

University of Nebraska at Omaha DigitalCommons@UNO

Business/Finance/Operations

Portfolio/Visit 2016-18

2-20-2016

UNO Sightlines Return on Physical Assets Report 2016

Sightlines

Follow this and additional works at: https://digitalcommons.unomaha.edu/oiebusiness Please take our feedback survey at: https://unomaha.az1.qualtrics.com/jfe/form/ SV_8cchtFmpDyGfBLE

Recommended Citation

Sightlines, "UNO Sightlines Return on Physical Assets Report 2016" (2016). *Business/Finance/Operations*. 78.

https://digitalcommons.unomaha.edu/oiebusiness/78

This Report is brought to you for free and open access by the Portfolio/Visit 2016-18 at DigitalCommons@UNO. It has been accepted for inclusion in Business/Finance/ Operations by an authorized administrator of DigitalCommons@UNO. For more information, please contact unodigitalcommons@unomaha.edu.





ROPA+

University of Nebraska - Omaha

Presenters: Gabby Rosas & Rebekah Tjostolvson February 2016

Vanderbilt University Virginia Commonwealth University Virginia Department of General Services Wagner College Wake Forest University Washburn University Washington University in St. Louis Wellesley College Wesleyan University West Chester University West Liberty University West Virginia Health Science Center West Virginia Institute of Technology West Virginia School of Osteopathic Medicine West Virginia State University West Virginia University Western Connecticut State University Western Oregon University Westfield State University Wheaton College Widener University

A vocabulary for measurement









Mix Between Public & Private







Narrowing Scope by Size







Technical Complexity of Campus







Comparing Busy Nature of Each Campus







New FY15 Peer Group



Selected based on Institution Type, Size, Tech Rating & Density Factor

FY14 Peers

Indiana University Purdue University – Indianapolis Indiana University of PA Kent State University Portland State University Shippensburg University of PA University of Arkansas University of Memphis University of Missouri – Kansas City University of Missouri – St. Louis University of Nebraska – Kearney University of Northern Iowa University of Oregon Virginia Commonwealth University

FY15 Peers

Carleton University Fairmont State University Florida Atlantic University Kent State University* New Jersey Institute of Technology **Portland State University*** University of Alaska Anchorage (UAA) **University of Michigan - Dearborn University of North Texas University of Texas Dallas** Washburn University



Today's Key Focus



Physical Profile

• Young campus has specific needs for operations and capital investments.

Asset Value Change

- Discuss the benefits of keeping up with needs vs catching up.
- Evaluate key drivers for project selection.

Operations Success

- Day to day advantages of a younger campus.
- Planned Maintenance investments can be targeted as the tracking improves.









Physical Profile

Putting Your Campus Building Age in Context



The campus age drives the overall risk profile



Campus Age Profile



Understanding the Impact of Age on Capital & Operations









Asset Value Change

6 Years of Project Spending



Equal spending between new and existing space





Capital Spending into Existing Space



Asset Reinvestment sources dominate funding





Capital Spending Declining

Average spending of \$9.0M per year





Defining an Annual Investment Target



Annual Funding Target: \$11.4M





Chasing a Moving Target

17



Investment falls short of Target almost every year

Project Spending vs. Funding Target



Minimal Annual Stewardship Resources



Peers have more recurring resources





Total Project Spending Below Peers



Peers investing more given space and student population







Annual Growth in the AR Need



UNO's Total AR Need surpassed peers in FY15





Total Asset Reinvestment Backlog \$/GSF
Peer Group Member Average



Lower Total Needs Compared to Peers



UNO had a total Asset Reinvestment Need of \$106/GSF in FY15





ROPA+ Prediction: Developing Strategy







Total Current Need by System



\$33M in current need (items currently in backlog)





