



LARAMIE COUNTY
COMMUNITY COLLEGE
Cheyenne ♦ Laramie ♦ Pine Bluffs

MEMORANDUM

TO: Members of the Board of Trustees

FROM: Dr. Joe Schaffer, President

DATE: August 17, 2016

SUBJECT: Recommendation for Authorization to Expend Funds for Upgrade of Residence Halls' Wi-Fi

LCCC is seeking to improve the student residence hall experience by expanding the Wi-Fi, wireless, connectivity in the residence halls. In May 2016 we engaged consulting services from Venture Technologies to perform a site evaluation of the current Wi-Fi coverage for the residence halls. The consultant's recommendations included updating equipment as well as adding additional wireless access points throughout the residence halls. To implement these recommendations, we need to expend up to \$95,892 from Auxiliary and Technology Fee fund balances.

I am therefore recommending that the Board of Trustees authorizes the expenditure of funds for the Residence Halls' Wi-Fi for up to \$95,892, the funds for which will come from Auxiliary and Technology Fee fund balances.

Staff Recommendation:

That the Board of Trustees authorizes the expenditure of up to \$95,892 for upgrading Wi-Fi access in the residence halls with funding to come from Auxiliary and Technology Fee fund balances.

Residence Hall Wireless and Bandwidth Improvement Project

August 10, 2016

One-Time Charges											
Description	West Hall		North and East Hall		Both Resident Halls		TIF (ITS)		Project Total		
	Low Estimate	High Estimate	Low Estimate	High Estimate	Low Estimate	High Estimate	Low Estimate	High Estimate	Low Estimate	High Estimate	
Equipment	\$ 28,805	\$ 30,821	\$ 11,396	\$ 12,194	\$ 9,489	\$ 10,154	\$ 31,929	\$ 34,164	\$ 81,619	\$ 87,332	
Labor	\$ 6,000	\$ 8,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,000	\$ 8,000	
Install - 1 GB Connection	\$ -	\$ -	\$ -	\$ -	\$ 2,000	\$ 2,000	\$ -	\$ -	\$ 2,000	\$ 2,000	
Total	\$ 34,805	\$ 37,241	\$ 11,396	\$ 12,194	\$ 11,489	\$ 12,294	\$ 31,929	\$ 34,164	\$ 89,619	\$ 95,892	

Project Funding Area	Low Estimate	High Estimate
Residence Hall Total	\$ 57,690	\$ 61,729
TIF (ITS) Total	\$ 31,929	\$ 34,164
Total	\$ 89,619	\$ 95,892

Re-Occurring Charges	
Both Resident Halls	
Monthly - 1 GB Connection	\$ 750

Notes:

1. December 2015 - Reduced monthly broadband charge from \$4,490 to \$1,190, saving \$3,300 per month for the 20 MB connection for Residence Halls.
2. February 2016 - Moved North and East residence halls internet connections and all residence hall internet traffic to College's 1GB connection and increased speeds to 200 MB, 10 times the previous bandwidth.
3. May 2016 - Consulted for Wireless connectivity survey for residence halls. Above pricing is based on consultant recommendation to improve wireless connectivity in West, North and East halls.
4. July 2016 - Ordered dedicated 1 GB connection through State of Wyoming for all residence hall traffic. This will eliminate \$1,190 monthly charge and will be replaced with \$750 monthly charge, with an additional \$2,000 one-time service connection fee. This will save \$440/month and provide another 5 times the current bandwidth. Installation will be completed less than 90 days from order date in late July.
5. August 2016 - Present to the Board the proposal to improve and increase wireless and bandwidth connectivity in the residence halls. Most of the upgrades (\$57,690 - \$61,729) and monthly re-occurring (\$750/month) expenses will be funded through residence hall funds and the remaining expenses will be funded through Technology Infrastructure Fees (TIF) through ITS (\$31,929 - \$34,164).