

EQUIPMENT NEEDS ASSESSMENT APPLICATION

Fall 2019

Name of Person Submitting Request:	John Roberts
Program or Service Area:	HVAC/Refrigeration
Division:	Applied Technology, Transportation , and Culinary Arts
Date of Last Program Efficacy:	SPRING 2019 Full Review
What rating was given?	Probation
Equipment Requested	Heat Pump Trainer
Amount Requested:	\$40,000
Strategic Initiatives Addressed:	2, 4
Needs Assessment Resources (includes Strategic Initiatives):	https://www.valleycollege.edu/about-sbvc/campus-committees/academic-senate/program-review/needs-assessment.php

NOTE: To facilitate ranking by the committee, submit separate requests for each item; however, multiple items can be submitted as one request if it is required that the equipment is packaged together.

Replacement ☐ Additional ☒

Are there alternative funding sources? (for example, Department, Budget, Perkins, Grants, etc.)

Yes ☐ NO ☒

If yes, what are they? _____

1. Provide a rationale for your request. (Explain, in detail, the need for this equipment.)

New California Gas Furnace Restrictions will force new installations of flameless furnaces to be necessary. These Flameless furnaces utilize Heat pump technology which is a reverse refrigeration cycle principal. Thus, we need to purchase a heat pump trainer to introduce students to this technology that will become essential in their career field. This trainer will enable our students to become more proficient and have up to date skills that would be required in the field to install, repair, and maintain these systems that will become the required system standards in California installations very soon.

2. Indicate how the content of the department/program's latest Efficacy Report and/or current EMP supports this request and how the request is tied to program planning. (*Directly reference the relevant information from your latest Efficacy Report and/or current EMP in your discussion.*)

Departments Goals and Plan as stated in the latest EMP includes acquiring the latest technology in the field so that the curriculum will be up to par with current industry standards and therefore to make the students more employable in this industry. Heat Pumps is that necessary training. Obtaining this trainer will expose the students to this important technology that will be utilized in most furnaces that are going to be required by the State of California to be installed in all new construction starting in 2021.

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

As stated above , since flameless furnaces will become a requirement in new installations in the state of California for heating systems, then this technology must be introduced and incorporated within our program in order to keep it current with most up to date industry standards.

4. Indicate any related costs (including any ongoing maintenance or updates) and department/program's plans to support those costs.

Initial warranty will cover the trainer but after that period ends, our department faculty and the students within their lab time will be able to repair and maintain the trainer system with minimal costs that can be bourn from the customary general funds and/or grant funds.

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

It is clear that not acquiring this trainer will make our program fall behind in terms of staying current with the latest industry and State requirements which will hamper its efficacy as well as depriving our students the opportunity to learn the most current technology needed for them to be successful in their career.