

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE 1	OF PAGE(S) 2
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2. AMENDMENT/MODIFICATION NO. 3	3. EFFECTIVE DATE See Block 16c below.	4. REQUISITION/PURCHASE REQ. NO. See Block 12 below.	5. PROJECT NO. (If applicable)
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6. ISSUED BY National Aeronautics and Space Administration NASA Glenn Research Center Cleveland, Ohio 44135	7. ADMINISTERED BY (If other than Item 6)
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8. NAME AND ADDRESS OF CONTRACTOR (No. Street, county, State and ZIP: Code) Potential Offerors: Cooling Tower Rehab Solicitation	(4)	9A. AMENDMENT OF SOLICITATION NO. NNC12ZFD011E
	X	9B. DATED (SEE ITEM 11) Feb 28, 2012
		10A. MODIFICATION OF CONTRACT/ORDER NO.
		10B. DATED (SEE ITEM 13)

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 one (1) copy 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 DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you 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 data specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
N/A

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

	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.)

The solicitation is hereby revised as follows:

- a) The hour and date of receipt of Bids is NOT extended and remains **April 18, 2012 at 2 p.m. local time (Eastern Daylight Time)**.
- b) Section B (contained on pages 3 to 10, inclusive, of the solicitation) is hereby removed and replaced with the Revised Section B, attached).

Except at 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) AARON A. OLMSTED, CONTRACTING OFFICER		
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY _____ (Signature of Contracting Officer)	16C. DATE SIGNED

- c) Attachment A – Bid Issue Summary has been updated.
- d) A list of notable changes to Lewis Field (Attachment C) and Plum Brook (Attachment E) Drawings (added with Amendment 2) is included for reference.
- e) Offerors must acknowledge receipt of this amendment prior to the hour and date specified above by one of the following methods:
 - 1. By signing and returning one copy of the Standard Form 30;
 - 2. By acknowledging receipt on each copy of the proposal submitted;
 - 3. By separate letter or telegram which includes a reference to the solicitation and amendment number; or
 - 4. By filling in Block Number nineteen (19) on the Standard Form 1442 of the solicitation.
- f) Failure of the Offeror to acknowledge this amendment may be cause for rejection of the proposal.

COMPANY: _____

ADDRESS: _____

CITY: _____

STATE / ZIP: _____

Two attachments to this amendment:

- 1) Revised Section B
- 2) List of notable changes to Lewis Field and Plum Brook Drawing Sets

Notable Changes to Lewis Field Drawing Set

Consolidated electrical drawings associated with the actuated control valves in the ERB Basement (Building 5, Building 37 and Building 38) and re-issued as an indexed set.

Consolidated electrical drawings associated with Vibration Switches, Cooling Tower Nos. 1 and 5 Riser Valves, and Fan Disconnects and re-issued as an indexed set.

Both drawing sets have clarified drawing clouds to indicate scope that is By Contractor and scope By Others and/or Work Order which will be performed by In-house Contractors (e.g. MTI).

Notable Changes to Plum Brook Drawing Set

GI-002 Deleted note related to all piping shall be Ductile Iron Pipe Size under "Piping"

GI-101 Add Section A-A
Add Section A-A on Plan
Revised pipe elevations at and around 4" Sanitary on Profile

MS-101 Add Drawing Note A

ES-101 Revised Note 02 conduit quantity number from 4 to 5 and size from 3" to 4" on Plan
Note 02 description on drawing is not correct and the Plan note is correct.
Add one (1) 3/4 inch conduit and wire run for exterior lighting circuit
Cross Reference E-801 for duct bank conduit quantity and size
Add Drawing Note 04
Add electrical notation on plan for new EMCS Panel conduit run

M-001 Add General Notes A through E to cross reference M-series of drawings
Add pipe legend abbreviations for CTBD, CTOS, CTOR and DW

M-401 Revised pump ID locations for CTP-1 and CTP-3
Add 8" by-pass return to cooling tower basin on Plan and Isometric
Delete TCV and pipe run that originally by-passed cooling towers on Plan and Isometric
Revised sanitary line type to reflect aboveground in a portion of the SPF basement

M-601 Deleted ASTM 31-3 notation on pipe schedule for Cooling Water
Corrected SDR26 typo on pipe material under Sanitary on pipe schedule
Add Unless Otherwise Noted on pipe schedule remarks for Cooling Water, Ozone and Sanitary
Add Drawing Notes A and B
Revised Potable Cold Design Standard from B31.3 to B31.9
Deleted pneumatic notation from Pipe Test Criteria Schedule Note 1
Revised Control Valve Schedule to reflect changes with Tower basin by-pass configuration, cross reference with M-401, M-701, M-801 and M-802
Add trap primer line to sanitary P-trap for separator system blowdown line

M-701 Revised Sequence of Operations to reflect changes with Tower by-pass configuration, cross reference M-401, M-601, M801 and M-802.

