CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Tom Clements
Alliance for Nuclear Accountability
1112 Florence Street
Columbia, SC 29201

Dear Mr. Clements:


This letter constitutes our final response to your November 30, 2012 FOIA request. You asked for copies of the following:

1. All internal emails and attachments, memos, directives, communication or other documents exchanged amongst SRS staff and between SRS staff and any SRS contractors concerning the OMB decision that SRS halt utilizing Office of Environmental Management resources to investigate and promote small modular reactors at SRS. This includes documents related to amount of staff time and amount of spending on SMR promotion by SRS.

2. Any emails, emails and attachments, memos, directives, communication or other documents exchanged amongst SRS staff and between SRS staff and any SRS contractors concerning the future of the “Enterprise SRS” project after SRS was prohibited from using EM resources on SMR development and promotion.

3. Any emails, emails and attachments, memos, directives, communication or other documents exchanged amongst SRS staff and between SRS staff and any SRS contractors concerning withdrawal of “Enterprise SRS” promotional materials and website postings that list SMRs as a current part of “Enterprise SRS.”

4. All internal emails and attachments, memos, directives, communication or other documents exchanged amongst SRS staff and between SRS staff and any SRS contractors concerning the future of SMRs designs affiliated with SRS, SRNS or Savannah River National Lab to obtain a DOE subsidy as announced by DOE on November 20, 2012.

The documents identified on the enclosed Index List are the remaining documents responsive to your FOIA request. Since Document 018 does not contain any confidential business information, I have lined through the “Confidential – Not for Public Release” marking.

Since Department of Energy DOE Headquarters (DOE-HQ) originated Document 009, we are transferring this document to DOE-HQ for a release determination and direct response to you. If you have any questions regarding the documents, please contact Mr. Alexander Morris, FOIA Officer, DOE Headquarters, 1000 Independence Avenue, SW, Washington, DC, 20505. You may also contact Mr. Morris at (202) 586-5955.
National Nuclear Security Administration (NNSA) Savannah River Site Office originated Documents 003, 004, 005, 015, and 016. Therefore, we are transferring these documents to NNSA Service Center for release determination and direct response to you. If you have any questions regarding the documents, please contact the FOIA Officer, NNSA/Office of General Counsel, PO Box 5400, Albuquerque, NM 87185-5400. The phone number is 866-757-5994.

The OMB [Office of Management and Budget] Circular No. A-11 (2013), Section 22 – Communication with the Congress and the Public and Clearance Requirements, specifically, Section 22.5 Information available to the public, states “Agency budget documents that are subject to the Freedom of Information Act (FOIA) may be exempt from mandatory release pursuant to 5. U.S.C. § 552(b)(5).” Accordingly, the DOE-SR is withholding in its entirety Documents 006, 008, 017, 019, and 021 pursuant to Exemption 5.

Exemption 5 of the FOIA exempts from mandatory disclosure documents that are “inter-agency or intra-agency memorandums or letters, which would not be available by law to a party other than an agency in litigation with the agency.” 5 U.S.C. § 552(b)(5); 10 CFR 1004.10(b)(5). Exemption 5 permits the Government to withhold information that reflects advisory opinions, comments, assessments, recommendations, and deliberations comprising part of the process by which Government decisions and policies are formulated. See NLRB v. Sears, Roebuck and Co., 421 U.S. 132 149 (1974) 421 U.S. 132, 149. In order to protect information by this privilege, generally referred to as the “deliberative process privilege,” a record must be both predecisional, i.e., generated before the adoption of policy, and deliberative, i.e., reflecting the give-and-take of the consultative process. See Coastal States Gas Corp. v. Dep’t of Energy, 617 F.2d 854, 866 (D.C. Cir. 1980) (“Coastal States”).

The deliberative process privilege permits the Government “[t]o the extent the predecisional materials, even if ‘factual’ in form, reflect an agency’s preliminary positions or ruminations about how to exercise discretion on some policy matter, they are protected under Exemption 5.” See Petroleum Info. Corp. v. Dep’t of Interior, 976 F.2d 1429, 1435 (D.C. Cir. 1992). The deliberative process privilege protects certain types of information, including “recommendations, draft documents, proposals, suggestions and other subjective documents which reflect the personal opinions of the writer rather than the policy of the agency.” See Coastal States, 617 F.2d at 866. The deliberative process privilege also assures that Savannah River Site (SRS) employees will provide decision makers with their “uninhibited opinions” without fear that later disclosure may bring criticism.

Further, the privilege “protect[s] against premature disclosure of proposed policies before they have been finally formulated or adopted” to avoid “misleading the public by dissemination of documents suggesting reasons and rationales … which were not in fact the ultimate reasons for the agency’s action.” Id. (citation omitted).

Documents 006, 008, 017, 019, and 021 contain predecisional budget related cost obligations from OMB regarding cost allowability which is inextricably intertwined with the Government’s determinations regarding the SMR program. The documents being withheld contain predecisional budget justifications and budget-related oversight materials; written responses to congressional inquiries; materials responding to committee and subcommittee reporting requirements; reprogramming requests; related cost information; financial management documents addressing budget; and other budgetary related documents. In addition, the withheld documents contain predecisional budgetary documents reflecting the advisory opinions, recommendations, proposals, and suggestions about proposed budget for the Savannah River Site
(SRS). Further, the withheld information under the deliberative process privilege of Exemption 5 is predecisional and contains material that reflects SRS' deliberative process. Finally, the predecisional budgetary documents were generated in the course of agency decision making process. Therefore, release of the withheld documents would reveal the substance of preliminary and tentative recommendations/opinions thereby compromising the deliberative process. In addition, the release of the withheld information could inhibit honest opinions, recommendations, and deliberations by the SRS personnel in the future.

