

# **Rhode Island School of Design** FY21 ROPA+ Analysis Budget Committee Meeting

January 25, 2022

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



# **Gordian and Sightlines**



Owners of the largest verified facilities database in higher education



Sightline's members serve over 20% of US College Enrollment

# **Vocabulary for Facilities Benchmarking & Analysis**



#### Annual **Operational** Asset Service **Effectiveness Stewardship** Reinvestment The annual The accumulation of The effectiveness of The measure of investment needed repair and the facilities service process, the to ensure buildings modernization needs operating budget, maintenance quality and the definition of will properly of space and systems, staffing, supervision, perform and reach and the customers and energy resource capacity to their useful life correct them opinion of service management. "Keep-Up Costs". "Catch-Up Costs" delivery. **Asset Value Change Operations Success**



# **Rhode School of Design's Facilities Peers Institutions**



#### Institution

**Bentley University** 

Waltham, MA

**Brown University** 

Providence, RI

Emerson College Boston, MA

Massachusetts College of Art and Design

Boston, MA

Mount Holyoke College South Hadley, MA

> Pratt Institute Brooklyn, NY

Siena College

Loudonville, NY

Wesleyan University Middletown, CT



#### **Comparative Considerations**

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



## **COVID-19 Amplifies Core Facilities Challenges**





Enrollment uncertainty and the pressure for more space



Reduction or elimination of resources available to address growing capital renewal



Learning and program needs altering classroom expectations and requirements



De-stabilized strategic priorities making project alignment problematic

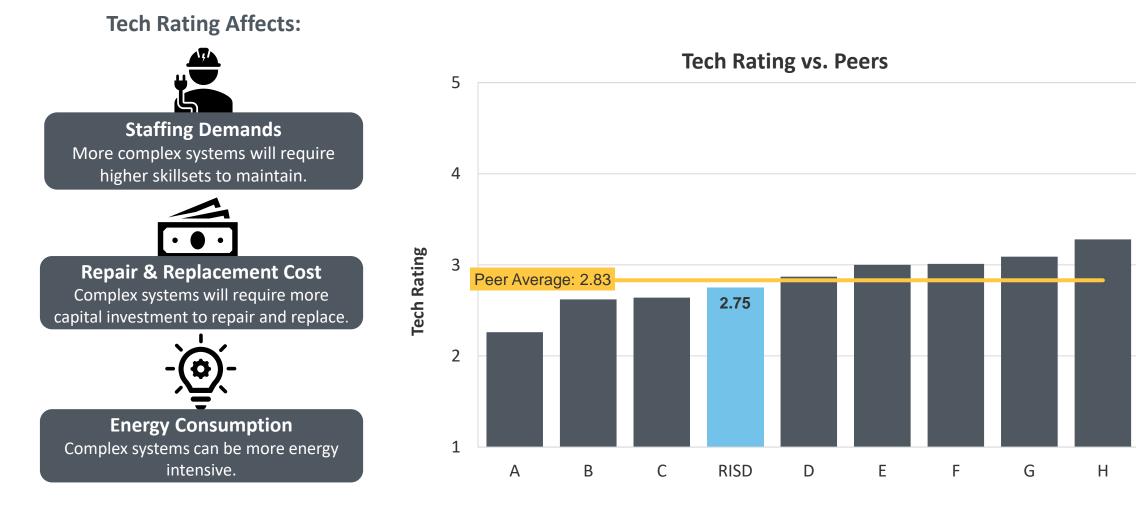


Institutional financial losses and expected pressures putting facilities operating budgets at risk



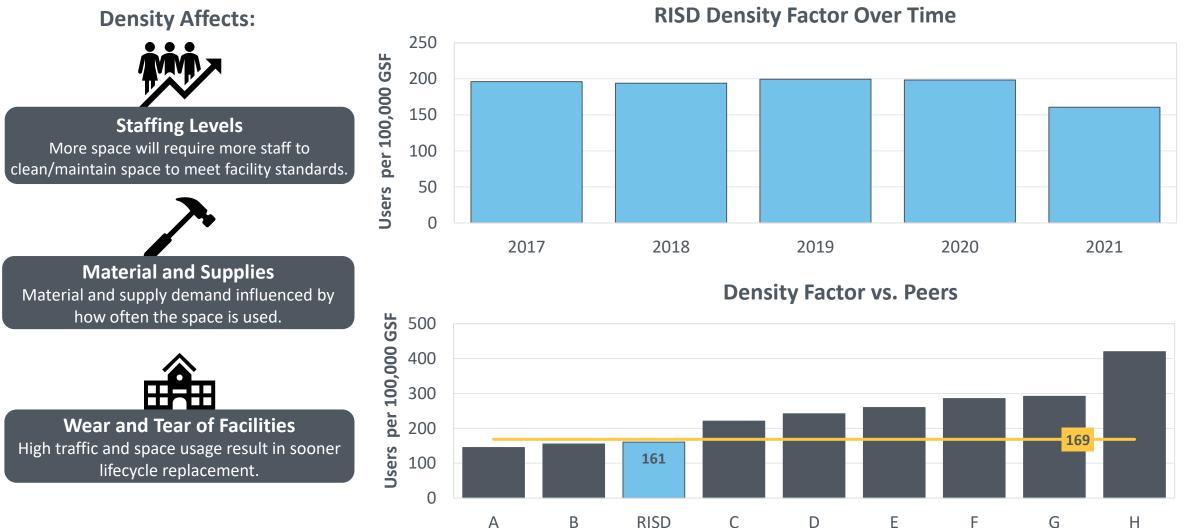
# **Qualifying Metrics –** *Tech Rating*





# **Qualifying Metrics –** *Density Factor*





© 2022 The Gordian Group, LLC. All Rights Reserved.

