

2. AMENDMENT/MODIFICATION NO. M0012	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. ZEROREQ-NRO-18-0006	5. PROJECT NO. (If applicable)
6. ISSUED BY US NRC - HQ ACQUISITION MANAGEMENT DIVISION MAIL STOP TWFN-5E03 WASHINGTON DC 20555-0001	CODE NRCHQ	7. ADMINISTERED BY (If other than Item 6)	CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) TAYLOR ENGINEERING INC 10151 DEERWOOD PARK BLVD STE 300 JACKSONVILLE FL 322565507	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	x	10A. MODIFICATION OF CONTRACT/ORDER NO. NRC-HQ-13-C-42-0051
		10B. DATED (SEE ITEM 13) 09/09/2013
CODE 181561168	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 ACKNOWLEDGEMENT 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 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 date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)  
See Schedule

**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:
X	D. OTHER (Specify type of modification and authority) 52.243-3 Changes. Time-and-Materials or Labor-Hours (SEPT 2000)

**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.)  
Technical Assistance with Tsunami and Storm Surge Hazard Assessment at Nuclear Power Plant Sites in the United States

Contractor POCs:  
Business: Christopher Bender, Project Manager  
Email: cbender@taylorengeering.com  
Phone: (904) 731-7040  
Technical: James Marino, President  
Email: jmarino@taylorengeering.com  
Phone: (904) 731-7040

Continued ...  
Except as provided herein, all terms and conditions of the document referenced in Item 9 A 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) ERIKA EAM
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED
	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)
	16C. DATE SIGNED 02/21/2018

**CONTINUATION SHEET**

REFERENCE NO. OF DOCUMENT BEING CONTINUED  
NRC-HQ-13-C-42-0051/M0012

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NAME OF OFFEROR OR CONTRACTOR  
TAYLOR ENGINEERING INC

ITEM NO. (A)	SUPPL ES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>The purpose of this modification is to:</p> <ol style="list-style-type: none"> <li>1. Change the Contracting Officer's Representative (COR) and designate an Alternate COR; and</li> <li>2. Revise various sections of the contract.</li> </ol> <p>Please see the attached for detailed information. LIST OF CHANGES: Reason for Modification : Other Administrative Action Buyer changed from MARK THOMPSON  to ERIKA EAM  Contracting Officer changed from MARK THOMPSON  to ERIKA EAM  Contracting Officer Representative changed from LAURA M QUINN-WILLINGHAM  to JENISE THOMPSON  IPP Business Unit changed to : GREATERTHANEQ25000  Period of Performance: 09/15/2013 to 09/14/2018</p>				

Accordingly, the following specific change is to be made to the Contract:

**1. Section F – Deliveries or Performance, F.3 NRCF010 PLACE OF DELIVERY-REPORTS**, delete in its entirety and replace with the following:

“The items to be furnished hereunder shall be delivered, with all charges paid by the Contractor, to:

a. Name: Jenise Thompson (1 hard copy)  
Contracting Officer’s Representative (COR)  
U.S. Nuclear Regulatory Commission  
Mail Stop - OWFN/ 07 D01  
Washington, DC 20555

b. Electronic copies to:

Name: Erika Eam [Erika.Eam@nrc.gov](mailto:Erika.Eam@nrc.gov) (1 electronic copy)  
Contracting Officer (CO)  
U.S. Nuclear Regulatory Commission  
Acquisition Management Division  
Mail Stop - TWFN/08 C14  
Washington, DC 20555”

**2. Section G – CONTRACT ADMINISTRATION DATA**

a. **G.1 2052.215-71, PROJECT OFFICER AUTHORITY (NOVEMBER 2006) (a)**, delete in its entirety and replace with the following:

“(a) The contracting officer's authorized representative hereinafter referred to as the COR for this contract is:

COR: Name: Jenise Thompson  
Office: OWFN/ 07 D01  
Street Address (Include Office Symbol): U.S. Nuclear Regulatory Commission,  
City, State and Zip code: Washington, DC 20555-0001  
Telephone Number: 301-415-1811  
E-Mail: [Jenise.Thompson@nrc.gov](mailto:Jenise.Thompson@nrc.gov)

