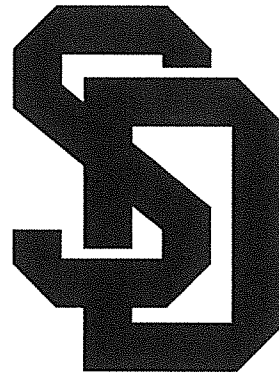


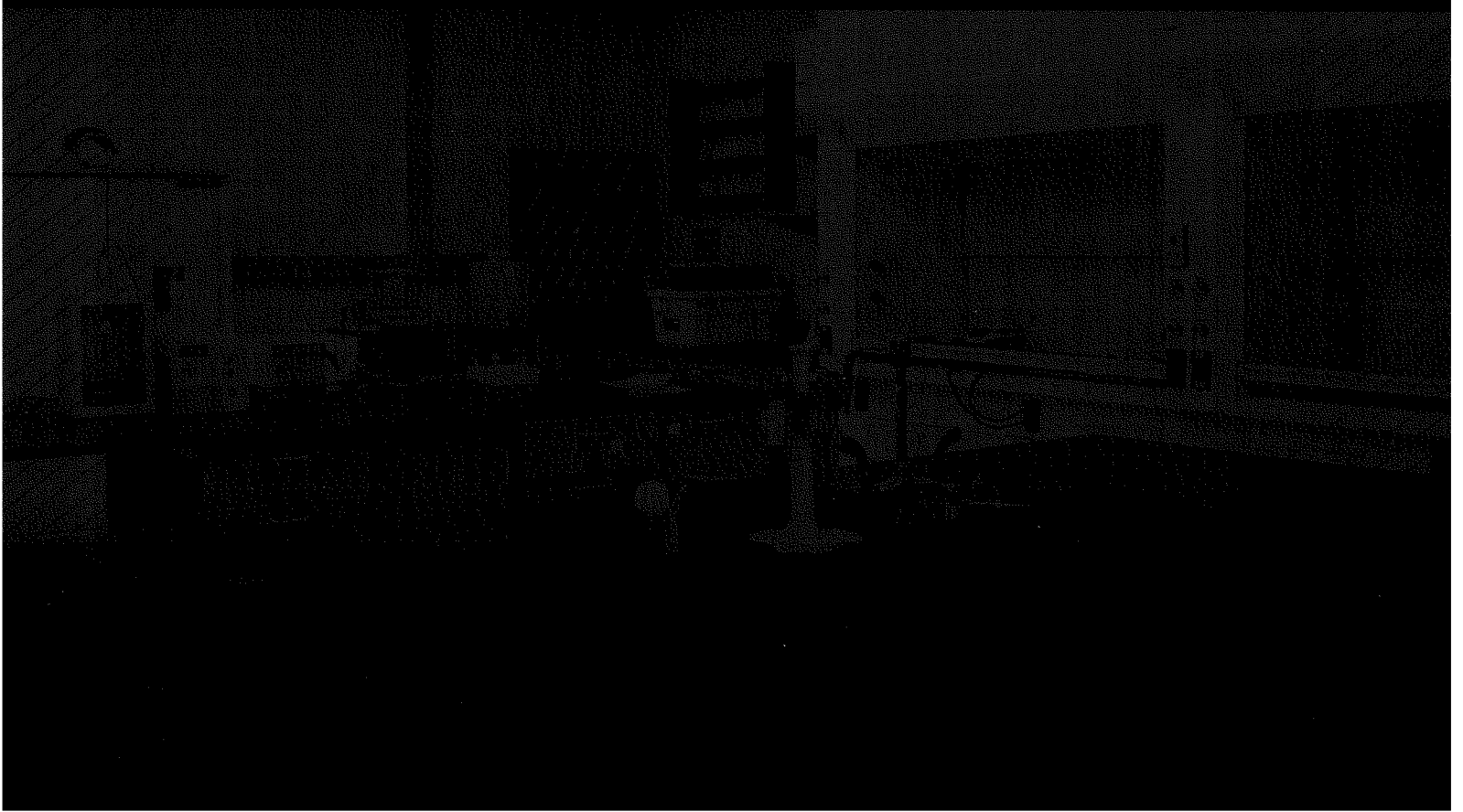
#2



UNIVERSITY OF
SOUTH DAKOTA

Senate Bill 96

Make an appropriation to the Board of Regents to renovate the science laboratories in the Churchill-Haines building at the University of South Dakota.