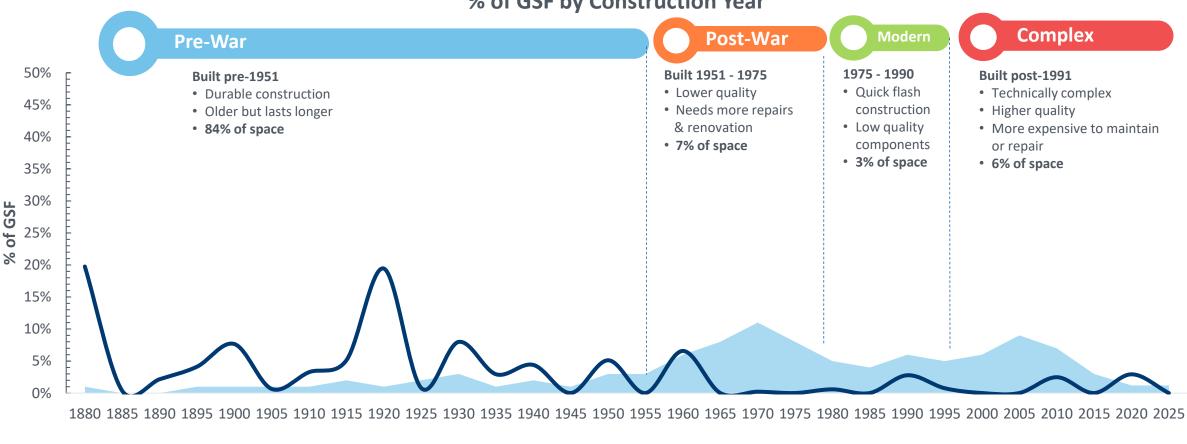


# Space Profile



## **RISD Has More Pre-War Space Than the Database**

A campus' age drives the overall risk profile



% of GSF by Construction Year

Sightlines Database- Construction Age

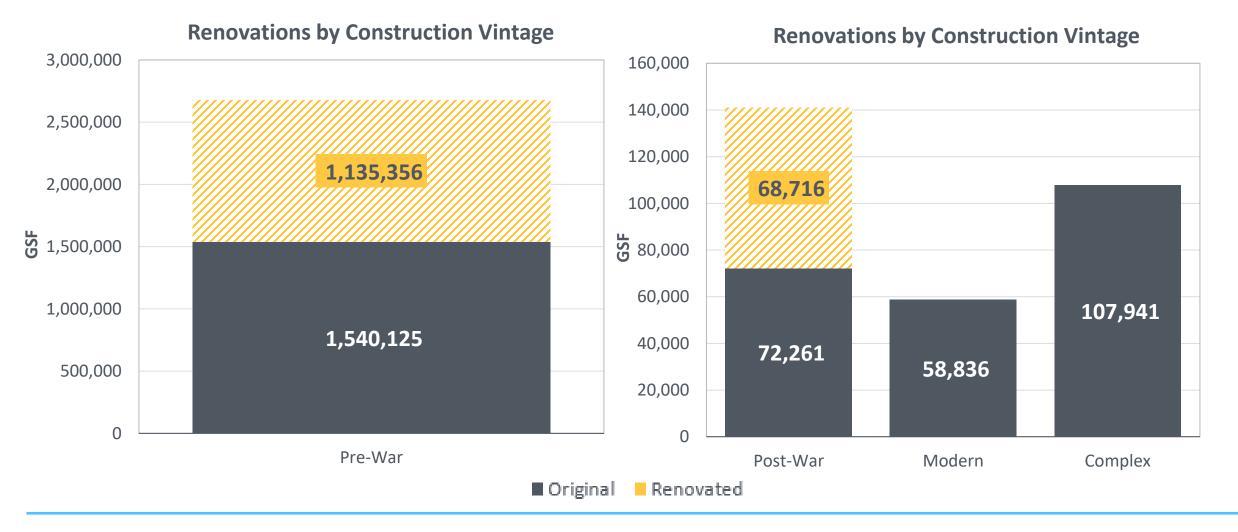
-----Rhode Island School of Design

### 

# **RISD Renovates Campus' Oldest Facilities**



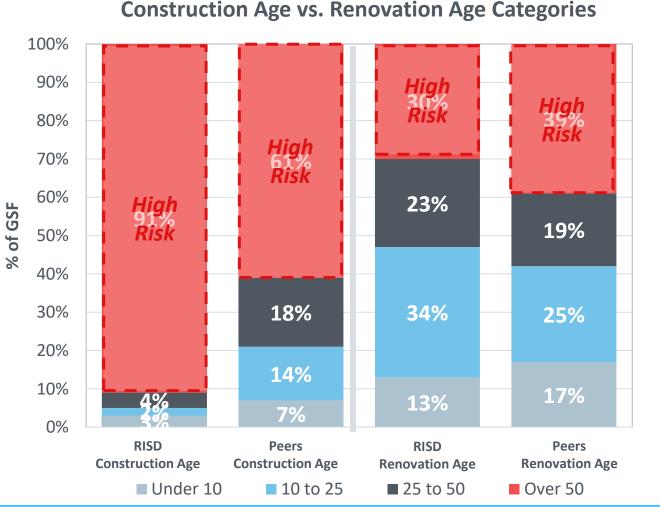
Renovated spaces reduce overall risk exposure and maintain high value



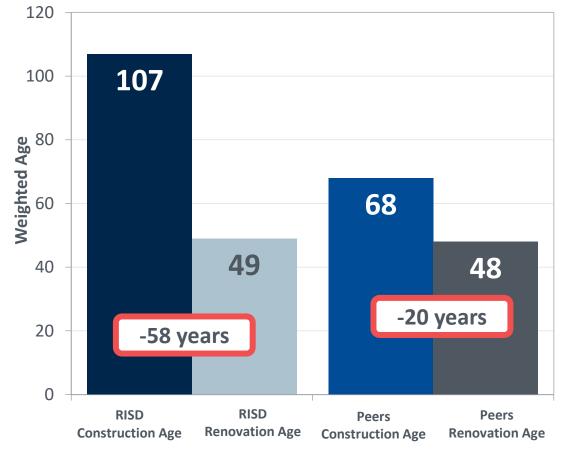
# **RISD's Construction Profile Has Been Offset By 58 Years**



