

Repair and Renovate

Capital Renewal

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Repair and Renovate

The act of upgrading, renovating, refurbishing, remodeling, repairing or renewing our facilities.

History of Campus Construction

Pre-War

Built before 1951
Durable construction
Older but typically lasts longer

Post-War

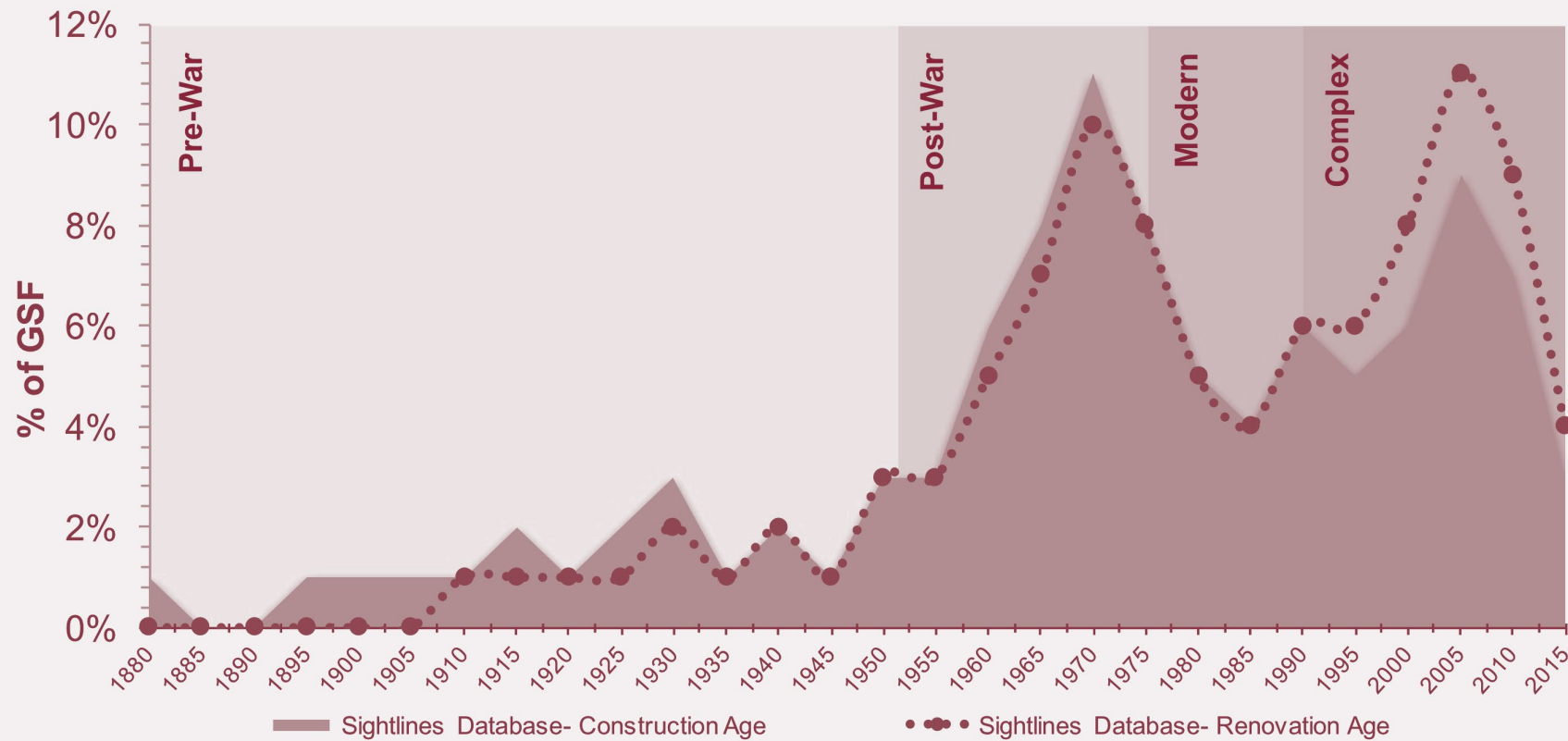
Built between 1951 and 1975
Lower-quality construction
Already needing more repairs and renovations

