Cornell University

IT@Cornell

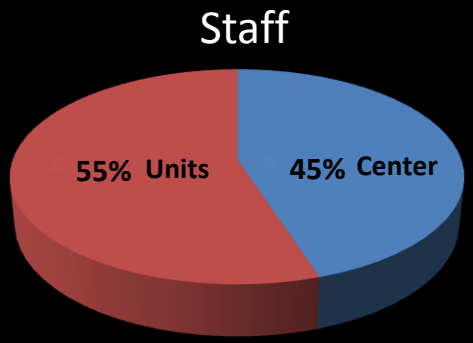
Developing a Strategic Plan for Information Technology

Presented to Faculty Senate

Ted Dodds
CIO and VP
Cornell University
Wednesday, March 13, 2013

IT@Cornell is…

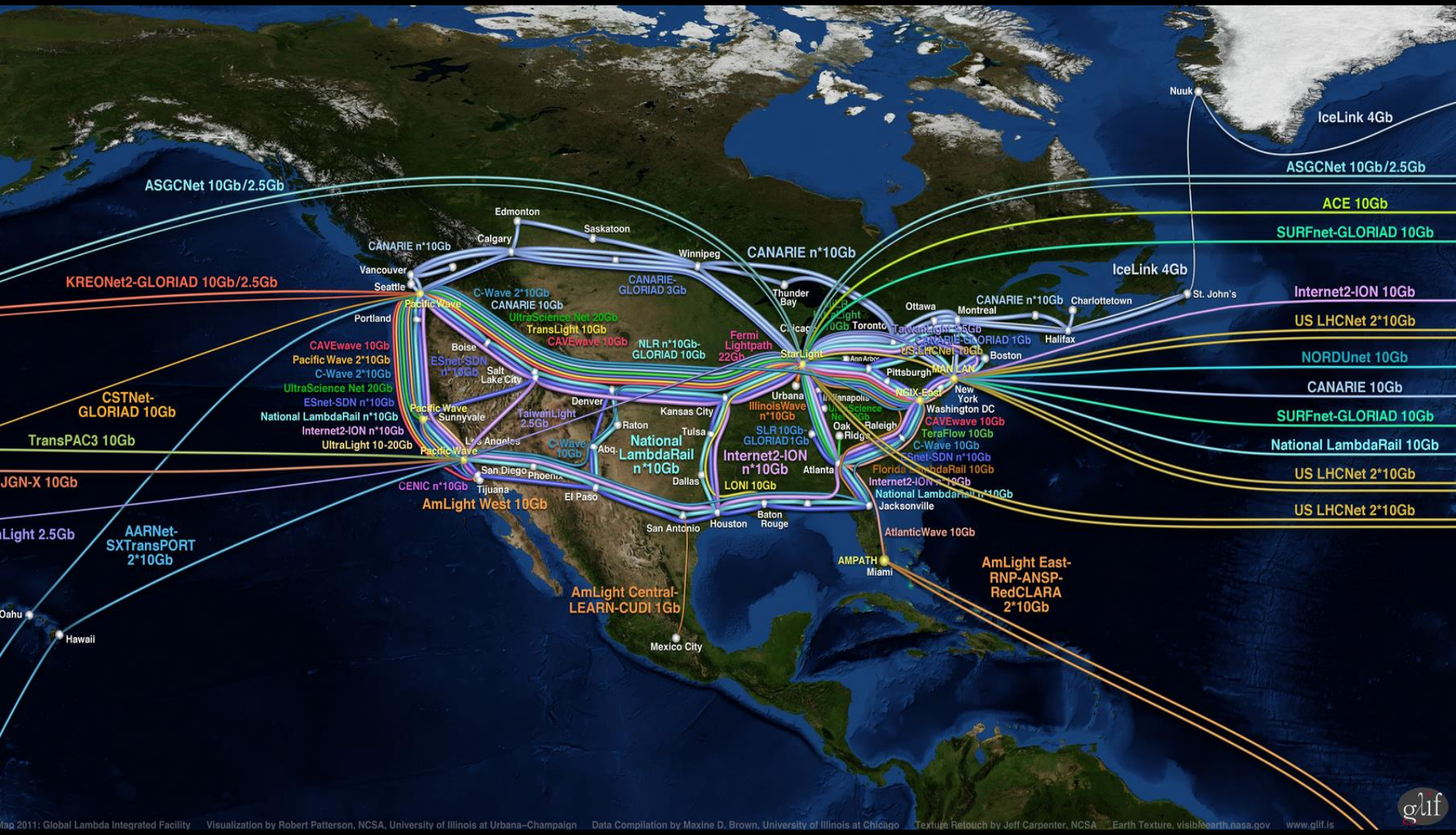
- A community
  - 750+ IT staff
  - 45% center, 55% colleges and units
- An investment
  - $100M+ annual expenditures



