



Xavier University
Yale University
Yeshiva University

FY2014 ROPA Presentation

University of Central Florida

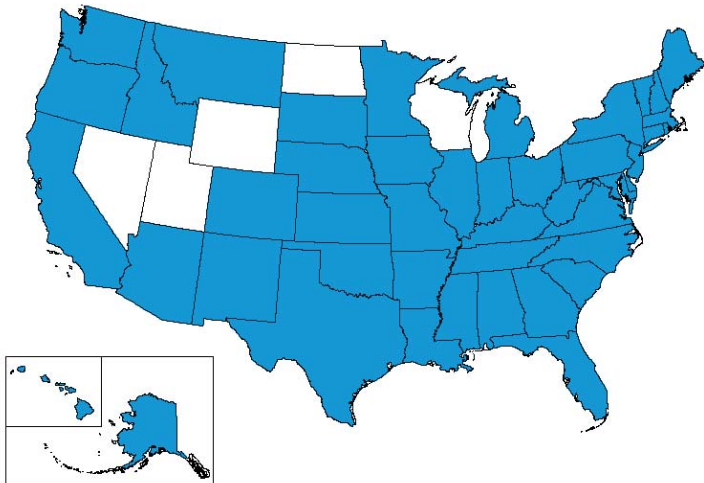


Who Partners with Sightlines?

Robust membership includes colleges, universities, consortia, and state systems

Serving the Nation's Leading Institutions:

- 19 of the Top 25 Colleges*
- 17 of the Top 25 Universities*
- Flagship Public Universities in 32 States
- 8 of the 12 Ivy Plus Institutions
- 12 of the 14 Big 10 Institutions



* U.S. News 2014 Rankings

Sightlines is proud to announce that:

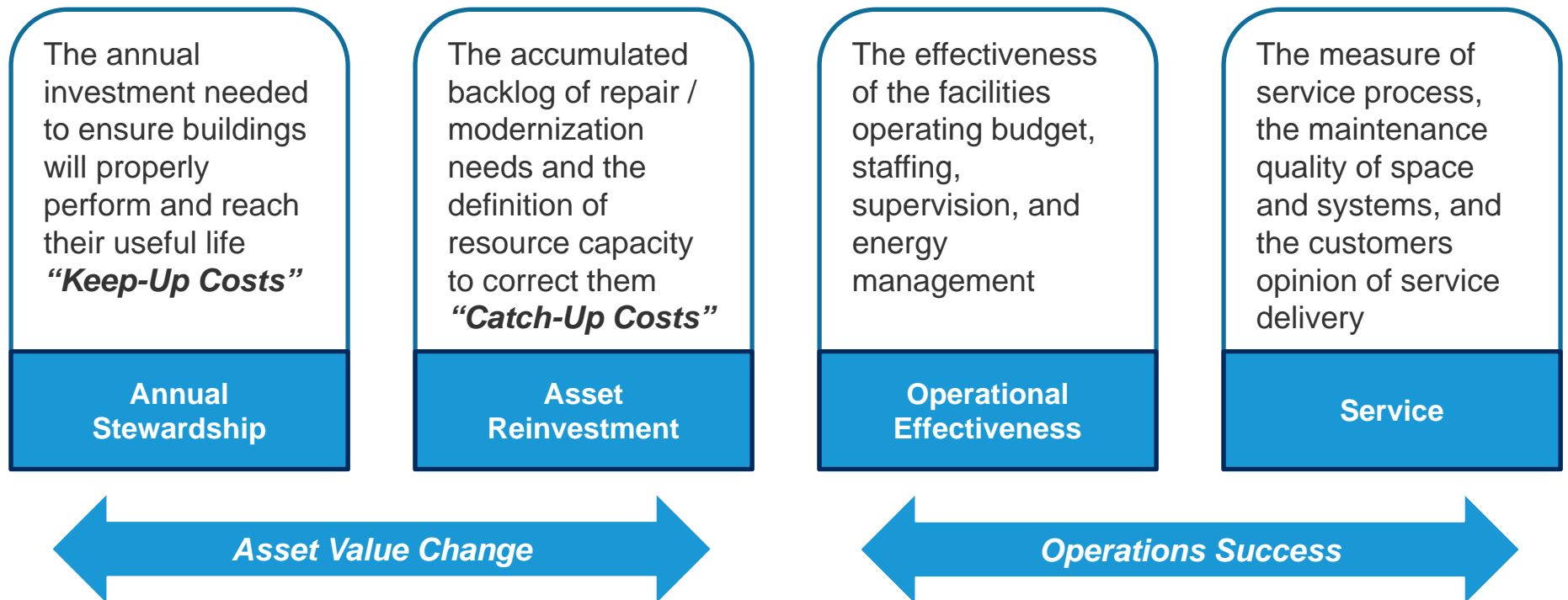
- 450 colleges, universities, and K-12 institutions are Sightlines clients, including over 300 ROPA members.
- 93% of ROPA members renewed in 2013
- We have clients in 44 states, the District of Columbia, and Canada
- 57 institutions became Sightlines members in 2013

Sightlines advises state systems in:

- Alaska
- California
- Connecticut
- Hawaii
- Maine
- Massachusetts
- Minnesota
- Mississippi
- Missouri
- New Hampshire
- New Jersey
- New York
- Oregon
- Pennsylvania
- Texas

A vocabulary for measurement

The Return on Physical Assets – ROPASM

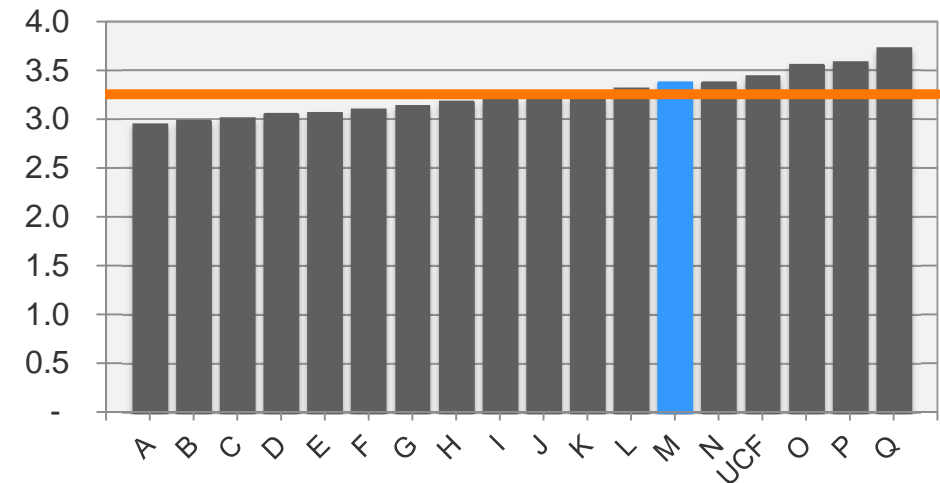


Peer Institutions

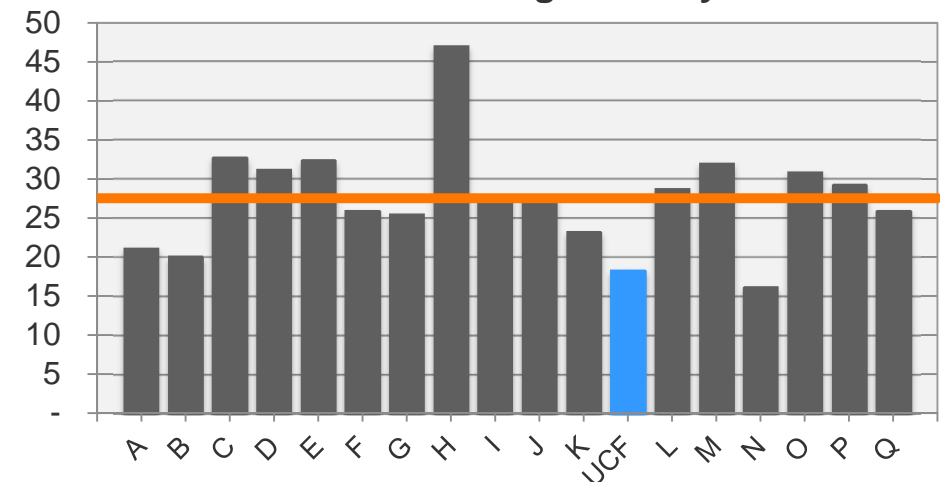
Institutions

- ☐ Virginia Commonwealth University
- ☐ University of Kentucky - Main Campus
- ☐ University of Florida
- ☐ George Mason University
- ☐ Mississippi State University
- ☐ The University of Alabama (Tuscaloosa)
- ☐ The University of Arizona - Main Campus
- ☐ The University of Mississippi
- ☐ Clemson University
- ☐ University of Arkansas
- ☐ Arizona State University
- ☐ Florida State University
- ☐ Louisiana State University
- ☐ The University of Tennessee - Knoxville
- ☐ University of Missouri - Kansas City
- ☐ University of Missouri - St. Louis
- ☐ University of North Texas

Tech Rating



Building Intensity

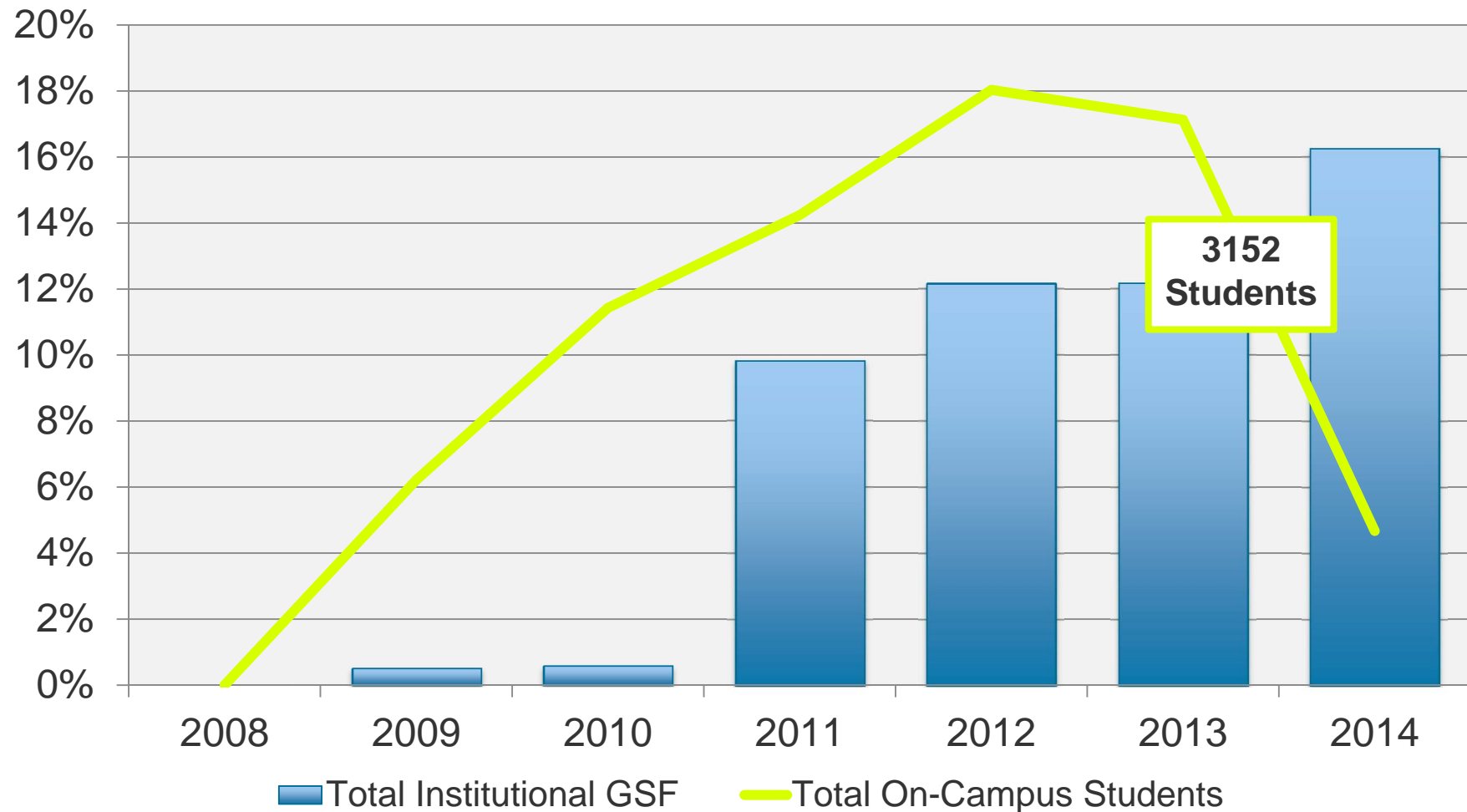


Core Issues

- > Space Profile:
 - > The changing student composition highlights opportunities in space utilization
 - > A substantial shift in the age profile will occur over the next 10 years, predicting higher capital costs in the future.
- > Capital Profile:
 - > Historically high investment levels have receded in recent years, increasing the backlog in recent years
 - > ISES data provides a strong framework for identifying investment priorities.
- > Operations Profile:
 - > Operational spending has been shifting towards more high value work(PM)
 - > Campus inspection scores are improving, despite fewer overall resources

