fire and Emergency Vehicles to include ancillary equipment shall be inspected and certified in accordance with NFPA,</p>	<p>Preventive maintenance schedule submitted as specified.</p> <p>All checkpoints correctly completed.</p> <p>Safety and operational deficiencies found are corrected using accepted quality standards and manufacturer's recommendations.</p> <p>Work completed within downtime standards.</p> <p>WOs are accurate and completed within the Government's CMMS.</p>

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>NAVFAC P-300 and OEM.</p> <p>Aerial Work Platforms shall be inspected, tested and certified in accordance the NAVFAC P-300 and OEM.</p> <p>OHE shall be inspected, tested and certified in accordance with NAVSUP -538, NAVSEA OP-5, SWO 23 and the equipment manufacturer's instructions and manuals.</p> <p>MHE shall be inspected, tested and certified in accordance with NAVSUP -538, and the equipment manufacturer's instructions and manuals.</p> <p>The Contractor shall submit a Schedule for Testing and Certification of the certifiable equipment listed the Fleet Inventory per Section F.</p> <p>All safety and / or operational deficiencies addressed.</p>	
3.2.2	Preventative Maintenance, Inspection, Load Test and Certification Support of Weight Handling Equipment	Perform Preventative Maintenance, inspection, testing, and certification of all WHE, to ensure equipment is maintained in a safe and fully operational condition.	<p>Perform Preventative Maintenance, Inspect, test, and support Government certification of all WHE, at least annually and after an adjustment, repair, replacement, or alternation/modification of a load bearing or load controlling part in accordance with NAVFAC P-307, .</p> <p>Perform repairs found necessary as a result of any inspection/test, and/or maintenance deficiency up to the limit of liability found in spec item 3.2.3.</p> <p>Fully comply with certification and alternation/modification requirements.</p> <p>Perform Alteration and Modifications in accordance with Safety Bulletins and Navy Crane Center direction.</p>	<p>Inspection and testing performed per applicable instruction and the equipment manufacturer's instructions and manuals.</p> <p>Certification is current and posted on equipment in full view of operator; copy provided to KO and a copy placed in history file within two working days.</p> <p>Repairs are identified and performed.</p> <p>Testing and</p>

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>The Contractor shall support all related audits, evaluations safety and condition inspections, and investigations from all Government authorized audits and pre-audits; perform tasks such as rigging, operator, test director duties, and inspector or inspector duties, ensuring all equipment and program requirements are in full compliance, providing audit report responses within 20 days of audit report receipt and the response must be in proper format and address all findings and observations with sound recommendations for correcting all discrepancies.</p> <p>Corrosion control inspection and prevention measures shall be performed as part of Preventive Maintenance. Corrosion Areas that existed prior to the PM and identified during the inspection shall be considered a repair.</p> <p>The Contractor shall submit a Maintenance Inspection Specification and Record for WHE to the KO for approval. Conduct condition inspection for WHE in accordance with NAVFAC P-307. The Government will be the Certifying Officer.</p> <p>The Contractor shall submit a Schedule for Testing and Certification of the certified equipment listed the Fleet Inventory per Section F. Testing and Certification Qualifications, including names and qualifications of Contractor personnel performing load testing certification shall be submitted per Section F. Post certifications on equipment after completion of Annual Load Test and in full view of operator with copies provided to the KO.</p>	<p>certification are completed as per the Contractor's Schedule.</p> <p>WOs are accurate and completed in the Government's CMMS.</p>

