# Communication Technologies Advisory Group

# June 2, 2016

# **Welcome**

## CATV -

**MDFs**

* CMDF - designing add’l HVAC redundancy

**Infrastructure Records**

* Outside plant fiber inventory in progress
* Wireless maps development in progress (183/201 buildings loaded) – public interface in planning (maybe August?)
* 256 buildings (41,700 outlets) in PLA ground.

**Building Infrastructure Projects**

* DH Hill, Cox - substantially complete
* Daniels, , MRC, CFL, Syme, Bragaw under construction
* Winston/Caldwell/Tompkins, Gardner/Bostian/Phytotron, CVM Main in design

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

**Campus Backbone**

* Centrex Replacement NMDF (under construction), SMDF (design)
* Backbone IOS maintenance will be required this Summer date TBD

**Data Center**

* DC maintenance June 12th 1AM - 1PM.
  + NX-OS switch maintenance
* Data Center 3 planning, studying alternate routes to CVM
* Facilities gap analysis draft complete

**Access Layer**

* [Building upgrades](https://docs.google.com/spreadsheets/d/1ujixXQNwc8CqxNrdQX4X-NGJl8yM--j5WP_xMsDgzrY/edit#gid=1140656333) - full CALA - appr. $2.5M planned for FY16/17
* Access layer IOS upgrades to start in the next week or two
* Current projects - Student Health, Park Shops
* Installation of ASR 920 routers to start over the Summer in routed buildings: Talley, Campus Police, Talley Student Center, OSCAR Lab

**Bluelights -** Metrics Update

**Cellular/mobile** – Verizon/Spidercloud pilot - Williams, Scott, Riddick - shooting for go-live start of Fall semester, campus-wide agreement in the works

**IT Strategic Planning**

**Budget**

* Primary focus for 16/17 will be upgrades to aging access layer
* Access layer for compliance a priority for next 3 years ($7.7M need, $4M budget)
* 10% increase each of the next 3 years to close the gap

**Unified Communications**

* UNCG and App State Updates
* Centrex Replacement (NMDF & SMDF)
* MySoft Replacement -- PCR360
* Split View DNS -- Jabber Mobile and Remote Access
* Network Monitor Tools Developer -- Clayton Maxwell

## Wireless

* Talley phase 2 (construction), Hillsborough Bldg. test bed (design)
* Classroom wireless - maps need to be updated/changed to reflect new ratio of 1:40 instead of 1:25
* Residence Hall full wireless – phase 1 under construction
* 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 started May 9 - William Cummings

### 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 – 7/7 9:30, AFTC 106