THE STEWART BUILDING FOR APPLIED SCIENCES

Failing Facilities

Multiple site studies have documented a litany of serious issues. A 2018 feasibility study concluded, "[Maintenance] costs will only escalate and still barely stay ahead of their failing systems. The current state of these **aging facilities and failing infrastructure places them in immediate crisis**."

STEM Bottlenecks

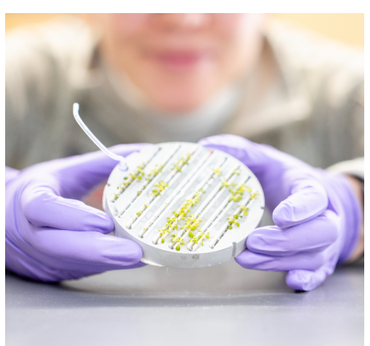
The University of Utah is facing record STEM enrollment. Courses taught in this building are necessary for **37 different STEM degree programs and 9 pre-professional programs**, including all engineering, pre-medical, and computer science programs.

More STEM Graduates

The project will result in **a 56% increase in capacity** for experimental and computing labs, allowing the departments to address critical bottlenecks due to high demand for required STEM courses. The desperately needed space and modern labs will play an important role in expanding the University's ability to produce STEM graduates.

Workforce Impact

The University of Utah produces **49% of STEM degrees and 72% of STEM graduate degrees** awarded by USHE institutions in the state of Utah. These graduates are essential to Utah's growing STEM economy. STEM graduates from the University of Utah can be found in every county in the state in industries ranging from from aerospace to mining to healthcare.



Project Overview

The project consists of a renovation and addition to the historic William Stewart Building, and, due to substantial code and life safety concerns, the demolition of the majority of the James Fletcher Building.

Total Budget: $84,560,000

Request from the State: $60,000,000

Private Funding: $24,560,000

Current Donor Commitments: $11,000,000

O&M Increase: $646,520

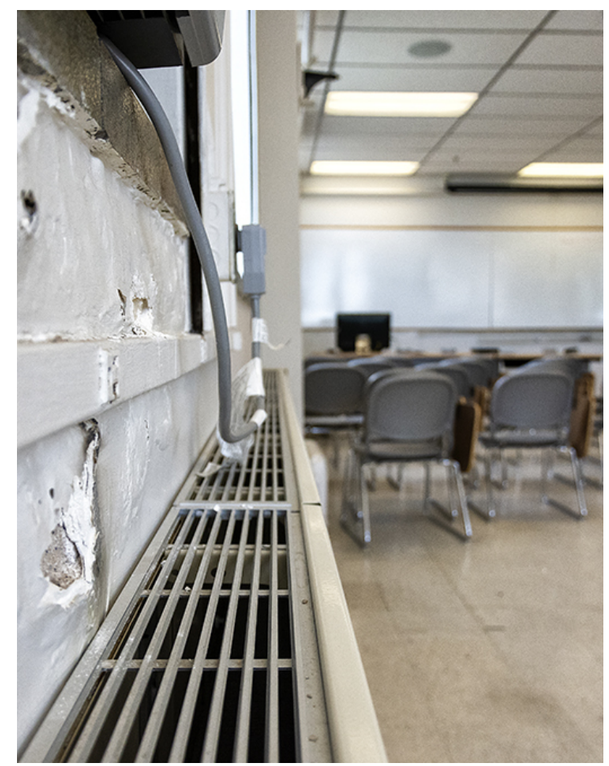
Stewart Project: 140,729 Sq. Ft.

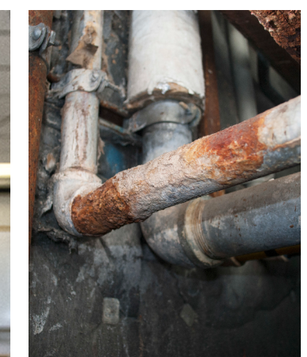
Renovation: 40,729 Sq. Ft.

Addition: 100,000 Sq. Ft.

Fletcher Demolition: 53,860 Sq. Ft.

The building will house the Departments of Physics & Astronomy and Atmospheric Sciences. Combined, the departments teach 5,603 students and have 46 faculty members, 219 majors, and 117 graduate students. They brought in $11,510,451 in outside research funding in FY19.