The FOIA requires that “any reasonably segregable portion of a record shall be provided to any person requesting such record after deletion of the portions which are exempt under this subsection.” 5 U.S.C. § 552(b). Although the withheld Documents 006, 008, 017, 019, and 021 may contain some factual material, such documents are not “reasonably segregable” but, rather, inextricably intertwined with deliberative material, such that release of the factual material would compromise the budgetary process for the SRS and the deliberative process involved.

Moreover, while there may be a public interest in the disclosure of the withheld information, DOE-SR has determined that such public interest is outweighed by the potential chilling effect disclosure would have upon SRS’ ongoing decision-making process. The disclosure of the withheld information would cause foreseeable harm for SRS personnel to make frank, honest, and open recommendations concerning similar matters in the future. Disclosure could stifle the free exchange of ideas and opinions, which could affect the efficiency and quality of decision-making, which is essential to the sound functioning of DOE programs. Therefore, DOE-SR has determined that disclosure of the information withheld from Documents 006, 008, 017, 019, and 021 is not in the public interest.

If you wish to challenge the information withheld, a written appeal, along with our response letter, must be submitted within 30 calendar days after receipt of this letter denying in part and granting in part the requested information. Written appeals must be submitted to the Director, Office of Hearings and Appeals, Department of Energy, 1000 Independence Avenue, SW, L’Enfant Plaza Building, Washington, DC 20585, pursuant to 10 CFR § 1004.8, which sets forth the required elements of such appeals. Thereafter, judicial review will be available within the district, in which a requester resides or has a principal place of business, or in the place in which the records are situated, or in the District of Columbia.

As Chief Counsel, SR, I am the authorizing and denying official for the documents responsive to your request. If you have any questions, please contact Ms. Pauline Conner at (803) 952-8134. The facsimile number for this office is (803) 952-8271.

Sincerely,

Lucy M. Knowles
Authorizing Official

Enclosure
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*5 Information being withheld pursuant to Exemption 5 of the FOIA, 5 U.S.C. § 552(b)(5)
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*5 Information being withheld pursuant to Exemption 5 of the FOIA, 5 U.S.C. § 552(b)(5)
{In Archive} Re: SMR Incurred Costs Fw: SRS CX SYS: Voice msg from CLEVINGER, LLOYD, D7547.

Scott Langston to Lloyd Clevinger, Peggy Davis

CC: Charlene Smith, Craig Armstrong, Harold Nielsen, John Temple, Lloyd Clevinger, Peggy Davis, Doug Hintze

09/26/2012 01:13 PM

Lloyd,

Confirming our conversation, all SRNS costs (to include direct, indirect, and other direct costs) incurred in association with SMR support services and other SMR events are to be moved off of the M&O contract and placed into a suspense account pending my further review. This direction to move costs is to be completed by the close of business today.

This message does not serve as a notice to disallow costs per FAR 42.801

Scott Langston
Contacting Officer

Scott Langston Lloyd, Can you meet with us at 2:00 today to dis... 09/26/2012 12:07:25 PM

From: Scott Langston/DOE/Srs
To: Lloyd Clevinger/SRNS/Srs@srs.gov, John Temple/SRNS/Srs@srs.gov, Peggy Davis/SRNS/Srs@srs.gov
CC: Charlene Smith/DOE/Srs@srs.gov, Harold Nielsen/DOE/Srs@srs.gov, Craig Armstrong/DOE/Srs@srs.gov
Date: 09/26/2012 12:07 PM
Subject: SMR Incurred Costs Fw: SRS CX SYS: Voice msg from CLEVINGER, LLOYD, D7547.

Lloyd,

Can you meet with us at 2:00 today to discuss the subject costs.

Scott

----- Forwarded by Scott Langston/DOE/Srs on 09/26/2012 12:04 PM -----

From: noreply.callexpress@srs.gov
To: Scott.Langston@srs.gov
Date: 09/25/2012 08:10 AM
Subject: SRS CX SYS: Voice msg from CLEVINGER, LLOYD, D7547.

Please call YOUR VOICEMAIL SYSTEM to listen to your messages over the telephone and to delete this messages from your phone.
SRO-2013-00252-F
Responsive Document 002
Scott - the purpose of this email is to confirm that SRNS has taken this directed action. We await your further direction on this matter.

Scott Langston
Lloyd, Confirming our conversation, all SRNS c...

Scott, Lloyd/DOE/SRs
Lloyd Clevinger/SRs/Srs@Srs, Peggy Davis/SRs/Srs@Srs, Charlene Smith/DOE/SRs/Srs@Srs, Craig Armstrong/DOE/SRs/Srs@Srs, Harold Nielsen/DOE/SRs/Srs@Srs, John Temple/SRs/Srs@Srs, Lloyd Clevinger/SRs/Srs@Srs, Peggy Davis/SRs/Srs@Srs, Doug Hintze/DOE/SRs/Srs
09/26/2012 01:13 PM
Re: SMR Incurred Costs  Fw: SRS CX SYS: Voice msg from CLEVINGER, LLOYD, D7547.

Lloyd,

Confirming our conversation, all SRNS costs (to include direct, indirect, and other direct costs) incurred in association with SMR support services and other SMR events are to be moved off of the M&O contract and placed into a suspense account pending my further review. This direction to move costs is to be completed by the close of business today.

