

Rhode Island School of Design FY17 ROPA+ Final Presentation

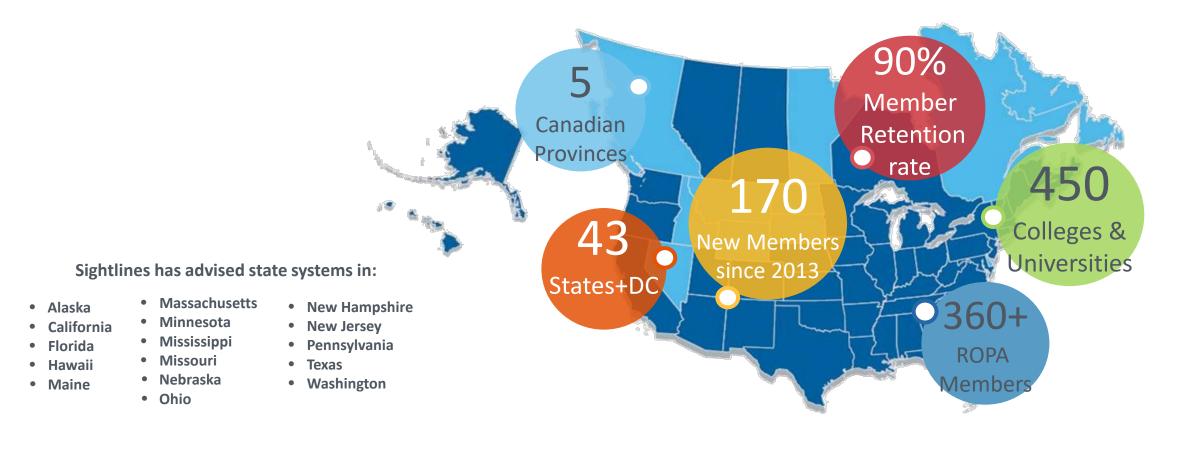
October 19, 2017

University of Toledo University of Vermont University of Washington University of West Florida University of Wisconsin - Madison Vanderbilt University Virginia Commonwealth University Wake Forest University Washburn University Washington State University Washington State University - Tri-Cities Campus Washington State University - Vancouver Washington University in St. Louis Wayne State University Wellesley College Wesleyan University West Chester University West Virginia Health Science Center West Virginia University Western Oregon University Westfield State University Widener University Williams College Worcester Polytechnic Institute Worcester State University



Who Partners with Sightlines?

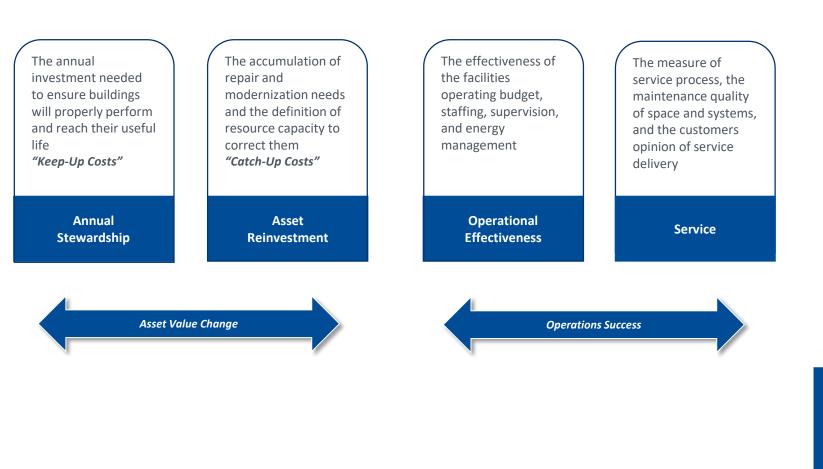
Robust membership includes colleges, universities, consortiums and state systems





A Vocabulary for Measurement

The Return on Physical Assets – ROPASM



Institutions

Art Center College of Design

Bentley University

Berklee College of Music

Bowdoin College

Brown University

California Institute of the Arts

Connecticut College

Ithaca College

Massachusetts College of Art and Design

Mount Holyoke College

Comparative Considerations

Size, technical complexity, region, geographic location, and setting are all factors included in the selection of peer institutions



Core Comments

Waiting for final deck to be established

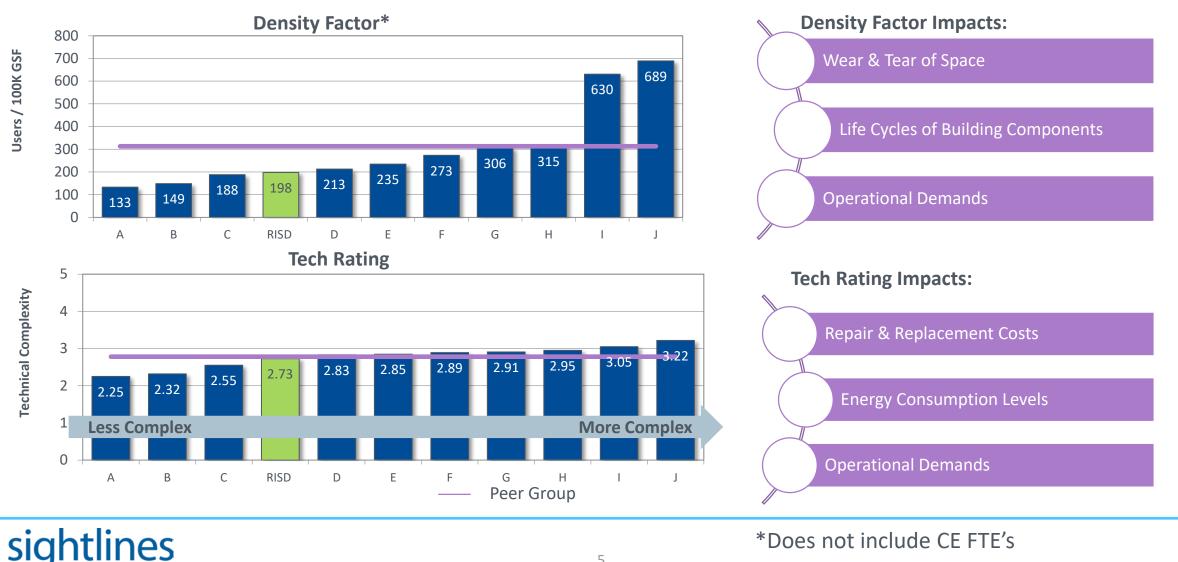


Physical Drivers of Campus

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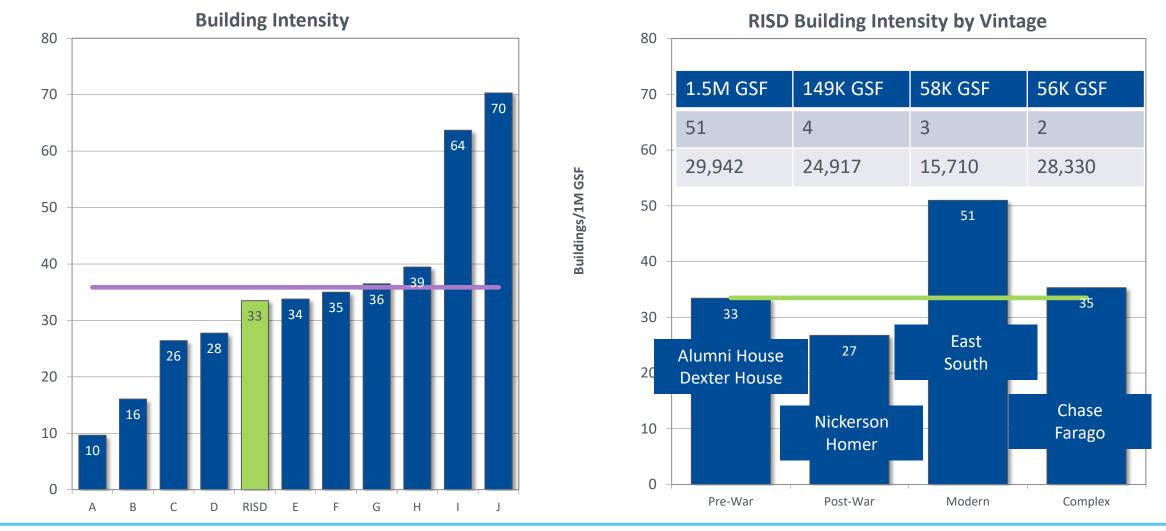
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Similar physical attributes to peer institutions



