

NPC Industrial Maintenance and Operations Advisory Council
October 2, 2014

Lisa Aragon, NAVIT; Kim Finch, SRP Coronado and NPC Adjunct; Carla Fails, WIA; Fred Calderon, NPC IMO Faculty; Kenny Keith, NPC IMO Coordinator; Peggy Belknap, NPC Career and Technical Education Dean; Bill Fee, NPC TAACCCT Grant Coordinator; Royce Kincanon, NPC Community and Corporate Learning Coordinator; John (Charlie) Perkins, NPC Mechatronics Faculty; Rhonda Francisco, TEP Training Coordinator; Wade Stoddard, SRP Training Specialist and NPC Adjunct Faculty; Shantel Skousen, Lab Aide, NPC; John Spadaccini, NPC Career Services; Tamara Martin, NPC Apache County NPC Coordinator; Christopher Susag, APS Cholla and NCCER; Ted McNabb, NPC Adjunct.

Welcome and introductions – Kenny Keith.

Minutes from March 6, 2014 were accepted.

Get Into Energy Curriculum/IMO 210

Kenny Keith -- We currently have 17 students in IMO 210. I plan to integrate IMO 210 with CEWD-developed Energy Fundamentals (EIF); Seven course modules total; five in class and other two completed by students as self-taught online. Complete course package – Power Point, in-class exercises, instructor and student guides. Kuder test provides EIF certification. Required now for Palo Verde NGS; recognized nationwide. Developed by energy industry.

National Career Readiness Certificate – three tests: math, locating information, reading for information. I'm proposing to incorporate this testing into the 210 course. Four levels: Bronze, Silver, Gold, Platinum. Platinum is required for employment at Palo Verde. NCRC plus (stars) on certificate show aptitude for interpersonal skills. Some pushback from students on the accuracy of the test/survey instrument measuring interpersonal skills.

Kenny showed topics in current IMO 210. Which topics can we take out of IMO 210 and not hurt program? What about Lubrication? Kim Finch – at our plant operators are being required to do more lubrication than in the past, given lower staffing levels.

Kim – perhaps take out Basic Diagrams and Symbols 1 and 2 and Electrical Diagrams Part 1. We cover that pretty thoroughly in 211 and some in 212. Couplings? Safety Data Sheets? Ted – I think Globally Harmonized System Overview should be in 212 or 213. Fred – Equipment Drive Components could be dealt with later. Consensus – Safety Data Sheets should stay in; need to start them off with those right away.

NCCER Objectives align with EIF Modules – industry energy fundamentals. Pre-req to Power Generation.

Power Plants are moving toward Power Generation – Completing ten modules yields levels 1 through 4 of power generation maintenance certification. I could create a 199 course that allows student to get a certificate. Mechanical Maintenance first and then Power Generation.

Kim -- Right now SRP only requires one certificate – operations for employment. But it might be an advantage when competing for apprenticeships. Chris Susag – we are using Power Generation as part of our apprenticeship at Cholla.

Peggy – how much change is involved? Kenny – one nine-module elective class for four certificates.

Peggy -- Must change degree plan, because 210 is changing content and outcomes dramatically. Probably give it a new course number. So might want the new class to be incorporated as a track in degree plan. This is exactly what you need to be doing to keep the curriculum fresh and up-to-date.

Bill Fee – curriculum has been developed through CEWD and other industry sources that we can also look at.

HDE 103 is Workforce Skills. Remediation – 2 credits.

Promote the maintenance courses – review NCCER Power Generation mechanical series.

Energy Week October 13 – 18. Monday open house St. Johns, Thursday in Springerville, Saturday big open house at Skills Center.

Winter or Spring Open House dates to promote NAVIT – Matt put out an email to Von, and he in turn has asked for input. Chris – Just tell us a date and we'll make it happen at Cholla. Lisa -- February tends to be a good month and not as much chance of conflicts with other high school activities.

Kim -- last year IMO faculty went to high school at Round Valley and talked to students.

Ken --Should we charge a testing fee for our NCCER testing site? Room has been approved. Each assessment is \$25. We haven't done this before; now assessments are open to the public. Chris explained that NCCER includes training curriculum, written assessment, and practical assessment. This would allow members of the public with skills and training to get NCCER certification, which is more widely recognized than just a state or company apprenticeship or local training course.

Peggy – fee would need to be approved by the District Governing Board in Spring 2015.

Redvector and CiNet developed new LMS for students. Google Chrome, Firefox, I-pads. Easier for instructor to enter grades. They keep adding new courses as well.

Kenny --Capital Equipment: new steam system and hydraulic troubleshooter.
Program Review -- Every three years each department in the college completes a program review. The IMO review for 2010/11, 11/12, and 12/13 – plus info from Fall 2013 – completed April 15, 2014. Please look over and review.

Enrollment numbers – 210 has 48 new students this semester. Be prepared for large classes in spring semester.

Industry updates: Cholla shutting down Unit 3 so will need to cut by 30 people.
Coronado: Waiting to see how soon EPA is going to have us put SCRs on Unit 1. Physically impossible to meet EPA deadline. Goal is to shut down power plants.
Rhonda – we have 18 trainees in class at TEP. Heard possibly will hire another 8 or 10 next year.
Business/employer open house. October 29 career fair at Springerville center -- \$30 fee for table. NPC and Arizona workforce commission.

Royce – we teach Emergency Response Training – two week program. Also Confined Space, Ropes Rescue.

Bill Fee – 340 students in grant-related programs; just started Year 3. Mechatronics, IMO, Welding. Very slow start to grant so grant as a whole is underspent and underperforming; NPC is underspent but has performed above target. Third party data collection firm is assessing results; hoped would be able to track students from enrollment to employment. Having a problem getting DES employment data. Have done a lot of testing. Three year grant plus fourth year for evaluation. Don't know if we'll get an additional year.

Carla -- Workforce Investment partners with NPC; summer program went well – seven students who have all found full-time employment. State is in the process of revamping our system. Part of new system is NPC will have to help track participants. Workforce investment act will be re-authorized and agency will become WOIA.

Lisa – I like the changes in curriculum. Now we see many industry segments that recognize the NCRC Career Readiness credentials.

Next Meeting – sometime in February or March; Holbrook Painted Desert Campus. Will get out the meeting notice soon.