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Spec Item	Title	Performance Objective	Related Information	Performance Standard																				
3.2.3	BSVE Repair (CESE, WHE, MHE, OHE, AWP, Fire and Emergency Vehicles)	The Contractor shall perform body, fender, and mechanical repairs to ensure BSVE are safe, operational, and conform with appearance standards.	<p>The Contractor has full responsibility for any individual occurrence of repair, including replacement, up to and including the Recurring Work limits of liability for direct labor and direct materials specified below for each piece of equipment per incident.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">GROUP</th> <th style="text-align: right;">KTR Limit of Liability</th> </tr> </thead> <tbody> <tr> <td>Slow Moving Vehicles (Up to 3,500 lb. GVWR)</td> <td style="text-align: right;">\$2500</td> </tr> <tr> <td>Light Duty (Up to 10,000 lb. GVWR) Excludes WHE</td> <td style="text-align: right;">\$2,500</td> </tr> <tr> <td>Medium Duty (10,001 - 20,000 lb. GVWR) Excludes WHE</td> <td style="text-align: right;">\$3,500</td> </tr> <tr> <td>Heavy Duty (20,001 lb. GVWR and up) Excludes WHE</td> <td style="text-align: right;">\$6,500</td> </tr> <tr> <td>WHE Trackage</td> <td style="text-align: right;">\$500</td> </tr> <tr> <td>WHE (Up to 2,000 lb. Capacity)</td> <td style="text-align: right;">\$1,000</td> </tr> <tr> <td>WHE (2,001 to 7,000 lb. Capacity)</td> <td style="text-align: right;">\$2,500</td> </tr> <tr> <td>WHE (7,001 to 25,000 lb. Capacity)</td> <td style="text-align: right;">\$4,500</td> </tr> <tr> <td>WHE 25,001 lb and up Capacity</td> <td style="text-align: right;">\$10,000</td> </tr> </tbody> </table> <p>Repairs of BSVE shall be in accordance with applicable governing regulations; to include NAVFAC P-300, NAVFAC P-307, NAVSUP 538, SWO-23, NAVSEA-OP 5 and OEM.</p> <p>Repairs in excess of Recurring Work Limits of Liability may be ordered under the Non-Recurring Work portion of the</p>	GROUP	KTR Limit of Liability	Slow Moving Vehicles (Up to 3,500 lb. GVWR)	\$2500	Light Duty (Up to 10,000 lb. GVWR) Excludes WHE	\$2,500	Medium Duty (10,001 - 20,000 lb. GVWR) Excludes WHE	\$3,500	Heavy Duty (20,001 lb. GVWR and up) Excludes WHE	\$6,500	WHE Trackage	\$500	WHE (Up to 2,000 lb. Capacity)	\$1,000	WHE (2,001 to 7,000 lb. Capacity)	\$2,500	WHE (7,001 to 25,000 lb. Capacity)	\$4,500	WHE 25,001 lb and up Capacity	\$10,000	<p>BSVE are returned to safe, operable condition.</p> <p>WOs are accurate and completed in the Government's CMMS.</p> <p>Downtime Standards and Vehicle Priority Standards met.</p>
GROUP	KTR Limit of Liability																							
Slow Moving Vehicles (Up to 3,500 lb. GVWR)	\$2500																							
Light Duty (Up to 10,000 lb. GVWR) Excludes WHE	\$2,500																							
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Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>contract.</p> <p>Any BSVE that exceeds NAVFAC P-300 life expectancies shall be maintained as if it were in its last year of life expectancy. For example, an eight-year old BSVE Code (EC) 0313 pickup truck shall receive the same level of maintenance as a six-year old pickup truck.</p> <p>Corrosion control repairs shall be performed as part of any BSVE repair. Any corrosion repair to load bearing or load controlling components is included in this spec item and subject to the Contractor's Recurring Work limit of liability for repair. Any corrosion repair that prevents the CESE, MHE, and WHE from being certified and safely returned to service is included in this spec item and subject to the Contractor's Recurring Work limit of liability for repair.</p> <p>The contractor shall provide vehicle accident repair services and support.</p> <p>The Contractor shall maintain an accident/abuse log that will contain the minimum: vehicle registration number, date & time reported to maintenance, description of damage, unit and cost of repair. Vehicle Accident Reports shall be submitted per Section F. The contractor shall repair upon approval from the KO.</p>	
3.2.4	BSVE Trouble Calls	The Contractor shall accomplish trouble calls in the shop and/or in the field to ensure BSVE, including transient equipment, to safe and operational condition.	<p>The Contractor shall respond to disabled BSVE within a 200 mile radius of the activity.</p> <p>BSVE trouble call repairs consists of repairs and services such as battery replacement, tire repair, wiper replacement, engine jump-starts, emergency refueling, and other minor</p>	Disabled BSVE are responded to within 30 minutes during Government regular working hours and within 60 minutes after Government regular working hours.

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			repairs or service necessary to return vehicles and equipment to safe operation. Also includes towing into shop, field service, and repair of specialized equipment. Historically 300 BSVE trouble calls occur with 8 exceeding 100 miles.	BSVE are returned to safe, operable condition.

