

**NPC Industrial Maintenance and Operations Advisory Council**  
**March 19, 2015**

Lisa Aragon, NAVIT; Andrea Harings, WIA-Workfare; Fred Calderon, NPC IMO Faculty; Kenny Keith, NPC IMO Coordinator; Peggy Belknap, NPC Career and Technical Education Dean; Bill Fee, NPC TAACCCT Grant Coordinator; Alex Ortiz, APS; John (Charlie) Perkins, NPC Mechatronics Faculty; Jeff Lefevre, TEP Training Supervisor; Wade Stoddard, SRP Training Specialist and NPC Adjunct Faculty; Shawntel Skousen, Lab Aide, NPC; David Krouse, TEP; Tamara Martin, NPC Apache County NPC Coordinator; Christopher Susag, APS Cholla and NCCER; Ted McNabb, NPC Adjunct; Sean Nolden, APS Training; Jonny Schurch, Nestle-Purina; Mark Dunning, Arizona Manufacturing Partnership; Mike Colwell, NPC Advisor; Malcolm Green, Arizona Manufacturing Partnership; Troy Towell, NPC Student.

Welcome and Introductions – Kenny Keith.

Minutes from October 2, 2014 were accepted.

**Curriculum Updates:**

Kenny gave a Power Point presentation on the changes from IMO210 to IMO208, explaining the positive effects it will have for the power industry. Kenny spoke about the importance of students testing for the National Career Readiness Certificate (NCRC). APS was hiring 20 positions. Around 700 applied, only 18 qualified. The NCRC will help industries sort through applicants quicker. He gave a short video on NCRC testing given by ACT. NCRC is part of IMO 208. Students need to know the safety and regulatory entities in the industry, there are 19. Kenny listed all the agencies. It is important for first semester students to have a broader understanding of the industry.

**IMO 234 Power Generation Maintenance:**

Kenny stated NPC created IMO 234 Power Generation Maintenance class. It is a 6 credited course class. It gives the student four levels of power generation as well as four certifications. Pearson is currently developing the book. IMO 234 will start this Fall 2015 semester. We already have students wanting to enroll.

**NCRC Enrollment Numbers:**

Kenny gave results for Spring and Fall 2014 testing. NCRC has four different levels students can qualify: Gold, Silver, Bronze and No Certificate. The students on average qualify in the Silver Certificate level. Students on average do not score well in the Locating Information (LI) category. Kenny noted that if students were to bring the score up in LI, students would qualify in the Gold Certificate level. It was brought up if Corporate knew the significance of the NCRC testing.

Peggy stated that corporate knows the significance of the NCRC. At the quarterly meetings with the Partnerships, they are aware. The information needs to get filtered down to the proper departments such as Human Resource.

William stated that the ACT changes the questions so there is no test familiarity.

Shawntel stated that students can get tutoring to up their scores.

#### Enrollment Numbers:

Kenny gave a snapshot of the enrollment for Fall 2013 thru Spring 2015 of the IMO classes. The enrollment had declined due to the negative image given by the media and rumor of power plants shutting down. Kenny is hoping that enrollment will start to incline.

#### Energy Week Update October 13-18, 2014:

Kenny noted that he participated in Energy Week last October 2014. It was held at the PDC Skills center, St. John and Springerville. Do we want to continue to participate in it again? Let Kenny know.

#### Open House Updates:

The Open Houses were a great success, thanks to APS and SRP. The Open House at SRP had over 150 people attend. There was a good representation from all the plants and students that are working in the industry. Christopher and NAVIT worked hard, so thank you.

#### NCCER Testing Site Fees:

Christopher and Kenny need to get together on this.

#### CiNet Redvector progress:

A lot of changes, students have a better understanding of what they missed on the test. Students can see what they got right and wrong. Kenny has gotten very few complaints.

