

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE	OF	PAGES
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2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
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6. ISSUED BY CODE	7. ADMINISTERED BY (If other than Item 6) CODE
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)	(X)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
		10A. MODIFICATION OF CONTRACT/ORDER NO.
		10B. DATED (SEE ITEM 11)
CODE		FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment your desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED
16B. UNITED STATES OF AMERICA (Signature of Contracting Officer)	16C. DATE SIGNED

N40085-16-R-2280
RFI Responses

1. Other than NH 39 and SDA 309 – Burnham steam boilers, is NH 45 - Triad a steam boiler as well or any other building?

The three boilers in NH-45 were incorrectly identified as “Water” boilers when they were in fact Steam. That has been corrected in the inventory and in the ELINS.

2. Do we need any spare parts for any service call?

There is no “service call” work under an IMP maintenance program. The government does not tell a Contractor how to schedule and preform its work. The Contractor should follow best industry practices to preform its work in the most efficient manner possible.

3. Does the contractor fill in pricing for the ELINS that zero quantities?

Yes.

4. Is the intent of the contract to be a Preventive Maintenance contract and an operational one as well?

This is a Maintenance and Repair Contract. The Contractor is expected to keep the boilers in OEM operating Condition. In the event a boiler is not operating during heating season, they will be expected to return the boiler to operation.

5. Is ELIN A015AA a repeatable bid item for all four options?

No, it is a onetime event when each boiler is turned over to the Contractor for Maintenance. 71 boilers are included in the original group (under the recurring services) and through (Non-Recurring work) for any boilers added to the IMP.

6. Was there an official startup done on the new boilers and do you have any records?

Startup information is available for all of the CAMUS boilers. All of the startup information that the Government has will be provided to the successful offeror upon award.

7. Is there a Monthly Water treatment plan in place at this time?

Water treatment for the hot water boilers are done annually by Coastline Chemicals. The last time water treatment for the steam boilers (NH-45) was during the warranty period which ended in May 2016 and was provided by Metro Group. The boilers in NH-38 are not on line at this time. They are only required for winter use. Chemicals will be added at that time. No treatment at this time for SDA-309 also.

8. What are the security requirements for various buildings?

Some buildings may require escorts, of which a Point of Contact will be provided at time of award. A full list of buildings with access requirements will be provided at a pre-performance meeting and a maintenance schedule will be created between the customer and successful offeror.

9. Please provide a clarification on response times (1 hr vs. 3 hrs).

The response times are as follows:

- 1 hr to acknowledge
- 3 hrs to be on-site

SECTION J
DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS
TABLE OF CONTENTS

ATTACHMENT NUMBER	<u>ATTACHMENT TITLE</u>
J-1502000-01	Definitions and Acronyms
J-1502000-02	References and Technical Documents
J-1502000-03	Boiler Inventory For PM
J-1502000-04	Revised Boiler Inventory For IMP By Activity
J-1502000-05	Historical Workload
J-1502000-06	Meter Group Descriptions
J-1502000-07	General Direct Condition Rating Guidance
J-1502000-08	Meter Group Condition Rating Guidance

ATTACHMENT J-1502000-01
DEFINITIONS AND ACRONYMS

DEFINITION	DESCRIPTION
CRANE, CATEGORY 1	Portal cranes, Hammerhead cranes, Locomotive cranes, Derricks, Floating cranes (YD), Tower cranes, Container cranes, Mobile cranes (except those indicated as category 4), including truck, cruiser, crawler, warehouse/industrial cranes, and cranes used for dragline, pile driving, clamshell, magnet, bucket work, and Aircraft crash cranes.
CRANE, CATEGORY 2 & 3	Cranes with rated capacities of 20,000 pounds or greater are category 2. Examples are Over head traveling cranes, Gantry cranes (rail mounted), Wall cranes, Jib cranes, Pillar cranes, Pillar jib cranes, Monorails and associated hoists, Fixed hoists, including chain falls. Pedestal mounted commercial boom assemblies (fixed length, telescoping, and articulating types) attached to stake trucks, trailers, flatbeds, or railcars, or stationary mounted to piers, etc., with OEM rated capacities less than 2,000 pounds.
CRANE, CATEGORY 4	Commercial truck mounted cranes, Truck mounted articulating boom cranes, Pedestal mounted commercial boom assemblies (fixed length, telescoping, and articulating types) attached to stake trucks, trailers, flatbeds, or railcars, or stationary mounted to piers, etc., with OEM rated capacities of 2,000 pounds and greater. Commercial truck mounted cranes and truck mounted articulating boom cranes with OEM capacities of 2,000 pounds and greater require a licensed operator even if the cranes are down rated below 2,000 pounds capacity for administrative purposes.
EQUIPMENT, COLLATERAL	Encompasses built-in and large substantially affixed equipment/property that is normally acquired and installed as part of a facility project.
EQUIPMENT, INSTALLED	Encompasses building-type equipment, built-in equipment, and large, substantially affixed equipment/property, and is normally acquired and installed as part of a facility project. Installed equipment is normally required to make a facility useful and operable. Removing such equipment would impair the usefulness, safety, or environment of the facility or the facility restoration work required after its removal, is substantial.
EQUIPMENT, PERSONAL PROPERTY	Personal property equipment includes all equipment other than collateral equipment. Such equipment, when acquired and used in a facility or a test apparatus, can be severed and removed after erection or installation without substantial loss of value or damage thereto or to the premises where installed.
FACILITIES LIFE CYCLE	A facilities life cycle is divided into four stages, requirements (planning and design), acquisition (construction and acceptance), stewardship (operations, maintenance and repair), and disposal.
FACILITIES MAINTENANCE MANAGEMENT	The planning, prioritizing, organizing, controlling, reporting, evaluating, and adjusting of facilities maintenance operations to support the CNO/NAVFAC facilities policy and objectives and satisfy customers' facility needs. Defined by the International Facility Management Association as "the practice of coordinating the physical workplace with the people and work of the organization."
Integrated Maintenance Program (IMP)	IMP is a recurring state-of-the-art, reliability-centered inspection, testing, maintenance and repair program that determines best practices for managing the functions and consequences of failures of facilities equipment and system components. IMP encompasses accepted commercial practices, including reactive, preventive, predictive and proactive maintenance, into one optimal program. The IMP approach gives the Contractor full responsibility to maintain systems and equipment and perform repairs whenever necessary to

