

MINUTES

Banner Center for Energy Advisory Council Meeting

Via Teleconference

December 13, 2010

2:00 PM – 3:30 PM

Welcome and Introductions:

José Farinos, IRSC/BCE Director, welcomed all and provided the agenda for the conference call, which was to discuss the Banner Center's updates and progress.

I. Closed Deliverables:

John Holbrook, IRSC/BCE Program Coordinator, discussed the following:

- 2010-2011 deliverables completed: Progression plan was submitted and approved.
- The first Advisory Council Meeting and first Focus Group Meeting took place in September. Second Focus Group Meeting took place last week (December 9th).
 - o The topics discussed were; nuclear workforce, advanced marketing and outreach plan.
 - Focus Group Meeting Attendees were:
 - o James Auld, Florida Power & Light BCE Chair
 - o Kevin Cooper, Indian River State College BCE Program Manager
 - o John Holbrook, Indian River State College BCE Program Coordinator
 - o Tony Kelley, Wallace Community College
 - o Chris McLean, Southern Company
 - o Judy Domanico, Southern Company
 - o Robert Collins, Southern Company
 - o Keka Spoonemone, Southern Community College
 - o JoAnne Robinson, Augusta Technical College
 - o Bill Candy, Augusta Technical College
 - *Kevin Copper, IRSC/BCE Program Manger, was pleased with the Focus Group. The representative schools are starting programs for new nuclear power plants being built by Southern Co. IRSC provided curriculum and advice, which those schools will use to start Energy programs.*
- Website updates are completed and ongoing as information changes.
- 40 trainings have been completed. All trainings are expected to be complete by the end of this banner year, by IRSC and partnership agreements.

II. Up Coming Deliverables:

John Holbrook, IRSC/BCE Program Coordinator, discussed the following:

- Development over the next month: Curriculum Gap Analysis energy education training in the state of FL should be completed by the end of the week and submitted.
- The first e-newsletter will be sent out in early January.
- The BCE is involved in ongoing activity to finalize partnership agreements with Miami Dade, Lake Sumter, and a few other colleges.
- All partnership agreements should be completed early January 2011.

- Would like to propose a joint job fair (Employ Florida Job Fair) in Ft. Pierce with Banner Center for Clean Energy and Construction. This would fulfill the requirement and make it state wide. This requirement is not due in April; however, we want to start thinking about how to accomplish this now.
- Curriculum development is a continuation of what we did last year. Need to work on developing energy audits.

III. Discussion

James Auld, Florida Power & Light/BCE Chair

James Auld gave a brief update and asked others to do the same. James said that all is proceeding well in the energy sector. The only possible issue he discussed is overlapping efforts. An example James gave was that the Banner Center is conducting a Curriculum Gap Analysis, but others in the state are doing that as well. He wants the Banner Center to take the lead and get input from the others, such as CEWD and other entities, which should stop any redundancy. The big question being: If everyone's doing it, how sustainable does it become? James continues to say that the industry cannot absorb that many trained candidates, so we need to watch how many people get involved. James will pass on new information to the Banner Center in the next meeting about the aging workforce and how it continues to be an issue which will force industry to look to our colleges for people to hire.

Patti Weasel, Lake Sumter Community College, said that CEWD involvement in curriculum seems to be more associated with secondary, unlike the Banner Center which is involved in post secondary, so she does not think there is too much overlap.

Kevin Cooper, IRSC/BCE Program Manager, discussed:

- He will be presenting at Workforce Summit at the Rosen Center in Orlando on Dec, 16th.
- The construction of the new building at IRSC. The building will provide 30,000 square feet of laboratory space.
- 23 million for weatherizing and adding energy efficiency improvements to homes in Saint Lucie County. There will be over 300 homes worked on in the next 3 years. IRSC will have people certified to perform some of the work, will collect data for 18 months to determine the improvements to the area, economy, and if it is energy efficient.
- There will be a BPI training in January.
- There will be 2-3 faculty that are NCC certified instructors/BPI certified auditors on the IRSC campus. IRSC will train 12-15 auditors and if the need grows in the future IRSC will be able to provide the training.
- He will send out information to Patty Weasel

John Holbrook, IRSC/BCE Program Coordinator, stated that energy auditing training and nuclear training development is still being worked on.