Alternate COR Name: Mike Lee  
Office: OWFN/ 07 C06  
Street Address (Include Office Symbol): U.S. Nuclear Regulatory Commission,  
City, State and Zip code: Washington, DC 20555-0001  
Telephone Number: 301-415- 6887  
Telephone Number: [Mike.Lee@nrc.gov](mailto:Mike.Lee@nrc.gov)”;

b. **G.3 ELECTRONIC PAYMENT (JUN 2013)**, delete in its entirety and replace with the following:

“**G.3 ELECTRONIC PAYMENT (DEC 2017)**

The Debt Collection Improvement Act of 1996 requires that all payments except IRS tax refunds be made by Electronic Funds Transfer. Payment shall be made in accordance with FAR 52.232-33, entitled "Payment by Electronic Funds Transfer-System for Award Management."

To receive payment, the contractor shall prepare invoices in accordance with NRC's Billing Instructions. Claims shall be submitted through the Invoice Processing Platform (IPP) (<https://www.ipp.gov/>). Back up documentation shall be included as required by the NRC's Billing Instructions.

(End of Clause)

- 3. SECTION J – List of Documents, Exhibits, and Other Attachments, Attachment No. 2, BILLING INSTRUCTIONS FOR TIME-AND-MATERIALS/LABOR-HOUR TYPE CONTRACTS, delete in its entirety and replace with the following attached:**



Version Control Date: August 16, 2017

**ATTACHMENT NO. 2**

**BILLING INSTRUCTIONS FOR  
TIME-AND-MATERIALS/LABOR-HOUR TYPE CONTRACTS (AUG 2017)**

**General:** During performance and through final payment of this contract, the contractor is responsible for the accuracy and completeness of data within the System for Award Management (SAM) database and the Invoice Processing Platform (IPP) system and for any liability resulting from the Government's reliance on inaccurate or incomplete SAM and/or IPP data.

The contractor shall prepare invoices/vouchers for payment of deliverables identified in the contract, in the manner described herein. FAILURE TO SUBMIT INVOICES/VOUCHERS IN ACCORDANCE WITH THESE INSTRUCTIONS MAY RESULT IN REJECTION OF THE INVOICE/VOUCHER AS IMPROPER.

**Electronic Invoice/Voucher Submissions:** Invoices/vouchers shall be submitted electronically to the U.S. Nuclear Regulatory Commission (NRC) through the Invoice Processing Platform (IPP) at [www.ipp.gov](http://www.ipp.gov).

**Purchase of Capital Property:** (*\$50,000 or more with life of one year or longer*)

Contractors must report to the Contracting Officer, electronically, any capital property acquired with contract funds having an initial cost of \$50,000 or more, in accordance with procedures set forth in NRC [Management Directive \(MD\) 11.1](#), NRC Acquisition of Supplies and Services.

**Agency Payment Office:** Payment will be made by the office designated in the contract in Block 12 of the Standard Form 26, or Block 25 of the Standard Form 33, whichever is applicable.

**Frequency:** The contractor shall submit claims for reimbursement once each month, unless otherwise authorized by the Contracting Officer.

**Supporting Documentation:** Any supporting documentation required to substantiate the amount billed shall be included as an attachment to the invoice created in IPP. If the necessary supporting documentation is not included, the invoice will be rejected.

**Task Order Contracts:** The contractor must submit a separate invoice/voucher for each individual task order with detailed cost information included as Supporting Documentation. This includes all applicable cost elements and other items discussed in paragraphs (a) through (j) of the attached instructions.

**Billing of Costs after Expiration of Contract:** If costs are incurred during the contract period and claimed after the contract has expired, you must cite the period during which these costs

were incurred. To be considered a proper expiration invoice/voucher, the contractor shall clearly mark it "EXPIRATION INVOICE" or "EXPIRATION VOUCHER".

Final invoices/vouchers shall be marked "FINAL INVOICE" or "FINAL VOUCHER".

**Currency:** Invoices/Vouchers must be expressed in U.S. Dollars.

**Supersession:** These instructions supersede previous Billing Instructions for Time-and-Materials/Labor-Hour Type Contracts (JAN 2015).

***Does my company need to register in IPP?***

If your company is currently registered in IPP and doing business with other Federal Agencies in IPP, you will not be required to re-register.

