

21. 2021-22 CONSTRUCTION PROJECTS

CONSTRUCTION PROJECTS

PROJECT OVERVIEW FY 2021-22

Project	Proje	ct Costs	Construction Costs		GSF	#	BOT AMEND	BOT SCHEM ATIC	Const. Start	Complete
HORNET STADIUM PRESS BOX	\$	9,123,000	\$	7,500,000	N/A	N/A	N/A	N/A	Nov-21	Dec-22
ELEVATOR REPLACEMENT PHASE 1	\$	1,766,000	\$	1,600,000	N/A	N/A	N/A	N/A	Jul-20	Sep-23
ELEVATOR REPLACEMENT PHASE 2	\$	1,500,000	\$	1,300,000	N/A	N/A	N/A	N/A	Jul-22	Aug-24
STORM DRAIN REPLACEMENT PHASE 2	\$	915,000	\$	684,000	N/A	N/A	N/A	N/A	May-23	Aug-23
RESTROOM REPAIR	\$	700,000	\$	405,000	N/A	N/A	N/A	N/A	May-22	Jan-23
SIDEWALK REPAIR	\$	2,200,000	\$	1,900,000	N/A	N/A	N/A	N/A	Jan-22	Jan-23
ENERGY EFFICIENCY PROJECTS	\$	7,000,000	\$	5,600,000	N/A	N/A	N/A	N/A	Dec-22	Sep-23
SOLAR PV INSTALLATION	\$	6,894,450	\$	5,987,000	N/A	N/A	N/A	N/A	Dec-20	Dec-23
STORM WATER RENOVATIONS	\$	2,225,000	\$	1,499,831	N/A	N/A	N/A	N/A	Jun-21	Nov-21
ROOF REPLACEMENT PHASE 1	\$	2,053,000	\$	1,600,000	N/A	N/A	N/A	N/A	Nov-20	Sep-23
ROOF REPLACEMENT PHASE 2	\$	1,346,000	\$	1,087,000	N/A	N/A	N/A	N/A	Jun-23	Oct-23
CAMPUS-WIDE ADA UPGRADES	\$	3,370,000	\$	3,288,000	N/A	N/A	N/A	N/A	Jan-20	Mar-23
CAMPUS-WIDE FIRE LIFE SAFETY CORRECTIONS	\$	1,000,000	\$	800,000	N/A	N/A	N/A	N/A	Feb-21	May-23
FIRE LIFE SAFETY SYSTEM REPAIR	\$	1,150,000	\$	920,000	N/A	N/A	N/A	N/A	May-23	Aug-23
GYMNASTIC TRAINING CENTER (OFF CAMPUS)	\$	2,482,000	\$	2,000,000	N/A	N/A	N/A	N/A	Jan-23	Jul-23
EUREKA HALL HVAC	\$	2,800,000	\$	2,200,000	N/A	N/A	N/A	N/A	Aug-22	Dec-22
NINE TEN PLACE FACULTY AND STAFF HOUSING	\$	17,030,000	\$	16,000,000	N/A	N/A	N/A	N/A	Sep-22	Jul-24
ART SCULPTURE LAB RENOVATIONS	\$	17,282,000	\$	13,500,000	12021	N/A	N/A	N/A	May-23	Jul-24
	\$	80,836,450								

CONSTRUCTION PROJECTS

DESCRIPTIONS FY 2021-22

Project Name	Description
NINE TEN PLACE FACULTY AND STAFF HOUSING	Construction of a 29,591 GSF multi-resident apartment building to serve as faculty and staff housing. The building will include 30 new apartments and approximately 50 on-site parking spaces.
ART SCULPTURE LAB RENOVATIONS	This project will replace the Art Sculpture building with a new building adjacent to the current one. It will be a 20,000 GSF site-built building and the current building will be demolished and replaced with parking.

