ITS Executive Steering Committee (ITESC)

Agenda and Materials
October 7, 2010

Technology@Loyola
INFORMATION TECHNOLOGY AND SERVICES   LOYOLA UNIVERSITY CHICAGO

LOYOLA
UNIVERSITY CHICAGO

1870
AD · MAJOREM · DEI · GLORIAM

Preparing people to lead extraordinary lives

Agenda

- ## Global Initiatives Task Force
  - C. Scheidenhelm

- ## Technology Fee Overview
  - S. Malisch, A. Prokic-Kostic

- ## Enterprise Architecture / Architecture Review Board
  - J. Sibenaller

- ## Research Data Center
  - D. Vonder Heide

- ## Functional Meetings
  - S. Malisch

LOYOLA
UNIVERSITY CHICAGO
1870
AD · MAJOREM · DEI · GLORIAM

Preparing people to lead extraordinary lives

Agenda

- **Global Initiatives Task Force**
  - C. Scheidenhelm

- Technology Fee Overview
  - S. Malisch, A. Prokic-Kostic

- Enterprise Architecture / Architecture Review Board
  - J. Sibenaller

- Research Data Center
  - D. Vonder Heide

- Functional Meetings
  - S. Malisch

LOYOLA
UNIVERSITY CHICAGO

Preparing people to lead extraordinary lives

Online Course Initiative: Summer 2011

- **Goal 1**: to provide online summer opportunities for courses frequently taken elsewhere by Loyola students.

- **Goal 2**: to prepare faculty teaching these courses to envision, develop and deliver quality courses.

- **Goal 3**: to build a cohort of online faculty who can function as mentors for colleagues.

- **Goal 4**: to develop a collection of quality, online courses that can be taught by other LUC faculty.

LOYOLA
UNIVERSITY CHICAGO
AD · MAJOREM · DEI · GLORIAM
1870

Preparing people to lead extraordinary lives

Process

- Develop and teach 5, 2-hour workshops

- Create online readiness materials for students

- Design and deliver a technology infrastructure for Adobe Connect (synchronous delivery medium)

- Create "Online Initiatives" website, with FAQs and resources.

- Develop an assessment program for the components of the initiative

LOYOLA
UNIVERSITY CHICAGO
1870
AD · MAJOREM · DEI · GLORIAM

Preparing people to lead extraordinary lives

Timeline

Summer 2011 Cohort

Mentor colleagues ●———▶

Teaching online courses

●————————————————▶

Develop online course content; participate in online community

●————————————————▶

Hands-on technology and pedagogy training

●————————▶

●————●————●————●————●————●————●————●————●————●————●————●————●————▶

Sep   Oct   Nov   Dec   Jan   Feb   Mar   Apr   May   June   July   Aug   2011 -12

LOYOLA
UNIVERSITY CHICAGO
AD · MAJOREM · DEI · GLORIAM
1870

Preparing people to lead extraordinary lives

Agenda

- Global Initiatives Task Force
  - C. Scheidenhelm

- **Technology Fee Overview**
  - S. Malisch, A. Prokic-Kostic

- Enterprise Architecture / Architecture Review Board
  - J. Sibenaller

- Research Data Center
 - D. Vonder Heide

- Functional Meetings
  - S. Malisch

LOYOLA
UNIVERSITY CHICAGO
AD · MAJOREM · DEI · GLORIAM
1870

Preparing people to lead extraordinary lives

FY10 Technology Fee Summary

	FY10 Projected	FY10 Actual
Revenue	$2,170,000	$2,700,000
Spend	$1,885,000	$1,690,000
Carryforward	$285,000	$1,010,000

FY10 Technology Fee Breakdown	Amount	% of Total
ResNet/Lab Support	$100,000	6%
Telecomm/Internet*	$245,000	14%
Membership & Dues**	$23,000	1%
Software Maintenance*	$340,000	20%
Student Technology Refresh Programs	$830,000	49%
Capital Purchases & Special Projects	$152,000	9%
FY10 Total Spend	$1,690,000	100%
FY10 Carryforward	$1,010,000	
FY10 Total	**$2,700,000**	

* Denotes Item Formerly Covered by Resnet Budget

** Denotes New Item Formerly Covered by Facilities

FY10 Summary

Software Maintenance* 20%

Student Technology Refresh Programs 49%

Telecomm/Internet* 15%

Capital Purchases & Special Projects 9%

Membership & Dues** 1%

ResNet/Lab Support 6%

8
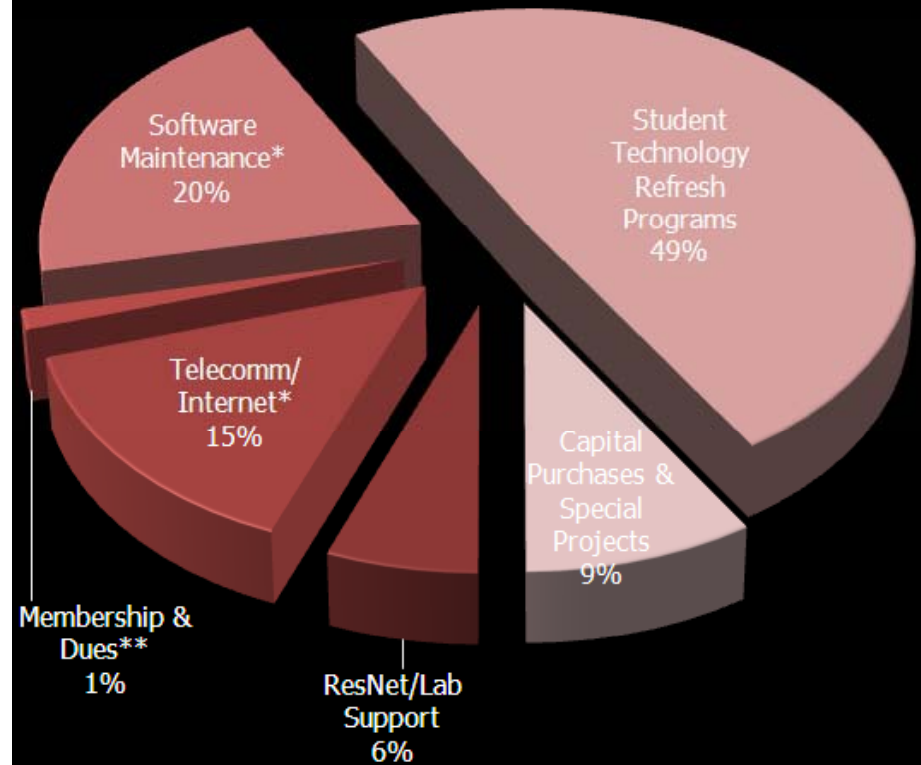
Criteria Used to Determine Tech. Fee Expense

Service/Support/Learning for Students	
Description	**Percentage**
None	**0%**
Partial	**25%**
Shared	**50%**
Substantial/ Primary	**75%**
Complete/Full	**100%**