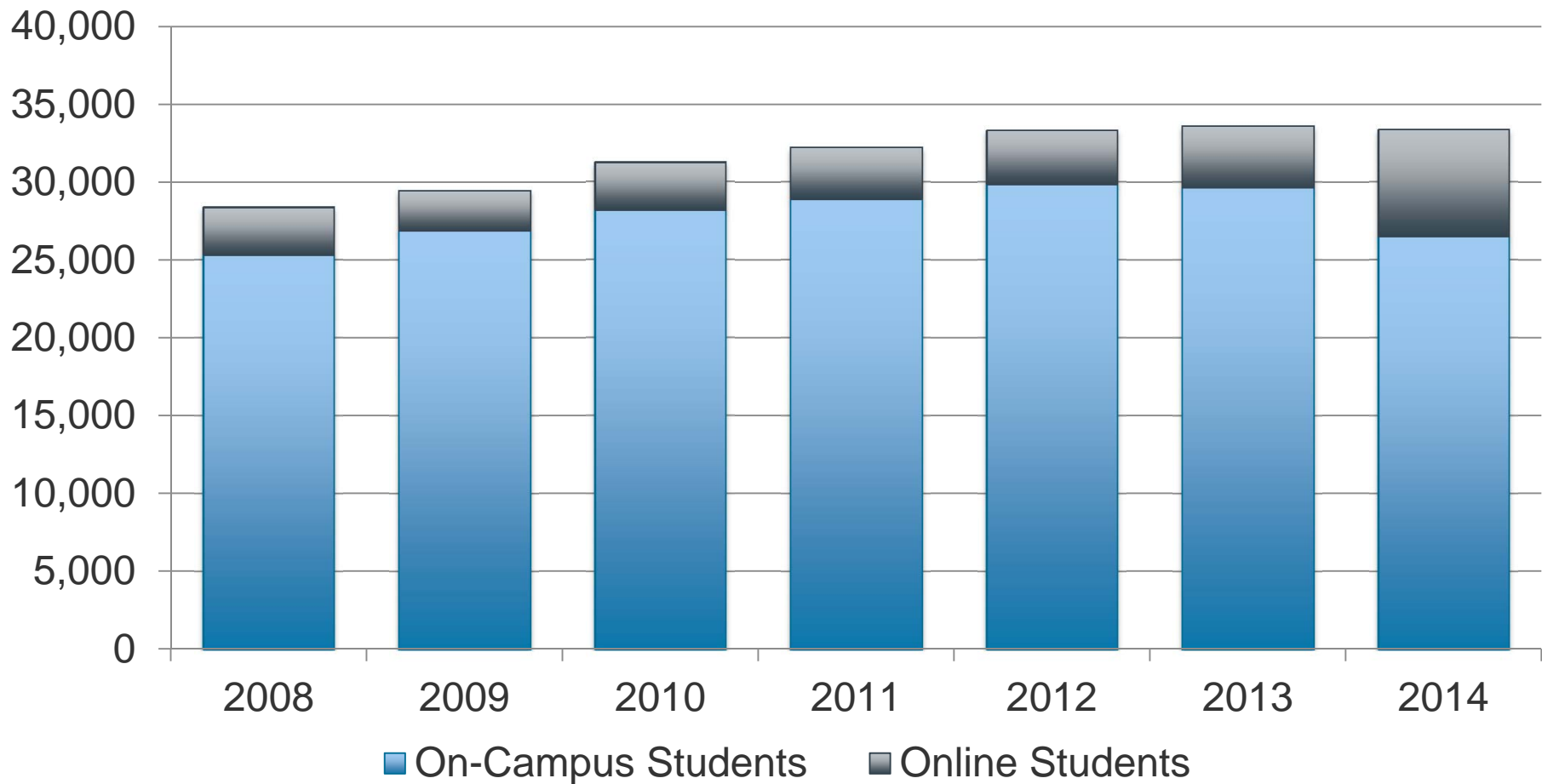
Decrease in On-Campus Students in FY14

Growth in Space Versus “On-Campus” Students

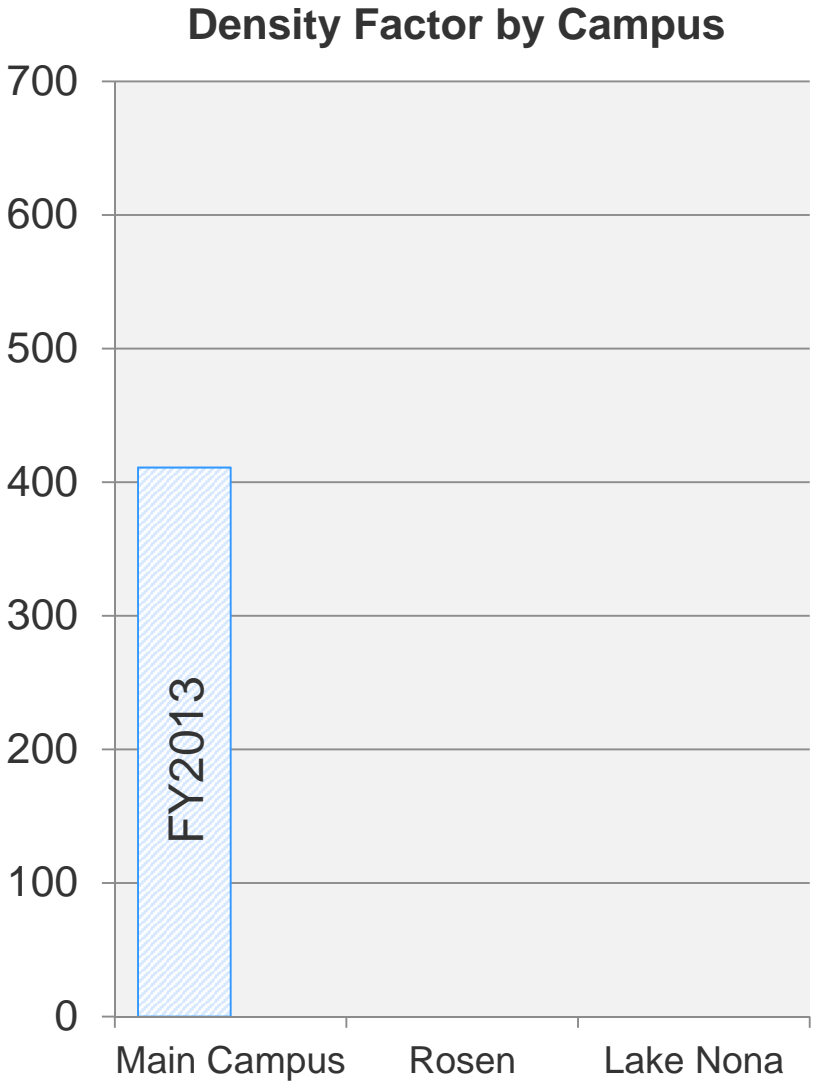
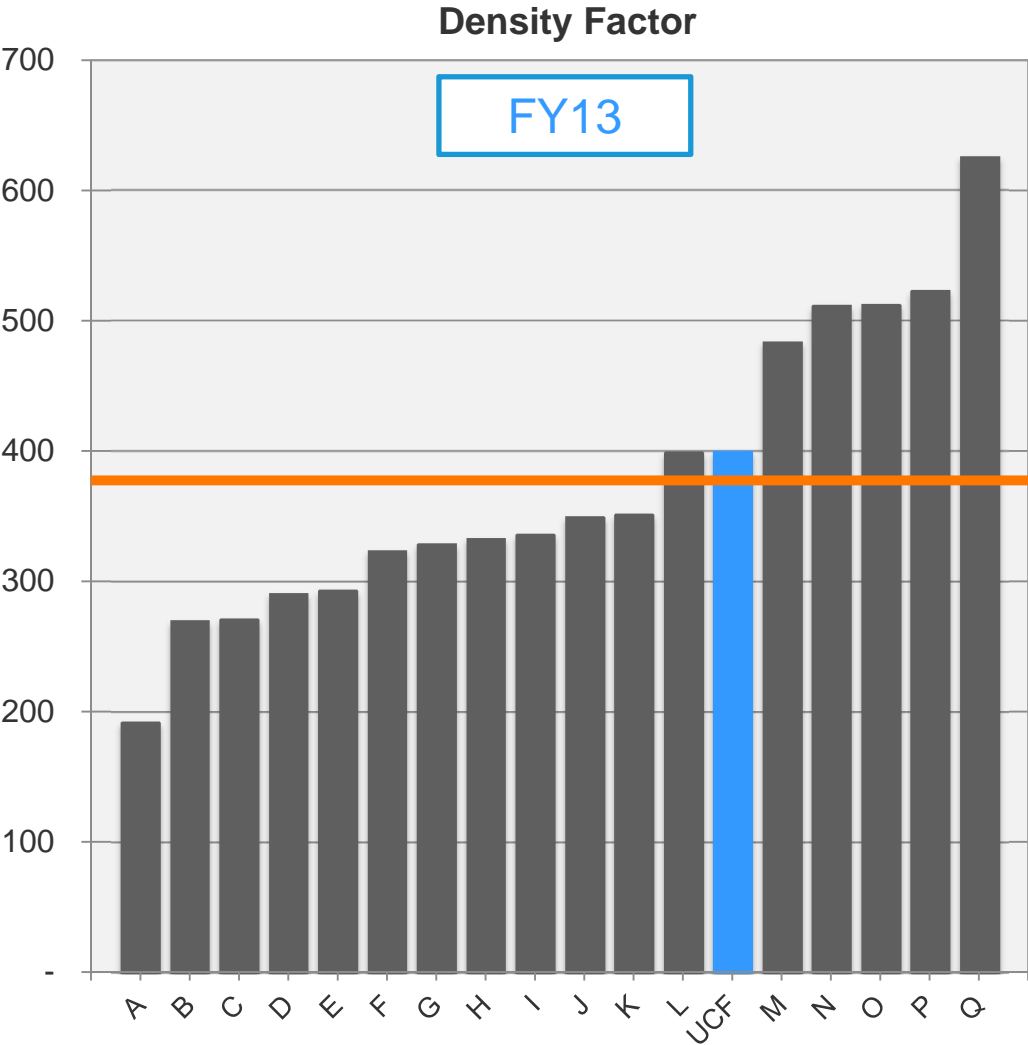


The Mix of Main Campus Students is Changing

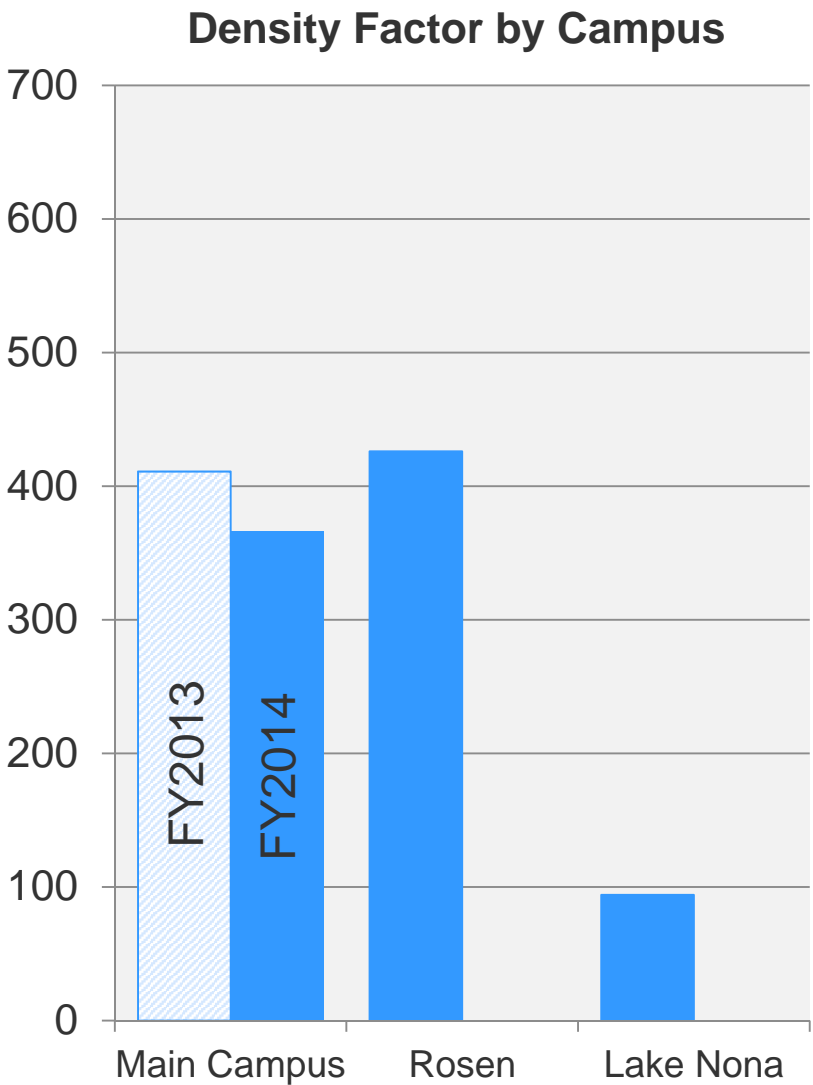
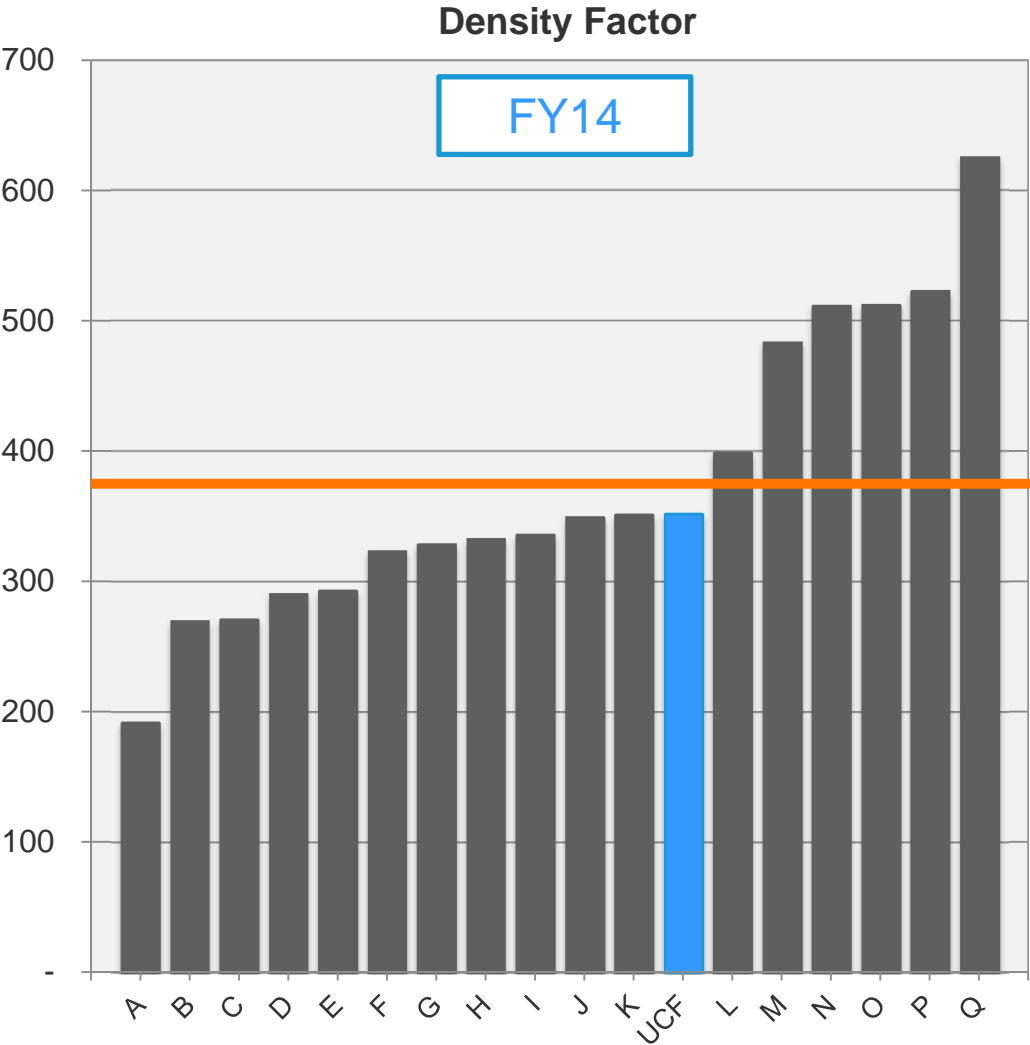
Total Students Educated



Declining On-campus students reduces Density Factor

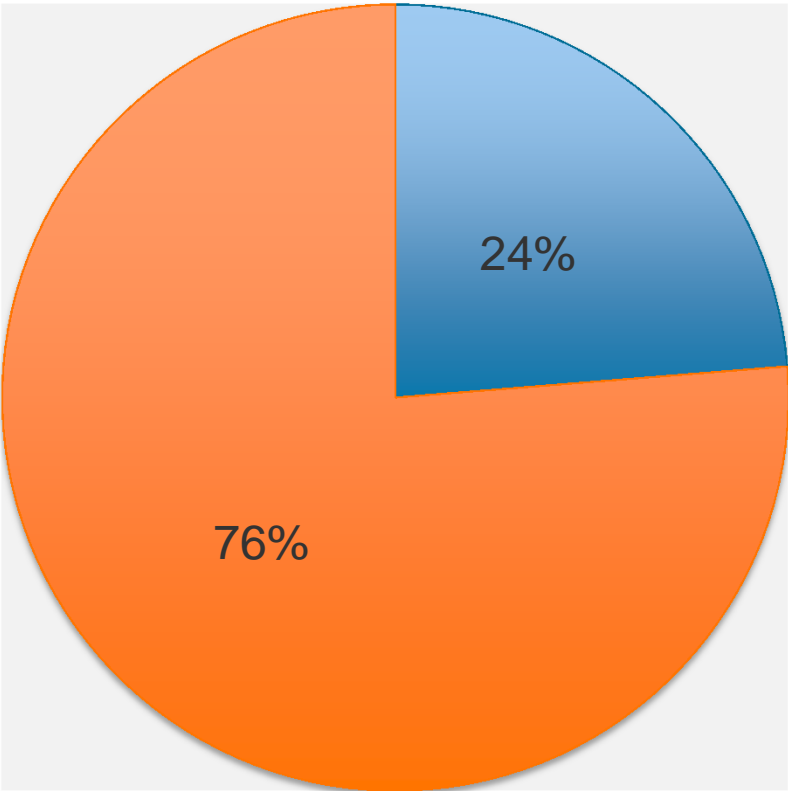


Declining On-campus students reduces Density Factor



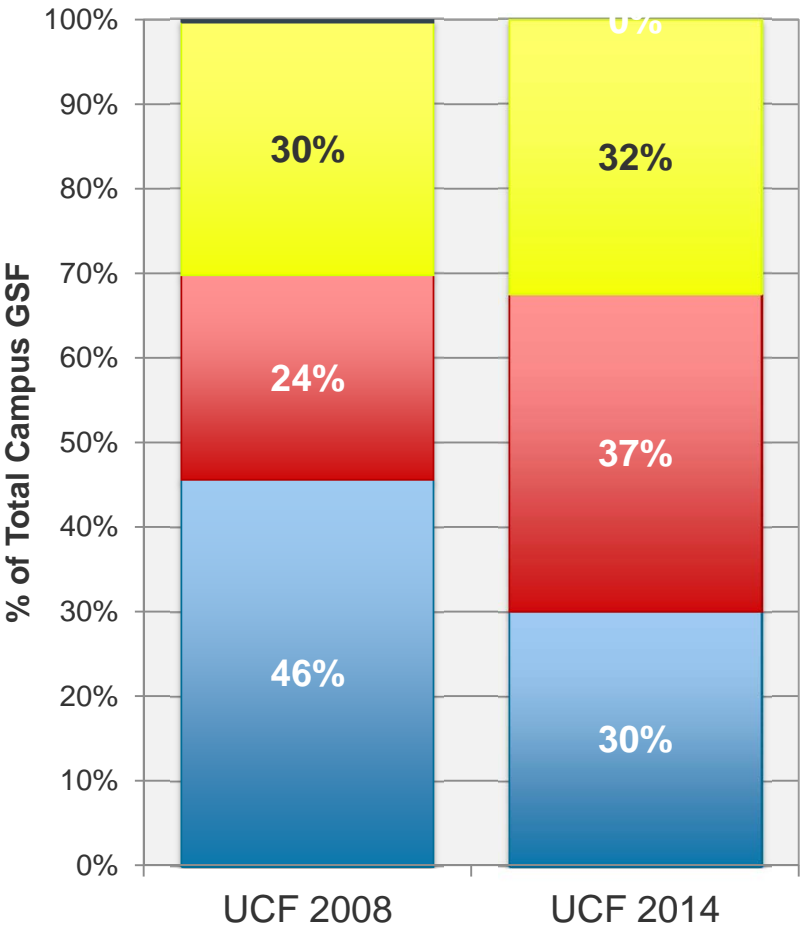
Despite New Space Spending, Campus Getting Older