	ensure equipment and systems are operational and remain in a constant state of readiness. Service calls will not be issued for accomplishment of repairs on systems and equipment maintained under IMP.
LIFE-CYCLE COSTS	A form of economic analysis that considers the total cost of owning, operating, and maintaining a building or system over its useful life.
MAINTENANCE, PREVENTIVE	Maintenance designed to increase the availability of the facilities/equipment by reducing the number of unexpected breakdowns or service interruptions. It is any planned maintenance activity that improves equipment life and avoid any unplanned maintenance requirements.
MANAGEMENT INFORMATION SYSTEMS- MAINTENANCE	A computerized system that will provide sufficient information for management to evaluate differences between budgets and actual costs and evaluate performance.
REPAIR	Repair is the restoration of facilities or equipment to such a condition that it may be effectively utilized for its designated purposes by overhaul, reconstruction, or replacement of constituent parts or materials which have deteriorated by action of the elements or usage, and which have not been corrected through maintenance. This term also applies to replacement of the entire unit or system if beyond economical repair. The intent of repair is to have the equipment at normal working condition.
REPLACEMENT	Replacement, as a distinct work element, is confined to a program of planned replacement of a facility or its components. It may be further limited to major components such as air conditioning compressors, furnaces or hot water heaters. Replacement is performed when the equipment has reached the end of its useful life; when it no longer can perform due to degradation of its internal components and repair is no longer cost effective. Included under the replacement would be the major rebuilding of any component, since rebuilding also restores performance.
RESTORATION	Restoration of real property to such a condition that it can be used for its intended purpose. Includes repair or replacement work to restore facilities damaged by inadequate sustainment, excessive age, natural disaster, fire, accident or other causes.
SUSTAINMENT	Maintenance and repair activities necessary to keep a typical inventory of facilities in "normal working condition". Sustainment includes regularly scheduled maintenance as well as cyclical major repairs or replacement of components that occur periodically over the expected service life of the facilities.
SERVICE ORDER	Any work required to return a facility, system, equipment or component to normal working condition. Service orders are minor facility problem requests or requests for facilities-related work that are too small to be planned and estimated.
SERVICE ORDER CYCLE	Count down starts when the customer is notified that the work has been accepted to be accomplished to the time when the work chit is turned in by the craftsmen as complete is one complete cycle period for a service order.
SERVICE ORDER, EMERGENCY	Emergency is defined as any facility deficiency that immediately compromises the mission or life, health and safety. Always includes, but is not limited to, failure of any utility, fire protection, environmental control, or security alarm systems.
SERVICE ORDER, URGENT	Urgent is defined as any deficiency that does not immediately endanger personnel or property, but extended delays of repairs could result in damage to Government property, or soon affect the security, health, or well-being of personnel or the continued operation of a service or system.
SERVICE ORDER, ROUTINE	Routine is defined as any deficiency that does not qualify as emergency or urgent, but is needed to maintain the agreed upon facility condition. Maintain means to repair to such a condition that it may be used for its intended purpose and to normal working condition. Does not include improvements.

WEIGHT HANDLING EQUIPMENT (WHE)	Weight handling equipment consists of cranes (e.g., portal cranes, jib cranes), rigging gear (e.g., slings, shackles), and associated equipment (e.g., portable hoists, dynamometers). For purposes of this technical sub-annex, WHE does not include mobile or transportable truck, crawler, and railway mounted locomotive cranes covered in 1700000 BSVE.
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Acronym	Title
BPVC	Boiler and Pressure Vessel Code
HVAC	Heating, Ventilation, and Air Conditioning
RPIE	Real Property Inventory Equipment
SCADA	Supervisory Control And Data Acquisition
SRM	Sustainment, Restoration and Modernization
UFC	Unified Facilities Criteria
UPV	Unfired Pressure Vessel

ATTACHMENT J-1502000-02
REFERENCES AND TECHNICAL DOCUMENTS

Reference	Title
UFC 3-430-07	Operations and Maintenance: Inspection and Certification of Boilers and Unfired Pressure Vessels
NAVFAC P-307	Management of Weight Handling Equipment
NAVFACINST 11300.37 (Section 3150)	NAVFACINST Energy and Utilities Policy Manual.
UFC 3-410-01	Heating, Ventilating, and Air Conditioning Systems

ATTACHMENT J-1502000-03
BOILER INVENTORY FOR PM

(NO BOILERS ARE INCLUDED IN THE PM PROGRAM FOR THE AWARD OF THIS CONTRACT. THIS PM SECTION IS INCLUDED TO GIVE THE GOVERNMENT THE OPTION TO ADD BOILERS TO THIS CONTRACT, FROM ANY GOVERNMENT ACTIVITY, UNDER A MAINTENANCE PROGRAM OTHER THAN AN IMP BY MODIFICATION AT ANY TIME AFTER AWARD.)