IT@Cornell is…Infrastructure

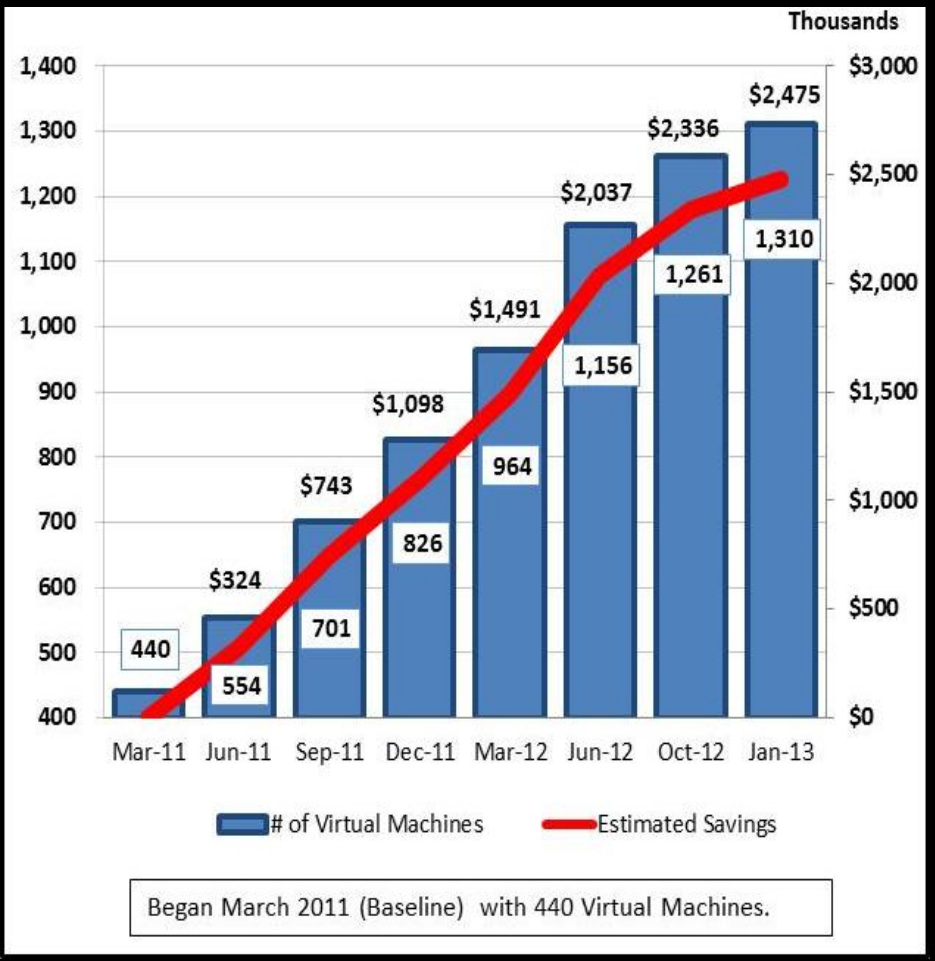
- **Network**
  - 28,000 active network ports
- **Wi-Fi**
  - 3,800 Access Points in 200 Buildings
  - 39,000 people using 103,000 devices
- **Web**
  - 1,500 web sites, 9.5M hits/day
- **Email**
  - 24,000 faculty and staff now use Office 365
  - 21,000 students use Google mail
  - 83,000 alumni use mail forwarding to cornell.edu address
  - 2M incoming messages/day, 70% blocked for spam / virus
  - 1.5M outgoing e-mail messages sent per day