LOYOLA
UNIVERSITY CHICAGO
AD · MAJOREM · DEI · GLORIAM
1870

Preparing people to lead extraordinary lives

Technology Fee Category Definitions

- <u>Service</u>: Recognizable by students as a service offering

  i.e. Internet/Password Management/E-mail/ResNet

- <u>Support</u>: Required to provide a student service or meet institutional requirements

  i.e. Network Connectivity/Device Encryption/Servers/Storage

- <u>Learning</u>: Directly related to classroom activity or academic record

 i.e. Student Information System/Learning Mgmt. System (grades/classes/schedules/e-portfolios)

LOYOLA
UNIVERSITY CHICAGO

1870

AD · MAIOREM · DEI · GLORIAM

Preparing people to lead extraordinary lives

FY11 Projected Tech. Fee Category Breakdown

Student Category	Amount	% of Total
Service	$1,300,000	48%
Support	$565,000	21%
Learning	$320,000	12%
Special/Capital Projects	$515,000	19%
	$2,700,000	100%

Technology Subcategory	Amount	% of Total
Infrastructure	$1,500,000	56%
Solutions	$635,000	24%
Security	$50,000	2%
Special/Capital Projects	$515,000	19%
	$2,700,000	100%

FY11 by Student Category
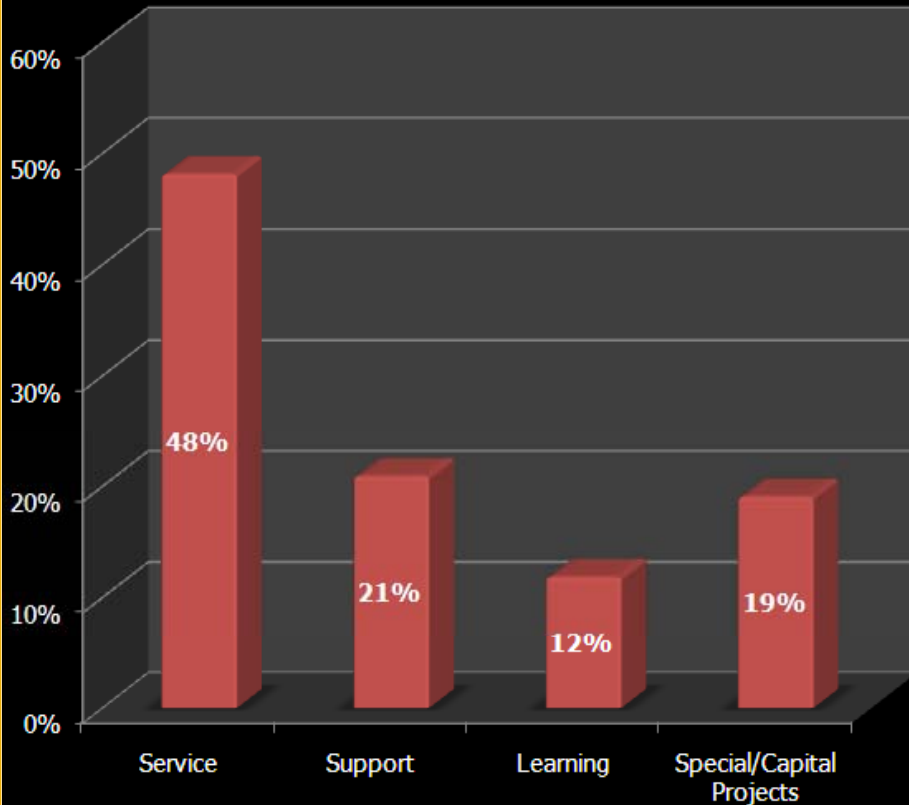

FY11 by Technology Subcategory
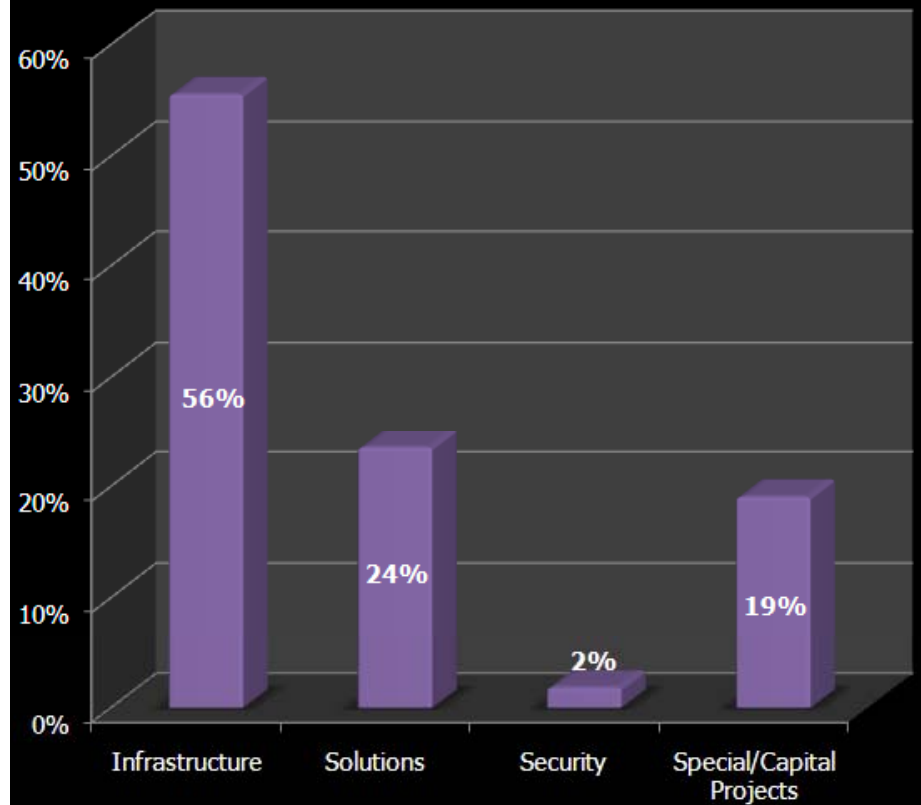
FY10 v. Projected FY11 Budget Comparison

Technology Fee Breakdown	FY10	% of Total	FY11	% of Total
ResNet/Lab Support	$100,000	6%	$140,000	5%
Telecomm/Internet	$245,000	14%	$250,000	9%
Membership & Dues	$23,000	1%	$140,000	5%
Software Maintenance	$340,000	20%	$750,000	28%
Student Technology Refresh Programs	$830,000	49%	$840,000	32%
Reserve for Capital Purchases and Special Projects	$152,000	9%	$515,000	20%
Total Spend	$1,690,000	100%	$2,635,000	100%
Carryforward	$1,010,000		$65,000	
Revenue Collected	$2,700,000		$2,700,000	

