

**U.S. NUCLEAR REGULATORY COMMISSION
NOTICE OF GRANT/ASSISTANCE AWARD**

1. GRANT/AGREEMENT NO. NRC-HQ-11-G-38-0068		2. MODIFICATION NO.		3. PERIOD OF PERFORMANCE FROM: 8/22/2011 TO: 8/31/2013		4. AUTHORITY Pursuant to Section 31b and 141b of the Atomic Energy Act of 1954, as amended	
5. TYPE OF AWARD <input checked="" type="checkbox"/> GRANT <input type="checkbox"/> COOPERATIVE AGREEMENT		6. ORGANIZATION TYPE Private Institution of Higher ED DUNS: 074934233 NAICS:611310		7. RECIPIENT NAME, ADDRESS, and EMAIL ADDRESS The College of Southern Maryland 8730 Mitchell Road La Plata, MD 20646-2867			
8. PROJECT TITLE: "Nuclear Engineering Technology Program Development (Electrical and Mechanical Pathways)"							
9. PROJECT WILL BE CONDUCTED PER GOVERNMENT'S/RECIPIENT'S PROPOSAL(S) DATED See Program Description AND APPENDIX A-PROJECT GRANT PROVISIONS		10. TECHNICAL REPORTS ARE REQUIRED <input checked="" type="checkbox"/> PROGRESS AND FINAL <input type="checkbox"/> FINAL ONLY <input type="checkbox"/> OTHER (Conference Proceedings)		11. PRINCIPAL INVESTIGATOR(S) NAME, ADDRESS and EMAIL ADDRESS The College of Southern Maryland Attn: Mr. Robert Gates 8730 Mitchell Road La Plata, MD 20646-0910 Email: RobertG.csmd.edu (2240) 725-5473			
12. NRC PROGRAM OFFICE (NAME and ADDRESS) NRC Attn: Tanya Parwani-Jaimes Office of Human Resources MS: GW5A06 (301) 492-2308 11545 Rockville Pike Rockville, Maryland 20852 Email: Tanya.Parwani-Jaimes@NRC.GOV		13. ACCOUNTING and APPROPRIATION DATA APPN. NO: 31X0200 B&R NO: 2011-84-51-K-134 JOB CODE: T8453 BOC NO: 4110 OFFICE ID NO: RFPA: HR-11-255 FAIMIS 620040		14. METHOD OF PAYMENT <input type="checkbox"/> ADVANCE BY TREASURY CHECK <input type="checkbox"/> REIMBURSEMENT BY TREASURY CHECK <input type="checkbox"/> LETTER OF CREDIT <input checked="" type="checkbox"/> OTHER (SPECIFY) Electronic ASAP.gov (See Remarks in Item #20 "Payment Information")			
15. NRC OBLIGATION FUNDS THIS ACTION <u>\$128,183.00</u> PREVIOUS OBLIGATION <u>\$ 00.0</u> TOTAL <u>\$128,183.00</u>		16. TOTAL FUNDING AGREEMENT NRC <u>\$128,183.00</u> RECIPIENT <u>\$ 0.00</u> TOTAL <u>\$128,183.00</u> This action provides funds for Fiscal Year in the amount of See Page Two					
17. NRC ISSUING OFFICE (NAME, ADDRESS and EMAIL ADDRESS) U.S. Nuclear Regulatory Commission Div. of Contracts Attn: Shashi Malhotra Email: Shashi.Malhotra@NRC.GOV Mail Stop: TWB-01-B10M Rockville MD 20852							
18. Signature Not Required				19. NRC CONTRACTING OFFICER <u>Sheila Bumpass</u> <u>8/22/11</u> (Signature) (Date) NAME (TYPED) <u>Sheila Bumpass</u> TITLE <u>Contracting Officer</u> TELEPHONE NO. <u>301-492-3484</u>			
20. PAYMENT INFORMATION Payment will be made through the Automated Standard Application for Payment (ASAP.gov) unless the recipient has failed to comply with the program objectives, award conditions, Federal reporting requirements or other conditions specified in 2 CFR 215 (OMB Circular A110).							
21. Attached is a copy of the "NRC General Provisions for Grants and Cooperative Agreements Awarded to Non-Government Recipients. Acceptance of these terms and conditions is acknowledged when Federal funds are used on this project.							
22. ORDER OF PRECEDENCE In the event of a conflict between the recipient's proposal and this award, the terms of the Award shall prevail.							
23. By this award, the Recipient certifies that payment of any audit-related debt will not reduce the level of performance of any Federal Program.							

TEMPLATE - ADM001

SUNSI REVIEW COMPLETE

ADM002

ATTACHMENT A - SCHEDULE

A.1 PURPOSE OF GRANT

The purpose of this Grant is to provide support to the "Nuclear Engineering Technology Program Development (Electrical and Mechanical Pathways)" with The College of Southern Maryland, as described in Attachment B entitled "Program Description."

A.2 PERIOD OF GRANT

1. The effective date of this Grant is August 22, 2011. The estimated completion date of this Grant is August 21, 2013.

2. Funds obligated hereunder are available for program expenditures for the estimated period: August 22, 2011 – August 31, 2013.

A. GENERAL

- | | |
|--------------------------------|---|
| 1. Total Estimated NRC Amount: | \$128,183 |
| 2. Total Obligated Amount: | \$128,183 |
| 3. Cost-Sharing Amount: | \$0 |
| 4. Activity Title: | "Nuclear Engineering Technology Program Development (Electrical and Mechanical Pathways)" |
| 5. NRC Project Officer: | Tanya Parwani-Jaimes |
| 6. DUNS No.: | 074934233 |

B. SPECIFIC

- | | |
|-------------------|------------------|
| RFPA No.: | HR-11-255 |
| FAIMIS: | GR0040 |
| Job Code: | T8453 |
| BOC: | 4110 |
| B&R Number: | 2011-84-51-K-134 |
| Appropriation #: | 31X0200 |
| Amount Obligated: | \$128,183 |

A.3 BUDGET

Revisions to the budget shall be made in accordance with Revision of Grant Budget in accordance with 2 CFR 215.25.

	Year 1	Year 2
Direct Participant Cost	\$ 88,728.00	\$39,455.00
Indirect Cost (F & A)	\$ n/a	\$ n/a
Yearly Total	\$88,728.00	\$39,455.00

A.4 AMOUNT OF AWARD AND PAYMENT PROCEDURES

1. The total estimated amount of this Award is \$128,183.00 for the two-year period.
2. NRC hereby obligates the amount of \$128,183 for program expenditures during the period set forth above and in support of the Budget above. This grant program is fully funded. NRC is not obligated to reimburse the Grantee for the expenditure of amounts in excess of the total obligated amount.
3. Payment shall be made to the Grantee in accordance with procedures set forth in the Automated Standard Application For Payments (ASAP) Procedures set forth below.

Attachment B – Program Description

PROGRAM DESCRIPTION

PROJECT DESCRIPTION

The College of Southern Maryland (CSM) is a mid-sized, comprehensive regional community college with three campus locations and multiple sites. A thriving, progressive, and technologically advanced college, CSM offers more than 150 programs of study to over 23,000 credit and continuing education students. As a regionally-accredited institution that prides itself on delivering high quality educational services, it also serves as a catalyst for business, industry and government to identify the resources needed to grow and maintain a healthy economy and community.

According to the Nuclear Energy Institute (NEI), there are 104 existing nuclear operations across the country, and the Nuclear Regulatory Commission is examining applications for 26 new nuclear units. UniStar Nuclear Energy, a joint venture of Constellation Energy and the EDF Group submitted an application to add one unit to its Calvert Cliffs two existing reactors in Calvert County, Maryland. NEI estimates that each new unit will require 400-700 new workers. However, the companies engaged in providing energy resources are confronting a four-pronged crisis: (1) an aging infrastructure; (2) critical shortage of skilled craft workers to build, maintain, and operate that infrastructure; (3) inadequate pipeline of workers from the education continuum; and (4) the graying of the "baby boomers."