REQUEST: \$10 MILLION

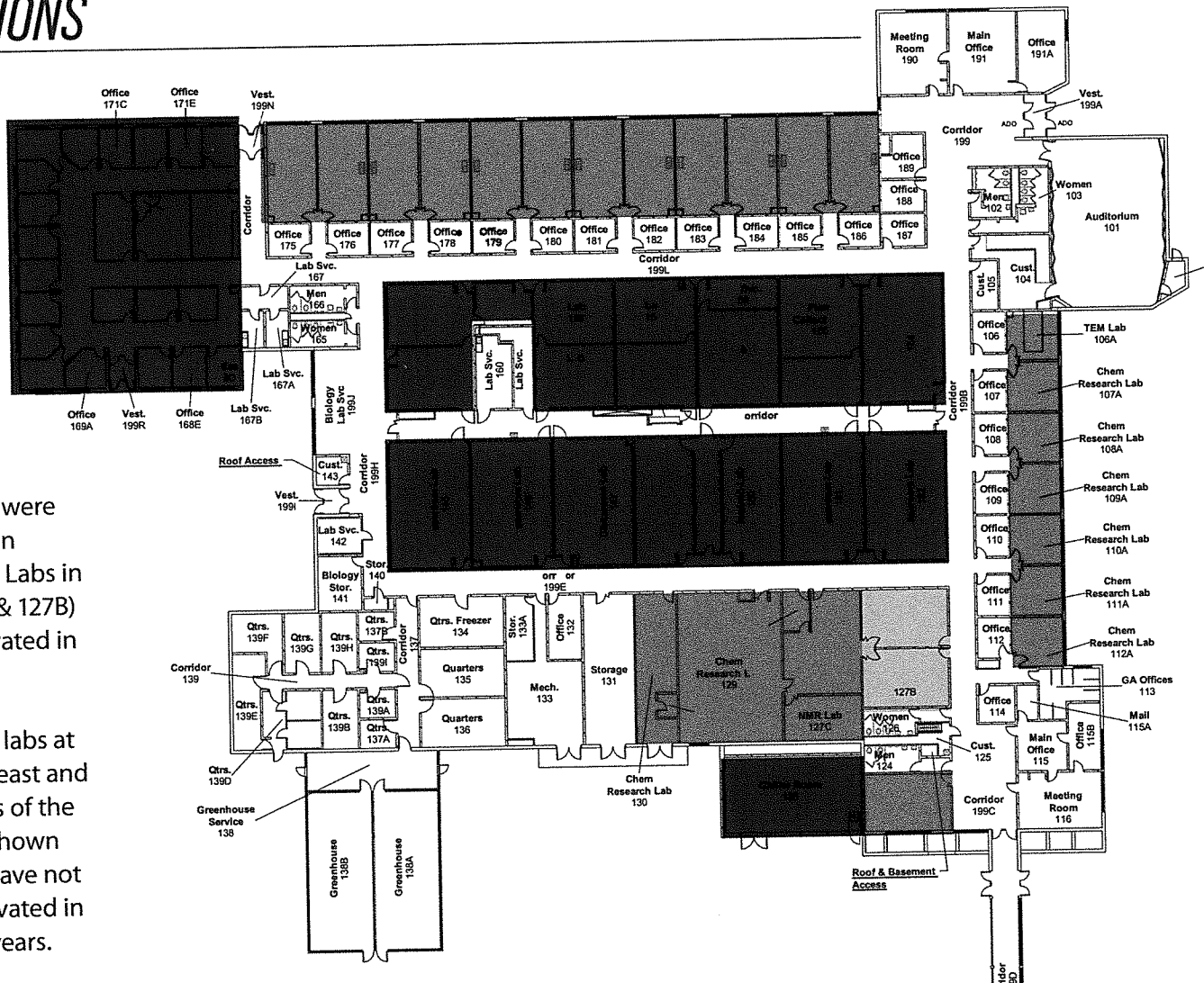
- ▶ Churchill-Haines is home to USD's Department of Chemistry.
- ▶ A one-time appropriation of \$10 million will update chemistry laboratories that have not been renovated since Churchill-Haines was constructed in 1974. Without facility investment, USD risks losing faculty researchers who attract a significant amount of external research funding each year (\$7M in the past five years).
- ▶ Renovation will include upgrades to interior finishes as well as upgrades to plumbing, HVAC and electrical systems.