ATTACHMENT J-1502000-04
BOILER INVENTORY FOR IMP

REVISED CNIC Assets 09-15-16

Description	Location	Manufacturer	Model	Serial #	BTU	Install Date or In Service Date	Reference Location
CNIC Assets							
WATER, GAS FIRED	NH95	CAMUS	DMNH-3500-M51-HLS	091317980	3,500,000	5/1/14	DOOR #18, CB-95-1
WATER, GAS FIRED	NH95	CAMUS	DMNH-3500-M51-HLS	091317981	3,500,000	5/1/14	DOOR #18, CB-95-2
WATER, GAS FIRED	NH95	CAMUS	DMNH-3500-M51-HLS	091317979	3,500,000	5/1/14	DOOR #18, CB-95-3
WATER, GAS FIRED	NH1A	CAMUS	DMNH-300-MSI	0991317974	3,000,000	7/11/14	MECHANICAL ROOM EAST; CB-1A-3
WATER, GAS FIRED	NH1A	CAMUS	DMNH-300-MSI	091317973	3,000,000	7/11/14	MECHANICAL ROOM EAST; CB-1A-2
WATER, GAS FIRED	NH1A	CAMUS	DMNH-300-MSI	091317972	3,000,000	7/11/14	EAST MECHANICAL ROOM; CB-1A-1
WATER, GAS FIRED	CA10	FULTON	PHW-200	116809	1,800,000	10/1/14	ROOM 166, MECHANICAL ROOM
WATER, GAS FIRED	CA10	FULTON	PHW-200		1,800,000	10/1/14	ROOM 166, MECHANICAL ROOM
WATER, GAS FIRED	NH30	CAMUS	DMNH-1200-MSI-HLS	091317984	1,600,000	8/1/14	EAST MECHANICAL ROOM 1.600 BTUS
STEAM, GAS FIRED	NH45	Triad	GMS-1600-SH	021485332	1,600,000	10/1/14	NH-45 NORTH NEW MECHANICAL ROOM; B-#3
STEAM, GAS FIRED	NH45	Triad	GMS-1600-SH	58277	1,600,000	10/1/14	NH-45 NORTH NEW MECHANICAL ROOM; B-#2
STEAM, GAS FIRED	NH45	Triad	GMS-1600-SH	58242	1,600,000	10/1/14	NH-45 NORTH NEW MECHANICAL ROOM; B-#1
WATER, GAS FIRED	SDA313	GAS MASTER	GMI	229.05	1,500,000	6/1/06	BOILER ROOM
WATER, GAS FIRED	NH12A	CAMUS	DMNH=0801-MSI	091318021	1,400,000	8/14/14	MECHANICAL ROOM EAST CB-12A #1
WATER, GAS FIRED	NH12A	CAMUS	DMNH=0801-MSI	91318023	1,400,000	8/14/14	MECHANICAL ROOM EAST CB-12A #2
WATER, GAS FIRED	NH139	CAMUS	DMNH-1400-MSI	011418600	1,400,000	10/1/14	PENHOUSE MECHANICAL ROOM CB-HN-139-1
WATER, GAS FIRED	NH139	CAMUS	DMNH-1400-MSI	011418599	1,400,000	10/1/14	PENHOUSE MECHANICAL ROOM CB-HN-139-2
WATER, GAS FIRED	NH30	CAMUS	DMNH-1200-MSI-HLS	091317978	1,200,000	8/1/14	NEW BLDG BESIDE GYM ON CORNER
WATER, GAS FIRED	NH30	CAMUS	DMNH-1200-MSI-HLS	091319977	1,200,000	8/1/14	NEW BLDG BESIDE GYM ON CORNER CB-30A-2
WATER, GAS FIRED	SDA313	PATTERSON-KELLEY	D-1000	AM07-04-26158	1,000,000	2/1/88	BOILER ROOM
WATER, GAS FIRED	SDA313	PATTERSON-KELLEY	D-1000	AM07-04-26156	1,000,000	2/1/04	BOILER ROOM
WATER, GAS FIRED	SDA344	PVI	25WBHE50A-TP	059687917	840,000	10/1/97	MECHANICAL ROOM
WATER, GAS FIRED	NH6	LOCHINVAR	KBN801	G13H10266176	800,000	10/23/14	EAST MECHANICAL ROOM BOILER B-2
WATER, GAS FIRED	NH6	LOCHINVAR	KBN801	G13H10266175	800,000	10/23/14	EAST MECHANICAL ROOM BOILER B-1
WATER, GAS FIRED	NH7	LOCHINVAR	KBN801	G13H10266177	800,000	1/1/14	1ST FLOOR, EAST MECH ROOM B-1
WATER, GAS FIRED	NH7	LOCHINVAR	KBN801	G13H10266168	800,000	1/1/14	1ST FL MECHANICAL ROOM B-2
WATER, GAS FIRED	SDA334	WEIL MCLAIN	2BIG-02-RM7895A-	NONE	707,000	10/1/84	BOILER ROOM
WATER, GAS FIRED	SDA334	WEIL MCLAIN		NONE	707,000	10/1/84	BOILER ROOM
WATER, GAS FIRED	NH16	LOCHINVAR	KEN701	A14H1028337B	700,000	8/7/14	NORTH MECHANICAL ROOM BOILER#-1
WATER, GAS FIRED	NH16	LOCHINVAR	KEN701	A14H10289367	700,000	8/7/14	NORTH MECHANICAL ROOM BOILER#-2
WATER, GAS FIRED	NH19	LOCHINVAR	KEN701	4131H10268280	700,000	4/15/14	MECHANICAL ROOM
WATER, GAS FIRED	NH95	CAMUS	DMNH-0701-MS1-HLS	091317982	700,000	6/6/14	2ND FL, DOOR 2030, CB-95-4
WATER, GAS FIRED	NH95	CAMUS	DMNH-0701-MS1-HLS	091317983	700,000	6/6/14	2ND FL, DOOR 2030, CB-95
STEAM, GAS FIRED	NH38	BURNHAM	816 MBH	1145925	691,000	8/7/14	NORTH CENTER BETWEEN BLDGS NH-38/39
STEAM, GAS FIRED	NH39	BURNHAM	816 MBH	1145925	691,000	8/7/14	NORTH CENTER BETWEEN BLDGS NH-38/39
STEAM, GAS FIRED	SDA309	BURNHAM	V-904	29000600	505,000	2/1/93	BOILER RM.
WATER, GAS FIRED	BEN154	WEBER JARCO	AJHWB50	61195	500,000	2/1/79	EQUIPMENT ROOM
WATER, GAS FIRED	NH14	LOCHINVAR	KBN501	G13H10264588	500,000	5/15/14	EAST MECHANICAL ROOM B-1
WATER, GAS FIRED	NH14	LOCHINVAR	KBN501	G13H10264616	500,000	5/15/14	EAST MECHANICAL ROOM B-1
WATER, GAS FIRED	NH140	CAMUS	DMNH-0501-MSI-HLS	11418604	500,000	5/1/14	OUTSIDE MECHANICAL ROOM # CB-140-2
WATER, GAS FIRED	NH140	CAMUS	CSD-1	011418601	500,000	5/1/14	OUTSIDE MECHANICAL ROOM # CB-140-1
WATER, GAS FIRED	NH32	AO SMITH	CSD-1	K0719007	500,000	1/1/09	THIRD FLOOR MECHANICAL ROOM, BOILER #B2
WATER, GAS FIRED	NH32	AO SMITH	CSD-1	K0718994	500,000	1/1/09	THIRD FLOOR MECHANICAL ROOM, BOILER #B1
WATER, GAS FIRED	NH46	PATTERSON-KELLEY	C 450 LNX	M741-10-6033 A	450,000	2/1/12	ROOM 128
WATER, GAS FIRED	NH46	PATTERSON-KELLEY	C 450 LNX	M750-10-6258 A	450,000	2/1/12	ROOM 128
WATER, GAS FIRED	SDA313	PATTERSON-KELLEY	G-450	M720-08-2881A	450,000	2/1/09	BOILER ROOM, B-1
WATER, GAS FIRED	108	BURNHAM	APX399F-2L07	65273639	399,000	2/1/12	MECHANICAL ROOM, BASEMENT
WATER, GAS FIRED	CA99	AO SMITH	Master Fit	BTR120118	120,000	2/1/97	CA99 CLUB HOUSE- GOLF CLUB
WATER, GAS FIRED	NH16	LOCHINVAR	KBN081	L13H10273918	80,000	8/7/14	NORTH MECHANICAL ROOM