IT@Cornell is…Global Connectivity

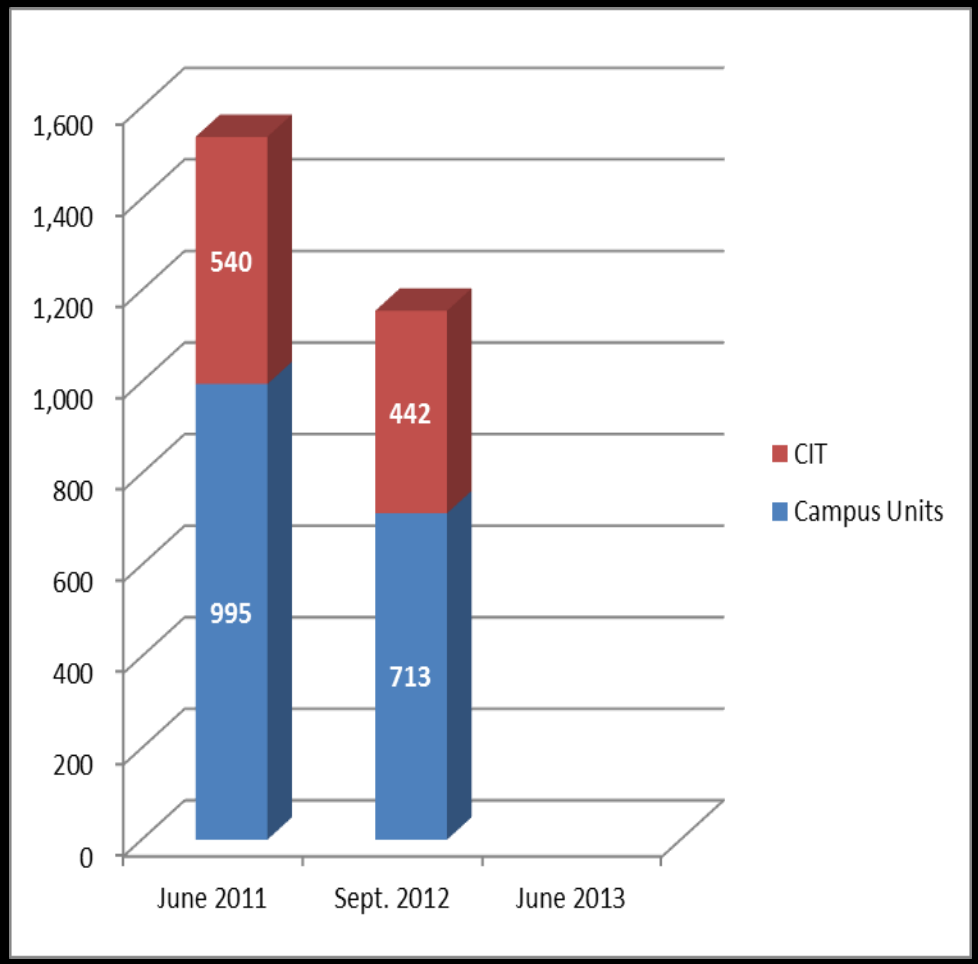


IT@Cornell is…Virtual Infrastructure

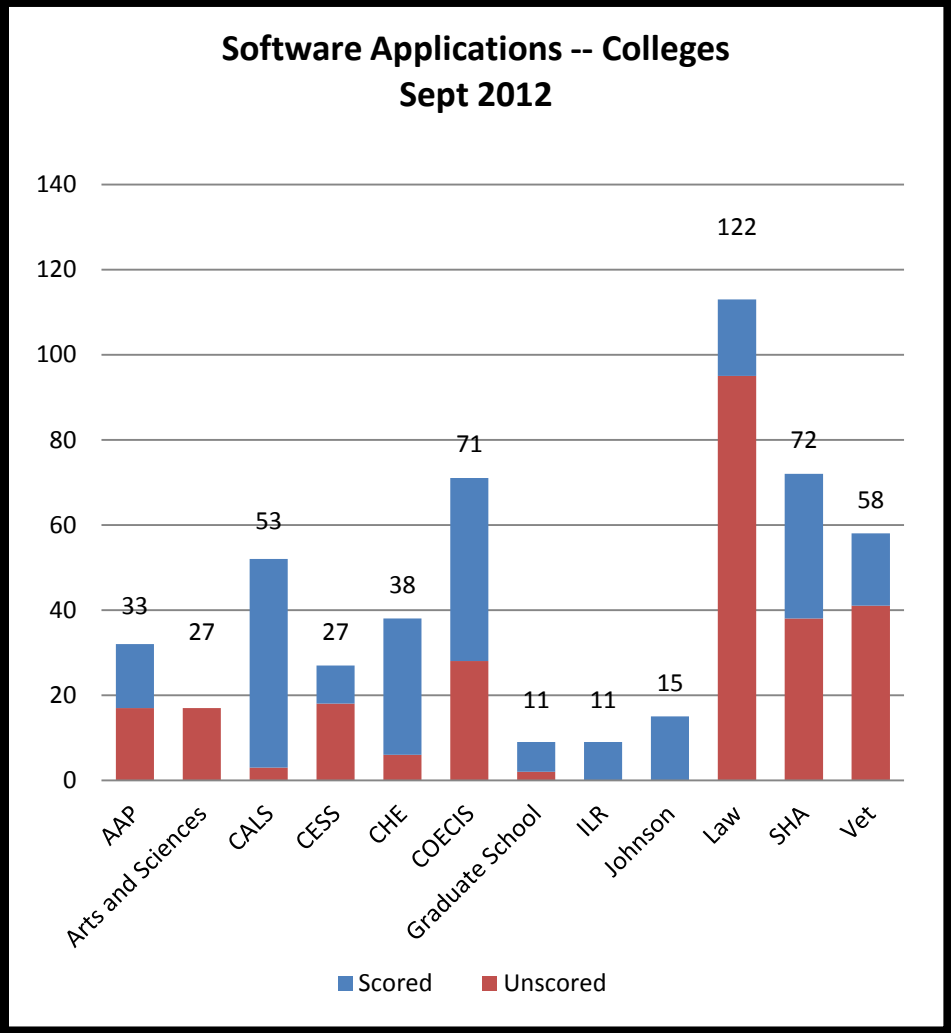
Cumulative Number of Virtual Machines and Estimated Savings