A local industry partner, Constellation Energy Nuclear Group, LLC (CENG), initiated discussions with CSM about the need for strategic solutions to the region's energy workforce problems. Fall 2008 the College of Southern Maryland was selected by NEI to participate in a Nuclear Uniform Curriculum Pilot (NUCP) Program. Seven consortia made up of twelve community colleges with their industry partners participated. The overall charge was to develop a uniform curriculum guide to define the educational requirements for associate degree programs and to manage a strategic deployment of programs on a regional basis. This group utilized information to transition programs to the standard or establish new programs. CSM was one of a few pilot members with no prior nuclear education training program. The College continues to be an active member of the NEI partnership.

Since the pilot program was initiated, CSM worked the last year in developing a Nuclear Engineering Technology (NET) associate degree with a concentration or pathway in instrumentation and control which has been approved by the Maryland Higher Education Commission as a statewide program. Classes are scheduled to begin fall 2010 with the first graduates projected for summer 2012. To create a permanent home to the program, the

college has began the design of a new building at its Calvert County campus that will provide more than 5,000 square foot space for the NET program. This building will be completed in Fall 2012. In Fall 2010, with the start of the Instrumentation and Control program, the college has leased a building to temporarily house the program until the new building is completed. There are currently 25 students who have declared the NET program as their major. This number is expected to increase to 50 over the next year with the development of two new program pathways.

The next phase of the NET program is to develop the electrical and mechanical pathways. According to NEI and based on their industry-wide assessment of the workforce needs, these two areas represent upcoming workforce employment needs for the mid-Atlantic region. These new pathways will include lecture, laboratory, and internship experiences. The ultimate goal of the curriculum development is to educate and train students in those issues having the potential to greatly affect the future expansion of the nuclear energy initiatives: environmental impact, public safety, and nuclear security.

Project Plan: The College of Southern Maryland's (CSM) Nuclear Education Curricula Development Grant is designed to coalesce partner resources, technical expertise, and diverse initiatives into a regional approach to address local workforce needs in the nuclear energy industry. The two-year grant program will serve students in the Nuclear Engineering Technology (NET) associate degree program (electrical and mechanical pathways) beginning fall 2011.

The Associate of Applied Science Nuclear Engineering Technology: Electrical and Mechanical pathways will have both an instructional and an industrial focus. The instructional focus of the program will result in the accredited Associate of Applied Science degree integrating the education and training required for graduates to maintain and repair highly complex electrical/electronic equipment required for a nuclear plant (for the electrical pathway) and to perform preventive, corrective and special maintenance on systems, components and structural facilities to ensure the reliability of a nuclear power plant (for the mechanical pathway). These two programs will follow the NEI Nuclear Uniform Curriculum Program.

There are many start-up and training costs associated with full development and implementation of the two new pathways. Funding from the NRC Nuclear Education Curricula Development Grant will enable the College to work with NEI, CENG, and Dominion to further develop the NUCP curriculum to meet the workforce needs of the region, develop course content; purchase and equip electrical and mechanical labs for hands-on-instruction; provide professional development to faculty and staff; enhance student services and activities; and promote the new programs.

Listed below are the primary objectives for the proposed project.

Goal: To train students to meet the employment needs of the Southern Maryland region's nuclear energy industry.

1. Develop and adapt Nuclear Energy Institute (NEI) Nuclear Uniform Curriculum Project (NUCP) curriculum to meet the workforce needs of the region.
2. Develop course curriculum for the Nuclear Engineering Technology (NET) program's electrical and mechanical pathways.
3. Coordinate NET course curriculum and implementation with NEI NUCP.
4. Enhance NET student services.
5. Equip a training facility to meet the needs for the NET program.
6. Develop a marketing plan to recruit students and promote the NET program.

7. Share and distribute course curriculum and lessons learned to other colleges/universities.

Objective 1-Develop and adapt Nuclear Energy Institute (NEI) Nuclear Uniform Curriculum Project (NUCP) curriculum to meet the workforce needs of the region.

CSM will consult with the region industry partners, including CENG and Dominion, in the further development and implementation of the NUCP curriculum. The NUCP curriculum is based on industry-wide common set of competencies. Each college who is adapting the curriculum is expected to make minor modifications and adjustments that are based on the local plant designs, local workforce needs, and in-house training capacity and capability of the local plants. To this end, the college will collaborate with CENG and Dominion to complete the NEI Gap Analysis to make sure the curriculum to be implemented at CSM meets their needs. CSM will also work with the industry to form the Curriculum Challenge Team, as required by NEI. This team will certify to NEI and Institute for Nuclear Power Operations (INPO) that CSM's curriculum met the industry standards. This team will also provide continuous oversight over the programs.

Objective 2-Develop course curriculum for the Nuclear Engineering Technology (NET) program's electrical and mechanical pathways.

CSM will lead a team of Subject Matter Experts (SMEs) from industry and representatives from education for guidance. This team of SMEs will develop curriculum for the new pathways (electrical and mechanical) using the National Academy for Nuclear Training document, Uniform Curriculum Guide for Nuclear Power Plant Technician, Maintenance, and Nonlicensed Operators Associate Degree program, ACAD 08-006. The work will begin under the leadership of the Principal Investigator who is also the Coordinator for the Industrial Studies department within the Business and Technology Division. A series of three two-day meetings will occur during year one of the grant period resulting in new courses being developed. We anticipate developing thirteen new courses based on the grouping of course contents based on the NUCP guidelines and gap analysis. These courses would cover the following thirteen subject areas:

- Operational Amplifiers and Introduction to Communications
- Computer Logic and Programmable Logic Controllers
- Microcontrollers
- Motors, Generators and Industrial Electrical Systems
- Discrete Control Systems
- Welding Processes and Lifting and Rigging Fundamentals
- Pneumatics and Hydraulics
- Pumps, Valves and Their Applications
- Thermodynamics and Heat Exchangers
- Measurement Theory
- Boiler, Reactor and Turbine Principles
- Process Control
- Cooperative Education I – Nuclear Engineering Technology

Adjunct faculty with content knowledge to teach new course will be recruited. CSM will provide professional development to help them become excellent teachers.

The NET program includes a summer internship. This requirement allows students to learn more about their chosen field, apply academic learning to hands-on situations, get an edge in the job market, and transition into employment. Robert Gates, project Principal Investigator, is responsible for interaction with the employment community and scheduling internships.

Objective 3- Coordinate NET course curriculum and implementation with the Nuclear Energy Institute (NEI) Nuclear Uniform Curriculum Project (NUCP).

CSM will continue to actively participate in the NUCP. This will include bi-monthly conference calls, updating the toolkit (curriculum, course content, lessons learned, equipment list, best practices, etc.), and attending group meetings and the annual NUCP Summit. Participation with NUCP benefits CSM by providing a working relationship with NEI which gives access to content matter experts and other available resources. This also allows an opportunity of working with a large group of college and industry professionals which results in the pooling of resources to develop programs.

Objective 4-Enhance NET student services.

NET students will be provided several support services and activities to augment their learning experiences. A 20-hour orientation session will be conducted for incoming students. This experience will include team-building activities, a reception with advisors and faculty, field trips, career exploration, guest speakers and other activities to prepare them for rigorous postsecondary education experiences and careers.

The majority of the NET program will be held in Prince Frederick, in Calvert County which is close in proximity to one of the program's partners, Constellation Energy Nuclear Group. Given the tri-county dispersal of CSM learning sites (Calvert, Charles and St. Mary's counties) students will have the option of registering for general education courses closer to home. Also each campus has the capability to offer flexibility through distance learning and online instruction. Support services will be available to NET students through five key strategies:

Financial Assistance: At most community colleges, the majority of students attend part-time because they must work to afford college. Students who are financially qualified per Federal financial aid criteria could potentially be awarded funding to cover tuition, fees, textbooks and other auxiliary costs with Pell grants.

