NPC Automotive Technology Advisory Committee

September 18, 2019

6:00-7:30p

NPC ATO Shop

Present: Present: **Frank Pinnell**, NPC Automotive and Welding Department Chair; **Sam Harris**, NPC Automotive Faculty; **Daniel Harris**, Harris Automotive; **Nathan Williams**, Williams Brothers; **Seth Gaston, Tim Nelson, Chris Stearns,** Hatch Toyota; **Joe Carlisle**, NPC ATO Lab Aide; **Richard Ables**, Bill’s Machine Shop; **Cyli Geisler**; NPC ATO Lab Aide, **Mike Claypool**, NPC ATO Adjunct Faculty & Lab Aide; **Sheila Langteau,** Car Quest; **Matt Weber,** NAVIT; **Mark Leigh,** NPC ATO Lab Aide; **Toby Ratzlaff,** Performance Auto

Note taker: Pamela Dominguez

**Welcome/Introductions**:

**Industry Update:**

**Hatch Toyota:** Hatch has had no shortage of cars. Industry is developing a wet system belt to pull pumps. Direct injection- valves are getting coated- they may go to a two system approach. Knowing the basics are important. Industry is struggling for techs. Labor prices are going up from 95 to110 per hour. Hydrogen cars are coming. The infrastructure to support hydrogen cars are not complete. It is predicted in 2025, there will be a 46,000 tech shortage. Recruiting should start in 7th or 8th grade to get kids excited about working on cars. The college has Eaglefest to help recruit kids at a younger age. Industry struggles to offer competitive wages with other industries such as welding. Available and affordable housing is hard to find up here. Toyota gives raises as techs get more schooling. Toyota gives a 15 questions test and they miss 11 questions. Techs fail because they couldn’t read the Electronic Wiring Diagram (EWD). You have to know the complete system. Toyota is sharing patents and technology. Toyota is training 136 recruiters to visit 8th grade classes. Toyota will share the materials that the recruiters use.

**NPC Lab Aides:** If you don’t know basic function of an engine, how can you diagnose it. The students actually want to be here. This the first year ATO has SPE student. Some techs earn straight commission-if you don’t do it right, you do it for free.

**Harris Automotive:** You still need the knowledge of older cars.

**Bill’s Machine Shop:** The average American owns older cars that are around ten years old. Techs need to know what is wrong not perform needless repairs.

**Carquest:** In the trade magazines, it states there will be a technician shortage. You can’t be a backyard mechanic anymore, there are too many technological advances. If you can diagnose, you can make good money.

**NPC:** Industry is welcomed to come to class and tell students why they should come work at the place.

**NAVIT:** Students feel this is an opportunity and a viable career. In the last couple of years, our enrollment has students that want to be here. The students with the nicest cars want to be here. Everyone that comes to NPC vs their home school state the college is better. Some high schools have gone to a four day school week; that has become a challenge. The students that don’t want to be here don’t come. The prerequisite for students coming to NAVIT are: good attendance, no disciplinary issues, minimum of a C, and on line to graduate. If the high school has an automotive program, students are eligible for NAVIT. The college prerequisite for ATO courses is a reading level score.

**Performance Auto:** The students need to understand sensor pinpoint testing. Students need to be able to read the sensors. Techs that know how to diagnose can make good money. We don’t need part changers. The town is getting bigger-we will need more shops.

HLC evaluators are coming in November; the college has been preparing for two years. They may visit industry; be honest. The visit will last two days and in six months we will receive their findings.

**Enrollment & New Employees:** The ATO NAVIT AM/PM and night class is full. We try to get everyone in. Mark Leigh is our new lab aide and comes to us with a lot of Ford background.

**Skills Center Update:** The College has put aside 20 million dollars to build a new building that will house ATO and WLD. A project manager has been hired, but not an architect. Nursing will have their own building. Matt is excited because the logistics of a one drop off point. Students will have a one stop to go see an advisor or use the library. The building will be on the left side of campus between Horne and the wooded area.

**SkillsUSA**: We are region 4 and we have hosted for four years. The college is not hosting this year. We don’t know where it will be held yet. The college will participate. Sam went to SkillsUSA Nationals. His student who won State came in 21st at Nationals. He was competing against four year college who have advanced learning. The college and NAVIT paid for seven students to compete at Nationals. One of our students won gold at Nationals. The college gave better prizes than the State or Nationals competition because industry was so generous.

**Hybrid Training:**

Sam went to Arizona Automotive Association in Phoenix. Technology is changing the drive motors, generators, and engines. Specific shops for specific problems will be popping up. Training is available thru Toyota. The higher the BTU the better fuel efficiency. The Hybrid pick-up trucks are coming improving emissions. A drag race strip would strike interest in cars.

**Schedule Next Meeting:**

The spring meeting will be Wednesday, May 20th 2020 @ Automotive classroom.