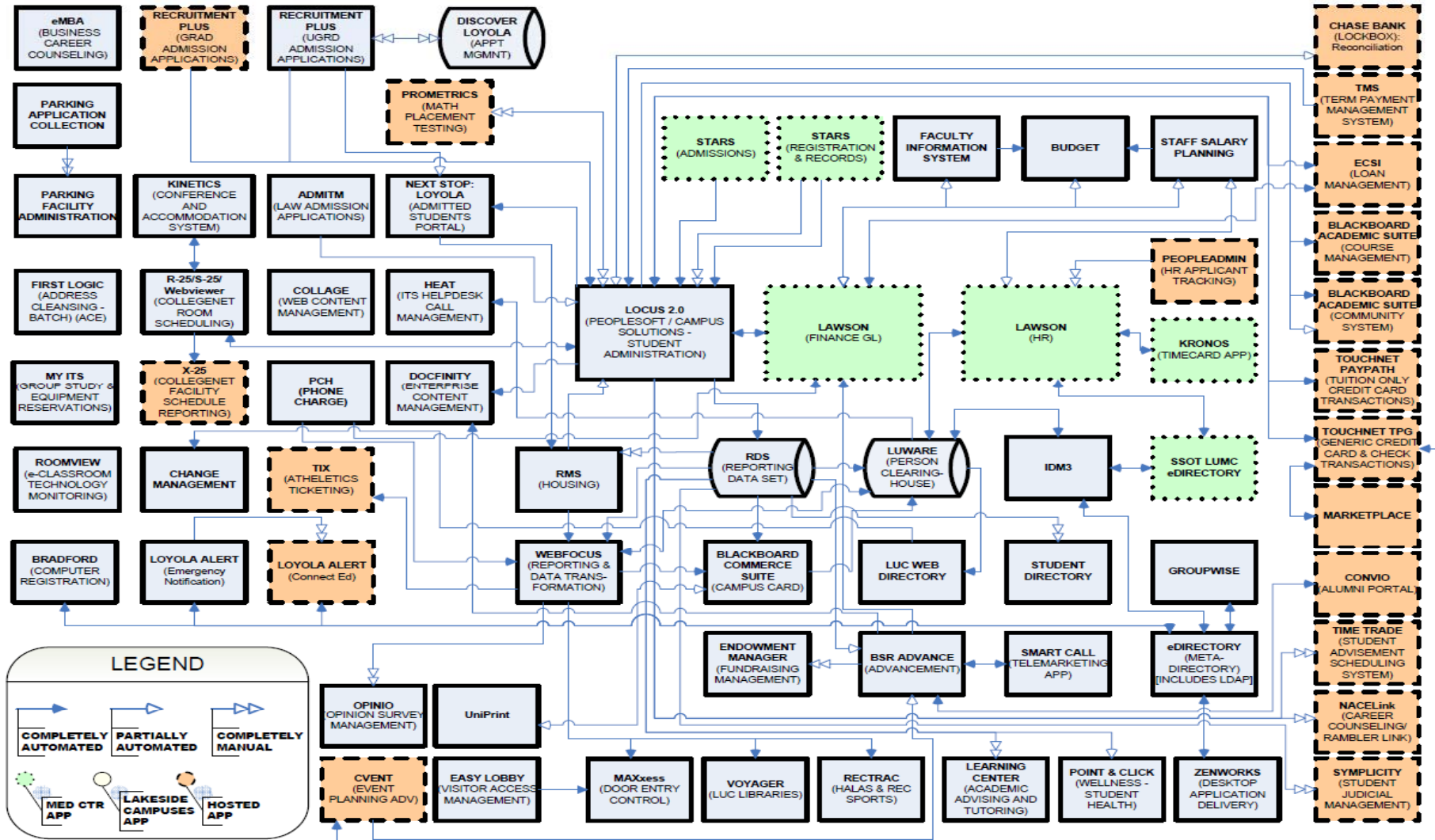FY10 v. FY11 Budget Projections
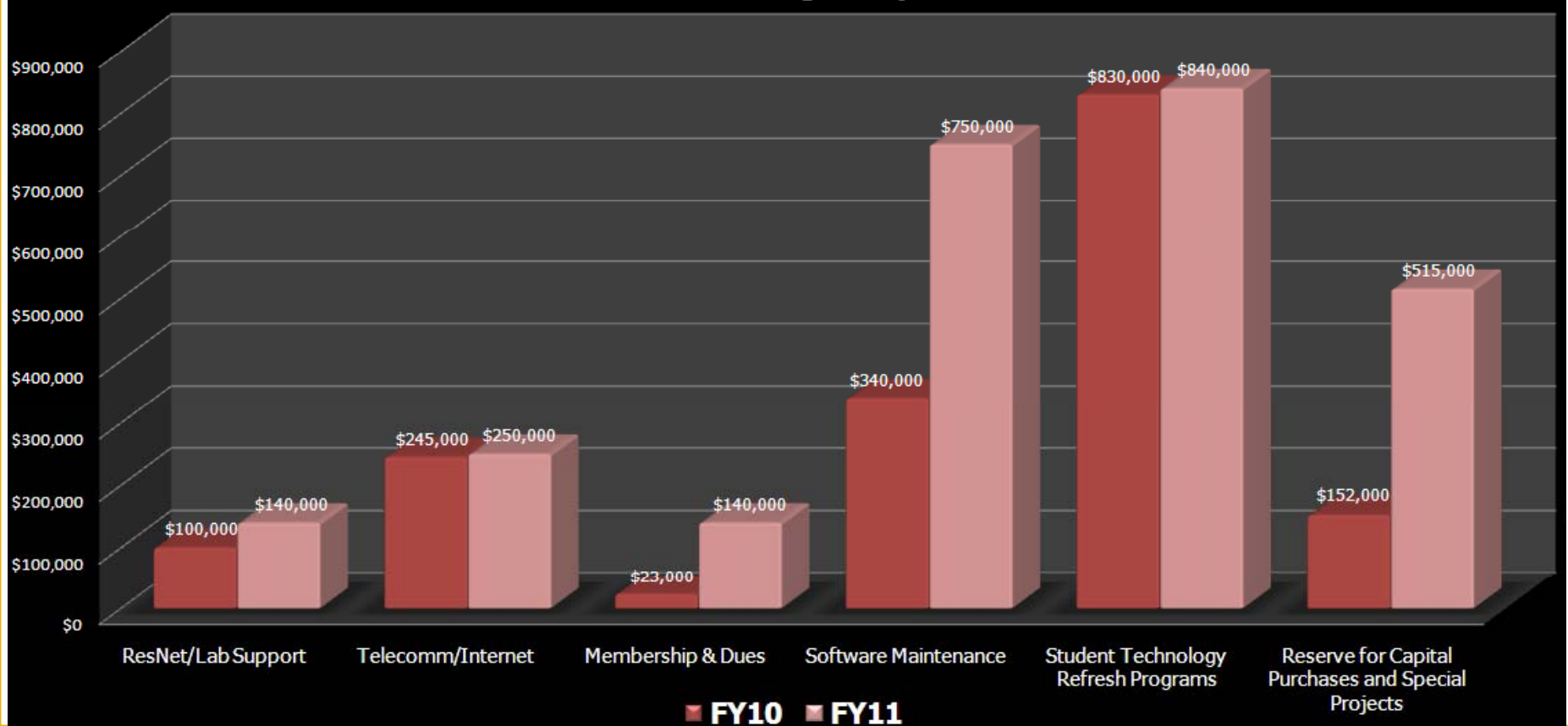
Agenda

