

Fall 2016

Name of Person Submitting Request:	Berchman Melancon
Program or Service Area:	Diesel / Transportation
Division:	Applied Technology, Transportation and Culinary Arts
Date of Last Program Efficacy:	Spring 2015
What rating was given?	Continuation
Equipment Requested	Cummins CNG low Nox engine
Amount Requested:	75,500.00
Strategic Initiatives Addressed: (See Appendix A: http://tinyurl.com/l5oqoxm)	1.11, 1.9 ,2.8.10 ,2.11 ,2.11.2 ,2.16 ,5.2 ,5.4.1 ,6.6

Replacement Growth **X**

1. Provide a rationale for your request.

San Bernardino is the only public community college in the Inland Empire that teaches EPA emission classes that cover EPA07, EPA10 and GHG14 emission programs. The new technology is imperative to continue educating the local businesses and students about the importance of CNG (Compressed Natural Gas) and the future of the environment. The up to date technology will allow the students to have opportunity to apply for jobs anywhere in the country, not just the inland empire. BY ALLOWING THE DIESEL DEPARTMENT TO TEACH the CNG, this advanced training will give students a working knowledge of the changes made to the components, systems and diagnostics of Cummins CNG engines released to comply with emission regulations. The advancement into the future technology includes engine and vehicle component changes, system changes and operation, air system, fuel system, coolant system, lubrication system, airless after-treatment operation and electronic tools and diagnostic changes. These are the new tools students need to work in the logistics industry.

2. Indicate how the content of the latest Program Efficacy Report and current EMP data support this request. How is the request tied to program planning? (*Reference the page number(s) where the information can be found on Program Efficacy.*)

The current EMP data for 2014 - 15 that support this request related to:
Page 77 of the Master Plan the Diesel EMP shows
 The retention rate is steady at 95% in 14-15 as compared to 13-14.
 Create a AS Degree and a new certificate within the Diesel program to increase the number of Degrees and Certificates awarded within the program.

3. Indicate if there is additional information you wish the committee to consider (*for example, regulatory information, compliance, updated efficiency, student success data, planning, etc.*).

Adding this instructional process to the Diesel 034 class and the Diesel 026 class will give the student an edge on the other privately owned tech colleges in the area. The training will advance the student in an area where there is a demand for service and repair of components.

4. Evaluation of initial cost, as well as related costs (including any ongoing maintenance or updates) and identification of any alternative or ongoing funding sources (*for example Department, Budget, Perkins, Grants, etc.*).

The machine will cost average 65000.00
 Maintenance of 500.00 per year
 Cummins engine tools cost at a value of 5000.00

There is not enough funding to pay for this machine nor the tools needed to complete the training. I would

like to request money be put aside for the spending of this machine and tools for the Cummins CNG engine.

5. What are the consequences of not funding this equipment?

The Department is always looking for the support of its advisory committee and donations from business within the community. The Diesel department is teaching the 04 emission, 07 emission 010 emission GHG14 emission and will add the CGC emission standards to its complex training program.

This material will provide a student with the tools needed for a stronger support within the work force in search of their career goals.

If the equipment is not purchased

The student will only receive the video training and not the hands on training needed to support the program completely. This is not satisfactory training within the industry. A student with this knowledge will broaden his/her chances of getting a job in the industry.