

To: Lawrence Frederick
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Subject: Co-Location Service Review

In September 2001 OIT implemented a Co-Location Service for departmentally owned server class hardware to be housed within the OIT Data Center. The fee charged to departments for this service is \$500. The program has been a great success with 38 servers co-located.

The current cost for OIT to co-locate a server in the Data Center is \$2,177 one time and \$929 on-going per server. The current estimated cost for a department to appropriately house a server is \$3,540 one time and \$2,625 on-going. Some of the larger costs to departments are UPS purchase, power installation, backup tapes and maintenance. As the small server class technology changes, costs will continue to rise for departmental hosting relative to central co-location.

The cost for a department to hire, train, and support one departmental server is likely greater than OIT's cost to hire train and support 30. Additionally, departments that do not utilize co-location service assume several risks. Servers may not be appropriately patched, backed up, or monitored 24X7. Department housed servers typically have a minimal UPS with no generator and often house confidential data that might put student, staff, and faculty privacy at risk. Failed servers may also risk disruption of classroom instruction. They often have one physical drive without any redundant drives for immediate failover.

While we do not believe the departments can cover the entire co-location cost, OIT proposes an increase in the Co-Lo Fee from \$500 to \$1,000 and an annual maintenance fee of \$500 which is based on the average server. The remaining costs will be subsidized by Pacific general fund to minimize all risks associated with these servers. We also propose that all co-located servers will be required to house all data on the NetApp Filer.