Tutoring and Academic Support: Group and online tutoring services are available free of charge to students on all campuses, with schedules posted on the college's web site. Supplemental instruction helps students develop the reasoning and study skills required for success in college-level courses.

Mentoring and Advising: Students will have access to mentors both on campus and in the employment community. Both the PI and faculty are expected to serve as mentors, advocates and advisors for program participants. The PI will coordinate outreach to members of the employment community to identify professionals who are willing to guide students through college and into employment. CSM has also entered into an agreement with MentorNet, which can provide an online mentoring component for students. The mentors may be able to help students in areas of technology, study skills, and academic planning.

Monitoring Student Success: CSM's academic monitoring system empowers faculty to identify students who need academic support, and refer them to the Student Success Center for tutoring or other help. The PI will be a gatekeeper to monitor grades.

Objective 5-Equip a training facility to meet the needs for the NET program.

An important part of instructional training involves hands-on, laboratory experience. Students will practice skills in a controlled risk-free environment allowing application of knowledge, increased confidence, and refinement of competencies. The majority of the NET program will

be held in Prince Frederick, in Calvert County which is close in proximity to one of the program's industry partners, Constellation Energy Nuclear Group. Initially, the NET program will be housed approximately two years in a temporary location in Calvert County. CSM is in the process of expanding the Prince Frederick Campus located in Calvert County. The new facility is scheduled to open in Fall 2012. A portion of the new space is specifically dedicated and designed for use by the NET program. Funds are requested during year one of the grant for equipment associated with the training program. Items will be purchased and installed at the training facility. A detailed list is available in the Budget Narrative. Also it is anticipated that some of the instructional lab materials will be single-use items while others will be replaced due to breakage and/or normal wear.

Objective 6-Develop a marketing plan to recruit students and promote the NET program.

CSM is fully engaged in its communities and schools, making additional recruitment and marketing strategies easily achievable. The College Enrollment Management Team uses traditional recruitment activities such as college fairs, visits to high school classrooms, academic advisement, open houses, Kids College, Teens College, career fairs, and the CSM website to attract students from the three public school systems. Admissions advisors travel to private schools for presentations to groups of juniors and seniors; for home-schooled students, they sponsor *Try College for a Day*. Early access programs such as Gifted and Talented, Early Admissions, Dual Enrollment, and Tech Prep already bring academically strong students to CSM, and will serve as recruitment vehicles for NET students.

In addition, the College hosts events which promote Science, Technology, Engineering, and Mathematics (STEM) fields. Examples include *Youth in Technology Summit*, a one day event that brings more than 1,000 area middle and high school students to explore various careers in technology fields; *Technology Day*, which brings 150 students to campus for technology-related activities; *Women in Math*, a Saturday event for secondary students, parents and communities; *Women in Technology*, a Saturday event for middle school students and families; a regional high school science fair hosted by CSM, and an annual Robotics competition for primary and secondary school students. These events constitute other opportunities to promote the NET program.

CSM will notify all K-12 education partners, college faculty and student service professionals, regional employers, and other constituencies about the NET program. Staff in the college's Community Relations and the Marketing Department will publicize the program via local media outlets and newspapers. Tremendous effort will be focused on bringing more underrepresented minorities-females, African-Americans, a growing Hispanic population-into the NET program. The Marketing Department will develop and distribute promotion materials in response to a comprehensive plan for outreach.

Objective 7-Share and distribute course curriculum and lessons learned to other colleges/universities.

Information about the program and outcomes will be disseminated via the Internet on the CSM web page, to the employment community and presented at professional workshops/conferences within the mid-Atlantic region. CSM will also share this information through NEI NUCP contacts. In addition, a consultant will be hired to develop a NET micro-site which includes designing a template, providing all written content and loading content into the site. A micro-site is a landing page for an academic program which allows readers to get in-depth information about the program. Instead of wading through several layers to find program information, persons will

have quick, direct access through search engine optimization. The web sites will provide direct links to contacts who will respond to inquiries about the project.

Implementation Plan:

Objective 1-Develop and adapt Nuclear Energy Institute (NEI) Nuclear Uniform Curriculum Project (NUCP) curriculum to meet the workforce needs of the region.

Sub-objective	Activities	Timeline
1.1 Curriculum Development and Validation with Local Employers	a. Validate NUCP curriculum against local needs	Quarter 1
	b. Modify or expand the curriculum as necessary	Quarter 1-2
	c. Complete Gap Analysis	Quarter 3
	d. Form the Curriculum Challenge Team	Quarter 4

Objective 2. Develop course curriculum for the Nuclear Engineering Technology (NET) program's electrical and mechanical pathways.

Sub-objective	Activities	Timeline
2.1 Course development	a. Convene a team of SMEs from industry and education to give input in creating learning modules, lesson plans, exams, assignments, class projects and textbook selection	Quarter 1-five courses Quarter 2-four courses Quarter 3-four courses
	b. Course development complete	Quarter 2-five course Quarter 3-four courses Quarter 4-four courses
	c. Recruit and hire skilled adjunct faculty to implement the program	Quarters 1-8
	d. Provide professional development for faculty and staff	Ongoing

Objective 3. Coordinate NET course curriculum and implementation with the Nuclear Energy Institute (NEI) Nuclear Uniform Curriculum Project (NUCP).

Sub-objective	Activities	Timeline
3.1 NEI coordination and implementation of course curriculum	a. Participate in bi-monthly conference calls	Ongoing
	b. Updating toolkit	Ongoing
	c. Attend NUCP annual summit and CEWD meetings	Ongoing

Objective 4. Enhance NET student services

Sub-objective	Activities	Timeline
4.1 Student services and activities	a. Conduct 20-hour orientation session	Quarter 2,5

	b. Schedule field trip	Quarters 3, 7
	c. Provide mentoring services	Ongoing

Objective 5. Equip a training facility to meet the needs for the NET program.

Sub-objective	Activities	Timeline
5.1 Equip facility	a. Make necessary changes to instructional/lab facility	Quarter 1 – 2
	b. Confirm equipment list against courses and place order	Quarters 3
	c. Install equipment in training facility	Quarters 4 - 5
	d. Receive training from vendor on equipment	Quarters 4 – 5

Objective 6. Develop a marketing plan to recruit students and promote the NET program.

Sub-objective	Activities	Timeline
6.1 Marketing and promotion	a. Establish a comprehensive plan	Quarter 1
	b. Develop and distribute marketing materials	Quarters 1-8
	c. Conduct program information sessions for prospective students	Ongoing

Objective 7. Share and distribute course curriculum and lessons learned to other colleges/universities.

Sub-objective	Activities	Timeline
7.1 Share and distribute NET program information	a. Place program information on college web page	Quarters 1-4
	b. Develop and publish micro-site	Quarters 5,6
	c. Share program curriculum at conferences	Quarters 7,8
	d. Share program curriculum through NEI NUCP	Quarters 2-8

Other

NRC reporting requirements	a. Financial reporting	Quarterly
	b. Performance reporting	Semi-annually
	c. Final Performance Progress	

	Report and Federal Financial Report	90 days after award period expires
--	-------------------------------------	------------------------------------

Management Plan: CSM will serve as project administrator and fiscal agent for the grant, a function it has served for federal grants with the Departments of Labor, Health and Human Services, and Education, as well as with the Environmental Protection Agency, National Science Foundation, General Services Administration, Nuclear Regulatory Commission and other agencies.