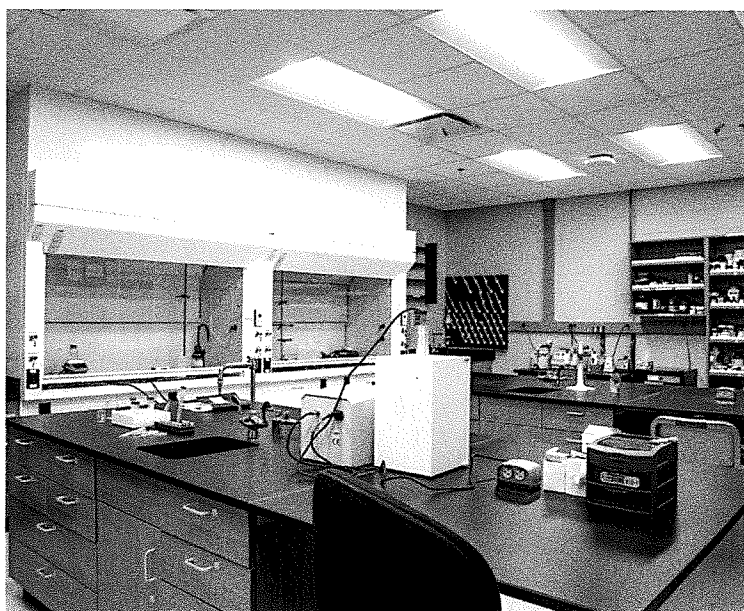
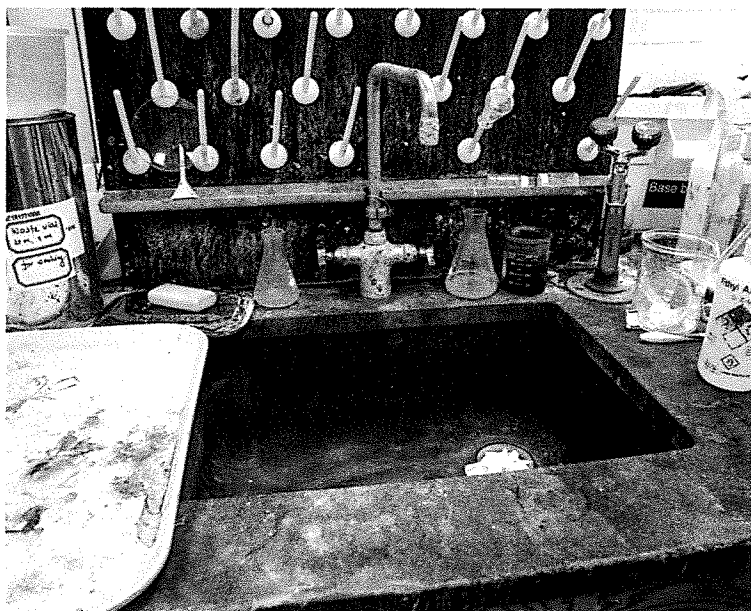
By renovating USD's laboratories all at once instead of gradually updating, USD could realize significant savings due to increases in construction costs each year.

RENOVATIONS

- ▶ Labs in red were renovated in 2008/2009. Labs in gray (127A & 127B) were renovated in 2021.
- ▶ Remaining labs at the north, east and south sides of the building (shown in green) have not been renovated in nearly 50 years.

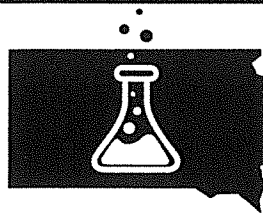


LABORATORY RENOVATION EXAMPLES



Churchill-Haines 123
Has not been renovated since building
was constructed in 1974

Churchill-Haines 127A & B
Renovated in 2021



USD's chemistry department contributes significantly to USD's economic impact to South Dakota. **Over the past five years, the department received approximately \$7M in research awards to faculty members.**

SOUTH DAKOTA'S WORKFORCE

Graduates of USD's chemistry program strengthen South Dakota's economy by serving as leaders for a number of local businesses and organizations, including:

- ▶ Sanford Health (family medicine in Sioux Falls)
- ▶ Monument Health (radiology in Spearfish)
- ▶ Avera Medical Group (OB/GYN in Watertown)
- ▶ Yankton Medical Clinic (family medicine in Yankton/Vermillion)
- ▶ VA Sioux Falls Health Care (pharmacy)
- ▶ POET
- ▶ South Dakota Public Schools (Yankton Middle School and Vermillion High School)
- ▶ South Dakota Department of Social Services
- ▶ Augustana University Chemistry Department
- ▶ Vance Thompson Vision
- ▶ Maguire Iron



Frank Leibfarth
Yankton, S.D.

'08, Chemistry and Physics

Named one of "The Brilliant 10: The Most Innovative Up-And-Coming Minds in Science" by *Popular Science*



Sarah Aker
Piedmont, S.D.

'12, Chemistry and Political Science

Medicaid Director, South Dakota Department of Social Services

MODERN FACILITIES ARE CRITICAL TO RECRUITING AND RETAINING HIGH-QUALITY STUDENTS AND FACULTY

- ▶ USD's chemistry department achieves the highest standards of chemistry education for programs ranging from bachelor's degrees to a Ph.D., and has maintained accreditation from the American Chemical Society for more than 80 years.
- ▶ The department has produced many of the university's national award winners including Rhodes, Goldwater and Fulbright Scholars, as well as National Science Foundation Graduate Research Fellows.
- ▶ In recent years, USD chemistry graduates have entered local industry, become medical doctors/dentists and continued to professional or graduate school.
- ▶ USD chemistry students are offered many opportunities to do research with world-renowned faculty and work on projects related to solar energy, environmental remediation, catalysis, artificial viruses, polymer chemistry and much more.