Total Capital Investment 2008 - 2014



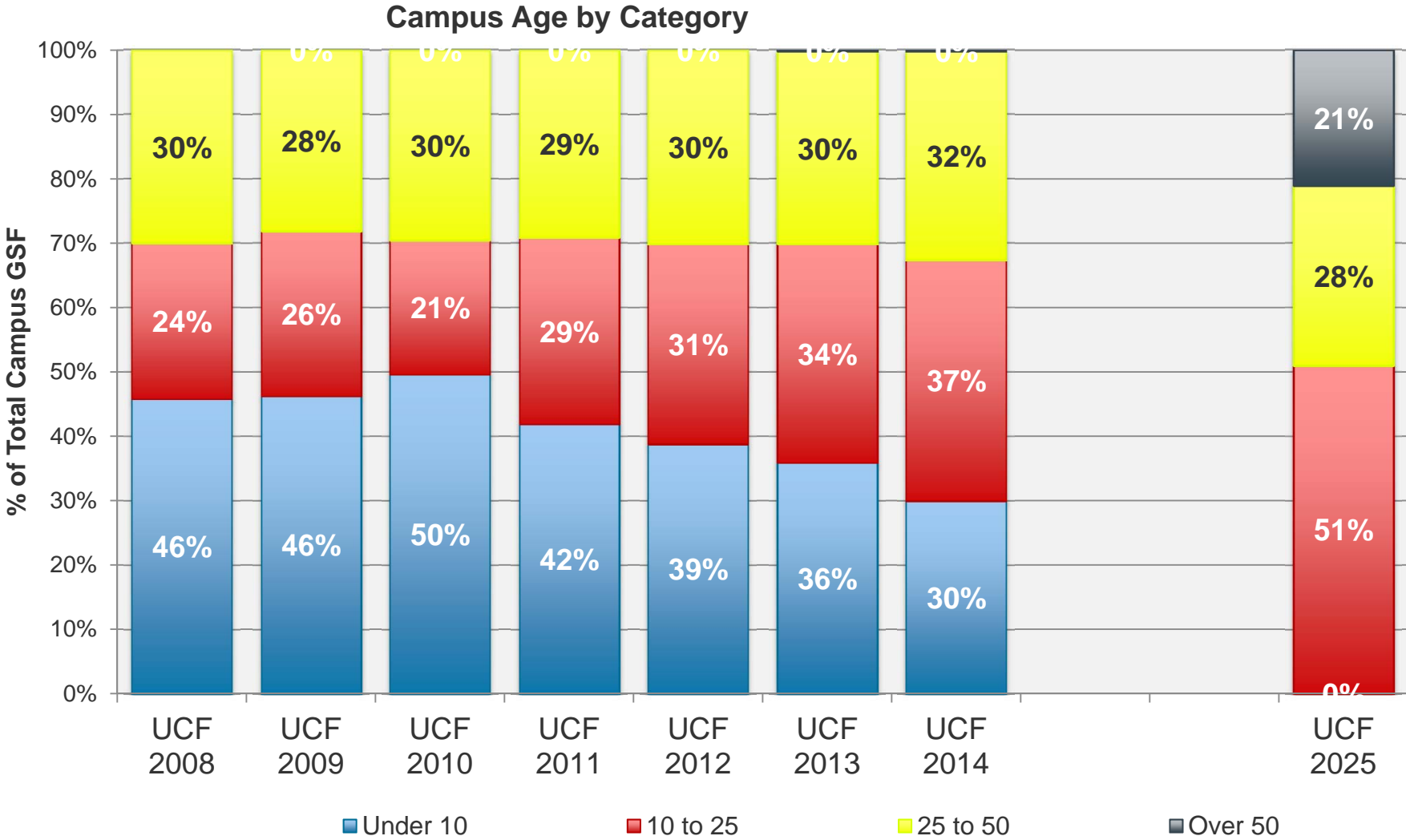
■ Total Existing Space Spending
■ Total New Space Spending

Campus Age by Category

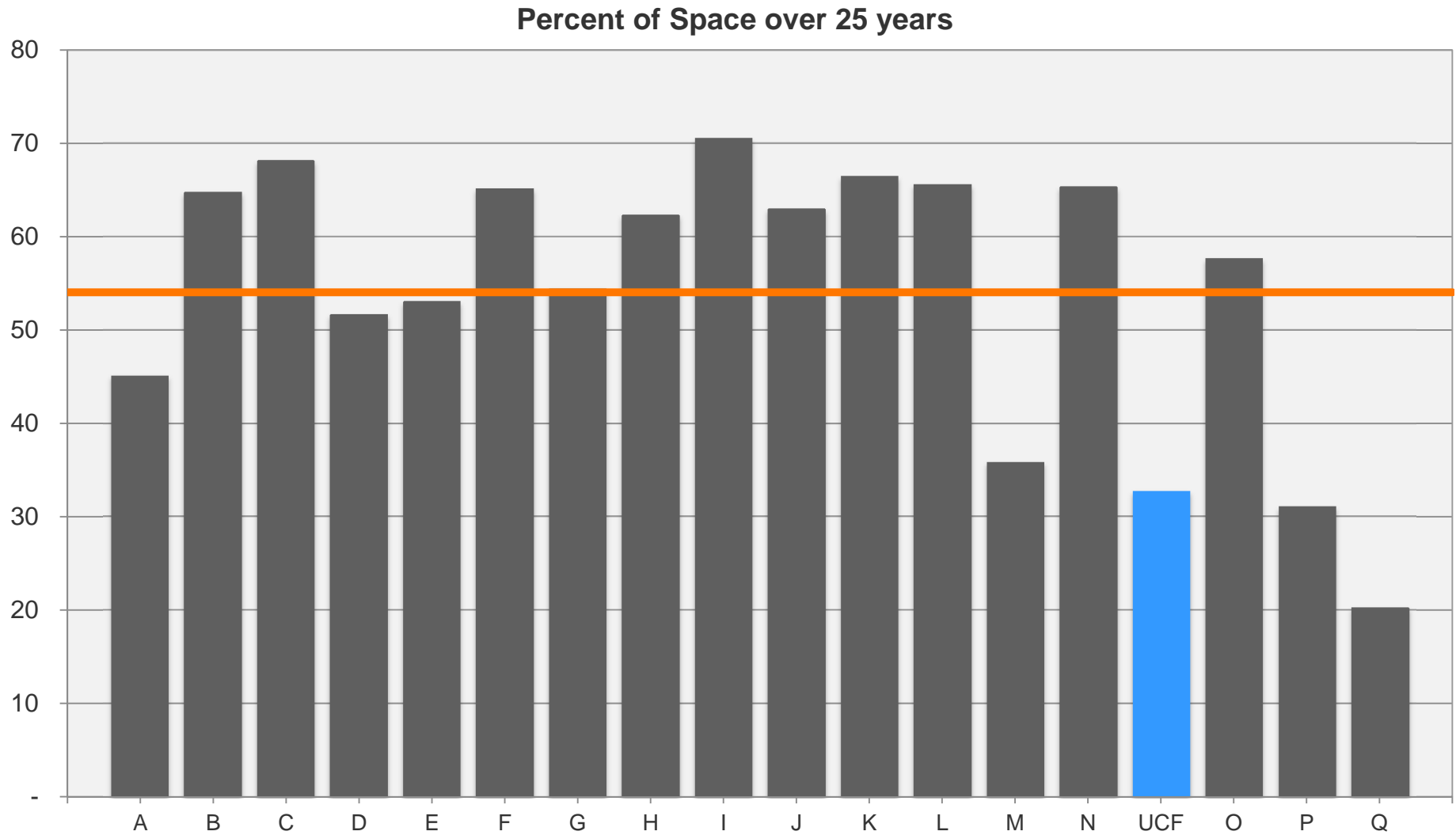


■ Under 10 ■ 10 to 25 ■ 25 to 50 ■ Over 50

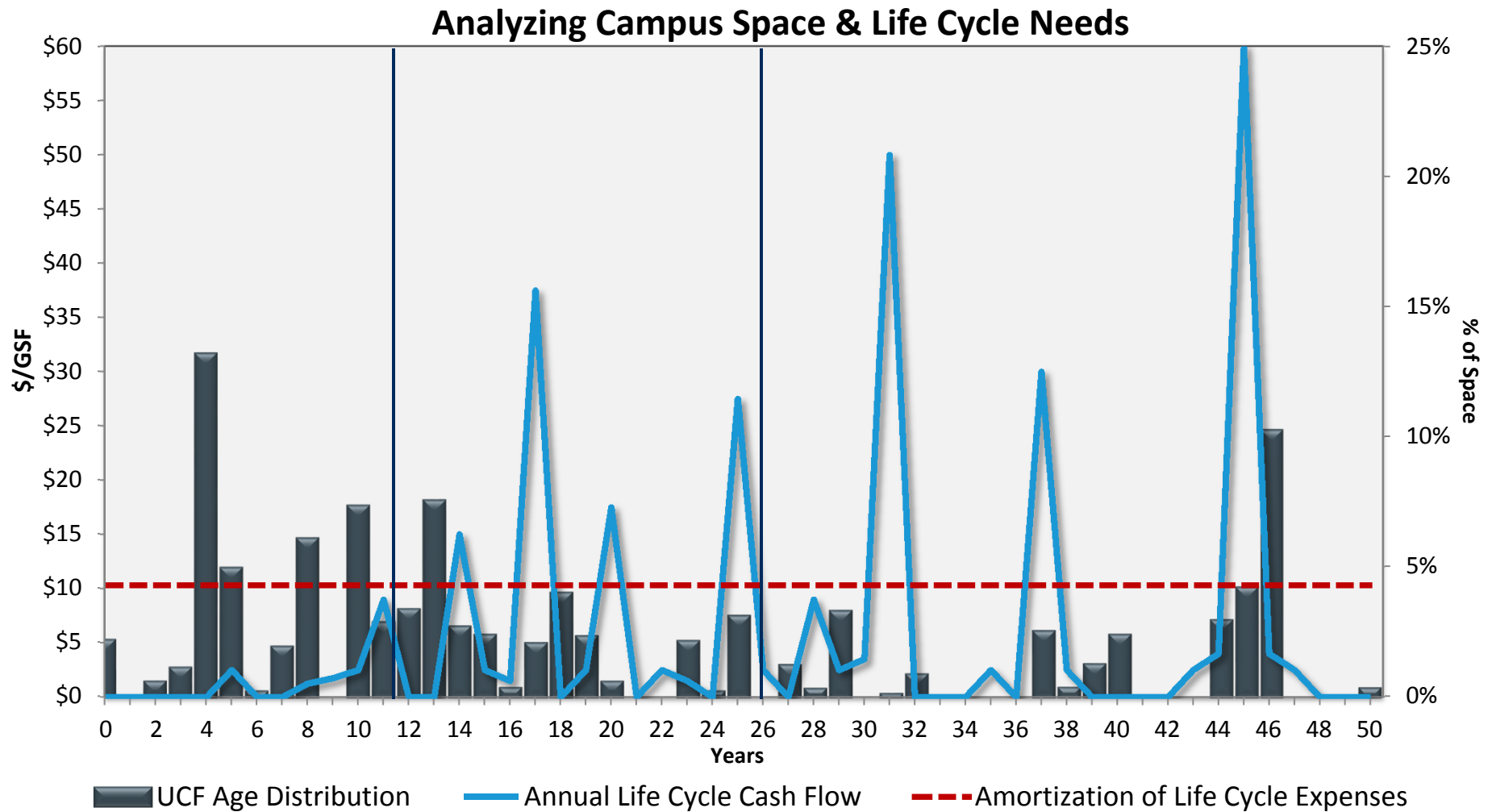
Space moving from “under 10” to “10 to 25” years



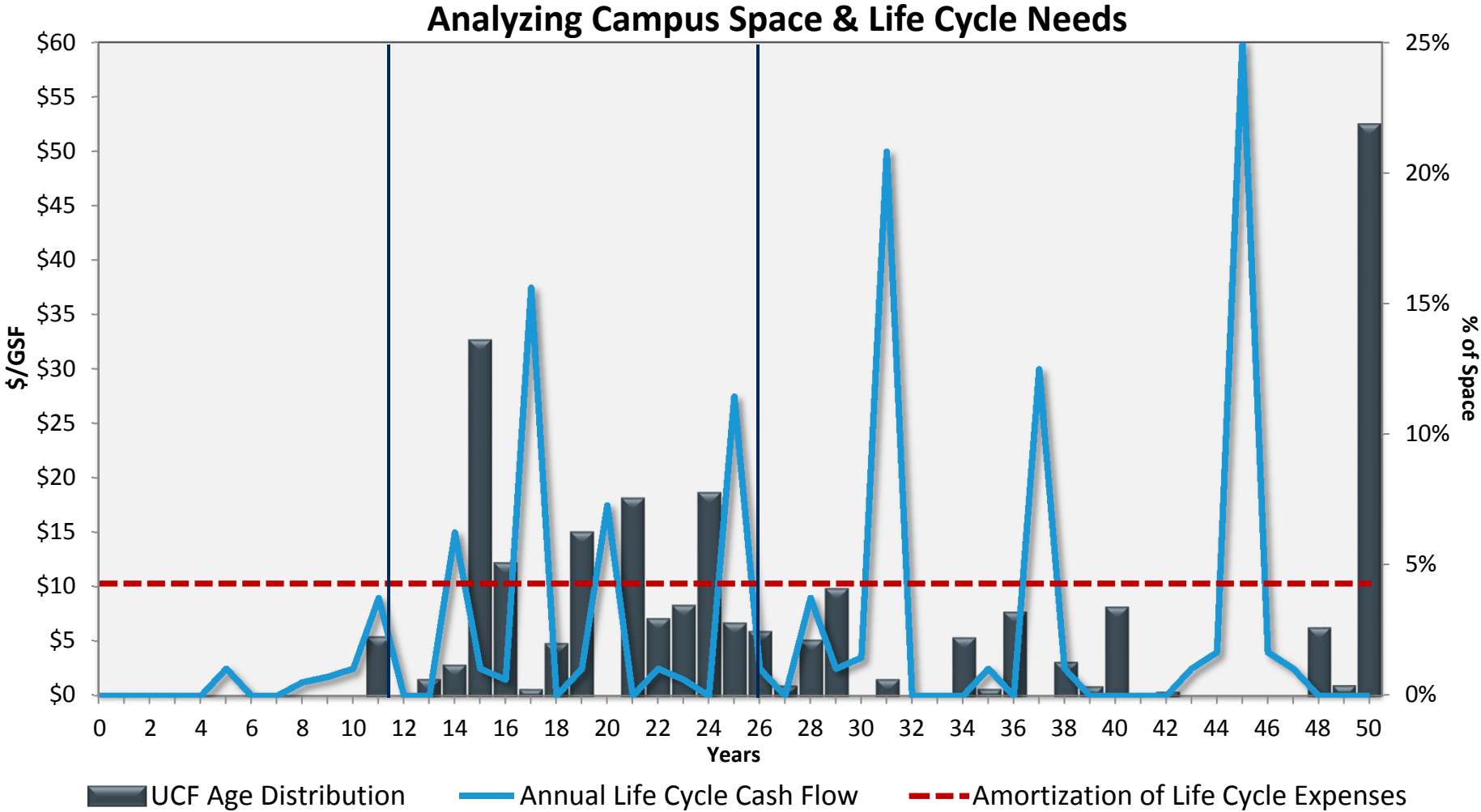
Campus Profile still one of the youngest in the peer group