This message does not serve as a notice to disallow costs per FAR 42.801

Scott Langston
Contacting Officer

Scott, Lloyd

Scott Langston
Lloyd, Can you meet with us at 2:00 today to dis...

Scott Langston/DOE/SRs
Lloyd Clevinger/SRs/Srs@Srs, John Temple/SRs/Srs@Srs, Peggy Davis/SRs/Srs@Srs, Charlene Smith/DOE/SRs/Srs@Srs, Harold Nielsen/DOE/SRs/Srs@Srs, Craig Armstrong/DOE/SRs/Srs
09/26/2012 12:07 PM
SMR Incurred Costs  Fw: SRS CX SYS: Voice msg from CLEVINGER, LLOYD, D7547.

Lloyd,

Can you meet with us at 2:00 today to discuss the subject costs.

Scott
Please call YOUR VOICEMAIL SYSTEM to listen to your messages over the telephone and to delete this message from your phone.
SRO-2013-00252-F
Responsive Document 007
Fw: Small Modular Reactor (SMR) Costs
John Temple, Lloyd Clevinger, Francis Iwuc,
Debra Dayani to Kathryn Davis, Allan Young, Raymond
Trimble, Ralph Kay

10/10/2012 05:12 PM

FYI
----- Forwarded by Debra Dayani/SRNS/Srs on 10/10/2012 05:11 PM -----

From: Debra Dayani/SRNS/Srs  
To: Harold Nielsen/DOE/Srs@SRS,  
Cc: Peggy Davis/SRNS/Srs@Srs  
Date: 10/09/2012 03:58 PM  
Subject: Small Modular Reactor (SMR) Costs

Kriss,

Earlier today you requested that we identify and explain those SMR costs which were not charged into our G&A pool. As you know, we moved $746,523.13 to suspense in late September 2012. All of this cost was moved from the G&A pool with the exception of $7,696.80 which was moved from SRNL's Business Unit Overhead pool. Although SRNS was collecting support for SMR in G&A, when directed to move these costs to suspense, we searched across the contract to identify all costs. Therefore, when this was identified, it was also moved to suspense. If you have further questions or would like to discuss, please let me know. Thanks.

Debi
2-7584
SRO-2013-00252-F
Responsive Document 010
And there will be another award/opportunity. Just learned that from a HQ colleague. Can't make this stuff up.

Sent from my iPhone

On Nov 20, 2012, at 5:46 PM, "Ronald Schroder" <Ronald.Schroder@srs.gov> wrote:

This is unbelievable. Never in all of my years seen anything like this. We were on 3 of 4 teams going after 2 awards. We were certain to be on at least 1 winning team then they only give 1 award. Obviously our intel is not very good. This scenario never came up in any discussions.

Thanks,
Ron Schroder
Director, Nuclear Programs
Savannah River National Laboratory
803-952-6527 (o)
803-645-6154 (c)

On Nov 20, 2012, at 4:23 PM, "Helen Belencan" <helen.belencan@srs.gov> wrote:

The official announcement -
----- Forwarded by Helen Belencan/DOE/Srs on 11/20/2012 04:22 PM -----

From: James-R Giusti/DOE/Srs
To: 
Date: 11/20/2012 03:37 PM
Subject: Energy Department Announces New Investment in US Small Modular Reactor Design and Commercialization

FYI
----- Forwarded by James-R Giusti/DOE/Srs on 11/20/2012 03:34 PM -----

From: "DOE News" <dcenews@hq.doe.gov>
Date: 11/20/2012 02:48 PM
THE DEPARTMENT OF ENERGY
Office of Public Affairs

News Media Contact: (202) 586-4940
For Immediate Release: Tuesday, November 20, 2012

Energy Department Announces New Investment in U.S. Small Modular Reactor Design and Commercialization

Department to Issue Follow-on Solicitation on SMR Technology Innovation

WASHINGTON. As part of the Obama Administration's all-of-the-above strategy to deploy every available source of American energy, the Energy Department today announced an award to support a new project to design, license and help commercialize small modular reactors (SMR) in the United States. This award follows a funding opportunity announcement in March 2012. The project supported by the award will be led by Babcock & Wilcox (B&W) in partnership with the Tennessee Valley Authority and Bechtel International. In addition, the Department announced plans to issue a follow-on solicitation open to other companies and manufacturers, focused on furthering small modular reactor efficiency, operations and design.

The Obama Administration continues to believe that low-carbon nuclear energy has an important role to play in America's energy future, said Secretary Chu. Restarting the nation's nuclear industry and advancing small modular reactor technologies will
help create new jobs and export opportunities for American workers and businesses, and ensure we continue to take an all–of–the–above approach to American energy production.

This project represents a significant investment in first–of–a–kind engineering, design certification and licensing for small modular reactors in the United States. Through a five–year cost–share agreement, the Energy Department will invest up to half of the total project cost, with the project’s industry partners matching this investment by at least one–to–one. The specific total will be negotiated between the Energy Department and Babcock & Wilcox (B&W).

The Energy Department investment will help B&W obtain Nuclear Regulatory Commission licensing and achieve commercial operations by 2022, helping to provide U.S. utilities with low carbon energy options as well as create important export opportunities for the United States and advance our nation’s competitive edge in this emerging global industry. The project will be based in Tennessee and will support additional suppliers and operations in Indiana, Maryland, North Carolina, Ohio, Pennsylvania, and Virginia.