Strategic renovations have shifted campus age and reduced risk profile



#### Weighted Construction vs. Renovation Age





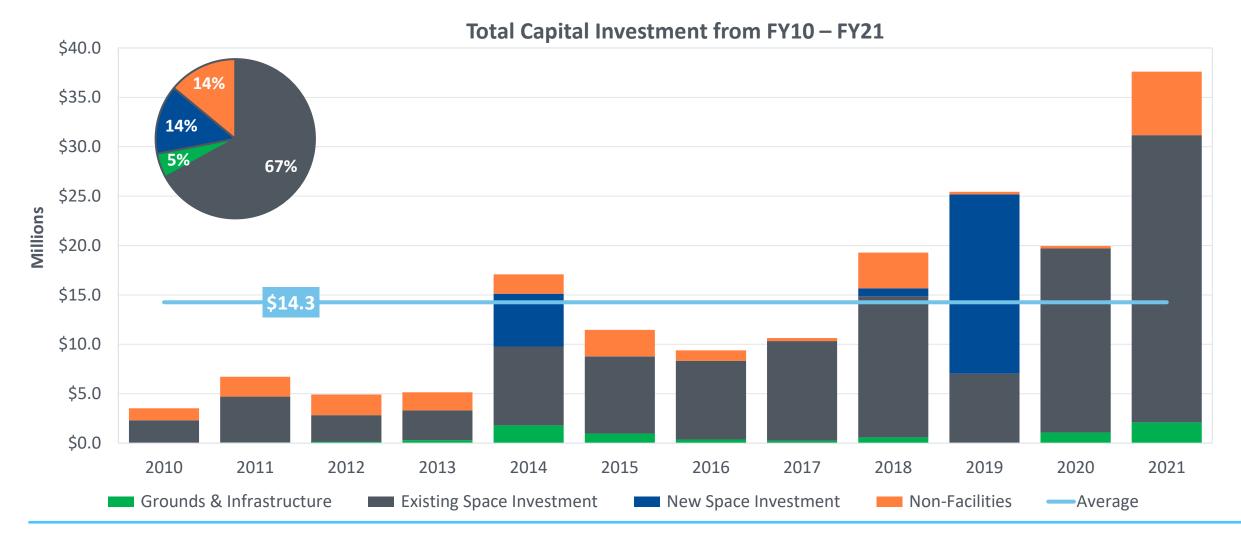


# Capital Investment



# \$171.1M of Capital Invested into RISD from FY10-FY21

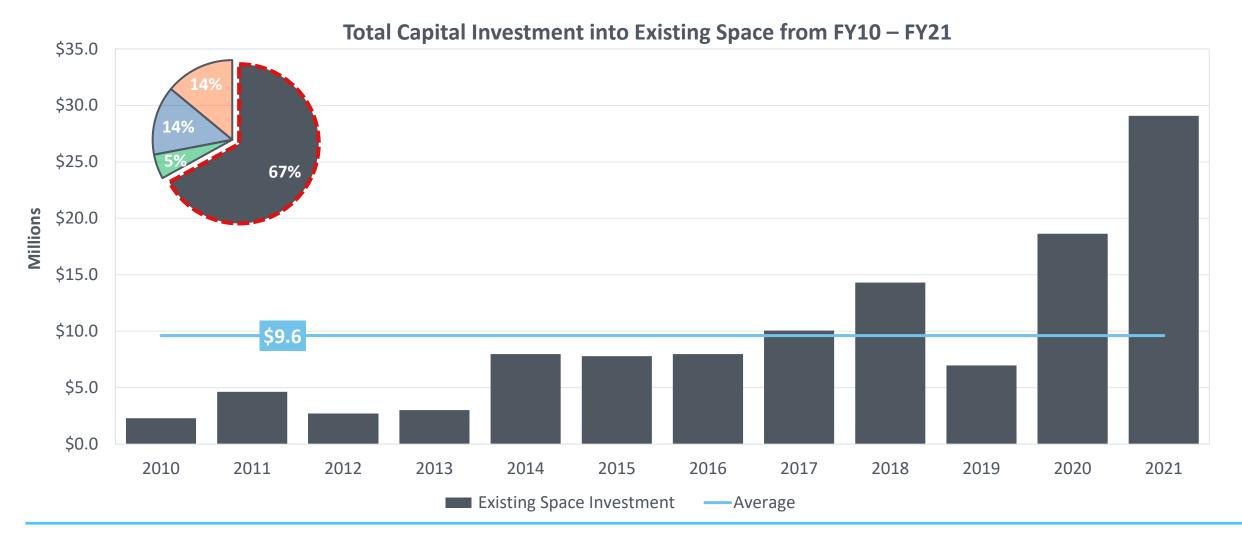




# **Existing Space Investment Increases and Peaks in FY21**

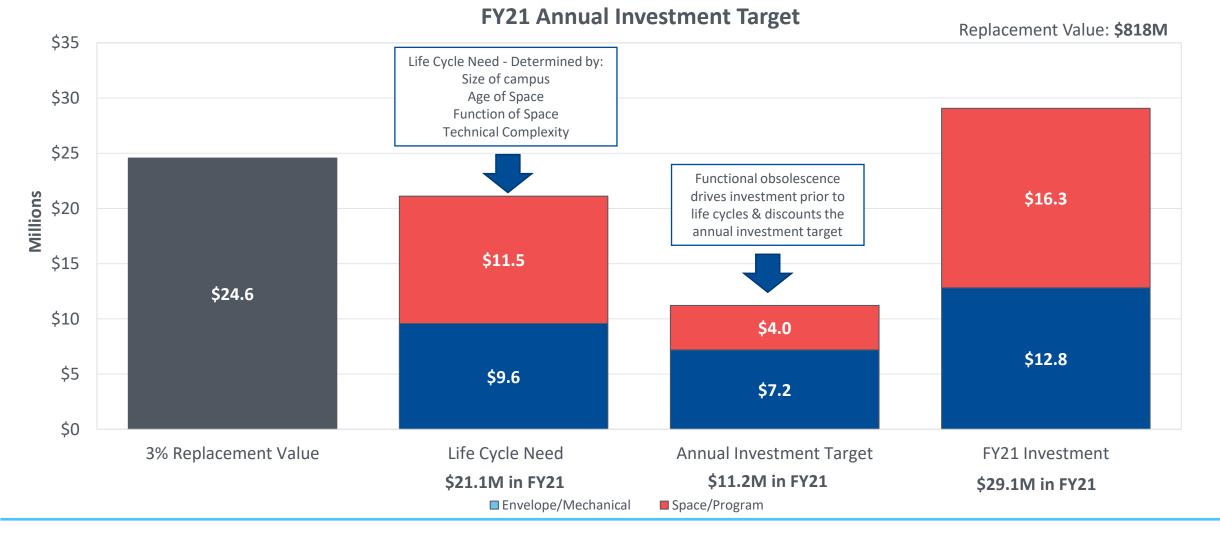


Capital investment dedicated towards existing space spending grew by 56% from FY20



## **Defining an Annual Investment Target**

#### FY21 Annual Funding Target: **\$11.2M**





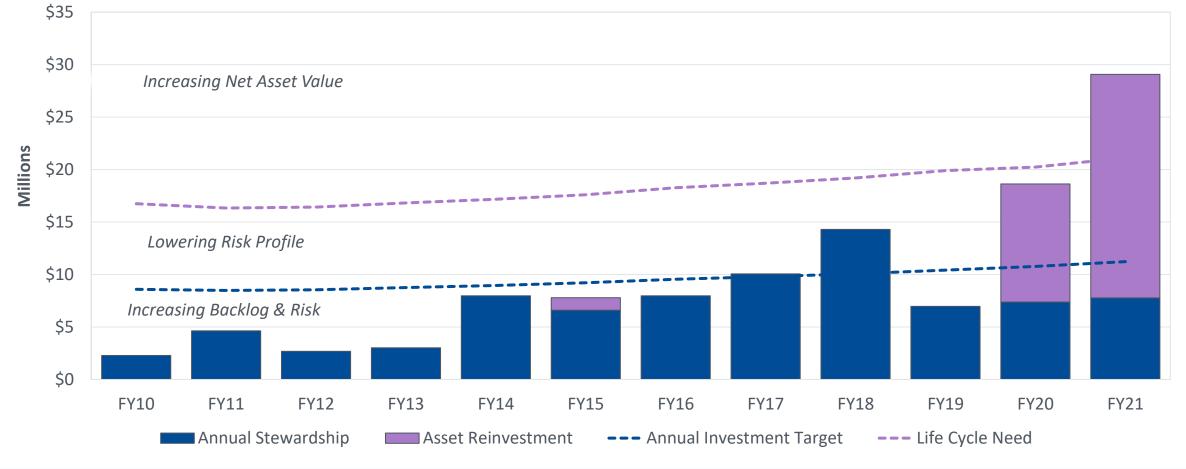


# **Strong Capital Investment in FY21 Lowers Risk Profile**



Achieving the Annual Investment Target will help to offset backlog

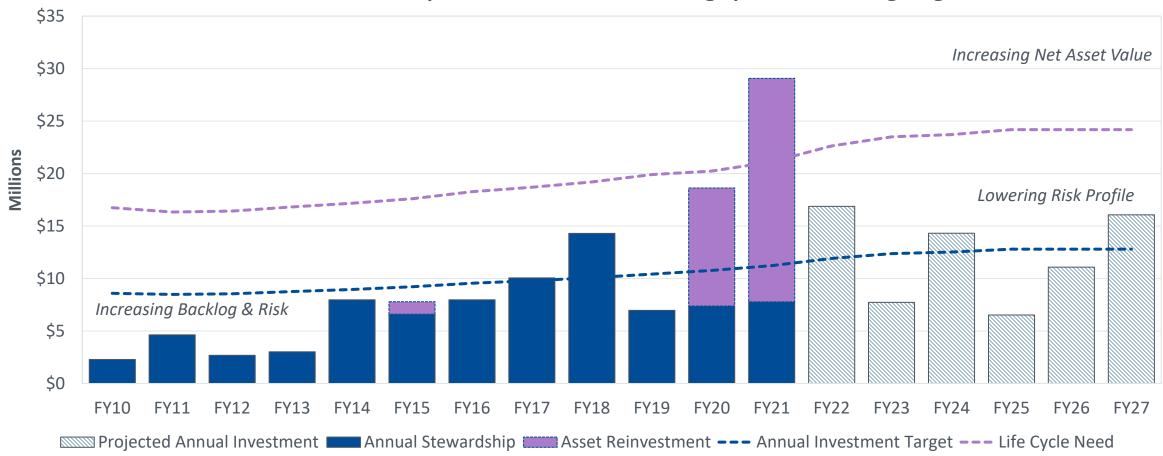




# **Future Investments will Continue to Shift Risk Profile**

RISD.

