

## **AGENDA**

### **JOINT COMMITTEES ON FINANCE AND CAMPUS PLANNING, BUILDINGS AND GROUNDS**

**Meeting: 11:45 a.m., Tuesday, November 15, 2016  
Glenn S. Dumke Auditorium**

**Committee on Finance**

Peter J. Taylor, Chair  
Debra S. Farar, Vice Chair  
Jane W. Carney  
Adam Day  
Jean P. Firstenberg  
Hugo N. Morales  
Lateefah Simon

**Committee on Campus Planning,  
Buildings and Grounds**

Steven G. Stepanek, Chair  
John Nilon, Vice Chair  
Jane W. Carney  
Adam Day  
Thelma Meléndez de Santa Ana  
J. Lawrence Norton  
Peter J. Taylor

**Consent Item**

Approval of Minutes of the Meeting of September 20, 2016

**Discussion Item**

1. Approval of the 2017-2018 Capital Outlay Program, 2017-2018 through 2021-2022 Five-Year Facilities Renewal and Improvement Plan, and Multi-Year Bond Authorization, *Action*

**MINUTES OF THE MEETING OF THE  
JOINT COMMITTEES ON  
FINANCE AND CAMPUS PLANNING, BUILDINGS AND GROUNDS**

**Trustees of the California State University  
Office of the Chancellor  
Glenn S. Dumke Conference Center  
401 Golden Shore  
Long Beach, California**

**September 20, 2016**

**Members Present**

**Committee on Finance**

Peter Taylor, Chair  
Debra S. Farar, Vice Chair  
Jane W. Carney  
Adam Day  
Jean P. Firstenberg  
Hugo N. Morales  
Lateefah Simon

**Committee on Campus Planning,  
Buildings and Grounds**

Steven G. Stepanek, Chair  
John Nilon, Vice Chair  
Jane W. Carney  
Adam Day  
Thelma Meléndez de Santa Ana  
J. Lawrence Norton  
Peter J. Taylor

Rebecca Eisen, Chair of the Board  
Timothy P. White, Chancellor

**Public Comments**

Trustee Steven G. Stepanek called the meeting to order, noting that there were no public speaker requests.

**Consent**

The minutes of the November 12, 2014 meeting were approved by consent as submitted.

**Approval of the Draft 2017-2018 Capital Outlay Program and the Draft 2017-2018 through 2021-2022 Five-Year Facilities Renewal and Capital Improvement Plan**

Trustee Stepanek noted that Attachment A of this item was revised. Mr. Steve Relyea, Executive Vice Chancellor and Chief Financial Officer introduced the item. Assistant Vice Chancellor Elvyra San Juan provided background information on enrollment and campus facility capacity. Assistant Vice Chancellor Robert Eaton outlined the benefits of moving to a multi-year capital financing plan funded with \$352 million already appropriated by state for General Obligation bonds and State Public Works Board bonds. The highest funding priorities for the capital program include facility renewal, and renovations or building replacements to address programmatic needs.

Trustee Peter Taylor inquired about the private entities that will be partnering with CSU on solar projects. Ms. San Juan responded she expects two to three private firms to respond to the requests for proposal issued for the system for solar power purchase agreements. Trustee Taylor cautioned that expenses could be costly and should not be significantly more than what is currently being spent on utilities.

In response to Trustee Adam Day's question Ms. San Juan clarified that at this meeting the board is asked to approve the draft Capital Outlay Program as well as the draft Five-Year Facilities Renewal and Capital Improvement Plan to allow for distribution to Sacramento; the final program and plan will be presented for approval by the board in November. Mr. Eaton added that approval of the multi-year financing plan is not being requested at this meeting but will be requested during the November meeting.

Trustee Day asked for detail on the \$204 million for solar initiatives, requesting its breakdown by campus and projected savings.

Trustee Jane Carney asked how much of the backlog this will address. Ms. San Juan responded that it would be approximately \$530 million of an estimated \$1 billion.

The committee recommended Approval of the Draft 2017-2018 Capital Outlay Program and the Draft 2017-2018 through 2021-2022 Five-Year Facilities Renewal and Capital Improvement Plan (RFIN/CPBG 09-16-01).

Trustee Stepanek adjourned the meeting of the Joint Committees on Finance and Campus Planning, Buildings and Grounds.

**JOINT COMMITTEES ON  
FINANCE AND CAMPUS PLANNING, BUILDINGS AND GROUNDS**

**Approval of the 2017-2018 Capital Outlay Program, 2017-2018 through 2021-2022  
Five-Year Facilities Renewal and Improvement Plan, and Multi-Year Bond Authorization**

**Presentation By**

Elvyra F. San Juan  
Assistant Vice Chancellor  
Capital Planning, Design and Construction

Robert Eaton  
Assistant Vice Chancellor  
Financing, Treasury and Risk Management

**Background and Summary**

The purpose of this item is to present campus capital renewal and improvement priorities and propose a multi-year funding and financing authorization for a portion of the projects. The intent of the multi-year financing approach is to increase campus certainty of funding by utilizing a portion of available funds appropriated to the California State University for annual debt service payments for General Obligation and Lease Revenue Bonds. By increasing funding certainty, campuses will be able to improve project planning efforts, co-fund projects and make good use of the limited operating funds.