Small modular reactors – which are approximately one–third the size of current nuclear power plants – have compact, scalable designs that are expected to offer a host of safety, construction and economic benefits. Small modular reactors can also be made in factories and transported to sites where they would be ready to plug and play upon arrival, reducing both capital costs and construction times. The smaller size also makes these reactors ideal for small electric grids and for locations that cannot support large reactors, offering utilities the flexibility to scale production as demand changes.

As this nascent industry continues to grow, the Energy Department is committed to supporting research and development that will advance efficient, safe and cost–effective small modular reactor technologies. The Department plans to issue a new
funding opportunity announcement to address this goal and support continued design development and certification of innovative SMR technologies.

Find more information on the important steps the Department is taking to jumpstart America's nuclear industry at www.energy.gov/nuclear.

###

If you would rather not receive future communications from U.S. Department of Energy, let us know by clicking here.
U.S. Department of Energy, 1000 Independence Ave. SW, Washington, DC 20585 United States
Re: Fwd: DOE Announces First Round FOA Winner, Plans for Round Two

Helen Belencan
to: Ronald Schroder
Cc: "Rick McLeod"

11/21/2012 10:47 AM

There is nothing stopping SRNL from participating as an FFRDC,. It was the amount of money that was spent that is still the unresolved issue.

Helen Belencan,
Senior Advisor
Department of Energy, Savannah River Site
phone: 803.952.8696
cell: 803.646.1197
email: helen.belencan@srs.gov

Being the change that I want to see.

Ronald Schroder
From: Ronald Schroder/ SRNS/Srs
To: "Helen Belencan" <helen.belencan@srs.gov>, "Rick McLeod" <rick.mcleod@srsro.org>
Date: 11/21/2012 08:21 AM
Subject: Fwd: DOE Announces First Round FOA Winner, Plans for Round Two

11/21/2012 08:21:56 AM

Here is the note sent from NuScale. I spoke with Mike yesterday. I fear with our issue with the OMB and being on 3 losing teams, we will have a difficult time being on any team for the next round.

Thanks,
Ron Schroder
Director, Nuclear Programs
Savannah River National Laboratory
803-952-6527 (o)
803-645-6154 (c)

Begin forwarded message:

From: "Mike McGough" <MMcGough@nuscalepower.com>
Date: November 20, 2012, 3:23:11 PM EST
To: "Mike McGough" <MMcGough@nuscalepower.com>
Subject: DOE Announces First Round FOA Winner, Plans for Round Two

Dear Friends, Advisory Board Members and NuScale Supporters,

Please excuse the relative informality of this e-mail but I wanted to get this to you immediately, even before I have the chance to speak directly to each of you.

The U.S. Department of Energy today informed NuScale Power LLC, that it will grant one award for its small modular reactor (SMR) commercialization program at this time. It plans a second round Funding Opportunity Announcement (FOA) in the near future.

DOE will award the funds under the current FOA to Babcock & Wilcox for its mPower design. No more than one-half of the $452 million funds available under this program will be released to B&W under the current FOA with the remainder expected to be allocated in the subsequent award under the program. The criteria for the second award will be innovation, safety, reliability and manufacturability.

While NuScale is disappointed in DOE’s decision, it does not change our plans or our commitment to bring NuScale’s technology to commercialization. We believe the innovation and safety of NuScale’s technology combined with the reliability that comes with the simplicity of the design and our ability to manufacture in the United States strongly position NuScale for success with the second award.

NuScale Power’s application for the first round of cost-share funding received broad support from elected officials and potential customers across the country. NuScale wishes to thank Oregon Governor John Kitzhaber and the entire Oregon congressional delegation for their support as well as the many customers and other government officials who expressed their support for NuScale’s proposal. In particular we wish to thank governors Christine Gregoire (WA), Terry Brandstad (IA), Nikki Haley (SC) and Dave Heineman (NB) for their support.

NuScale began its effort five years ago, well before there was any discussion of Federal support. Our commitment to bring our technology to the global market remains unchanged.

As we work to continue our technology development efforts and prepare our response to the second round of the DOE program, we will be in contact with each of you to further discuss how our revolutionary reactor technology may be in position to support your future needs for safe, clean, scalable nuclear generation.

I look forward to talking to you soon. Thanks again for your help and support of NuScale Power.

Best Regards

Mike
Holtec's version.

Thanks,
Ron Schroder
Director, Nuclear Programs
Savannah River National Laboratory
803-952-6527 (o)
803-645-6154 (c)

Begin forwarded message:

From: "Holtec International" <holtec@holtecinternational.com>
Date: November 21, 2012, 2:42:24 PM EST
To: Ronald.schroder@srs.gov
Subject: U.S. Department of Energy Makes a Partial Award for Small Modular Reactor Development; More Awards Will Follow

U.S. Department of Energy Makes a Partial Award for Small Modular Reactor Development; More Awards Will Follow

Printable Version

We respect the Department of Energy's (DOE) decision to make only one award at this time from four applications it received in May of this year for the Small Modular Reactor (SMR) Funding Opportunity Announcement (FOA). We applaud the DOE's decision to seek additional FOA awardees in another round of solicitation which is consistent with the Department's role to serve
as a catalyst and not a pre-selector of the best technology. Holtec International is hopeful that the Company will merit an award in the second round of DOE's solicitation on the strength of our reactor's unrivaled safety features, cost competitiveness, innovative security features, and operational reliability.