\$72.6M is projected to be invested in FY22- FY27



**Total Capital Investment into Existing Space vs. Funding Target** 

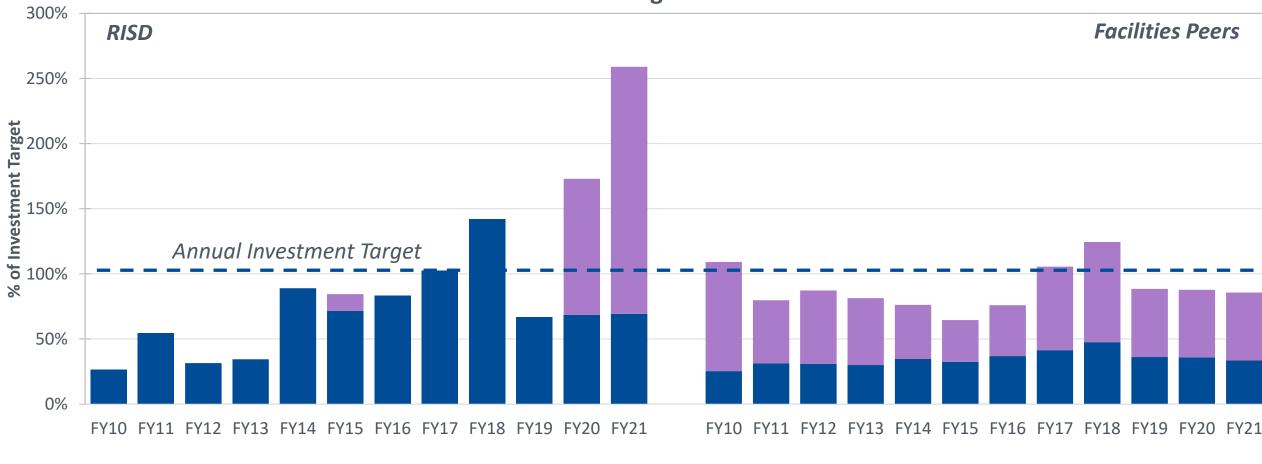
\*Projected Annual Investment based on FY20-27 Capital Plan

17

# **RISD Exceeds Annual Investment Target in FY21**



Targeted renovations funded with Asset Reinvestment funds help RISD achieve the annual investment target



