FY 05 – FY 08 Project 1: Enhancing EERE Program Impact by Increasing the Working Relationships Between NASULGC Regional Associations and EERE Regional Offices

Project Goal

Facilitate interactions and dialogue between the respective staff of Regional Associations of NASULGC Institutions, EERE Program Managers and Offices, and the state energy offices

Project Focus

Energy efficiency and renewable energy

The Pacific Northwest Extension Energy Initiative – Phase I

Project Overview

To date, U.S. Department of Energy (DOE), Energy Efficiency and Renewable Energy (EERE) has delivered much of its programming through six Regional Offices and the respective State Energy Offices. The land-grant university system, through its well-developed Cooperative Extension Service, has offices and technical staff in most U.S. counties. During 2004, several NASULGC institutions piloted a program using the capacities of the Extension system to deliver selected services of EERE — services which could take advantage of the Cooperative Extension Offices distribution system. One of the conclusions reached as a result of the pilot projects was that there was significant value to be gained by involving the Cooperative Extension System in delivery of EERE information. More effective use of the Extension system can be made if there are well-developed connections between the regional Extension associations and those involved in deployment within EERE.

Our ultimate goal is to facilitate continuing interactions and dialog between the respective staff of Regional Associations of NASULGC institutions, EERE Program Managers, EERE Regional Energy Offices, and the state energy offices. The Cooperative Extension System has a long standing culture of working collaboratively to provide education to meet the needs of stakeholders. To effectively use the Extension networking, outreach and education capabilities, strong relationships must be forged with regular communications between the DOE-EERE staff and the staff in the Regional Extension Associations.

Leadership Team

Co-chairs:

Gary Burch, Director, Central Regional Office, Golden, CO, Gary.Burch@ee.doe.gov

H. Michael Harrington, Executive Director, Western Association Agricultural Experiment Station Directors, wdal@lamar.colostate.edu

Charlotte Eberlein, Extension Director, University of Idaho, ceberl@uidaho.edu

Jake Fey, Director, Washington State University Energy Program, feyj@energy.wsu.edu

Linda Fox, Extension Dean & Director, Washington State University, lkfox@wsu.edu

Tobin Harvey, Senior Advisor, EERE, Tobin.Harvey@ee.doe.gov

Lyla Houglum, Western Extension Executive Director, lyla.houglum@orst.edu

Lorenza Lyons, Executive Administrator, AEA, llyons849@msn.com

Roy Mink, Program Manager, Geothermal Programs, Roy.Mink@ee.doe.gov

Anthony Nakazawa, Extension Director, University of Alaska, fnatn@uaf.edu

Scott Reed, Extension Dean & Director, Oregon State University, scott.reed@oregonstate.edu

James Wade, Director, Extension and Outreach, NASULGC, jwade@nasulgc.org

FY 05 – FY 08 Project 1: Enhancing EERE Program Impact by Increasing the Working Relationships Between NASULGC Regional Associations and EERE Regional Offices

Project Plan

The Extension education network will be used to facilitate adoption of EERE technologies and practices by citizens in the Pacific Northwest (Washington, Idaho, Oregon, and Alaska), a subset of the Western Region. The Pacific Northwest provides a unique opportunity to demonstrate the value the Extension System can bring to support the EERE deployment strategies. This four-state region has a history of collaboration on Extension/outreach activities and substantial renewable energy resources — particularly wind, biomass, solar, and geothermal resources.

The Washington State University (WSU) Extension Energy Program will provide an important role in this project. The WSU Extension Energy Program's experience and expertise, coupled with its links to the Extension system, as well as its role as manager and operator of the national EERE Information Center, can facilitate implementation throughout the region and the broader Extension network.

Project Tasks

Coordination and Oversight

An implementation team consisting of Extension officials from each of the four Pacific Northwest states will participate as advisors. A representative from the Western Regional Office of DOE will also provide guidance. This group will hold at least one face-to-face meeting and will provide advice about the best methods to engage Extension personnel in the four states. Representatives of NASULGC and DOE will be updated on the progress of the project.