*Does not include CE FTE's

Building Intensity



Buildings/1M GSF

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Resetting the Clock Through Renovations

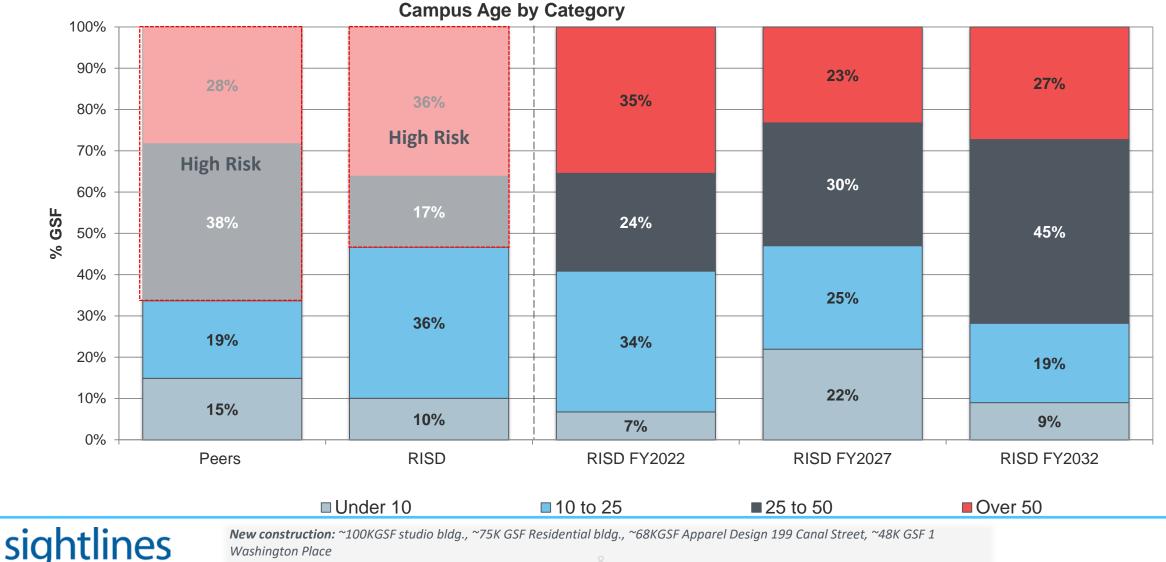
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RISD has older facilities on average, but has made more impact with renovations **Construction Age v. Renovation Age** 120 100 Years of Age 80 60 40 20 0 \triangleleft ш \mathbf{O} \Box ш ш വ Т ____ RISD Weighted Construction Age Weighted Renovation Age Peer Reno Average Peer Construction 0 -6 -10 -12 -11 -20 -27 -40 -49 -55 -60 Age Reduction Peer Avg Age Reduction = 12 years ıtlines Sig

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A Shifting Campus Age Profile

Understanding the Impact of Age on Capital Demands

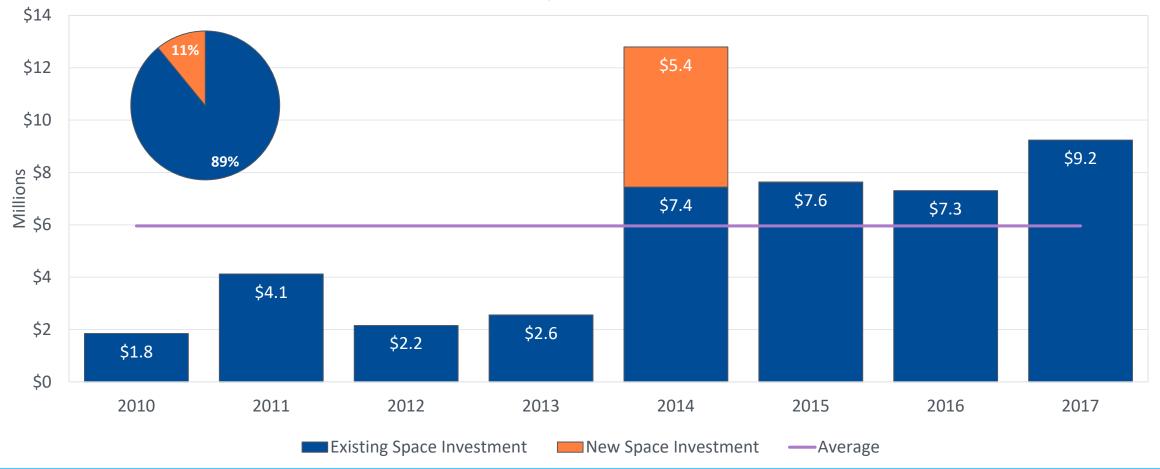


Washington Place

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Renovations: College, Metcalf, Homer, Nickerson, Barstow, Larned, Thompson & Alumni, B.E.B. (Bayard Ewing Building)