Modern

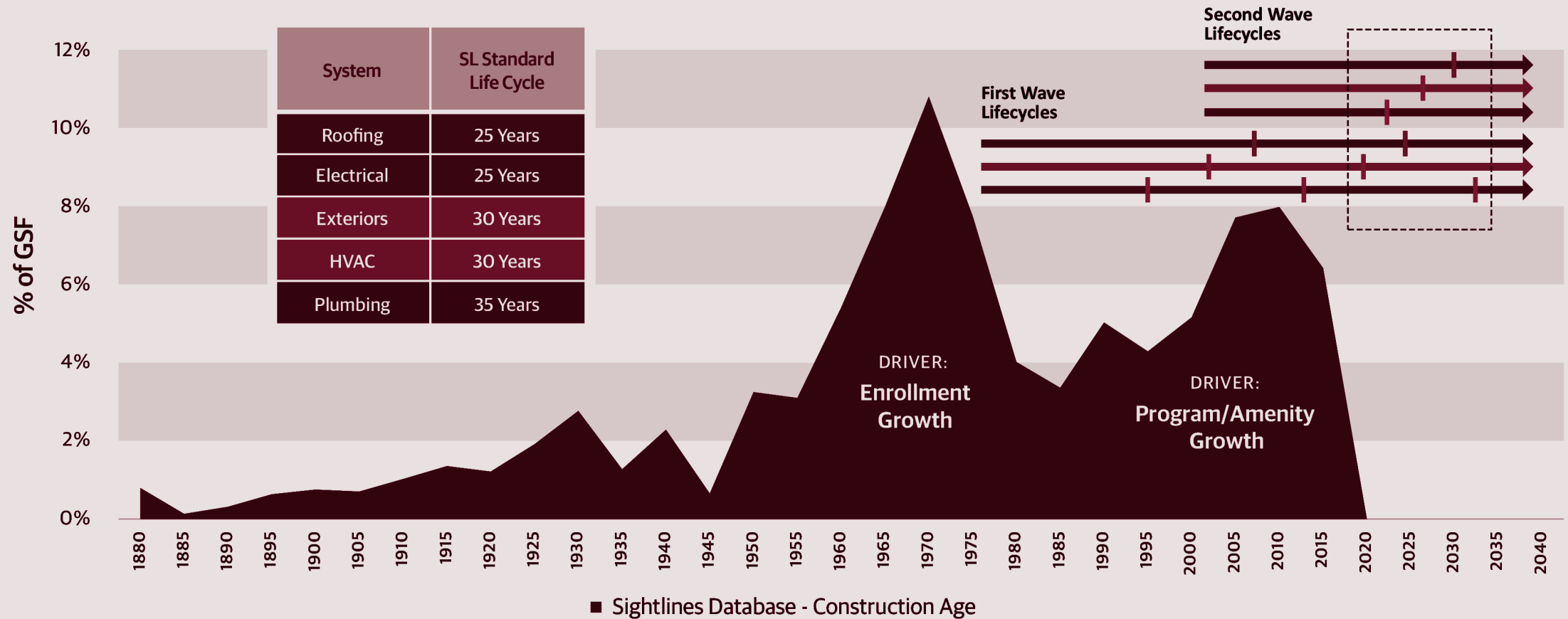
Built between 1975 and 1990
Quick-flash construction
Low-quality building components