#### % of Target Funded

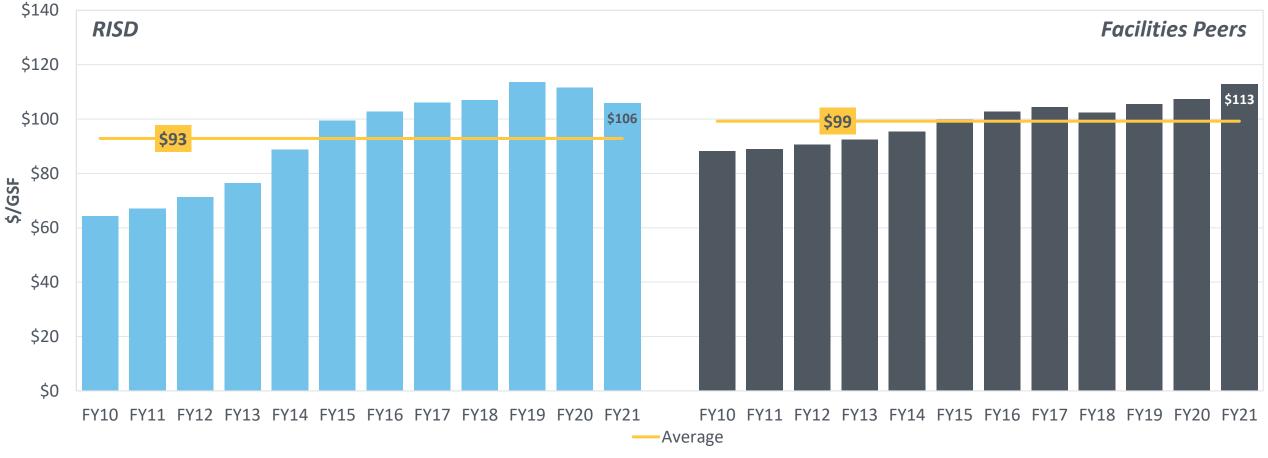
% of Target - Annual Stewardship

■ % of Target - Asset Reinvestment

## **RISD Surpassing Annual Investment Target Results in Lower AR Need**



RISD's AR Need has grown by 65% compared by peers by 28% since FY10



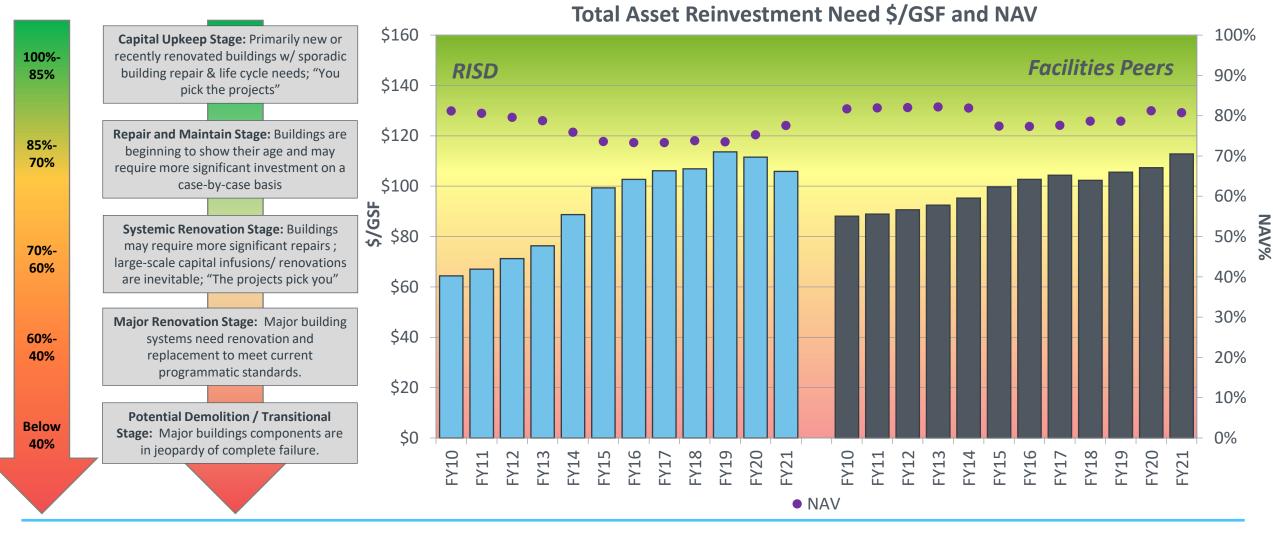
Total Asset Reinvestment Need vs. Peers



## **RISD Surpassing Annual Investment Target Results in Lower AR Need**

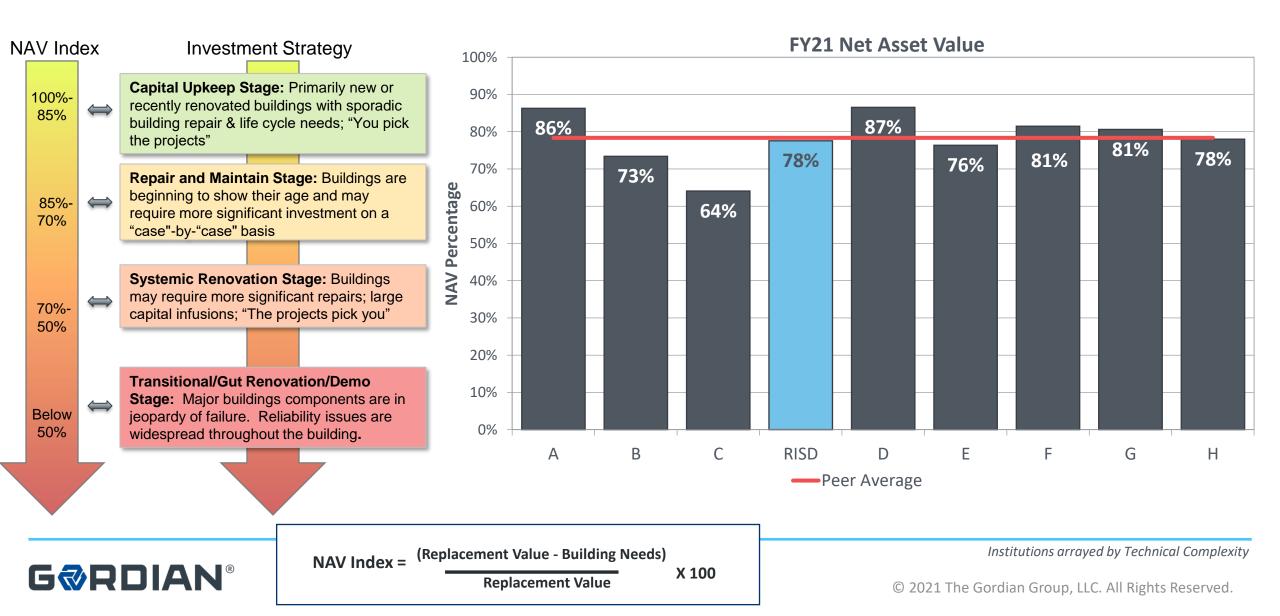


#### RISD'S NAV increases as AR Need decreases in FY21



## **RISD's NAV is Falling into the Repair and Maintain Stage**



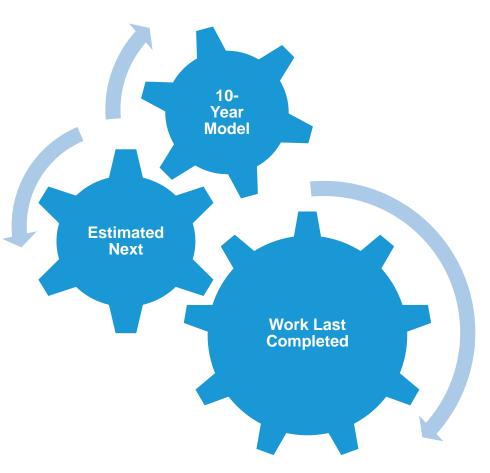


# RISD BIT

# **ROPA+ Prediction Overview**

Regionalized costs based on comprehensive database of building systems

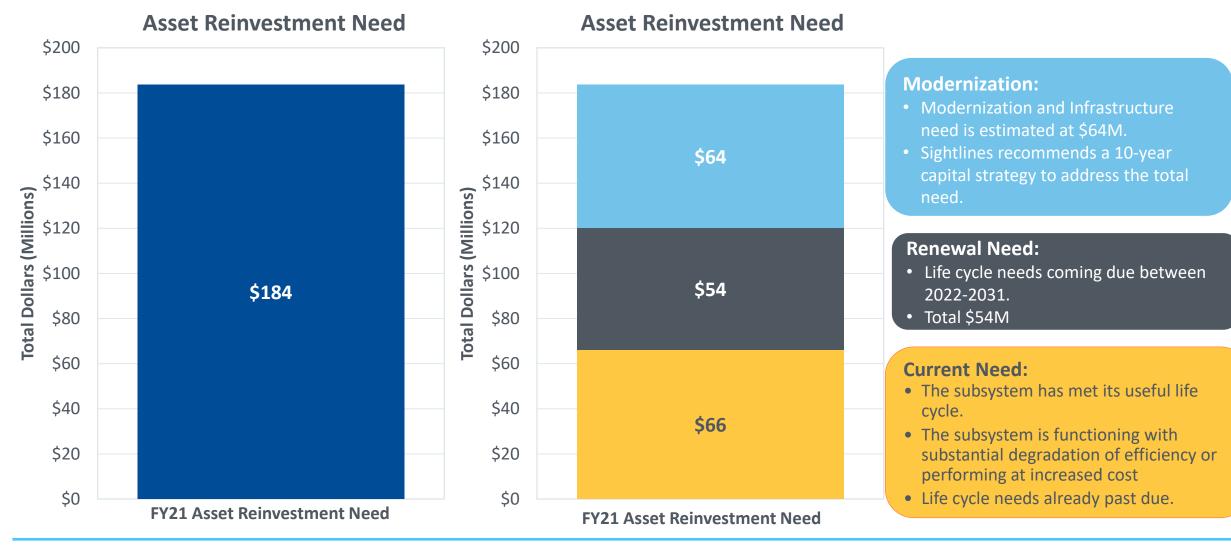
**6** Subsystems Roof Envelope **HVAC Systems Electrical** Plumbing Interiors **96% of Building Costs** 