Total Capital Investment

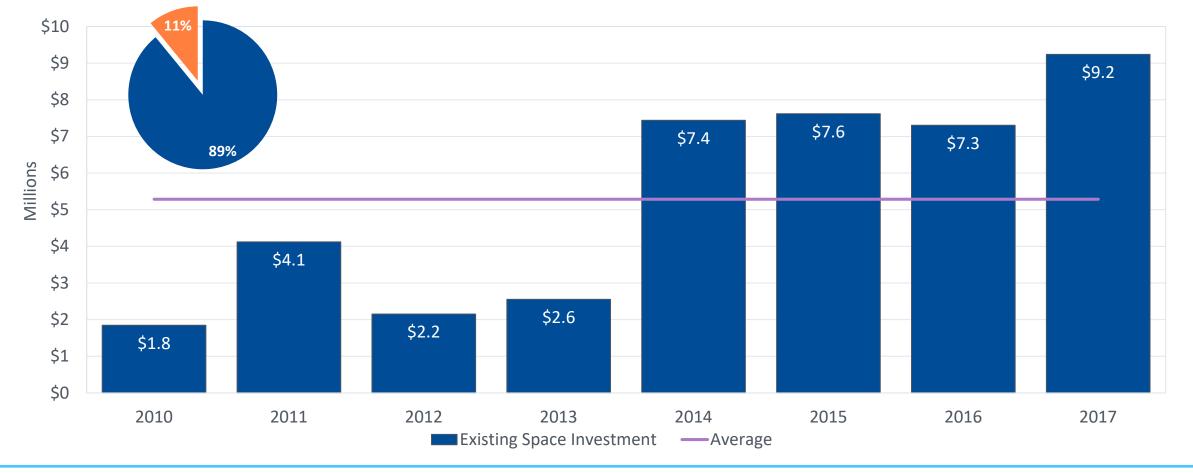


Total Capital Investment

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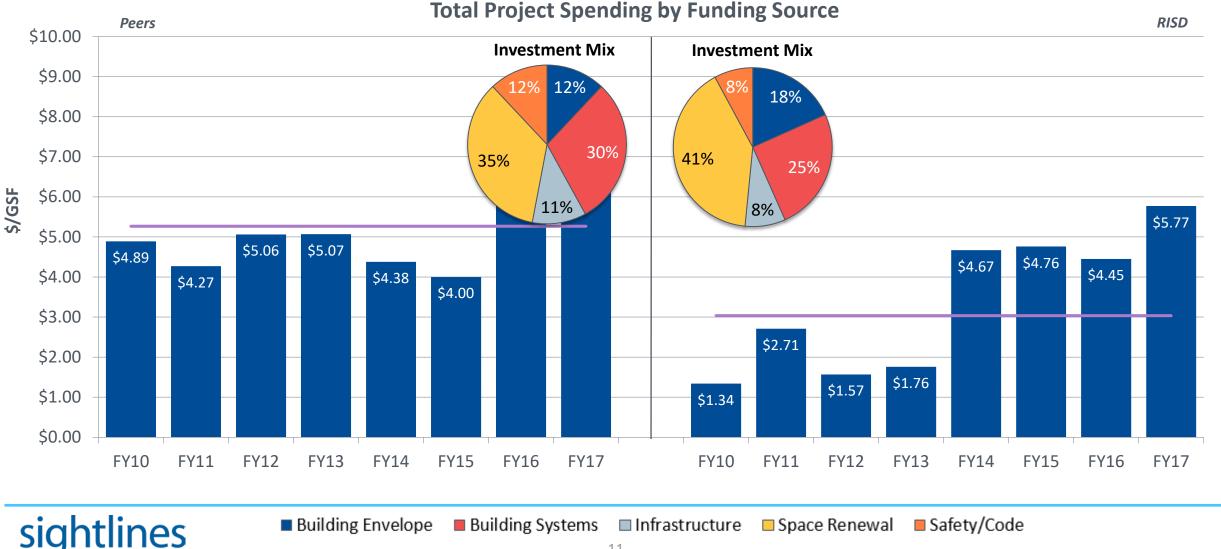
Total Capital Investment

Total Capital Investment



Despite Positive Growth, Peers Out Invest RISD

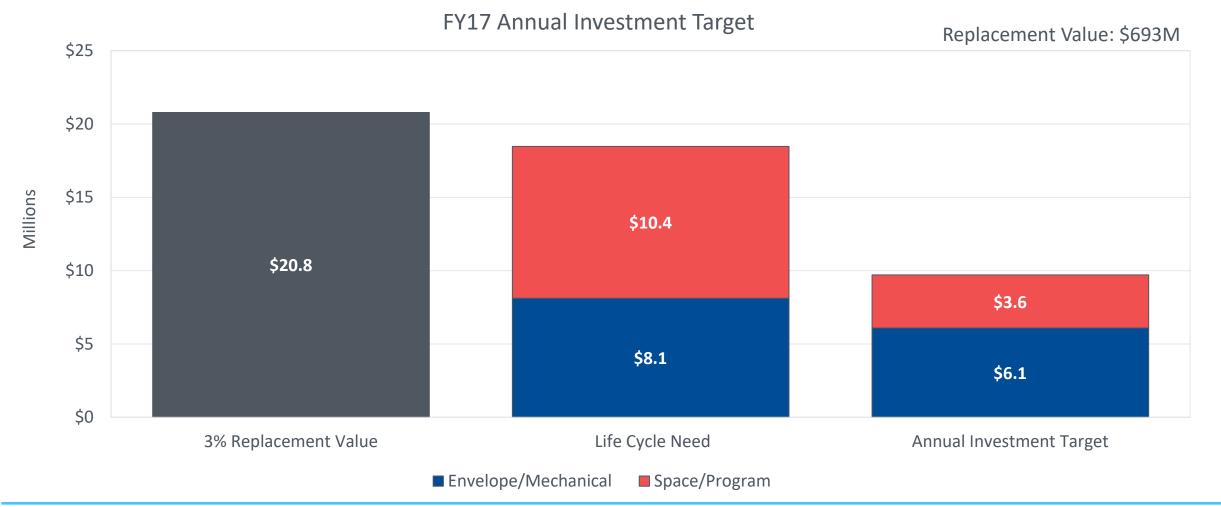
One-Time funds assist peers in investing an average of \$2.30/GSF more than RISD



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Defining an Annual Investment Target

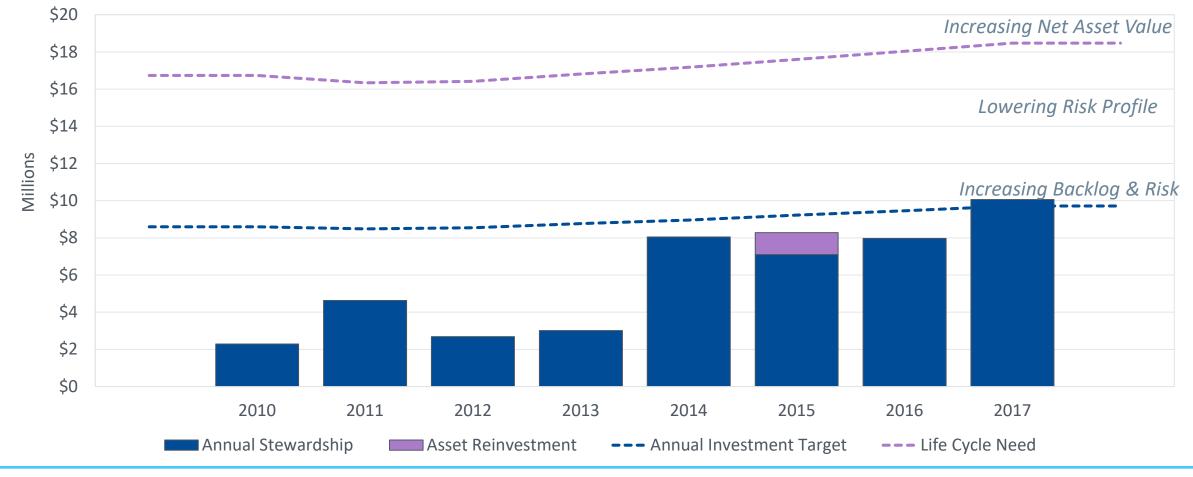
Annual Funding Target: \$9.7M



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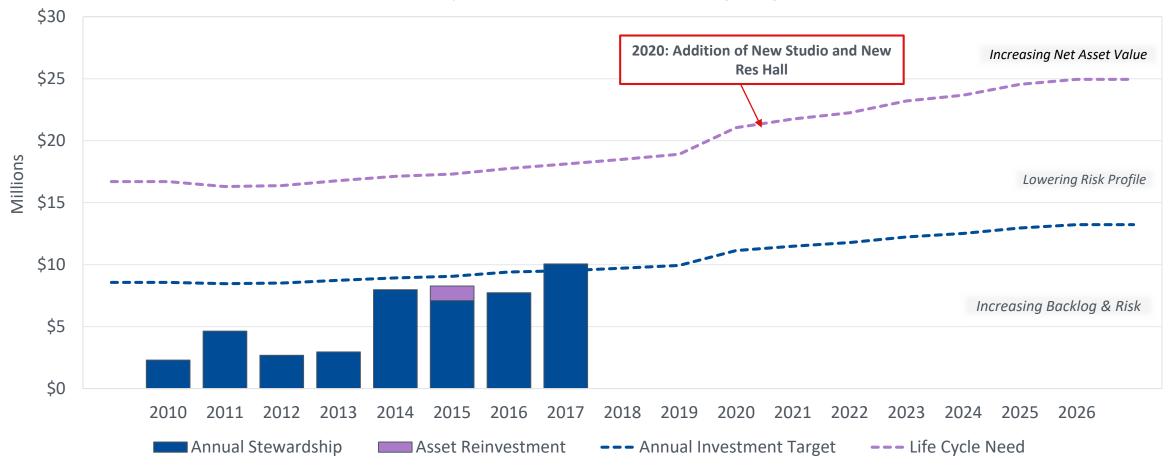
Investment Levels Hit Target in FY17