The project Principal Investigator (PI) will be Robert Gates, Interim Chair of the Business and Technology Division, who has over ten years of experience in higher education. Mr. Gates will provide leadership and be responsible for all administrative duties and program oversight, to include organizing curriculum and course development meetings; implementing changes to curriculum as recommended by panel of SMEs; coordinating a mentoring program; interactions with the employment community to schedule internships; monitoring student progress; tracking outcomes; managing the budget; coordinating outreach in concert with the Enrollment Management Team; and preparing required reporting to the Nuclear Regulatory Commission. Robert will devote approximately 10% of his time with project start-up and oversight. Dr. Debra Tervala, Vice President of Academic Affairs, will supervise the PI.

A Project Management Team will be formed to provide oversight of all program activities to ensure the PI has the necessary resources and support for successful implementation of the program. Members of this team will include representatives from financial aid, enrollment management, student success center, college faculty, public schools and industry. This team will meet on a quarterly basis.

Evaluation Plan: The PI will use the outcomes below to evaluate the program's success.

Project Objectives	Performance Indicators
1. Develop and adapt NEI NUCP curriculum to meet the workforce needs of the region	By the end of the two year grant period, 1.1 NEI will certify CSM's programs 1.2 local employers will certify CSM's programs as meeting their needs.
2. Develop curriculum for the Nuclear Engineering Technology (NET) program's electrical and mechanical pathways.	By the end of the two year grant period, 2.1 thirteen NET courses will be fully developed.
3. Coordinate NET course curriculum and implementation with the Nuclear Energy Institute Uniform Curriculum Project.	By the end of the two year grant period, 3.1 comply with NEI NUCP reporting and guidelines
4. Enhance NET student services	By the end of the two year grant period, 4.1 provide students with one-to-one mentoring 4.2 schedule at least one field trip to a

	nuclear energy facility 4.3 conduct a 20-hour orientation session for incoming freshman
5. Equip a training facility to meet the needs for the NET program.	By the end of the two year grant period, 5.1 training equipment will be purchased and installed in a teaching facility.
6. Develop a marketing plan to recruit students and promote the NET program.	By the end of the two year grant period, 6.1 marketing and promotion materials will be created targeted for all audiences.
7. Share and distribute course curriculum and lessons learned to other colleges/universities.	By the end of the two year grant period, 7.1 a plan will be in place to distribute program materials and best practices.

Overall, the Evaluation Plan is designed to provide information that can be readily used to improve the delivery of services to NET students. The CSM office of Planning, Institutional Effectiveness and Research (PIER) collects and analyzes data for the college and accrediting agencies annually. PIER will design quantitative and qualitative tools to collect data sets on year one and future cohort groups. These tools will contain both formative and summative measures to provide input toward continuous project improvement. Data includes tracking and monitoring the progress of students enrolled in NET.

Sample questions to be answered in the evaluation process follows.

1. Curriculum and course Development

- Do CSM's programs meet the NEI standards?
- What program changes are necessary to meet local employer needs?
- How many courses were fully developed?
- What is the faculty evaluation of the practical application of the products resulting from course development (e.g. learning modules, lesson plans, exams, class projects, assignments, and textbook selection)
- What equipment is needed to complete the training lab?

2. Recruitment

- How effective was the recruiting process – what worked and what did not work?
- How many students enrolled in the two pathways of the NET program addressed under this grant?
- How many students from underrepresented groups enrolled in the program?

3. Retention/Completion

- How many students enrolled in the first cohort were retained each semester and each year?
- Are additional support services needed?
- What retention activities were most effective?

4. Employment Placement

- What were the results of the internship experiences?
- How has the NET program prepared students for the workplace?
- How many NET students entered the workplace?

Sustainability: The NRC Nuclear Education Curricula Development Grant will fund start-up and training costs associated with full development and implementation of the two new pathways. Funding from the NRC Nuclear Education Curricula Development Grant will enable the College to work with NEI, CENG and Dominion to develop curriculum to meet the workforce needs of the region; develop course content; purchase and equip electrical and mechanical labs for hands-on-instruction; provide professional development to faculty and staff; enhance student services and activities; and program promotion. The Project Management Team quarterly meetings will continue to keep industry and education informed, engaged, and active in ensuring quality instruction for NET students. A Program Advisory Council will also be formed to help over the program. This council will consist of industry representatives and will primarily be charged to help the college ensure that the NET program continues to be relevant and up-to-date with the industry practices.

Long-term sustainability represents a continued commitment from the employment and education communities. In order to become a full partner in preparing a skilled workforce for the region, CSM needs to resolve the challenge of continued scholarship opportunities and the use of a permanent training facility. Federal financial aid (e.g. Pell Grant) will continue to be an option for qualified applicants. The PI will work closely with the CSM Foundation to conduct fund raising opportunities for future scholarships, as well as seeking additional industry contributions. Initially, the NET program will be housed in a temporary location in Calvert County. In response to anticipated growth in the NET program, CSM is investing in the design and construction of a building to be added at the Prince Frederick campus to permanently house the program. The new facility is scheduled to open around 2012.

Attachment C – Standard Terms and Conditions

The Nuclear Regulatory Commission's Standard Terms and Conditions for U.S. Nongovernmental Grantees

Preface

This award is based on the application submitted to, and as approved by, the Nuclear Regulatory Commission (NRC) under the authorization 42 USC 2051(b) pursuant to section 31b and 141b of the Atomic Energy Act of 1954, as amended, and is subject to the terms and conditions incorporated either directly or by reference in the following:

- Grant program legislation and program regulation cited in this Notice of Grant Award.
- Restrictions on the expenditure of Federal funds in appropriation acts, to the extent those restrictions are pertinent to the award.
- Code of Federal Regulations/Regulatory Requirements - 2 CFR 215 Uniform Administrative Requirements For Grants And Agreements With Institutions Of Higher Education, Hospitals, And Other Non-Profit Organizations (OMB Circulars), as applicable.

To assist with finding additional guidance for selected items of cost as required in 2 CRF 220, 2

CFR 225, and 2 CFR 230 this URL to the Office of Management and Budget Cost Circulars is included for reference to:

A-21 (now 2 CFR 220)

A-87 (now 2 CFR 225)

A-122 (now 2 CFR 230)

A-102:

http://www.whitehouse.gov/omb/circulars_index-ffm

Any inconsistency or conflict in terms and conditions specified in the award will be resolved according to the following order of precedence: public laws, regulations, applicable notices published in the Federal Register, Executive Orders (EOs), Office of Management and Budget (OMB) Circulars, the Nuclear Regulatory Commission's (NRC) Mandatory Standard Provisions, special award conditions, and standard award conditions.

Certifications and Representations: These terms incorporate the certifications and representations required by statute, executive order, or regulation that were submitted with the SF424B application through Grants.gov.

I. Mandatory General Requirements

The order of these requirements does not make one requirement more important than any other requirement.

1. Applicability of 2 CFR Part 215

a. All provisions of 2 CFR Part 215 and all Standard Provisions attached to this grant/cooperative agreement are applicable to the Grantee and to sub-recipients which meet the definition of "Grantee" in Part 215, unless a section specifically excludes a sub-recipient from coverage. The Grantee and any sub-recipients must, in addition to the assurances made as part of the application, comply and require each of its sub-awardees employed in the completion of the project to comply with Subpart C of 2 CFR 215 and include this term in lower-tier (subaward) covered transactions.

b. Grantees must comply with monitoring procedures and audit requirements in accordance with OMB Circular A-133. <

http://www.whitehouse.gov/omb/circulars/a133_compliance/08/08toc.aspx >

2. Award Package

§ 215.41 Grantee responsibilities

The Grantee is obligated to conduct such project oversight as may be appropriate, to manage the funds with prudence, and to comply with the provisions outlined in 2 CFR 215.41. Within this framework, the Principal Investigator (PI) named on the award face page, Block 11, is responsible for the scientific or technical direction of the project and for preparation of the project performance reports. This award is funded on a cost reimbursement basis not to exceed the amount awarded as indicated on the face page, Block 16., and is subject to a refund of unexpended funds to NRC.