This item seeks CSU Board of Trustees approval of the following:

- 2017-2018 Capital Outlay Program
- 2017-2018 through 2021-2022 Five-Year Facilities Renewal and Capital Improvement Plan (the “Five-Year Plan”), and
- Authorize the issuance of long term Systemwide Revenue Bonds (SRB) financing and related debt instruments, including shorter term and variable rate debt, floating and fixed rate loans placed directly with banks, and bond anticipation notes (BANs) to support interim financing under the commercial paper (CP) program, in an aggregate amount not-to-exceed \$1,000,000,000 to finance academic projects. The board is being asked to approve resolutions related to this financing request. Long-term bonds will be part of future SRB sales over a multi-year period.

The Draft Five-Year Plan was presented in September for approval and the final plan incorporates changes that reflect subsequent discussions with campus personnel.

This is the first year that state and CSU support budget funded deferred maintenance and energy efficiency cap and trade projects have been incorporated into the Five-Year Plan, including planned campus reserve expenditures to address the backlog of deferred maintenance and capital renewal needs. The format will continue to evolve in the years ahead as staff improves data collection and project reporting, while working to ensure the report is meaningful and holistic in its view of all facilities on campus. We will assess the continued inclusion of the cap and trade program projects as the Governor's Budget Proposal to provide CSU cap and trade funding the last two years did not materialize due to lower than expected cap and trade program revenues.

This is also the first year to incorporate greenhouse gas (GHG) emission estimates in the Five-Year Plan and more work is needed to improve GHG estimates for building system renewal, building renovations, replacements, and new construction. The estimates in the plan reflect fairly broad assumptions with the action year projects receiving greater attention. The Five-Year Plan includes the Solar, Phase 4 Initiative which will have the greatest impact to the CSU's reduction of carbon emissions. The solar installations are proposed to be financed by private third parties with the CSU entering into power purchase agreements for the solar power that is generated.

The primary objectives of the capital outlay program are to provide facilities appropriate to the CSU's educational programs, to create environments conducive to learning, and to ensure that the quality and quantity of facilities at each of the 23 campuses serve students. The board approved the Categories and Criteria for Priority Setting for the Five-Year Facilities Renewal and Capital Improvement Plan (the "Categories and Criteria") at their May 2016 meeting. The Categories and Criteria helped guide the development of the campuses' five-year plans and the proposed academic priority list and self-support summary list. In recent years, the trustees have supported a high percentage of funds to be used to address utility infrastructure deficiencies and building renewal needs to ensure the continued operation of campus facilities and avoid campus shutdowns due to failed utility systems. Utility master plans and critical infrastructure assessments were completed for all campuses to help prioritize the allocation of limited funding for campus infrastructure and building systems. These assessments estimate the systemwide critical infrastructure needs total to be roughly \$700 million.

The legislature's support in 2015-2016 to increase the CSU budget by \$97 million above the Governor's Budget proposal fulfilled the trustees' plan to leverage \$25 million of those funds to finance about \$400 million in projects to address critical infrastructure needs and replacement buildings to improve the quality of science, arts, and faculty office space at the Sacramento, San Francisco, San Diego and Bakersfield campuses. The board approved the financing of the 2015-2016 capital program in November 2015 and short term project financing is being used for ongoing project implementation until the next anticipated SRB sale in early 2017.

In years when support budget funding is available, such as 2015-2016, changes in the capital priority list will be more noticeable, whereas the lack or shortage of support budget funding will result in a campus repeating their priority request for funding from year to year. As there was not a base budget increase in 2016-2017 for capital funding financing, many of the projects on the 2017-2018 priority list were also on the 2016-2017 list.

### **2017-2018 through 2021-22 Five-Year Facilities Renewal and Capital Improvement Plan**

The Five-Year Plan identifies the campuses' capital project priorities to address facility deficiencies and accommodate student enrollment growth. Campuses have identified a five-year need of over \$7.4 billion for academic facilities and over \$5.1 billion for self-support. The plan can be viewed at: [http://www.calstate.edu/cpdc/Facilities\\_Planning/majorcapoutlayprogram.shtml](http://www.calstate.edu/cpdc/Facilities_Planning/majorcapoutlayprogram.shtml).

For each campus the plan includes:

- Campus history
- Campus master plan map and building legend (including off-campus centers)
- Current Five-Year Plan
- Previous Five-Year Plan

Systemwide information includes:

- Campus summaries of State/CSU funding, and self-support funding
- Chart and graph of campus housing and parking capacity and planned projects
- Seismic Safety Action Plan (10-year span)
- Summary of Greenhouse Gas Emissions
- Summary of Renewal Backlog and Annual Renewal Need for Academic Facilities and Infrastructure.