Projected 2026 Target Funding Level

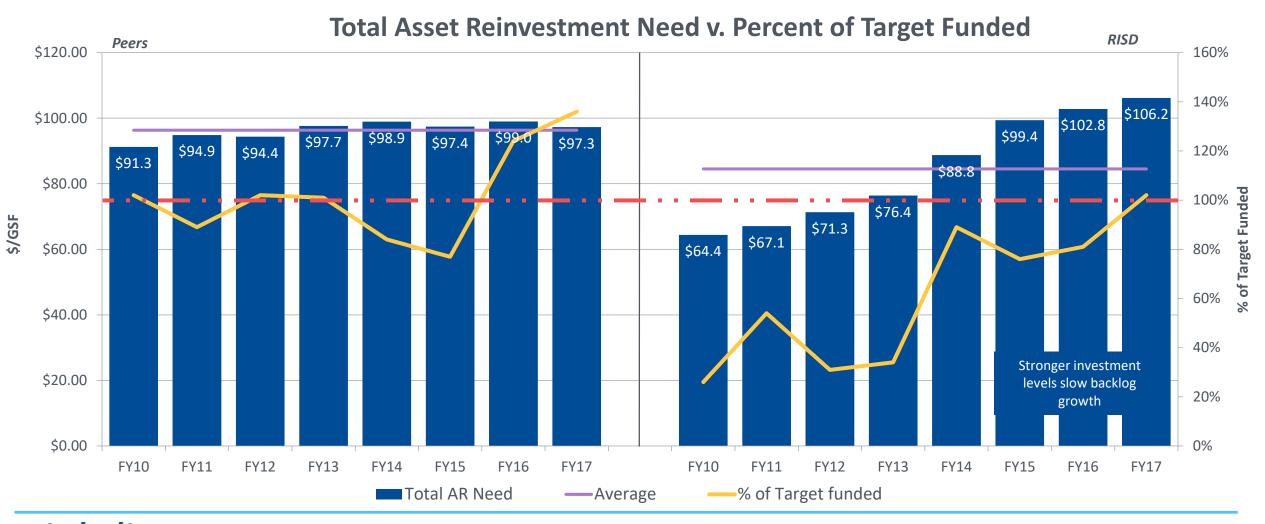
Future target levels continue to rise due to inflation and added square footage



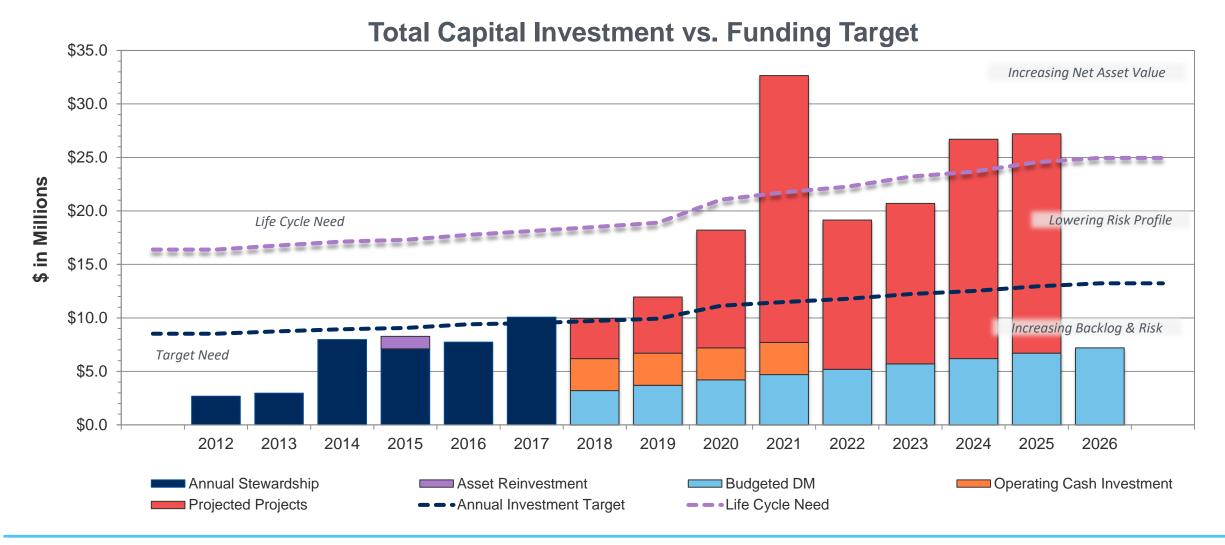
Total Capital Investment vs. Funding Target



Spending to Target Slows AR (backlog) Growth



Projected 2026 Target Funding Level



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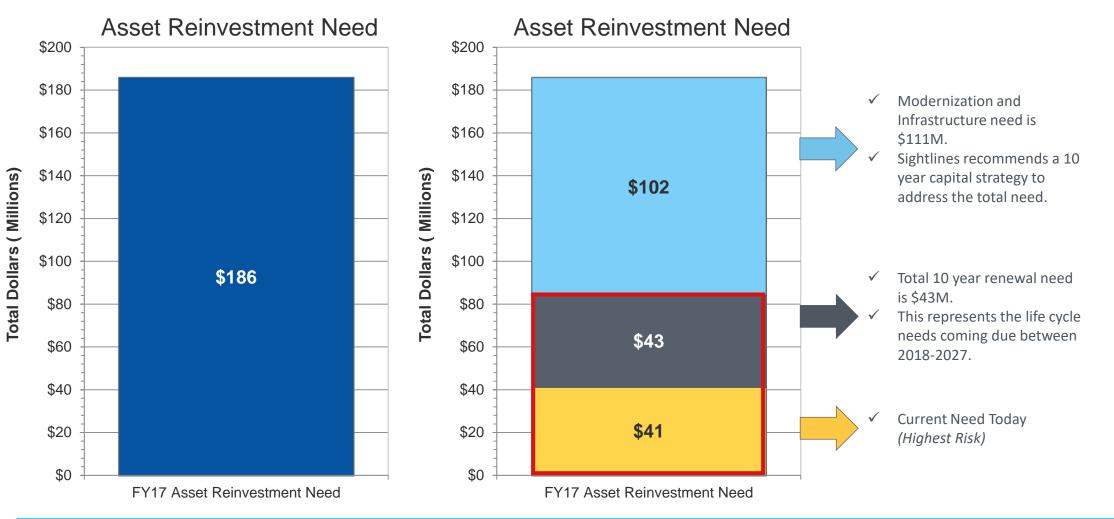
ROPA+ Prediction: RISD

