

University Technology Fee Advisory Board

Agenda – March 28, 2017 / 4:00PM

Library Room 203

2016-2017 Officers:

Adam Lynch, Chair

Blaire MacNeill, Vice Chair

Krissy Wegen, Secretary

Attendance: Adam Lynch, Chair, CNS; Krissy Wegen, Secretary, ASCSU; McKenzie Fulcer, CVMBS; Blaire MacNeill, Vice Chair, CVMBS; Cody Hernandez, ULC; Edgar Cedillo, ULC; Nolan Bunting, CNS; Nicole Ramo, GSC; Chris Schamberg, GSC; Casey Franklin, WCNR; Jason Huitt, ACNS; Scott Baily, ACNS

- I. Call to Order & Introductions
 - a. Approval of Minutes from March 7, 2017 Meeting
 - i. Minutes approved by unanimous consent
 - b. Approval of Minutes from March 21, 2017 Meeting
 - i. Minutes approved by unanimous consent
- II. Presentations
 - a. Wireless Network FY18 Request – Greg Redder, ACNS
 - i. Current status and usage
 1. Wireless traffic – Mostly consumers of internet traffic
 - a. 3GBits / second of traffic coming in each day
 - b. Provide internet service to the city of Fort Collins, Larimer County, Hospital etc. - total traffic is about 10 GBits / second
 2. Device Types used - majority
 - a. iPhone
 - b. OS X
 - c. Windows
 3. Wireless represents nearly 1/3 of all traffic into CSU
 4. 20,000 systems mid-day
 - ii. Construction – Devices, Aruba
 1. New medical center – 58 APs
 2. New stadium – 128 APs (CSU, not counting 5Bars: ~250 APs)
 - a. General assignment classes going into the stadium
 - b. Access points bought by funding not the students
 3. New Biology – 64 APs
 4. New Chemistry – 34 APs
 - iii. Technology
 1. Waves - Wave 1 vs Wave 2
 - a. Wider "highway"

- i. Good for general classrooms
 - b. More "conversations" - conversations between devices
 - i. Device <-> access points
 - ii. Device <-> multiple access points
- iv. Installs
 - 1. New routers
 - a. Wireless routers were End of Life and seeing some "stress" - installed during Spring Break – so far so good
 - 2. Sculpture garden in progress (UTFAB/LSC funding)
 - 3. Intramural fields at Rec Center – funded by Rec Center (only Rec Center networks)
 - 4. Network address translation
- v. Budget
 - 1. Needed the additional funding for routers – moved funding out of other areas
 - 2. \$35,807 remaining of December plan presented
 - 3. Use ~\$12K at TILT
- vi. Building updates
 - 1. FY18 – work through half of the buildings for updates
 - 2. FY19 – work through other half of the buildings
- vii. Remainder of "the plan"
 - 1. Priority 1: Latest technology in GA classrooms
 - a. All GA buildings are in Wave 1 or better
 - 2. Priority 2: Extend best available technology to GA classrooms
- viii. Necessary Expenditures
 - 1. FTE - \$61K
 - 2. Purchases and install ~300 new Aruba APs - \$215K
 - 3. Purchase and install Xirrus APs - \$110K
 - 4. Labor - \$5K
 - 5. Maintenance - \$40K
 - 6. Outreach - \$1,250
 - a. Total \$432,250K
- ix. Security
 - 1. Finding attackers
 - 2. Finding compromised machines
 - 3. Better lodging
 - a. Total ~\$50K
- x. Opportunities
 - 1. Other outdoor areas
 - 2. Wayfinding
 - 3. Voice over WiFi
 - a. Using WiFi to make calls versus using minutes on a data plan
- xi. FY18 Funding Request
 - 1. Total - \$482,250

- a. Less than last year
- b. Includes the security - \$50K
- xii. Reviewed UTFAB requirements

Question: clarify wayfinding. *Answer:* many uses for wayfinding, they will use it in the stadium to determine bathroom lines, ordering food, etc.

