# Communication Technologies Advisory Group

# April 7, 2016

# **Welcome**

## CATV -

**MDFs**

* CMDF - designing add’l HVAC redundancy

**Infrastructure Records**

* Outside plant fiber inventory in progress
* Wireless maps development in progress (164/201 buildings loaded) – public interface in planning
* 256 buildings (42,200 outlets) in PLA ground.

**Building Infrastructure Projects**

* DH Hill, Cox, Daniels, CFL, Syme, Bragaw under construction
* MRC in design
* Winston/Caldwell/Thompkins, Gardner/Bostian/Phytotron, Biltmore/Robertson, CVM Main on list for next year

**UPS -** Next round starts in fall.

**Campus Backbone**

* Migration of active campus backbone circuits away from Cox BDF was successfully completed. (28 backbone circuits, 7 building circuits).
* Reboot of backbone routers completed on April 3rd for PCI compliance.
* Centrex Replacement NMDF (summer construction), SMDF (design)

**Data Center**

* DC extended maintenance successfully concluded on April 3rd.
* Looking at additional maintenance dates over the Summer since our next extended maintenance window is not until August.
  + June 12th 1AM - 1PM infrastructure maintenance in DC (not final yet)
  + May need to perform maintenance on N7Ks soon when Cisco releases a critical set of vulnerability patches.
* Data Center 3 planning, studying alternate routes to CVM
* Facilities gap analysis in progress

**Access Layer**

* Building upgrades - full CALA - appr. $2.5M planned for FY16/17
* Current projects - Student Health, Park Shops
* IOS upgrades continue in coming weeks
* Installation of ASR 920 routers in routed locations over next several months - deployment has been successfully completed in EB2 and Hunt Library.

**Bluelights -** Working on comprehensive long-term plan.

* Full time Blue Light Tech - Will Steinbrecher.
* Installing two solar powered stanchions for other locations
  + Installed and working

**Cellular/mobile** – Verizon/Spidercloud pilot - Williams, Scott, Riddick - construction in progress, campus-wide agreement in the works

**IT Strategic Planning**

**Budget**

* Planning for 16/17 underway
* Awaiting final word from budget office regarding increase
* Access layer for compliance a priority for next 3 years ($7.7M need, $4M budget)

**Unified Communications**

* UNCG and App State Updates
* Centrex Replacement (NMDF & SMDF)
* MySoft Replacement -- PCR360
* Video Conferencing - Expressway, room systems
* 8 Callmanager nodes moved to VM, Voice Mail to move end of April

## Wireless

* Talley phase 2, Hillsborough Bldg. test bed, Method/Miller Fields
* Classroom wireless - maps need to be updated/changed to reflect new ratio of 1:40 instead of 1:25
* Residence Hall full wireless – summers of 2016 and 2017
* EDUROAM (secure SSID )
  + Goal is to eventually transition as many stakeholders as possible to use this SSID
  + Need to “beef up” documentation - particularly around trouble-shooting
* New Wireless Engineer to start May 9

### Parking Lot Items

* Routing licenses at the BDF level – when and how much should occupants pay? Interim solution is 50/50 when “desired”, ComTech funds when required
* “virtual data center” – what is it and who pays
* Funding for server rooms, higher capacity (10Gbs ports), etc.

## Upcoming Meeting Dates

* Next CTAG Meeting – 5/5 9:30, AFTC 106