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4	Non-Recurring Work	Non-recurring work may be ordered utilizing DoD EMALL in accordance with Section H or on a task order in accordance with the PROCEDURES FOR ISSUING ORDERS clause in Section G. The order will specify the exact locations and types of work to be accomplished. The period of performance will be specified in each order.	Refer to non-recurring work ELINs for task listings, descriptions, and related requirements. All periods of performance are measured from issue date of order to acceptance of the work. Performance standards for non-recurring work will be the same as those in Spec Item 3 where applicable.	

Section C – 1800000
Environmental

1800000 – Environmental	
Spec Item	Title
1	General Information
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4	Non-recurring Work

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Spec Item	Title	Description
1	General Information	The Contractor shall provide all labor, management, supervision, tools, material, and equipment required to perform environmental services at PNR.
1.1	Concept of Operations	The intent of 1800000 Environmental is to specify the Environmental requirements which primarily consist of the following services: management, collection and disposal of hazardous material, hazardous waste and other regulated waste; oil and hazardous substance spill response, cleanup and disposal; sampling; and groundwater and storm water monitoring. The following services are not considered Environmental and are not included in this template: collection, disposal and recycling of non-hazardous; potable water and sewage treatment are included in 1604000 Wastewater and 1606000 Water; and waterborne spill response and cleanup.

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Spec Item	Title	Description
2	Management and Administration	
2.1	Personnel	The Contractor shall provide personnel with the training, qualifications, technical knowledge, experience and skills required for efficient operations within the environmental function.
2.1.1	Certification, Training, and Licensing	The Contractor shall provide a written training plan and documentation of training for all personnel to demonstrate technical proficiency per Section F. Demonstration of proficiency must take place within established guidelines that are documented in applicable regulations, policies, instructions and Laboratory Quality Assurance Manual.

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3	Recurring Work	The Contractor shall perform environmental services to support the installation's environmental programs to ensure compliance with applicable Federal, state and local statutes and regulations, and with DoD and Navy policies, instructions and guidance.	<p>The Contractor shall comply with all Federal, state and local statutes and regulations, and with DoD and Navy policies, instructions and guidance such as those listed in the References and Technical Documents in J-0200000-04.</p> <p>If environmental related procedures or operations are found to be out of compliance the Contractor shall immediately notify the KO and the Installation Environmental Office with recommendations for appropriate action.</p> <p>Regulatory compliance and adherence to policies, instructions and guidance, may be determined by planned sampling, validated customer complaints and documented citations if applicable.</p>	<p>Services are performed in a timely manner and in compliance with Federal, state and local statutes and regulations, and with DoD and Navy policies, instructions and guidance.</p> <p>No documented citations such as NOV, NON, warning letters or citizen suits due to Contractor's non-performance, mismanagement or negligence.</p> <p>All deficiencies noted in internal compliance inspection corrected in a timely manner.</p>
3.1	Sampling and Analysis Services	The Contractor shall provide environmental sampling and analysis of hazardous waste streams and stormwater outfalls to ensure reporting compliance at the installation.	<p>The Contractor shall comply with Federal, state and local statutes and regulations, and with DoD and Navy policies, instructions and guidance.</p> <p>The Contractor shall develop and submit proposed Sampling Plans for approval per Section F.</p> <p>Current waste streams are identified in J-1800000-01.</p> <p>The Contractor shall dispose of all excess sample material in accordance with applicable Federal and state requirements.</p>	Sample collection, field testing and laboratory services comply with applicable EPA and state guidance.
3.1.1	Sampling	The Contractor shall conduct timely sample collection to ensure the installation complies with sampling plan.	The Contractor shall submit copies Chain of Custody Documentation per Section F.	Sample collection complies with the approved sampling plan.
3.1.2	Annual Analysis	The Contractor shall annually assess the existing	Sampling shall be accomplished within 30 days of request (usually March/April) annually.	Assessment provided within 30 days of request