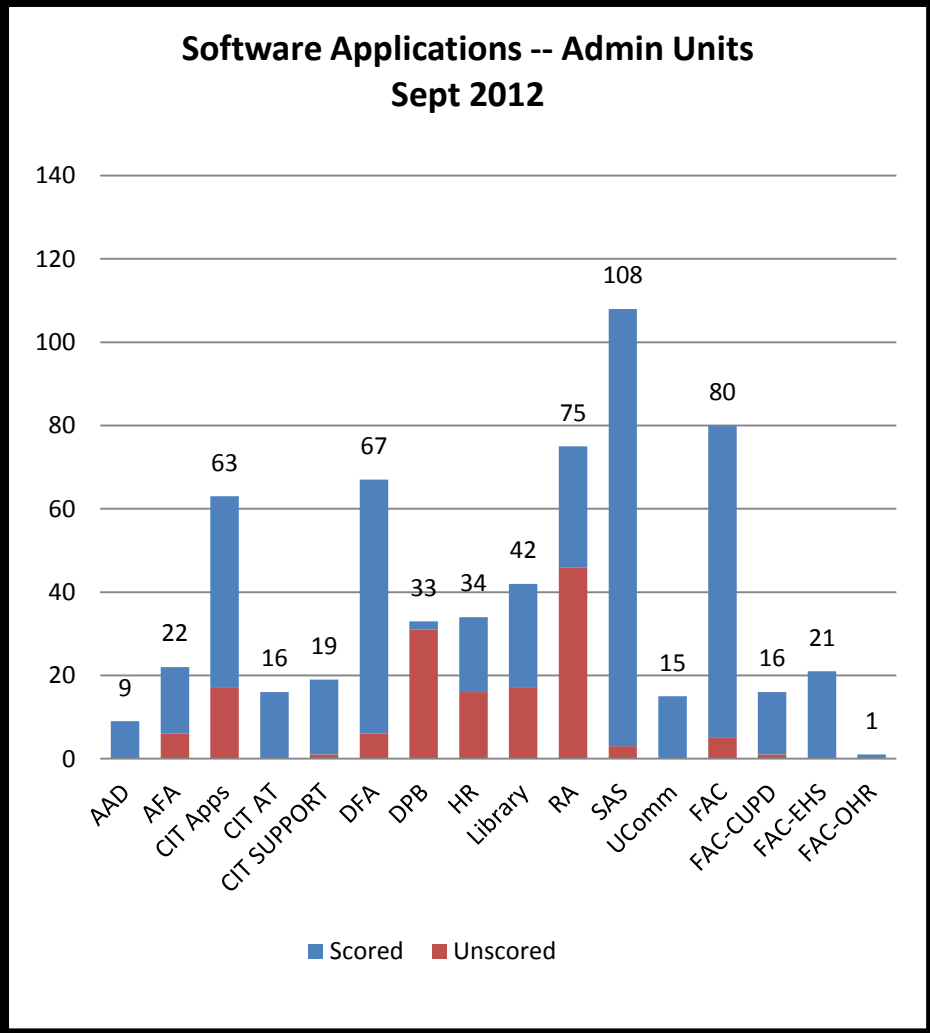


Total Number of Physical Servers as of September 2012

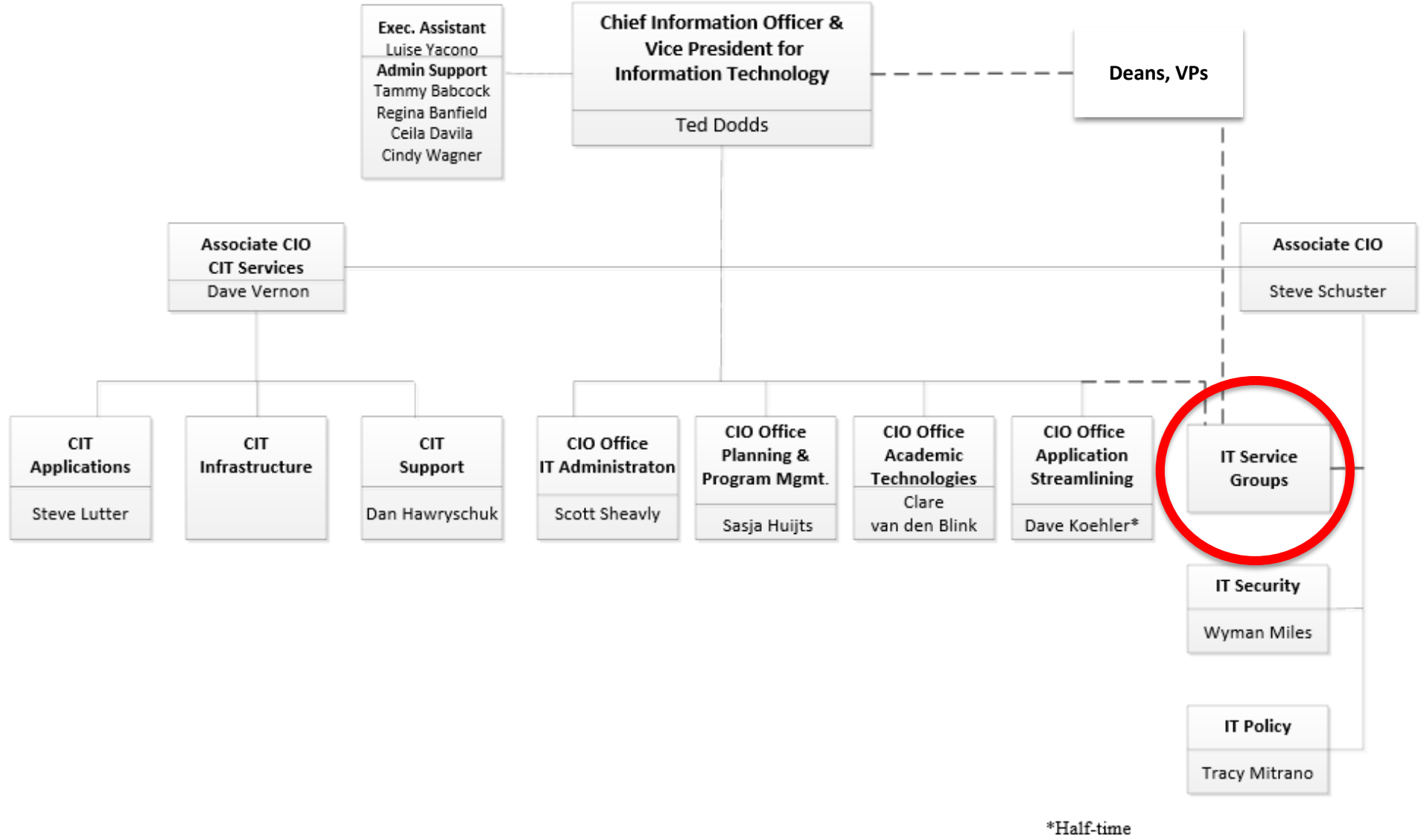


IT@Cornell is…1,100+ Software Applications





IT@Cornell is…a community

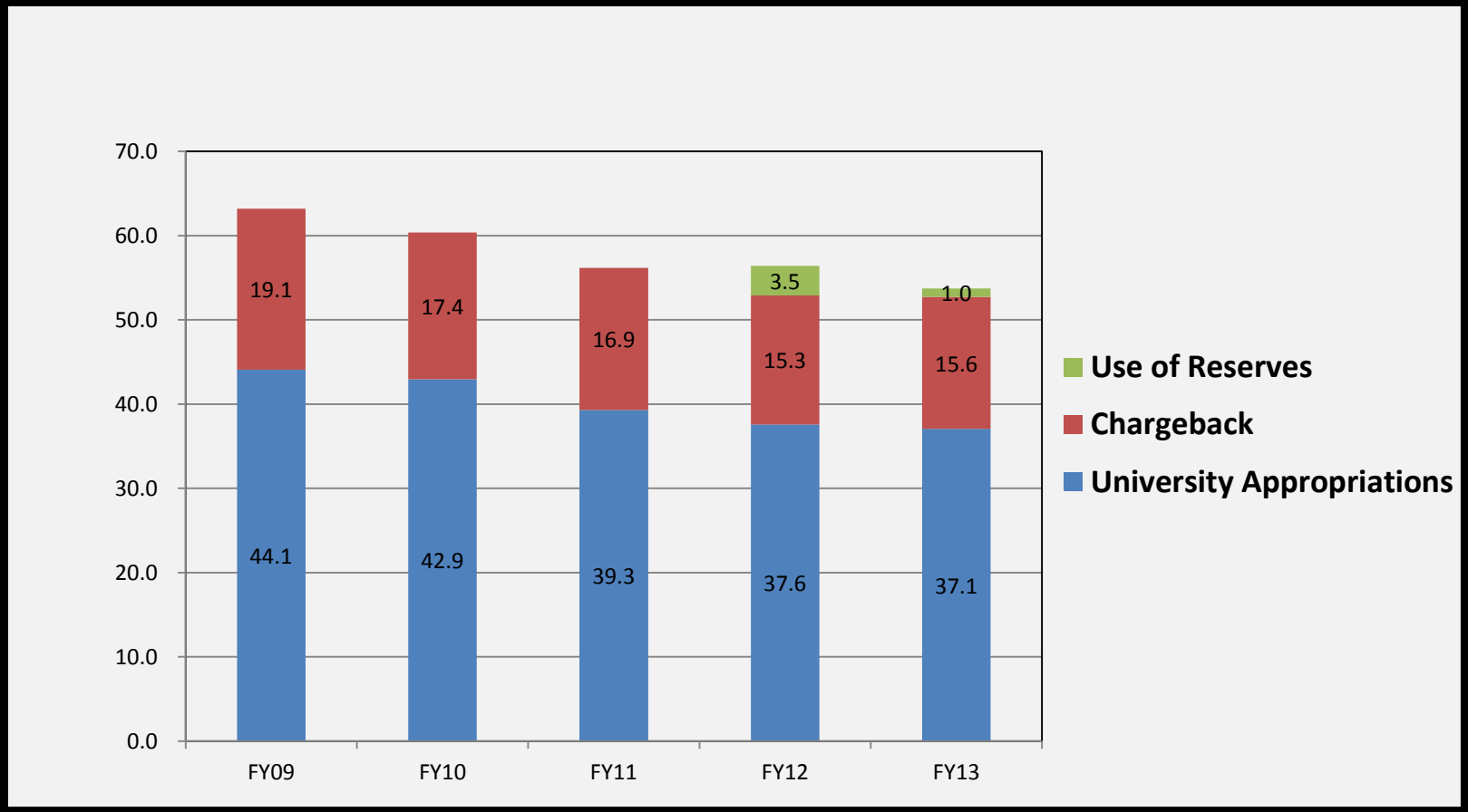


Central IT
FY13 Operating Budget

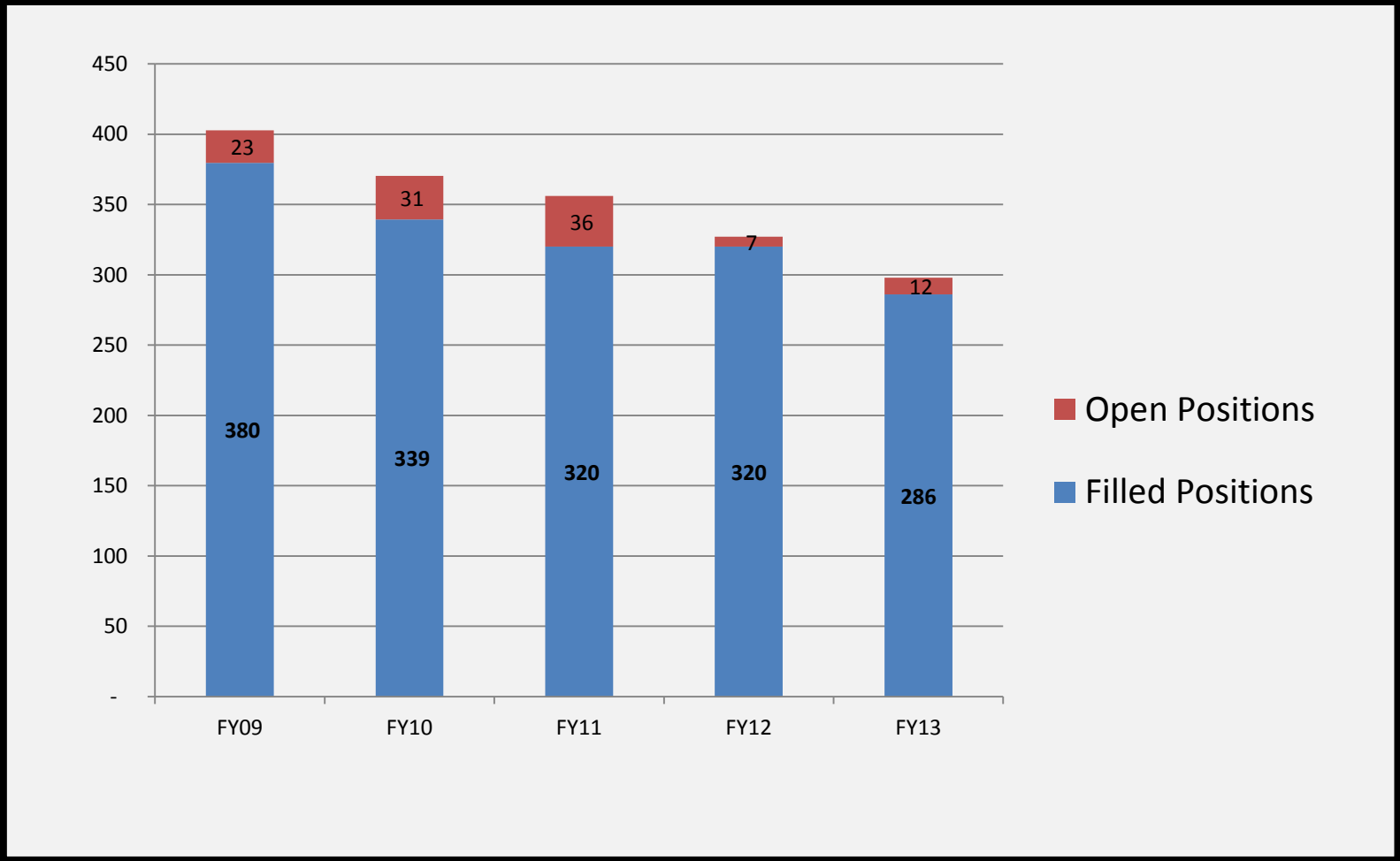
Academic Technologies (17 FTE, $2.6M)	**Applications (82 FTE, $11.8M)**	**Support (93 FTE, $12.7M)**	**Infrastructure (49 FTE, $18.1M)**
Faculty Outreach, Instructional Labs, Course Technologies, Instructional Design and Support	Development and maintenance of administrative applications (HR/payroll, Student, Finance, etc.)	IT Service Desk, Training, Services Provisioning, Voice Services, Desktop Management, Identity Management, Audio Visual Engineering, and E-mail Support	Data Network Infrastructure, Data Center Management, Storage and Backup
IT Security, Desktop Support, Policy, and Campus Outreach (17 FTE, $2.5M)			
Business Analysis, Planning, and Project Management (25 FTE, $2.9M)			
CIO Office, Administration, and Facilities (16 FTE, $3.0M)			