Age Distribution - 2014

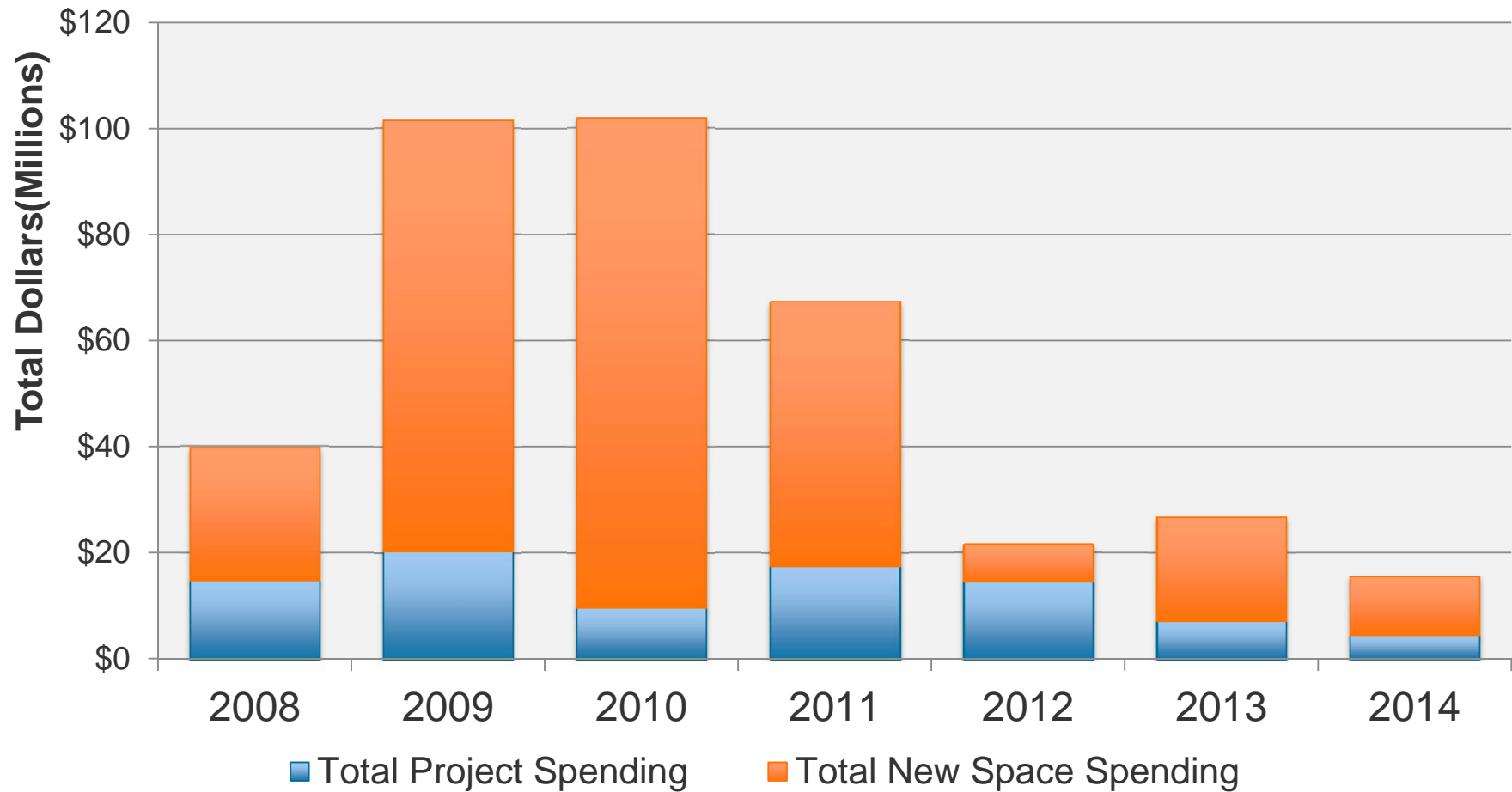


Age Distribution - 2025

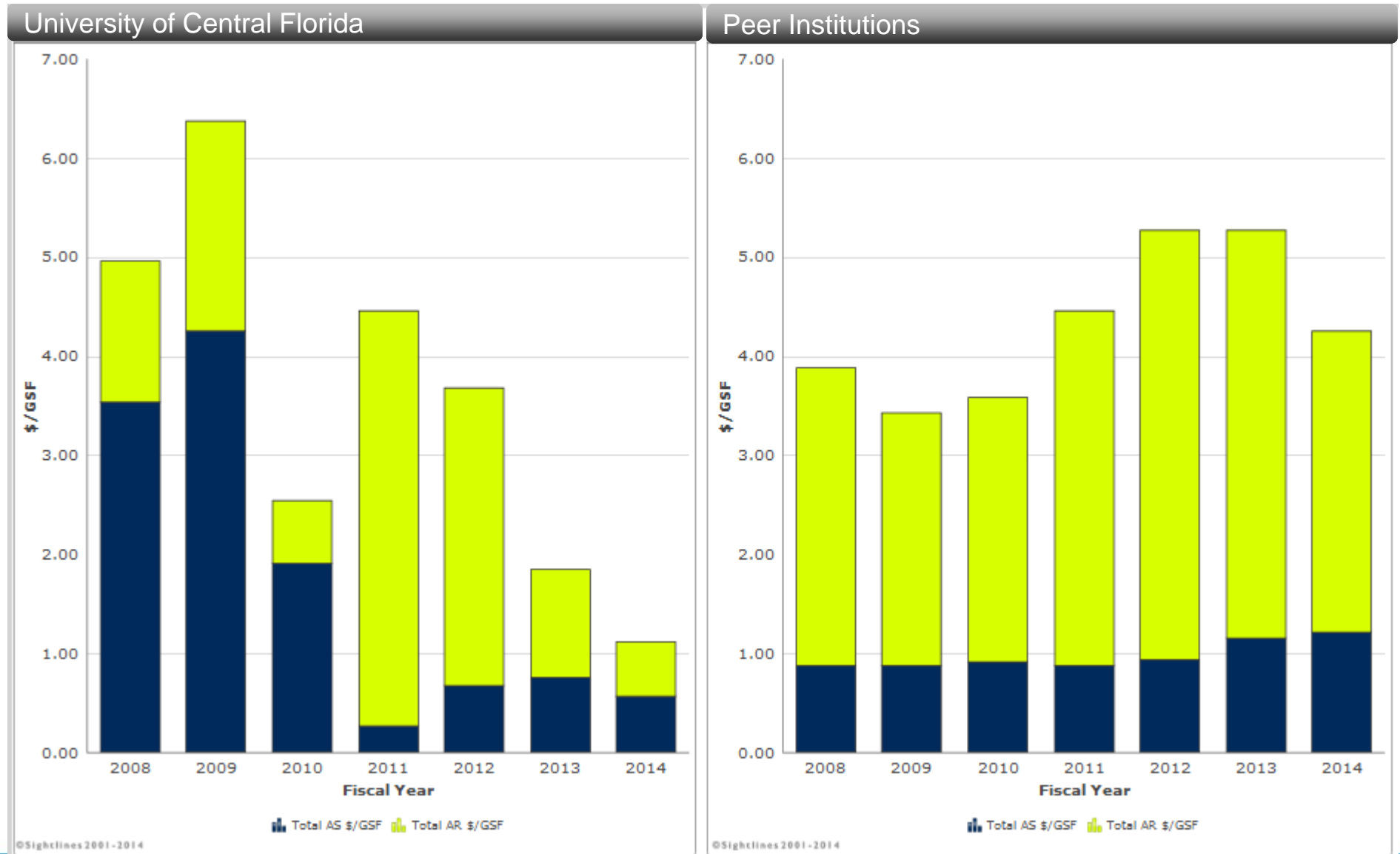


Total Capital Spending

Total Capital Investment 2008 - 2014

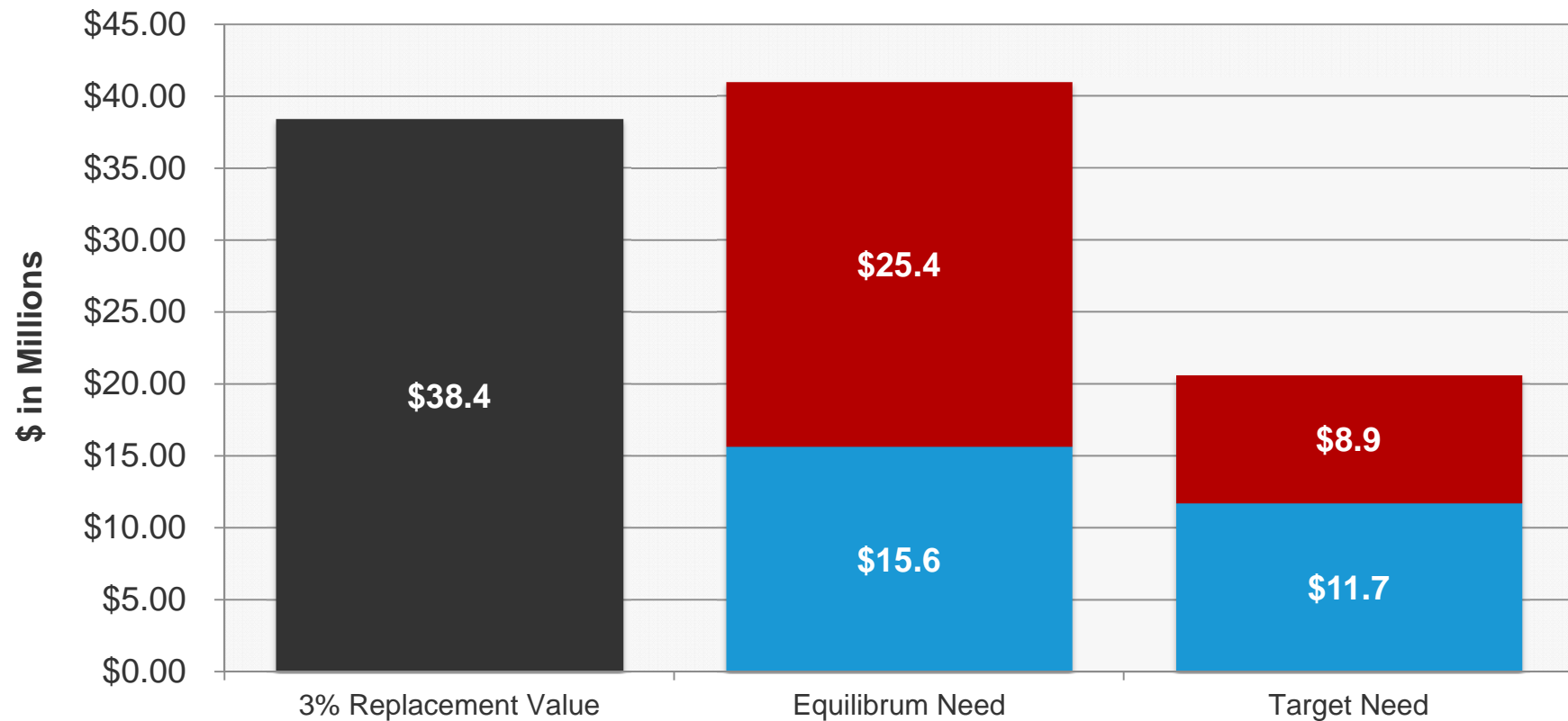


Reduced funding in recent years vs. peers



Campus Stewardship Targets

Defining an annual stewardship investment target



■ Envelope/Mechanical

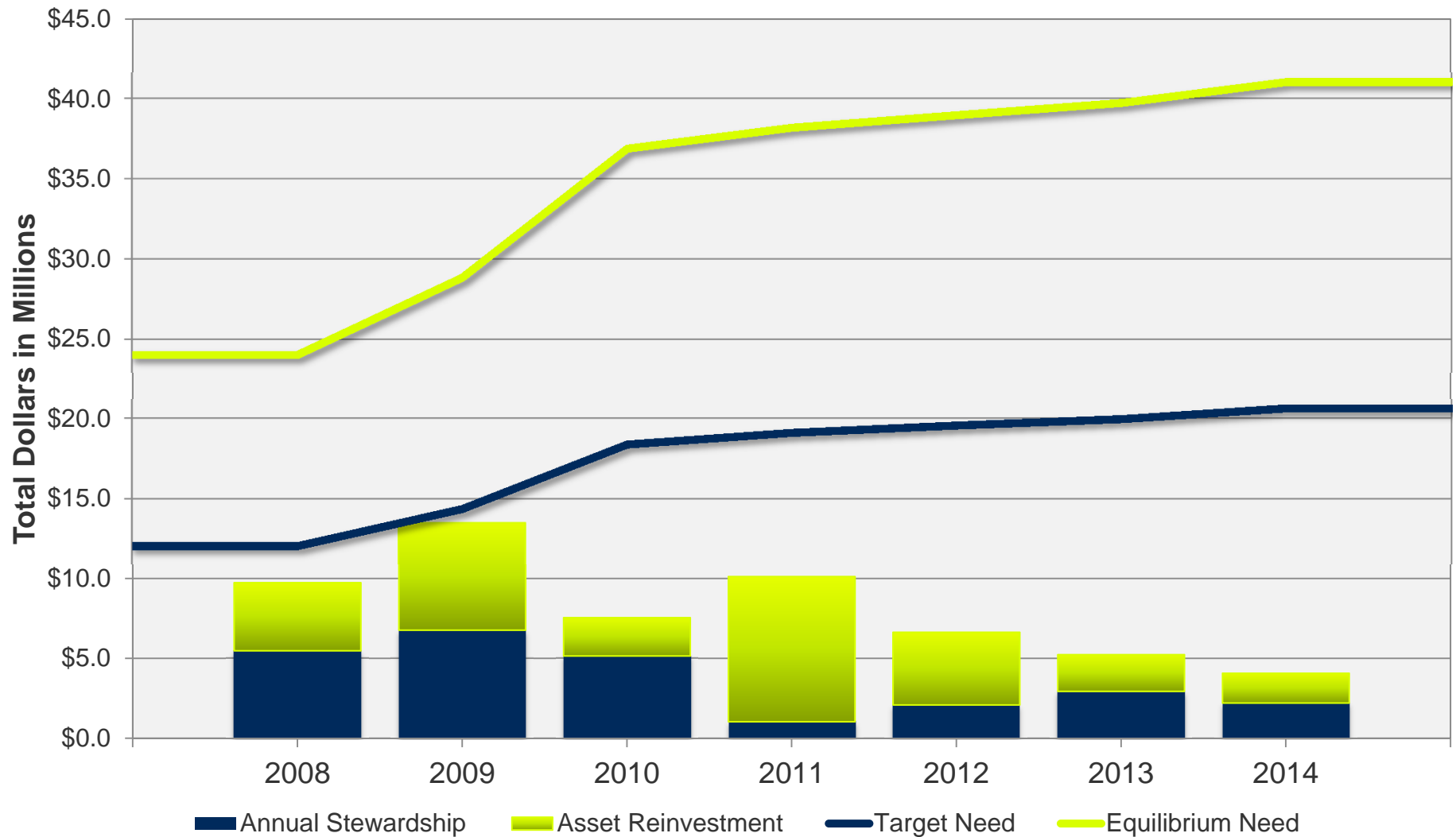
■ Space/Program

Depreciation Model

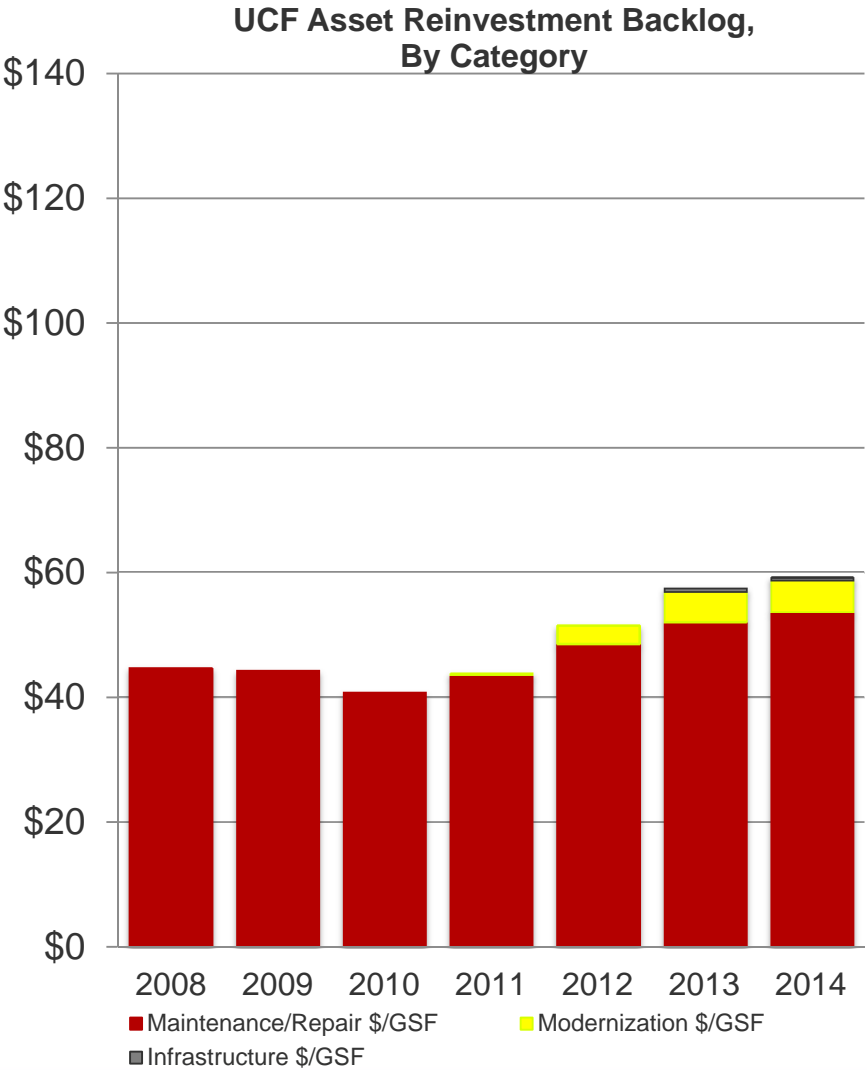
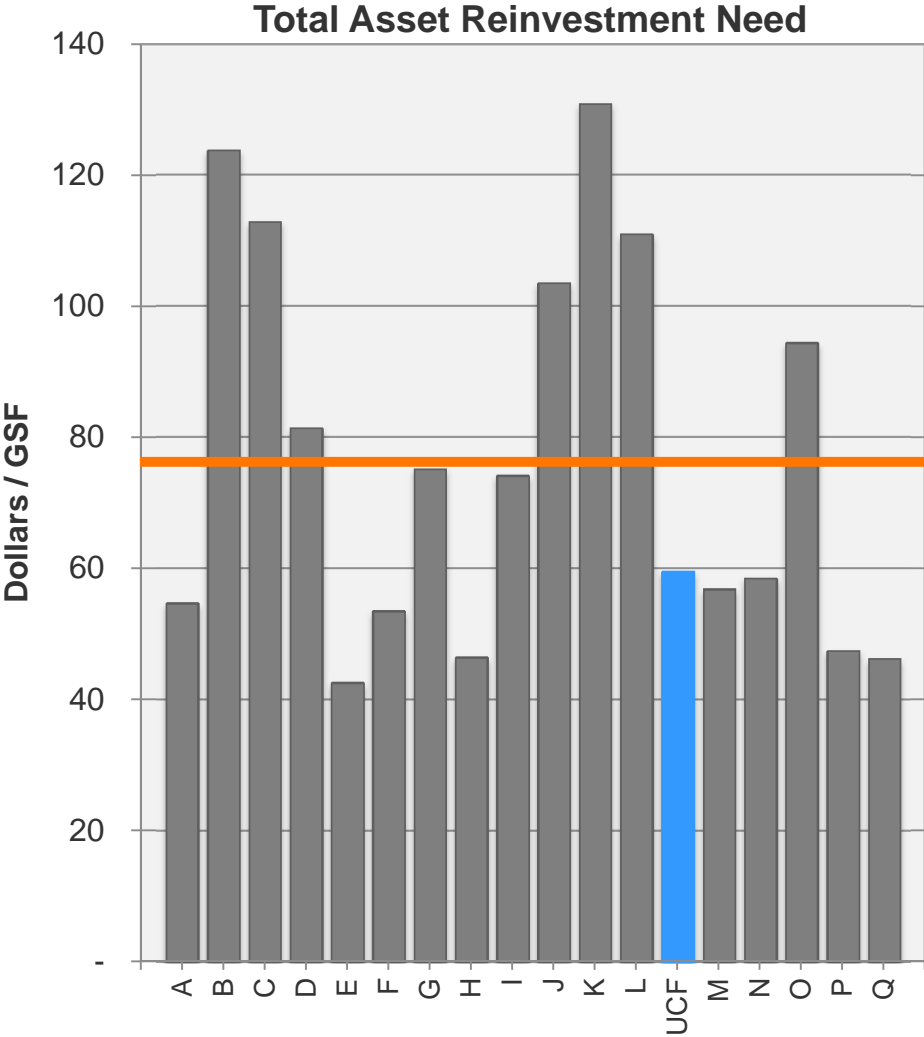
Sightlines Recommendation