The Board of Trustees' 1992 Seismic Policy resulted in the creation of the CSU Seismic Review Board. The Seismic Review Board reviews CSU facilities and develops seismic priority lists 1 and 2 of facilities needing structural reinforcement. Capital funds are used to repair and improve structures, and such projects receive priority consideration in funding recommendations to the board. The Five-Year Plan includes campus project requests for another \$726 million to strengthen an additional 16 facilities at nine campuses.

The summary of renewal backlog and annual renewal need for academic facilities and infrastructure is from the lifecycle model the CSU uses to estimate the annual average funding needed to replace systems that have passed their useful life. The model is updated annually and estimates the current deferred renewal backlog for academic facilities at \$2.0 billion, excluding funded projects that are currently in design or construction. The summary adds the Critical Infrastructure Needs from the Utility Master Plans, to total \$2.7 billion in renewal backlog. On average, the lifecycle model estimates \$143 million is needed annually to keep up with the renewal

needs of our continually aging facilities. In addition to the \$143 million, \$109 million is needed annually to reduce the \$2.6 billion backlog (a total of \$309 million). The renewal model does not include funds needed to improve the facilities to address changes in building code, seismic strengthening, or other programmatic upgrades to serve the academic program. These programmatic improvements and renewal needs would require an additional amount of roughly \$100 million to total an annual funding need of approximately \$400 million of capital reinvestment.

Because the lifecycle model does not include the renewal or deferred maintenance needs of self-support facilities, initial discussions are underway with the campuses to improve data for these facilities. Similar to the programming for academic facilities, the plan is to assess the existing self-support capital renewal needs and report campus funding plans to renew, renovate or replace facilities as they age.

The main focus of the Five-Year Plan is to identify the action year projects and whether multiple fund sources are needed to complete the projects. Staff will continue to work with campuses to better present the deferred maintenance needs and project plans to use designated reserves of both CSU supported and self-supported entities to ensure the continued operation of all campus facilities.

In addition, based on feedback from campuses on the Draft Five-Year Plan, the two statewide programs of Infrastructure Improvements and Minor Capital Outlay have been combined to provide greater campus flexibility. Therefore, the Infrastructure Improvements program will be defined to include building system renewal and improvements such as laboratory renovations and accessibility enhancements.

### **2017-2018 Capital Outlay Program**

Page one of attachment A includes the 2017-2018 priority list of academic projects and page two includes the list of self-support projects. Since the September 2016 Board of Trustees meeting, changes have been made to project scope, budget, and schedule, resulting in an increase in the action year funding request for academic projects and a decrease in the funding amount for self-support projects. The academic priority list for 2017-2018 totals \$1.85 billion, and the self-support list totals \$131 million, for a total \$1.98 billion.

The list of self-support projects for 2017-2018 was significantly reduced since the September draft list. The projects have typically been pushed out to 2018-2019 as campus financial plans are still in development. These projects are likely to come forward to the board as amendments to the capital program on an individual project basis or return for consideration in 2018-2019.

The recommended 2017-2018 priority list aims to balance the academic needs of:

- Correcting infrastructure deficiencies
- Renovating or replacing existing facilities, and
- Constructing new classrooms, labs, faculty offices or instructional support space (library/learning commons, performance space, student services areas) to accommodate growth in student enrollment.

The prioritization of academic projects for the trustees' approval uses the criteria established by the board by proposing correction of critical infrastructure as the top priority, while advancing the replacements and renewal of existing science and technology facilities, and re-envisioning existing library spaces as collaborative learning spaces to support group study, provide access to technology, and promote faculty development. The primary growth project is proposed for CSU Monterey Bay. The priority list also identifies those projects that include a seismic strengthening component and are on one of the CSU seismic priority lists, denoted by the inclusion of “(Seismic)” as part of the project title. Attachment B identifies the projects included in the newly redefined statewide Infrastructure Improvements program.

To inform the recommended prioritization of academic projects, a number of reports are used to help staff weigh the relative need of a project:

- Summary of Campus Capacity – compares projected full-time equivalent (FTE) enrollment to FTE seat capacity to quantify lecture, lab, and faculty office needs
- Laboratory Enrollment versus Laboratory Capacity – quantifies enrollment by discipline
- Utilization Report – provides classroom and laboratory use by room size

These reports compare projected enrollment to available space using legislative or CSU standards. Campuses also submit a project justification, feasibility study, and other back-up material that are used to help assess relative need and try to balance the needs of the system.

### **Academic Projects Multi-Year Bond Authorization**

The capital outlay program continues to transform as a result of the enactment of the 2014-2015 statute granting the CSU greater authority to utilize operating funds and other revenue sources to finance deferred maintenance and capital outlay projects. In order to provide campuses greater certainty in project funding, a multi-year financing approach is proposed for the board's consideration. The 2017-2018 Capital Program Priority List (Attachment A) shows the proposed priority list for academic projects and the self-support projects that have received approval on their financial plan.