Curriculum Development

It is expected that the project will not need to develop new materials, but will use those currently available through the EERE Information Center. A letter will be drafted and sent by the state Extension Director to their Extension County Directors/Staff Chairs notifying them of training opportunities. In addition, a one-page targeted description of the pilot project will be developed.

Extension Education

Four trainings will be held — one in each state of the region for County Extension Directors and other selected staff members. The aim is to expose them to the experts, the one-stop resource available to them, and to educate them about how to best take advantage of this resource — the resource being the EERE Information Center, which is managed and operated by the WSU Extension Energy Program. They will also develop an implementation plan as part of the training. The federal energy bill will be used as the hook to draw the audience and help them to understand what is new and available, as well as provide valuable information on tax incentives, new funding, and more.

The primary target audience for Phase I of this project is local and county governments including schools, boroughs, cities, tribes, and other local government entities.

The trainings will help county Extension Directors/Staff Chairs teach local government officials to identify energy issues and to access the EERE Information Center for assistance. This will capitalize on the current strong working relationship between Extension and local governments, and will expand and provide depth to Extension's programming which includes energy issues.

Secondary audiences for Phase II might include food processors and wood materials manufacturers, residential customers, and agriculture producers.

Educational Support to County Extension Directors/Staff Chairs

WSU Extension Energy Program staff will provide training to County Extension Directors/Staff Chairs through four trainings.

Each Extension Director will be encouraged to meet their state Energy Office Director to talk about this project and seek ways to work together in the future.

FY 05 – FY 08 Project 1: Enhancing EERE Program Impact by Increasing the Working Relationships Between NASULGC Regional Associations and EERE Regional Offices

The WSU Extension Energy Program will provide technical assistance/consultations for Extension clients in the Pacific Northwest through the existing EERE Information Center service, in particular for the primary target audience.

These consultations would not be offered otherwise, and are over and above, and complementary to, what is currently offered through the EERE Information Center. The budget for this project is estimated to be enough to cover 180 typical advanced-level technical requests/consultations with WSU Extension Energy Program Tier 2 and 3 technical experts.

We assume that the EERE Information Center Project Managers agree to these adjustments to operational scenarios of the current EERE Information Center service. In that case, WSU Extension Energy Program staff will be trained in what operational adjustments will be made under which conditions.

Summary of Deliverables

- Preparation and delivery of four in-state trainings to County Extension Directors/Staff Chairs
- Operational adjustments and staff training for the areas of inquiry intake, disposition, technical consultations, and record-keeping
- Technical assistance (including mailings of materials) for approximately 180 inquiries from target audience
- Quarterly report on activities
- Phase I project report of accomplishments

Project Results

Outputs, rather than outcomes, are expected in the Phase I of this pilot project. Thus, initial success metrics will include the number of contacts and the number of documents delivered. Experience has shown that approximately 50 percent of inquires of the EERE Information Center result in action/behavior change, but it would take follow-up to know the action taken (perhaps in Phase II of the project).

Project Schedule

The pilot project will commence September 2005.

September 05 – November 05

Targeted trainings and accompanying materials will be developed

October 05 – April 06

The four regional trainings for County Extension Directors will be conducted — one in each state, EERE Information Center answers and tracks inquiries

January 06 – September 06

EERE Information Center answers and tracks inquiries, project success assessed — are there examples of members from the target audience that were influenced to adopt new practices, project presented at NACO regional meeting in May

Project Coordination

The WSU Extension Energy Program will develop and deliver training curriculum, conduct the one-day trainings and work with other members of the implementation team to determine when and where the trainings should be held.