- Global Initiatives Task Force
  - C. Scheidenhelm
- Technology Fee Overview
  - S. Malisch, A. Prokic-Kostic
- **Enterprise Architecture / Architecture Review Board**
  - **J. Sibenaller**
- Research Data Center
  - D. Vonder Heide
- Functional Meetings
  - S. Malisch

LOYOLA
UNIVERSITY CHICAGO
1870
AD · MAJOREM · DEI · GLORIAM

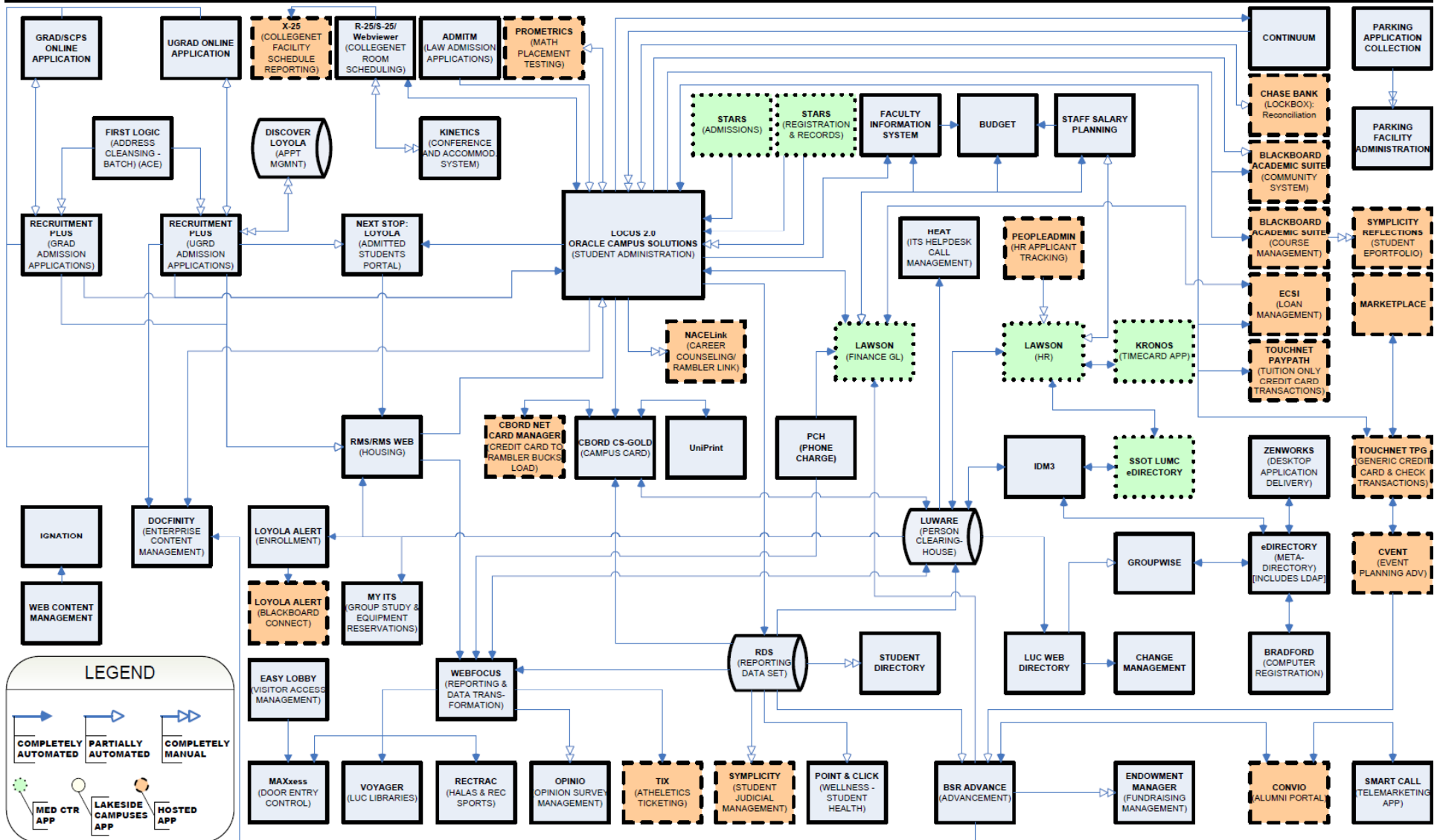*Preparing people to lead extraordinary lives*

Current State Diagram

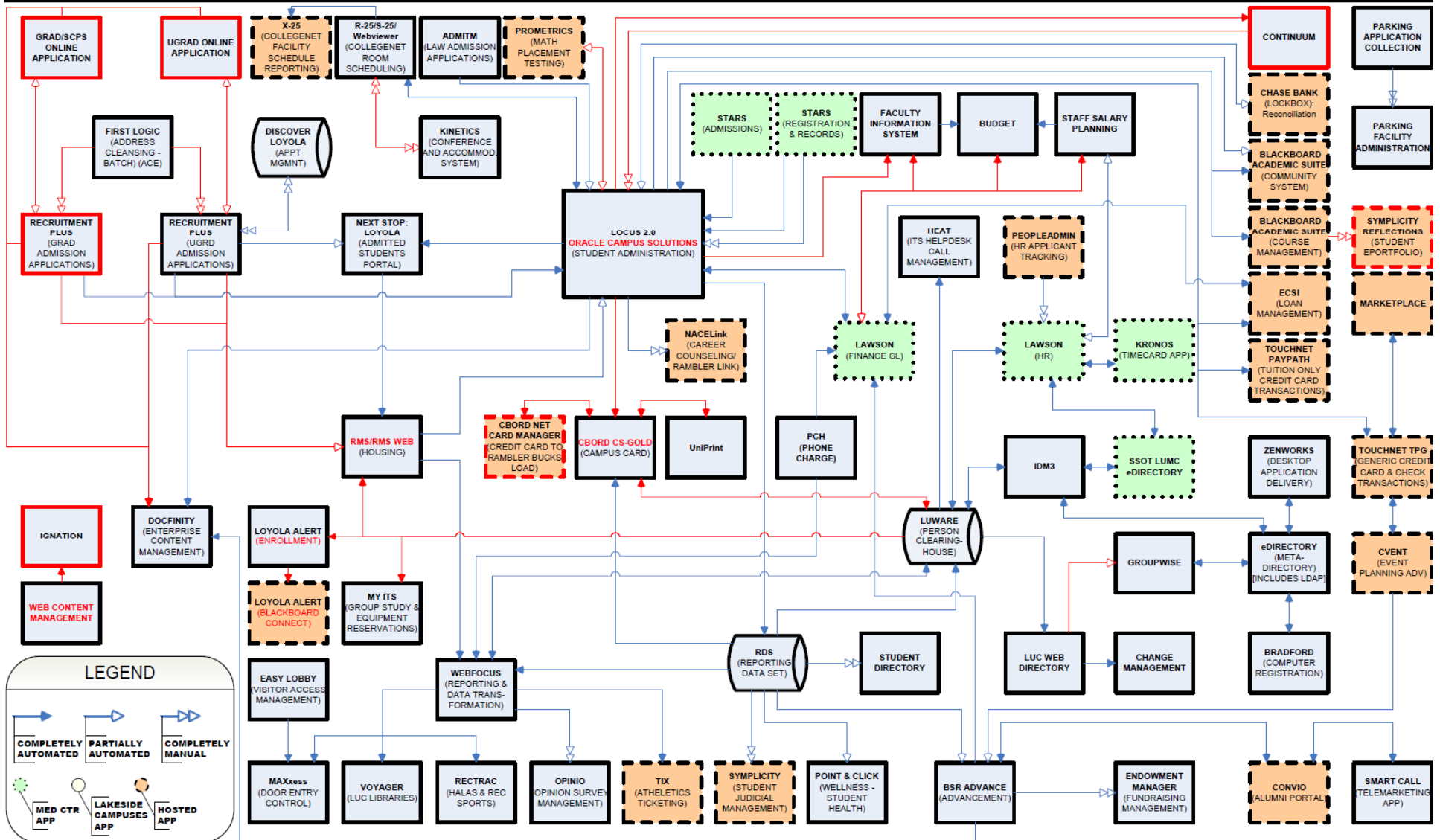Loyola Enterprise Application Data Relationships – 08/01/2009