Joint Forces Staff College Assets

	Location	Manufacturer	Model	Serial #	BTU	Install Date or In Service Date	Reference Location
Joint Forces Staff College Assets							
WATER, GAS FIRED	SC1	FULTON	PHW2000		2,000,000	1/11/11	MECHANICAL ROOM D-108-U
WATER, GAS FIRED	SC1	FULTON	PHW2000		2,000,000	1/11/11	MECHANICAL ROOM D-108-U
WATER, GAS FIRED	SC1	FULTON	PHW2000		2,000,000	1/11/11	MECHANICAL ROOM D-108-U
WATER, GAS FIRED	SC1	FULTON	PHW2000		2,000,000	1/11/11	MECHANICAL ROOM D-108-U
WATER, GAS FIRED	SC1	FULTON	PHW2000		2,000,000	1/11/2011	MECHANICAL ROOM D-108-U

Family Housing Welcome Center Assets

	Location	Manufacturer	Model	Serial #	BTU	Install Date or In Service Date	Reference Location
Family Housing Welcome Center Assets							
WATER, GAS FIRED	SDA337	SMITH	19HE-03	19HE11300436	600,000	12/31/13	MECHANICAL ROOM

MARFORCOM Assets

	Location	Manufacturer	Model	Serial #	BTU	Install Date or In Service Date	Reference Location
MARFORCOM Assets							
WATER, GAS FIRED	NH33	CAMUS	DMNH=0801-MSI-HLS	051419114	3,000,000	8/14/14	MECHANICAL ROOM EAST CB-NH-33 #1
WATER, GAS FIRED	MCA602	CAMUS	DMNH-1200-MSI	041419063	1,200,000	4/1/15	MECHANICAL ROOM SOUTH SIDE
WATER, GAS FIRED	MCA603	CAMUS	DRNW-1200-MSI	081419796	1,200,000	6/1/15	ROOM 166, MECHANICAL ROOM
WATER, GAS FIRED	NH33	CAMUS	DMNH=0801-MSI-HLS	051419110	800,000	8/14/14	MECHANICAL ROOM EAST CB-NH-33 #3
WATER, GAS FIRED	NH33	CAMUS	DMNH=0801-MSI-HLS	051419111	800,000	8/14/14	MECHANICAL ROOM EAST CB-NH-33 #2
WATER, GAS FIRED	MCA614	CAMUS	DMNH-0801-MSI-HIS	011418645	800,000	4/1/15	OUTSIDE MECHANICAL ROOM ON LOADING
WATER, GAS FIRED	MCA614	CAMUS	DMNH-0801-MSI-HIS		800,000	4/1/15	OUTSIDE MECHANICAL ROOM ON LOADING
WATER, GAS FIRED	MCE1	MIGHTY THERM	PH-0600-IN-09-K-1A-CX	C95H07837	600,000	10/1/94	BOILER ROOM; SOME EQUIPMENT UPDATED
WATER, GAS FIRED	MCA600	CAMUS	DMNH-0601-MSI-HLS	01141862	600,000	4/1/15	MECHANICAL ROOM NORTH SIDE CB-600-1
WATER, GAS FIRED	MCA600	CAMUS	DMNH-0601-MSI-HLS	11418642	600,000	4/1/15	MECHANICAL ROOM NORTH SIDE CB-600-2
WATER, GAS FIRED	MCA603	CAMUS	DMNH-0391-MSI-HIS	101318231	399,000	4/1/15	NEW MECHANICAL ROOM EAST SIDE
WATER, GAS FIRED	MCA603	CAMUS	DMNH-0391-MSI-HIS	101318232	399,000	4/1/15	NEW MECHANICAL ROOM EAST SIDE
WATER, GAS FIRED	MCA612	CAMUS	DMNH-0391-MSI-HLS	101318233	399,000	4/1/15	MECHANICAL ROOM SOUTH SIDE CB-612-1
WATER, GAS FIRED	MCA612	CAMUS	DMNH-0391-MSI-HLS		399,000	4/1/15	MECHANICAL ROOM SOUTH SIDE CB-612-2
WATER, GAS FIRED	MCA600	CAMUS	DRNW-3000-MSI	011418646	350,200	4/1/15	MECHANICAL ROOM NORTH SIDE CB-600-3
WATER, GAS FIRED	MCA9	CAMUS	DMNH-0211-MSI-HLS	051419107	200,000	4/1/15	MECHANICAL ROOM NORTH SIDE
WATER, GAS FIRED	MCA9	CAMUS	DMNH-0211-MSI-HLS	051419106	200,000	4/1/15	MECHANICAL ROOM NORTH SIDE

ATTACHMENT J-1502000-05
HISTORICAL WORKLOAD