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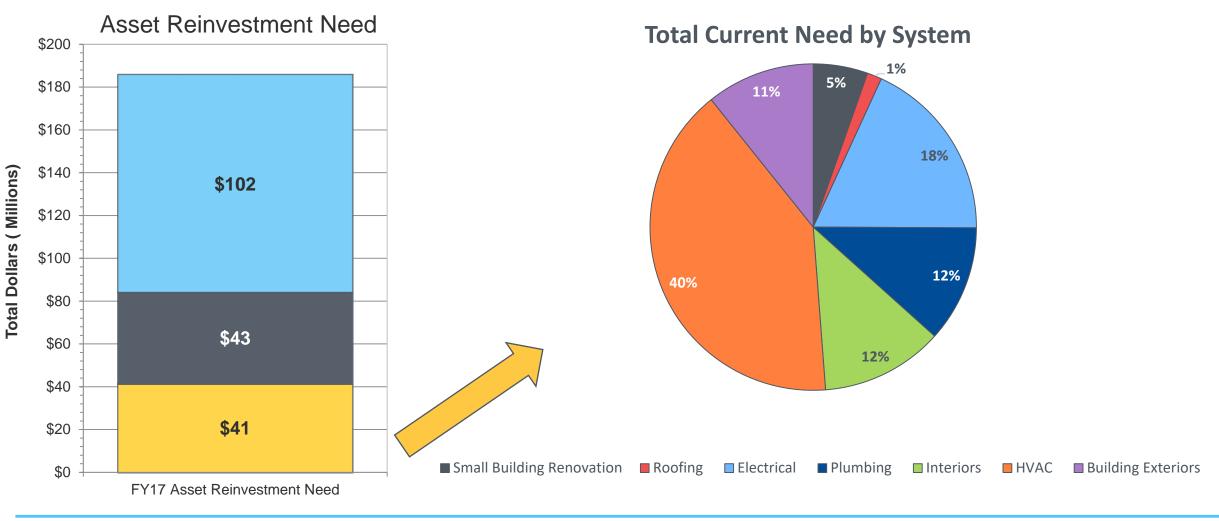
ROPA+ Prediction quantifies \$84 Million in system-specific need



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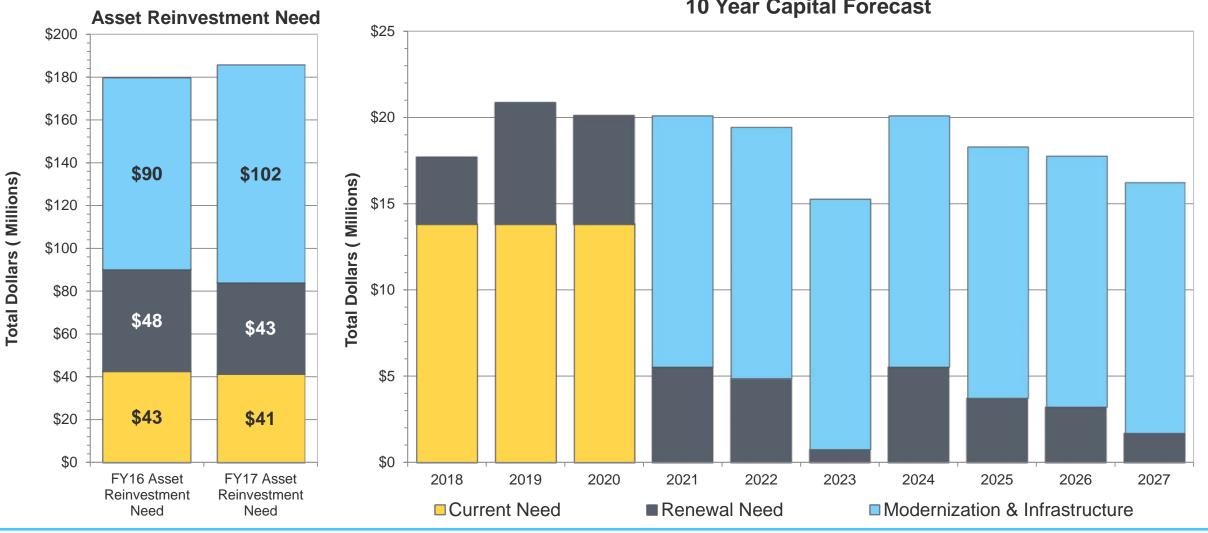
Total Current Need by System

40% of Current Need is HVAC



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Projected Investment vs. 10 Year Needs



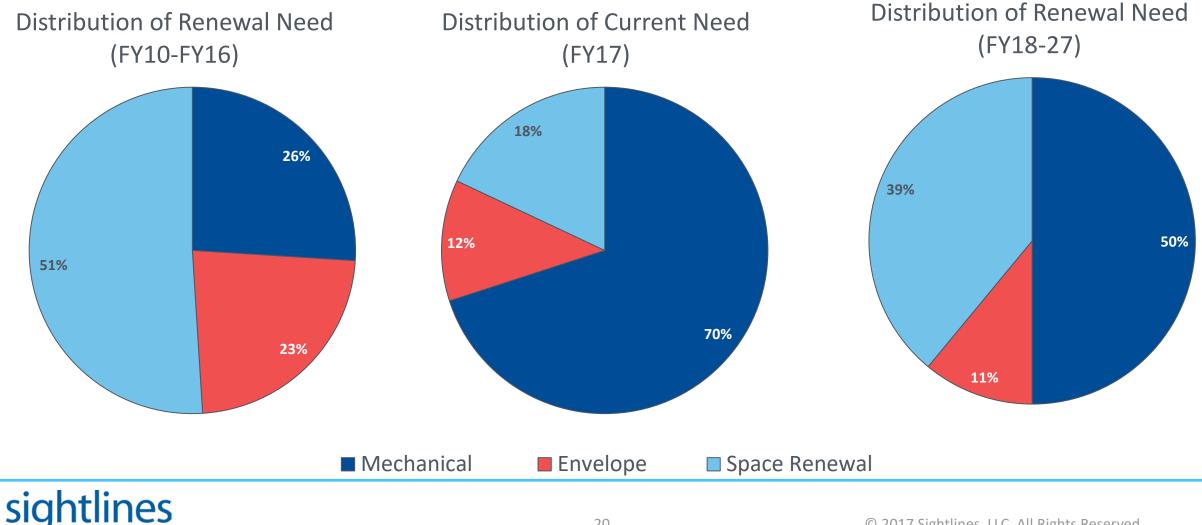
10 Year Capital Forecast

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Comparing the Past and the Future

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Historical funding focused on Space Renewal; Future Needs focused on Mechanical

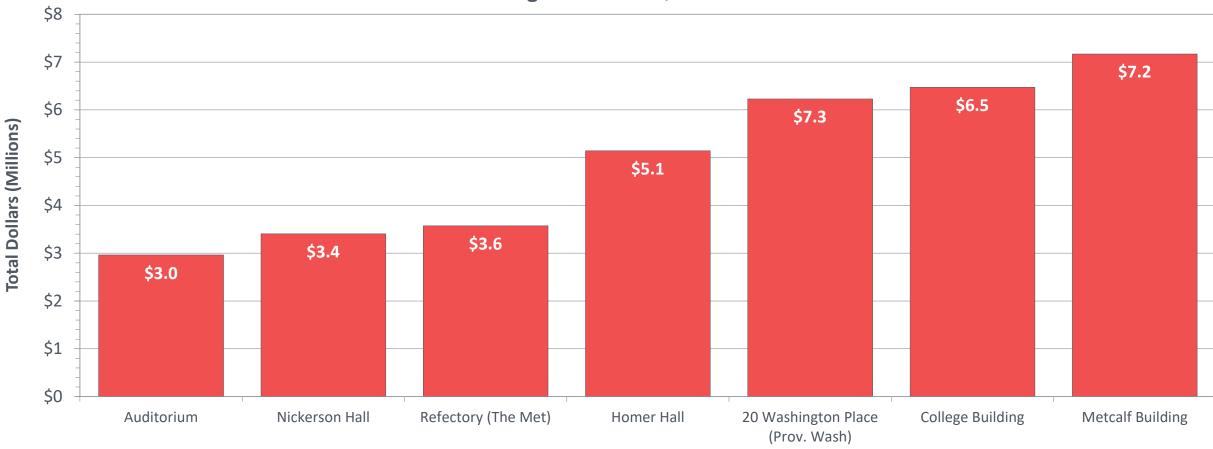


RISD'S Highest Need Buildings

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6 of the 7 buildings with \$2M+ in Current Need are over 50 years old



