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| San Bernardino Valley College |  |  |  |
| HMDT Advisory Meeting Minutes |  |  |  |
| Tuesday 05/18/2021  |  |  |  |
| 11:00am – 12:00am |  |  |  |
| Transportation Department ZOOM  |  |  |  |
| NAME | COMPANY | PHONE | E MAIL  |
|  |  |  |  |
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| Vanessa Thomas  | SBVC | 909-384-8904 | vthomas@valleycollege.edu |
| Manny Barba | Velocity Truck Center | 909-510-4100 | mbarba@vvgtruck.com |
| Ty Harrington | TEC Equipment  | 951-377-0702 | ttharrington@tecequipment.com |
| Josie Robinson | TEC Equipment | 503-247-4684 | Jrobinson2@tecequipment.com |
| Dylan Drebing | CR England |  | Dylan.drebing@crengland.com |
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| Manny Alarcon | Socal Gas |  | malarcon@socalgas.com |

 Introduction

All present at the meeting have introduced themselves and where they are employed.

Kenny Melancon advised that Penske will not be present today due to other conflicts in events but will comment via e mail on meeting topics that were sent to them.

 Special Thanks Partnership for their support and also covered the MOU’s need to be updated.

 Peggy Weber will send out the MOUs to all that need updating.

Kenny thanked our partners for their continued support, for hiring our students and giving them an opportunity.

Discussion

Kenny Melancon opened the floor with conversation about Pacific High School concurrent enrollment and how it ties into guided pathways. The program is growing each year and the advisory is interested in the students that will graduate this year.

Dr Kay gave an update on the Pacific High School new building that will be completed within 18 months. Pacific High school grand opening will be in February. Dr Kay spoke about the curriculum for the high school and its articulation with SBVC / HMDT. Pacific High School is very excited about partnering with SBVC in the Heavy-Duty Truck Program. Pacific HS is interested in an internship/apprentice program, because of their concerns for their students who are completing their program. The companies that attended the meeting are very supportive of students with a high school diploma and the Heavy/Medium Truck certs will be given an opportunity to work. The partners stated that the students who do well will have a good attendance, work ethic

 Heavy/Medium Duty Truck Clean Vehicle Technology Certificate – This certificate is 28 units and covers bumper to bumper training of the truck. They learn general maintenance, electrical systems to trouble shooting. The certificate is designed to provide students with the fundamentals of alternative fuel technology as it applies to the industrial. The curriculum prepares students for entry-level positions in diesel and electrical maintenance, field service and networking. The Advisory has recommended moving forward with the AS Degree for Clean Vehicle technology. The scope of the AS degree is to present a avenue for students that become technicians

 Heavy/Medium Duty Clean Vehicle Technology Certificate – They learn about SCR, green-house gases, alternative fuel technology, CNG (Compressed Natural Gas), and electrical maintenance. Terry Halabi stated that the classes allow the students to continue their education in Electrical engineering should they choose educational goal of a Bachelor Degree.

* Heavy Duty Clean Vehicle Technology Certificate
	+ HMDT 021 Heavy Duty Truck Engines 4
	+ HMDT 024 Advanced Heavy-Duty Truck Engine 4
	+ **HMDT 042 Intro Zero Emission Heavy Duty Truck (New Class) 2**
	+ AUTO 010 Introduction to Hybrid and Electric Vehicle 4
	+ Elec 110 Direct Current Circuit Analysis 3
	+ Elec 111 Direct Current Circuit Laboratory 1
	+ Elec 115 Alternating Current Circuit Analysis 3
	+ Elec 116 Alternating Current Circuit Laboratory 1
	+ TeCal 087 Technical Calculations 4

TEC / Volvo Fontana facility requested SBVC to become a testing facility for CNG Tank inspection certification. Long Beach Community College was the only place for certifying or recertifying. Its such a long was to travel for everyone in the inland Empire. It takes away from business as usual within the work facilities. The TEC Truck Collision center is also wanting the department to join with the auto collision department to create the Heavy Duty truck Collision department and perform tasks, example: Frame rail replacement. Repair of cab and chassis.

SBVC offers Tank Inspection training in a credited class and non-credit class which includes engine diagnostics. SBVC hopes to get approval from the school board to use a computer classroom and also find a Proctor to monitor the testing facility. The students or persons that will take the test must pay for their own testing.

Riverside Transit Authority, TEC of California and Velocity Truck Group have been hiring our students with the mechanical skills acquired at SBVC. The focus in now on electrical knowledge and skills for DC and AC motors for the new trucks as California moves into a new era of transportation.

Kenny Melancon states SBVC Heavy-Duty Truck department is in need of chargers and electric motors used within the industry for training purposes and curriculum is being revised to meet the industry needs. The partnership with these companies and the sharing of material is outstanding as everyone within the transportation industry sees what is expected by 2025. The training students acquire is going to be reflective of the hands on in the lab and getting first-hand experience.

 Pacific HS – was suggesting an internship program, because of their concerns for their students who are completing their program. They were informed that students with a high school diploma and the Heavy/Medium Truck certs will be given an opportunity to work. The partners stated that the people who do well will have a good attendance, work ethic

Josi Robinson of TEC Equipment stated that the students who goes through our program have been preforming well. She also stated, about the electric truck which will saturate the area in Southern California by 2021 and the demand of employment, will be high with no technicians available to work on the trucks. Manny was pleased that SBVC is moving in the direction to fill the void of future technicians.

Future Forecast

Kenny stated within the next few years as more electric trucks will be coming out, the department would like to get more information on the charging systems so the college may equipment the classroom with the technology needed to strengthen the needs of the students that complete the course.

Although the new trucks are all electric, the education that our students learn is still relevant because the electric truck will need general maintenance which covers coolants/oils, braking systems, bearing and etc.

By year 2024 it is expected to have more than 10,000 electric trucks and buses in the area and so there will be a need to certify mechanics who are familiar the general maintenance and advanced electric vehicle repair knowledge.

Kimberly Collins PhD, Professor of Public Administration is very involved with or department in finding resolution and cost effective ways to incorporate truck simulators into the program. The cost to purchase these units from CSUSB is reasonable, but the yearly subscription for the service is higher then what the department can afford at this time.

Will continue giving updates on this certificate

Walter Shen from AQMD has enquired about the fuel cell technology and are we involved with any organizations within the industry.

In response to Mr. Shen question, Melancon has advised that the cost to join organizations is costly and our college does not have the funds to sup[port the programs. So we are not invited to attend.

Representatives form AQUD are very interested in the progress happening at Pacific High school and the approved curriculum for the heavy duty truck program is moving forward. It was also noted that future education within the high school level will be toward alternative fuels.

12:00pm meeting adjourned.