NOTE TO OFFERORS: This Contract is a new requirement and as such there is no actual "HISTORIC WORKLOAD". The list of work performed is provided from the Government shop records and should be considered as inaccurate as to the volume of work. It is submitted only as a guide to types of work required to maintain the Government owned boilers.

Description	Work Type	Location	Target Finish	Status	Approved Date
CA10 BOILER IS DOWN WILL NOT COME ON IT MAY BE OUT OF WATER CK. WITH HOMER MORRIS282-5546 EX.3311	EMERGENCY	NORFNSA-CA10	2/24/16 10:52 AM	COMP	2/23/16 10:52 AM
NH12/13 RESTART BOILERS FOR HEAT	EMERGENCY	NORFNSA-NH12	1/6/16 7:00 AM	COMP	1/5/16 7:00 AM
NH19 NO DOMESTIC HOT WATER IN BUIDING MAY BE BOILER ??	EMERGENCY	NORFNSA-NH19	3/3/16 8:15 AM	ASSIG NED	3/2/16 8:15 AM
NH32 BOILER NUMBER 2 NOT OPERATIING. ATTENTION TOM A DKINS	EMERGENCY	NORFNSA-NH32	1/14/16 6:56 AM	COMP	1/13/16 6:56 AM
NH32 Boiler #2 OOC. Current Error: "Flame STG1". SOME SPACES IN BUILDING HAVE NO HEAT.	EMERGENCY	NORFNSA-NH32	1/8/16 9:14 AM	COMP	1/7/16 9:14 AM
NH32 BOILER NUMBER 2 INOP. Good morning. Boiler #2 OOC. Current Error: "Flame STG1"	EMERGENCY	NORFNSA-NH32	1/20/16 10:16 AM	COMP	1/19/16 10:16 AM
NH46 BOILERS LOCKED OUT E12	EMERGENCY	NORFNSA-NH46	1/23/16 8:21 AM	COMP	1/22/16 8:21 AM
NH7 BOILERS ARE OFF LINE NO HEAT	EMERGENCY	NORFNSA-NH7	2/12/16 8:16 AM	COMP	2/11/16 8:16 AM
NH7 BOILERS INOP. BOILERS IN NH7 MECH ROOM B1 AND B2 ST ATUS SCREENS DISPLAYING **LOCKOUT NO FLAME**	EMERGENCY	NORFNSA-NH7	1/20/16 7:03 AM	COMP	1/19/16 7:03 AM
NH95 ROOM 2030 BOTH BOILERS LOCKED OUT NO HEAT	EMERGENCY	NORFNSA-NH95	1/15/16 9:46 AM	COMP	1/14/16 9:46 AM
NH95 BOILERS 4 & 5 LOCKED OUT ROOM 2030	EMERGENCY	NORFNSA-NH95	1/13/16 8:43 AM	COMP	1/12/16 8:43 AM
SDA309 BOILER INOP. NO HEAT	EMERGENCY	NORFNSA-SDA309	1/20/16 1:15 PM	COMP	1/19/16 1:15 PM
SDA309 NO HEAT BOILERS POC # 444-3994 ABH2 RITER	EMERGENCY	NORFNSA-SDA309	1/21/16 8:03 AM	COMP	1/20/16 8:03 AM
SDA313 NO HEAT RESEAT BOILER OR REPAIR	EMERGENCY	NORFNSA-SDA313	2/6/16 11:02 AM	COMP	2/5/16 11:02 AM
SDA313 BOILER INOP ON HEAT	EMERGENCY	NORFNSA-SDA313	2/23/16 1:58 PM	COMP	2/22/16 1:58 PM
SDA313 BOILER RELIEF VALVE LIFTING POC IS CHARLES 737-1748	EMERGENCY	NORFNSA-SDA313	2/24/16 9:12 AM	COMP	2/23/16 9:12 AM
SDA313 BOILER IS IN ALARM NO HEAT	EMERGENCY	NORFNSA-SDA313	3/4/16 7:12 AM	COMP	3/3/16 7:12 AM
NUOC CALL-BOILER INOP - NO HOT WATER	EMERGENCY	NORFNSA-SDA313	3/14/16 9:00 PM	COMP	3/13/16 9:00 PM
SDA313 FOUR STORY BOILER ROOM BOOSTER PUMP LEAKING. POC IS CHARLES 737-1748	EMERGENCY	NORFNSA-SDA313	2/24/16 8:47 AM	COMP	2/23/16 8:47 AM
SDA313 CHECK BOILER. NO HEAT.	EMERGENCY	NORFNSA-SDA313	1/6/16 9:55 AM	COMP	1/5/16 9:55 AM
SDA313 BOILER INOP / NO HEAT TO LOBBY	EMERGENCY	NORFNSA-SDA313	1/20/16 8:40 AM	COMP-OS	1/19/16 8:40 AM
SDA337 BOILER OFF LINE. NO HEAT IN BUILDING.	EMERGENCY	NORFNSA-SDA337	1/5/16 10:41 AM	COMP	1/4/16 10:41 AM
SDA344 NO HEAT IN BUILDING. BOILER ISSUE.	EMERGENCY	NORFNSA-SDA344	1/26/16 1:53 PM	COMP	1/25/16 1:53 PM