FY 05 – FY 08 Project 1: Enhancing EERE Program Impact by Increasing the Working Relationships Between NASULGC Regional Associations and EERE Regional Offices

Project Metrics

Information to indicate project success includes:

- Participant surveys at the conclusion of each training to determine if the training increased knowledge of EERE topics
- Number of Extension staff trained in the region and number who met with local government leaders
- Number of contacts/training they conducted and how many attended
- Number that contacted the EERE Information Center of those who attended trainings

FY 05 – FY 08 Project 2: Institutionalizing the Extension Outreach Capacity in DOE/EERE Programs

Project Goal

Develop process, mechanisms, guidelines to link EERE (scientists, engineers; BA teams) with CES; later with teaching and research

Project Overview

1. Develop process, mechanisms, guidelines to link EERE (scientists, engineers; BA teams) with CES; later with teaching and research
2. Link EERE programs (Building America) with CES network; later, include teaching and research
3. Training (focusing on Building America)

Project Plan

In year one (October 05 – September 06), Project 2 will look for ways that Extension can increase either consumer demand for energy efficiency or homebuilder capability, or both, through institutionalization of the program into the Extension Service system. The general strategy is train-the-trainer. This is compatible with existing Land-grant practices where research scientists develop technologies, Extension specialists develop curriculum and training packages and train local Extension educators, who then provide technical assistance and education to clientele.

In this instance, DOE/EERE Building Technologies personnel will develop a two-day curriculum based on Building America technologies and present it to a regional audience of state-level trainers who will return to their respective states and train local Extension educators. Training will include Hot and Humid Climates Best Practices, Houses That Work, and an introduction to Retrofitting Existing Homes. The ultimate benefit is for these local Extension educators to integrate BA Best Practices into their on-going and continuing educational programs as opposed to a one-shot educational effort. DOE/EERE will include BA teams, contractors, and others as appropriate in the regional training session.

Land-grant institutions in the nine states and two territories comprising the Southeast DOE region (AL, AR, FL, GA, KY, MS, NC, PR, SC, TN, and VI) will be invited to submit statements of interest and nominations of one or two Extension Service personnel per institution to participate in a train-the-trainer session focusing on Building America. The Project 2 Leadership Team will select the most competitive and representative of these to include in a regional training session of approximately 16–18 persons. In addition, State Energy Office Directors (designees) will be invited.

Leadership Team

Co-chairs:

Mark Ginsberg, Board of Directors, EERE, mark.ginsberg@ee.doe.gov

James Wade, Director, Extension and Outreach, NASULGC, jwade@nasulgc.org

Ronald A. Brown, Executive Director, ASRED, MS, brown@ext.msstate.edu

Tim Eastling, Southeast Region, DOE/EERE, Tim.Eastling@EE.DOE.GOV

George James, Building America, George.James@ee.doe.gov

Jack Jenkins, Sr. Energy Mktg Spec, Central Reg. Office/DOE, Jack.Jenkins@ee.doe.gov

Daryl B. Lund, Executive Director, NCRA, WI, dlund@cals.wisc.edu

Lorenza Lyons, Executive Administrator, AEA, llyons849@msn.com

Ed Pollock, Team Leader, Building America Prog, EERE, Edward.pollock@ee.doe.gov

Jim Powell, Director, Southeast Region, DOE/EERE, jim.powell@ee.doe.gov

Tony Schaffhauser, BA Contractor, tschaffhauser@sentech.org

Joe Wysocki, USDA/CSREES, jwysocki@csrees.usda.gov

FY 05 – FY 08 Project 2: Institutionalizing the Extension Outreach Capacity in DOE/EERE Programs

Project Schedule

The following timeline will be used as a guide for activities under Project 2:

July 05

Statements of Interest/Nominations solicited

August 05

Nominees selected/Implementation team(s) determined

September 05

Regional training held

October – November 05

State trainers train local Extension educators

January 06 – June 06

Local Extension educators (with Extension specialist leadership) deliver technical assistance and training

July 06 – August 06

Reports submitted by each participating institution

August 06

Project 2 report developed by Leadership Team and plans for years 2 and 3 developed

Project Coordination

The Leadership Team and the Implementation team will be primarily responsible for organizing meetings, minutes, and other arrangements to assure the completion of the project and the fulfillment of its goals.