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		waste streams and update the hazardous waste stream list per applicable regulations.	The Contractor shall provide DD Form 1348s for sampling and analysis, and prepare the waste stream profiles based upon the resultant laboratory results.	annually.
3.1.3	Recordkeeping	The Contractor shall maintain accurate hazardous waste stream documentation to comply with regulatory record keeping and reporting requirements.	Current waste streams are identified in J-1800000-01. The Contractor shall update the waste stream list based upon annual analysis results of existing waste streams and analysis of new waste streams as identified. Anticipate 5-10 new waste streams per year.	Profile documentation provided and waste stream list updated within seven calendar days of analysis.
3.2	Discarded Hazardous Material/ Hazardous Waste/Other Regulated Waste (HM/ HW/ORW) Management	The Contractor shall manage discarded HM/HW/ORW to ensure the installation complies with Federal, state and local statutes and regulations, and with DoD and Navy policies, instructions and guidance.	The Contractor shall comply with all HM/HW/ORW Federal, state and local statutes and regulations, and with DoD and Navy policies, instructions and guidance, including OPNAVINST 5090.1, DoD Instruction 4715.4, BUMEDINST 6280.1, and DoD Publication 4715.5-G The Contractor shall not bring non-federal waste onto DoD installations. The Contractor shall maintain and track HW documentation (such as Chain of Custody documents, HW Manifests, DD Form 1348s, HW Analyses, Land Disposal Restrictions, and Exception Reports) per 40 CFR 262. This documentation shall be maintained in one archive for PNR. C. The Contractor shall provide Hazardous Waste reports (EPA Form 8700.13A/B) required for each base to the PNR C Environmental Department per the schedule in OPNAVINST 5090.1 (series). The Government will provide the EPA ID Number. The PNR C Environmental Officer or appointed representative will	HM/HW/ORW management complies with Federal, state and local statutes and regulations, and with DoD and Navy policies, instructions and permits. No release of HM/HW/ORW to the environment due to Contractor's non-performance, mismanagement or negligence. No documented citations such as NOV, warning letters or citizen suits due to Contractor's non-performance, mismanagement or negligence.

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			<p>sign the report.</p> <p>HM/HW/ORW Disposal Historical Data is provided in J-1800000-02.</p>	
3.2.1	Discarded HM/HW/ORW Accumulation Areas and Storage Facilities Operations	The Contractor shall manage and provide supplies for discarded HM/HW/ORW satellite accumulation areas and less-than-90-day accumulation areas to ensure the installation complies with Federal, state and local statutes and regulations, and with DoD and Navy policies, instructions, guidance, and permit conditions.	<p>Discarded HM/HW/ORW Accumulation Areas and Storage Facilities are identified in J-1800000-01. The Contractor shall not have in operation any less than 90-day hazardous waste accumulation sites or satellite collection areas without KO permission.</p> <p>Service requirements include items such as accepting discarded HM/HW/ORW from authorized activities and reconciling turn-in documentation to reflect actual material received.</p> <p>The Contractor shall not regularly accept unmarked containers. However, in the event that unmarked containers are left at the storage facility, the Contractor shall analyze the contents, and mark the containers. 30 unmarked containers are anticipated annually.</p> <p>Physical separation of incompatible HM/HW/ORW shall be maintained.</p> <p>Contractor shall separate and consolidate all discarded HM/HW/ORW for shipping and ultimate disposition.</p> <p>The Contractor shall prepare and maintain daily logs of waste received, processed, and disposed. Daily logs shall be made available upon the Government's request.</p> <p>The Contractor shall prepare and provide DD Form 1348s per Section F.</p>	<p>HM/HW/ORW accumulation areas and storage facilities comply with Federal, state and local statutes and regulations, and with DoD and Navy policies, instructions guidance, and permits.</p> <p>No documented citations such as NOV, NON, warning letters or citizen suits due to the Contractor's nonperformance, mismanagement, or negligence..</p> <p>No release of HW to the environment due to the Contractor's nonperformance, mismanagement, or negligence.</p>