Description	Work Type	Location	Target Finish	Status	Approved Date
NH33 BOILER OUT ON LOW FLAME D. H.W.SIDE	URGENT	NSA-NH33	4/7/16 10:41 AM	ASSIG NED	3/31/16 10:41 AM
SDA313 BOILER IN ALARM, CK BOILER	URGENT	NSA-SDA313	3/31/16 7:24 AM	ASSIG NED	3/24/16 7:24 AM

Description	Work Type	Location	Target Finish	Status	Approved Date
NH45A ASSIST KTR TROUBLESHOOTING THE 3 BOILERS THAT ARE OFF LINE.	URGENT	NSA-NH41B	3/14/16 11:40 AM	COMP	3/7/16 11:40 AM
NH32 NO HEAT BOILER'S IN ALARM	URGENT	NSA-NH32	3/28/16 10:58 AM	COMP	3/21/16 10:58 AM
SDA313 NO HEAT BOILER IN ALARM FROM DDC	URGENT	NSA-SDA313	3/28/16 11:14 AM	COMP	3/21/16 11:14 AM
SDA313 BOILER # 4 IN ALARM NO D.H OT WATER	URGENT	NSA-SDA313	3/24/16 6:40 AM	COMP	3/17/16 6:40 AM
NH33 BOILER OFF DO TO ABNORMAL FLAME NO HOT WATER	URGENT	NSA-NH33	3/25/16 6:01 AM	COMP	3/18/16 6:01 AM
NH95 2ND FLOOR RM 2030 BOILER # 5 LOCKED OUT & BOILER # 4 LOCKS OUT EVERY OTHER DAY	URGENT	NSA-NH95	1/14/16 7:43 AM	COMP	1/7/16 7:43 AM
NH95 ROOM 2030 BOTH BOILERS LOCKED OUT # 67	URGENT	NSA-NH95	1/18/16 7:20 AM	COMP	1/11/16 7:20 AM
MCA9 #2 BOILER OFF LINE. WILL NOT RESTART.	URGENT	NSA-MCA9	2/3/16 11:01 AM	COMP	1/27/16 11:01 AM
SDA313 Building heat boiler inop as per DDC tech email.	URGENT	NSA-SDA313	2/24/16 10:30 AM	COMP	2/17/16 10:30 AM
NH19 DOMESTIC HOT IS NOT HOT CHECK BOILER FOR TEMP.AND ADJUST	URGENT	NSA-NH19	3/4/16 4:00 PM	COMP	2/22/16 10:52 AM
NH41B BOILERS FULL OF WATER.. WATER CONTINUES TO BE ADDED FROM THE FEEDWATER TANK.. POC FOR INFORMATION MIKE COLLINS WITH METRO CHEM @ 287-3544.	URGENT	NSA-NH41B	3/11/16 4:00 PM	COMP	3/1/16 9:11 AM
NH32 CK. BOILER WATER TEMP. IS ONLY 100 DEG.NO HEAT IN BUILDING	URGENT	NSA-NH46	3/10/16 6:57 AM	COMP	3/3/16 6:57 AM
NH38 MONITOR STEAM BOILER WHILE WATER IS SECURED	URGENT	NSA-NH38	2/25/16 7:19 AM	COMP	2/18/16 7:19 AM
NH1A CHECK ALL BOILERS WITH CONTRACTOR MAKE NECESSARY REPAIRS AND ADJUSTMENTS	URGENT	NSA-NH1A	3/24/16 4:00 PM	COMP	2/25/16 8:13 AM
SDA313 is in alarm. DDC is giving the boiler an enable command but the boiler is in alarm.	URGENT	NSA-SDA313	3/3/16 8:46 AM	COMP	2/25/16 8:46 AM