Project Metrics

Long-term outcome oriented metrics include buildings that are more energy efficient. Shorter-term, this project will measure the number of people who are trained as trainers, the number of local educators trained, and the number of clientele who participate in technical assistance/educational programs.

FY 05 – FY 08 Project 3: Increasing Public Education About Energy, Particularly Renewable Energy, by Augmenting Non-Formal Youth Education through Science and Mathematics Interactive Modules

Project Goal

Introduce youth to energy systems and in the process, strengthen their understanding of the practical application of science and mathematics

Project Overview

DOE has developed a wealth of educational materials available for deployment to youth in several age categories. Deployment through this project would not only introduce youth to the science and technology of energy systems but in the process, strengthen their understanding of the practical application of science and mathematics. Based upon the successful pilot program instituted and completed in 2004, along with the evaluation data from that effort, the 2005 program will expand in two areas. These two areas are the number of venues in which an educational deployment is initiated and secondly, the number of educational modules presented in the 4-H After School program and potentially other 4-H program entities such as the club, camping, and other major 4-H educational opportunities.

Leadership Team

Co-chairs:

Jessie Harris, Director, Communications and Stakeholder Relations, NREL, Jessie_Harris@nrel.gov

Ian L. Maw, Director, Academic Programs, Agriculture and Natural Resources, NASULGC, imaw@nasulgc.org

Linda Kay Benning, Associate Director, Extension and Outreach, NASULGC, lbenning@nasulgc.org

Samuel L. Donald, Regional Research Director, Association of Research Directors, 1890 Land-Grant Universities, sldonald@mail.umes.edu

Peter Faletra, Program Director, Office of Science Education, Peter.faletra@science.doe.gov

Susan Halbert, Senior Vice President, National 4-H Council, shalbert@fourhcouncil.edu

Cathann Kress, Director, Youth Development, CSREES, ckress@csrees.usda.gov

Carl O' Connor, Executive Director, North Central Cooperative Extension Administration, nccea@uwex.edu

Matthew Seney, Communications and Outreach, DOE, Matthew.seney@ee.doe.gov

Mary Spruill, Program Director, National Energy Education Development (NEED), mspruill@need.org

Project Plan

In order to implement this activity, a national training-of-the-trainers will be conducted, similar to the 2004 pilot efforts, but expanded. A national team of representatives from EERE and Cooperative Extension will set the terms of the training agenda that will, in turn, be carried out with Cooperative Extension's 4-H program representatives.

Specifically, the train-the-trainers program and the materials at the national level will be offered to approximately 28 Cooperative Extension representatives from all regions. This training will take place at NREL in Golden, Colorado, in early December. It will include an NREL tour and interaction with the research staff and educators.

A second training focusing on the particular areas of application and interest will be conducted regionally, with the states paying the cost of those attending. The regional train-the-trainers graduates will be primarily responsible for this project's training and the implementation of the selected educational modules at the state level.

Content for the training will include the 2004 learning module, "the science of light," and a new module, the subject matter of which will be determined by a select group of 4-H directors, educators, project personnel, and personnel from NEED.

In addition to after-school programming, the module teaching kits that have been developed by NEED will be examined for their potential use in other 4-H programming efforts. The materials developed for the 4-H After School programs will also be evaluated for their potential to be expanded into a longer 4-H curriculum that may or may not be project based. These other venues will vary by state and by their 4-H educational programming under way.

FY 05 – FY 08 Project 3: Increasing Public Education About Energy, Particularly Renewable Energy, by Augmenting Non-Formal Youth Education through Science and Mathematics Interactive Modules

This project will also expand the number of youth being reached through non-formal education. Seven new states, plus the seven states that participated in the 2004 pilot program, will raise the 2005 total to 14 states, through a self-selection process.