The standards contained in this section do not relieve the Grantee of the contractual responsibilities arising under its contract(s). The Grantee is the responsible authority, without recourse to the NRC, regarding the settlement and satisfaction of all contractual and

administrative issues arising out of procurements entered into in support of an award or other agreement. This includes disputes, claims, protests of award, source evaluation or other matters of a contractual nature. Matters concerning violation of statute are to be referred to such Federal, State or local authority as may have proper jurisdiction.

Subgrants

Appendix A to Part 215—Contract Provisions

Sub-recipients, sub-awardees, and contractors have no relationship with NRC under the terms of this grant/cooperative agreement. All required NRC approvals must be directed through the Grantee to NRC. See 2 CFR 215 and 215.41.

Nondiscrimination

(This provision is applicable when work under the grant/cooperative agreement is performed in the U.S. or when employees are recruited in the U.S.)

No U.S. citizen or legal resident shall be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity funded by this award on the basis of race, color, national origin, age, religion, handicap, or sex. The Grantee agrees to comply with the non-discrimination requirements below:

Title VI of the Civil Rights Act of 1964 (42 USC §§ 2000d et seq)

Title IX of the Education Amendments of 1972 (20 USC §§ 1681 et seq)

Section 504 of the Rehabilitation Act of 1973, as amended (29 USC § 794)

The Age Discrimination Act of 1975, as amended (42 USC §§ 6101 et seq)

The Americans with Disabilities Act of 1990 (42 USC §§ 12101 et seq)

Parts II and III of EO 11246 as amended by EO 11375 and 12086.

EO 13166, "Improving Access to Services for Persons with Limited English Proficiency."

Any other applicable non-discrimination law(s).

Generally, Title VI of the Civil Rights Act of 1964, 42 USC § 2000e et seq, provides that it shall be an unlawful employment practice for an employer to discharge any individual or otherwise to discriminate against an individual with respect to compensation, terms, conditions, or privileges of employment because of such individual's race, color, religion, sex, or national origin. However, Title VI, 42 USC § 2000e-1(a), expressly exempts from the prohibition against discrimination on the basis of religion, a religious corporation, association, educational institution, or society with respect to the employment of individuals of a particular religion to perform work connected with the carrying on by such corporation, association, educational institution, or society of its activities.

Modifications/Prior Approval

NRC's prior written approval may be required before a Grantee makes certain budget modifications or undertakes particular activities. If NRC approval is required for changes in the grant or cooperative agreement, it must be requested of, and obtained from, the NRC Grants Officer in advance of the change or obligation of funds. All requests for NRC prior approval should be made, in writing (which includes submission by e-mail), to the designated Grants Specialist and Program Office no later than 30 days before the proposed change. The request must be signed by both the PI and the authorized organizational official. Failure to obtain prior approval, when required, from the NRC Grants Officer may result in the disallowance of costs, or other enforcement action within NRC's authority.

Lobbying Restrictions

The Grantee will comply, as applicable, with provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.

The Grantee shall comply with provisions of 31 USC § 1352. This provision generally prohibits the use of Federal funds for lobbying in the Executive or Legislative Branches of the Federal Government in connection with the award, and requires disclosure of the use of non-Federal funds for lobbying.

The Grantee receiving in excess of \$100,000 in Federal funding shall submit a completed Standard Form (SF) LLL, "Disclosure of Lobbying Activities," regarding the use of non-Federal funds for lobbying within 30 days following the end of the calendar quarter in which there occurs any event that requires disclosure or that materially affects the accuracy of the information contained in any disclosure form previously filed. The Grantee must submit the SF-LLL, including those received from sub-recipients, contractors, and subcontractors, to the Grants Officer.

§ 215.13 Debarment And Suspension.

The Grantee agrees to notify the Grants Officer immediately upon learning that it or any of its principals:

(1) Are presently excluded or disqualified from covered transactions by any Federal department or agency;

(2) Have been convicted within the preceding three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, receiving stolen property, making false claims, or obstruction of justice; commission of any other offense indicating a lack of business integrity or business honesty that seriously and directly affects your present responsibility;

(3) Are presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (1)(b); and

(4) Have had one or more public transactions (Federal, State, or local) terminated for cause or default within the preceding three years.

b. The Grantee agrees that, unless authorized by the Grants Officer, it will not knowingly enter into any subgrant or contracts under this grant/cooperative agreement with a person or entity that is included on the Excluded Parties List System (<http://epls.arnet.gov>).

The Grantee further agrees to include the following provision in any subgrant or contracts entered into under this award:

'Debarment, Suspension, Ineligibility, and Voluntary Exclusion

The Grantee certifies that neither it nor its principals is presently excluded or disqualified from participation in this transaction by any Federal department or agency. The policies and procedures applicable to debarment, suspension, and ineligibility under NRC-financed transactions are set forth in 2 CFR Part 180.

Drug-Free Workplace

The Grantee must be in compliance with The Federal Drug Free Workplace Act of 1988. The policies and procedures applicable to violations of these requirements are set forth in 41 USC 702.

Implementation of E.O. 13224 -- Executive Order On Terrorist Financing

The Grantee is reminded that U.S. Executive Orders and U.S. law prohibits transactions with, and the provision of resources and support to, individuals and organizations associated with terrorism. It is the legal responsibility of the Grantee to ensure compliance with these Executive Orders and laws. This provision must be included in all contracts/sub-awards issued under this grant/cooperative agreement.

Award Grantees must comply with Executive Order 13224, Blocking Property and Prohibiting Transactions with Persons who Commit, Threaten to Commit, or Support Terrorism. Information about this Executive Order can be found at: www.fas.org/irp/offdocs/eo/eo-13224.htm.

Procurement Standards, § 215.40-48

Sections 215.41 through 215.48 set forth standards for use by Grantees in establishing procedures for the procurement of supplies and other expendable property, equipment, real property and other services with Federal funds. These standards are furnished to ensure that such materials and services are obtained in an effective manner and in compliance with the provisions of applicable Federal statutes and executive orders. No additional procurement standards or requirements shall be imposed by the Federal awarding agencies upon Grantees, unless specifically required by Federal statute or executive order or approved by OMB.

Travel

Travel must be in accordance with the Grantee's Travel Regulations or the US Government Travel Policy and Regulations at: www.gsa.gov/federaltravelregulation and the per diem rates set forth at: www.gsa.gov/perdiem, absent Grantee's travel regulation. Travel costs for the grant must be consistent with provisions as established in Appendix A to 2 CFR 220 (J.53). All other travel, domestic or international, must not increase the total estimated award amount.

Domestic Travel:

Domestic travel is an appropriate charge to this award and prior authorization for specific trips are not required, if the trip is identified in the Grantee's approved program description and approved budget. Domestic trips not stated in the approved budget require the written prior approval of the Grants Officer, and must not increase the total estimated award amount.

All common carrier travel reimbursable hereunder shall be via the least expensive class rates consistent with achieving the objective of the travel and in accordance with the Grantee's policies and practices. Travel by first-class travel is not authorized unless prior approval is obtained from the Grants Officer.

International Travel:

International travel requires PRIOR written approval by the Project Officer and the Grants Officer, even if the international travel is stated in the approved program description and the approved budget.

The Grantee shall comply with the provisions of the Fly American Act (49 USC 40118) as implemented through 41 CFR 301-10.131 through 301-10.143.

Property and Equipment Management Standards

Property and equipment standards of this award shall follow provisions as established in 2 CFR 215.30-37.

Procurement Standards

Procurement standards of this award shall follow provisions as established in 2 CFR 215.40-48

Intangible and Intellectual Property

Intangible and intellectual property of this award shall generally follow provisions established in 2 CFR 215.36.