Current State Diagram - Revised

Loyola Enterprise Application Data Relationships – 08/01/2010
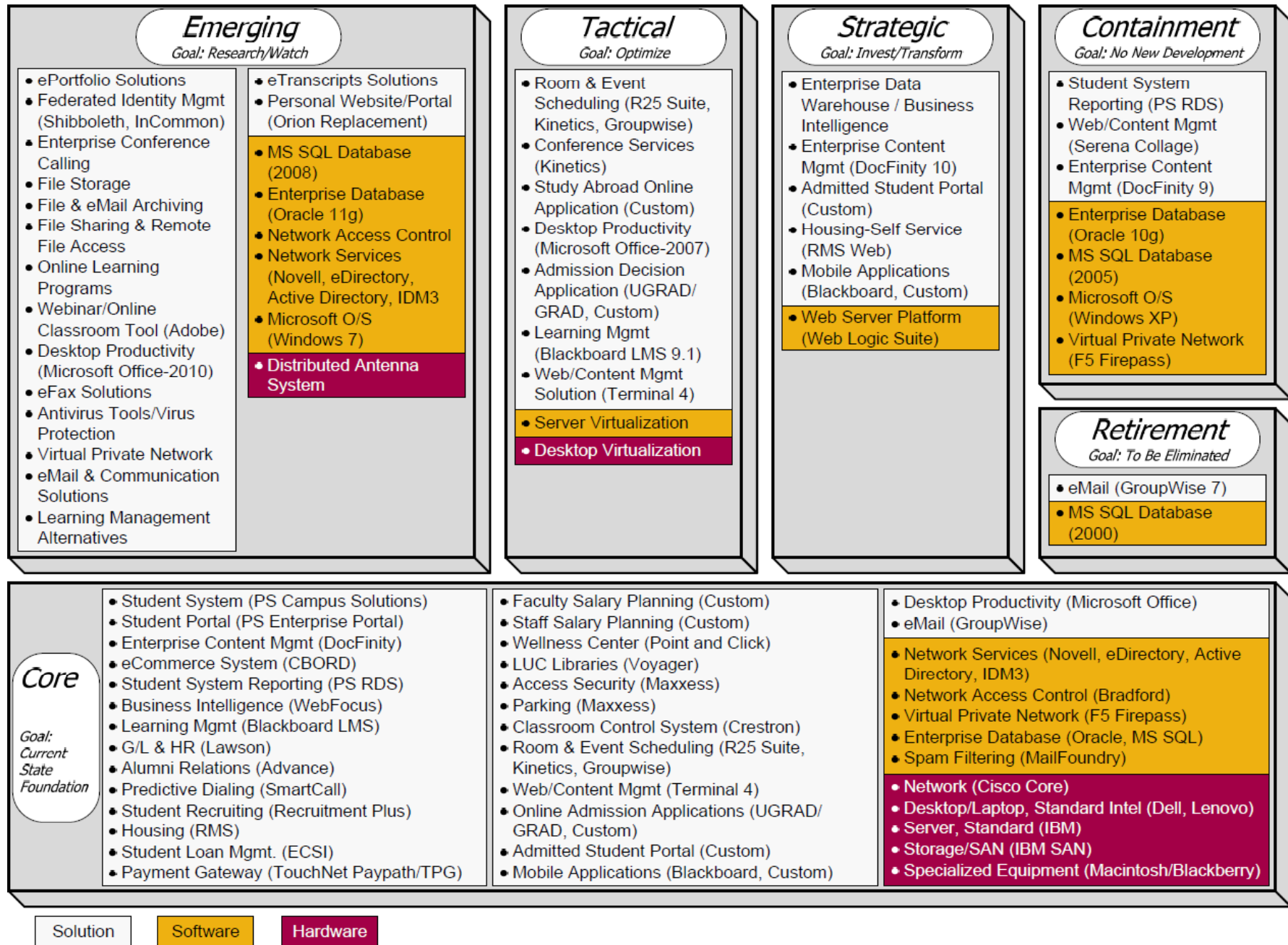
Current State Diagram – Changes

Loyola Enterprise Application Data Relationships – 08/01/2010

LUC Technology Strategy - A Roadmap for Change

September 13, 2010

Emerging
Goal: Research/Watch

- ePortfolio Solutions
- Federated Identity Mgmt (Shibboleth, InCommon)
- Enterprise Conference Calling
- File Storage
- File & eMail Archiving
- File Sharing & Remote File Access
- Online Learning Programs
- Webinar/Online Classroom Tool (Adobe)
- Desktop Productivity (Microsoft Office-2010)
- eFax Solutions
- Antivirus Tools/Virus Protection
- Virtual Private Network
- eMail & Communication Solutions
- Learning Management Alternatives

- eTranscripts Solutions
- Personal Website/Portal (Orion Replacement)

- MS SQL Database (2008)
- Enterprise Database (Oracle 11g)
- Network Access Control
- Network Services (Novell, eDirectory, Active Directory, IDM3
- Microsoft O/S (Windows 7)

- Distributed Antenna System

Tactical
Goal: Optimize

- Room & Event Scheduling (R25 Suite, Kinetics, Groupwise)
- Conference Services (Kinetics)
- Study Abroad Online Application (Custom)
- Desktop Productivity (Microsoft Office-2007)
- Admission Decision Application (UGRAD/GRAD, Custom)
- Learning Mgmt (Blackboard LMS 9.1)
- Web/Content Mgmt Solution (Terminal 4)

- Server Virtualization
- Desktop Virtualization

Strategic
Goal: Invest/Transform

- Enterprise Data Warehouse / Business Intelligence
- Enterprise Content Mgmt (DocFinity 10)
- Admitted Student Portal (Custom)
- Housing-Self Service (RMS Web)
- Mobile Applications (Blackboard, Custom)

- Web Server Platform (Web Logic Suite)

