

Davis Campus

Project Summaries

Group 1: 2022-23 and 2023-24

Capital Need with Funding Identified

EDUCATION AND GENERAL

Agricultural Innovation Center

- Fund source(s): Gift Funds and External Financing
- Budget: \$62.1 million
- 20,000 ASF / 35,000 GSF
- Project Objective Categories: Infrastructure, Enrollment, Other Activity Space
- Project would:
 - Construct a dynamic facility expansion to enable multidisciplinary research that addresses global needs and challenges.
 - Integrate flexible space in the innovation zone to develop new human-technology partnerships and augment human performance.
 - Provide a pivotal facility for research on and solutions for machine learning and artificial intelligence in support of the advancement of plant science.

Animal Sciences Teaching Facility

- Fund source(s): External Financing
- Budget: \$13.5 million
- 5,000 ASF / 6,000 GSF
- Project Objective Categories: Enrollment, Other Activity Space
- Project would:
 - Add a classroom to the existing Animal Sciences Teaching Facility to support additional instruction.
 - Support Animal Sciences majors and general education courses.

Botanical Conservatory

- Fund source(s): Gift Funds
- Budget: \$20 million
- 25,000 ASF / 30,000 GSF
- Project Objective Categories: Enrollment, Other Activity Space
- Project would:
 - Construct a new greenhouse facility to expand capacity; may include ancillary support service and program space.
 - Serve the College of Biological Sciences and the UC Davis Botanical Conservatory.
 - Include climate controls.

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Group 1: 2022-23 and 2023-24

Capital Need with Funding Identified

Capital Projects < \$10M

- Fund source(s): Campus Funds and External Financing
- Budget: \$190 million
- NA ASF / NA GSF – Various Projects
- Project Objective Categories: Seismic, Life Safety, Aging Plant, Infrastructure, Other Activity Space
- Project would:
 - Include major capital projects budgeted under \$10,000,000 each.
 - Include renovations, new construction, equipment installation, and other projects.
 - Address needs to support new faculty and research initiatives.
 - Advance specific projects, which are anticipated in 2022-23 to include various demolitions, parking expansions and renovation, security upgrades, building renovation projects including office, laboratory, and instructional space upgrades, seismic improvements including Fire & Police Building and Central Plant Seismic Improvements, campus connectivity improvements, and Airport Renovations.
 - Prioritize projects with the highest value for advancing the campus mission projects.

Community Building at Aggie Square

- Fund source(s): External Financing
- Budget: \$50 million
- TBD ASF / 32,000 GSF
- Project Objective Categories: Infrastructure, Enrollment, Other Activity Space
- Project would:
 - Serve as a component of the vision for Aggie Square on the Sacramento campus.
 - Provide space for public-facing programs oriented toward health and healthy communities and support other programs to be defined.

Computational and Data Sciences

- Fund source(s): Gift Funds
- Budget: \$50 million
- 30,000 ASF / 47,000 GSF
- Project Objective Categories: Enrollment, Other Activity Space
- Project would:
 - Construct a new facility to address space and data storage/processing needs.
 - May provide research and administrative office space.
 - Address space constraints that have forced the unconnected location of related programs and support growth in the College and new initiatives.

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Capital Need with Funding Identified

Geotechnical Centrifuge Facility

- Fund source(s): Federal Grant and Campus Funds
- Budget: \$129 million
- 25,000 ASF / 45,000 GSF
- Project Objective Categories: Aging Plant, Other Activity Space
- Project would:
 - Construct a world-class centrifuge modeling facility to house three new centrifuges with ancillary equipment.
 - Improve the existing geotechnical lab and remove antiquated equipment from the existing facility.
 - Deliver research, office, and storage space to support the program.
 - Integrate geotechnical laboratories for synergy across research activities.

Grand Challenges (Multidisciplinary Research)

- Fund source(s): Gift Funds and External Financing
- Budget: \$200 million
- TBD ASF / 100,000 GSF
- Project Objective Categories: Enrollment, Aging Plant, Other Activity Space
- Project would:
 - Support UC Davis' commitment to STEM, including support for research activities.
 - Provide a multidisciplinary building intentionally planned to transform how research is performed to advance solutions to national and global challenges.
 - Support programs that involve multiple departments.
 - Be located proximate to other research and student programs and services wherever possible.
 - Provide a range of space types, potentially including a technical core and a collaboration core, laboratories, office space for interdisciplinary projects, and administrative and other support space.