Holtec's Director of the SMR-160 development program, Dr. William S. Woodward stated, "The deferral of the DOE award will have no adverse impact on our SMR-160 program. We will continue our careful and deliberate technology development effort which befits a program that aims to produce a 21st Century nuclear technology that is unassailably safe and inherently green. Our business and intellectual commitment to the SMR-160 program remain as firm as ever."

The SMR-160 is Holtec International's flagship small modular reactor engineered to produce 160 MW of electrical energy (click here for attached brochure). We are most grateful to Holtec's council of distinguished cadre of experts drawn from the various sectors of the nuclear industry, which serves to advise and critique the details of our SMR-160 design and safety evaluations as they are completed. The council's role in improving our reactor design has been invaluable. In addition to the Savannah River Site where the DOE has graciously agreed to host (possibly) the first SMR-160, discussions are also underway with a leading nuclear utility to co-locate one or more SMR-160 reactors at an existing plant site.
SMR-160 Shown with 100% Dry Cooling Option

Unsubscribe from this Newsletter

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For more information, please contact:
Joy Russell - Vice President, Corporate Business Development
(856) 797-0900, Ext. 3655
j.russell@holtec.com
http://www.holtecinternational.com
Unsubscribe from this Newsletter
Westinghouse version.

Thanks,
Ron Schroder
Director, Nuclear Programs
Savannah River National Laboratory
803-952-6527 (o)
803-645-6154 (c)

Begin forwarded message:

From: "Rickman, Robin A." <rickmara@westinghouse.com>
Date: November 21, 2012, 10:20:11 AM EST
To: "Adam Hefflin" <ahefflin@ameren.com>, "Barry Hart" <bhart@amec.org>, "Bob Bromley" <bbromley@empiredistrict.com>, "Cara Hoover" <Cara.Hoover@kcpl.com>, "Chuck Caisley" <Chuck.Caisley@kcpl.com>, "Duane Highley" <duane.highley@aecc.com>, "Gene Grecheck" <eugene_grecheck@dom.com>, "Glenn Neises" <gneises@burnsmcd.com>, "Greg Halnon" <ghalnon@firstenergycorp.com>, "Jason Eichenberger" <jeichenberger@burnsmcd.com>, "Jim Rocha" <rjrocha@tecoenergy.com>, "JT Trembley" <Joshua.trembley@exeloncorp.com>, "Kincheloe, Vern" <lkinch@cvalley.net>, "Kincheloe, Duncan" <dkincheloe@mpua.org>, "Klindt, David" <dklindt@amec.org>, "Marilyn Kray" <marilyn.kray@exeloncorp.com>, "McMullin, Craig" <craig.mcmullin@srs.gov>, "Noblet, Kevin" <Kevin.Noblet@kcpl.com>, "Pat Cryderman" <wcryderman@ameren.com>, "Ron Schroder" <Ronald.Schroder@srs.gov>, "Sandra Byrd" <sbyrda@aecc.com>, "Scott Bond" <sbond2@ameren.com>, "Scott Cochran" <scochran@aecl.org>, "Scott Heidtbrink" <Scott.Heidtbrink@kcpl.com>, "Warren Wood" <WWood2@ameren.com>, "Wilmot, Ken" <kwilmot@aecl.org>
Cc: "Tavrides, Emily L" <tavridel@westinghouse.com>, "Godfrey, Michael R." <godfremr@westinghouse.com>, "Goosse, John E." <goosseje@westinghouse.com>, "Jackson, Kathryn J." <jacksokj@westinghouse.com>, "Marx, Kate" <
Subject: DOE NE SMR Funding Opportunity Announcement

John Goossen and Adam Heflin, Co-Chairs of the NexStart SMR Alliance send the following message:

The U.S. Department of Energy Office of Nuclear Energy announced yesterday that the Babcock & Wilcox mPower SMR design, was selected in the first phase of its small modular reactor (SMR) funding opportunity program to negotiate an agreement for a share of its investment funding. Westinghouse has confirmed its interest in applying for the Department’s announced plans to issue a follow-on solicitation open to other companies and manufacturers, focused on furthering small modular reactor efficiency, operations and designs. We remain dedicated to our small modular reactor design and will continue to work toward future DOE funding with our Combined Operating License (COL) partner Ameren Missouri. Ameren Missouri continues their commitment to Westinghouse, the Westinghouse SMR technology and to applying for a COL for an SMR at its Callaway site in Missouri.

The deployment of a commercial Westinghouse SMR by 2022 remains central to our shared business strategy to provide emissions-free, economic energy options in 225MW increments and in doing so, create tens of thousands of jobs for Americans and the economic impacts of a robust global export industry. We appreciate the efforts and dedication of all NexStart members to the Westinghouse SMR program and look forward to continuing to work with you executing the NexStart activities we discussed in our last meeting to make the Westinghouse SMR a reality and to deploy the first SMR in the world.

Sincerely,

Robin A. Rickman
NexStart SMR Alliance Director

Westinghouse Electric Company
Research & Technology
1000 Westinghouse Drive
Cranberry Township, PA 16066 USA
Office: (412) 374-3058
Mobile: (412) 862-6544

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FYI,

Chris Gadomski, (Bloomberg Energy) called to ask how we were fairing after the OMB finding. Told him we could move forward but needed to find money that wasn't EM.

He thinks we might get some seed money from Canada. They are making a lot of money up there now - that is until natural gas prices go back up.

He attached a talk he gave on nuclear, FYI. He may stop by on his way to visit is daughter in Charleston.

Also gave him Rick McLeod's number.

