

ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

1 11

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

BPA NO.

1. DATE OF ORDER PEB 25 2013		2. CONTRACT NO. (If any) NRC-HQ-12-C-42-0094		6. SHIP TO:	
3. ORDER NO NRC-T003		4. REQUISITION/REFERENCE NO.		8. NAME OF CONSIGNEE U.S. Nuclear Regulatory Commission	
5. ISSUING OFFICE (Address correspondence to) U.S. Nuclear Regulatory Commission Div. of Contracts Attn: P. Merriweather Mail Stop: TWB-01-B10M Washington, DC 20555				b. STREET ADDRESS	
7. TO:				c. CITY Washington	d. STATE DC
a. NAME OF CONTRACTOR ENERGY RESEARCH, INC.		DUNS: 621211259 DUNS-4:		e. ZIP CODE 20555	
b. COMPANY NAME				f. SHIP VIA	
c. STREET ADDRESS 6189 EXECUTIVE BLVD				8. TYPE OF ORDER	
4. CITY ROCKVILLE		a. STATE MD		<input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY	
9. ACCOUNTING AND APPROPRIATION DATA 2013-25-17-4-107 Q4015 252A 31X0200 FFS:1310821 DUNS 621211259		10. REQUISITIONING OFFICE NRO		REFERENCE YOUR _____ Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated. Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	

11. BUSINESS CLASSIFICATION (Check appropriate box(es))				12. F.O.B. POINT	
<input checked="" type="checkbox"/> a. SMALL	<input type="checkbox"/> b. OTHER THAN SMALL	<input type="checkbox"/> c. DISADVANTAGED	<input type="checkbox"/> d. WOMEN-OWNED	N/A	
<input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED	<input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM	<input type="checkbox"/> h. EDWOSB			
13. PLACE OF		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date) 6/30/2015	
a. INSPECTION See Block 6	b. ACCEPTANCE See Block 6			16. DISCOUNT TERMS NET 30 DAYS	

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	<p>The Contractor shall provide services in accordance with the attached SOW titled "COL Referencing ABWR - Technical Assistance in SER Production Work"</p> <p>COR: Christine 301-415-2713 Christine.Briggs@nrc.gov PM Dr. M. Khatib-Rahbar</p> <p>Total Order ceiling: \$250,672.82 Total Obligated Amount: \$15,000.00 Estimated Reimbursable Cost: \$238,736.02 Fees: \$11,936.80 Period of Performance: 3/01/2013-6/30/2015</p> <p><i>[Signature]</i> 3/22/2013 Authorized Official for ERI Date</p>			See CONTINUATION Page		

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages) 17(i) GRAND TOTAL
	21. MAIL INVOICE TO:						
	a. NAME Department of Interior / NBC NRCPayments@nbc.gov						
	b. STREET ADDRESS (or P.O. Box) Attn: Fiscal Services Branch - D2770 7301 W. Mansfield Avenue						
	c. CITY Denver		d. STATE CO	e. ZIP CODE 80235-2230	250,672.82		
22. UNITED STATES OF AMERICA BY (Signature) <i>[Signature]</i>				23. NAME (Typed) Pearlette Merriweather Contracting Officer TITLE: CONTRACTING/ORDERING OFFICER			

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

Updated November 26, 2012 (REV. 2/2012)
PRESCRIBED BY GSA/FAR 48 CFR 53.213(f)

TEMPLATE - ADM001

SUNSI REVIEW COMPLETE

MAR 08 2013

ADM002

SCHEDULE - SUPPLIES OR SERVICES

The period of performance of this task order is 3/1/2013 – 6/30/2015.

001	Labor Rates for Period of Performance: 3/1/2013 – 12/31/2013		
	Labor Category		Burden
		Labor rate Unburden	
	a	Project Manager (ERI)	
	b	Support Staff (ERI)	
	c	Senior Technical Reviewer (ERI)	
	d	Technical Editor (Consultant)	

002	Labor Rates for Period of Performance: 1/1/2014 – 12/31/2014		
	Labor Category		Burden
		Labor rate Unburden	
	a	Project Manager (ERI)	
	b	Support Staff (ERI)	
	c	Senior Technical Reviewer (ERI)	
	d	Technical Editor (Consultant)	

003	Labor Rates for Period of Performance: 1/1/2015 – 6/30/2015		
	Labor Category		Burden
		Labor rate Unburden	
	a	Project Manager (ERI)	
	b	Support Staff (ERI)	
	c	Senior Technical Reviewer (ERI)	
	d	Technical Editor (Consultant)	