Add Drawing Notes A through C

Revised I/O schedule for items 50 through 52 and added items 53 and 54

M-801 Cross referenced blow down detail on M-601

Add Drawing Note 6 and 7

Revised Cooling Water Return to Tower

Deleted temperature by-pass, one (1) TCV valve and piping, around Cooling Tower Cells

Add Basin Return to Tower Cell No 1 with (1) Control Valve and (1) Balance valve

Add Basin Return to Tower Cell No 2 with (1) Control Valve and (1) Balance valve

Revised Tower Top Return to reflect inclusion of basin by-pass

SECTION B - SUPPLIES OR SERVICES AND PRICES

B.1 SUPPLIES AND SERVICES TO BE FURNISHED – CONSTRUCTION

The contractor shall provide all personnel, facilities, equipment, material, and resources (except as may be expressly stated in this contract as furnished by the Government) necessary to perform the construction work as described in the Description/Specifications/Work Statement in Section C (Attachment A).

(End of clause)

B.2 OFFER SCHEDULE CONSTRUCTION

The Offer Schedule shall be completed by the bidder and made a part of the offer under block 17 of the Standard Form 1442 (SF-1442). Contractor shall bid on the following for each Cooling Tower Water System.

(a) Cooling Tower No. 1

BASE OFFER COOLING TOWER ONE —

THE FIXED PRICE AMOUNT FOR FURNISHING ALL SERVICES, LABOR AND MATERIAL FOR WORK DELINEATED IN SPECIFICATION AND DRAWINGS (SECTION C) **[EXCLUDING OPTION ITEMS]:**

\$ _____

OPTION NUMBER ONE (1)

PROVIDE PRESSURE WASH, CLEANING AND EPOXY COATING TO BASIN

THE FIXED PRICE AMOUNT FOR FURNISHING ALL SERVICES, LABOR AND MATERIAL FOR WORK DELINEATED IN SPECIFICATION AND DRAWINGS (SECTION C):

\$ _____

OPTION NUMBER TWO (2)

CLEAN, PRIME AND PAINT ALL STEEL FRAMES, MOTORS, MOTOR BASES AND ALL OTHER APPLICABLE MISC COMPONENTS AND/OR ITEMS

THE FIXED PRICE AMOUNT FOR FURNISHING ALL SERVICES, LABOR AND MATERIAL FOR WORK DELINEATED IN SPECIFICATION AND DRAWINGS (SECTION C):

\$ _____

OPTION NUMBER THREE (3)

POWER WASH, REPAIR AND SEAL EXTERIOR SIDING

THE FIXED PRICE AMOUNT FOR FURNISHING ALL SERVICES, LABOR AND MATERIAL FOR WORK DELINEATED IN SPECIFICATION AND DRAWINGS (SECTION C):

\$ _____

OPTION NUMBER FOUR (4)

REPLACE VALVE PIT COVERS IN KIND AT COOLING TOWER NO. 1

THE FIXED PRICE AMOUNT FOR FURNISHING ALL SERVICES, LABOR AND MATERIAL FOR WORK DELINEATED IN SPECIFICATION AND DRAWINGS (SECTION C):

\$ _____

OPTION NUMBER FIVE (5)

REPLACE ALL FAN DISCONNECT PANELS

THE FIXED PRICE AMOUNT FOR FURNISHING ALL SERVICES, LABOR AND MATERIAL FOR WORK DELINEATED IN SPECIFICATION AND DRAWINGS (SECTION C):

\$ _____

(b) Cooling Tower No. 4

BASE OFFER COOLING TOWER FOUR —

THE FIXED PRICE AMOUNT FOR FURNISHING ALL SERVICES, LABOR AND MATERIAL FOR WORK DELINEATED IN SPECIFICATION AND DRAWINGS (SECTION C) **[EXCLUDING OPTION ITEMS]:**

\$ _____

OPTION NUMBER ONE (1)

PROVIDE PRESSURE WASH, CLEANING AND EPOXY COATING TO BASIN

THE FIXED PRICE AMOUNT FOR FURNISHING ALL SERVICES, LABOR AND MATERIAL FOR WORK DELINEATED IN SPECIFICATION AND DRAWINGS

(SECTION C):

\$ _____

OPTION NUMBER TWO (2)