Thanks,

Steve Sheetz
Clean Energy Directorate - Nuclear Programs
Program Manager
Savannah River National Laboratory
803-952-6386

----- Forwarded by Stephen Sheetz/SRNL/Srs on 11/28/2012 04:05 PM -----

From:   "Chris Gadomski (BLOOMBERG / BNEF)" <cgadomski2@bloomberg.net>
To:     steve.sheetz@srnl.doe.gov
Date:   11/27/2012 03:39 PM
Subject: Re: SMRs

Steve-here is the Alberta Oil Sands presentation. As someone close to the nuclear industry, you are familiar with a lot of subject matter. The oil sands people are looking to diversify their risk by looking at electric and thermal energy sources that are not tied to natural gas. Although, there are huge natural gas reserves in the region, exporting LNG to the Pacific Rim could create pricing pressure which would squeeze margins. Hence an interest in SMRs.

Please let me know how Bloomberg could contribute to your success. I will be in SC sometime second week of December and could stop by if Savannah RIver thought it might be productive to do so.

---------------------------------------------------------------------
Chris Gadomski
Lead Analyst
Bloomberg New Energy Finance
O: +1 415 617 7224
M: +1 917 355 0355
cgadomski2@bloomberg.net
Nothing contained in this e-mail constitutes or shall be construed as an offering of financial instruments or as investment advice or recommendations of an investment strategy or whether or not to "buy", "sell", or "hold" an investment.
SRO-2013-00252-F
Responsive Document 018
David Eyler  
SRNS Senior VP and SRNL Deputy Director  
(803) 725-3427 (o)  
(803) 507-4858 (c)  
Sent from my iPad  

Begin forwarded message:

From: "Ronald Schroder" <Ronald.Schroder@srs.gov>  
Date: August 6, 2012, 3:13:08 PM EDT  
To: "Thomas Sanders" <Thomas.Sanders@srnl.doe.gov>, "Stephen Sheetz" <steve.sheetz@srnl.doe.gov>, "David Eyler" <David.Eyler@srnl.doe.gov>, "John Temple" <John.Temple@srs.gov>  
Subject: SMR Conference  

I have been asked by DOE to give a brief description of the linkage between our SMR Pursuit and our Site Missions. This is to help with the SMR Conference issue. Below is the my version of a description. Please provide comments before I send it to John Temple for transmittal to DOE.

The Small Modular Reactor (SMR) Pursuit, as part of Enterprise SRS, is related to the SRNL missions in 2 significant areas.

1. SRNL has large quantities of nuclear material that currently do not have a disposition path. SMRs can be used an alternative disposition pathway by using those nuclear materials in the SMR to generate power.

2. SRNL has held discussions with NNSA concerning tritium production. The NNSA has expressed a desire to bring the tritium production mission back to SRS if SRNL is successful in building a SMR on its site.

3. An additional benefit of building a SMR at SRS is a carbon-free energy source that would help DOE-EM meet its federal mandates for clean energy.

Thanks,

Ron

Ron Schroder
SMR Program Manager
Savannah River National Laboratory
803-952-6527 (office)
803-645-6154 (cell)
Westinghouse Electric Company and Ameren Missouri Small Modular Reactor (SMR) Supplier Summit 2012

What? A Supplier Summit that provides the opportunity for your Missouri business to establish a relationship with the Westinghouse and Ameren Missouri partnership and learn about:
- Plans for development of a Small Modular Reactor industry headquartered in Missouri
- Requirements and expectations for becoming a supplier to this new nuclear industry
- Missouri state funding opportunities for manufacturers and service companies

Who? Missouri business and industry representatives interested in meeting with Westinghouse and Ameren Missouri leaders

When? Welcome Reception: October 29, 2012: 6:00 p.m. to 8:00 p.m.
Supplier Summit: October 30, 2012: 7:30 a.m. to 5:00 p.m.

Where? Renaissance St. Louis Grand Hotel - Marriott
800 Washington Avenue
St. Louis, MO 63101