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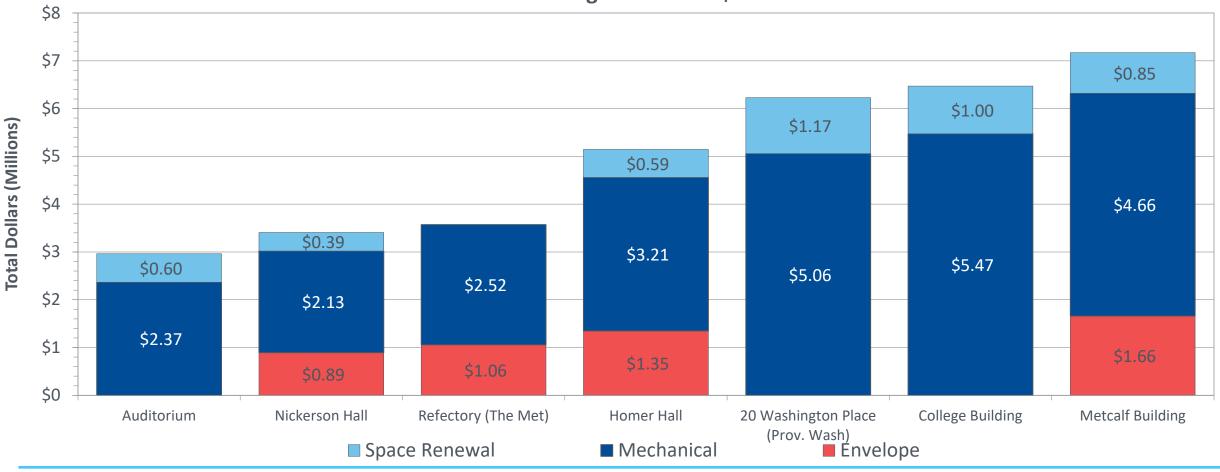
Buildings with Need \$2M+

RISD'S Highest Need Buildings

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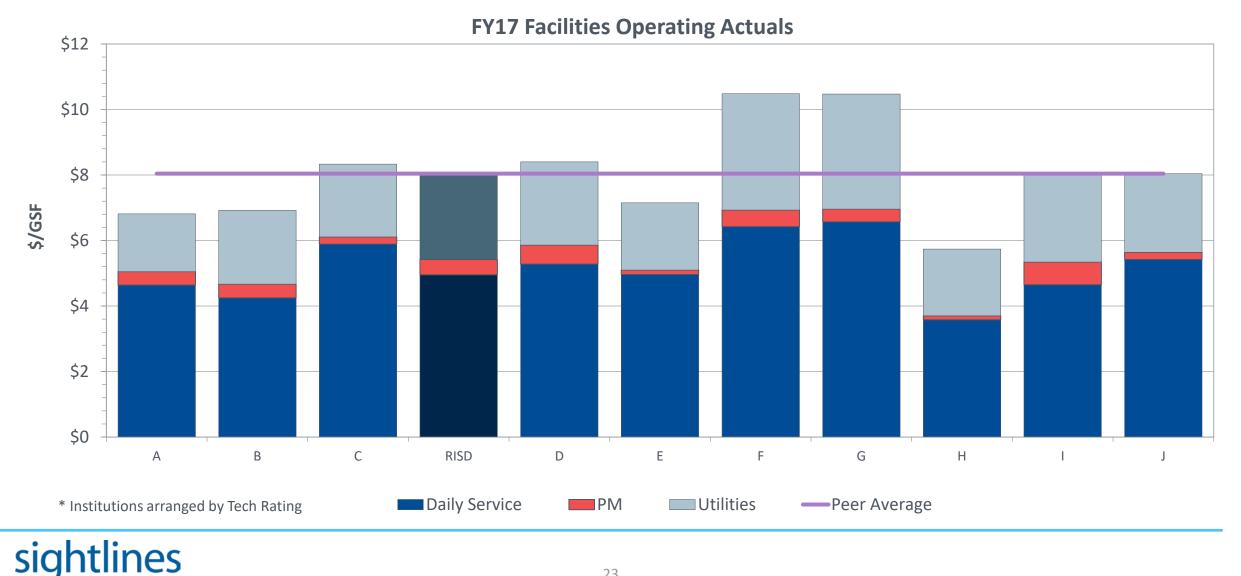
Mechanical Needs make up the majority of Current Need in buildings



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Buildings with Need \$2M+

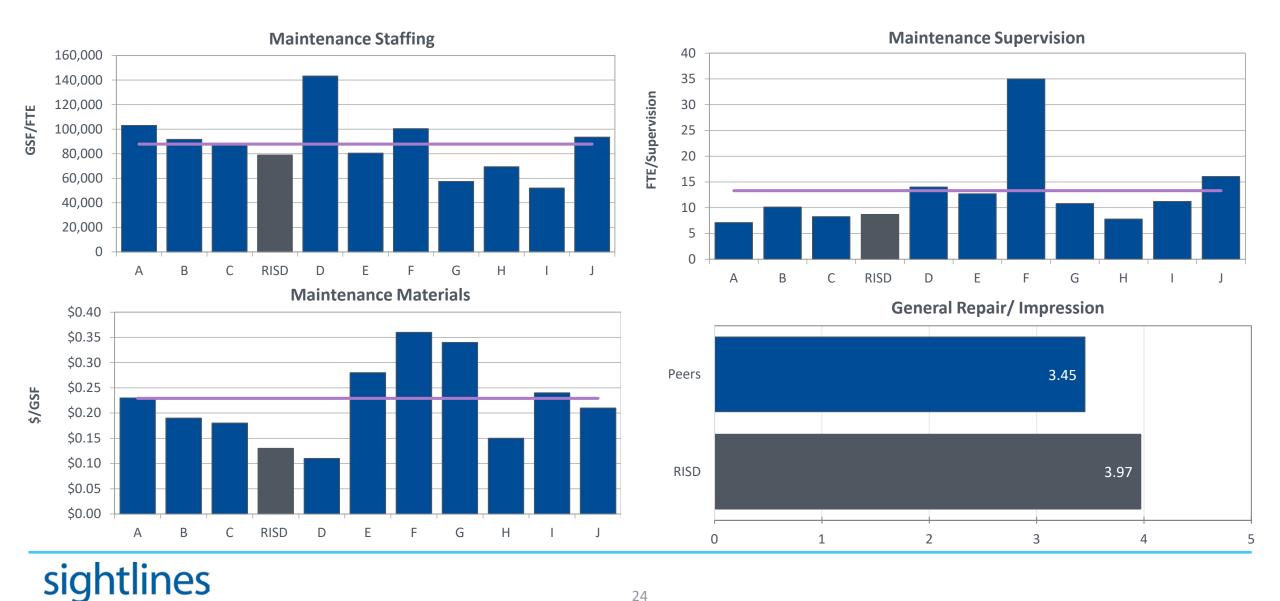
FY17 Facilities Operating Expenditures Below Peers