CLEAN, PRIME AND PAINT ALL STEEL FRAMES, MOTORS, MOTOR BASES AND ALL OTHER APPLICABLE MISC COMPONENTS AND/OR ITEMS

THE FIXED PRICE AMOUNT FOR FURNISHING ALL SERVICES, LABOR AND MATERIAL FOR WORK DELINEATED IN SPECIFICATION AND DRAWINGS (SECTION C):

\$ _____

OPTION NUMBER THREE (3)

REPAIR AND SEAL EXTERIOR SIDING

THE FIXED PRICE AMOUNT FOR FURNISHING ALL SERVICES, LABOR AND MATERIAL FOR WORK DELINEATED IN SPECIFICATION AND DRAWINGS (SECTION C):

\$ _____

OPTION NUMBER FOUR (4)

INSTALL EXTENSION LINES FOR GEARBOX OIL FILTERING

THE FIXED PRICE AMOUNT FOR FURNISHING ALL SERVICES, LABOR AND MATERIAL FOR WORK DELINEATED IN SPECIFICATION AND DRAWINGS (SECTION C):

\$ _____

(c) Cooling Tower No. 5

BASE OFFER COOLING TOWER FIVE —

THE FIXED PRICE AMOUNT FOR FURNISHING ALL SERVICES, LABOR AND MATERIAL FOR WORK DELINEATED IN SPECIFICATION AND DRAWINGS (SECTION C) **[EXCLUDING OPTION ITEMS]:**

\$ _____

OPTION NUMBER ONE (1)

PROVIDE PRESSURE WASH, CLEANING AND EPOXY COATING TO BASIN

THE FIXED PRICE AMOUNT FOR FURNISHING ALL SERVICES, LABOR AND MATERIAL FOR WORK DELINEATED IN SPECIFICATION AND DRAWINGS (SECTION C):

\$ _____

OPTION NUMBER TWO (2)

REPLACE EXTENSION LINES FOR GEARBOX OIL FILTERING

THE FIXED PRICE AMOUNT FOR FURNISHING ALL SERVICES, LABOR AND MATERIAL FOR WORK DELINEATED IN SPECIFICATION AND DRAWINGS (SECTION C):

\$ _____

OPTION NUMBER THREE (3)

INSPECT EXISTING PUMPS A, B AND C IN BUILDING 94

THE FIXED PRICE AMOUNT FOR FURNISHING ALL SERVICES, LABOR AND MATERIAL FOR WORK DELINEATED IN SPECIFICATION AND DRAWINGS (SECTION C):

\$ _____

(d) Cooling Tower Space Power Facility (SPF)

BASE OFFER COOLING TOWER SPACE POWER FACILITY (SPF) —

THE FIXED PRICE AMOUNT FOR FURNISHING ALL SERVICES, LABOR AND MATERIAL FOR WORK DELINEATED IN SPECIFICATION AND DRAWINGS (SECTION C) **[EXCLUDING OPTION ITEMS]**:

\$ _____

OPTION NUMBER ONE (1)

PROVIDE COOLING TOWER CELL # 3 AND ASSOCIATED COMPONENTS

THE FIXED PRICE AMOUNT FOR FURNISHING ALL SERVICES, LABOR AND

NNC12ZFD011E COOLING TOWER REPAIR – AMENDMENT 3

MATERIAL FOR WORK DELINEATED IN SPECIFICATION AND DRAWINGS
(SECTION C):

\$ _____

B.3 ADDITIONAL OPTIONS:

(a) Cooling Tower No. 3

OPTION NUMBER ONE (1)

REPLACE FAN VIBRATION SWITCHES (TOTAL OF 10) AND ASSOCIATED
ELECTRICAL COMPONENTS, CONDUIT AND WIRING

THE FIXED PRICE AMOUNT FOR FURNISHING ALL SERVICES, LABOR AND
MATERIAL FOR WORK DELINEATED IN SPECIFICATION AND DRAWINGS
(SECTION C):

\$ _____

OPTION NUMBER TWO (2)

REPAIR STRUCTURAL MEMBERS

THE FIXED PRICE AMOUNT FOR FURNISHING ALL SERVICES, LABOR AND
MATERIAL FOR WORK DELINEATED IN SPECIFICATION AND DRAWINGS
(SECTION C):

\$ _____

OPTION NUMBER THREE (3)

REPLACE FILL MATERIAL AND DRIFT ELIMINATORS

THE FIXED PRICE AMOUNT FOR FURNISHING ALL SERVICES, LABOR AND
MATERIAL FOR WORK DELINEATED IN SPECIFICATION AND DRAWINGS
(SECTION C):

\$ _____

OPTION NUMBER FOUR (4)