To register for the event click here.
Password is: SMRSummit2012
<table>
<thead>
<tr>
<th>Time</th>
<th>Agenda Item</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00</td>
<td>Continental Breakfast</td>
<td></td>
</tr>
<tr>
<td>8:30</td>
<td>Welcome – Co-Chair Remarks</td>
<td>John Goossen &amp; Adam Heflin</td>
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<tr>
<td></td>
<td>(Updates and news from the perspectives of the Co-Chairs)</td>
<td>NexStart Co-Chairs</td>
</tr>
<tr>
<td>8:45</td>
<td>Agenda Overview &amp; SMR Program Progress</td>
<td>Robin Rickman</td>
</tr>
<tr>
<td></td>
<td>(Agenda review, status of the overall program, outstanding NexStart action items from prior meetings, FOA status, etc.)</td>
<td>NexStart Director</td>
</tr>
<tr>
<td>9:00</td>
<td>W-SMR Design and Licensing Status</td>
<td>Ryan Blinn</td>
</tr>
<tr>
<td></td>
<td>(Progress status and overview of the upcoming Nuclear Island Technical Review)</td>
<td>Westinghouse SMR Design Team</td>
</tr>
<tr>
<td>9:30</td>
<td>NEI SMR Working Group</td>
<td>Adam Heflin</td>
</tr>
<tr>
<td></td>
<td>(Update on the latest &amp; current work of the SMR WG)</td>
<td>SMR Working Group Chair</td>
</tr>
<tr>
<td>9:45</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>10:00</td>
<td>Infrastructure Sub-Committee Report</td>
<td>Robin Rickman</td>
</tr>
<tr>
<td></td>
<td>(Review of all NexStart policies, procedures, and other infrastructure items completed by the sub-committee)</td>
<td>Sub-Committee Leader</td>
</tr>
<tr>
<td>11:00</td>
<td>DOE Cost-sharing Contribution Requirements</td>
<td>Robin Rickman</td>
</tr>
<tr>
<td></td>
<td>(Overview of what will be required, legal relationships; required documentation, etc.)</td>
<td>NexStart Director</td>
</tr>
<tr>
<td>11:30</td>
<td>Plant Economics Sub-Committee Introduction</td>
<td>John Goossen &amp; Adam Heflin</td>
</tr>
<tr>
<td></td>
<td>(Overview of this new sub-committee, why one is needed, desired participation, etc.)</td>
<td>NexStart Co-Chairs</td>
</tr>
<tr>
<td>12:00</td>
<td>Lunch</td>
<td></td>
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<tr>
<td>1:00</td>
<td>Economic &amp; Employment Impacts of SMRs</td>
<td>Dr. Geoffrey Black</td>
</tr>
<tr>
<td></td>
<td>(First hand overview of the Energy Policy Institute &amp; Center for Advanced Energy Studies SMR study from one of the principal investigators)</td>
<td>Associate Professor, Department Chair Economics, Boise State University</td>
</tr>
<tr>
<td>2:30</td>
<td>Break</td>
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<tr>
<td>2:45</td>
<td>Plant Economics Sub-Committee Chartering</td>
<td>Robin Rickman</td>
</tr>
<tr>
<td></td>
<td>(Develop purpose, objectives, outputs needed, inputs needed, identify participants, schedule, &amp; deliverables)</td>
<td>NexStart Director</td>
</tr>
<tr>
<td>3:45</td>
<td>Meeting Critique &amp; Action Item Assignments</td>
<td>John Goossen &amp; Adam Heflin</td>
</tr>
<tr>
<td>4:00</td>
<td>Adjourn</td>
<td></td>
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<tr>
<td>5:30</td>
<td>Social &amp; Dinner – Location TBD</td>
<td></td>
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<tr>
<td></td>
<td>(Social starts at 5:30, Dinner at 6:30)</td>
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</tbody>
</table>
ADDENDUM #8 TO THE NEXSTART SMR ALLIANCE
MEMORANDUM OF UNDERSTANDING

THIS ADDENDUM #8 dated May 15, 2012 (the “Addendum”), is entered into by and between Westinghouse Electric Company LLC, a Delaware limited liability company (“Westinghouse”) and Savannah River Nuclear Solutions, LLC, a South Carolina limited liability company, having a place of business at Savannah River Site (SRS), Aiken, South Carolina 29808 (“SRNS”) as an addendum to the Memorandum of Understanding executed by and among Westinghouse and various nuclear owners, operators and enterprise investors dated May 7, 2012 (the “MOU”). For defined terms used in this Addendum which are not defined herein, such defined terms shall have the meanings specified in the MOU.

WHEREAS, Westinghouse has entered into the MOU with various other Parties for the purpose of forming a UPG known as the NexStart SMR Alliance to cooperatively implement a strategy leading to Design Certification for the Westinghouse SMR, the Issuance of a COL to Ameren for a Westinghouse SMR on the Callaway site, and potential deployment of the Westinghouse SMR by 2022;

WHEREAS, SRNS is the Managing and Operating Contractor of SRS under Contract DE-AC09-08SR22470 for the Department of Energy;

WHEREAS, SRNS, via the UPG, desires to join the UPG in accordance with the terms and conditions set forth in the MOU and cooperatively support Westinghouse in the preparation of the Proposal based on the Westinghouse SMR in response to the Solicitation;

WHEREAS, pursuant to Section 1.7 of the MOU, Westinghouse, by entering into this Addendum, is adding SRNS as a new member to the NexStart SMR Alliance, which is otherwise defined as the UPG in the MOU.

NOW, THEREFORE, Westinghouse and SRNS hereby agree as follows:

(1) SRNS shall become a Party to the MOU and receive all the rights and assume all the obligations as set forth in the MOU.

(2) By becoming a Party to the MOU, SRNS shall join the UPG, otherwise known as the NexStart SMR Alliance, pursuant to the terms and conditions set forth in the MOU.

IN WITNESS THEREOF, this Addendum has been executed by authorized representatives of Westinghouse and SRNS as of the date first written above.

By: [Signature]
Name: John W. Temple
Title: Director, Contracts
Savannah River Nuclear Solutions, LLC

Address for notices:
Savannah River Nuclear Solutions, LLC
Building 707-25B, Room 4
Aiken, SC 29808
Attention: Craig W. McMullin
Email: craig.mcMullin@srs.gov
Telephone: (803) 952-6737
Cell: (803) 646-8955

By: [Signature]
Name: John Goossen
Title: Vice President
Innovation & SMR Development
Westinghouse Electric Company LLC

Address for notices:
Westinghouse Electric Company LLC
Research & Technology
600 Cranberry Woods Drive, Suite 678
Cranberry Township, PA 16066
E-Mail: goossenj@westinghouse.com
Telephone: (724) 940-8300
Cell: (412) 260-1899
Begin forwarded message:

From: "Ronald Schroder" <Ronald.Schroder@srs.gov>
Date: August 6, 2012, 3:13:08 PM EDT
To: "Thomas Sanders" <Thomas.Sanders@srnl.doe.gov>, "Stephen Sheetz" <steve.sheetz@srnl.doe.gov>, "David Eyler" <David.Eyler@srnl.doe.gov>, "John Temple" <John.Temple@srs.gov>
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3. An additional benefit of building a SMR at SRS is a carbon-free energy source that would help DOE-EM meet its federal mandates for clean energy.