(298 FTE, $53.6M)

Central IT
Funding FY09-FY13 ($M)

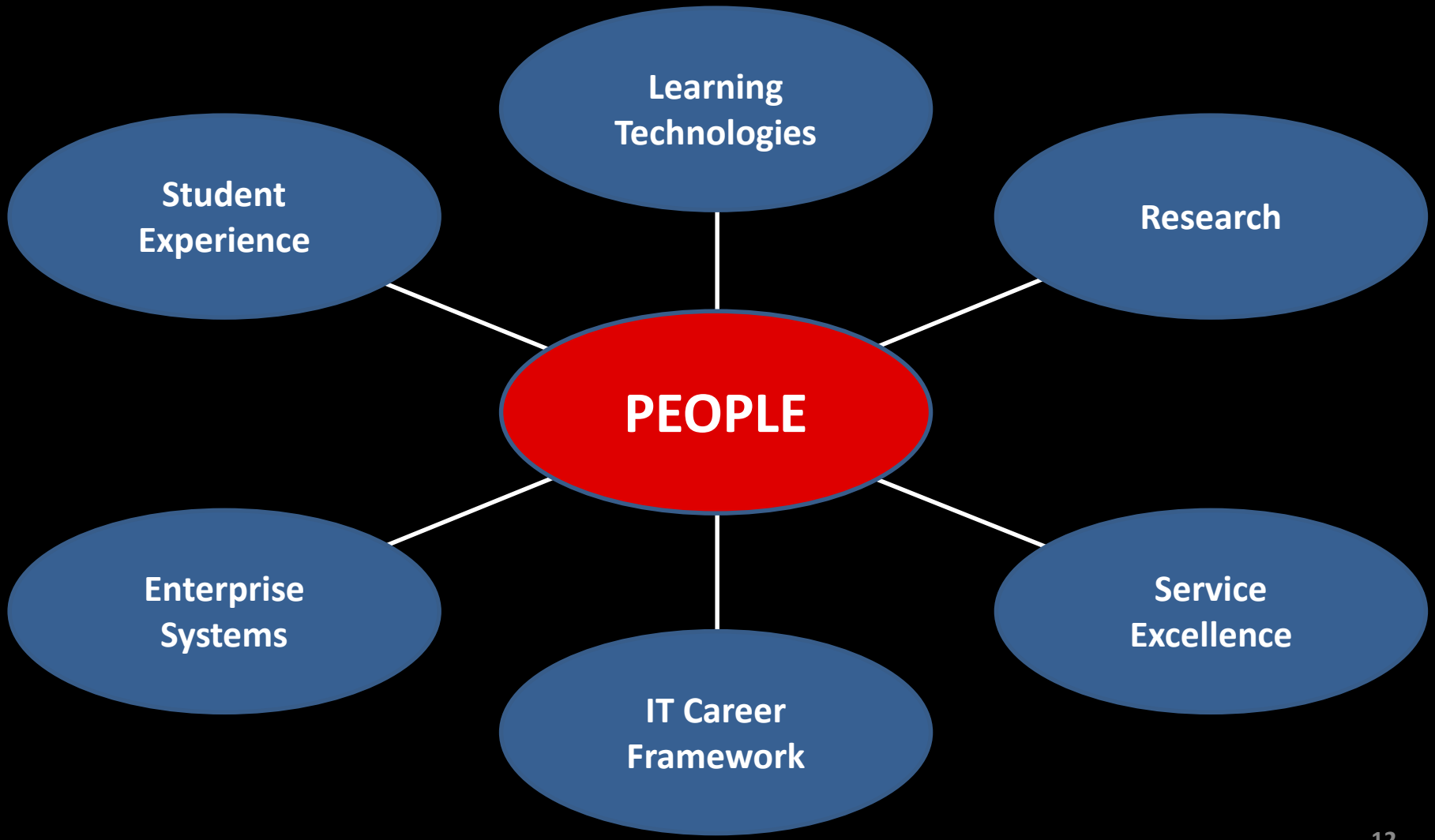


Central IT
FTE Staff, FY09 – FY13



Technology
Instructional
Data
Worlds
Tablets
Personal
Initiative
SmartGrid
media
Apps
Distance
Virtual
Mobile
Resources
aware
Location
classroom
Consumerization
data
Learning
eTexts
Gesture-based
learning
Touch
Cyberinfrastructure
objects
Virtualization
Google
Social
Open
Spaces
Business
technologies
Content
Game-based
the
Digital
Augmented
Flipping
Smartphones
visualization
based
Semantic
Analytics
Information
Lecture
eBooks
services
Media
Intelligence
Big
Smart
e-Portfolios
Literacy
computing
capture
Courseware
Geo-everything
environments
HTML5
Education
Reality
Cloud