Current Investment falls short of growing need

Deferral rate increases in each subsequent year



Backlog has been growing, still below peers

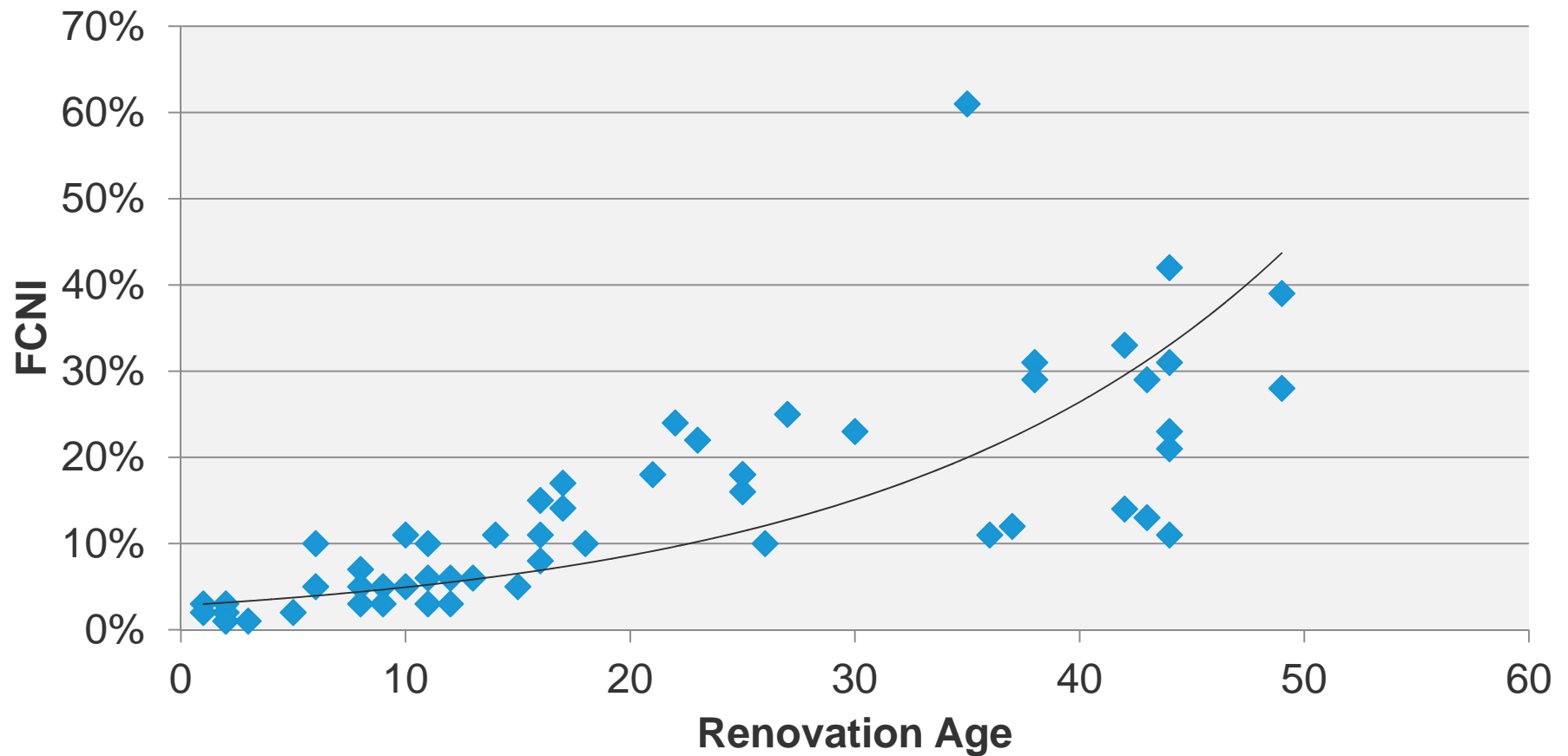


Understanding the backlog helps with prioritization

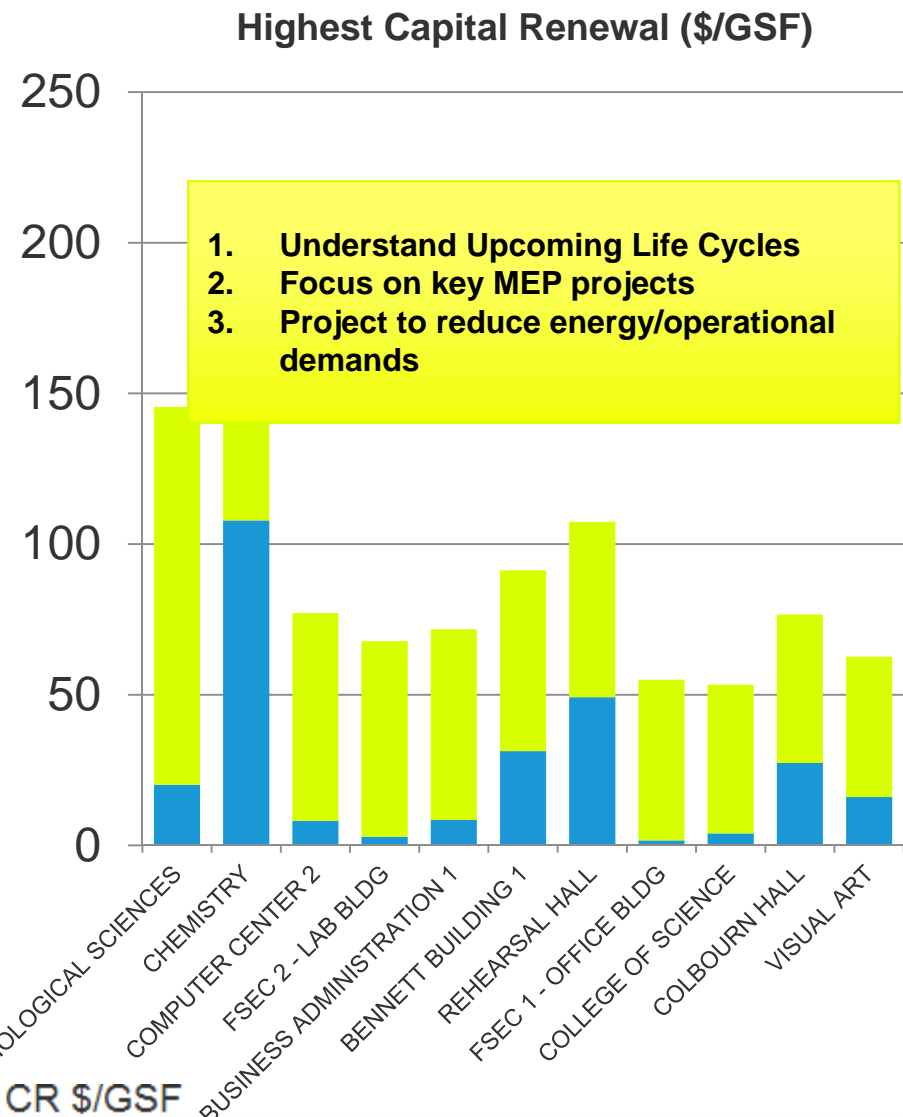
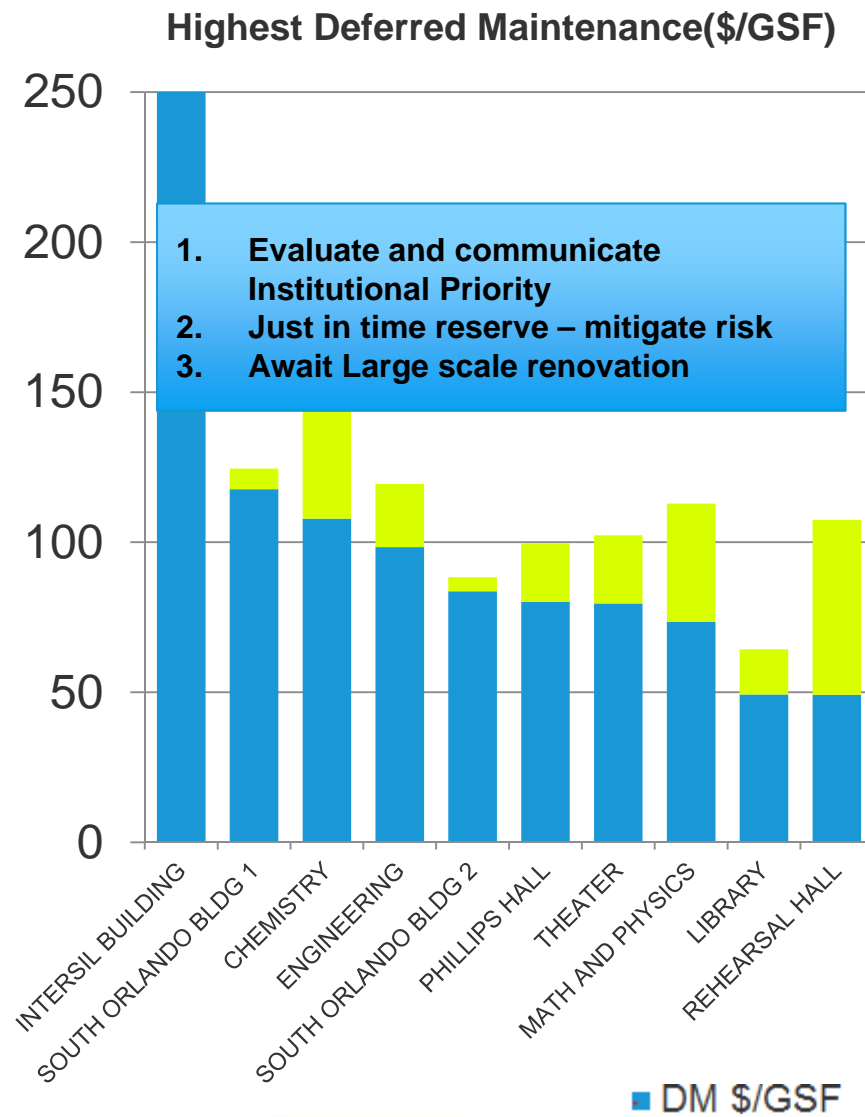
ISES provides foundation for making investment decisions