Category Summary	2023/24	2024/25	2025/26	2026/27	2027/28
Existing Facilities/Infrastructure A. Critical Infrastructure Deficiencies	57,870	82,727	82,727	82,727	82,727
B. Modernization/Renovation	162,106	169,111	546,830	378,033	297,371
II. Growth/New Facilities	67,055	248,437			
Totals \$2,257,721	\$287,031	\$500,275	\$629,557	\$460,760	\$380,098

FTE Existing Facilities/Infrastructure	92	83		
FTE New Facilities/Infrastructure				
FTE Totals* 175	92	83		

Student Housing Beds	285		
Parking Spaces			
Faculty/Staff Housing Units			

Fund Summary	2023/24	2024/25	2025/26	2026/27	2027/28
DESIGNATED CAMPUS IMPROVEMENTS (Campus-I) DESIGNATED CAMPUS MAINTENANCE (Campus-M) TOTAL RETURN PORTFOLIO (TRP)	13,185	16,166	54,682	37,803	29,736
DEFERRED MAINTENANCE - State (DM)	45,656	82,727	82,727	82,727	82,727
STATE FUNDING General Obligation Bond and Public Works Board Revenue Bond (S) One-Time State Funding (OTS) Student Housing Grants (ASH) CSU RESERVES (CSU)	41,340				
SELF-SUPPORT RESERVES Associated Students Incorporated (ASI) Auxiliary/Foundation (Aux) Continuing Education (CE) Faculty/Staff Housing (FH) Health Center (HIth) Parking (Pkg) Student Housing (SH)		248,437			
SYSTEMWIDE REVENUE BONDS Academic Program (SRB-AP) Self-Support (SRB-SS)	161,135 25,715	152,945	492,148	340,230	267,635
OTHER Donor (Don) Energy/Power Purchase Agreements (Eng) Grants (Gra) Public-Private/Public Partnership (PPP)					
Totals \$2,257,721	\$287,031	\$500,275	\$629,557	\$460,760	\$380,098

FTE capacity will be counted in the year in which "C" appears. *Includes FTE showing in Self-Support/Other Projects.

Sacramento Five-Year Plan (Dollars in 000's)

Critical Facilities Renewal

Project	FTE	CAT	Funds	202:	2/24	202	4/25	202	5126	202	6/27	202	7/28	GHG ¹
Air Handler Replacements, Ph. 2	N/A	IA	DM	PWC	3,704	202	4/23	202.	3/20	202	.0/2/	202	1120	0110
Roofs Replacement, Ph. 4	N/A	IA	DM	PWC	1,936									
HVAC Controls Replacement, Ph. 1	N/A	IA	DM	PWC	3,322									
Hornet Stadium Bleacher Repairs	N/A	IA	DM	PWC	5,552									
Fire Alarm Replacements, Ph. 5	N/A	IA	DM	PWC	982									
HVAC Equipment Replacement	N/A	IA	DM	PWC	2,475									
Fire/Life Safety Repairs	N/A	IA	DM	PWC	897									
Elevators Replacement, Ph. 4	N/A	IA	DM	PWC	1,953									
Fume Hood Replacements	N/A	IA	DM	PWC	3,197									
Air Handler Replacements, Ph. 3	N/A	IA	DM	PWC	1,808									
Exterior Wall Repairs	N/A	IA	DM	PWC	2,880									
Plumbing Replacements, Ph. 1	N/A	IA	DM	PWC	2,279									
Electrical Equipment Replacement, Ph. 2	N/A	IA	DM	PWC	2,488									
Interior Renovation, Ph. 1	N/A	IA	DM	PWC	3,451									
Pathway Repairs	N/A	IA	DM	PWC	1,638									
Air Handler Replacements, Ph. 4	N/A	IA	DM	PWC	4,276									
Laboratory Casework Replacement, Ph. 1	N/A	IA	DM	PWC	2,818									
Deferred Maintenance and Critical Infrastructure	N/A	IA	DM			PWC	82,727	PWC	82,727	PWC	82,727	PWC	82,727	
Totals \$376,564	0				\$45,656		\$82,727		\$82,727		\$82,727		\$82,727	0