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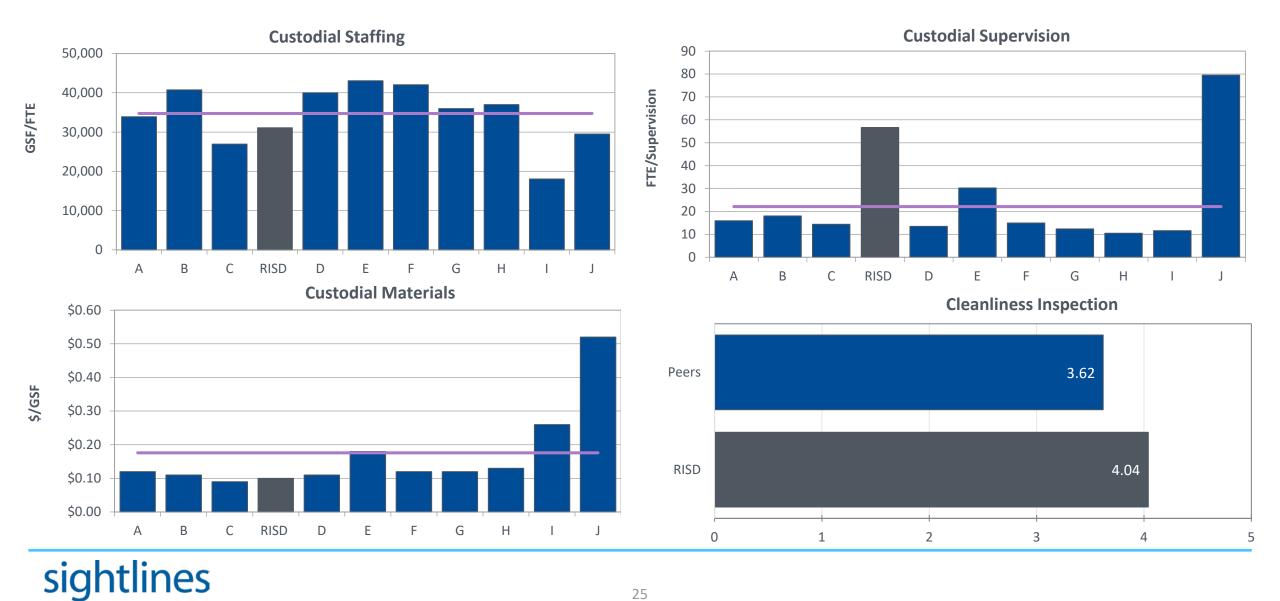
Maintenance Metrics



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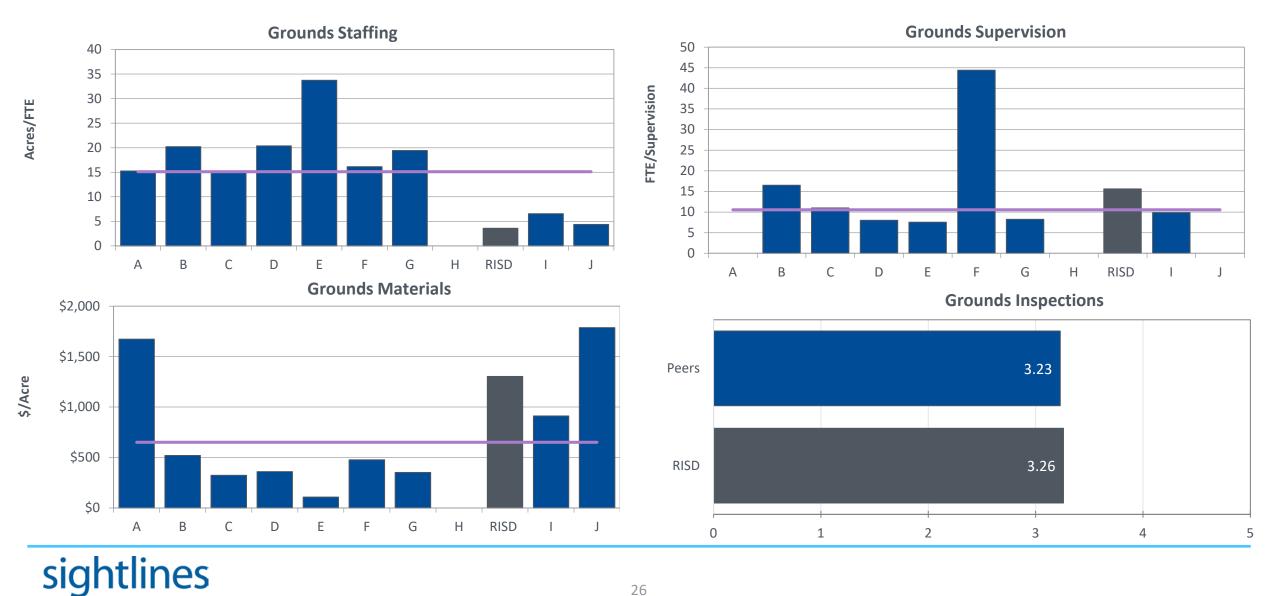
Custodial Metrics



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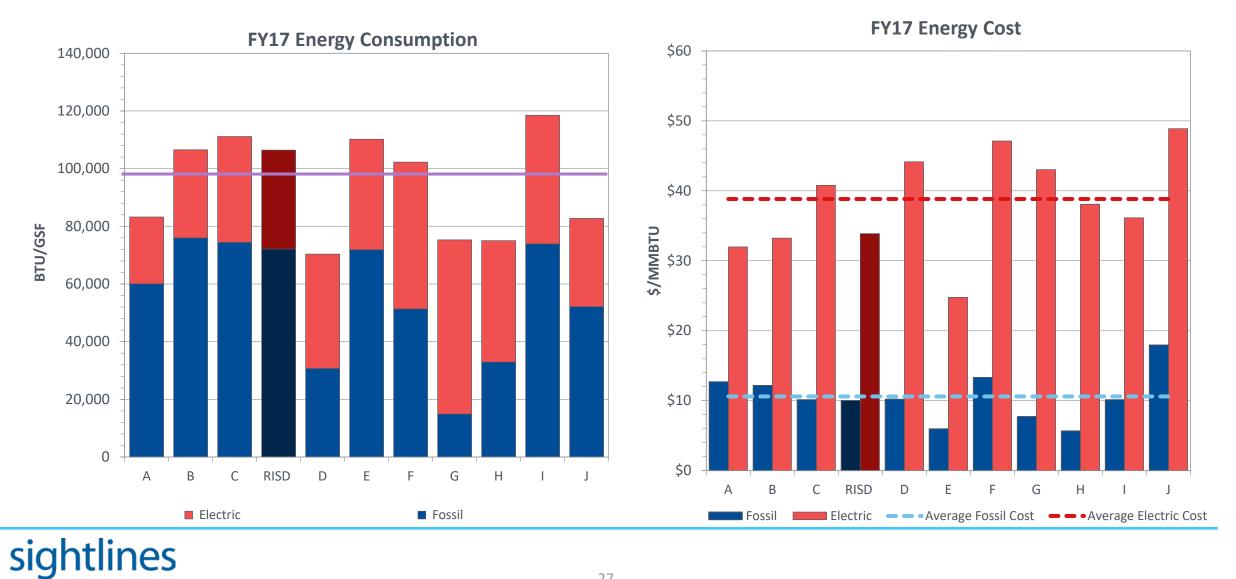
Grounds Metrics