If your company is not currently registered in IPP, please note the following:

- You will be receiving an invitation to register for IPP from IPP Customer Support, [STLS.IPPHELPDESK@stls.frb.org](mailto:STLS.IPPHELPDESK@stls.frb.org).
- IPP Customer Support will send you two emails: the first email will contain the initial administrative IPP User ID and the second email, sent within 24 hours of receipt of the first email, will contain a temporary password.
- Please add the Customer Support email address ([STLS.IPPHELPDESK@stls.frb.org](mailto:STLS.IPPHELPDESK@stls.frb.org)) to your address book so you do not disregard these emails or mistake them for spam.
- During registration, one initial administrative user account will be created for your company and this user will be responsible for setting up all other user accounts including other administrators.
- Registration is complete when the initial administrative user logs into the IPP web site with the User ID and password provided by Treasury and accepts the rules of behavior.

***What type of is training provided?***

Vendor training materials, including a first time login tutorial, user guides, a [quick reference guide](#), and [frequently asked questions](#) are available on Treasury's IPP [website](#). **Individuals within your company responsible for submitting invoices should review these materials before work begins on the contract.**

***How do I receive assistance with IPP?***

Treasury's IPP Customer Support team provides vendor assistance related to the IPP application, and is also available to assist IPP users and to answer any questions related to accessing IPP or completing the registration process. IPP application support is also available via phone at (866) 973-3131, Monday through Friday from 8:00 am to 6:00 pm ET, and via email at [IPPCustomerSupport@fiscal.treasury.gov](mailto:IPPCustomerSupport@fiscal.treasury.gov).

Specific questions regarding your contract or task order should be directed to the appropriate NRC Contracting Officer.

**INVOICE/VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL**

**(SAMPLE FORMAT – INVOICE ATTACHMENT)**

- a. Billing period. Insert the beginning and ending dates (day, month, year) of the period during which costs were incurred and for which reimbursement is requested.
- b. Labor Hours Expended. Provide a general summary description of the services performed and associated labor hours utilized during the invoice period. Specify the Contract Line Item Number (CLIN) or SubCLIN, as applicable, and information pertaining to the contract's labor categories/positions, and corresponding authorized hours.
- c. Property. For contractor acquired property, list each item with an initial acquisition cost of \$50,000 or more and provide: (1) an item description, (2) manufacturer, (3) model number, (4) serial number, (5) acquisition cost, (6) date of purchase, and (7) a copy of the purchasing document.
- d. Shipping. Insert weight and zone of shipment, if shipped by parcel post.
- e. Charges for freight or express shipments. Attach prepaid bill if shipped by freight or express.
- f. Instructions. Include instructions to consignee to notify the Contracting Officer of receipt of shipment.
- g. Direct Costs. Insert the amount billed for the following cost elements, adjustments, suspensions, and total amounts, for both the current billing period and for the cumulative period (from contract inception to end date of this billing period).
  - 1. Direct (Burdened) Labor. This consists of salaries and wages paid (or accrued) for direct performance of the contract itemized, including a burden (or load) for indirect costs (i.e., fringe, overhead, General and Administrative, as applicable), and profit component, as follows:

Labor	Hours	Burdened	Cumulative	
<u>Category</u>	<u>Billed</u>	<u>Hourly Rate</u>	<u>Total</u>	<u>Hours Billed</u>

- 2. Contractor-acquired property (\$50,000 or more). List each item costing \$50,000 or more and having a life expectancy of more than one year. List only those items of equipment for which reimbursement is requested. For each such item, list the following (as applicable): (a) an item description, (b) manufacturer, (c) model number, (d) serial number, (e) acquisition cost, (f) date of purchase, and (g) a copy of the purchasing document.

3. Contractor-acquired property (under \$50,000), Materials, and Supplies. These are equipment other than that described in (2) above, plus consumable materials and supplies. List by category. List items valued at \$1,000 or more separately. Provide the item number for each piece of equipment valued at \$1,000 or more.
4. Materials Handling Fee. Indirect costs allocated to direct materials in accordance the contractor's usual accounting procedures.
5. Consultant Fee. The supporting information must include the name, hourly or daily rate of the consultant, and reference the NRC approval (if not specifically approved in the original contract).
6. Travel. Total costs associated with each trip must be shown in the following format:

<u>Start Date</u>		<u>Destination</u>		<u>Costs</u>
From	To	From	To	\$

(Must include separate detailed costs for airfare, per diem, and other transportation expenses. All costs must be adequately supported by copies of receipts or other documentation.)