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			<p>The Contractor shall participate in hazardous waste minimization activities, such as oil filter crushing, light bulb crushing, aerosol can puncturing, etc...10% of all collected wastes shall be processed through minimization activities.</p> <p>The Contractor shall comply with Federal, state and local contingency planning and employee training requirements.</p>	
3.2.2	Collection of Discarded HM/HW/ORW	The Contractor shall provide discarded HM/HW/ORW collection and removal services to ensure the installation complies with Federal, state and local statutes and regulations, and with DoD and Navy policies, instructions and guidance.	<p>Discarded HM/HW/ORW Accumulation Areas and Storage Facilities are identified in J-1800000-01.</p> <p>HM/HW/ORW collection services include pick up from accumulation areas and designated activities, including ship operation related facilities that are not designated satellite accumulation areas, and delivery of collected materials to temporary accumulation areas or storage facilities as appropriate. Typically, there are approximately 200 satellite collection points at any given time.</p> <p>Occasionally, collections are required at other than the locations shown in J-1800000-01. In that event, the Contractor shall deliver an appropriate collections container to the temporary collection location and return to collect the container upon request for HM/HW/ORW pickup. Approximately 20% of the annual collections will involve temporary locations.</p> <p>The Contractor shall provide HM/HW/ORW collection containers. J-1800000-03 provides the historical numbers, types, and sizes of collections</p>	<p>HM/HW/ORW collection complies with Federal, state and local statutes and regulations, and with DoD and Navy policies, instructions and guidance.</p> <p>Collections are completed within twenty four hours of notification during regular Government working hours or within thirty six hours of notification after regular Government working hours unless the KO determines the collection to be an emergency requirement.</p> <p>Emergency collection requirements are responded to within one hour of notification and work continues until all material/waste has been collected and removed from the collection site.</p>

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			<p>containers that were required at each installation.</p> <p>Historical data regarding HM/HW/ORW pickups is provided in J-1800000-02. HM/HW/ORW shall not be left in non-designated areas overnight.</p> <p>The Contractor shall resolve discrepancies such as leaking containers, misidentifications, and improper or missing paperwork upon discovery.</p>	
3.2.3	HW Coordinator Training	The Contractor shall provide monthly training for HW Coordinators to ensure coordinators are knowledgeable of current HW issues.	<p>Training shall be provided once a month to Government and military personnel at NASP. Refer to J-1800000-04 for types of training required. The Contractor shall maintain training records including training provided, date, and attendee names.</p> <p>The purpose of the training sessions is to assure HW compliance and educate new coordinators and refresh existing coordinators annually on their responsibilities.</p> <p>The Government will provide existing training materials. The Contractor shall update training materials to reflect updates to statutes and regulations as needed throughout the performance period.</p>	<p>Required training is provided.</p> <p>Training records are properly maintained.</p>
3.2.4	HW Generator Monthly Meeting	The Contractor shall participate in monthly meetings regarding HW compliance.	<p>The Government will confer annually (at the beginning of the calendar year) and monthly (following each meeting) with the Contractor concerning specific topics to be covered in the upcoming monthly sessions. Meeting topics may cover any subject shown in J-1800000-04.</p> <p>The Contractor shall prepare minutes for review and make corrections based upon feedback from meeting attendees. The</p>	<p>Contractor attends meetings as scheduled.</p> <p>Minutes/corrections provided within 48 hours of meeting/comments.</p>

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			minutes shall include a draft agenda for the next month's meeting.	
3.3	Oil and Regulated Substance Spill Response and Cleanup Ashore	The Contractor shall provide oil and regulated substance (ORS) spill response and cleanup to minimize damage to property or risk of human exposure and to ensure the installation complies with Federal, state and local statutes and regulations, and with DoD and Navy policies, instructions and guidance.	The Contractor shall comply with all oil and regulated substance spill response and cleanup Federal, state and local statutes and regulations, and with DoD and Navy policies, instructions and guidance, including OPNAVINST 5090.1, DoD Instruction 4715.4, DoD Publication 4715.5-G, Installation or Region Integrated Response Plan (IRP).	Oil and regulated substance spill response and cleanup comply with Federal, state and local statutes and regulations, and with DoD and Navy policies, instructions and guidance. No documented citations such as NOV, warning letters or citizen suits due to Contractor's non-performance, mismanagement or negligence.
3.3.1	Oil and Regulated Substance Spill Containment	The Contractor shall contain spills to minimize damage to property and risk of human exposure, and to ensure the installation complies with Federal, state and local statutes and regulations, and with DoD and Navy policies, instructions and guidance.	The Contractor shall coordinate with the installation's Oil and Hazardous Substance Spill Response Coordinator. The Contractor shall respond to spills 24 hours a day, seven days a week and provide primary and alternate contact information including contact names and phone numbers.	For PNRC, the Contractor is on-site within 30 minutes of spill notification during Government regular working hours, and within 90 minutes of spill notification after Government regular working hours. For NHOS, the Contractor is on-site within 15 minutes of spill notification from 0700-2200; and within 60 minutes of spill notification from 2200-0700. The Contractor commences cleanup within 30 minutes of arrival on-site and works continuously until the spill is contained.