Containment
Goal: No New Development

- Student System Reporting (PS RDS)
- Web/Content Mgmt (Serena Collage)
- Enterprise Content Mgmt (DocFinity 9)

- Enterprise Database (Oracle 10g)
- MS SQL Database (2005)
- Microsoft O/S (Windows XP)
- Virtual Private Network (F5 Firepass)

Retirement
Goal: To Be Eliminated

- eMail (GroupWise 7)
- MS SQL Database (2000)

Core
Goal: Current State Foundation

- Student System (PS Campus Solutions)
- Student Portal (PS Enterprise Portal)
- Enterprise Content Mgmt (DocFinity)
- eCommerce System (CBORD)
- Student System Reporting (PS RDS)
- Business Intelligence (WebFocus)
- Learning Mgmt (Blackboard LMS)
- G/L & HR (Lawson)
- Alumni Relations (Advance)
- Predictive Dialing (SmartCall)
- Student Recruiting (Recruitment Plus)
- Housing (RMS)
- Student Loan Mgmt. (ECSI)
- Payment Gateway (TouchNet Paypath/TPG)

- Faculty Salary Planning (Custom)
- Staff Salary Planning (Custom)
- Wellness Center (Point and Click)
- LUC Libraries (Voyager)
- Access Security (Maxxess)
- Parking (Maxxess)
- Classroom Control System (Crestron)
- Room & Event Scheduling (R25 Suite, Kinetics, Groupwise)
- Web/Content Mgmt (Terminal 4)
- Online Admission Applications (UGRAD/GRAD, Custom)
- Admitted Student Portal (Custom)
- Mobile Applications (Blackboard, Custom)

- Desktop Productivity (Microsoft Office)
- eMail (GroupWise)

- Network Services (Novell, eDirectory, Active Directory, IDM3)
- Network Access Control (Bradford)
- Virtual Private Network (F5 Firepass)
- Enterprise Database (Oracle, MS SQL)
- Spam Filtering (MailFoundry)

- Network (Cisco Core)
- Desktop/Laptop, Standard Intel (Dell, Lenovo)
- Server, Standard (IBM)
- Storage/SAN (IBM SAN)
- Specialized Equipment (Macintosh/Blackberry)

Legend
- Solution
- Software
- Hardware

TAC List

Item	Level	Layer		TAC Owner	ARB Sponsor	Status	Start Date	ARB Presentation Date
On-Line Learning Programs	Road-Map	Solution		Carol Scheidenhelm	Bruce Montes	Active	07/2010	09/2010
MS SQL Database (2008)	Road-Map	Software		Charlotte Pullen	Kevin Smith	Active	2009	10/2010
Enterprise Conference Calling	Road-Map	Solution		Dave Gabrovich	Dan Vonder Heide	Active	2009	11/2010
File Sharing & Remote File Access	Road-Map	Solution		Jeff Apa	Dan Vonder Heide	Active	2009	11/2010
Enterprise Database (Oracle 11g)	Road-Map	Software		Charlotte Pullen	Kevin Smith	Active	2009	11/2010
Desktop Productivity (Microsoft Office-2010)	Road-Map	Solution		Kathy Ryan	Dan Vonder Heide	Active	2010	11/2010
Microsoft O/S (Windows 7)	Road-Map	Software		Kathy Ryan	Dan Vonder Heide	Active	2010	11/2010
Anti-Virus Tools/Virus Protection	Road-Map	Software		Kathy Ryan	Dan Vonder Heide	Active	2010	11/2010
Network Services (Novell, eDirectory, IDM3)	Road-Map	Software		Jeff Apa	Dan Vonder Heide	Active	03/2010	11/2010
Personal Account Manager/Password Mgmt	Inventory	Solution		Alison Stillwell	Bruce Montes	Active	03/2010	01/2011
ePortfolio Solutions	Road-Map	Solution		Patrick Green	Jim Sibenaller	Active	08/2009	04/2011
Webinar/Online Classroom Tool (Adobe)	Road-Map	Solution		Bruce Montes	Bruce Montes	Active	12/2009	06/2011
File Storage	Road-Map	Solution		Jeff Apa	Dan Vonder Heide	Active	2009	Q4 2010
Desktop Virtualization	Road-Map	Hardware		Kathy Ryan	Dan Vonder Heide	Active	03/2010	Q4 2010
eTranscripts	Road-Map	Solution		Eric Pittenger	Kevin Smith	Active	03/2010	Q4 2010
File & eMail Archiving	Road-Map	Solution		Jeff Apa	Dan Vonder Heide	Active	2009	Q1 2011
Distributed Antenna System	Road-Map	Hardware		Bob Heeseman	Dan Vonder Heide	Active	2009	Q1 2011
Learning Mgmt Alternatives	Road-Map	Solution		Carol Scheidenhelm	Bruce Montes	Active	06/2010	Q2 2011
Network Access Control	Road-Map	Software		Dave Wieczorek	Dan Vonder Heide	Active	03/2010	TBD
Personal Website Replacement (Orion)	Road-Map	Solution		Jeff Apa	Dan Vonder Heide	Active	09/2010	TBD
eMail & Communication Solutions	Road-Map	Solution		Dan Vonder Heide	Dan Vonder Heide	Hold	2009	TBD
eFax Solutions	Road-Map	Solution		Jim Sibenaller	Jim Sibenaller	New	TBD	TBD
Virtual Private Network / Secure Portal	Road-Map	Software		Dan Vonder Heide	Dan Vonder Heide	New	TBD	TBD
Student Recruiting (Recruitment Plus)	Road-Map	Solution		Paul Roberts	Kevin Smith	New	TBD	TBD