Infrastructure Projects < \$10M

- Fund source(s): Campus Funds
- Budget: \$42 million
- NA ASF / NA GSF – Various Projects
- Project Objective Categories: Aging Plant, Infrastructure

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Capital Need with Funding Identified

- Project would:
 - Include infrastructure improvement projects budgeted below \$10,000,000 each.
 - Include renovations, new construction, equipment installation, and other infrastructure projects across the campus' range of infrastructure systems.
 - Address near-term needs and support new or emerging regulatory requirements.
 - Advance specific projects anticipated in 2022-23. Potentially includes water system improvements on the Davis campus and satellite facilities, including Tulare, Wolfskill, and other locations; electrical improvements for capacity, safety, and reliability, including providing physical protection at the base of dual PG&E feeds at I-80; central plant improvements for capacity, reliability, and regulatory requirements; sanitary sewer improvements; and road, path, and other physical connectivity improvements.
 - Prioritize projects with the highest value for maintaining and improving the campus's infrastructure.

Laboratory for Energy-related Health Research (LEHR) Remediation

- Fund source(s): External Financing
- Budget: \$20 million
- NA ASF / NA GSF
- Project Objective Categories: Infrastructure
- Project would:
 - Address a required component of ongoing efforts to mitigate environmental impacts from the old campus landfills and associated waste units on the south campus.
 - Respond to the United States Environmental Protection Agency (EPA) placement of 25 acres on the south campus on the National Priorities List as a Superfund Site. The University is bound under Federal Administrative Order on Consent to clean up the Site in accordance with the requirements of state and federal laws and regulations. Project may require relocation of existing uses on remediation site.
 - Complete EPA-selected "Alternative #6" for addressing solid waste and groundwater remediation.

Library Renovations

- Fund source(s): Gift Funds
- Budget: \$50 million
- 46,500 ASF / 66,500 GSF
- Project Objective Categories: Aging Plant, Other Activity Space
- Project would:

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Capital Need with Funding Identified

- Renovate outdated University Library space to meet modern student and faculty needs.
- Integrate information resources and services to align with the library of the 21st Century.
- Increase collaboration and meeting space.
- Provide incremental improvements to spaces based on funding availability; projects may also address all needs in only a portion of the facility or the most critical needs throughout the building.
- Be supported by a development campaign; however, the campus may deploy resources to develop momentum.

Solano Water Treatment Plant

- Fund source(s): External Financing
- Budget: \$40 million
- NA ASF / NA GSF
- Project Objective Categories: Infrastructure
- Project would:
 - Construct a water treatment plant and all associated equipment and support structures.
 - Increase the use of surface water to improve quality and minimize risks of curtailment and associated costs.
 - Improve water treatment to comply with regulatory requirements.
 - Increase the capacity and quality of domestic water to help meet ongoing and projected demands.

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Capital Need with Funding Identified

Steam to Hot Water Conversion – Sprocket

- Fund source(s): External Financing
- Budget: \$40 million
- NA ASF / NA GSF
- Project Objective Categories: Aging Plant, Infrastructure
- Project would:
 - Replace a portion of the campus' aging and inefficient campus steam distribution system with a new energy-efficient hot water system.
 - Address the critical campus need to replace aging steam infrastructure and provide the best option based on life cycle cost for providing campus heating needs.
 - Convert the existing steam system to a hot water system for the Sprocket District.
 - Reduce the operational cost for campus heating, including energy consumption and maintenance costs, and reduce greenhouse gas emissions.
 - Move the campus toward aligning with UC 2025 carbon neutrality goals.
 - Deliver additional capacity to serve future capital projects.

Thermal Energy Storage and Heating Recovery Chillers

- Fund source(s): External Financing
- Budget: \$45 million
- NA ASF / NA GSF
- Project Objective Categories: Aging Plant, Infrastructure
- Project would:
 - Reduce the operational cost for campus heating, including energy consumption and maintenance costs, and reduce greenhouse gas emissions.
 - Move the campus toward aligning with UC 2025 carbon neutrality goals.
 - Include new underground piping and a thermal energy heat recovery chiller.