Capital and Infrastructure Improvements

Project	FTE	CAT	Funds	2023/24	2024/25	2025/26	2026/27	2027/28	GHG ¹
ADA Upgrades	N/A	IA	SRB-AP	PWC 2,6	82				
All Gender Restrooms/Mothers Rooms	N/A	IB	SRB-AP	PWC 1,2	00				
Sequoia Hall Improvements, Ph. 1A	N/A	IA	SRB-AP	PWC 6,6	B2				
Fire/Life Safety Upgrades	N/A	IA	SRB-AP	PWC 2,8	50				
Totals \$13,414	0			\$13,4	14 \$0	\$0	\$0	\$0	0

Academic Projects

Academic Projects		1												
Project	FTE	CAT	Funds	2023/24		202	4/25	202	25/26	20:	26/27	20	27/28	GHG ¹
Engineering Replacement Building	92	IB	Campus-I SRB-AP	PW 13,18 WCE 147,72										-207
Education Building	83	IB	Campus-I SRB-AP		F	PWE C	12,447 119,470							143
Folsom 2nd and 3rd Floor Improvements	TBD	IB	Campus-I SRB-AP			PWc CE	3,719 33,475							-39
Eureka Hall Renovation	TBD	ΙB	Campus-I SRB-AP					PWc CE	6,802 61,225					-84
Infrastructure Improvements and Building Heating Electrification	N/A	ΙB	Campus-I SRB-AP					PWc CE	25,694 231,246					- 2070
Library Renovation	N/A	IB	Campus-I SRB-AP					PWc CE	22,186 199,677					-111
Amador Hall Renovation	TBD	ΙB	Campus-I SRB-AP							PWc CE	7,793 70,135			-131
Performing Arts Center	TBD	ΙB	Campus-I SRB-AP							PWc CE	9,336 84,024			-18
Yosemite Hall Replacement	N/A	IB	Campus-I SRB-AP							PWc CE	20,674 186,071			-130
Tahoe Hall Renovation	TBD	IB	Campus-I SRB-AP									PWc CE	8,991 80,919	- 75
Administration Replacement Building	N/A	IB	Campus-I SRB-AP									PWc CE	12,757 114,822	130
Hornet Stadium Renovations	N/A	ΙB	Campus-I SRB-AP									PWc CE	7,988 71,894	
Totals \$1,552,251	175			\$160,90)6		\$169,111		\$546,830		\$378,033		\$297,371	-2592

Self-Support / Other Projects

een eapport? ealer r rejects											
Project	Spaces	САТ	Funds	2023/24		2024/25		2025/26	2026/27	2027/28	GHG ¹
ASH Student Housing, Ph. 3 ²	285	=	ASH	PWC	41,340						257
			SRB-SS	CE	25,715						
Student Union Expansion, Ph. 2	N/A	II	Aux			PWCE	48,970				68
Event Center	N/A	Ш	Aux			PWCE	199,467				425
Totals \$315,492					\$67,055		\$248,437	\$0	\$0	\$0	750

Greenhouse Gas Emissions (Metric Tons of CO ₂)	Current GHG	2023/24	2024/25	2025/26	2026/27	2027/28	Change
Net Change Due to Projects	17,287	50	597	-2,265	-279	55	-1,842
Greenhouse Gas Emissions with Net Changes		17 337	17 934	15 669	15 390	15 445	

2020 Goal 17,528 2040 Goal 3,506

A = Acquisition P = Preliminary Plans W = Working Drawings c = Partial Construction C = Construction E = Equipment S = Study Category and Fund codes: Reference the Project Category and Fund Types section in The Basis of the Capital Outlay Program.

¹ Greenhouse Gas Emissions

² ASH projects will be submitted for consideration for funding as part of the 2023/2024 Higher Education Student Housing Grant Program and are subject to review by Financing and Treasury prior to final approval.