## **ROPA+ Prediction: Predictive Investment Model**



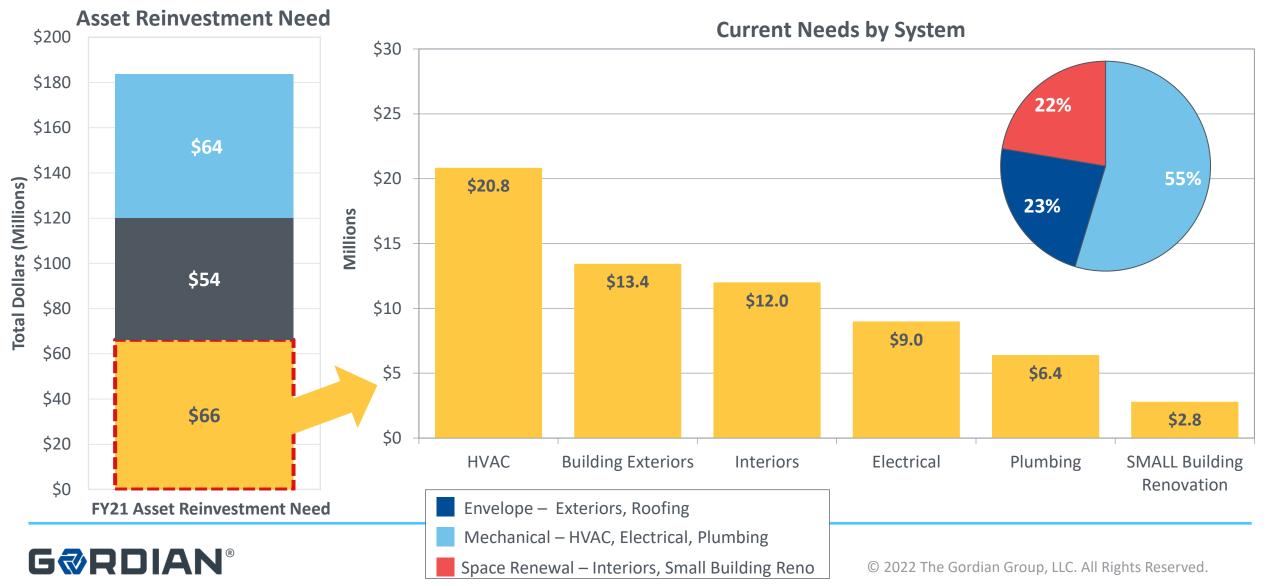




# **Current Needs Represent 36% of RISD's Total Needs**



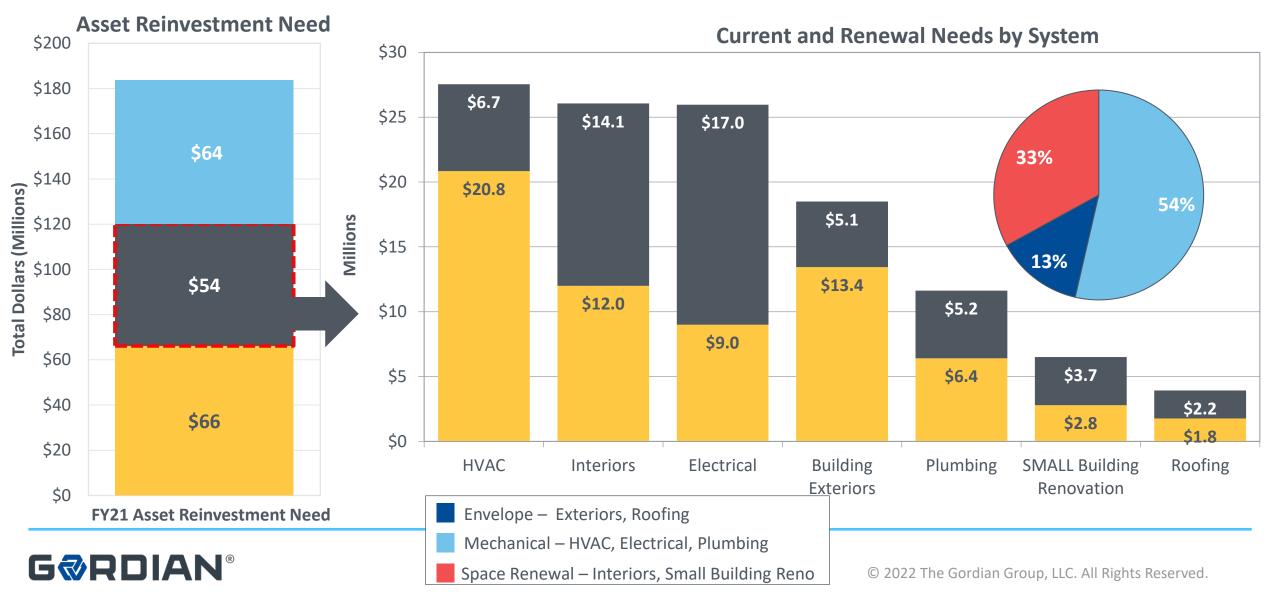
55% of Current Need Falls into Mechanical Systems



# **Renewal Needs Represent 26% of RISD's Total Needs**



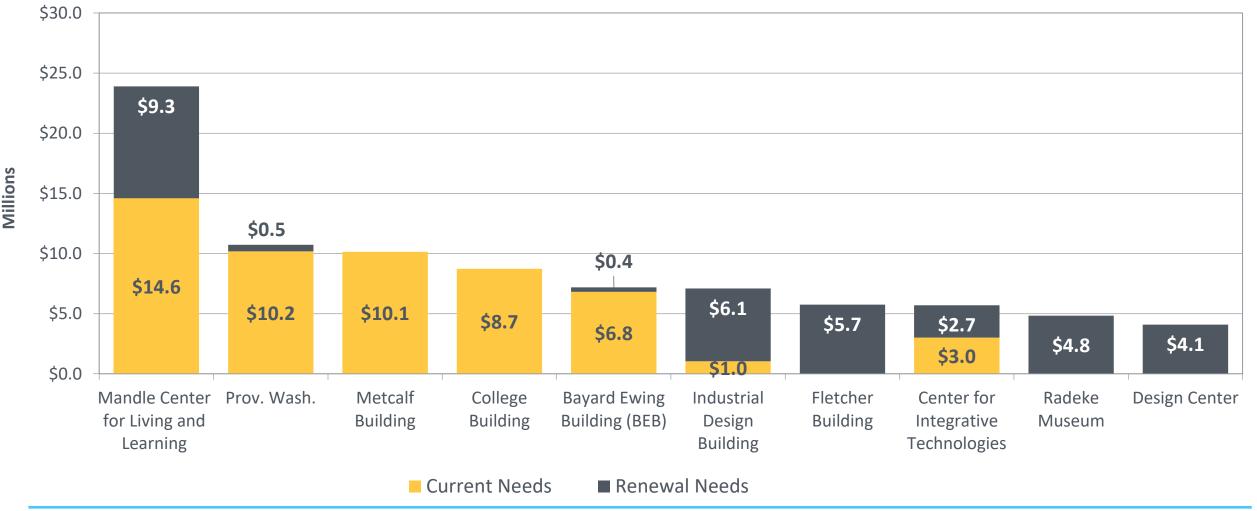
Needs associated with Electrical systems comprise 31% of the identified renewal need



