

Monterey Peninsula College
Regional Economic Recovery Work Plan
Project Proposals
March 30, 2009

(For inclusion in Section II - Stimulus Funds for Other Infrastructure)

Controlled wireless networking – \$102,881

The future of networking is in wireless computing and communications. Students today expect to have this resource available for learning and communicating in a college setting. This project will allow more students and community members to access the MPC network resources while the wireless controller protects those network resources from unwelcome or harmful intrusion.

A. Project Readiness

Design for the project is currently underway. The first phase of the work started earlier this year but expected funding was needed to proceed with the full project. The project will take 4 months to complete due to phasing of the work around the campus calendar. Total installation time is 4 - 5 weeks. MPC would use bond funds to complete this project if it goes longer than the time frame and/or goes over any stimulus funding provided.

B. Potential for Near Term Jobs Creation

Installation will cost \$18,000, while equipment will cost \$84,881. The wages associated with the manufacture of the equipment are estimated at approximately 25% of total cost, or \$21,220, for jobs creation worth \$39,220.

C. Long-term Regional Economic Benefits

MPC students, in having greater access to higher education learning, training and innovative technologies, will potentially become more productive citizens of Monterey County. Many of our County citizens partake of educational opportunities as life-long learners and become more informed community participants, are able to learn new employable skills, and expand their horizons with access to our learning resources. MPC's educational resources and Library are available to all community members and not just enrolled students. Adding wireless networking greatly improves access.

D. Environmental Stewardship

The wireless controller, as proposed in this plan, can analyze a site to determine the fade margin in order to implement cost, energy, and quality measures such as lowering the power in a proposed site or lowering the number of sites required in a specific area.

E. Opportunity to leverage other investments impacted by the project

This project is a continuation of a long term infrastructure project that has spent over \$21 Million upgrading MPC utilities. It is an opportunity to upgrade electronic technology to support our network growth and to expand our broadband resources.

F. The proposed project is achievable without major legislation or significant new resources except from stimulus funds.

BUDGET:

Equipment

Controllers, etc.: \$27,881

Access Points: 120 @ \$475 = \$57,000

Installation

Wiring and installation 120 @ \$150 = \$18,000