This item requests the board to authorize the issuance of long term SRB financing, related debt instruments, and the issuance of BANs to support interim financing under the CP program in an aggregate amount not-to-exceed \$1,000,000,000 to fund a number of the projects shown in Attachment A. Utilizing existing \$352 million in resources that have been committed for capital



purposes, including funds appropriated by the state to pay the debt service on General Obligation and State Public Works Board Lease Revenue Bonds (which is in excess of debt service on those bonds and the restructured State Public Works Board debt service), and funds that were allocated by the board in the 2014-2015 and 2015-2016 budgets, the plan commits \$50 million per annum to meet the annual principal and interest payments on the additional debt. The final amount of debt to be issued will be determined based upon interest rates at the time long term bonds are sold and will be set at an amount so that the annual maximum debt service over the life of the debt issued under this plan will not exceed \$50 million. Based on the most recent debt service figures provided by the Department of Finance, in some years the excess available for the additional debt service may be less than \$50 million, which may result in a need to carry forward balances from prior years.

Financing of the self-support capital projects will continue to come forward to the board on an individual basis, and no changes are proposed at this time.

### **Recommendation**

The following resolutions are presented for approval:

**RESOLVED**, By the Board of Trustees of the California State University, that:

1. The 2017-2018 through 2021-2022 Academic and Self-Support Funded Five-Year Capital Improvement Plan totaling \$7,431,899,000 and \$5,119,268,000, respectively, are approved.
2. The 2017-2018 Academic Capital Outlay Program included in the five-year program distributed with the agenda is approved at \$1,849,128,000.
3. The 2017-2018 Self-Support Funded Capital Outlay Program included in the five-year program is approved at \$131,307,000.
4. The chancellor is authorized to proceed in 2016-2017 with design and construction to fast-track projects in the 2017-2018 program.
5. The chancellor is requested to explore all reasonable funding methods available and communicate to the board, the governor, and the legislature the need to provide funds to develop the facilities necessary to serve the academic program and all eligible students.
6. The chancellor, in consultation with the Chair of the Board and the Chairs of the Committees on Finance and Campus Planning, Buildings and Grounds, is authorized to make adjustments for significant changes to the 2017-2018 Capital Outlay Program, including the priority sequence, scope, phase, project cost, financing source, and total budget request for the Program.

7. The chancellor is authorized to make adjustments in the projects to be financed as necessary to maximize use of the limited financing resources and consideration of the CSU's priorities for funding capital outlay projects, including reducing the financing amount to less than \$1,000,000,000, as noted in Attachments A and B of this Agenda Item 1 of the November 15-16, 2016, meeting of the Joint Committees on Finance and Campus Planning, Buildings and Grounds.
8. Up to \$50,000,000 per year is committed to meet the annual debt service and direct project expenditures related to funding for a portion of the 2017-2018 through 2021-2022 Five-Year Facilities Renewal and Academic Capital Improvement plan.

**Furthermore,**

Orrick, Herrington & Sutcliffe LLP, as bond counsel, is preparing resolutions to be presented at this meeting that authorize interim and permanent financing for the projects described in this agenda item. The proposed resolutions will be distributed at the meeting and will achieve the following:

1. Authorize the sale and issuance of Systemwide Revenue Bond Anticipation Notes, and/or the related or stand-alone sale and issuance of the Trustees of the California State University Systemwide Revenue Bonds, and/or the issuance of related debt instruments, including shorter term debt, variable rate debt, floating rate loans placed directly with banks, or fixed rate loans placed directly with banks, in an aggregate amount not-to-exceed \$1,000,000,000 and certain actions relating thereto.
2. Provide a delegation to the chancellor; the executive vice chancellor and chief financial officer; the assistant vice chancellor, Financial Services; and the assistant vice chancellor, Financing, Treasury, and Risk Management; and their designees to take any and all necessary actions to execute documents for the sale and issuance of the bond anticipation notes and the revenue bonds.

## 2017-2018 Capital Outlay Program

Cost Estimates are at Engineering News Record California Construction Cost Index 6255 and Equipment Price Index 3298