## Top 10 Highest Need Buildings Make up 73% of Total Current & Renewal Need





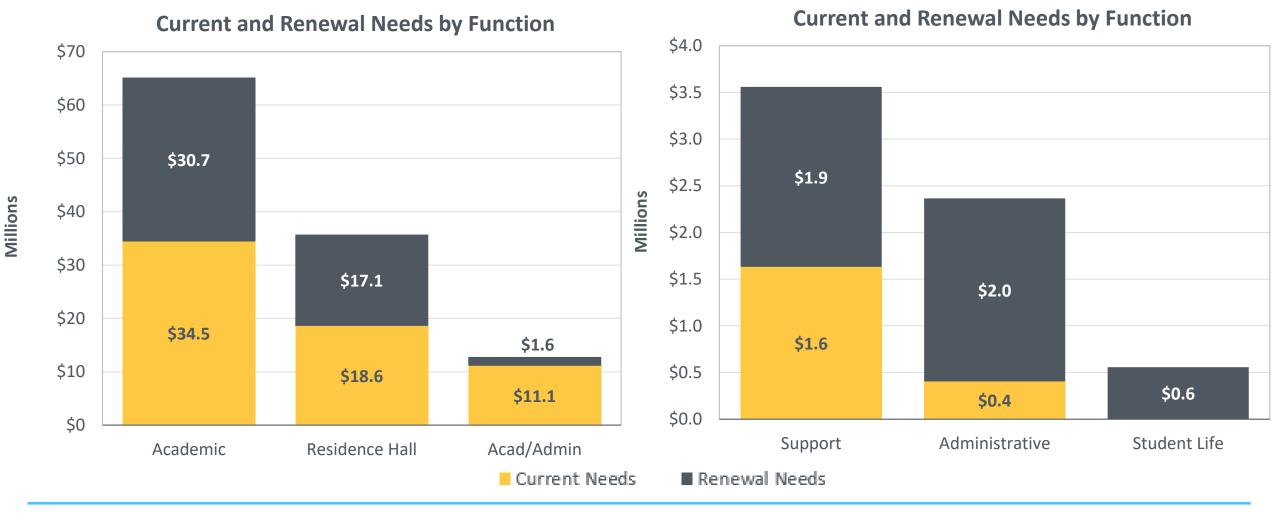




# **Understanding RISD's Needs by Function**

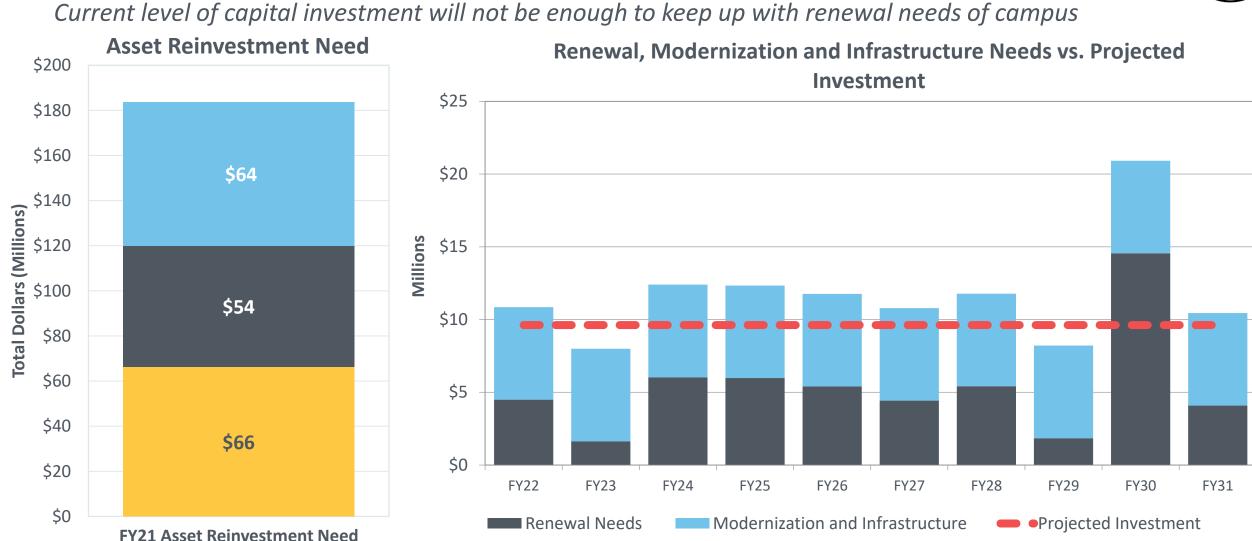


Academic buildings have the highest current and renewal needs



# **Strategic Planning Needed to Address Renewal Need**





\*Projected Investment of \$9.61M is the average investment from FY10- FY21

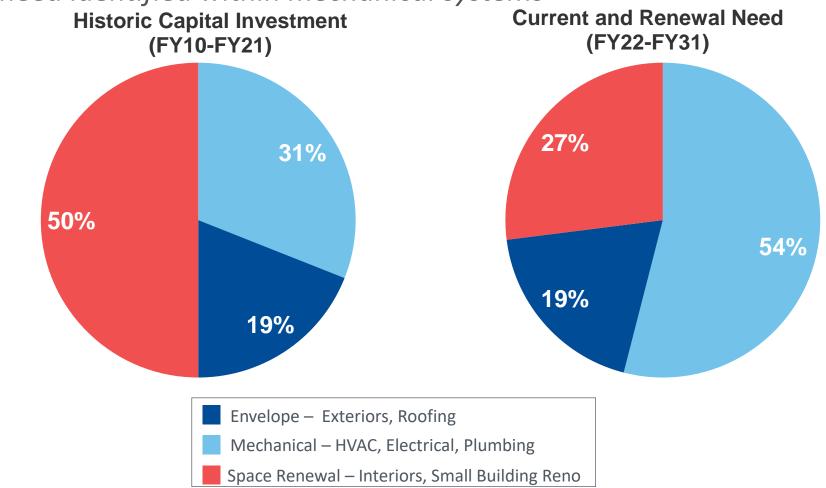


© 2022 The Gordian Group, LLC. All Rights Reserved.

# **Future Resource Allocation Needed for Mechanical Projects**



50% of historical capital investment directed towards space renewal projects, 54% of current and renewal need identified within mechanical systems



\*Excludes infrastructure, new space and non-facilities investment

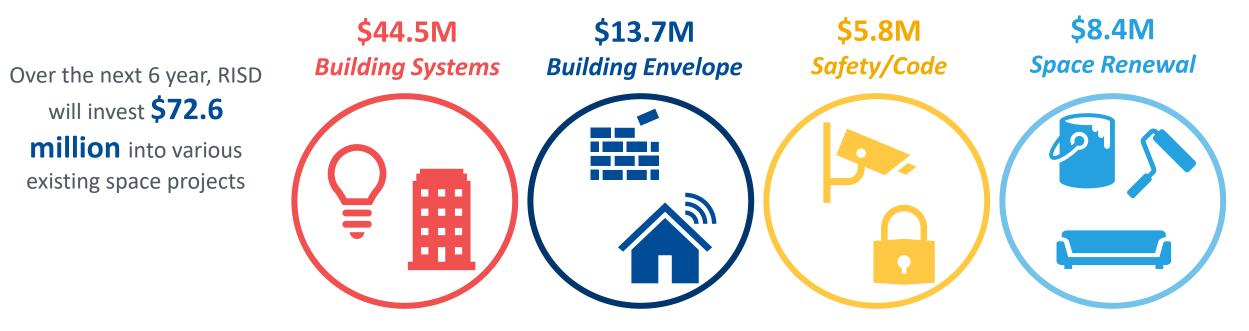
G&RDIAN®

# Linking RISD Capital Plan and Needs to Strategically Plan



Utilizing the ROPA+ Prediction and RISD Capital Plan to identify and select projects based on building needs

# FY22-FY27 RISD Capital Plan



College Building, Mandle Center, Metcalf Building, Bayard Ewing Building (BEB), Colonial Apartments, Auditorium and South Hall have the highest targeted investments from FY22-FY27 within the capital plan



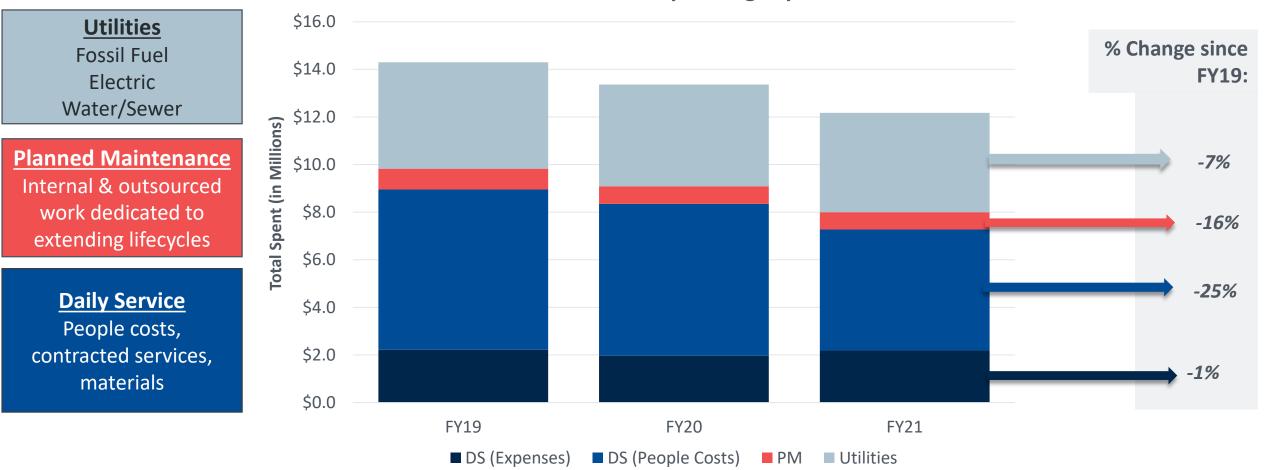
# **Operations Profile**



## **Operating Expenses Decreased As RISD Responded to COVID Impacts**



Facilities staff service campus with more responsibilities due to COVID 19 with a leaner budget