Thanks,

Ron

Ron Schroder
SMR Program Manager
Savannah River National Laboratory
803-952-6527 (office)
803-645-6154 (cell)
FY12 SMR Pursuit Team Activities

During FY12, the Savannah River Site established a SMR Pursuit Team as one of the crucial elements of Enterprise SRS. The following describes the value proposition, scope, and cost of the FY12 pursuit.

Value Proposition

- Establish a SMR project(s) at SRS for:
  - NATION: Leverage DOE-SRS assets, infrastructure, and services to reduce first of a kind SMR costs to benefit development, demonstration and deployment of US SMR technology to achieve US energy, security, and economic objectives
  - DOE-EM: Convert excess nuclear material into assets by using them to fuel SMRs; achieve Asset Revitalization objectives
  - NNSA: Produce tritium in SMR at SRS; Re-establish SRS as the tritium production lead for the nation; provide disposition path for NNSA fuel returns
  - DOE-NE: Support participants in SMR Funding Opportunity Announcement and provide fuel for advanced reactors
  - E-SRS: Establish a long term mission for SRS by providing SMRs as a key component of SRS nuclear fuel cycle capabilities, and meet Executive Order 13451 for greenhouse gas reduction
  - SRNL: Re-establishes infrastructure, personnel, and programs in nuclear energy
  - Community: Industrial, technological, economic, and jobs growth

Scope

- Nuclear Material Disposition Plans
  - Performed inventory analysis of excess nuclear materials at SRS and other DOE facilities to determine available feed for reactor fuel fabrication
  - Developed concept paper for establishing a Fuel Bank for Advanced Reactors
  - Worked with reactor vendors looking at possible uses of the un-irradiated FFTF fuel stored at K Area

- Tritium Production Plans
  - Produced document “Tritium Production in Small Modular Reactors” for NNSA
  - Met with NNSA management at SRS and HQ to discuss tritium production program

- Siting Activities
  - Worked with SMR partners to conduct preliminary site selection studies for SMR project at SRS. Created maps from GIS database showing sitewide scoring and potential sites based on the requirements of each SMR design.
  - Conducted site tours for SMR companies and utilities showing potential sites and general site infrastructure.

- Regulatory Activities
  - Developed a SMR NRC Licensing Strategy for reactor projects at SRS
- Interfaced between State and Federal permitting activities to ensure consistency and adherence to legally binding agreements (consent orders and Federal Facility Agreement, Records of decisions)
- Researched existing NRC actions on the Savannah River Site or other federally controlled sites for alignment with existing NEPA actions (e.g., MOX, Energy Northwest, etc.)
- Performed comparative analysis of current data configuration control practices (EPA, SCDHEC and DOE mandated) and NRC requirements
- Evaluated current Emergency Preparedness Operation practices and NRC orders being issued as a result of the 3/11/2011 nuclear incident in Japan
- Subject Matter expert reviews of current operational activities (program plans, permits, and procedures) to increase operational flexibility to support various nuclear missions
- Evaluation of regulatory framework necessary to align generation of new waste streams from new operations to align with existing laws, regulations and agreements in place
- Project management of three subcontracts ($34k):
  - Independent contractor performing 'gap analysis' at the "DOE Order" level to NRC regulations for the purpose of providing input to the DOE HQ Asset Revitalization Initiative
  - Technical support in assist SRNL in data gathering, evaluation, compilation, etc. to be used as supporting information document preparation and submittal to the Nuclear Regulatory Commission (NRC) by various applicants
  - Development of a Natural Capital Asset Management structure through which the EM funds invested in the cleanup of the historical mission are appropriately reflected as converting the 'liability of the EM mission' as satisfied and in fact are booked on the 'asset side of the EM ledger' due to the positive contributions to reducing pollution the state and region. This enables the SRS to remain a viable location and entity to perform other federal missions essential to national security and energy security

- Business Case Development
  - Developed draft land lease for tract at SRS
  - Developed business case for providing nuclear material feed from L Basin through H Canyon for SMR fuel fabrication
  - Produced a pre-conceptual design for a SMR Component Test and Training Facility
  - Interfaced with US Army Corps of Engineers and Fort Gordon concerning transmitting power to Fort Gordon from a SMR at SRS. This concept was to assist Fort Gordon in meeting the same Executive Order 13514.
  - Hosted summer intern from US Army – West Point to develop feasibility study for a secure transmission line from SRS to Fort Gordon

- Partnership Development
  - Signed Memorandum of Agreements with 4 reactor companies
  - Gen4 Energy
  - Holtec International
- NuScale Power
- Westinghouse Electric
  - Conducted meetings and signed Non-Disclosure Agreements with several other reactor companies exploring opportunities for partnership
  - Engaged with numerous community organizations concerning SMR projects at SRS
  - SRNL participated as member of the Fast Reactor Consortium

**Costs**

- Labor (scope described above)
  - $943.1 K
- Subcontracts (support regulatory activities – see above)
  - $34.5 K
- Travel
  - $64.5 K
- Materials (basic supplies)
  - $4.1 K
- Conference Sponsorships
  - Nuclear Energy Insider SMR Conference Columbia, SC
    - $25 K
  - American Nuclear Society
    - $2.5 K
- Total
  - $1,074 K