Upcoming Life Cycle Need



\$16M of renewal need coming due over the next 10 years





Projected Investment vs. 10 Year Needs







Position of Campus in 10 Years



15% drop in Facilities Condition Index if don't invest any Capital







Operations Success

Consistent Increases in Operating Resources



Look for the \$/GSF to keep pace with inflation









Day-to-Day Spending Keeping Pace with Growth



6% increase in spending since 2012





 \leq

UNO

Enrollment Not Keeping Pace with Space



Evaluate opportunities to increase space utilization





Fossil Fuel Consumption Decreasing



Consumption above most peers



Includes Natural Gas & Fuel Oil #2



12% Decrease in Electric Consumption



Continued reduction in consumption could lead to Best Practice





Overall, 15% Reduction in Consumption



Continue to invest in energy savings projects



Composite Electric BTU/GSF





Maintenance Success



Operations benefiting from a younger campus



Maintenance Material \$/GSF



Peers

Maintenance Materials/GSF
Peer Group Member Average

Campus Inspection General Repair ScoreOmaha4.03Peers3.79

*FY15 data unavailable for Institution H



Custodial Success



High results achieved through strong and balanced profile



*FY15 data unavailable for Institution E



Grounds Success



Low coverage and supervision have produced high inspection scores



*FY15 data unavailable for Institution I



Grounds Success Compared to Urban Campuses

Nebraska Omaha

UNO Inspection scores reflect impact of additional staff



Indiana University, Purdue University (Indianapolis) • Rutgers University • Temple University • The Ohio State University The University of Chicago • University of Central Florida • Virginia Commonwealth University University of Cincinnati • University of Massachusetts (Boston) • University of Memphis University of Minnesota (Twin Cities) • University of Missouri (Kansas City) • University of Missouri (St. Louis)

sightlines

PM Investment Dropped in FY15



Monitor new tracking closely to ensure correct reporting





Target PM Spending Toward New Space



Even when fully funding PM in younger space, what opportunities are there for UNO?





Preventive/Planned Maintenance



- > <u>PM:</u> Materials, labor costs, service contracts, etc. that enhance or extend the useful life of campus buildings and components. Some examples include changing belts and filters on HVAC equipment, elevator service contracts, sprinkler and fire alarm system testing/maintenance contracts, etc.
- > Typical Examples

Mechanical	Electrical	Plumbing	Elevator	Fire Prevention
Clean or replace filters	Temperature checks (Thermographic inspection)	Inspect pipes and repair leaks	Perform safety checks on all components according to codes	Perform appropriate checks to meet fire codes
Examine and change belts	Open & close circuit breakers and disconnect switches	Examine and adjust pressures and temperatures	Clean, lubricate, and adjust motors, bearings, brakes and other components	Test alarms and controls
Lubricate motor bearings	Calibrate & Test circuit breaker and relay trip devices	Operate and adjust faucets and flush valves	Check and lubricate guide rails	Check and adjust pump operations
Clean condenser coils	Oil screen test oil-filled- transformers, circuit breakers and disconnect switches	Clean ore replace water filters	Examine and replace wire ropes	Test water flow alarms and perform main drain test on sprinkler/water spray systems
Clean and adjust blower components	Perform dissolved gas analysis on transformer oil	Check waste systems	Check, adjust, repair, and replace all cabin and hoist away doors	Check valves and lock in open position
Examine duct work for leaks	Leak test equipment insulated with SF6 gas	Ensure oil and water separator systems meet standards	Test and repair communication devices	Inspect and recharge fire extinguishers
Monitor starting capabilities	Clean & tighten all electrical connections and equipment enclosures	Check accuracy of flow meters	Test and repair control and emergency systems	Inspect and replace fire hoses
Check and adjust heating and cooling systems pressures and temperatures	Inspect equipment for deterioration			Check emergency lighting
Test and adjust central control system				Test heat and smoke sensors and fire doors





Concluding Comments

FY2015 Concluding Comments



Historic investments have created a younger age profile for UNO than at peer institutions.

The Functional Obsolescence Target has been increasing annually, as new space and renovations come online, creating more future needs for campus.

> Without funding to the Target Levels, the Asset Reinvestment Need for the next 10 years has grown.





FY2015 Concluding Comments



Historic investments have created a younger age profile for UNO than at peer institutions

The younger facilities have increased mechanical and program demands, which require additional Planned Maintenance resources.

As tracking increases for Planned Maintenance, target support toward facilities with the highest need.







Questions & Comments