#### **Historical Actual Operating Expenditures**

**G**<sup>®</sup>**RDIAN**<sup>®</sup>

\*Operating budget does not include Covid-19 expenses

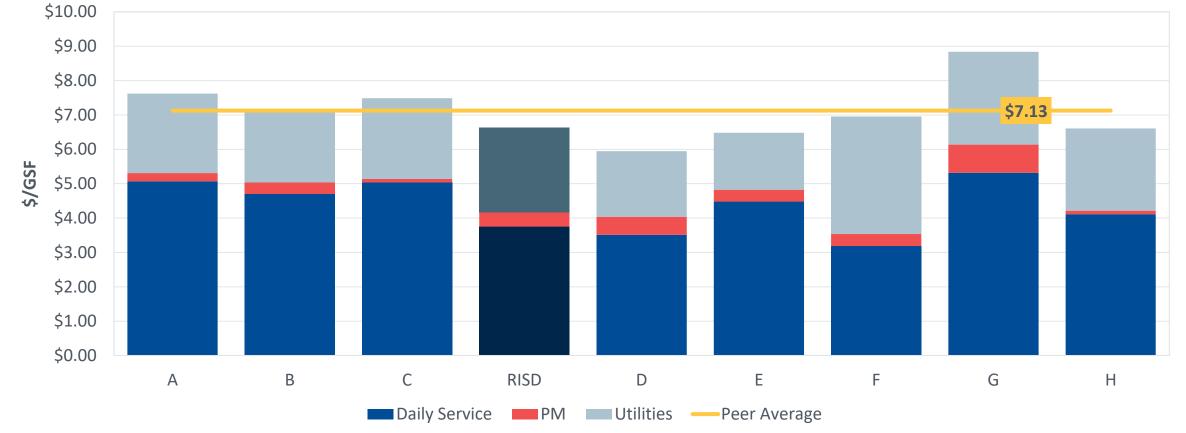
# **FY21 Operating Expenditures Below Peer Levels**



On average, RISD spending 7% less on total operating expenditures compared to peers when regionally adjusted

#### **FY21** Facilities Operating Actuals

Regionally Adjusted COLI

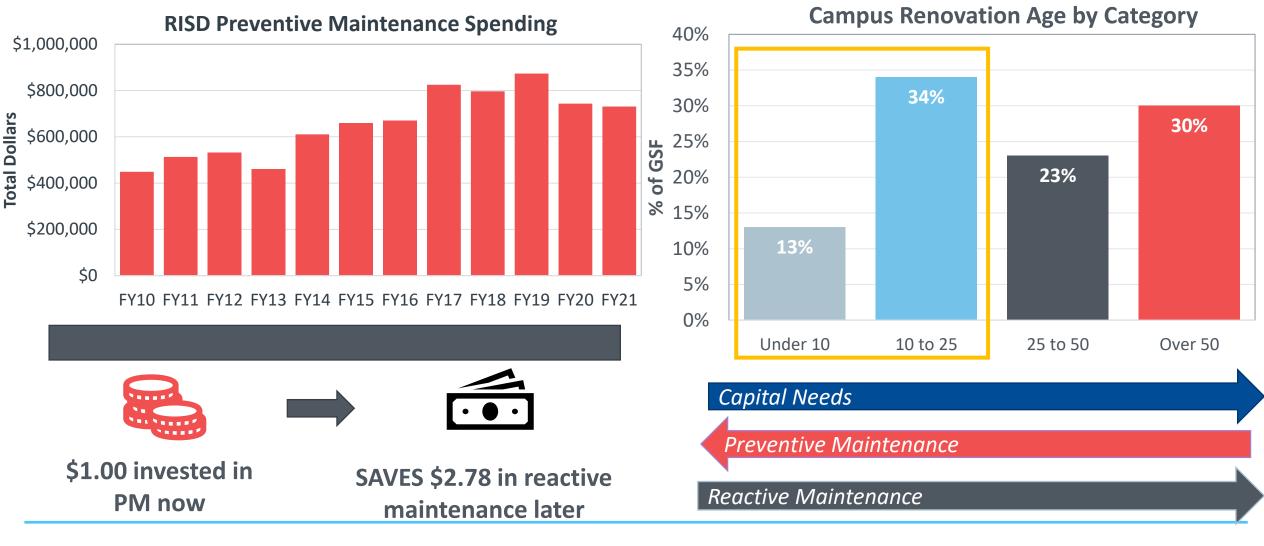


Arrayed by Technical Complexity

# **RISD's Strong Dedication to PM Impacts Future**

RISD -

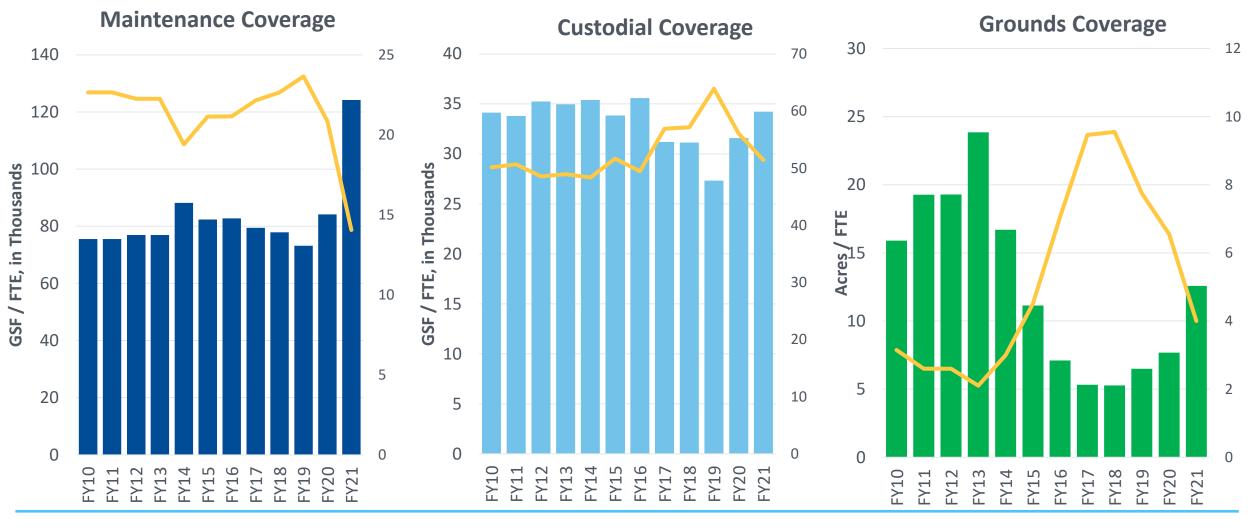
47% of RISD's age profile require preventive maintenance to extend useful life of systems on campus





# **Decreasing Staffing Levels Impacts Coverage**

Steady increase of GSF/FTE, as more positions became vacant



**Total FTES** 



36