7. Subcontracts. Include separate detailed breakdown of all costs paid to approved subcontractors during the billing period.
- h. Total Amount Billed. Insert columns for total amounts for the current and cumulative periods.
- i. Adjustments. Insert columns for any adjustments, including outstanding suspensions for unsupported or unauthorized hours or costs, for the current and cumulative periods.
- j. Grand Totals.



**3. Sample Invoice/Voucher Information (to be included as an attachment)**

Sample Invoice/Voucher Information (Supporting Documentation must be attached)

This invoice/voucher represents reimbursable costs for the billing period from \_\_\_\_\_ through \_\_\_\_\_.

		<u>Amount Billed</u>	
		<u>Current Period</u>	<u>Cumulative</u>
<b>(a)</b>	<b><u>Direct Costs</u></b>		
	(1) Direct burdened labor	\$ _____	\$ _____
	(2) Government property (\$50,000 or more)	\$ _____	\$ _____
	(3) Government property, Materials, and Supplies (under \$50,000 per item)	\$ _____	\$ _____
	(4) Materials Handling Fee	\$ _____	\$ _____
	(5) Consultants Fee	\$ _____	\$ _____
	(6) Travel	\$ _____	\$ _____
	(7) Subcontracts	\$ _____	\$ _____
	Total Direct Costs:	\$ _____	\$ _____
<b>(b)</b>	<b>Total Amount Billed</b>	\$ _____	\$ _____
<b>(c)</b>	<b>Adjustments (+/-)</b>	\$ _____	\$ _____
<b>(d)</b>	<b>Grand Total</b>	\$ _____	\$ _____

(The invoice/voucher format provided above must include information similar to that included below in the following to ensure accuracy and completeness.)

**SAMPLE SUPPORTING INFORMATION**

The budget information provided below is for format purposes only and is illustrative.

Cost Elements:

- 1) Direct Burdened Labor - \$4,800

Labor Category	Hours Billed	Burdened Rate	Total	Cumulative Hours Billed
Senior Engineer I	100	\$28.00	\$2,800	975
Engineer	50	\$20.00	\$1,000	465
Computer Analyst	100	\$10.00	<u>\$1,000</u>	<u>320</u>
			\$4,800	1,760 hrs.

*Burdened labor rates must come directly from the contract.*

- 2) Government-furnished and contractor-acquired property (\$50,000 or more) - \$60,000

Prototype Spectrometer - item number 1000-01 = \$60,000

- 3) Government-furnished and contractor-acquired property (under \$50,000), Materials, and

Supplies - \$2,000

10 Radon tubes @ \$110.00 = \$1,100

6 Pairs Electrostatic gloves @ \$150.00 = \$ 900

\$2,000

- 4) Materials Handling Fee - \$40

(2% of \$2,000 in item #3)

- 5) Consultants' Fee - \$100

Dr. Carney - 1 hour fully-burdened @ \$100 = \$100

- 6) Travel - \$2,640

(i) Airfare: (2 Roundtrip trips for 1 person @ \$300 per r/t ticket)

Start Date	End Date	Days	From	To	Cost
4/1/2011	4/7/2011	7	Philadelphia, PA	Wash, D.C.	\$300
7/1/2011	7/8/2011	8	Philadelphia, PA	Wash, D.C.	\$300

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(ii) Per Diem: \$136/day x 15 days = \$2,040

7) Subcontracting - \$30,000

Company A = \$10,000

Company B = \$20,000

\$30,000

(EX: Subcontracts for Companies A & B were consented to by the Contracting Officer by letter dated 6/15/2011.)

Total Amount Billed \$99,580

Adjustments (+/-) - 0

Grand Total \$99,580

**4. Definitions**

*Material handling costs.* When included as part of material costs, material handling costs shall include only costs clearly excluded from the labor-hour rate. Material handling costs may include all appropriate indirect costs allocated to direct materials in accordance with the contractor's usual accounting procedures.

All other terms and conditions remain the same.

[End of M0012]