Building Age vs. FCNI

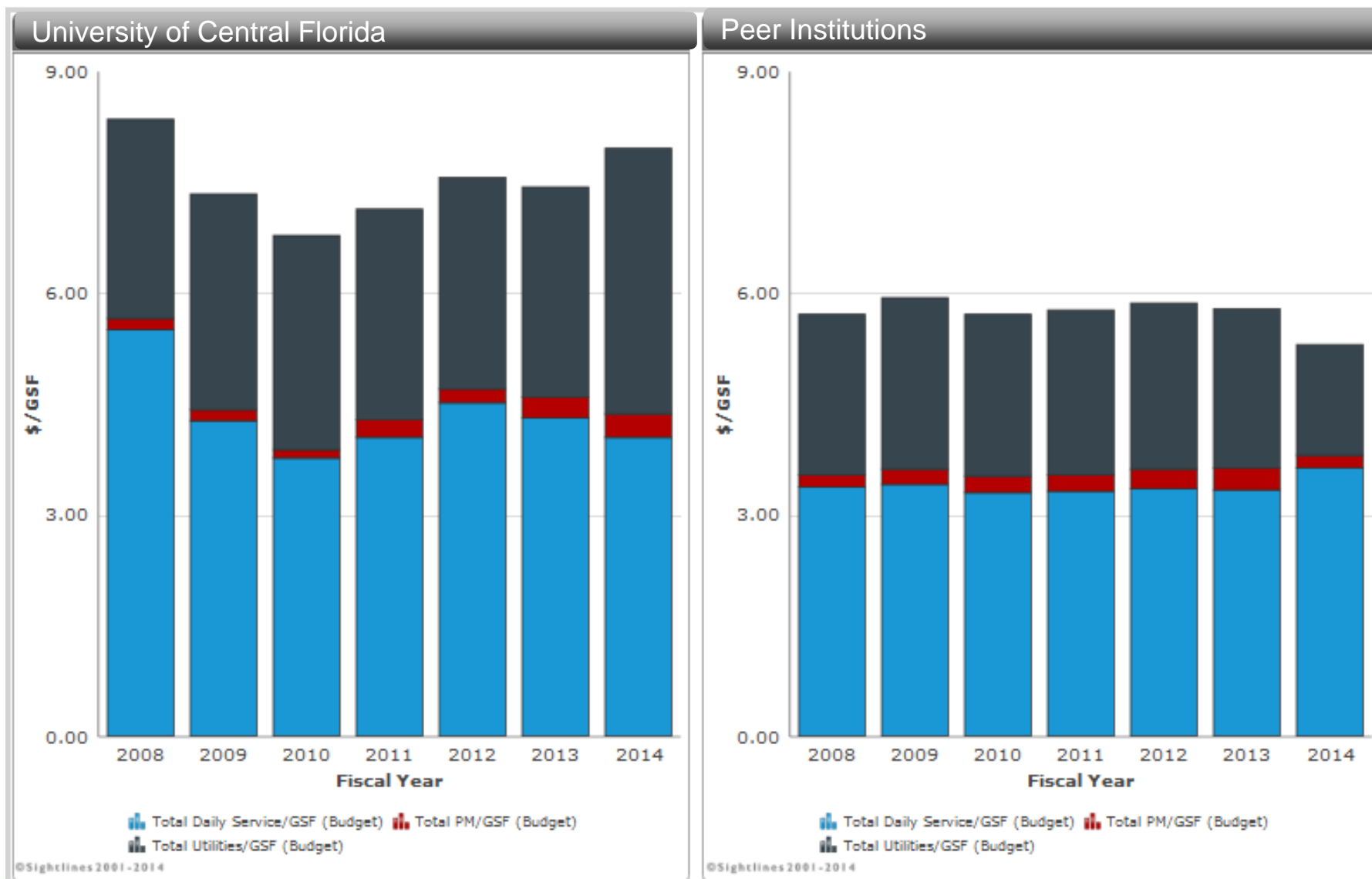
Buildings over 5,000GSF



Differentiating investment strategies

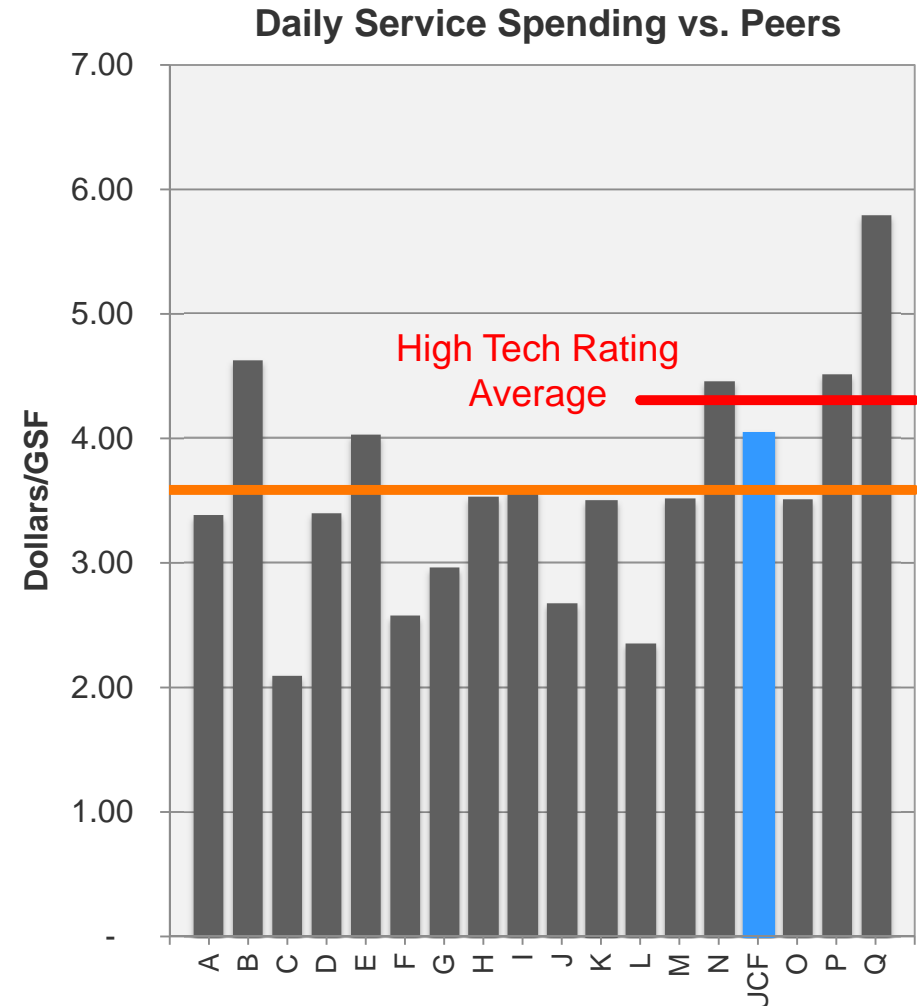
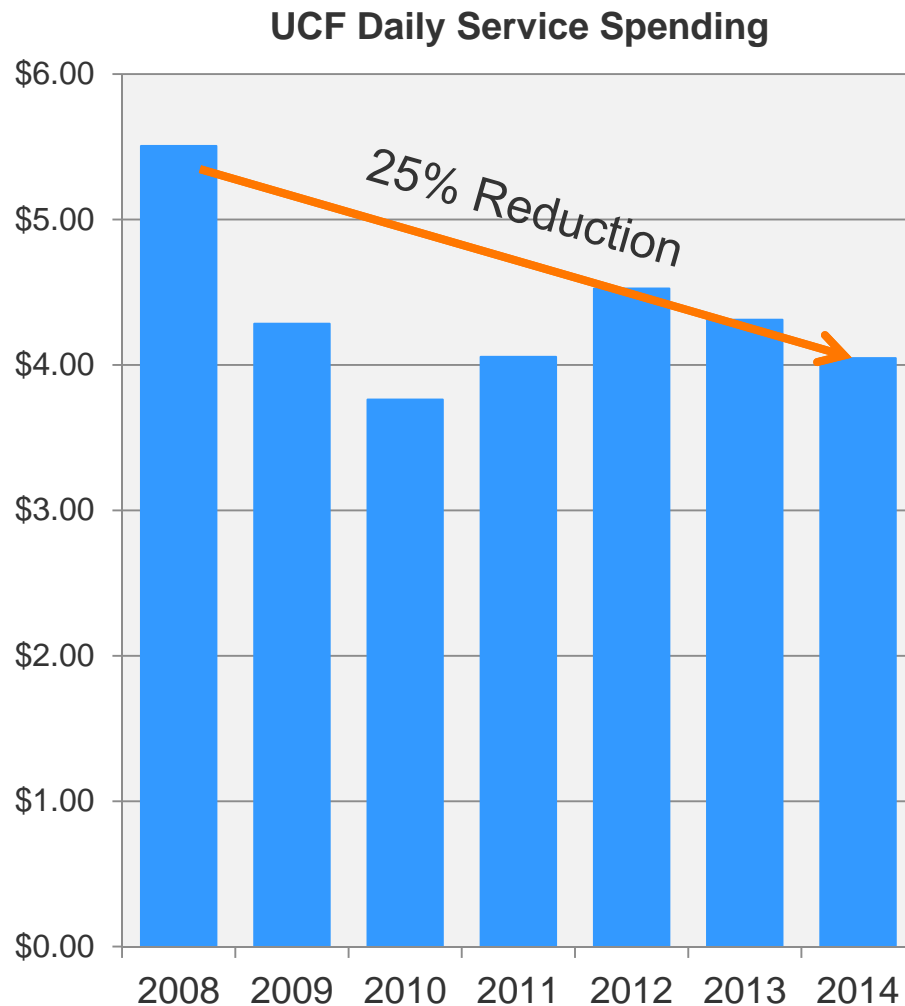


UCF total budget remains above peers



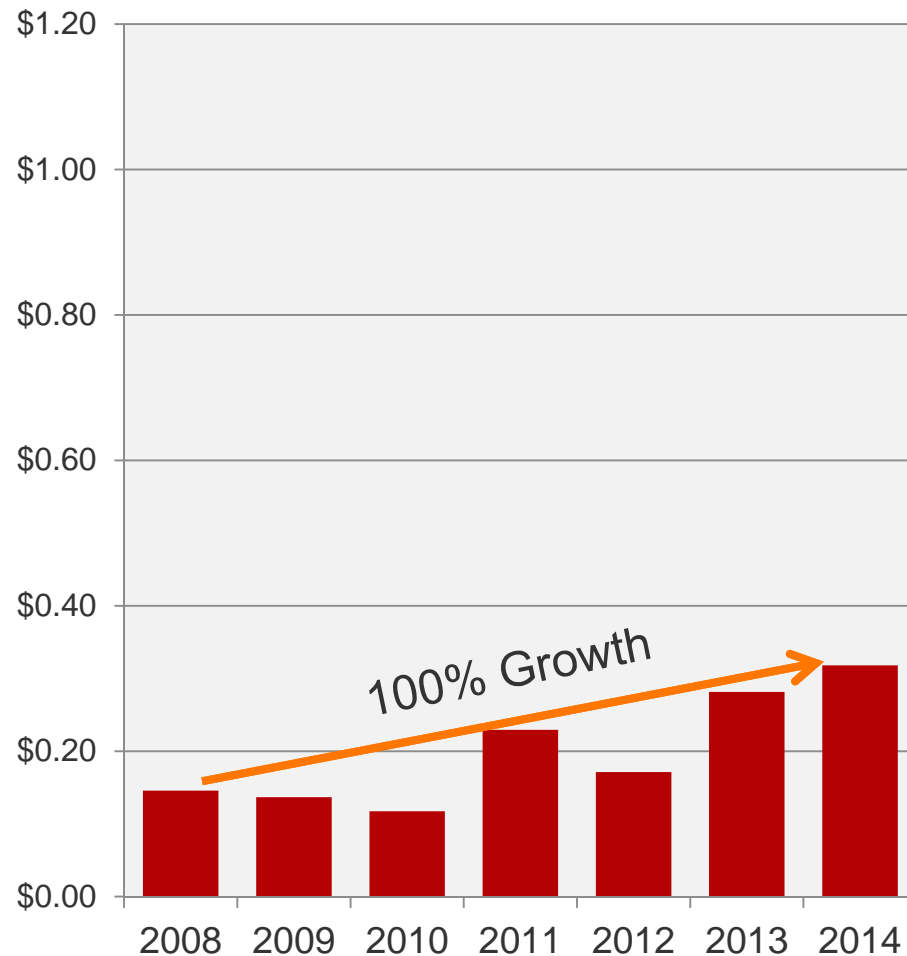
Daily service budget has been decreasing

Now competitive with high tech rating peers

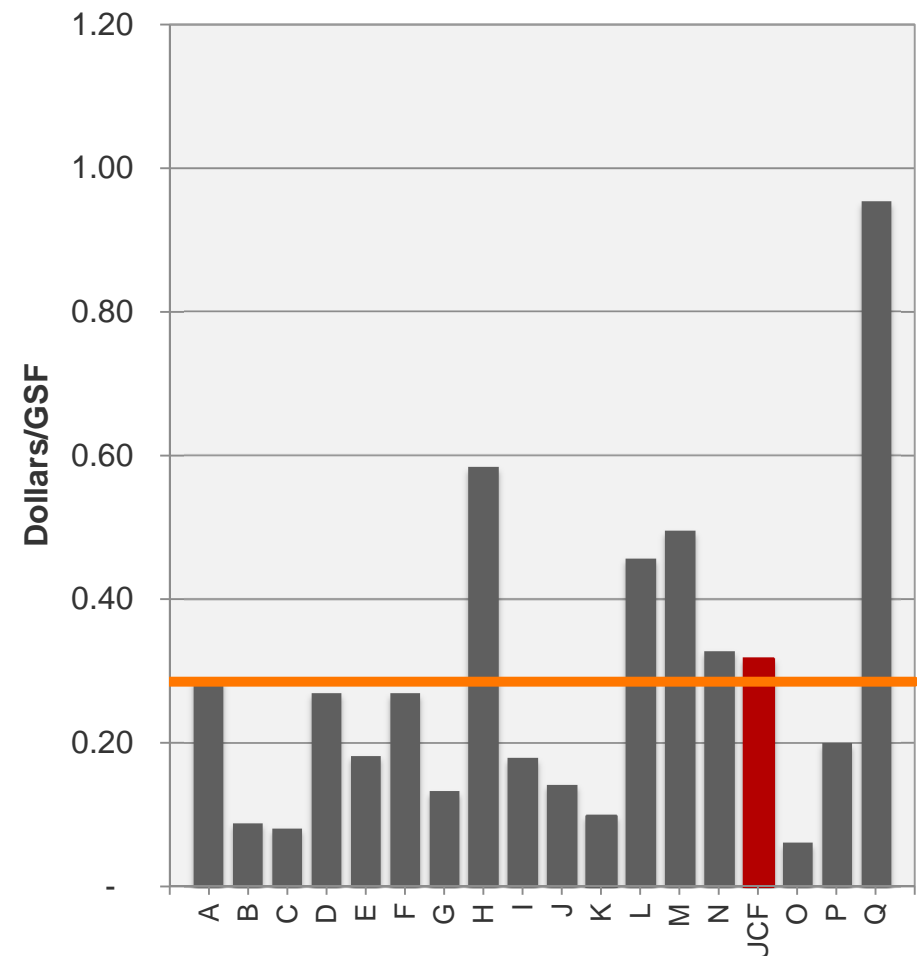


Steadily increase in value added work

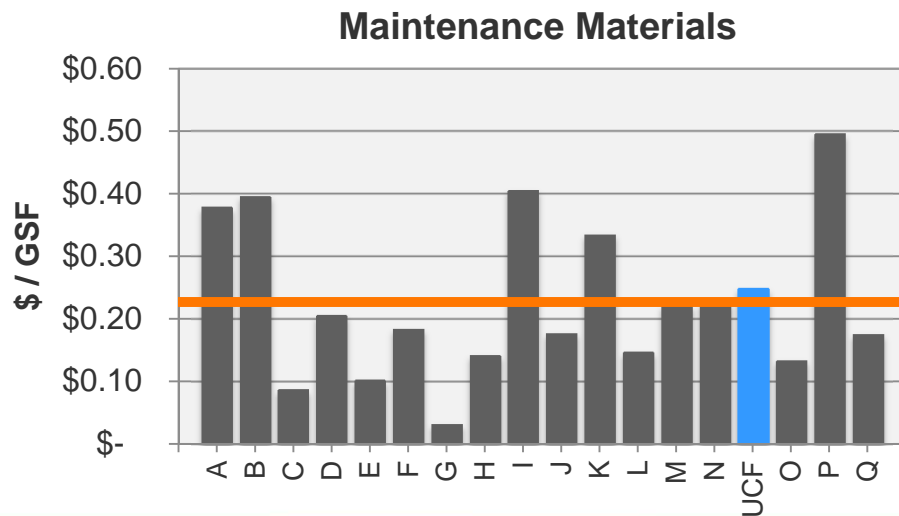
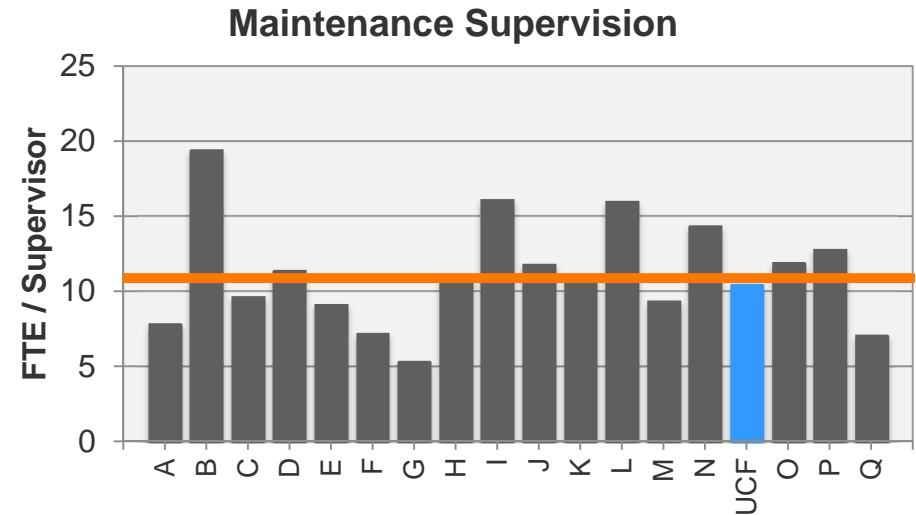
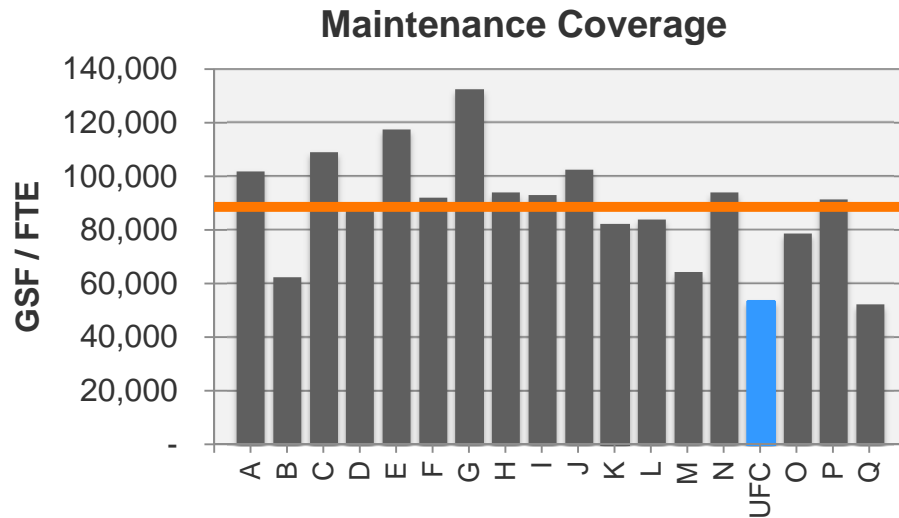
UCF Planned/Preventative Maintenance



Planned/Preventative Maintenance vs. Peers



Higher maintenance resources compare to peers



General Repair Scores

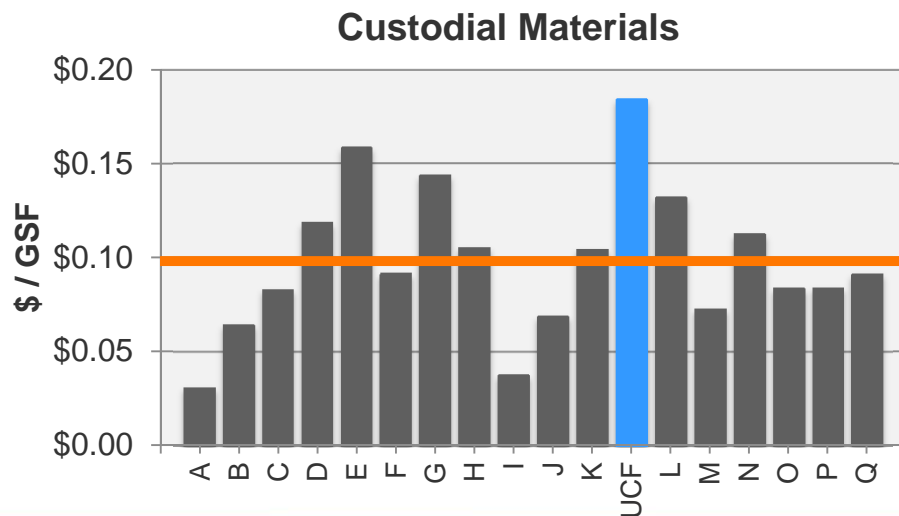
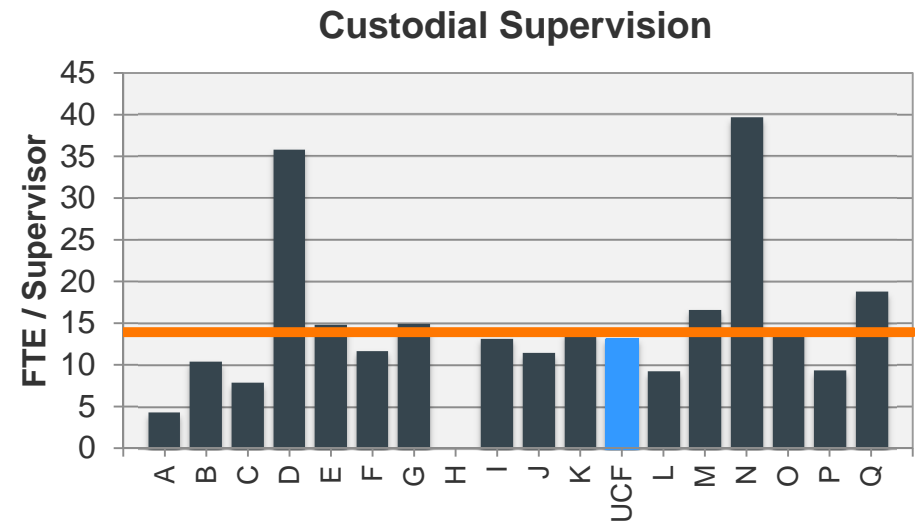
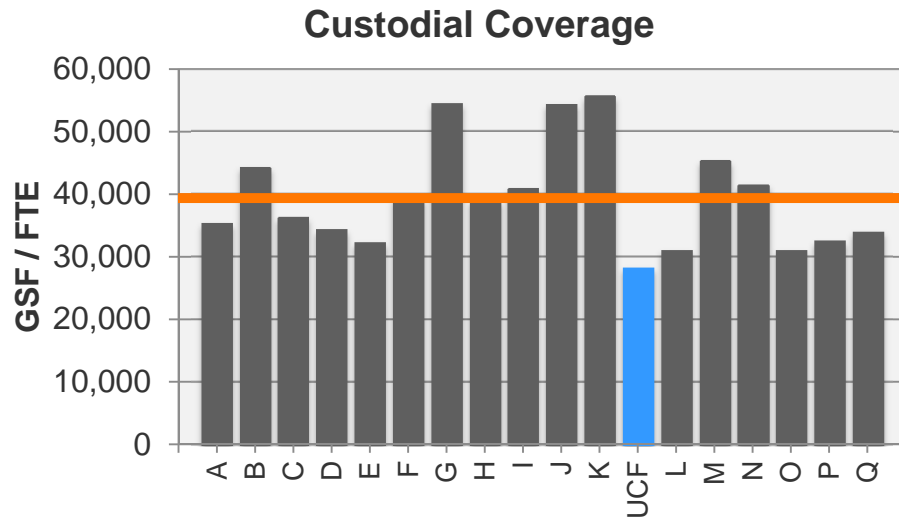
UCF 2013 Score **3.6**

