The Student Technology Fee at the University of Nevada, Reno has been utilized for the maintenance and use of state-of-the-art information technology for the purpose of supporting and enhancing student learning. A major emphasis of the residential life program is in support of student academic success, and WiFi and Ethernet access is a critical factor in that regard.

The initial cabling for computing in the residence halls was completed as part of a joint project between the residence halls and the campus. All new residence hall construction since Canada Hall in 1993 has included cabling, with WiFi installation included in construction at The Nevada Living Learning Community and Peavine Halls. Housing construction costs are paid solely by current and future residence hall students.

Only 57.41% of residents this past fall feel that WiFi provided in the residence halls meets their academic needs. 3 residence halls (Sierra, Nye and Canada) reported satisfaction rates less than 40%.

Although WiFi infrastructure is funded by Housing/residence hall students in all new construction, it is critical that we identify an ongoing funding source to assist with the costs to sustain WiFi upgrades in the future. While residence hall students pay the same tech fee as other students, they tend to utilize WiFi outside of classes primarily in the halls instead of the student union or other campus locations. It is proposed that a pro-rated portion of the student technology fee be earmarked for updating/enhancing the infrastructure in the residence halls, enabling access point/server/cabling replacement, etc. The proration would be based upon the number of residence hall students compared to the total undergraduate FTE. It is estimated that residence hall students contributed approximately $388,000* toward the tech fee this academic year. The projected average annual cost to maintain residence hall WiFi to the metrics set by campus IT is $160,000 after a substantial investment to upgrade the existing WiFi in many of our buildings to the current metric.

Projected Timeline:

Summer 2017
Nye Hall  Additional WAPS/switch replacement  $250,000

Summer 2018
Sierra Hall  Additional WAPS  to be determined
Canada Hall  Complete wire/jack upgrades  $105,000

Summer 2019
Argenta Hall  Additional WAPS and Ethernet ports  to be determined
Juniper Hall  Additional WAPS  to be determined

*2740 students in the fall, 2659 students in the spring, assumes approximately 12 credits @ $6 per credit per semester

Department of Residential Life,
Housing and Food Service / 060
Reno, Nevada 89557-0060
(775) 784-1113 office
(775) 784-1149 fax
www.reslife.unr.edu
Our Department has provided computing cabling in all residence halls since Canada Hall in 1993, and included WiFi in recent construction projects, as well.

Increasing concern over WiFi meeting student expectations for their academic needs

- In our recent assessment, only 57.41% of res hall students felt that WiFi met their academic needs.
- 3 halls, Sierra, Nye and Canada reported satisfaction less than 40%

In recent years, we have

- Upgraded the computing backbone in 3 residence halls $213k
- Upgraded WAPS at Canada and one floor of Argenta ($99k)

Upcoming projects include

Summer 2017

<table>
<thead>
<tr>
<th>Hall</th>
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It is critical that we identify a sustainable funding source to sustain computing upgrades in the future.

Which brings us to the Tech Fee:

- Residence hall students feel that they do not benefit as much as other students on campus
- The vast majority of their computing occurs while in the residence halls, not the student union or classroom buildings

We would like consideration for a portion of the tech fee paid by res hall students to be available for updating/enhancing the infrastructure in the res halls

- Access point, server cabling, etc.