



**DESCRIPTION OF MODIFICATION:**

The purpose for modification number 001 is to:

1. Make minor corrections to the budget in Section A.3 – Budget;
2. Make minor corrections to Attachment B – Program Description.
3. Change the Federal Financial Reports” section to reflect the required quarterly reporting.

As a result of this modification:

1. “Attachment A – Schedule” is replaced with the attached “Attachment A – Schedule”.
2. The Program Description in Attachment B is replaced with the attached Program Description.
3. Delete the current “b. Federal Financial Reports” and replace with the following language:

**“b. Federal Financial Reports**

Effective October 1, 2008, NRC transitioned from the SF–269, SF–269A, SF–272, and SF– 272A to the Federal Financial Report (SF-425) as required by OMB: [http://www.whitehouse.gov/omb/fedreg/2008/081308\\_ffr.pdf](http://www.whitehouse.gov/omb/fedreg/2008/081308_ffr.pdf)  
[http://www.whitehouse.gov/omb/grants/standard\\_forms/ffr.pdf](http://www.whitehouse.gov/omb/grants/standard_forms/ffr.pdf)  
[http://www.whitehouse.gov/omb/grants/standard\\_forms/ffr\\_instructions.pdf](http://www.whitehouse.gov/omb/grants/standard_forms/ffr_instructions.pdf)

The Grantee shall submit a “Federal Financial Report” (SF-425) on a quarterly basis for the periods ending 3/31, 6/30, 9/30, and 12/31 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 shall be submitted within 90 days after expiration of the award.”

Base Period: May 1, 2010 – April 30, 2011  
Assistance Award Ceiling: \$90,000.00  
NRC Total Obligated Amount: \$90,000.00

All terms and conditions remain the same

**ATTACHMENT A - SCHEDULE****A.1 PURPOSE OF GRANT**

The purpose of this Grant is to provide support to the "Lake Michigan College Nuclear Scholarship Program" as described in Attachment B entitled "Program Description."

**A.2 PERIOD OF GRANT**

1. The effective date of this Grant is May 1, 2010. The estimated completion date of this Grant is April 30, 2011.
2. Funds obligated hereunder are available for program expenditures for the estimated period: May 1, 2010-April 30, 2011.

**A. GENERAL**

1. Total Estimated NRC Amount: \$90,000
2. Total Obligated Amount: \$90,000
3. Cost-Sharing Amount: \$0
4. Activity Title: Lake Michigan College Nuclear Scholarship Program
5. NRC Project Officer: John Gutteridge
6. DUNS No.: 078916889

**B. SPECIFIC**

- RFPA No.: HR-10-914  
 FFS: N/A  
 Job Code: T8460  
 BOC: 4110  
 B&R Number: 0-8415-5C 1115  
 Appropriation #: 31X0200  
 Amount Obligated: \$90,000

**A.3 BUDGET**

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

Budget Line Items	Year 1
Personnel	\$ 16,700.00
Fringe Benefits	\$4,538.00
Travel	\$642.00
Scholarships	\$66,370.00
<b>TOTAL DIRECT COSTS</b>	<b>\$88,250.00</b>
Indirect Costs	\$1,750.00
<b>Total</b>	<b>\$ 90,000.00</b>

All travel must be in accordance with the Lake Michigan College Travel Regulations or the US Government Travel Policy absent Grantee's travel regulation.

**A.4 AMOUNT OF AWARD AND PAYMENT PROCEDURES**

1. The total estimated amount of this Award is \$90,000 for one year.

2. NRC hereby obligates the amount of \$90,000 for program expenditures during the period set forth above and in support of the Budget above. The Grantee will be given written notice by the Contracting Officer when additional funds will be added. 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**

*The U. S. Nuclear Regulatory Commission  
Trade School and Community College Scholarship Grant*

**Need for the Project**

The U.S. Department of Energy estimates that the U.S. will need 44% more electricity by 2020. According to the **NEI**, about 30% of the nuclear energy workforce will retire within five years.

Hiring for more than 300 jobs locally is anticipated over the next five years. The U.S. Dept of Labor has designated energy as a high growth industry. The energy industry is projected to add substantial numbers of new jobs to the economy or affect the growth of other industries.

The collaboration of Lake Michigan College (LMC), D.C. Cook (AEP), and Palisades (Entergy) will address these needs by focusing on educating and training new workers. Graduates of LMC's Energy Production Technology Program provide our industry partners, locally and beyond, with the human resources required for the anticipated growth in the nuclear industry.

**Number and Size of Scholarships**

LMC proposes to award up to 10 scholarships. Recipients must enroll full-time and maintain a GPA of 2.0 or better. This request includes two objectives:

- (1) Provide full-time scholarships for up to 10 students in the Energy Production Technology Program; and
- (2) 90% of scholarship recipients will remain in good academic standing.

At the completion of the 2008-09 grant, 100% of the students were retained with cumulative GPAs ranging from 2.50 to 4.00. To maintain this benchmark, applicants demonstrating the ability to achieve this level of academic excellence will be selected.

**Description of the Energy Production Program/Innovative Partnerships**

Scholarship recipients will enroll in the Associate Degree in Industrial Technology with a major in Energy Production program. This program is based on industry standards with course objectives aligned with industry accredited programs and is one of seven pilot consortia implementing the industry supported Uniform Curriculum. The "Uniform Curriculum Guide for Nuclear Power Plant Technician, maintenance, and Nonlicensed Operations Personnel Associate Degree Programs." The content of the LMC courses are in transition to meet this curriculum guide. Completion of this degree will be recognized by industry employers.