UCF 2014 Score **3.8**

Peer Score **3.8**

**Institutions ordered by tech rating*

Custodial supervision is now inline with peers



Cleanliness Scores

UCF Score 2013 **3.9**

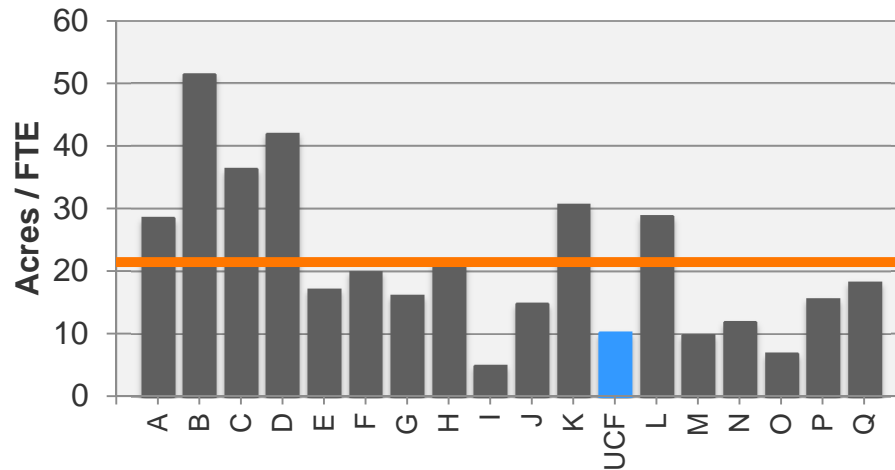
UCF Score 2014 **4.0**

Peer Score **4.1**

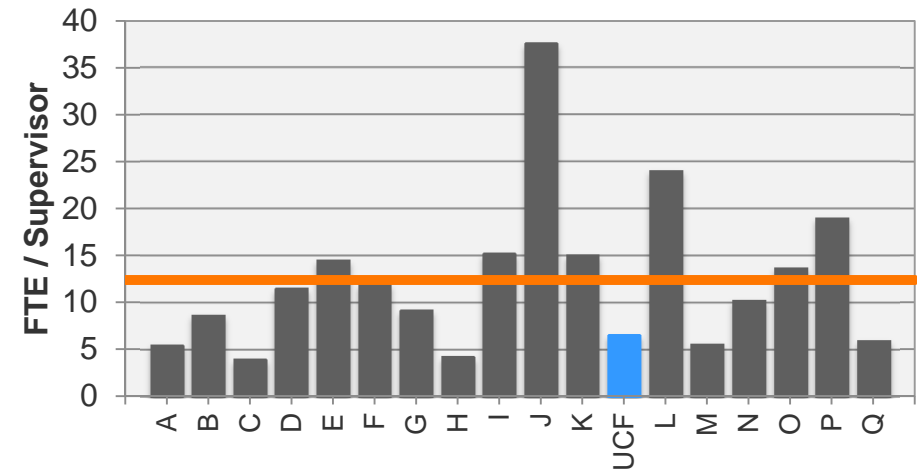
**Institutions ordered by density factor*

Strong Grounds Performance

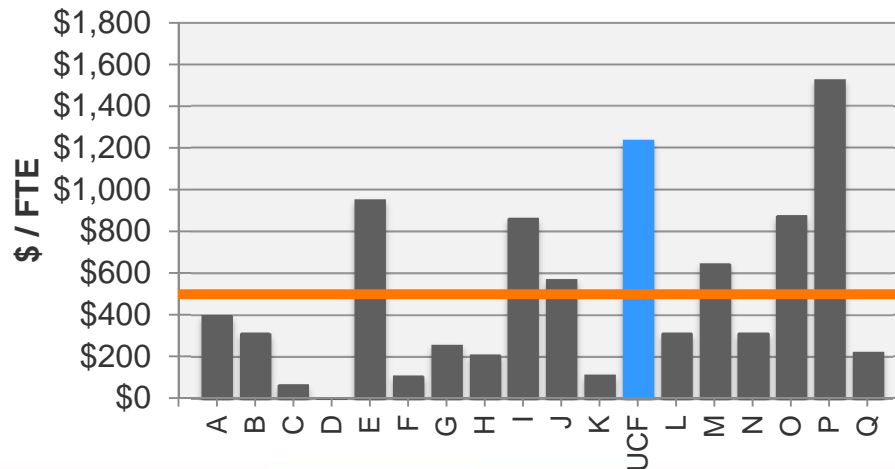
Grounds Coverage



Grounds Supervision



Grounds Materials



Grounds Scores

UCF Score 2013 4.0

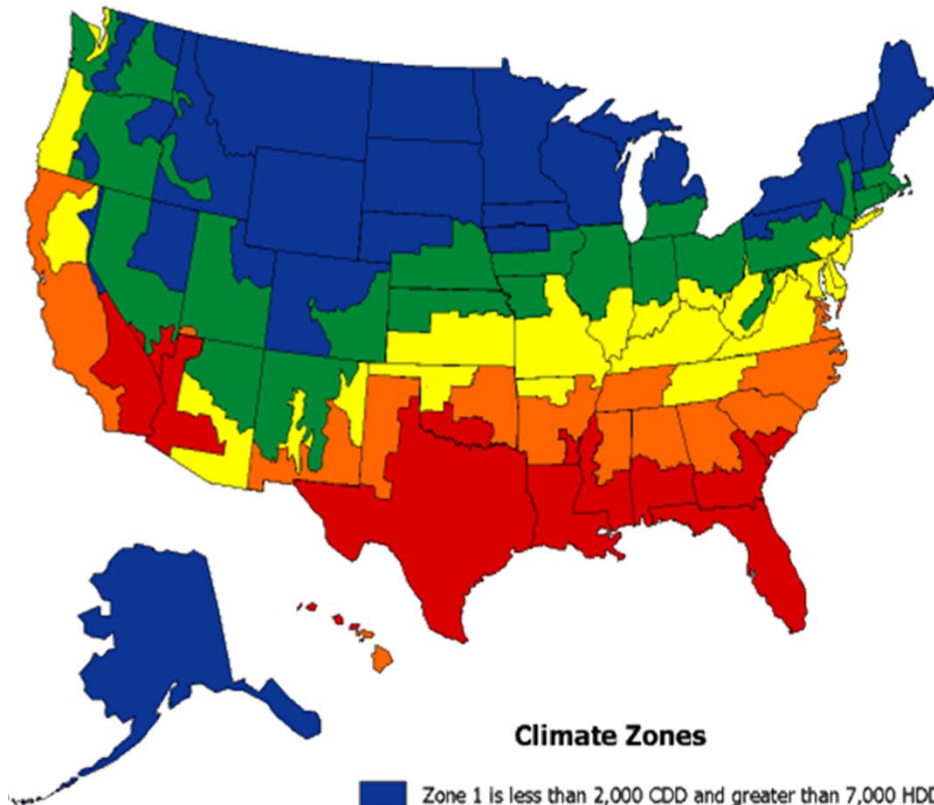
UCF Score 2014 4.1

Peer Score 3.9

**Institutions ordered by grounds intensity*

Energy peer group

UCF is in climate zone 1



Institution

University of Florida - E&G

Georgia Institute of Technology - Facilities

Nova Southeastern University - Main Campus

University of Southern Mississippi

Eckerd College

Clemson University - E&G

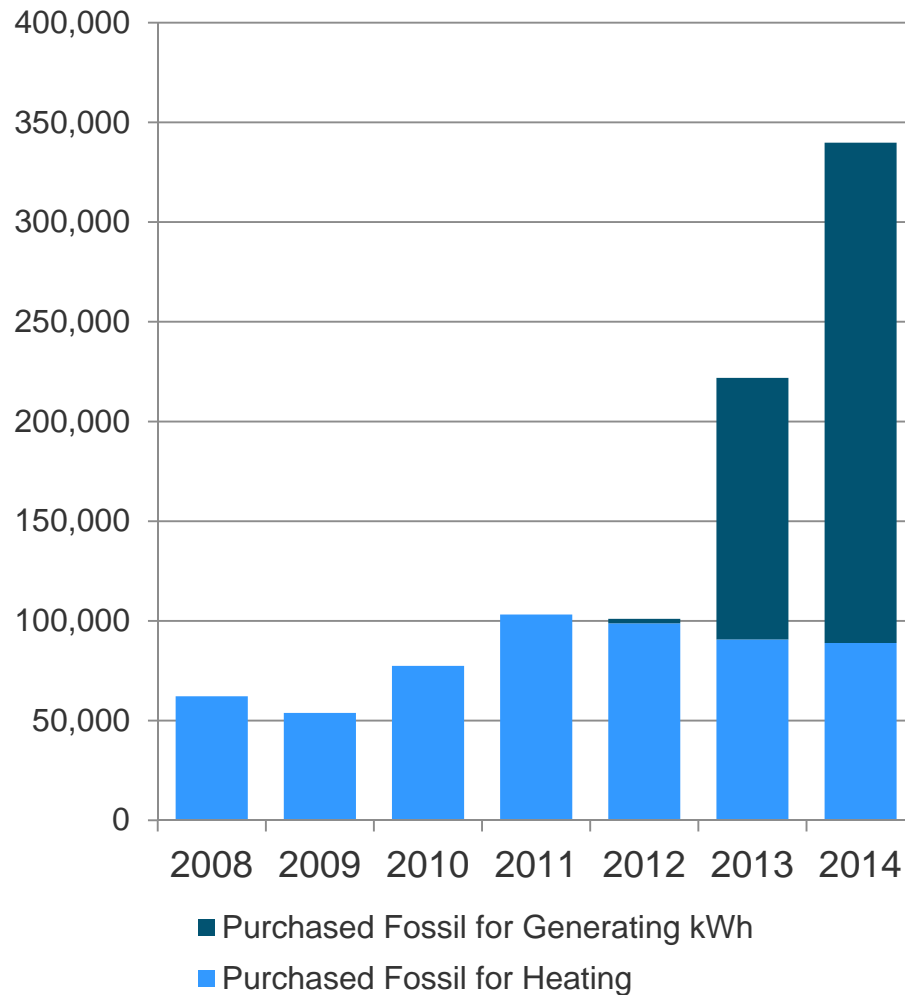
Florida State University

Comparative Considerations

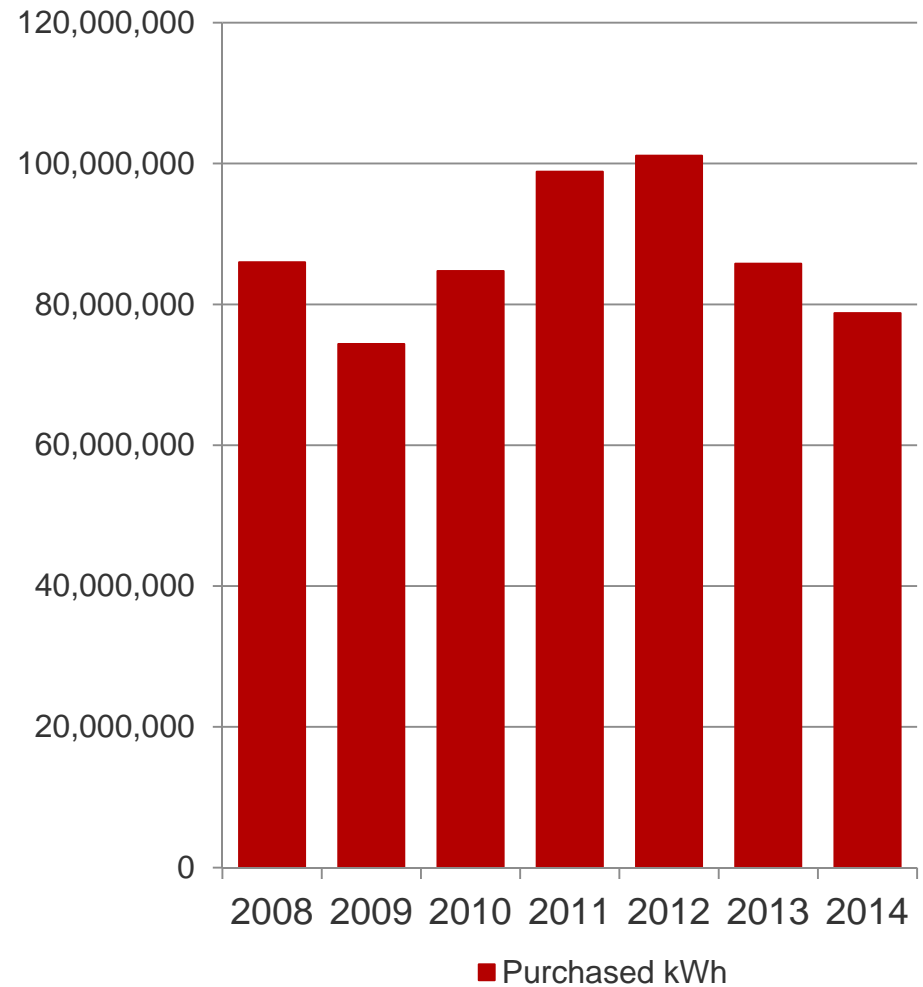
Size, technical complexity, and geographic location.