Switch Station S3 Improvements (Formerly Central Campus 12KV Electrical Distribution Improvements)

- Fund source(s): External Financing
- Budget: \$30 million
- NA ASF / NA GSF
- Project Objective Categories: Infrastructure
- Project would:
 - Improve the campus electrical infrastructure system.
 - Improve reliability and redundancy of electrical distribution.

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Capital Need with Funding Identified

Wildlife Teaching Center

- Fund source(s): Gift Funds
- Budget: \$50 million
- 22,100 ASF / 34,000 GSF
- Project Objective Categories: Enrollment, Other Activity Space
- Project would:
 - Support the outreach, research, and teaching goals of the UC Davis Museum of Wildlife and Fish Biology.
 - Be supported by a development campaign.
 - Advance as gifts are available to cover project costs.

Winery Expansion

- Fund source(s): Gift Funds
- Budget: \$25 million
- 11,000 ASF / 17,000 GSF
- Project Objective Categories: Enrollment, Other Activity Space
- Project would:
 - Expand the existing campus winery facilities.
 - Be supported by a development campaign.
 - Support innovation research and sustainable practices.

EDUCATION & GENERAL – HEALTH

Veterinary Medical Center

- Fund source(s): Gift Funds and External Financing
- Budget: \$492,535,000
- TBD ASF / TBD GSF
- Project Objective Categories: Seismic, Aging Plant, Other Activity
- Project would:
 - Deliver the vision for the Veterinary Medical Center (VMC) by constructing replacement and expansion facilities at the Veterinary Medical Center and renewing the existing facility.
 - Provide new equine performance and clinical facilities, livestock medical facilities, small animal care facilities, large animal support facilities, a visioning center, renewal of the existing community practice (CAH), and a renovation of the existing Vet Med Teaching Hospital to be repurposed for related uses.
 - Include necessary utility improvements in the projects to complete the vision.

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Capital Need with Funding Identified

- Be supported by central campus with investment in infrastructure improvements in support of development efforts and improvements in the Health Sciences District, including the previously approved VMC SUP Primary Electrical Feeders.
- Be phased and approved based on availability of gift funds.

Veterinary Medical San Diego Clinic

- Fund source(s): Campus Funds
- Budget: \$30 million
- TBD ASF / 26,000 GSF
- Project Objective Categories: Other Activity
- Project would:
 - Provide a replacement and expansion location for a limited specialty clinic currently operated by the School of Veterinary Medicine in San Diego.
 - Expand specialty services offered by the clinic to expand clinical placements for students and residents and support clinical trials.
 - Include necessary improvements to support clinical functions.

AUXILIARY PROJECTS

Auxiliary Projects < \$10M

- Fund source(s): Auxiliary Reserves and External Financing
- Budget: \$40 million
- NA ASF / NA GSF – Various Projects
- Project Objective Categories: Life Safety, Aging Plant, Infrastructure, Enrollment, Other Activity
- Project would:
 - Include major auxiliary capital projects budgeted at less than \$10,000,000 each.
 - Address various renewal efforts in Student Affairs, including energy efficiency, deferred maintenance, building upgrades, renovations and expansions, space reconfigurations resulting from Division-wide reorganizations, and cost-cutting upgrades.
 - Prioritize projects with the highest value for advancing the mission of Student Affairs, which includes, but is not limited to, the following: window coverings, fire panels and sprinkler heads improvements, access/security upgrades, chiller pump and piping installation, flooring repairs and replacements, AV and IT upgrades, signage improvements, bike storage enhancements, restroom upgrades, lighting replacements, and demolition projects.
 - Implement major gift-driven initiative targets established by Intercollegiate Athletics.
 - Address the objectives of donor-development programs.

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Capital Need with Funding Identified

Student Affairs Program Support Facility

- Fund source(s): University Reserves and External Financing
- Budget: \$45 million
- TBD ASF / TBD GSF
- Project Objective Categories: Life Safety, Aging Plant, Enrollment, Other Activity
- Project would:
 - Address needs for space to accommodate key emerging areas of Student Affairs programs that would benefit a diverse student body.
 - Provide additional space in the campus core to support programs centered on student support and student needs.