Question: is there any legislature in place regarding the usage of that in regards to security? *Answer:* it's more about protecting you and your device, there's always a concern but there are several levels of security. It would have to go through the legal affairs in order to pull up logs. The wireless network is encrypted, we can't see what you're doing individually. Privacy is always the upmost concern, whenever we have a decision to make security is the most considered factor. Every ACNS employee has access to the information but all sign a confidentiality agreement.

Question: who is CSU's internet provider, in regards to the issue with providers selling search information? *Answer:* CSU isn't in the service provider that is apart of those activities. All they can tell is someone from CSU connected to a specific site. They would have to go through ACNS to find out the individual.

- b. CSS / Lecture Capture Update – Al Powell, ACNS/CSU Online
 - i. FY17 Re-allocation request
 - 1. Lecture capture FY17 budget has \$20,588 remaining
 - a. CSU needs 10 Echo recorders in FY18; also need spares to replace old Echo units still in service
 - b. Echo has a sale going on
 - 2. Reallocation request – reallocate FY17 \$20,588 for purchasd of 10 Echo pods but plus 2 free
 - ii. Echo FY18 Costs
 - 1. Echo license - \$96,400
 - 2. ACNS virtual server - \$7,560
 - 3. **Total - \$105,270**
 - 4. Echo reorder installation costs are covered by FY17 reallocation
 - iii. Lecture Capture- cost sharing
 - 1. Funding sources:
 - a. UTFAB
 - b. CSU Online
 - c. CSU Colleges (3)
 - 2. Working towards requesting other colleges to contribute
 - iv. Proposed cost split
 - 1. **UTFAB request - \$53,000**
 - 2. CSU Online - \$39,628
 - a. Installation kits (10) - \$1,310
 - 3. CSU colleges - \$11,332
 - 4. **Total - \$105,270**

Question: can you remind me what the request was last year? *Answer:* \$73K, includes some budget that rolled over from the previous year.

Question: that \$53K does not include the \$20K you have left over from this year? *Answer:* Correct, the total spent from UTFAB would be around \$73K. The \$53K is a request for this next fiscal year.

Question: did we discuss last time where we were going to reallocate those funds? *Answer:* I was unaware of the left over funds, so we did not discuss a reallocation last time I was here.

Comment on Echo's buy five get one free deal: "Holla fo' a dolla." - Casey, Warner College of Natural Resources

III. Old Business

- a. Legitimacy Votes
 - i. Classroom Support Services FY18 Proposal
 - 1. Pushing classroom support to next meeting
 - ii. Lecture Capture FY18 Proposal
 - 1. Lecture Capture voted as legitimate by unanimous vote
 - iii. Wireless Networking Update
 - 1. "PAPER IS THE NEXT BIG THING" – Blair, Vice Chair
 - a. Discussion on if wireless is even used on campus
 - i. Blair believes will we revert back to the old times
 - 2. Wireless Networking voted as legitimate by unanimous vote

IV. New Business

- a. Bylaws Amendments
 - i. Pushed forward to another meeting
- b. SFRB Presentation Next Monday – 5PM, LSC 308-310
 - i. Anyone can be of attendance

V. Next Meeting: Tuesday April 4, 2017 @ 4:00PM, Library Room 203

- a. Supplemental Proposals
- b. Bylaws Update

VI. Adjourn

Spring 2017 Upcoming Meetings (4PM Tuesdays, Library 203):

2-14 - Supplemental Proposals

2-21 - Office 365 FY18 Presentation / Network Switch Upgrade Briefing

2-28 - SIS FY18 Presentation

3-7 - Classroom Support Services & Lecture Capture FY18 Presentations

3-14 - No Meeting - Spring Break

3-21 - Library FY18 Presentation

3-28 - Wireless Networking FY18 Presentation

4-3 - SFRB FY18 Presentation - LSC 308-310 @ 5PM

4-4 – Course Surveys / Scott Engineering Lecture Capture Supplementals

4-11 – Bylaws Amendments / FY18 Fee Package Discussion

4-18 - TBD

4-25 - TBD

5-2 - End of Year Celebration