Description	Work Type	Location	Target Finish	Status	Approved Date
NH33 BOILER OUT ON LOW FLAME D.H.W.SIDE	URGENT	NSA-NH33	4/7/16 10:41 AM	ASSIGNED	3/31/16 10:41 AM
SDA313 BOILER IN ALARM, CK BOILER	URGENT	NSA-SDA313	3/31/16 7:24 AM	ASSIGNED	3/24/16 7:24 AM
NH45A ASSIST KTR TROUBLESHOOTING THE 3 BOILERS THAT ARE OFF LINE.	URGENT	NSA-NH41B	3/14/16 11:40 AM	COMP	3/7/16 11:40 AM
NH32 NO HEAT BOILER'S IN ALARM	URGENT	NSA-NH32	3/28/16 10:58 AM	COMP	3/21/16 10:58 AM
SDA313 NO HEAT BOILER IN ALARM FROM DDC	URGENT	NSA-SDA313	3/28/16 11:14 AM	COMP	3/21/16 11:14 AM
SDA313 BOILER # 4 IN ALARM NO D.H OT WATER	URGENT	NSA-SDA313	3/24/16 6:40 AM	COMP	3/17/16 6:40 AM
NH33 BOILER OFF DO TO ABNORMAL FLAME NO HOT WATER	URGENT	NSA-NH33	3/25/16 6:01 AM	COMP	3/18/16 6:01 AM
NH95 2ND FLOOR RM 2030 BOILER # 5 LOCKED OUT & BOILER # 4 LOCKS OUT EVERY OTHER DAY	URGENT	NSA-NH95	1/14/16 7:43 AM	COMP	1/7/16 7:43 AM

Description	Work Type	Location	Target Finish	Status	Approved Date
NH95 ROOM 2030 BOTH BOILERS LOCKED OUT # 67	URGENT	NSA-NH95	1/18/16 7:20 AM	COMP	1/11/16 7:20 AM
MCA9 #2 BOILER OFF LINE. WILL NOT RESTART.	URGENT	NSA-MCA9	2/3/16 11:01 AM	COMP	1/27/16 11:01 AM
SDA313 Building heat boiler inop as per DDC tech email.	URGENT	NSA-SDA313	2/24/16 10:30 AM	COMP	2/17/16 10:30 AM
NH19 DOMESTIC HOT IS NOT HOT CHECK BOILER FOR TEMP.AND ADJUST	URGENT	NSA-NH19	3/4/16 4:00 PM	COMP	2/22/16 10:52 AM
NH41B BOILERS FULL OF WATER.. WATER CONTINUES TO BE ADDED FROM THE FEEDWATER TANK.. POC FOR INFORMATION MIKE COLLINS WITH METRO CHEM @ 287-3544.	URGENT	NSA-NH41B	3/11/16 4:00 PM	COMP	3/1/16 9:11 AM
NH32 CK. BOILER WATER TEMP. IS ONLY 100 DEG.NO HEAT IN BUILDING	URGENT	NSA-NH46	3/10/16 6:57 AM	COMP	3/3/16 6:57 AM
NH38 MONITOR STEAM BOILER WHILE WATER IS SECURED	URGENT	NSA-NH38	2/25/16 7:19 AM	COMP	2/18/16 7:19 AM
NH1A CHECK ALL BOILERS WITH CONTRACTOR MAKE NECESSARY REPAIRS AND ADJUSTMENTS	URGENT	NSA-NH1A	3/24/16 4:00 PM	COMP	2/25/16 8:13 AM
SDA313 is in alarm. DDC is giving the boiler an enable command but the boiler is in alarm.	URGENT	NSA-SDA313	3/3/16 8:46 AM	COMP	2/25/16 8:46 AM

ATTACHMENT J-1502000-06
METER GROUP DESCRIPTIONS

Uniformat Classification & Description	Meter & Description
D3020130 - Boiler, Cast Iron, Hot Water, Gas	CR-5060 - Record the condition of the Burner Assembly
	CR-5200 - Record the condition of the Controls
	CR-5365 - Record the condition of the Firebox/Fire Tubes
	CR-5370 - Record the condition of the Flue
	CR-5380 - Record the condition of the Fuel System
	CR-5530 - Record the condition of the Piping/Fittings/Valves
	CR-5540 - Record the condition of the Pressure Vessel
	CR-5690 - Record the condition of the Wiring/Connections
D3020134 - Boiler, Cast Iron, Steam, Gas	CR-5060 - Record the condition of the Burner Assembly
	CR-5200 - Record the condition of the Controls
	CR-5365 - Record the condition of the Firebox/Fire Tubes
	CR-5520 - Record the condition of the Pipes/Fittings/Valves
	CR-5540 - Record the condition of the Pressure Vessel
D3020136 - Boiler, Cast Iron, Hot Water, Gas/Oil	CR-5060 - Record the condition of the Burner Assembly
	CR-5200 - Record the condition of the Controls
	CR-5365 - Record the condition of the Firebox/Fire Tubes
	CR-5380 - Record the condition of the Fuel System
	CR-5530 - Record the condition of the Piping/Fittings/Valves
	CR-5540 - Record the condition of the Pressure Vessel
D3020138 - Boiler, Cast Iron, Steam, Gas/Oil	CR-5060 - Record the condition of the Burner Assembly
	CR-5200 - Record the condition of the Controls
	CR-5345 - Record the condition of the Feed Water System
	CR-5365 - Record the condition of the Firebox/Fire Tubes
	CR-5370 - Record the condition of the Flue
	CR-5530 - Record the condition of the Piping/Fittings/Valves
	CR-5540 - Record the condition of the Pressure Vessel
D3020901 - Boiler, Cast Iron, HW, Oil	CR-5060 - Record the condition of the Burner Assembly
	CR-5200 - Record the condition of the Controls
	CR-5365 - Record the condition of the Firebox/Fire Tubes
	CR-5370 - Record the condition of the Flue
	CR-5380 - Record the condition of the Fuel System
	CR-5530 - Record the condition of the Piping/Fittings/Valves
	CR-5540 - Record the condition of the Pressure Vessel
	CR-5690 - Record the condition of the Wiring/Connections
D3020902 - Boiler, Cast Iron, Steam, Oil	CR-5060 - Record the condition of the Burner Assembly
	CR-5200 - Record the condition of the Controls
	CR-5365 - Record the condition of the Firebox/Fire Tubes