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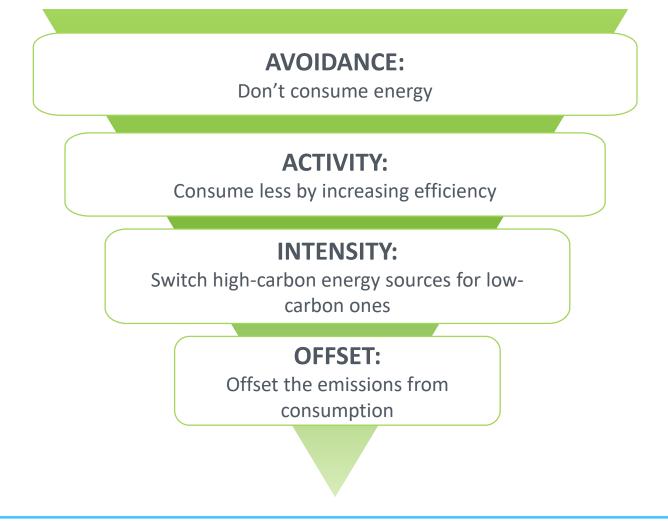
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Energy Snapshot



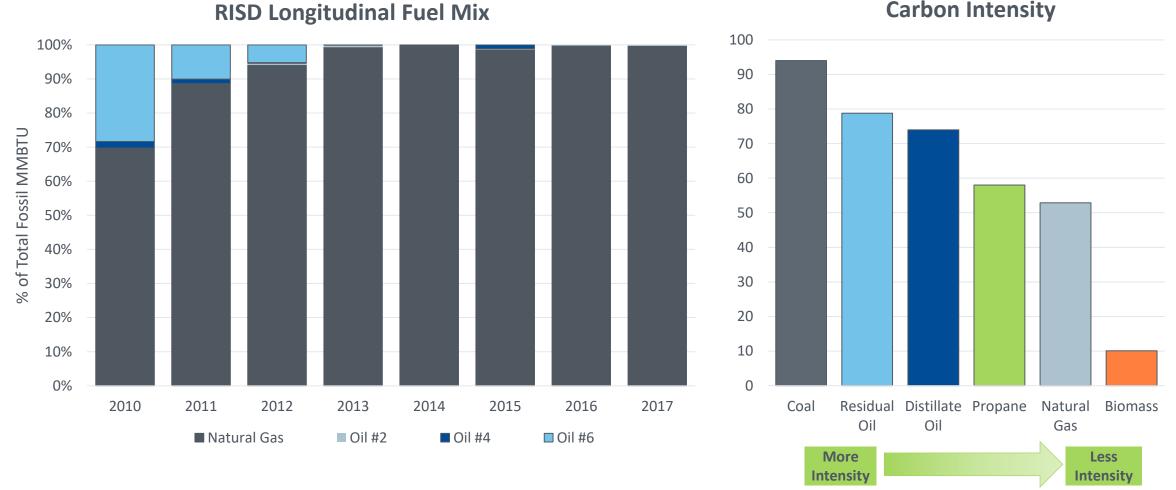
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Carbon Management for Energy





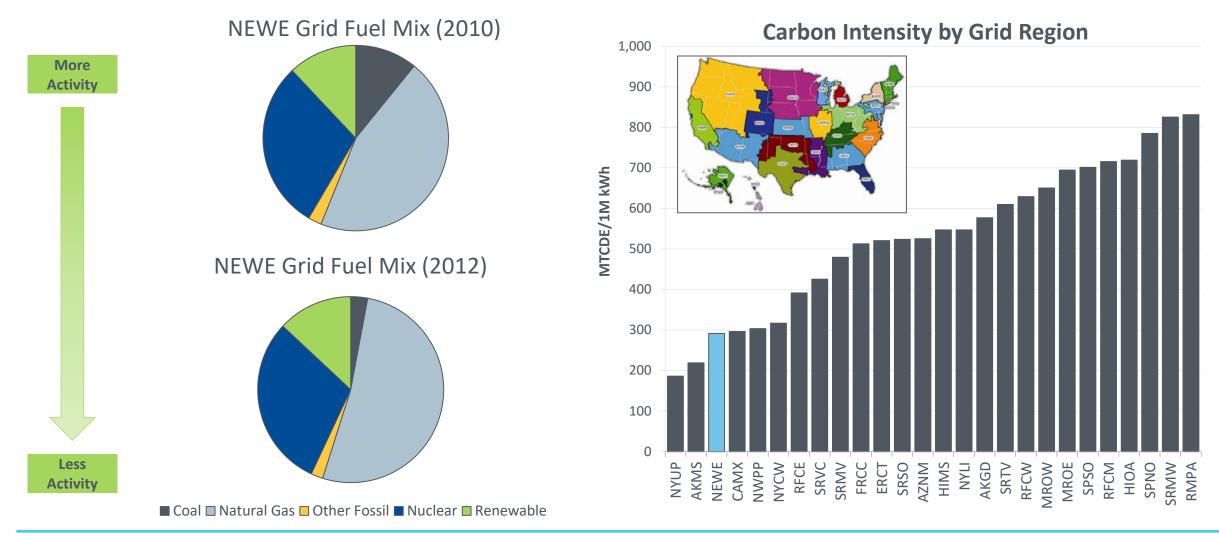
Scope 1 Stationary: Fuel Mix



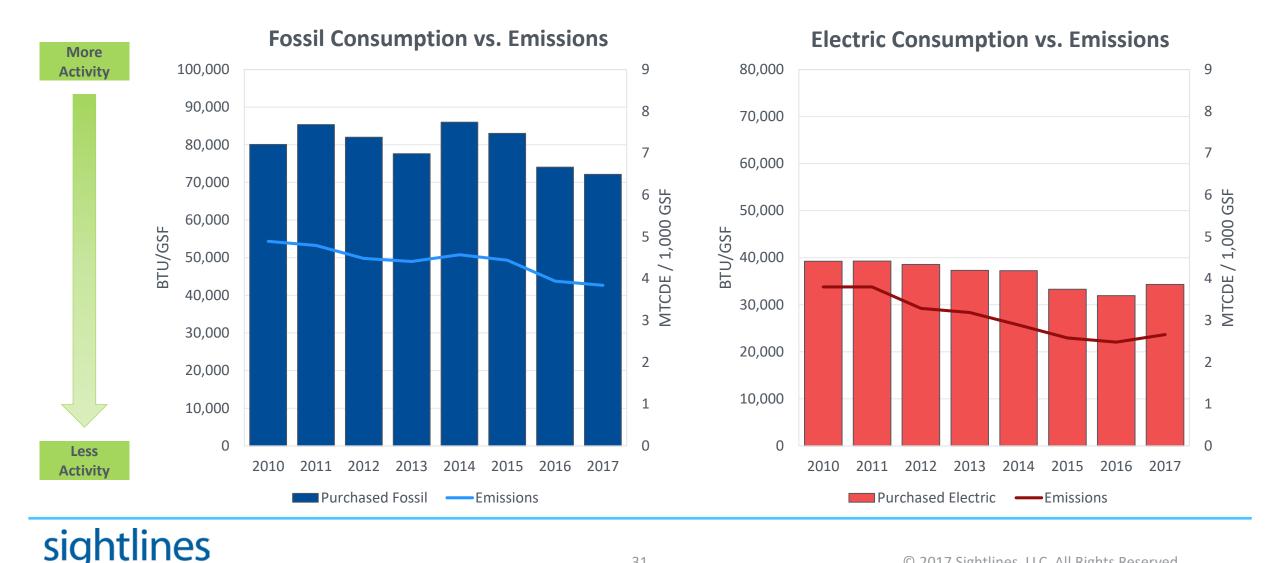
Carbon Intensity

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Scope 2 Purchased Electric: Fuel Mix



Scope 1 Stationary and Scope 2 Electric Emissions



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Concluding Comments

Waiting for final deck to be established



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Questions & Discussion