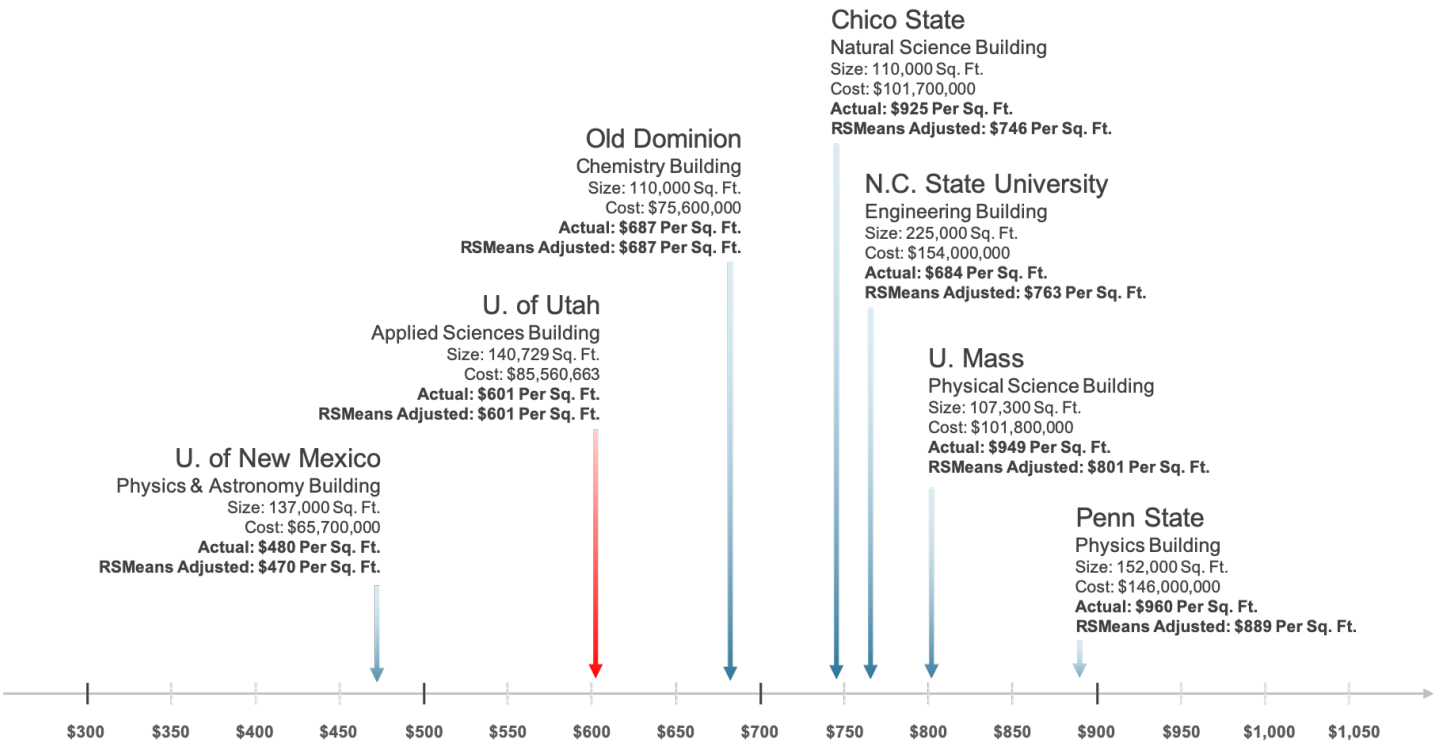


5-Star Occupations

The Utah Department of Workforce Services defines certain high-demand fields as 5-star occupations. **The University of Utah is the top USHE producer of 5-star STEM degrees, producing 46% of graduates**. This project will allow the University to increase the speed in which students can earn those degrees.

Cost-Effectiveness

Adjusted Cost Per Square Foot Estimates of Comparable STEM Projects Nationwide:



This graph tracks the cost per square foot of current STEM capital projects nationwide using the 2018 RSMeans Estimated Cost Data. RSMeans is considered the industry standard when producing cost comparisons.

Additional Information:

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