Students must complete LMC liberal arts requirements including math and science courses as prerequisites to the Energy Production core curriculum. After completing core courses, students select one concentration for their final 12 hours of intensive study: (1) Energy Production/Power Plant Operation, (2) Energy Production/Chemistry, (3) Energy Production/Crafts (Electrical, Mechanical or Instrument and Control), and (4) Energy Production/Radiation Protection.

After completing one year of courses, students are required to participate in a 40-hour field experience. Site Advisor, the Department Chair validates attendance and verifies that students have varied opportunities for observing and "shadowing" plant personnel. A capstone course completes the students' degree. As part of

this course, students participate in activities that help prepare them for interviews and testing related to industry hiring practices.

**Management Structure/Capacity**

Principal Investigator -Marge Zibbel, LMC's PI and liaison with the energy industry has more than 30 years of business and industry college administration experience. Her work experience includes educational partnerships with the Perry Nuclear Power Plant (OH), D.C. Cook Plant and Palisades. The PI is responsible for submitting reports and providing oversight.

Energy Production Advisory Committee - This group meets monthly to discuss program curriculum, internships, concentration areas, graduate placement, and other program components. It consists of: D.C. Cook Nuclear Plant, Palisades Nuclear Power Plant, Consumers Energy, Michigan Works Berrien-Cass-Van Buren, Berrien Regional Education Service Agency, and Van Buren Intermediate School District, and College staff.

NRC Recruiter- Academic Advisor - The College will hire a Recruiter-Academic Advisor to work solely with NRC scholarship recipients. This position is essential to the College's ability to recruit 10 high quality students who will achieve the academic standards set by previous NRC recipients. This individual will implement an extensive recruiting plan targeting high school students, women and minorities. The dedicated NRC RecruiterAdvisor will have in depth knowledge of the Energy program, working relationships with industry partners and complete details of the NRC scholarship opportunity. From the recruited pool of students, the application and selection process implemented by the advisor will strive to secure the highest caliber of scholarship applicants for the Energy Production Technology Program. The advisor will provide intensive support for all NRC scholarship students and be responsible for the following:

- Implementing recruitment/marketing strategies to attract a large and diverse pool of student applicants for the NRC scholarships.
- Monitoring the application/registration process and handling student issues.
- Advising students to enroll in courses in a customized schedule.
- Planning and organizing open house events and presentations.
- Monitoring student progress by updating student pre-graduation audit forms.
- Conducting onsite advising sessions at the nuclear power plants upon request.
- Scheduling student field experience at two participating power plants.

The NRC Recruiter-Academic Advisor is a one-year position. Prior to NRC recruiter-advisor's departure, he/she will complete the registration of scholarship students for the Spring-Summer 2011 semester. A seamless transition will occur in March 2011 when the full-time LMC Academic Advisor based at M-TEC will assume responsibility for the student support of the NRC scholarship recipients through their final semester. It is anticipated that systems are in place to effectively and efficiently handle the student support needs of the scholarship students in their final semester.

Capability for Administering the Program and Institutional/Partner Support LMC has a track record in collaborative and partnership programs in addition to the management of grant funds. Many of these programs include partnerships with employment and training agencies, four-year institutions, and local school districts. All projects involve time constraints and requirements that are managed by College staff to ensure quality programs.

An advisor with expertise in program management and student services will be hired to lead this program. The PI and the NRC Academic Advisor will be supported by the Offices of Financial Aid, Records, Registration, Recruitment, Marketing, Advising, Tutoring Center, Special Populations and faculty to ensure that recipients receive support throughout their academic career.

In the spirit of fulfilling the LMC mission, support and commitment is given to continuing this energy production technology degree as a signature program. In December 2009, the LMC

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### **Student Support**

The NRC Recruiter-Academic Advisor will implement the plan to recruit minority and women into the Energy Production program and encourage them to apply for the Energy Production Technology Program and full-time U.S. NRC scholarships. The NRC scholarship students will receive support services offered by the NRC Recruiter-Academic Advisor. The recruiter-advisor will meet with NRC students to develop an academic plan, assist them with registration, confirm the six-month employment requirement, and recommend appropriate support services.

Five weeks into each semester, the recruiter-advisor will call students to check on academic progress and any need for support services. Faculty members will provide individual progress reports mid-way through the semester to the advisor for review. The recruiter-advisor will meet with students to discuss the report and if unsatisfactory progress is being made, support services are scheduled for the student. The recruiter-advisor also monitors final grades at the conclusion of each semester. NRC scholarship recipients will also receive electronic correspondence from the academic advisor on a regular basis announcing upcoming deadlines, internship opportunities, and campus activities.

When funding for this position is eliminated, the Academic Advisor based at the M-TEC facility will seamlessly provide student support services for the final semester covered by the 2010-11 scholarships. She will use tracking systems established by the NRC Recruiter-Advisor.

NRC scholarship students will meet with Human Resource personnel from Cook and Palisades on resume writing, effective employment searches for nuclear industry jobs, and documentation of job searches. Plans are also underway for an annual energy industry job fair. College staffs have received calls from nuclear industry organizations throughout the country wishing to be invited to the recruitment event such as Kiewit Federal Group and Excel Energy.

At LMC's invitation, the Women in Nuclear organizations Cook and Palisades meet with women students on a regular basis. The WIN members share their experiences and encourage the women students to continue their path toward a career in nuclear power. Their encouragement is one of the factors that have led to more women applying for NRC scholarships.