ATTACHMENT J-1502000-06
METER GROUP DESCRIPTIONS

Uniformat Classification & Description	Meter & Description
	CR-5520 - Record the condition of the Pipes/Fittings/Valves
	CR-5540 - Record the condition of the Pressure Vessel

ATTACHMENT J-1502000-07
GENERAL DIRECT CONDITION RATING GUIDANCE

Rating	SRM Needs	Rating Definition
Green (+)	Sustainment consisting of possible preventive maintenance (where applicable).	Entire component-section or component-section sample free of observable or known distress.
Green	Sustainment consisting of possible preventive maintenance (where applicable)	No component-section or sample serviceability* or reliability* reduction. Some, but not all, minor (non-critical) subcomponents may suffer from slight degradation <u>or</u> few major (critical) subcomponents may suffer from slight degradation.
Green (-)	and minor repairs (corrective maintenance) to possibly few or some subcomponents.	Slight or no serviceability or reliability reduction overall to the component-section or sample. Some, but not all, minor (non-critical) subcomponents may suffer from minor degradation or more than one major (critical) subcomponent may suffer from slight degradation.
Amber (+)	Sustainment or restoration to any of the following: Minor repairs to several subcomponents; or	Component-section or sample serviceability or reliability is degraded, but adequate. A very few, major (critical) subcomponents may suffer from moderate deterioration with <u>perhaps</u> a few minor (non-critical) subcomponents suffering from severe deterioration.
Amber	Significant repair, rehabilitation, or replacement of one or more subcomponents,	Component-section or sample serviceability or reliability is definitely impaired. Some, but not a majority, major (critical) subcomponents may suffer from moderate deterioration with perhaps many minor (non-critical) subcomponents suffering from severe deterioration.
Amber (-)	but not enough to encompass the component-section as a whole; or Combinations thereof.	Component-section or sample has significant serviceability or reliability loss. Most subcomponents may suffer from moderate degradation <u>or</u> a few major (critical) subcomponents may suffer from severe degradation.
Red (+)	Sustainment or restoration required consisting of major repair, rehabilitation, or replacement to the component-section as a whole.	Significant serviceability or reliability reduction in component-section or sample. A majority of subcomponents are severely degraded and others may have varying degrees of degradation.
Red		Severe serviceability or reliability reduction to the component-section or sample such that it is barely able to perform. Most subcomponents are severely degraded.
Red (-)		Overall component-section degradation is total. Few, if any, subcomponents salvageable. Complete loss of component-section or sample serviceability.

ATTACHMENT J-1502000-08
METER GROUP CONDITION RATING GUIDANCE

Meter	Direct Condition Rating Guidance
CR-5060	<p>GREEN: Burners have minimal damage or corrosion, but is fully operational</p> <p>AMBER: Burners have noticeable damage or corrosion, flame quality may need adjustment, but still operationally sound</p> <p>RED: Burners have significant damage or corrosion, may be loose or displaced, improper flame, and is not operationally sound</p>
CR-5200	<p>GREEN: Controls function properly</p> <p>AMBER: Controls need calibrating</p> <p>RED: Controls are damaged and/or not operational</p>
CR-5365	<p>GREEN: Firebox has minimal damage or corrosion</p> <p>AMBER: Firebox has noticeable damage or corrosion, but no cracks or holes</p> <p>RED: Firebox has significant damage or corrosion, cracks or holes may be present</p>
CR-5370	<p>GREEN: Flue has minimal damage, is secured and aligned properly, and fully operational</p> <p>AMBER: Flue has noticeable damage and corrosion, may be slightly loose or misaligned, but still operational</p> <p>RED: Flue has significant damage and corrosion, noticeably loose, misaligned, or missing, and/or operationally impaired</p>
CR-5380	<p>GREEN: Little to no damage or corrosion, secure connections, no leaks, fully operational</p> <p>AMBER: Fuel System has noticeable damage or corrosion, but free of leaks, fully operational</p> <p>RED: Fuel System has significant damage or corrosion, significant leaking, and/or is operationally impaired</p>
CR-5530	<p>GREEN: Piping/fittings free of leaks, all connections are tight, valves operate properly, insulation is in place, minimal corrosion</p> <p>AMBER: Piping/Fittings show noticeable signs of corrosion, missing or damaged insulation, but connections are tight and no leaking</p> <p>RED: Piping/Fittings are damaged and leaking, valves are not functioning, significant internal scale and corrosion may lead to clogs</p>
CR-5540	<p>GREEN: Tank has little to no damage or corrosion, no leaks, insulation is intact where applicable, stable and secure</p> <p>AMBER: Tank has some damage or corrosion, insulation may be missing, very minor leaks may be present, but overall holds its contents, is stable and secure</p> <p>RED: Tank has noticeable damage, punctures, holes, and leaks, may be unstable or not fully secured</p>
CR-5690	<p>GREEN: Wiring is protected/insulated and connections are secure</p> <p>AMBER: Wiring is may be frayed but not exposed, connection are generally secure, no noticeable risk of unintentional grounding</p> <p>RED: Wiring is significantly deteriorated or frayed, connection are loose, or risk of unintentional grounding</p>