#### Capital Equipment:

Kenny noted that he wasn't sure if the Steam System and Hydraulic Troubleshooter were listed on October. He confirmed they were listed. There are courses built for the Steam System and the Hydraulic Troubleshooter. Kenny is getting together with maintenance to have the Steam System and Hydraulic Troubleshooter taken to all the sites.

Charlie spoke about the change to Mechatronics MET110 Manufacturing Fundamentals to be replaced by MET100. The main changes will be that EIF will be integrated; it will be a 4 credit class instead of a 3 credit class. It is a better overview. Enrollment is going up.

Kenny noted that what we are doing is practical and relevant.

#### Grant Update:

William Fee spoke about the Get into Energy pamphlet. The grant was originally for three years with a fourth year to be added for evaluation. The grant cannot be extended for a full year, but they extended it for an additional 6 months until the evaluation peaks, which is about a year from now. NPC is the smallest of the consortia colleges, yet performing at a level that compliments the efforts of

everyone participating in the IMO, MET and WLD programs. Kenny and Shawntel are doing a great job. Students get in the program and stay in the program. Department of Labor is trying to help get us generate more numbers. Everybody that touches students is doing a great job. Looking to get overlay wraps for the NPC fleet.

#### Industry Updates:

Mark and Malcolm from Arizona Manufacturing Partnerships (AMP) stated that the Engineering and Manufacturing Mechatronics education fits into their realm. A statewide, industry-led initiative to close the skills gap and develop the next-generation workforce in manufacturing that will change perceptions and promote, the world-class image of manufacturing to schools, teachers, parent, and elected officials. Mark and Malcolm gave a presentation. "How to combat the skills shortage in U.S. Manufacturing" through Education-Certification-Career paths. They passed out brochures to help parents to talk with their kids about the career opportunities of manufacturing. Edufactor.org is an innovative STEM tool that brings classroom learning using high impact videos and activities. They showed a video: Relationship between Man and Machine.

#### Nestle-Purina:

42 days after an explosion in Sept. 2014, they are back-up and running. Business is booming, changing to a continuous operation schedule. Currently they have 6 positions open. They are in the process of Total Performance Maintenance (TPM). Skilled applicants are an issue.

#### SRP:

6 operating positions opening internal first, if not filled will be offered outside.

#### APS:

Sean is going to Hawaii to the Polynesian Culture Center for 10 days to teach NCCER and get them certified.

#### WIA:

We have a new director, Susan Tegmeyer, since she has been on board, we have strengthened our partnership with NPC. We partnered up for a Gardening Project last summer, this summer will be a House Project. They are building a house here in Holbrook, focusing on people who are trying to earn their GED, who are wanting a career in Construction. They will receive an OSHA 10 card, NCCER, NCRC, as a workforce we are focusing on these as well. On the job training, with Forest Energy, we have placed six people there. We are able to meet industry half-way, were we pay half the salary and you pay half salary. In three to four months, if they work out, you hire them.

NAVIT:

Governor placed NAVIT in a scare with the budget. NAVIT is a JTED in Arizona. We have two-sides, the Central side were high school students go to the college for half a day; the Satellite side were any CTE class the student takes at the high school generates money, NAVIT turns back over the money to the high school to help fund those CTE programs. Governor tried to cut 100% of the funding. Senator Allen, companies, and parents turned out to support NAVIT. NAVIT generates .25 for the high school. The governor did cut 7%. That means 7% of the .25 did get cut. It will take effect in 2016/2017. Studies show the NAVIT/NPC students go out into the workforce earlier, more productive and paying taxes sooner.

Tamara:

Smartboard to be installed in Apache County and possibly fix up the classroom.

TEP:

We will need 8-10 more trainees. 2016/2017, we will need the same number of trainees needed or more over the next 5 years. We are going to lose 20% to 30% of our workforce. Some people are making it into the control room within five years. EMI is starting their apprenticeship. AMATROL equipment by this Fall.

Next Meeting:

Early Fall 2015, September or October.

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