ACADEMIC PROJECTS PRIORITY LIST										
(Dollars in 000s)										
Priority Order	Category	Campus	Project Title	FTE	Phase	Campus Reserves/ Other Budget	SRB-AP*	Total Budget	Cumulative Total Budget	Cumulative SRB-AP*
1	IA	Statewide	Water Conservation - GO Bonds	N/A	PWC	4,000		4,000	4,000	0
2	IA	Statewide	Infrastructure Improvements ***	N/A	PWC	20,982	509,443	530,425	534,425	509,443
3	IB	Statewide	Solar Energy, Ph. 4	N/A	PWC	204,388		204,388	738,813	509,443
4	IB	Bakersfield	Humanities Building	N/A	E	412		412	739,225	509,443
5	IB	Pomona	Administration Replacement Building	N/A	E	1,380		1,380	740,605	509,443
6	IB	Dominguez Hills	Center for Science and Innovation◊	43	CE	15,036	61,757	76,793	817,398	571,200
7	II	Monterey Bay	Academic Building III	1,500	WCE	1,307	34,864	36,171	853,569	606,064
8	IB	Humboldt	Jenkins Hall Renovation	435	PWCE	1,195	9,524	10,719	864,288	615,588
9	IB	Chico	Siskiyou II Science Replacement (Seismic)	25	PWCE	6,338	76,595	82,933	947,221	692,183
10	IB	San José	Interdisciplinary Science Replacement Building	294	PWCE	8,787	118,731	127,518	1,074,739	810,914
11	IB	Los Angeles	Physical Sciences (Seismic), Ph. 4	N/A	CE	32,755	28,000	60,755	1,135,494	838,914
12	IB	Fullerton	McCarthy Hall Renovation, Ph. 1	0	PWC	8,000	32,000	40,000	1,175,494	870,914
13	IB	Fresno	Central Plant Replacement	N/A	PWCE	3,950	27,887	31,837	1,207,331	898,801
14	IB	Long Beach	Student Success/Peterson Hall 2 Reno (Seismic)	83	CE	2,814	38,208	41,022	1,248,353	937,009
15	IB	Stanislaus	Library Reno/Infrastructure Repairs (Seismic)	42	PWCE	3,141	52,195	55,336	1,303,689	989,204
16	IB	East Bay	Library Renovation (Seismic)	N/A	PWCE	7,235	74,755	81,990	1,385,679	1,063,959
17	IB	Sonoma	Stevenson Hall Renovation	0	PWCE		72,476	72,476	1,458,155	1,136,435
18	II	Maritime	Learning Commons	TBD	PWCE	1,208	26,340	27,548	1,485,703	1,162,775
19	IB	San Luis Obispo	Kennedy Library Renovation	566	PWCE	5,000	50,000	55,000	1,540,703	1,212,775
20	II	Channel Islands	Gateway Hall, Ph. 1	N/A	PWCE	2,811	32,378	35,189	1,575,892	1,245,153
21	II	San Bernardino	Theatre Arts Building	18	PWCE	6,171	60,395	66,566	1,642,458	1,305,548
22	IB	Northridge	Sierra Hall Renovation, Ph. 1	0	PWCE	4,605	52,330	56,935	1,699,393	1,357,878
23	IB	San Diego	Electrical Utilities Upgrade, Ph. 1	N/A	PWC	13,200	11,800	25,000	1,724,393	1,369,678
24	IB	Sacramento	Folsom 3rd Floor Improvements	TBD	PWCE	2,214	16,567	18,781	1,743,174	1,386,245
25	IB	San Diego	Dramatic Arts Renovation	N/A	PWCE	8,300	13,200	21,500	1,764,674	1,399,445
26	II	San Marcos	Applied Sciences and Technology Building	545	PWCE	4,605	27,239	31,844	1,796,518	1,426,684
27	IB	Pomona	Classroom Lab Bldg. Renovation (Seismic)	TBD	PWC	2,367	44,636	47,003	1,843,521	1,471,320
28	IB	San Francisco	Science Replacement Building ◊	TBD	P	5,607		5,607	1,849,128	1,471,320
Total Academic Projects				3,551		\$ 377,808	\$ 1,471,320	\$ 1,849,128	\$ 1,849,128	\$ 1,471,320
SELF-SUPPORT / OTHER PROJECTS LIST										
(Dollars in 000s)										
Alpha Order	Category	Campus	Project Title	Spaces	Phase	Campus Reserves/ Other Budget	SRB-SS**	Total Budget	Cumulative Total Budget	Cumulative SRB-SS**
1	IA	Statewide	Infrastructure Improvements ***	N/A	PWC	4,035	1,904	5,939	5,939	1,904
2	II	Dominguez Hills	Student Housing, Ph. 1	500	PWCE		48,000	48,000	53,939	49,904
3	II	Long Beach	Alumni Center	N/A	PWC	12,000		12,000	65,939	49,904
4	IB	Los Angeles	Parking Structure B Repairs	N/A	PWC	5,300		5,300	71,239	49,904
5	II	San Bernardino	College of Extended Learning Building	N/A	PWCE		50,895	50,895	122,134	100,799
6	IB	San José	North Parking Facility Retrofit/Solar Generation	0	PWC	6,419		6,419	128,553	100,799
7	II	San Luis Obispo	Science/Ag. Teaching and Research Complex	N/A	P	2,286		2,286	130,839	100,799
8	IB	San Luis Obispo	Ornamental Horticulture Greenhouse Replacement	N/A	P	468		468	131,307	100,799
Total Self-Support / Other Projects				500		\$ 30,508	\$ 100,799	\$ 131,307	\$ 131,307	\$ 100,799
Grand Total Academic and Self-Support Projects				4,051		\$ 408,316	\$ 1,572,119	\$ 1,980,435	\$ 1,980,435	\$ 1,572,119

P = Preliminary Plans W = Working Drawings C = Construction E = Equipment

### Categories:

- I Existing Facilities/Infrastructure
  - A. Critical Infrastructure Deficiencies
  - B. Modernization/Renovation
- II New Facilities/Infrastructure

### Notes:

- \* SRB-AP: Systemwide Revenue Bonds - Academic Program
- \*\* SRB-SS: Systemwide Revenue Bonds - Self-Support Program
- \*\*\* The Infrastructure Improvements Program addresses smaller scale utility, building systems renewal and minor upgrades. Projects are listed separately on Attachment B.
- ◊ This project is dependent upon state and non-state funding.