Complex

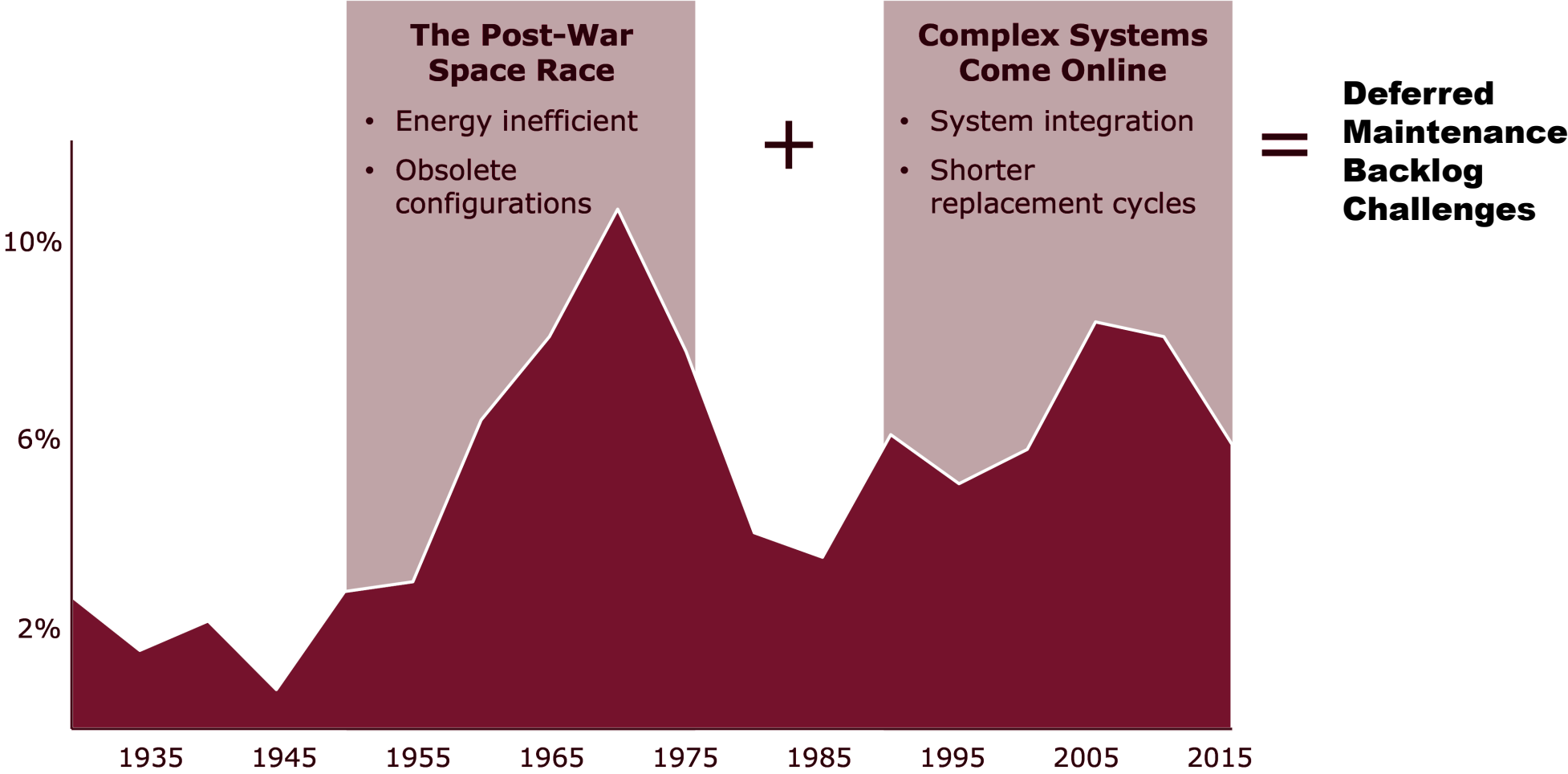
Built in 1991 and newer
Technically complex spaces
Higher-quality, more expensive to maintain & repair



Waves of Construction Drive Capital Needs

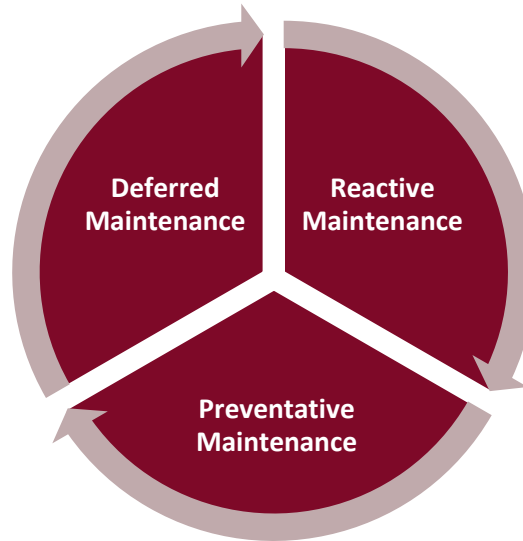


Percentage of Total Higher Ed Space by Year of Construction



Relationship Between Different Maintenance Activities*

As the deferred maintenance backlog grows, there is increased risk of system failure



As systems fail, Facilities must dedicate resources to reactive maintenance, leaving fewer resources for preventative maintenance

Dedicating fewer resources to preventative maintenance increases the amount of deferred maintenance

Representative Impact of Repair and Renovation*

1.5X

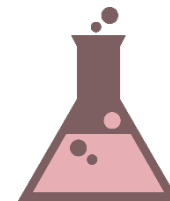
Average growth of deferred maintenance backlog compared to inflation

66%

Of buildings nationally are due for significant renovations and upgrades



Institutions increasingly forced to transfer renewal costs to students in form of new fees



Outdated facilities are difficult to adapt to needs of most advanced research



2019-2025 CAPITAL PLAN

December 2018



Questions