Sacramento – Description of the Five-Year Plan

Projects in Budget Year

Critical Facilities Renewal

\$45,656,000

This program will address the campus's highest priority deficiencies in deferred maintenance and building systems renewal. Projects included in this program are multi-phased air handler, roof, and HVAC replacements. Additional projects include Hornet Stadium bleacher repairs, fire alarm replacements, HVAC equipment replacement, fire/life safety repairs, elevator and fume hood replacements, exterior wall repairs, plumbing replacements, electrical replacements, interior renovations, pathway repairs, and laboratory casework replacements.

Capital and Infrastructure Improvements

\$13,414,000

This program will address the campus's priorities in infrastructure, capital improvements, and modernizations. Projects included in this program are accessibility upgrades, restroom and lactation room improvements, Sequoia Hall improvements, and fire/life safety upgrades.

Academic Projects

Engineering Replacement Building

PWCE \$160.906.000

This project will construct an Engineering replacement building (#105) (68,000 ASF/101,000 GSF) to replace Santa Clara Hall (#14) (46,383 ASF/66,391 GSF), the existing engineering laboratory building which was constructed in 1960 and has never been renovated. Santa Clara Hall building systems have exceeded their useful life, and the building currently has a 10-year recurring and non-recurring renewal need in excess of \$20 million. This project will construct up-to-date teaching labs, research labs, faculty offices, and instructional support space for the College of Engineering and Computer Science, which will allow students to have access to the latest resources and achieve the college's overall goal to procure career-ready graduates. In addition, this project will address the space needs in instructional and instructional support space, graduate research space, and faculty office for engineering and computer science. The new replacement building will provide 151 FTE (36 FTE in lower division laboratory, 115 FTE in upper division laboratory) and 27 faculty offices. The net increase is 92 FTE (26 FTE in lower division laboratory, 66 FTE in upper division laboratory) and 27 faculty offices.

Self-Support / Other Projects

Affordable Student Housing (ASH) Student Housing, Phase 3

PWCE \$67,055,000

This project will construct a 63,356 ASF/97,500 GSF 285-bed affordable student housing facility to provide much needed affordable student housing at Sacramento State, where 67 percent of the campus' student population are low-income students. This project will provide equal access to on-campus housing and assist low-income and diverse student populations in achieving their academic and career success. Proceeding with this project is dependent upon the approval of the legislature and of the project's financial plan by the Chancellor's Office Financing and Treasury, a viable financial plan, and qualification for placement in the Systemwide Revenue Bond Program.

Future Projects (2024/25–2027/28)

Critical Facilities Renewal

This program will address the campus's highest priority deficiencies in deferred maintenance and building systems renewal. Projects in this program will be determined later.

Capital and Infrastructure Improvements

This program will address the campus's priorities in infrastructure, capital improvements, and modernizations. Projects in this program will be determined later.

Sacramento – Description of the Five-Year Plan

Future Projects (2024/25–2027/28) (continued)

Academic Projects

Education Building

This project will construct a 63,358 ASF/101,475 GSF new facility for the College of Education. The new facility will provide adequate teaching and research labs, classrooms, and offices. In addition, this project will consolidate all programs in the College of Education in one building to improve student and faculty collaboration and interaction. The project will include 83 FTES in teaching laboratory and 65 faculty offices.

Folsom 2nd and 3rd Floor Improvements

This project will renovate 54,000 ASF/ 86,000 GSF on the third floor and part of the second floor of Folsom Hall (#65) to provide classrooms, teaching labs, and 113 faculty offices. The HVAC system, lighting, and ceiling will be replaced. New HVAC control systems and new telecom rooms will be added. This project will also improve the existing stairways, correct deficiencies in ADA, and bring the building update to the current code requirements.

Eureka Hall Renovation

This project will renovate Eureka Hall (#38) 37,549 ASF/59,488 GSF four-story classroom, lab, and office building for the College of the Social Sciences and Interdisciplinary Studies. The current building is in poor condition and a total renovation is recommended to address fire/life safety, HVAC, accessibility, electrical, plumbing, and code deficiencies.