JCN Q-4015	Contractor ERI	Task Order No. 3
Applicant Nuclear Innovation North America	Design/Site South Texas Project Units 3 and 4 (STP 3 and 4)	Docket No. 05200012 and 05200013
Title/Description COL Referencing ABWR – Technical Assistance in SER Production Work		
TAC No. RX0597	B&R Number 2013-25-17-4-107	SRP or ESRP Section(s) Various
NRC Contracting Officer Representative (Administrative)		
Christine Briggs	301-415-2713	Christine.Briggs@nrc.gov
NRC Contracting Officer Representative (Technical)		
David Misenhimer	301-415-6590	David.Misenhimer@nrc.gov
Jerry Hale	301-415-8148	Jerry.Hale@nrc.gov

1.0 **BACKGROUND**

Combined Operating License (COL) Applications are submitted pursuant to Part 52 of Title 10 of the *Code of Federal Regulations* (10 CFR 52), "Licenses, Certifications, and Approvals for Nuclear Power Plants." The U.S. Nuclear Regulatory Commission (NRC) reviews COL Applications based on information furnished by electric utility companies pursuant to 10 CFR 52.79, "Contents of Applications; Technical Information in Final Safety Analysis Report."

A Standard Review Plan (NUREG-0800) is prepared for the guidance of staff reviewers in the Office of New Reactors in performing safety reviews of applications to construct or operate nuclear power plants and the review of applications to approve standard designs and sites for nuclear power plants. The principal purpose of the SRP is to assure the quality and uniformity of staff safety reviews.

The staff publishes the results of these reviews in a Safety Evaluation Report (SER).

As part of Task Order 12 under Contract No. NRC-42-07-483, the contractor provided technical editing support related to the South Texas COL Safety Evaluations. The contractor will continue the assistance under this new contract, providing technical editing support.

2.0 **OBJECTIVE**

The objective of this task order is to obtain technical expertise from the contractor to integrate the staff technical inputs into the ABWR SER COL templates previously developed by the contractor. The deliverables from the contractor will be completed and technically edited, formatted draft Final SER to be utilized by the NRC staff for documenting the results of the staff review of the STP 3 and 4 COL application. Specifically, technical assistance is required to

incorporate references, and develop a standard SER. In addition, technical assistance is required to develop Appendices as provided in Attachment 1.

As part of this production, contractor will perform a regulatory review of cross-cutting requirements summarized in Chapter 1 on the Final Safety Analysis Report (FSAR).

3.0 WORK REQUIREMENTS, SCHEDULE AND DELIVERABLES

Tasks/Standards	Scheduled Completion	Deliverables
9. REQUIREMENT: Update Project Plan including configuration and quality control. Revise tentative schedule for deliverables based on review phase milestones contained within the project specific schedule in EPM.	Four weeks after award of Task Order.	Project Plan and tentative schedule.
10. REQUIREMENT: Participate in an orientation/kick-off meeting with the NRC staff to discuss the scope of the work, expectations and contract management. STANDARD: Attendance by individuals designated by NRC.	* (Define time period, e.g. x weeks) after authorization of work	N/A
11. REQUIREMENT: Phases 4 through 6: Update as necessary technical evaluation report related to regulatory review of cross cutting requirements identified in Ch 1 of the FSAR. Support Chapter Days and ACRS briefings as requested.	Agreed on with Lead PM.	Draft Advanced SER without open items using template and SE input.
12. REQUIREMENT: Phase 4 through 6 (e.g., staff technical evaluations and conclusions, responses to requests for additional information, and applicant updates to the COL application) incorporated into corresponding templates, draft Final SER, edited, formatted and revised based on updated SER User Guide (electronic copy to be provided).	Each Chapter draft Final SER shall be completed within two weeks after final Chapter input by NRC provided to contractor.	Draft Final SER using templates and Chapter SE input.
13. REQUIREMENT: Develop FSER Appendices listed in Attachment 1.	Agreed on with Lead PM	FSER Appendices

* These Work Schedules are subject to change by the NRC Contracting Officer (CO) to support the needs of the NRC Licensing Program Plan.

The COR may issue technical instruction from time to time throughout the duration of this task order. Technical instructions must be within the general statement of work delineated in the

task order and shall not constitute new assignments of work or changes of such a nature as to justify an adjustment in cost or period of performance. The contractor shall refer to Section G.1 of the base contract for further information and guidance on any technical directions issued under this task order.

Any modifications to the scope of work, cost or period of performance of this task order must be issued by the CO and will be coordinated with the COR.

4.0 TECHNICAL AND OTHER SPECIAL QUALIFICATIONS REQUIRED

As specified in the base contract, the contractor shall provide individuals who have the required educational background and work experience to meet the objectives of the work specified in this task order. Specific qualifications for this effort include: As a minimum, qualified personnel to perform technical evaluations, proficient in MS Word formatting features, technical editing and the performance of NRC legal reviews.