Project Coordination

Coordination of the overall project will be the responsibility of the team, listed above. Regional efforts will be coordinated by members of the National 4-H Science, Engineering and Technology Task Force and/or the Extension Committee on Organization and Policy (ECOP) 4-H Youth Development Task Force working with 4-H educators, State Energy Offices, in the selected states, and with the National 4-H Headquarters and National 4-H Council staff, as needed.

Project Metrics

The long-term outcomes of this project will be measured by the knowledge acquired by the 4-H youth. Shorter-term outcomes will be the training of the trainers and the training of the 4-H educators in the 20 states.

In addition, another measurable outcome will be the engagement of Cooperative Extension personnel with State Energy Office personnel to develop sustainable collaborative relationships on a state-by-state basis.

In addition, as was done with the pilot effort in 2004, a process evaluation will also be conducted to assess effectiveness of the strategies used in the project.

FY 05 – FY 08 Project 4: University-National Laboratory Workshops

Project Goal

Increase working relationships between DOE/EERE scientists/ engineers and faculty

Project Overview

This activity will be an extension of FY04 Project 5 and will facilitate at least two additional workshops with the DOE Labs that are designed to bring together faculty from the NASULGC-affiliated institutions and scientists and engineers from the Labs. Two separate workshops will be held in 2005 at different locations, NREL, Colorado, and ORNL, Tennessee. General topics for these workshops will be wind energy (NREL) and building efficiencies (ORNL), and will feature scientists and facilities from the DOE/EERE program areas of Wind and Building Technologies.

Based on recommendations of the FY04 Biomass Workshop, conducted at NREL, a "listening session" on biomass/ bioenergy is planned for spring of 2006. This is an important follow-up step to create a more integrated bioenergy-bioproducts effort. By involving scientists from DOE/EERE, Land-Grant universities, USDA (ARS and CSREES), and industry in such an activity, critical knowledge and capacity gaps can be identified. This could lead to a very robust and effectively integrated plan that would focus efforts and guide RFP development.

Additional workshops and listening sessions may be scheduled later in 2006 and during 2007 in areas of mutual interests to DOE/EERE and NASULGC-affiliated institution scientists.

Leadership Team

Co-chairs:

Stan Bull, (co-chair), Associate Director, National Renewable Energy Lab, stanley_bull@nrel.gov

Eric Young, Executive Director, Southern Association of Agricultural Experiment Station Directors, eric_young@ncsu.edu

H. Michael Harrington, Executive Director, Western Association of Agricultural Experiment Station Directors, wdal@lamar.colostate.edu

Robert Shelton, Interim Director, Oak Ridge National Laboratory (ORNL), sheltonrb@ornl.gov

Project Plan

Two workshops are planned for 2005, one on wind energy at NREL in mid-September and the other on building efficiency at ORNL in late November or early December. It is expected that about 75 scientists and administrators from NASULGC-affiliated universities and DOE Labs will participate in each of these workshops. Workshop formats will be similar to last year, except there will be greater opportunities for informal discussion and interaction between faculty and DOE scientists attending. Each workshop will be one and a half days in length and feature explanations of relevant research underway at the Labs and opportunities for joint work, contracts/grants, and use of specialized equipment. Participants will also tour related laboratory facilities with the DOE scientists conducting research in those facilities.

To solicit workshop participation, a memo will be sent to all research vice presidents and deans of selected colleges at NASULGC institutions, inviting nominations of up to 4 participants for the workshops. This memo will also indicate that travel scholarships of $500 would be available for early career faculty and those from minority serving institutions. A special invitation will seek participants from 1994 (Native American serving) institutions and travel support of up to $1,000 will be provided for those faculty.