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				<p>A spill assessment is provided to the installation's Oil and Hazardous Substance Spill Response Coordinator immediately upon on-site arrival; written information for spill containment and/or cleanup reporting is provided within one hour of on-site arrival.</p> <p>Spill containment complies with Federal, state and local statutes and regulations, and with DoD and Navy policies, instructions and guidance.</p>
3.3.2	Oil and Regulated Substance Spill Cleanup and Disposal	The Contractor shall clean up spills to minimize damage to property or risk of human exposure and to ensure the installation complies with Federal, state and local statutes and regulations, and with DoD and Navy policies, instructions and guidance.	<p>The Contractor is responsible for oil and regulated substance spill clean-up for spills less than 55 gallons of a regulated substance and/or up to 30 cubic yards of contaminated soil regardless of how the spill originated. The Contractor is responsible for all costs associated with Contractor or Sub-Contractor originated spills. Historically, there have been 30 spill response requirements each year.</p> <p>The Contractor shall characterize waste to ensure proper disposal.</p> <p>Non-recurring work may be issued for cleanup exceeding the limits noted above.</p>	<p>Spill cleanup and disposal complies with Federal, state and local statutes and regulations, and with DoD and Navy policies, instructions and guidance.</p> <p>Upon containment, the Contractor shall work continuously until spilled materials are containerized and transported to the less than 90 day accumulation facility for disposition and disposal.</p>
3.3.3	Oil and Regulated Substance Spill Reporting and Documentation	The Contractor shall provide spill response documentation to ensure the installation complies with	The Contractor shall provide required documentation such as spill location, time of spill, spill source, severity and type of spill, responding actions, and test results to the installation for submission to the state and/or	Spill response documentation is provided to the installation within five working days after cleanup is complete.

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		Federal, state and local statutes and regulations, and with DoD and Navy policies, instructions and guidance.	local agencies. Spill Documentation shall be submitted per Section F.	Spill documentation complies with Federal, state and local statutes and regulations, and with DoD and Navy policies, instructions and guidance.
3.4	Storm Water Monitoring	The Contractor shall provide storm water monitoring and reporting services to ensure the installation complies with the existing Storm Water Pollution Prevention Plan (SWMAP).	<p>Services include visual examination of storm water quality, sampling, analysis, and reporting of results.</p> <p>The SWMAP provides locations, sampling, documentation, and reporting requirements.</p> <p>The SWMAP is provided in J-1800000-05.</p>	<p>Inspection, sampling, transport and analysis are performed in accordance with SWMAP.</p> <p>Required reports are provided electronically within one working day of analysis.</p>
3.5	Meetings	The Contractor shall attend various meetings as requested by the Environmental Manager and provide accurate and complete advice on all EV matters to ensure comprehensive representation of the Environmental Department.	<p>The Contractor shall attend approximately 85 preconstruction meetings annually to provide Environmental Department representation.</p> <p>The Contractor shall attend approximately five regulatory inspections annually to provide specific expertise as needed.</p> <p>The Contractor shall take and prepare minutes (for environmental department issues), provide feedback to the environmental department on pertinent topics, and track action items as required.</p>	<p>Cannot miss any critical meetings, and no more than 5 total per quarter, when given at least five days advance notice.</p> <p>Minutes are provided to the Environmental Manager within five (5) work days after the meeting.</p>

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
4	Non-recurring Work	Non-recurring work may be ordered utilizing DoD EMALL in accordance with Section H or on a task order in accordance with the PROCEDURES FOR ISSUING ORDERS clause in Section G. The order will specify the exact locations and types of work to be accomplished. The period of performance will be specified in each order.	Refer to Non-recurring Work ELINs for task listings, descriptions, and related requirements. All periods of performance are measured from issue date of order to acceptance of the work. Performance standards for non-recurring work will be the same as those in Spec Item 3 where applicable.	