Purchased Utilities – Increasing fossil with Cogen

Purchased Fossil Fuel



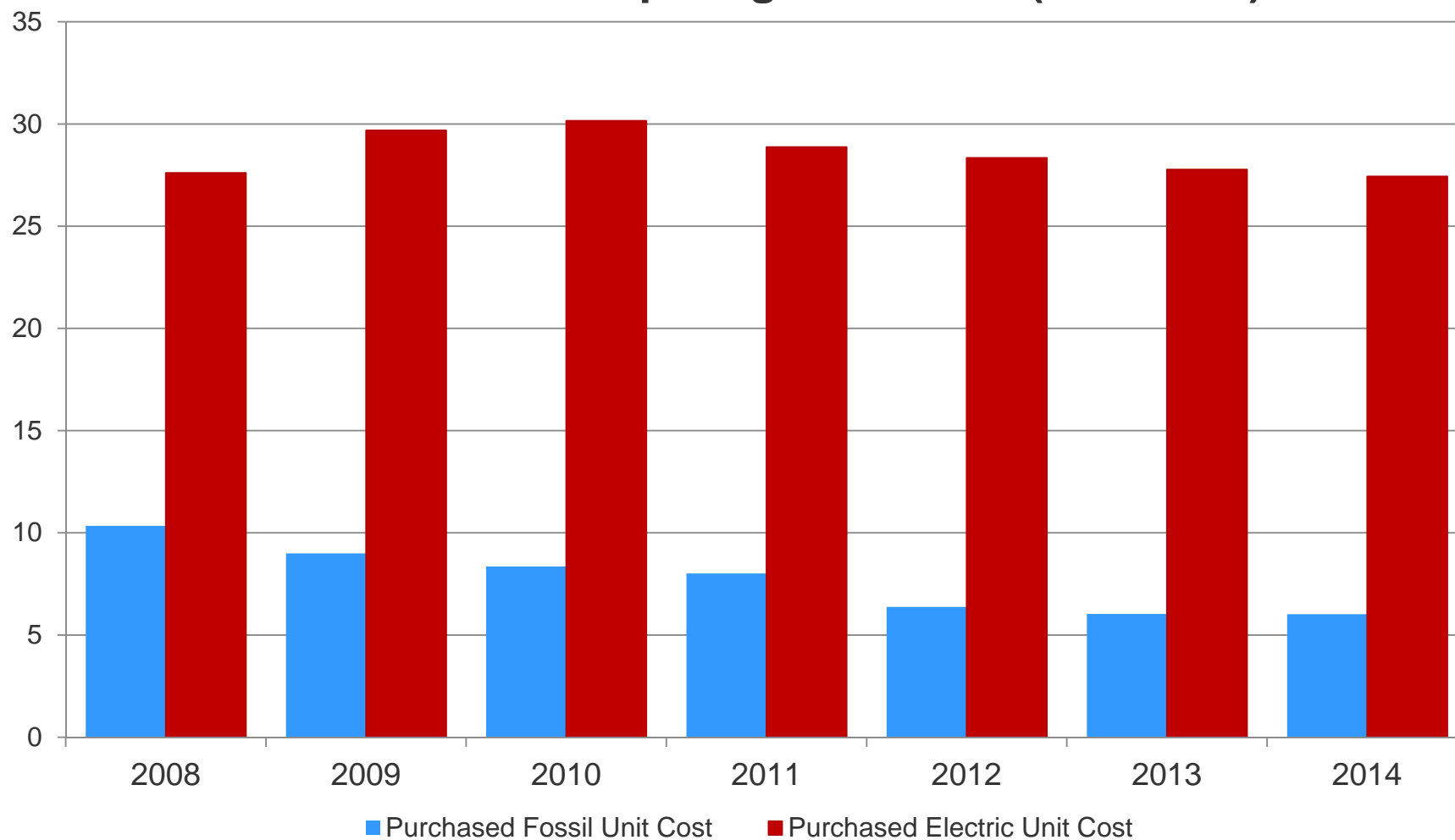
Purchased Electric



Unit Cost by Fuel type

Fossil cost lower and declining compared to electric

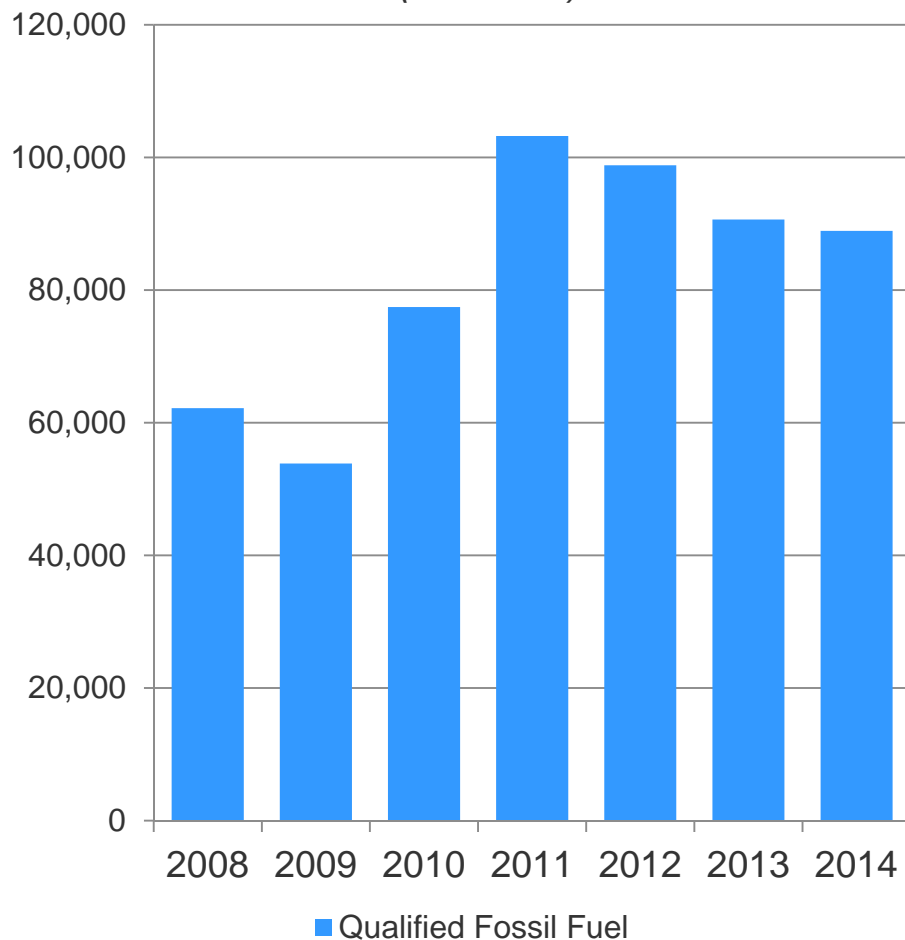
Comparing Unit Costs (\$/MMBTU)



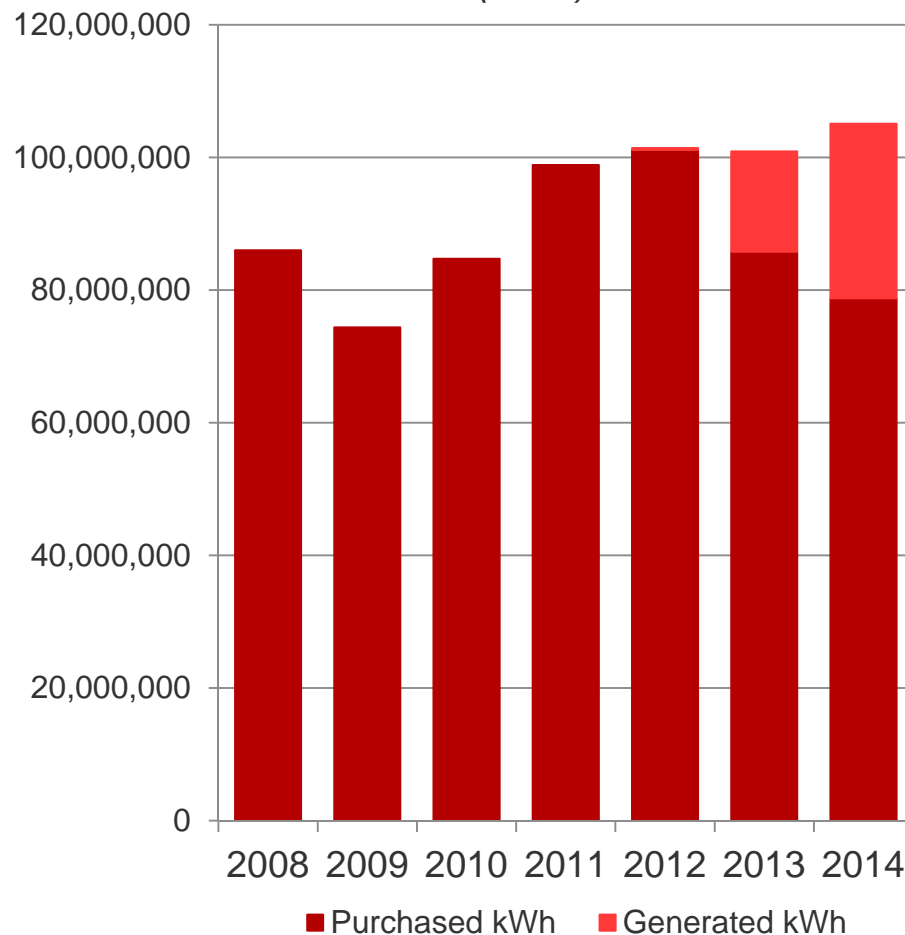
“Qualified” Utilities

Account for Electric Generation

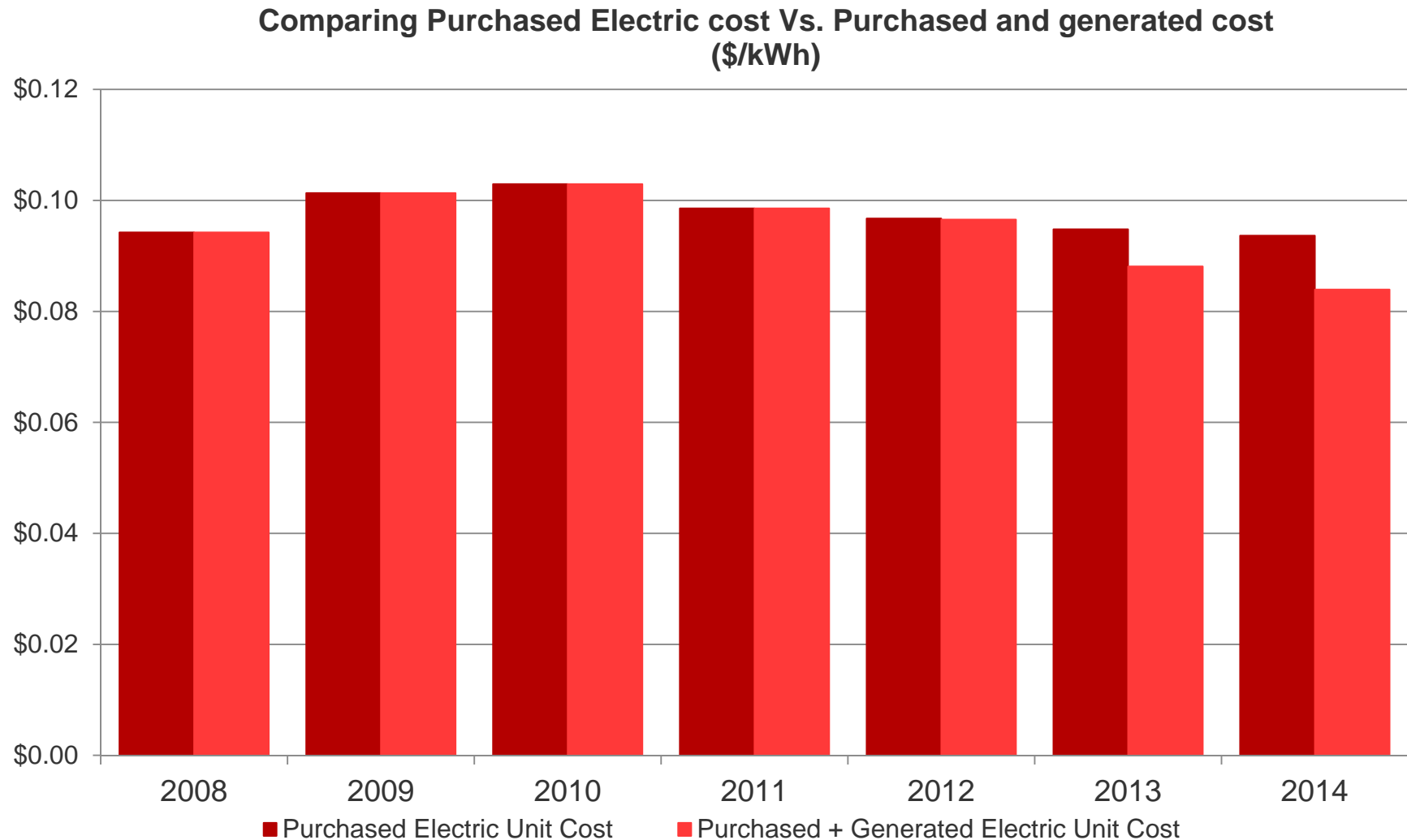
Qualified Fossil Fuel
(MMBTU)



Purchased Electric
(kWh)



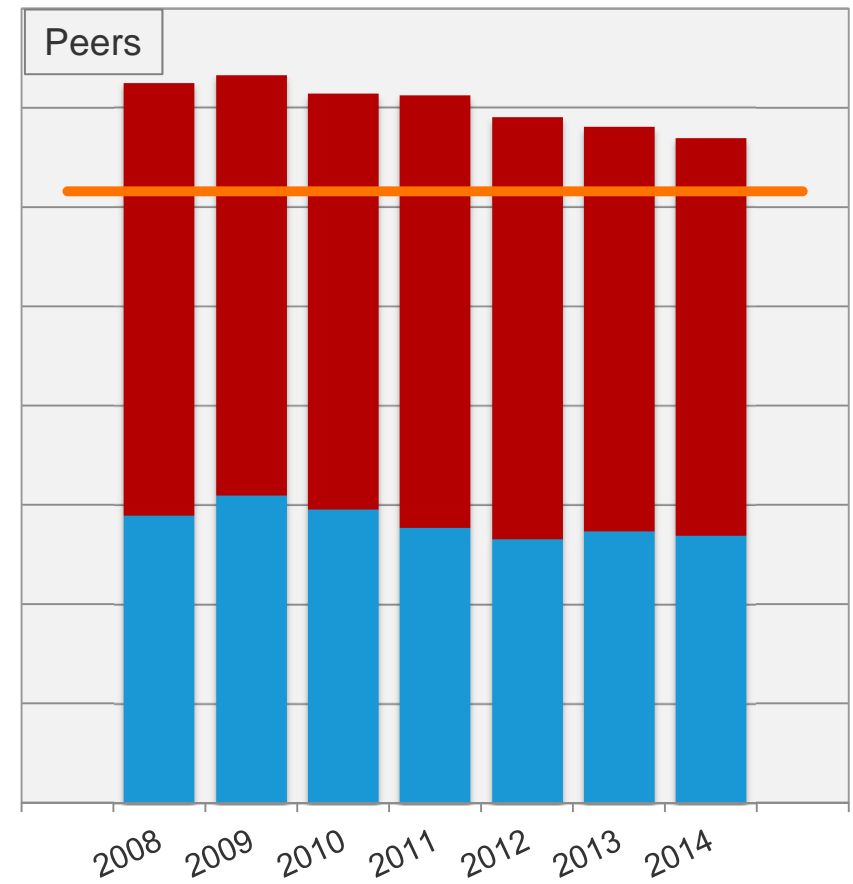
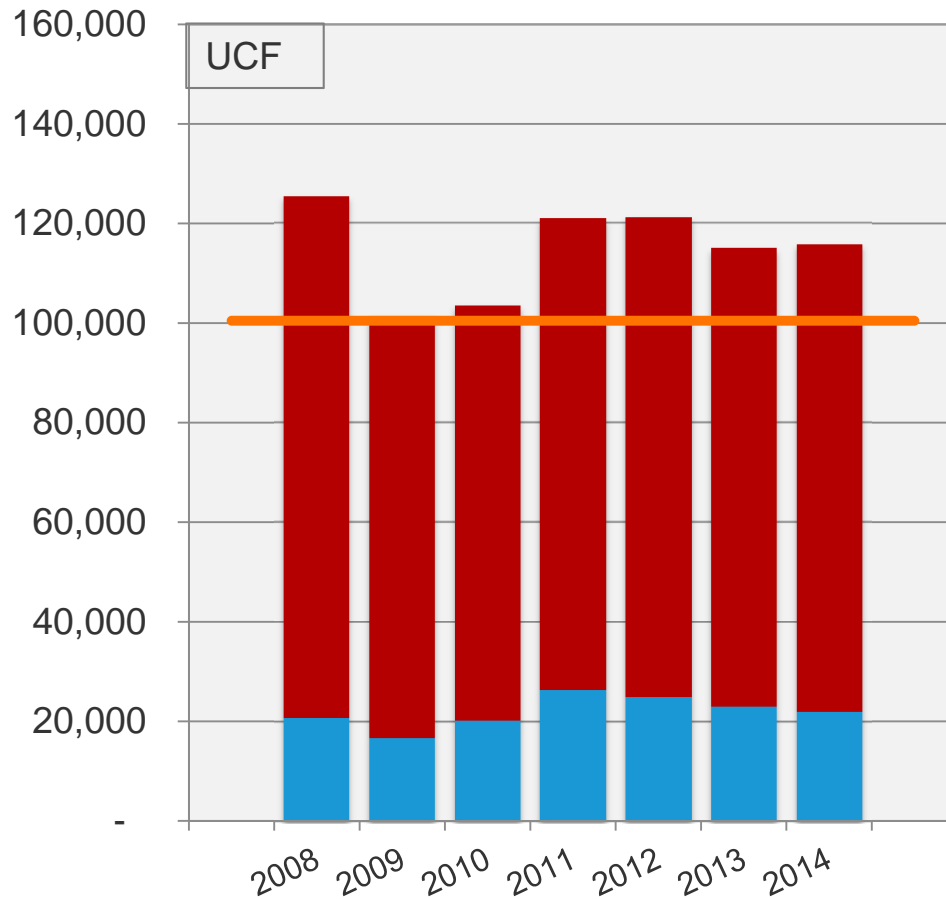
Cost avoidance realized with Cogeneration



*Unit cost and cost avoidance do not factor for the steam byproduct, actual savings are likely greater

Energy Consumption

Lower consumption, trending down on a GSF basis



Concluding Remarks

- > Space Profile:
 - > If the trend of on campus students being replace by online students continues, identify ways to improve utilization of current facilities.
 - > As some key buildings reach critical life cycles, evaluate if the facilities continue to meet the needs of the university or if they should be repurposed/eliminated
- > Capital Profile:
 - > Without having funding to address all needs:
 - > For younger facilities, predict upcoming life cycles and attempt to fund them as they come due(minimize deferral)
 - > For those facilities with needs already past due, identify institutional priorities for renovation and communicate those priorities to campus constituents.
- > Operations Profile:
 - > Continue to shift the operational spending profile from reactive to proactive work, through increase PM and operational resource allocation
 - > Allow energy savings to be recycled back into facilities to maximize the impact of those savings.