FY 05 – FY 08 Project 4: University-National Laboratory Workshops

The wind energy workshop will include topics such as:

- Low speed turbines, blade material for large blades
- Environmental issues, turbine location, wildlife impacts
- Gear and transformer technology
- Small turbines for personal use

These topics will be integrated into breakout sessions for scientists in the following disciplines:

- Aerodynamics
- Materials and Metallurgy
- Environmental Sciences
- Engineering

The building efficiency workshop will include topics such as:

- Building envelope:
  - Next Generation Materials
  - Next Generation Wall/Attic Systems
  - Moisture and Other Durability Solutions
- Building equipment and distributed energy
  - Heat Transfer
  - Vapor Compression Systems
  - CHP and Integrated Thermal Energy Systems

These topics will be integrated into breakout sessions for scientists in the following disciplines:

- Engineering
- Architecture
- Materials and Metallurgy

A biomass/bioenergy listening session is planned for spring or summer 2006. This session will be a facilitated meeting of 100–150 scientists and administrators from DOE/EERE, NASULGC-affiliated universities, USDA-ARS, USDA-CSREES, and industry. The primary purpose of the listening session will be to identify gaps in knowledge and capacity in the public and private sectors related to future development of renewable bioenergy. Outcomes of this session will help focus efforts, inform "request for proposals," and facilitate interactions of scientists from the different groups represented. The format and processes utilized may be patterned after a recent CSREES listening session on water resources in the western United States.

Additional workshops will be planned for 2006 and 2007 on additional topics related to other DOE/EERE programs areas. Potential topics include hydrogen, fuel cells, hydropower, and geothermal technologies.

FY 05 – FY 08 Project 4: University-National Laboratory Workshops

Project Coordination

Logistical and local arrangements for the wind energy workshop at NREL will be handled by NREL's conference management office and coordinated by Stan Bull and Mike Harrington. Logistical and local arrangements for the building efficiency workshop at ORNL will be handled by ORNL's conference management office and coordinated by Eric Young and Robert Shelton.

Assistance is requested from the National Center for Food and Agricultural Policy in the following areas:

- Development of an e-mail list for deans of colleges and schools of architecture to facilitate soliciting participation for the building efficiency workshop.
- Logistical and local arrangements for the biomass/bioenergy listening session to be held in 2006.
- Posting pre- and post-workshop and listening session documents on the DOE/NASULGC Web site.

Project Metrics

Information that may be collected to indicate project success includes:

- Participant survey at conclusion of each workshop related to satisfaction with workshop and increase in knowledge of potential DOE/EERE interactions.
- Post-workshop (2–3 years) participant survey related to workshop impacts on DOE/EERE interactions.

FY 05 – FY 08 Project 5: Build Linkages between EERE and Universities in Education, Recruitment and Scientists Exchange

Project Goal

To develop and expedite methods to improve formal exchanges between DOE-EERE and University Scientists/ Engineers; determine partnership opportunities with universities such as curriculum development in support of EERE technologies and programs; and establish mechanisms to identify key graduates for professional positions.

Project Overview

Across the United States, public universities are home to many of the world's top scientists and engineers/researchers. These researchers are a national asset and resource for advancing knowledge that can strengthen public policy and practice. Yet, we do not fully take advantage of this very significant resource. A clear finding from the FY'04 EERE-NASULGC Partnership was the need for more scientist-to-scientist interactions between EERE and NASULGC institutions.

The mission of Leadership Team 5 is to develop ways to build linkages through formal exchanges between EERE and universities in education, recruitment, and scientists. Specifically, the team will work with DOE and NASULGC institutions to:

- Determine and develop partnership opportunities with universities to tie together DOE needs and curriculum development,
- Establish mechanisms to identify graduates for professional positions at DOE,
- Develop methods to improve formal exchanges between DOE-EERE and university scientists/engineers,
- Establish education programs and new types of cooperation with EERE such as internships and graduate fellowships with joint participation at universities occurring today,
- Determine communication mechanisms for recruitment purposes,
- Explore and develop a number of alternative approaches for expanding DOE-NASULGC collaborations among scientists and DOE program directors.