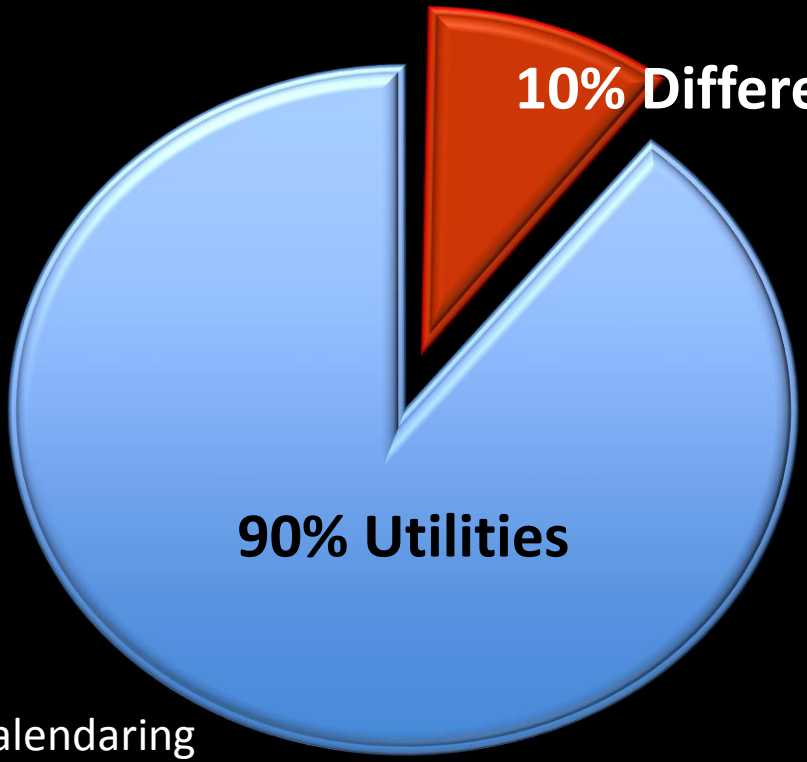
IT Strategic Planning - Framework



Process

- Multiple advisory committees
- FABIT
- Interviews with researchers
- Question of the week
- On-campus conference
- Draft for review, Feb. 7, 2013

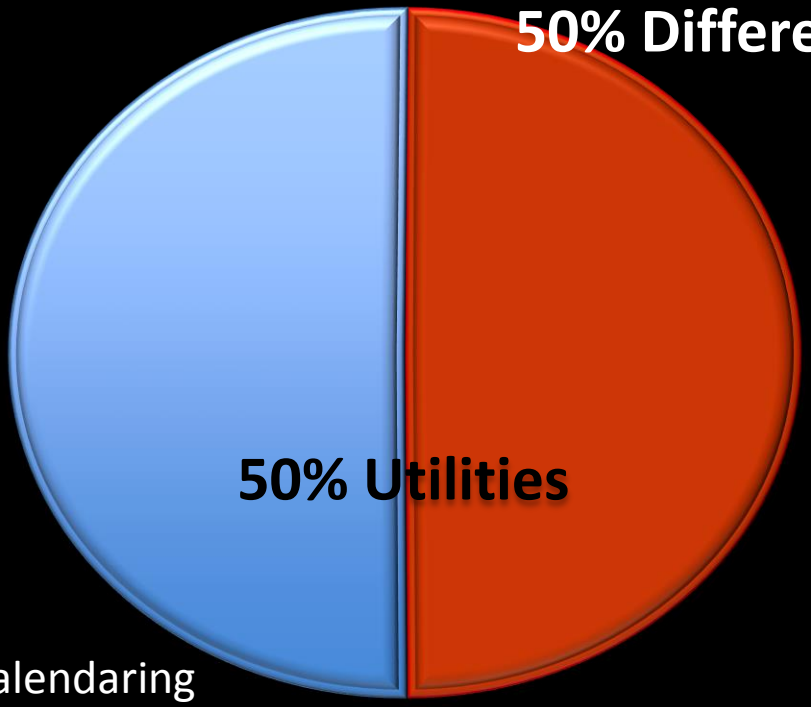
Today, IT Expenditures Look Like This



- Academic technologies
- Analytics
- Research computing
- Mobility

- Messaging/calendaring
- Most administrative systems
- Voice and most data networking
- Desktop support

Imagine a More Equal Balance



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Some Themes

- IT@Cornell services should be built to **serve our community**. We must listen to and work closely with our community.
- Stronger **collaboration** – center/local and local/local – will make us more effective and build a better IT@Cornell.
- Services should align with recognized standards such as **accessibility, quality, and usability**.

Next Steps

- Trustees
- Set priorities
- Report on progress
- Communicate
- Communicate
- Communicate…

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Thanks for Listening

Questions…?

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