Inventions Report - The Bayh-Dole Act (P.L. 96-517) affords Grantees the right to elect and retain title to inventions they develop with funding under an NRC grant award ("subject inventions"). In accepting an award, the Grantee agrees to comply with applicable NRC policies, the Bayh-Dole Act, and its Government-wide implementing regulations found at Title 37, Code of Federal Regulations (CFR) Part 401. A significant part of the regulations require that the Grantee report all subject inventions to the awarding agency (NRC) as well as include an acknowledgement of federal support in any patents. NRC participates in the trans-government Interagency Edison system (<http://www.iedison.gov>) and expects NRC funding Grantees to use this system to comply with Bayh-Dole and related intellectual property reporting requirements. The system allows for Grantees to submit reports electronically via the Internet. In addition, the invention must be reported in continuation applications (competing or non-competing).

Patent Notification Procedures- Pursuant to EO 12889, NRC is required to notify the owner of any valid patent covering technology whenever the NRC or its financial assistance Grantees, without making a patent search, knows (or has demonstrable reasonable grounds to know) that technology covered by a valid United States patent has been or will be used without a license from the owner. To ensure proper notification, if the Grantee uses or has used patented technology under this award without license or permission from the owner, the Grantee must notify the Grants Officer. This notice does not necessarily mean that the Government authorizes and consents to any copyright or patent infringement occurring under the financial assistance.

Data, Databases, and Software - The rights to any work produced or purchased under a NRC federal financial assistance award are determined by 2 CFR 215.36. Such works may include data, databases or software. The Grantee owns any work produced or purchased under a NRC federal financial assistance award subject to NRC's right to obtain, reproduce, publish or otherwise use the work or authorize others to receive, reproduce, publish or otherwise use the data for Government purposes.

Copyright - The Grantee may copyright any work produced under a NRC federal financial assistance award subject to NRC's royalty-free nonexclusive and irrevocable right to reproduce, publish or otherwise use the work or authorize others to do so for Government purposes.

Works jointly authored by NRC and Grantee employees may be copyrighted but only the part authored by the Grantee is protected because, under 17 USC § 105, works produced by Government employees are not copyrightable in the United States. On occasion, NRC may ask the Grantee to transfer to NRC its copyright in a particular work when NRC is undertaking the primary dissemination of the work. Ownership of copyright by the Government through assignment is permitted under 17 USC § 105.

Records Retention and Access Requirements for records of the Grantee shall follow established provisions in 2 CFR 215.53.

Organizational Prior Approval System

In order to carry out its responsibilities for monitoring project performance and for adhering to award terms and conditions, each Grantee organization shall have a system to ensure that appropriate authorized officials provide necessary organizational reviews and approvals in advance of any action that would result in either the performance or modification of an NRC supported activity where prior approvals are required, including the obligation or expenditure of funds where the governing cost principles either prescribe conditions or require approvals.

The Grantee shall designate an appropriate official or officials to review and approve the actions requiring NRC prior approval. Preferably, the authorized official(s) should be the same official(s) who sign(s) or countersign(s) those types of requests that require prior approval by NRC. The authorized organization official(s) shall not be the principal investigator or any official having direct responsibility for the actual conduct of the project, or a subordinate of such individual.

Conflict Of Interest Standards for this award shall follow OCOI requirements set forth in Section 170A of the Atomic Energy Act of 1954, as amended, and provisions set forth at 2 CFR 215.42 Codes of Conduct.

Dispute Review Procedures

- a. Any request for review of a notice of termination or other adverse decision should be addressed to the Grants Officer. It must be postmarked or transmitted electronically no later than 30 days after the postmarked date of such termination or adverse decision from the Grants Officer.
- b. The request for review must contain a full statement of the Grantee's position and the pertinent facts and reasons in support of such position.
- c. The Grants Officer will promptly acknowledge receipt of the request for review and shall forward it to the Director, Office of Administration, who shall appoint an intra-agency Appeal Board to review a grantee appeal of an agency action, if required, which will consist of the program office director, the Deputy Director of Office of Administration, and the Office of General Counsel.
- d. Pending resolution of the request for review, the NRC may withhold or defer payments under the award during the review proceedings.
- e. The review committee will request the Grants Officer who issued the notice of termination or adverse action to provide copies of all relevant background materials and documents. The committee may, at its discretion, invite representatives of the Grantee and the NRC program office to discuss pertinent issues and to submit such additional information as it

deems appropriate. The chairman of the review committee will insure that all review activities or proceedings are adequately documented.

f. Based on its review, the committee will prepare its recommendation to the Director, Office of Administration, who will advise the parties concerned of his/her decision.

Termination and Enforcement. Termination of this award by default or by mutual consent shall follow provisions as established in 2 CFR 215.60-62.

Monitoring and Reporting § 215.50-53

a. Grantee Financial Management systems must comply with the established provisions in 2 CFR 215.21

- Payment – 2 CFR 215.22
- Cost Share – 2 CFR 215.23
- Program Income – 2 CFR 215.24
 - Earned program income, if any, shall be added to funds committed to the project by the NRC and Grantee and used to further eligible project or program objectives or deducted from the total project cost allowable cost as directed by the Grants Officer or the terms and conditions of award.
- Budget Revision – 2 CFR 215.25
 - The Grantee is required to report deviations from the approved budget and program descriptions in accordance with 2 CFR 215.25, and request prior written approval from the Program Officer and the Grants Officer.
 - The Grantee is not authorized to rebudget between direct costs and indirect costs without written approval of the Grants Officer.
 - The Grantee is authorized to transfer funds among direct cost categories up to a cumulative 10 percent of the total approved budget. The Grantee is not allowed to transfer funds if the transfer would cause any Federal appropriation to be used for purposes other than those consistent with the original intent of the appropriation.
- Allowable Costs – 2 CFR 215.27

b. Federal Financial Reports

The Grantee shall submit a "Federal Financial Report" (SF-425) on a quarterly basis for the periods ending March 31, June 30, September 30, and December 31, or any portion thereof, unless otherwise specified in a special award condition. Reports are due no later than 30 days following the end of each reporting period. A final SF-425 is due within 90 days after expiration of the award. The report should be submitted electronically to:

Grants_FFR@NRC.GOV. **(NOTE: There is an underscore between Grants and FFR).**

Period of Availability of Funds 2 CFR § 215.28

a. Where a funding period is specified, a Grantee may charge to the grant only allowable costs resulting from obligations incurred during the funding period and any pre-award costs authorized by the NRC.

b. Unless otherwise authorized in 2 CFR 215.25(e)(2) or a special award condition, any extension of the award period can only be authorized by the Grants Officer in writing. Verbal or written assurances of funding from other than the Grants Officer shall not constitute authority to obligate funds for programmatic activities beyond the expiration date.

c. The NRC has no obligation to provide any additional prospective or incremental funding. Any modification of the award to increase funding and to extend the period of performance is at the sole discretion of the NRC.

d. Requests for extensions to the period of performance should be sent to the Grants Officer at least 30 days prior to the grant/cooperative agreement expiration date. Any request for extension after the expiration date may not be honored.

Automated Standard Application For Payments (ASAP) Procedures

Unless otherwise provided for in the award document, payments under this award will be made using the Department of Treasury's Automated Standard Application for Payment (ASAP) system < <http://www.fms.treas.gov/asap/> >. Under the ASAP system, payments are made through preauthorized electronic funds transfers, in accordance with the requirements of the Debt Collection Improvement Act of 1996. In order to receive payments under ASAP, Grantees are required to enroll with the Department of Treasury, Financial Management Service, and Regional Financial Centers, which allows them to use the on-line method of withdrawing funds from their ASAP established accounts. The following information will be required to make withdrawals under ASAP: (1) ASAP account number – the award number found on the cover sheet of the award; (2) Agency Location Code (ALC) – 31000001; and Region Code. Grantees enrolled in the ASAP system do not need to submit a "Request for Advance or Reimbursement" (SF-270), for payments relating to their award.