Agenda
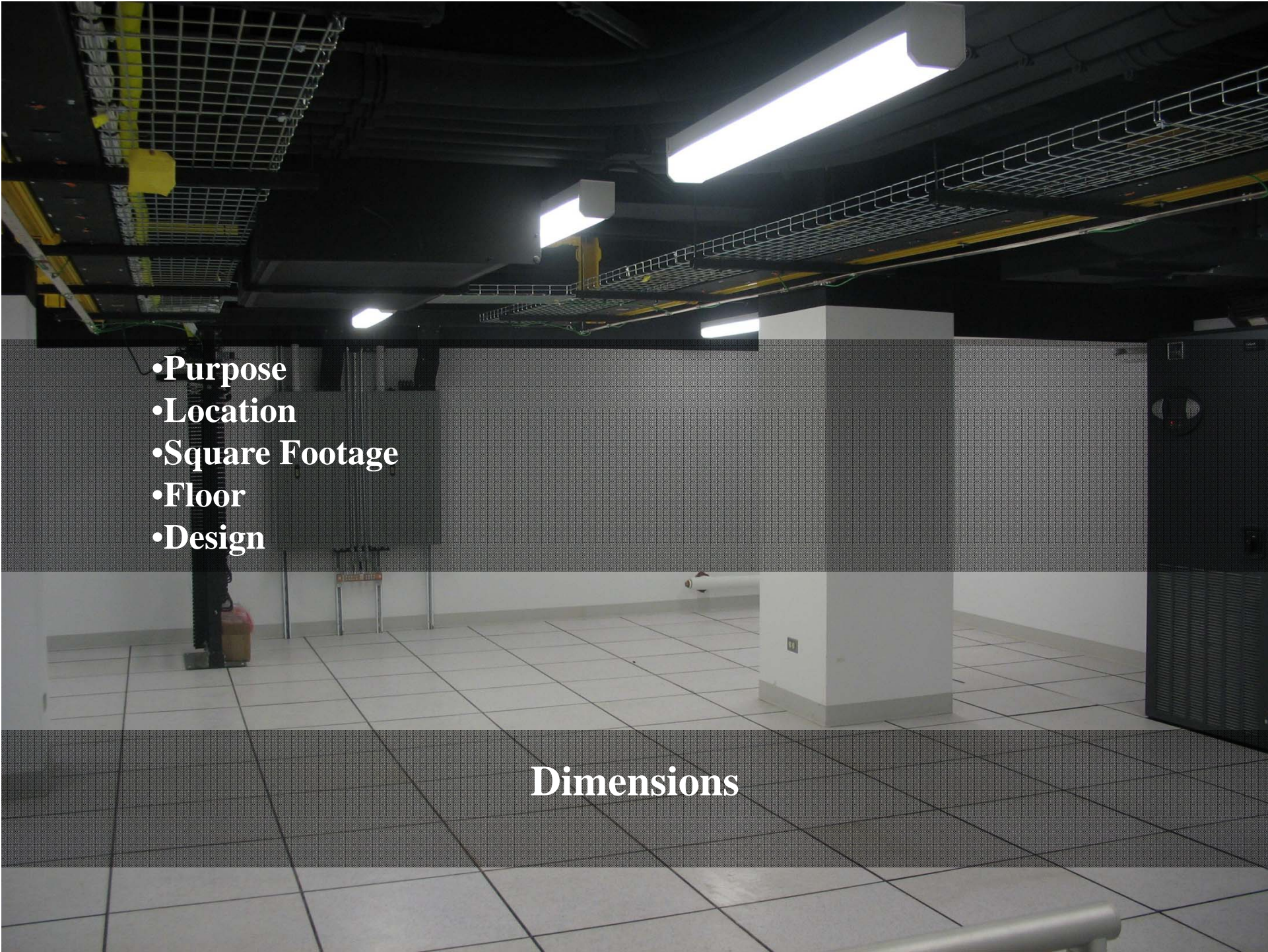
- Global Initiatives Task Force
  - C. Scheidenhelm

