

**Facilities
NEEDS ASSESSMENT APPLICATION**

Facilities: Programs should list no more than three facility or renovation items. Identify the area in need of physical renovation, maintenance and/or repair. Requests for additional space should also be listed here. *Requests listed in this category will be forwarded to the Facilities Committee to evaluate through their own processes.* Provide a thorough rationale, **using data to support your request**, in order to help the Facilities Committee with their evaluation. List the approximate cost of your request.

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| Name of Person Submitting Request: | Todd Heibel |
| Program or Service Area: | Water Supply Technology (WST) |
| Division: | Science – The Science Division left Facilities requests unranked |
| Date of Last Program Efficacy: | Fall 2011 |
| What rating was given? | Continuation |
| Strategic Initiatives Addressed: | Access, Institutional Effectiveness, and Student Success |

1. Renovation Request

At present, the WST Department does not have a college-supported budget. The entire budget is funded through outside granting agencies. Without a stable, college-funded budget, the WST Department is at the mercy of off-campus funding sources, as well as only one full-time faculty who has little additional time to write and manage future and existing grants. Specifically, the WST Department needs to purchase copper pipe and sheet metal trays for four additional valve stations within the T 101 backflow-cross-connection laboratory. Currently, only six valve stations are available for hands-on student use. This means that up to four students must share each station. This diminishes the otherwise excellent learning opportunity provided within this laboratory environment. The copper pipe and sheet metal tray installation would allow for ten valve stations to be deployed and used within the T 101 laboratory. With this number of stations, only two to three students would need to share each valve setup, thereby improving student contact, comprehension, and learning.

From the Efficacy Report (p. 17): The department does not have a budget provided by the college. It depends on grant money to provide support services for the students. Without a budget, it is difficult for the department to sustain the growth and the quality of the program simultaneously. We will continue to seek grant funding to close the budget gap. We will also seek a budget from the college.

Very few community colleges offer courses in Water Technology, and Mount San Antonio and Citrus College shut down their water programs as a result of budget cuts. Students enrolled in the program commute from as far away as Palm Springs, Whittier, and Victorville (Efficacy Report, p. 8).

Approximate Cost: \$6,000, including parts and labor.

2. Renovation Request

Related to the copper pipe and sheet metal tray installation request for T 101, four additional (interactive) valve stations must be installed within the T 101 backflow-cross-connection laboratory. By increasing the total number of valve setup stations to ten, this will enhance the functionality and overall learning capacity of the T 101 classroom.

Approximate Cost: \$150 per valve station installation for a **total of \$600** (four stations).

3. Renovation Request

Approximate Cost: