

Past & Future Investment

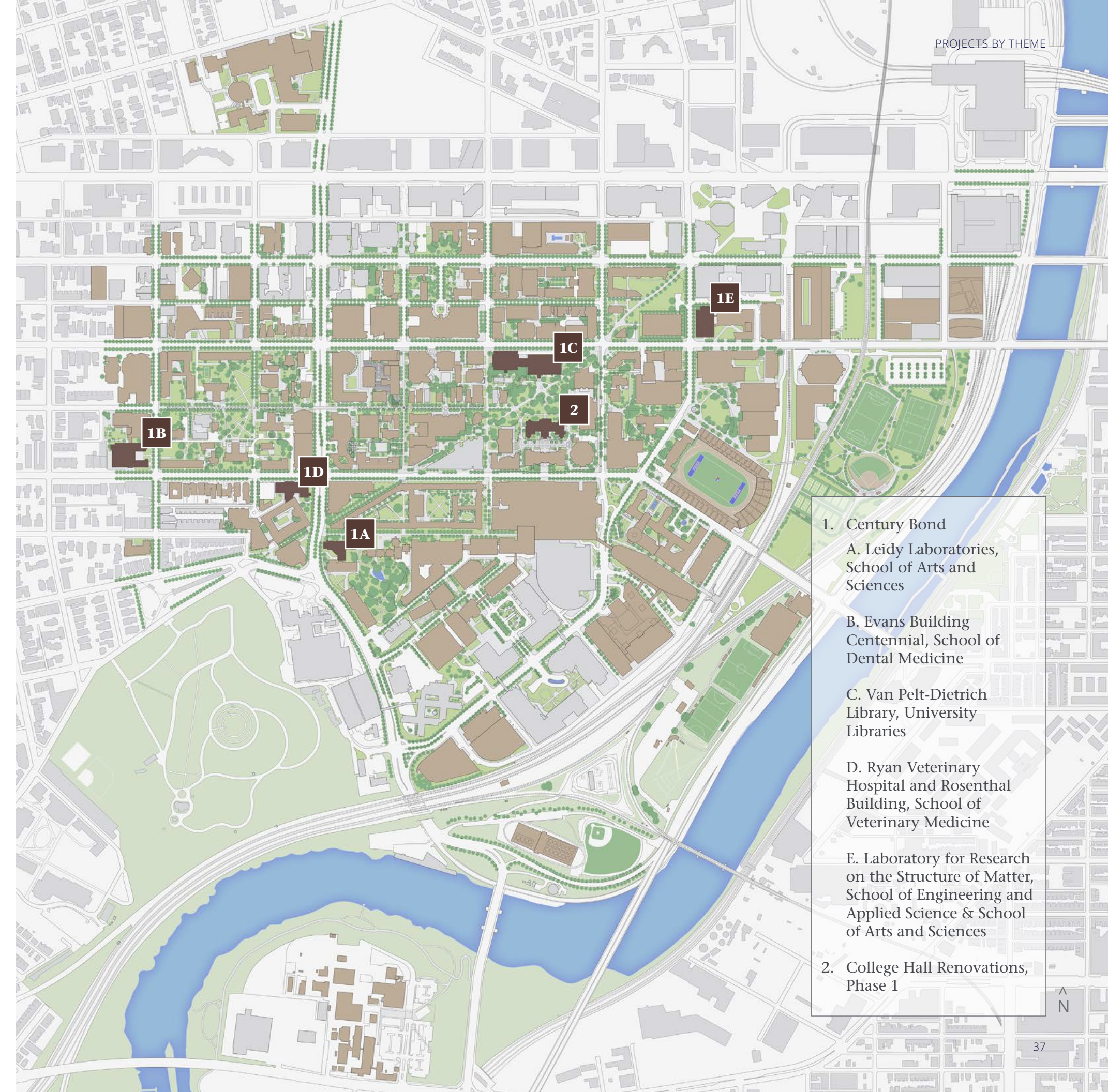
As a University, Penn prioritizes building reinvestment to achieve campus-wide sustainability goals. Penn's Century Bond program is funded by a bond that has a 100-year term. The funds are directed toward financing projects that will help Penn fulfill its goal of reducing the institution's carbon footprint.

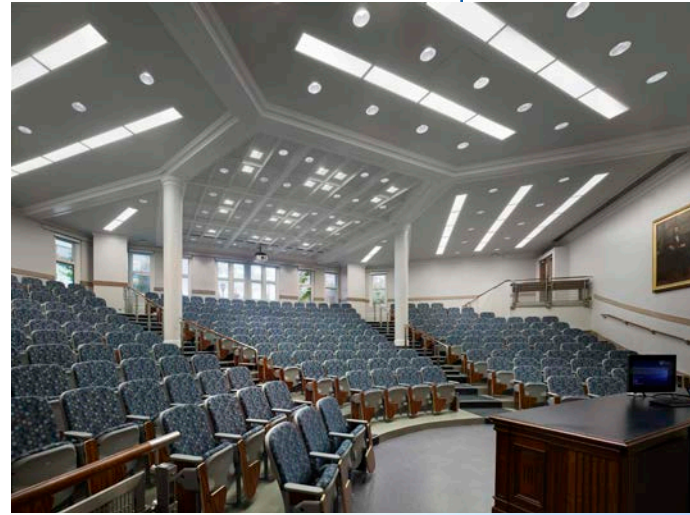
The renovation projects planned in Penn Connects 3.0 are designed to support energy efficiency and reduce deferred maintenance. The renovation projects are part of an effective energy management and conservation strategy. Coupled with sophisticated energy demand techniques, Penn is investing in the future by renovating its infrastructure.



Richards Building

NEW CONSTRUCTION RENOVATION OPEN SPACE





CENTURY BOND

Penn’s Century Bond program is funded by a \$300M bond issued in Spring 2012 that has a 100-year term. Of that total, \$200M is directed towards financing upgrades in lighting and HVAC systems that support energy efficiency and reduce deferred maintenance. The program will help Penn fulfill its goal of reducing its carbon footprint as outlined in its *Climate Action Plan*. Approximately \$8.5M has been invested in 45 energy efficient lighting upgrades, resulting in a 50-75% energy reduction and \$190M is planned for HVAC improvements with an anticipated 20-65% energy reduction. The remaining funds will be used for other strategic priority projects.

Buildings with significant HVAC upgrades in Phase 3.0 include:

- (1A) Leidy Laboratories, School of Arts and Sciences —\$22M
- (1B) Evans Building Centennial, School of Dental Medicine —\$37M
- (1C) Van Pelt-Dietrich Library, University Libraries —\$18M
- (1D) Ryan Veterinary Hospital and Rosenthal Building, School of Veterinary Medicine —\$41M
- (1E) Laboratory for Research on the Structure of Matter, School of Engineering and Applied Science & School of Arts and Sciences —\$21M



1

2

COST \$7 MILLION

COLLEGE HALL RENOVATIONS, PHASE I

College Hall, the first building on the West Philadelphia campus, was constructed with a serpentine stone façade and opened in 1873. The east wing was restored in multiple phases from 1990-2000. As part of a larger renovation of the west wing, this initial phase of work will include repairing and painting windows, relocating roof drainage outside the building footprint, adding roof anchors, and relocating central utilities including chilled water, steam service, and hot water systems.