Hayden D. Alexis, Fort Pierce Utilities Authority, said that FPUA have not done anything much. They are still trying to assess some other areas. They may be interested in training people for energy suits; however, they are not sure if that is going to happen more down the road. Hayden said he does foresee hiring mechanical, electrical, and I&C technicians.

Hayden discussed possible attrition needs and that IRSC/FPL should make a presentation to the training and development coordinator. Hayden will provide the contact information soon.

Hayden also discussed his visits to two solar power projects: 6 mega watts in Orlando and 10 mega watts in Kennedy Center. He said FPUA is looking for a solar power facility, he is not sure when, but they need to get out of their FMPA contract; however, they will continue to purchase their electricity from FMPA. When asked by John Holbrook about total capacity, Hayden was not sure. Hayden said he will get information to John Holbrook in an email. Hayden informed the Council that FMPA will discuss "feed-in" tariff as a topic at their next meeting.

Patti Weasel, Lake Sumter Community College, discussed energy training and the training of contractors with an energy grant they received through Lake County. She said they had learned that a lot of contractors performing weatherization were contractors from outside Lake County, so this grant will help train local people and provide Florida Green Energy Certifications. Another program Patty discussed was Short Term Line Worker Training, which is in connection with the Sheriff's Department. This program is for people aging out of foster care. There are currently 8 people in the program and some may already have jobs.

Everton Jackson, Polk State College, discussed upcoming solar hot water and pv training, solar sourcing, and lead training. Everton said his main update is having BPI training coming early next year. Polk State College will become a BPI affiliate. They have worked out the kinks, have the facilities for the trainees for their field exams, and developed their own curriculum. The development of the curriculum took about 8 months and they brought in an architect to lead the process, as well as an energy auditor. They have all core competencies and it has been approved by BPI and the courses have been certified for CEUs as well.

Ken Olson, Florida Department of Education, discussed the current addition of solar system design installation and maintenance, and explained that next year turbine generator maintenance installation and repair for secondary and post secondary will be added. This was submitted to DOE for post on 11/12, meeting a local need for Lee County. It is predominantly for post secondary adult vocational. This was a locally justified need, and it is not a duplicate of something already in place. It will be posted on DOE's website in January. Ken said he would send Hayden the information that will be on the DOE website in January.

Kevin Cooper, IRSC/BCE Program Manager, discussed IRSC's new building again and said it will have a two vertical wind turbines with rated capacity of 4 kilowatts each; in addition to a small solar array.

V. **Action Items**

John Holbrook, IRSC/BCE Program Coordinator

- Expects all trainings to be completed by the end of this banner year.
- Curriculum Gap Analysis energy education training in the state of FL should be completed by the end of the week and submitted.
- The first e-newsletter will be sent out in early January.

- Wants to propose a joint job fair (Employ Florida Job Fair) in Ft. Pierce with Banner Center for Clean Energy and Construction.
- To work on developing energy audits.

James Auld, Florida Power & Light/BCE Chair

- Will pass on new information to the Banner Center in the next meeting about the aging workforce

Kevin Cooper, IRSC/BCE Program Manager

- Will send out BPI information to Patti Weasel.

Hayden D. Alexis, Fort Pierce Utilities Authority

- Will send Training and Development Coordinator contact information to John Holbrook; as well as capacity information.

Ken Olson, Florida Department of Education

- Will send Hayden the information that will be on the DOE website in January.

VI. Closing Remarks

John Holbrook, IRSC/BCE Program Coordinator, thanked everyone for their participation and said he would try to have the meeting minutes to all by the e