

**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.

Name of Person Submitting Request:	Vanessa Engstrom
Program or Service Area:	Geography
Division:	Science Division – Facilities requests were not ranked.
Date of Last Program Efficacy:	Fall 2011
What rating was given?	Continuation
Strategic Initiatives Addressed:	Access, Campus Culture & Climate, Partnerships, Student Success, Institutional Effectiveness & Resource Management, and Technology

1. Renovation Request

Install Weather Station on Physical Science Building:

The department of Geography and GIS has a weather station capable of collecting weather data. In order for us to utilize this resource, it needs to be installed on the Physical Science Building roof. As part of the installation process, the station needs to be connected to a computer in PS 221. As stated in our Efficacy Report (page 6), the department of Geography wants to expand our field-based courses. Having students utilize real field data collected on campus, will help them to better understand concepts of weather and climate. The data collected by this weather station can also be posted on the San Bernardino Valley College website. This would help our department expand our recruitment for geography majors through outreach efforts with local schools (Efficacy Report, page 12). Additionally, this data once posted on the SBVC website, would provide a valuable service to the community and can be used as a teaching tool within local schools and as a resource to community citizens. San Bernardino Valley College is committed to an educational environment that utilizes state of the art technology. Having our own weather station broadcasting the data collect helps the geography department to implement this strategic initiative. Other departments across campus could also use this weather station, including Biology, Chemistry, Mathematics, and Physics and Astronomy. This sharing of campus resources furthers the strategic initiatives of campus culture and climate, as well as institutional effectiveness.

Approximate Cost:

While the SBVC Maintenance and Operations staff can install this weather station, supplies and labor are estimated to cost \$1,500. However, costs could increase as a result of wireless or hard-wired connection between the weather station and computer (to receive downloaded weather data). In this case, the Campus Technology Services must also be consulted.