The contractor shall pursue IT2 clearance for access to the NRC network, specifically ADAMS.

The contractor shall provide a contractor project manager (PM) to oversee the effort and ensure the timely submittal of quality deliverables so that all information is accurate and complete as defined in the base contract.

The NRC will rely on representations made by the contractor concerning the qualifications of the personnel assigned to this task order, including assurance that all information contained in the technical and cost proposals, including resumes, is accurate and truthful. The resume for each professional proposed to work under this task order (contractor, subcontractor, or consultant) shall describe the individual's experience in applying his or her area of engineering specialization to work in the proposed area. The use of particular personnel on this contract is subject to the CORs approval. This includes any proposed changes to key personnel during the life of the task order.

5.0 REPORTING REQUIREMENTS

Task Order Progress Report

The contractor shall provide a monthly progress report summarizing accomplishments, expenditures, contractor staff hours expended, percent completed for each task under this task order, and any problems encountered by the contractor. Additionally, a matrix should be added that includes all sections received, reviewed (redlined) and sent back to the NRC. The report shall be sent via e-mail to the NRC CORs and CO.

Please refer to Section F of the basic contract award document for other contract reporting requirements.

Technical reporting requirements

Unless otherwise specified above, the contractor shall provide all deliverables as draft products. The COR will review all draft deliverables (and coordinate any internal NRC staff review, if needed) and provide comments back to the contractor. The contractor shall revise the draft deliverable based on the comments provided by the COR, and then deliver the final version of the deliverable. When mutually agreed upon between the contractor and the COR the

contractor may submit preliminary or partial drafts to help gauge the contractor's understanding of the particular work requirement.

The contractor shall provide the following deliverables in hard copy and electronic formats. The electronic format shall be provided in MS Word or other word processing software approved by the COR. For each deliverable, the contractor shall provide one hard copy and electronic copy to both the PM and the COR. It is assumed that the contractor has access to the NRC furnished material available on the Internet. The schedule for deliverables shall be contained in the approved project plan for the task order effort.

It is understood that the scope of the review consists of conference calls with the NRC staff, and not the applicant.

The primary deliverables, our output of this regulatory review, shall be the updated and properly formatted draft Safety Evaluation Reports (SERs). The draft SERs will serve as input to the NRC staff's SERs which will document the NRC's technical, safety, and legal basis in support of the review of the COL application. The draft SERs must provide sufficient information to adequately explain the NRC staff's rationale for the safety findings. The draft SERs, and ultimately the SERs, should be written in a manner whereby a person with a technical (non-nuclear) background and unfamiliar with the applicant's request could understand the basis for staff's conclusions. The draft SERs format is described in the SER Template User Guide Revision 1, 6/6/2008 located in Sharepoint under General SER Templates.

The contractor is responsible for structuring the draft SERs format to follow Federal and agency standards for publications. The current agency word processing standard is Microsoft Word. The contractor must use the latest agency-designated version of this agency standard. The word processing source file and electronic "print" file in Portable Document Format (PDF) should be automated, structured, and reusable (i.e., apply templates, contain automatic bookmarks, and have "live" Web links). The contractor must consider long-term use and revision when establishing styles. This will be evidenced by styles that are constructed for ease of use and that apply automated functions. The contractor must provide a style sheet itemizing the specifications for each style or tag applied in the word processing program. For example, the style sheet will note the name of the style, formatting details, and the specific functions of and use for each style.

At the completion of Task 12, submit the references for each Chapter of the SER and the Appendices per the attached list.

The contractor should acquire NRC network/ADAMS access and provide accessible, archival-quality, print-ready, Web-enabled DOC source files that meet Federal and agency requirements for publications. These source files are entered in ADAMS and on finalization by the COR will be converted by ADAMS into Web-enabled PDFs. The print version will be made from the electronic file. Alternatively, on an interim basis while the contractor is pursuing IT2 clearance, the contractor will provide accessible, archival-quality, print-ready, Web-enabled PDF and DOC source files that meet Federal and agency requirements for publications. The print and electronic copies must match (suggestion: print the paper copy from the PDF, which is generated from the MS Word DOC file).

Electronic files should be:

1. Accessible: comply with Section 508 of the Rehabilitation Act (check the accessibility); accessible to screen readers; high contrast in b&w if any color is used; any information conveyed with color is conveyed equally well when color is not available.
2. Archival: generate PDF using PDF/A format, an international standard for archival PDFs; embed fonts; update/delete metadata.
3. Print-ready: min. 600 dpi (1200 dpi recommended) for high-quality, professional printing; include print disclaimers for any scanned or pixelated images; the PDF should be an entire document, including cover, inside cover, title page, Form 335, etc. (see NUREG-1757).

The schedule for deliverables shall be contained in the approved project plan for the task order effort.

In all correspondence, include the following identifying information:

- JCN No. Q-4015
- Task Order No.3
- Applicant's name: Nuclear Innovation North America
- Site Name: STP 3 and 4
- TAC No.: RX0597

Reporting requirements are also specified in Section 3.

6.0 MEETINGS AND TRAVEL

1. One, one-person, one-day working meeting to kickoff project and contractor orientation.*
2. One, one-person, one-day working meeting at NRC headquarters to review deliverables.*

*At the discretion of the COR meeting may be conducted via telephone or video conference.

7.0 NRC FURNISHED MATERIAL

The following NRC furnished materials will be provided to the contractor together with SOW:

- a. CD-ROM containing COL Sections and the relevant Appendices from the COL application.

8.0 LEVEL OF EFFORT

The estimated level of effort in professional staff days apportioned among the tasks and by labor category is as follows:

Task(s)	Labor Category	Level of Effort FY-13 (hours)	Level of Effort FY-14 (hours)	Level of Effort FY-15 (hours)
9. Update Project Plan	Technical editor Document Specialist	40 40	20 20	20 20

Task(s)	Labor Category	Level of Effort FY-13 (hours)	Level of Effort FY-14 (hours)	Level of Effort FY-15 (hours)
10. Kickoff meeting	Technical editor Document Specialist	8 8	0 0	0 0
11. Phases 4 through 6 Technical Evaluation report of cross cutting requirements and support for Chapter Days.	Technical editor Document specialist Subject Matter Expert	40 40 40	40 40 15	40 20 10
12. Phase 4 through 6 (e.g., staff technical evaluations and conclusions, responses to requests for additional information, and applicant updates to the COL application) incorporated into corresponding templates, draft Final SER, edited, formatted and revised based on updated SER User Guide (electronic copy to be provided).	Technical editor Document specialist	300 500	150 300	120 60
13. Phase 4 -6 Appendices for FSER.	Technical editor Document specialist	100 100	40 40	40 0
Task 9 - 13	Project Manager	80	40	40
Total		1296	705	370

9.0 PERIOD OF PERFORMANCE

The projected period of performance is from February 4, 2013 thru June 30, 2015.

10.0. OTHER APPLICABLE INFORMATION

a. License Fee Recovery

All work under this task order is fee recoverable and must be charged to the appropriate TAC number(s).

b. Expected Classification or Sensitivity

All work under this project is expected to include unclassified, sensitive and/or safeguards information.

c. Assumptions and Understandings:

The level of effort for Task 11 is based on the assumption that there are 4 chapters left that could have an impact in this area and it will take, on the average, 70 hours of support per Chapter.

The level of effort for Task 12 is based on the estimated total page count (600) for the chapters yet to be completed.

The level of effort for Task 13 is based on the assumption that there will be approximately 20 chapters and it will take, on the average, 16 hours to develop necessary appendices and contents per Chapter.

Web-enabled (electronic): bookmarks for navigation (generated by MS Word with the heading styles applied); live links to Web sites (entire URL must be active); meet NRC Web publication standards; enabled for Fast Web view; match agency wide electronic standards (<http://www.nrc.gov/site-help/e-submittals.html>)

Specifically, the MS Word file should use:

1. Font: Arial Style: Regular Size: 11
2. Automated formatting (no manually tabbed columns)
3. Linked bookmarks or anchors for the table of contents or other document guides that jump to specific sections of the text.
4. Headers and other structural markup
5. Abbreviation list
6. List and link figures, equations, tables, etc.
7. Formatted tables with simple columns (do not nest tables, mark columns headers if possible)
8. Embedded fonts and objects
9. No embedded links to other documents or websites

Suggestions for file names:

1. Use ASCII letters (a-z, A-Z), digits (0-9), underscores and hyphens ("_" and "-").
2. Do not use spaces, quotation marks, diacritic marks or other special/non-printing characters.
3. Reserve the period (".", full stop) for the file extension at the end of the filename.

In addition to general document quality standards, the contractor should meet the standards in:

1. U.S. Government Printing Office (GPO) Style Manual
2. NUREG-0650, Rev. 2, "Preparing NUREG-series Publications"
3. NUREG-1379, "NRC Editorial Style Guide"
4. NUREG-0544, "NRC Collection of Abbreviations," Rev. 4 July 1998
5. www.plainlanguage.gov
6. Section 508 of the Rehabilitation Act

Attachments:

1. List of Appendices

Attachment 1

- A - References
- B - Acronyms
- C - Chronology of COL Application
- D - NRC/Applicant Correspondence, including the chronology of NRC RAI
- E - License conditions, commitments, and ITAAC
- F - List of Departures and affected Sections.