Infrastructure Improvements and Building Heating Electrification

This project will upgrade multiple utility infrastructures across campus, including extending/relocating utility lines, upsizing pipes, upgrading TES capacity, control systems, and electrical and telecom systems. This project will also complete phase 1 to phase 3 heating electrification in several buildings to reduce GHG emissions as laid out in the campus Strategic Energy Plan.

Library Renovation

This project will renovate the 148,800 ASF/211,800 GSF first phase of the existing library (#40), which was built in 1973. The project will improve library function and efficiency by reorganizing existing space and adding new space to support a functional operation that accommodates the 21st century teaching and learning. HVAC and electrical systems will be replaced and upgraded. Exterior panel system will be replaced. A sky-lit atrium and a new orientation center will be added. The project would provide more student study and group study space.

Amador Hall Renovation

This project will renovate Amador Hall (#39) to allow its use as a Library Annex during the Library renovation. The project includes remodel of areas vacated by the Social Sciences and Interdisciplinary Studies and Geology departments moving to Sequoia Hall and Classroom III. HVAC, plumbing, electrical, and telecommunications infrastructure will be improved and updated as well as refurbishment of building finishes.

Performing Arts Center

This project will construct a 39,000 ASF/57,600 GSF Performing Arts Center (#30) for the School of Fine Arts to address lab deficits for the theater and dance programs. This new building will provide a 1,300-seat auditorium with support space including a lobby, restrooms, box office, costume/make-up rooms, rehearsal rooms, an acting lab, conference room, stage/set areas, and video recordings, sound, and lighting support. Faculty offices, administrative space, and teaching labs for the art, theater, and dance programs will also be included in the building program. The existing Kadema Hall (#007) and Shasta Hall (#009), which currently house the arts and theater programs, will be demolished due to the poor building conditions.

Yosemite Hall Replacement

This project will replace the existing Yosemite Hall (#15) with a new gymnasium facility. Yosemite Hall (63,521 ASF/82,301 GSF), a single-story physical education building, was built in 1955 and has never been renovated. The building houses offices, interdisciplinary classrooms, a dance studio, two gymnasiums, and locker rooms to support the Kinesiology department, ROTC, Army/Air Force, and the Intercollegiate Athletics Program. The replacement building will be a two-story physical education building with offices, locker rooms, team rooms, an indoor multi-purpose stadium, and teaching labs for Kinesiology.

Sacramento – Description of the Five-Year Plan

Future Projects (2024/25–2027/28) (continued)

Tahoe Hall Renovation

This project will renovate Tahoe Hall (#34) 38,149 ASF/64,764 GSF, a three-story classroom and office building that houses the College of Business. This is a subsequent phase of the Amador Hall Renovation and will address deferred maintenance issues such as HVAC, accessibility, electrical, plumbing, and interior upgrades.

Administration Replacement Building

This project will construct a new administrative building (#3) as a gateway into the campus. The 100,000 GSF new building will be a "one-stop shop" for student services, admissions and outreach, and president's office which would be relocated from Sacramento and Lassen Hall. As a secondary effect, Sacramento Hall will be demolished, and Lassen Hall will be renovated to address deferred maintenance needs.

Hornet Stadium Renovations

This project will renovate the Hornet Stadium (#60) to bring it into compliance with ADA seating requirements and will repair/replace the existing press box. The existing press box has dry rot from exposure to the elements. This project will replace existing wood decking with aluminum decking on the upper level of the stadium including repair/replacement of supporting beams. This project will improve ADA compliant seating in the east bleachers and ADA access to all bleachers. This project will also update telecom and electrical systems to current CSU standards.