Audit Requirements

Organization-wide or program-specific audits shall be performed in accordance with the Single Audit Act Amendments of 1996, as implemented by OMB Circular A-133, "Audits of States, Local Governments, and Non-Profit Organizations."

<http://www.whitehouse.gov/omb/circulars/a133/a133.html> Grantees are subject to the provisions of OMB Circular A-133 if they expend \$500,000 or more in a year in Federal awards.

The Form SF-SAC and the Single Audit Reporting packages for fiscal periods ending on or after January 1, 2008 must be submitted online.

1. Create your online report ID at <http://harvester.census.gov/fac/collect/ddeindex.html>
2. Complete the Form SF-SAC
3. Upload the Single Audit
4. Certify the Submission
5. Click "Submit."

Organizations expending less than \$500,000 a year are not required to have an annual audit for that year but must make their grant-related records available to NRC or other designated officials for review or audit.

III. Programmatic Requirements

Performance (Technical) Reports

a. The Grantee shall submit performance (technical) reports electronically to the NRC Project Officer and Grants Officer on a semi-annual basis unless otherwise authorized by the Grants Officer. Performance reports should be sent to the Program Officer at the email address indicated in Block 12 of the Notice of Award, and to Grants Officer at: Grants_PPR.Resource@NRC.GOV. (**NOTE: There is an underscore between Grants and PPR**).

b. Unless otherwise specified in the award provisions, performance (technical) reports shall contain brief information as prescribed in the applicable uniform administrative requirements 2 CFR §215.51 which are incorporated in the award.

c. The Office of Human Resources requires the submission of the semi-annual progress report on the SF-PPR, SF-PPR-B, and the SF-PPR-E forms. The submission for the six month period ending March 31st is due by April 30th, or any portion thereof. The submission for the six month period ending September 30th is due by October 31st or any portion thereof.

d. Grant Performance Metrics:

The Office of Management and Budget requires all Federal Agencies providing funding for educational scholarships and fellowships as well as other educational related funding to report on specific metrics. These metrics are part of the Academic Competitiveness Council's (ACC) 2007 report and specifically relates to Science, Technology, Engineering, and Mathematics (STEM) curricula.

As part of the FY 2010 HR grant awards, in addition to the customary performance progress report requested on the SF-PPR, SF-PPR-B, and SF-PPR-E forms, HR requires the following metrics to be reported on by the awardees as follows:

Curriculum Development Awards

1. Overall number of new courses developed in NRC designated STEM areas;
2. Number of students enrolled in new STEM courses;
3. Number of these enrolled students retained in STEM major.

Unsatisfactory Performance

Failure to perform the work in accordance with the terms of the award and maintain at least a satisfactory performance rating or equivalent evaluation may result in designation of the Grantee as high risk and assignment of special award conditions or other further action as specified in the standard term and condition entitled "Termination."

Failure to comply with any or all of the provisions of the award may have a negative impact on future funding by NRC and may be considered grounds for any or all of the following actions: establishment of an accounts receivable, withholding of payments under any NRC award, changing the method of payment from advance to reimbursement only, or the imposition of other special award conditions, suspension of any NRC active awards, and termination of any NRC award.

Other Federal Awards With Similar Programmatic Activities

The Grantee shall immediately provide written notification to the NRC Project Officer and the Grants Officer in the event that, subsequent to receipt of the NRC award, other financial assistance is received to support or fund any portion of the program description incorporated into the NRC award. NRC will not pay for costs that are funded by other sources.

Prohibition Against Assignment By The Grantee

The Grantee shall not transfer, pledge, mortgage, or otherwise assign the award, or any interest therein, or any claim arising thereunder, to any party or parties, banks, trust companies, or other financing or financial institutions without the express written approval of the Grants Officer.

Site Visits

The NRC, through authorized representatives, has the right, at all reasonable times, to make site visits to review project accomplishments and management control systems and to provide such technical assistance as may be required. If any site visit is made by the NRC on the premises of the Grantee or contractor under an award, the Grantee shall provide and shall require his/her contractors to provide all reasonable facilities and assistance for the safety and convenience of the Government representative in the performance of their duties. All site visits and evaluations shall be performed in such a manner as will not unduly delay the work.

IV. Miscellaneous Requirements

Criminal and Prohibited Activities

- a. The Program Fraud Civil Remedies Act (31 USC §§ 3801-3812), provides for the imposition of civil penalties against persons who make false, fictitious, or fraudulent claims to the Federal government for money (including money representing grant/cooperative agreements, loans, or other benefits.)
- b. False statements (18 USC § 287), provides that whoever makes or presents any false, fictitious, or fraudulent statements, representations, or claims against the United States shall be subject to imprisonment of not more than five years and shall be subject to a fine in the amount provided by 18 USC § 287.
- c. False Claims Act (31 USC 3729 et seq), provides that suits under this Act can be brought by the government, or a person on behalf of the government, for false claims under federal assistance programs.
- d. Copeland "Anti-Kickback" Act (18 USC § 874), prohibits a person or organization engaged in a federally supported project from enticing an employee working on the project from giving up a part of his compensation under an employment contract.

American-Made Equipment And Products

Grantees are hereby notified that they are encouraged, to the greatest extent practicable, to purchase American-made equipment and products with funding provided under this award.

Increasing Seat Belt Use in the United States

Pursuant to EO 13043, Grantees should encourage employees and contractors to enforce on-the-job seat belt policies and programs when operating company-owned, rented or personally-owned vehicle.

Federal Leadership of Reducing Text Messaging While Driving

Pursuant to EO 13513, Grantees should encourage employees, sub-awardees, and contractors to adopt and enforce policies that ban text messaging while driving company-owned, rented vehicles or privately owned vehicles when on official Government business or when performing any work for or on behalf of the Federal Government.

Federal Employee Expenses

Federal agencies are generally barred from accepting funds from a Grantee to pay transportation, travel, or other expenses for any Federal employee unless specifically approved in the terms of the award. Use of award funds (Federal or non-Federal) or the Grantee's provision of in-kind goods or services, for the purposes of transportation, travel, or any other expenses for any Federal employee may raise appropriation augmentation issues. In addition, NRC policy prohibits the acceptance of gifts, including travel payments for Federal employees, from Grantees or applicants regardless of the source.

Minority Serving Institutions (MSIs) Initiative

Pursuant to EOs 13256, 13230, and 13270, NRC is strongly committed to broadening the participation of MSIs in its financial assistance program. NRC's goals include achieving full participation of MSIs in order to advance the development of human potential, strengthen the Nation's capacity to provide high-quality education, and increase opportunities for MSIs to participate in and benefit from Federal financial assistance programs. NRC encourages all applicants and Grantees to include meaningful participations of MSIs. Institutions eligible to be considered MSIs are listed on the Department of Education website:

<http://www.ed.gov/about/offices/list/ocr/edlite-minorityinst.html>

Research Misconduct

Scientific or research misconduct refers to the fabrication, falsification, or plagiarism in proposing, performing, or reviewing research, or in reporting research results. It does not include honest errors or differences of opinions. The Grantee organization has the primary responsibility to investigate allegations and provide reports to the Federal Government. Funds expended on an activity that is determined to be invalid or unreliable because of scientific misconduct may result in a disallowance of costs for which the institution may be liable for repayment to the awarding agency. The Office of Science and Technology Policy at the White House published in the Federal Register on December 6, 2000, a final policy that addressed research misconduct. The policy was developed by the National Science and Technology Council (65 FR 76260). The NRC requires that any allegation be submitted to the Grants Officer, who will also notify the OIG of such allegation. Generally, the Grantee organization shall investigate the allegation and submit its findings to the Grants Officer. The NRC may accept the Grantee's findings or proceed with its own investigation. The Grants Officer shall inform the Grantee of the NRC's final determination.