Leadership Team

Co-chairs:

Jill Long Thompson, Chief Executive Officer, National Center for Food and Agricultural Policy, longthompson@ncfap.org

Michael Mills, Executive Liaison, DOE/EERE, michael.mills@ee.doe.gov

Jerry Bellows, Associate Director, NREL, jerry_bellows@nrel.gov

Tom Fretz, Executive Director, Northeast Regional Association, State Agricultural Experiment Station Directors, tfretz@umd.edu

Steven Lee, Director, DOE/EERE, Steven.Lee@ee.doe.gov

Project Plan

This implementation plan is a living document, a work-in-progress to explore and develop a number of alternative approaches for expanding DOE-NASULGC institution collaborations among scientists and DOE Program Directors. These collaborations will seek to develop two-way exchanges, with temporary placement opportunities of DOE scientists and Program Directors at NASULGC institutions, as well as placement opportunities for NASULGC scientists/researchers at DOE Laboratories and at the national headquarters.

Initially the partnership will seek to develop a solid, workable approach that leads to a meaningful interaction between EERE scientists/Program Directors and university engineers/scientists.

FY 05 – FY 08 Project 5: Build Linkages between EERE and Universities in Education, Recruitment and Scientists Exchange

Project Tasks

Using the current university faculty sabbatical placement program at the NREL as a model, Team 5 proposes to develop similar programs for the other DOE Laboratories. This particular program is well developed and has been ongoing for a number of years; therefore, it can be used as a template for expanding to similar opportunities at other EERE Laboratories, and even to program areas at the DOE national headquarters

Working with EERE Program Managers, Team 5 will propose the development of a program for DOE program directors/staff and scientists/engineers at DOE Laboratories to work with university programs sharing similar interests for assigned research leaves/sabbaticals to further the opportunities for research and collaboration. This will allow DOE scientists/program staff and university faculty to learn experientially about ongoing programs at their respective institutions and to enhance research exchanges. These exchanges will run for various lengths of time, with some as short as one or two weeks and others as long as a semester or year.

The Team will work closely with the NREL staff and specific NASULGC researchers/scientists to develop an efficient fast-track approach for making such arrangements. Additionally, a communications strategy for publicizing such opportunities broadly among the NASULGC institutions and among the program areas of EERE will be developed.

The Team will also determine if the process requires a common database of individuals that are candidates for these kinds of appointments. If such is determined, the Autonomy Data System developed to facilitate FY04 Project 1 will be evaluated for this purpose. The Team also plans to identify and implement additional mechanisms for facilitating the exchange of scientists between DIE and NASULGC institutions.

After further developing these programs, XXX? will work with DOE and NASULGC institutions to implement these exchange programs. The overall objective is to have these programs fully implemented by the end of Fiscal-Year 2007.

Project Schedule

Year One

1. Outline a draft proposal to present to DOE Program Managers and university research administrators
2. Seeding to Program Managers for identifying key focus areas for exchange.
3. EERE to identify program areas for exchange
4. Announcement to university research administrators of program exchange opportunities
5. Meet with CRPGE and research deans at NASULGC meeting in November 2005 to introduce program (Jim Fischer and Stan Johnson)
6. Annual program evaluation

Year Two

1. Initiate sabbatical/IPA exchanges between scientists and engineers at DOE and counterparts at NASULGC institutions
2. Further develop program areas of exchange with Program Managers
3. Development of program exchanges between Extension energy specialists and National Laboratory specialists
4. Annual program evaluation

Year Three

1. Continue development of program areas of exchange with Program Managers
2. Continue to expand and monitor exchanges between DOE and NASULGC institution
3. Three-year comprehensive program evaluation

FY 05 – FY 08 Project 5: Build Linkages between EERE and Universities in Education, Recruitment and Scientists Exchange

Project Coordination

Administrative:	Organize meetings, prepare and maintain records, and make other arrangements to ensure the completion of the project and the fulfillment of its goals.
Team Support:	Assist with researching, writing, and editing reports and organizing seminars, workshops, conferences, and/or study tours.
Team Activities:	Organize seminars, workshops, conferences, and/or study tours as appropriate for achieving the project's goals.