Self-Support / Other Projects

Student Union Expansion, Phase 2

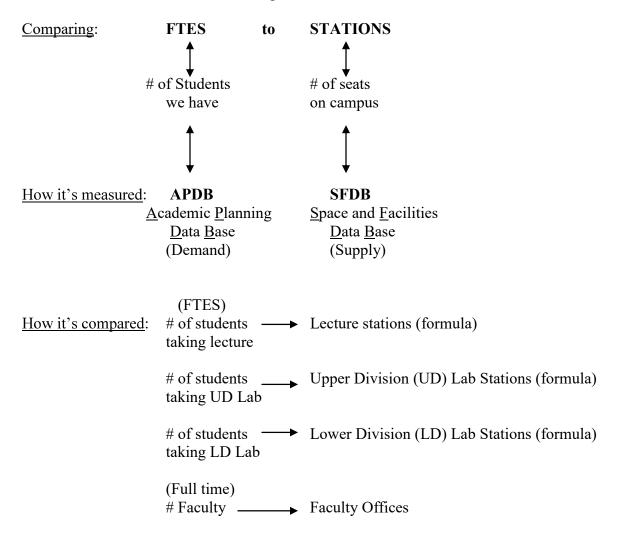
This project will expand the existing 1975 Student Union (#47) to accommodate an additional 2,000-seat ballroom and meeting rooms to support the student life and campus growth. The 26,500 ASF/36,700 GSF Student Union addition will be equipped with current technology and plenty of daylighting. Proceeding with this project is dependent upon a viable financial plan for placement in the Systemwide Revenue Bond Program. The bonds will be repaid from University Union fees.

Event Center

This project will include the construction of a 5,000-seat event center (#111) located north of Parking Structure III. It will primarily serve for basketball and other indoor athletic and club sports events. It will also provide space for educational or career-related sessions, ceremonies, community lectures, special events, and entertainment. Campus and regional event space is limited. This project will allow the campus to attract events that might otherwise bypass the campus or the region entirely. This new facility would draw more spectators and sponsorship interest to support campus athletics program.

State Funded Buildings:

Dollars Received = Function of FTES growth



If FTES > STATIONS then it increases the campus' chance to receive funds (the higher the FTES to STATIONS, the better)

If FTES < STATIONS then it decreases the campus' chance to receive funds

General Observations of Chancellor's Office Prioritization of State Funded Projects:

- 1. Safety (e.g. Seismic retrofits) not under campus' control
- 2. Projects uncompleted funding in phases
- 3. Instructional needs (FTES > STATIONS, demand > supply)
- 4. Renovations are generally favored over new construction
- 5. Project costs (lower cost projects have greater chance of funding over higher cost projects)

Nonstate Funded Capital Projects

The funds required to plan, construct, and operate new nonstate funded facilities are provided by mandatory fees, user charges, gifts and bonds issued by the trustees or auxiliary organizations. The state typically provides land for these projects and may provide utilities to the site. Nonstate funded projects include parking lots and structures, student housing, student unions, health centers, stadiums, food service buildings, bookstores, and other facilities that help meet educational goals established by the Board of Trustees. Planning guidelines require financial plans and market studies, when applicable, to establish the operational viability of proposed nonstate funded capital outlay projects.¹

CSU SYSTEMWIDE REVENUE BOND (SRB) PROGRAM REQUIREMENTS

CAMPUSWIDE DEBT COVERAGE REQUIREMENT = >1.35 (Established CSU fees. For Enterprise units such as Parking, Housing, Student Health Center.)

- New Project of a Campus Debt Program = > 1.00, with Campus Debt Coverage Requirement = >1.10
- New Campus Stand Alone Project: Project Debt Coverage Requirement = > 1.25

AUXILIARY SRB PROJECTS ("Auxiliary" refers to the University Union, UEI, etc.)

- New SRB Funded Project of a Campus Auxiliary Debt Program = > 1.10, with Auxiliary Program Debt Coverage Requirement = > 1.25
- New Auxiliary Stand Alone Project: Project Debt Coverage Requirement = > 1.25

The debt coverage ratio is the annual net income (revenue less expense) divided by the debt service amount.

^TCSU-Five-Year Capital Improvement Program 2007/08 through 2011/12, Capital Planning, Design and Construction, page 6.

Nonstate Bond Funded Capital Project Flowchart