## 2017-2018 Infrastructure Improvements Program Project List

*Cost Estimates are at Engineering News Record California Construction Cost Index 6255 and Equipment Price Index 3298*

### ACADEMIC PROJECTS

Campus	Project Title	Phase	Campus Reserves Budget	SRB-AP Budget	Total Project Budget	Cumulative Total Project Budget
Bakersfield	Lab/Lab Service Modernization/Infrastructure	PWC	132,000	1,654,000	1,786,000	1,786,000
Bakersfield	Natural Gas Line Replacement	PWC		510,000	510,000	2,296,000
Bakersfield	Replace Electrical Distribution, Ph. 2	PWC		1,781,000	1,781,000	4,077,000
Channel Islands	Central Plant Upgrades	PWC		1,121,000	1,121,000	5,198,000
Channel Islands	North Campus Hydronic Loop Extension	PWC	602,000	9,519,000	10,121,000	15,319,000
Channel Islands	South Campus Hydronic Loop Extension	PWC	471,000	7,241,000	7,712,000	23,031,000
Channel Islands	Electrical and Fire Alarm Upgrades	PWC		1,154,000	1,154,000	24,185,000
Channel Islands	ADA Pathway Upgrades	PWC		141,000	141,000	24,326,000
Chico	Meriam Library Waterproofing, Ph. 3	C	150,000	1,350,000	1,500,000	25,826,000
Chico	Electrical Distribution & Switchgear, Ph. 1	P	25,000	475,000	500,000	26,326,000
Chico	North Campus Utilities, Ph. 1	PWc	30,000	600,000	630,000	26,956,000
Chico	Plumas Building Renewal, Ph. 1	PWc	160,000	3,100,000	3,260,000	30,216,000
Chico	EMS System Renewal	PWc	90,000	1,750,000	1,840,000	32,056,000
Chico	Acker & Shurmer Fire/Life Safety, Ph. 1	PWc	125,000	2,375,000	2,500,000	34,556,000
Chico	Acker Gymnasium and Ayres Hall Roof Replacement	PWC		250,000	250,000	34,806,000
Chico	Emergency Generator Communications Network	PWC		87,000	87,000	34,893,000
Chico	Ayres Hall HVAC Upgrades	PWC		245,000	245,000	35,138,000
Chico	O'Connell Technology Center HVAC Upgrades	PWC		75,000	75,000	35,213,000
Chico	Holt Hall Elevator Upgrade	PWC		495,000	495,000	35,708,000
Chico	Accessibility Upgrades, Multiple Buildings	PWC		650,000	650,000	36,358,000
Chico	Emergency Generator, Meriam Library	PWC		145,000	145,000	36,503,000
Chico	Emergency Generator, Butte Hall	PWC		145,000	145,000	36,648,000
Chico	Emergency Generator, Ayres Hall	PWC		125,000	125,000	36,773,000
Chico	Ayres Hall Exterior Upgrades	PWC		152,000	152,000	36,925,000
Chico	Kendall Hall Exterior Upgrades	PWC		207,000	207,000	37,132,000
Chico	Laxson Auditorium Exterior Upgrades	PWC		121,000	121,000	37,253,000
Chico	Trinity Hall Exterior Upgrades	PWC		151,000	151,000	37,404,000
Chico	Acker Gymnasium Exterior Upgrades	PWC		150,000	150,000	37,554,000
Dominguez Hills	Academic Buildings Renewal, DM, Inf. Imp.	PWC	1,200,000	11,800,000	13,000,000	50,554,000
Dominguez Hills	ADA Compliance Upgrades	PWC		1,600,000	1,600,000	52,154,000
East Bay	Electrical Infrastructure Upgrade, Ph.2C	PWC	45,000	2,032,000	2,077,000	54,231,000
Fresno	Underground Utility Improvements	PWC	541,000	4,871,000	5,412,000	59,643,000
Fullerton	Physical Services Complex Renovation/Replacement	PWcC	8,000,000	8,000,000	16,000,000	75,643,000
Fullerton	Visual Arts Complex Life Safety Upgrades	PWCE	738,000	4,262,000	5,000,000	80,643,000
Fullerton	Visual Arts-A & Humanities Soc. Sci. Restrooms ADA	PWC		1,154,000	1,154,000	81,797,000
Humboldt	Gist Hall Teaching Space Renovation	PWC		655,000	655,000	82,452,000
Humboldt	Science D Public and Teaching Space	PWE		656,000	656,000	83,108,000
Humboldt	Campuswide Controls Upgrade	PWC	100,000	901,000	1,001,000	84,109,000
Humboldt	Mill & 17th Street Water/Sewer Infrastructure Retrofit	PWC	19,000	200,000	219,000	84,328,000
Long Beach	Microbiology HVAC Replacement, Ph. 1, 2	PWC	666,000	5,834,000	6,500,000	90,828,000
Long Beach	ADA Barrier Removal and Path of Travel Upgrades	PWC		2,250,000	2,250,000	93,078,000
Long Beach	SSPA Building Storm Water Sump Pump Replacement	PWC	50,000	40,000	90,000	93,168,000
Long Beach	Doors and Hardware Replacement	PWC	37,000	333,000	370,000	93,538,000
Long Beach	Faculty Office 4 Roof Replacement	PWC	30,000	270,000	300,000	93,838,000
Long Beach	Faculty Office 5 Roof Replacement	PWC	39,000	347,000	386,000	94,224,000