- Technology Fee Overview
  - S. Malisch, A. Prokic-Kostic

- Enterprise Architecture / Architecture Review Board
  - J. Sibenaller

- **Research Data Center**
  - **D. Vonder Heide**

- Functional Meetings
  - S. Malisch

LOYOLA
UNIVERSITY CHICAGO
AD · MAJOREM · DEI · GLORIAM
1870

Preparing people to lead extraordinary lives

- Virtual Tour
- Governance
- Short Term Planning
- Long Term Planning

Loyola University Research Data Center

- **Purpose**
- **Location**
- **Square Footage**
- **Floor**
- **Design**

Dimensions

- 5 and 8 Ton HVAC Units
- Third to Half Cooling Capacity
- Monitoring

Cooling
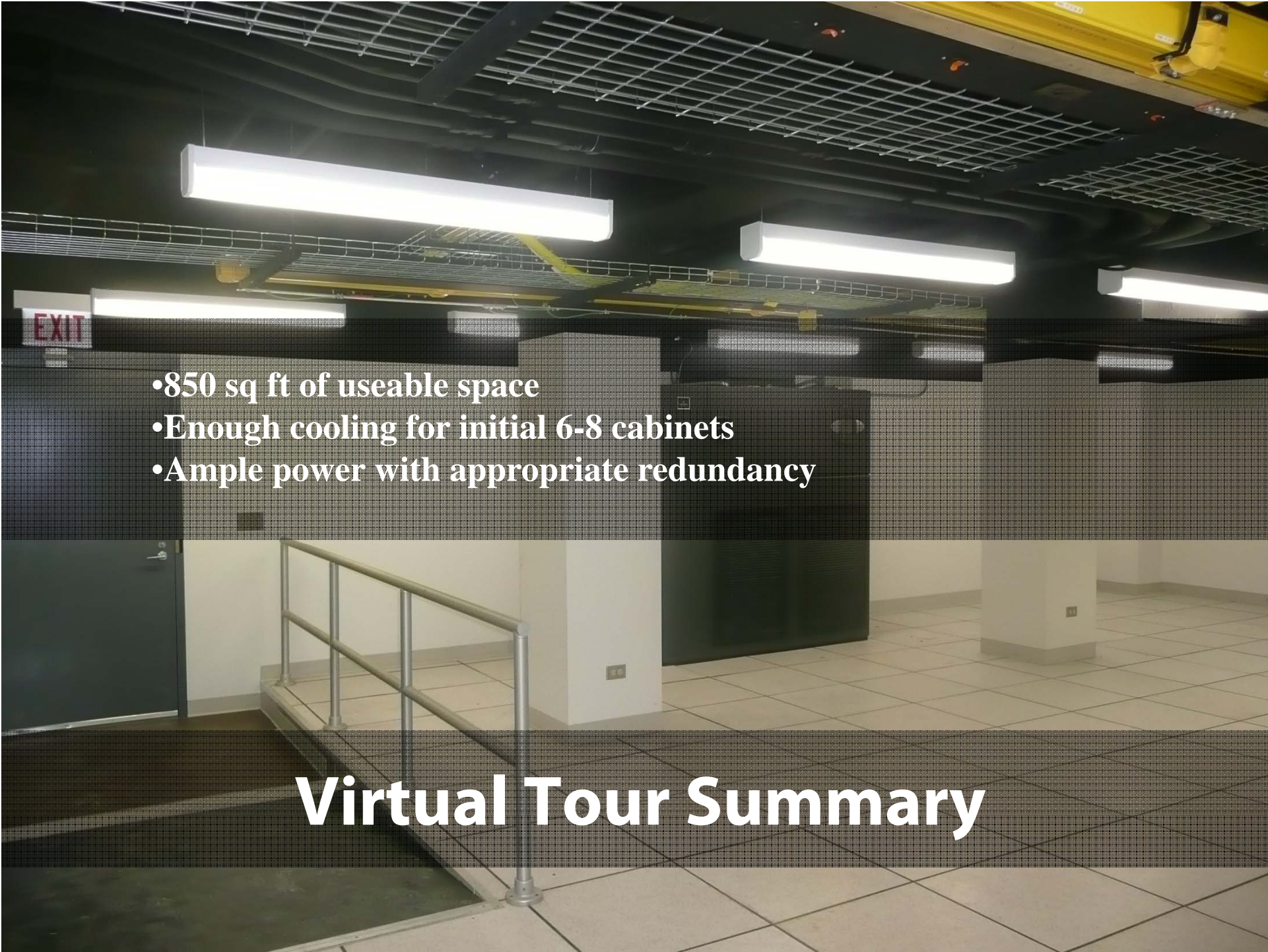
Cooling Chillers

- Low Voltage
- Fiber
- Network Connectivity
- Power
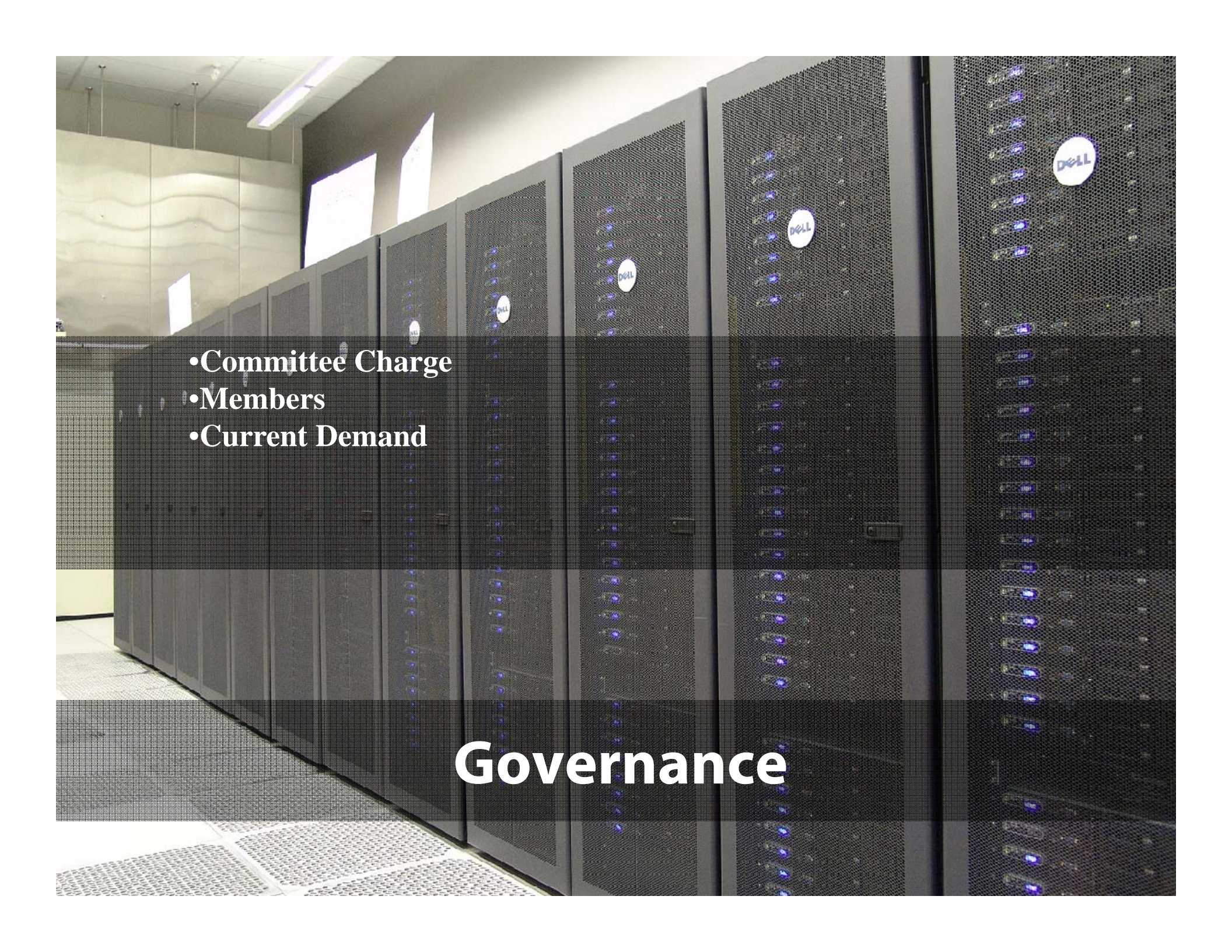
Cable Management

- Single ComEd Feed
- 50KVA UPS
- Generator
- 110/220 Outlets

Power

- 850 sq ft of useable space
- Enough cooling for initial 6-8 cabinets
- Ample power with appropriate redundancy

Virtual Tour Summary

- Committee Charge
- Members
- Current Demand

Governance

- **Committee Charge**
  - Limited and Expensive Resource
  - Process for Usage, Sustainability and Retirement
- **Members**
- **Current Demand**

Governance

Samuel A. Attoh, Dean of the Grad. School & Assoc. Provost for Res., Chair
Fred Bryant, Psychology
Richard Holz, Chemistry
Susan Malisch, ITS
Tim O'Brien, Math & Statistics
Christine Putonti, Biology
Donna Quirk, SPA
Bill Sellers, Research
George Thiruvakuthal, Computer Science
Dan Vonder Heide, ITS

Committee Members

- **Computer Science – 6 Racks**
- **Chemistry – 2 Racks**
- **ITS – 2 Racks (Infrastructure)**
- **Clean Air, Clean Water (CACW) project CUERP**
- **Chemistry VM server for Paul Chiarelli**
- **Physics VM server for Robert McNees**
- **Others??**

Current Demand

Short Term Planning

Short Term Planning

- HPC / Cluster
- Virtualized Server Environment
- Fewer Silos

Long Term Planning

Agenda

- Global Initiatives Task Force
  - C. Scheidenhelm

- Technology Fee Overview
  - S. Malisch, A. Prokic-Kostic

- Enterprise Architecture / Architecture Review Board
  - J. Sibenaller

- Research Data Center
  - D. Vonder Heide

- **Functional Meetings**
  - S. Malisch

LOYOLA
UNIVERSITY CHICAGO

Preparing people to lead extraordinary lives

FY11-FY12 ITESC Schedule

- August 26, 2010 - Thursday, 1:30-3:30 PM
  - DW/BI Program Vendor Recommendation
  - ISAC Information Program Recommendation
  - ATC Subcommittee FY11 Agenda
  - Research Data Center

- October 7, 2010 - Thursday, 1:30-3:30 PM
  - Global Initiatives Task Force
  - Technology Fee Overview
  - Enterprise Architecture / ARB
  - Research Data Center
  - Functional Meetings

- November 18, 2010 - Thursday, 1:30-3:30 PM
  - LUMC Update
  - Technology Briefing & Scorecards
  - Project Portfolio Prioritization

- January 5, 2011 - Wednesday, 1:30-3:30 PM
  - Subcommittee Reports
  - Project Portfolio Prioritization Results

- February 17, 2011 - Thursday, 1:30-3:30 PM
  - LUMC Update
  - Major Projects Status Reviews

- March 31, 2011 - Thursday, 1:30-3:30 PM
  - Subcommittee Reports

- May 26, 2010 - Thursday, 1:30-3:30 PM
  - Project Portfolio Prioritization

- July 7, 2011 - Thursday, 1:30-3:30 PM
  - Project Portfolio Prioritization Results
  - LUMC Update

- August 11, 2011 – Thursday, 1:30-3:30 PM
  - FY13 Budget Input from Subcommittees

- September 22, 2011 - Thursday, 1:30-3:30 PM
  - Subcommittee Reports

- November 10, 2011 - Thursday, 1:30-3:30 PM
  - Technology Briefing & Scorecards
  - LUMC Update