REPAIR TOP DECKING, DECK SUPPORTS, INTERNAL WALKWAYS, STAIRS,
HATCHES AND DOORS OF COOLING TOWER

NNC12ZFD011E COOLING TOWER REPAIR – AMENDMENT 3

THE FIXED PRICE AMOUNT FOR FURNISHING ALL SERVICES, LABOR AND MATERIAL FOR WORK DELINEATED IN SPECIFICATION AND DRAWINGS (SECTION C):

\$ _____

OPTION NUMBER FIVE (5)

CLEAN, PRIME AND PAINT ALL STEEL FRAMES, MOTORS, MOTOR BASES AND ALL OTHER APPLICABLE MISC COMPONENTS AND/OR ITEMS

THE FIXED PRICE AMOUNT FOR FURNISHING ALL SERVICES, LABOR AND MATERIAL FOR WORK DELINEATED IN SPECIFICATION AND DRAWINGS (SECTION C):

\$ _____

OPTION NUMBER SIX (6)

POWER WASH, REPAIR AND SEAL EXTERIOR SIDING

THE FIXED PRICE AMOUNT FOR FURNISHING ALL SERVICES, LABOR AND MATERIAL FOR WORK DELINEATED IN SPECIFICATION AND DRAWINGS (SECTION C):

\$ _____

(b) Cooling Tower No. 6

OPTION NUMBER ONE (1)

REPLACE FAN VIBRATION SWITCHES (TOTAL OF 14) AND ASSOCIATED ELECTRICAL COMPONENTS, CONDUIT AND WIRING

THE FIXED PRICE AMOUNT FOR FURNISHING ALL SERVICES, LABOR AND MATERIAL FOR WORK DELINEATED IN SPECIFICATION AND DRAWINGS (SECTION C):

\$ _____

OPTION NUMBER TWO (2)

REPAIR STRUCTURAL MEMBERS

THE FIXED PRICE AMOUNT FOR FURNISHING ALL SERVICES, LABOR AND MATERIAL FOR WORK DELINEATED IN SPECIFICATION AND DRAWINGS (SECTION C):

\$ _____

OPTION NUMBER THREE (3)

REPAIR TOP DECKING, DECK SUPPORTS, INTERNAL WALKWAYS, STAIRS, HATCHES AND DOORS OF COOLING TOWER

THE FIXED PRICE AMOUNT FOR FURNISHING ALL SERVICES, LABOR AND MATERIAL FOR WORK DELINEATED IN SPECIFICATION AND DRAWINGS (SECTION C):

\$ _____

OPTION NUMBER FOUR (4)

CLEAN, PRIME AND PAINT ALL STEEL FRAMES, MOTORS, MOTOR BASES AND ALL OTHER APPLICABLE MISC COMPONENTS AND/OR ITEMS

THE FIXED PRICE AMOUNT FOR FURNISHING ALL SERVICES, LABOR AND MATERIAL FOR WORK DELINEATED IN SPECIFICATION AND DRAWINGS (SECTION C):

\$ _____

OPTION NUMBER FIVE (5)

POWER WASH, REPAIR AND SEAL EXTERIOR SIDING

THE FIXED PRICE AMOUNT FOR FURNISHING ALL SERVICES, LABOR AND MATERIAL FOR WORK DELINEATED IN SPECIFICATION AND DRAWINGS (SECTION C):

\$ _____

B.4 1852.216-78 FIRM FIXED PRICE (DEC 1988)

The total firm fixed price of this contract including ALL Base Bids (Cooling Towers 1, 4, 5, SPF) and **ALL** options (Cooling Tower 1 Options 1-5, Cooling Tower 4 Options 1-4, Cooling Tower 5 Options 1-3, Cooling Tower SPF Option 1, Cooling Tower 3 Options 1-6, Cooling Tower 6 Options 1-5) is (Amount in words):

\$ _____

B.5 1852.214-71 GROUPING FOR AGGREGATE AWARD (MAR 1989)

(a) The Government will evaluate offers and make award on a basis of the aggregate offers for items:

ALL Base Bids (Cooling Towers 1, 4, 5, SPF) and ALL options (Cooling Tower 1 Options 1-5, Cooling Tower 4 Options 1-4, Cooling Tower 5 Options 1-4, Cooling Tower SPF Option 1, Cooling Tower 3 Options 1-7, Cooling Tower 6 Options 1-5)

The Government will not consider an offer for quantities less than those specified for these items.

(b) If this is an invitation for bids, the Government will reject as **non-responsive** a bid that is not made on the total quantities for all of the items specified in paragraph (a) of this section.

(End of clause)

[END OF SECTION]