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### ACADEMIC PROJECTS

Campus	Project Title	Phase	Campus Reserves Budget	SRB-AP Budget	Total Project Budget	Cumulative Total Project Budget
Los Angeles	Central Plant Chiller Replacement	PWC	211,000	2,506,000	2,717,000	96,941,000
Los Angeles	Campuswide Emergency Lighting Upgrade	PWC		250,000	250,000	97,191,000
Los Angeles	Physical Education HVAC Upgrades	PWC		645,000	645,000	97,836,000
Los Angeles	Salazar Hall 2nd Floor HVAC Upgrades	PWC		650,000	650,000	98,486,000
Los Angeles	Salazar Hall 3rd Floor HVAC Upgrades	PWC		375,000	375,000	98,861,000
Los Angeles	Simpson Tower HVAC Upgrades	PWC		375,000	375,000	99,236,000
Los Angeles	Campuswide Building Entrances ADA Upgrades	PWC		300,000	300,000	99,536,000
Maritime Academy	Ship Boiler Replacement	PWC	48,000	432,000	480,000	100,016,000
Maritime Academy	Domestic Water Pipe Replacement	PWC	66,000	594,000	660,000	100,676,000
Maritime Academy	Faculty Road Repairs	PWC		1,400,000	1,400,000	102,076,000
Maritime Academy	Campuswide Power Metering/Demand Response Capability	PWC		425,000	425,000	102,501,000
Maritime Academy	Student Services Building ADA Ramp	PWC		75,000	75,000	102,576,000
Maritime Academy	Upper Residence Hall ADA Path of Travel	PWC		100,000	100,000	102,676,000
Maritime Academy	Plumbing Upgrades, Multiple Buildings	PWC		30,000	30,000	102,706,000
Maritime Academy	Campuswide Telecom Upgrades	PWC		30,000	30,000	102,736,000
Maritime Academy	Classroom Building ADA Upgrades	PWC		30,000	30,000	102,766,000
Maritime Academy	Student Center ADA Path of Travel Upgrade	PWC		50,000	50,000	102,816,000
Maritime Academy	Administration Building Path of Travel Upgrade	PWC		75,000	75,000	102,891,000
Maritime Academy	Student Services Building Path of Travel Upgrade	PWC		75,000	75,000	102,966,000
Maritime Academy	Physical Plant Building ADA Upgrades	PWC		200,000	200,000	103,166,000
Maritime Academy	Student Center Building Upgrades	PWC		250,000	250,000	103,416,000
Maritime Academy	Mayo Hall Building Upgrades	PWC		500,000	500,000	103,916,000
Maritime Academy	Bodnar Field Restroom ADA Upgrade	PWC		200,000	200,000	104,116,000
Maritime Academy	Bodnar Field Pathway Lighting Upgrade	PWC		200,000	200,000	104,316,000
Maritime Academy	Campuswide Stairway Upgrades	PWC		250,000	250,000	104,566,000
Maritime Academy	Campuswide Pathway Upgrades	PWC		150,000	150,000	104,716,000
Monterey Bay	Demolition, Ph. 3	C		9,580,000	9,580,000	114,296,000
Monterey Bay	Infrastructure Improvements, Ph. 2, 3	PWC	687,000	6,875,000	7,562,000	121,858,000
Monterey Bay	Chilled Water Pipe Extension	PWC		600,000	600,000	122,458,000
Monterey Bay	Parking Lot 208, ADA Upgrade	PWC		400,000	400,000	122,858,000
Monterey Bay	ADA Path of Travel, Ph. 1	PWC		630,000	630,000	123,488,000
Monterey Bay	Electrical Distribution System, Ph. 1	PWC		1,800,000	1,800,000	125,288,000
Monterey Bay	Campuswide Data Room Cooling	PWC		250,000	250,000	125,538,000
Monterey Bay	ADA Path of Travel, Ph. 2	PWC		150,000	150,000	125,688,000
Monterey Bay	ADA Path of Travel, Ph. 3	PWC		200,000	200,000	125,888,000
Monterey Bay	ADA Path of Travel, Ph. 4	PWC		250,000	250,000	126,138,000
Monterey Bay	ADA Path of Travel, Ph. 5	PWC		150,000	150,000	126,288,000
Monterey Bay	Medium Voltage Equipment Upgrades	PWC		150,000	150,000	126,438,000
Northridge	Electrical System Replacement, Ph. 1	WC		1,500,000	1,500,000	127,938,000
Northridge	Heating System Replacement, Ph. 3, 4	PWC	115,000	6,328,000	6,443,000	134,381,000
Northridge	Electrical System Replacement, Ph. 3, 4	PWC	773,000	6,956,000	7,729,000	142,110,000
Pomona	HVAC/Fume Hood Replacement, Bldg. 8	PWC	575,000	5,175,000	5,750,000	147,860,000
Pomona	Sanitary Sewer Upgrades	PWC	200,000	1,800,000	2,000,000	149,860,000
Pomona	Domestic Water Line Upgrades	C		2,354,000	2,354,000	152,214,000
Pomona	Natural Gas Line Upgrades	PWC		2,394,000	2,394,000	154,608,000