Publications, Videos, and Acknowledgment of Sponsorship

Publication of the results or findings of a research project in appropriate professional journals and production of video or other media is encouraged as an important method of recording and reporting scientific information. It is also a constructive means to expand access to federally funded research. The Grantee is required to submit a copy to the NRC and when releasing information related to a funded project include a statement that the project or effort undertaken was or is sponsored by the NRC. The Grantee is also responsible for assuring that every publication of material (including Internet sites and videos) based on or developed under an award, except scientific articles or papers appearing in scientific, technical or professional journals, contains the following disclaimer:

"This [report/video] was prepared by [Grantee name] under award [number] from [name of operating unit], Nuclear Regulatory Commission. The statements, findings, conclusions, and recommendations are those of the author(s) and do not necessarily reflect the view of the [name of operating unit] or the US Nuclear Regulatory Commission."

Trafficking In Victims Protection Act Of 2000 (as amended by the Trafficking Victims Protection Reauthorization Act of 2003)

Section 106(g) of the Trafficking In Victims Protection Act Of 2000 (as amended as amended, directs on a government-wide basis that:

"any grant, contract, or cooperative agreement provided or entered into by a Federal department or agency under which funds are to be provided to a private entity, in whole or in part, shall include a condition that authorizes the department or agency to terminate the grant, contract, or cooperative agreement, without penalty, if the grantee or any subgrantee, or the contractor or any subcontractor (i) engages in severe forms of trafficking in persons or has procured a commercial sex act during the period of time that the grant, contract, or cooperative agreement is in effect, or (ii) uses forced labor in the performance of the grant, contract, or cooperative agreement." (22 U.S.C. § 7104(g)).

Executive Compensation

2 CFR 170.220 directs agencies to include the following text to each grant award to a non-federal entity if the total funding is \$25,000 or more in Federal funding.

Reporting Subawards and Executive Compensation.

a. Reporting of first-tier subawards.

1. *Applicability.* Unless you are exempt as provided in paragraph d. of this award term, you must report each action that obligates \$25,000 or more in Federal funds that does not include Recovery funds (as defined in section 1512(a)(2) of the American Recovery and Reinvestment Act of 2009, Pub. L. 111-5) for a subaward to an entity (see definitions in paragraph e. of this award term).

2. *Where and when to report.*

i. You must report each obligating action described in paragraph a.1. of this award term to <http://www.fsrs.gov>.

ii. For subaward information, report no later than the end of the month following the month in which the obligation was made. (For example, if the obligation was made on November 7, 2010, the obligation must be reported by no later than December 31, 2010.)

3. *What to report.* You must report the information about each obligating action that the submission instructions posted at <http://www.fsrs.gov> specify.

b. Reporting Total Compensation of Recipient Executives.

1. *Applicability and what to report.* You must report total compensation for each of your five most highly compensated executives for the preceding completed fiscal year, if—

i. the total Federal funding authorized to date under this award is \$25,000 or more;

ii. in the preceding fiscal year, you received—

(A) 80 percent or more of your annual gross revenues from Federal procurement contracts (and subcontracts) and Federal financial assistance subject to the Transparency Act, as defined at 2 CFR 170.320 (and subawards); and

(B) \$25,000,000 or more in annual gross revenues from Federal procurement contracts (and subcontracts) and Federal financial assistance subject to the Transparency Act, as defined at 2 CFR 170.320 (and subawards); and

iii. The public does not have access to information about the compensation of the executives through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. 78m(a), 78o(d)) or section 6104 of the Internal Revenue Code of 1986. (To determine if the public has access to the compensation information, see the U.S. Security and Exchange Commission total compensation filings at <http://www.sec.gov/answers/execomp.htm>.)

2. *Where and when to report.* You must report executive total compensation described in paragraph b.1. of this award term:

i. As part of your registration profile at <http://www.ccr.gov>.

ii. By the end of the month following the month in which this award is made, and annually thereafter.

c. Reporting of Total Compensation of Subrecipient Executives.

1. *Applicability and what to report.* Unless you are exempt as provided in paragraph d. of this award term, for each first-tier subrecipient under this award, you shall report the names and total compensation of each of the subrecipient's five most highly compensated executives for the subrecipient's preceding completed fiscal year, if—

i. in the subrecipient's preceding fiscal year, the subrecipient received—

(A) 80 percent or more of its annual gross revenues from Federal procurement contracts (and subcontracts) and Federal financial assistance subject to the Transparency Act, as defined at 2 CFR 170.320 (and subawards); and

(B) \$25,000,000 or more in annual gross revenues from Federal procurement contracts (and subcontracts), and Federal financial assistance subject to the Transparency Act (and subawards); and

ii. The public does not have access to information about the compensation of the executives through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of

1934 (15 U.S.C. 78m(a), 78o(d)) or section 6104 of the Internal Revenue Code of 1986. (To determine if the public has access to the compensation information, see the U.S. Security and Exchange Commission total compensation filings at <http://www.sec.gov/answers/execomp.htm>.)

2. *Where and when to report.* You must report subrecipient executive total compensation described in paragraph c.1. of this award term:

i. To the recipient.

ii. By the end of the month following the month during which you make the subaward. For example, if a subaward is obligated on any date during the month of October of a given year (i.e., between October 1 and 31), you must report any required compensation information of the subrecipient by November 30 of that year.

d. *Exemptions*

If, in the previous tax year, you had gross income, from all sources, under \$300,000, you are exempt from the requirements to report:

i. Subawards,

and

ii. The total compensation of the five most highly compensated executives of any subrecipient.

e. *Definitions.* For purposes of this award term:

1. *Entity* means all of the following, as defined in 2 CFR part 25:

i. A Governmental organization, which is a State, local government, or Indian tribe;

ii. A foreign public entity;

iii. A domestic or foreign nonprofit organization;

iv. A domestic or foreign for-profit organization;

v. A Federal agency, but only as a subrecipient under an award or subaward to a non-Federal entity.

2. *Executive* means officers, managing partners, or any other employees in management positions.

3. *Subaward:*

i. This term means a legal instrument to provide support for the performance of any portion of the substantive project or program for which you received this award and that you as the recipient award to an eligible subrecipient.

ii. The term does not include your procurement of property and services needed to carry out the project or program (for further explanation, see Sec. ____ .210 of the attachment to OMB Circular A-133, "Audits of States, Local Governments, and Non-Profit Organizations").

iii. A subaward may be provided through any legal agreement, including an agreement that you or a subrecipient considers a contract.

4. *Subrecipient* means an entity that:

i. Receives a subaward from you (the recipient) under this award; and

ii. Is accountable to you for the use of the Federal funds provided by the subaward.

5. *Total compensation* means the cash and noncash dollar value earned by the executive during the recipient's or subrecipient's preceding fiscal year and includes the following (for more information see 17 CFR 229.402(c)(2)):

i. *Salary and bonus.*

ii. *Awards of stock, stock options, and stock appreciation rights.* Use the dollar amount recognized for financial statement reporting purposes with respect to the fiscal year in accordance with the Statement of Financial Accounting Standards No. 123 (Revised 2004) (FAS 123R), Shared Based Payments.

iii. *Earnings for services under non-equity incentive plans.* This does not include group life, health, hospitalization or medical reimbursement plans that do not discriminate in favor of executives, and are available generally to all salaried employees.

iv. *Change in pension value.* This is the change in present value of defined benefit and actuarial pension plans.

v. *Above-market earnings on deferred compensation which is not tax-qualified.*

vi. *Other compensation,* if the aggregate value of all such other compensation (e.g. severance, termination payments, value of life insurance paid on behalf of the employee, perquisites or property) for the executive exceeds \$10,000.