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### ACADEMIC PROJECTS

Campus	Project Title	Phase	Campus Reserves Budget	SRB-AP Budget	Total Project Budget	Cumulative Total Project Budget
<b>Sacramento</b>	Fire Alarm System Upgrades, Ph. 2	PWC	306,000	2,017,000	2,323,000	156,931,000
Sacramento	Main Switchgear Replacement, Ph. 1	PWC	290,000	1,973,000	2,263,000	159,194,000
Sacramento	Sewer Relining	PWC	344,000	1,803,000	2,147,000	161,341,000
Sacramento	Campuswide ADA Upgrades	PWC	55,000	706,000	761,000	162,102,000
<b>San Bernardino</b>	Gas-filled Switch Replacement	PWC		345,000	345,000	162,447,000
San Bernardino	Biology Teaching Labs	PWCE	206,000	2,713,000	2,919,000	165,366,000
San Bernardino	Performing Arts Elevator Upgrade	PWC	31,000	290,000	321,000	165,687,000
San Bernardino	Pfau Library Elevators Upgrade	PWC	126,000	1,248,000	1,374,000	167,061,000
San Bernardino	Sierra Hall Roof Replacement	PWC	68,000	472,000	540,000	167,601,000
<b>San Diego</b>	IVC North Classroom Renovation (Seismic)	PWC	200,000	1,822,000	2,022,000	169,623,000
San Diego	HVAC System and Fume Hood Replacement	PWC	1,128,000	4,525,000	5,653,000	175,276,000
San Diego	Extend Fire Sprinkler System	PWC	175,000	700,000	875,000	176,151,000
San Diego	Drain Pipe Replacement, Ph. 1	PWC	110,000	440,000	550,000	176,701,000
<b>San Francisco</b>	Creative Arts Restroom Renovation	PWC		320,000	320,000	177,021,000
San Francisco	Cox Stadium Restroom Replacement	PWC		650,000	650,000	177,671,000
San Francisco	Building 49, Seismic Upgrade (Tiburon)	PWC		1,921,000	1,921,000	179,592,000
San Francisco	Building 50, Seismic Upgrade (Tiburon)	PWC		2,365,000	2,365,000	181,957,000
San Francisco	Thornton Hall ADA Restroom Upgrade, Ph. 1	PWC		420,000	420,000	182,377,000
San Francisco	Business Building ADA Restroom Upgrade	PWC		360,000	360,000	182,737,000
San Francisco	Building 37, Seismic Upgrade (Tiburon)	PWC		280,000	280,000	183,017,000
San Francisco	Thornton Hall ADA Restroom Upgrade, Ph. 2	PWC		420,000	420,000	183,437,000
San Francisco	Building 11, Demolition (Tiburon)	PWC		227,000	227,000	183,664,000
San Francisco	Building 54, Seismic Upgrade (Tiburon)	PWC		2,335,000	2,335,000	185,999,000
San Francisco	Thornton Hall ADA Restroom Upgrade, Ph. 3	PWC		420,000	420,000	186,419,000
San Francisco	Central Plant/Campus Utility Projects	PWC	100,000	1,171,000	1,271,000	187,690,000
San Francisco	Sanitary Sewer/Storm/Domestic Water Projects	PWC	141,000	1,501,000	1,642,000	189,332,000
San Francisco	Data Center Emergency Power and Condenser	PWC	65,000	741,000	806,000	190,138,000
<b>San José</b>	Utilities Infrastructure, Ph. 2	PWC	611,000	5,502,000	6,113,000	196,251,000
San José	Restroom ADA Upgrades, Multiple Buildings	PWC		600,000	600,000	196,851,000
San José	Sweeney Hall Corridor ADA Upgrades	PWC		160,000	160,000	197,011,000
San José	Hugh Gillis Hall Restrooms ADA Upgrades	PWC		200,000	200,000	197,211,000
San José	Music Building Restrooms ADA Upgrades	PWC		160,000	160,000	197,371,000
San José	Sweeney Hall Restroom and Classroom ADA Upgrades	PWC		300,000	300,000	197,671,000
San José	Campuswide Building Entry Door ADA Upgrades	PWC		50,000	50,000	197,721,000
San José	Engineering Building Lab and Classroom ADA Upgrades	PWC		450,000	450,000	198,171,000
San José	Art Building and Industrial Studies ADA Upgrades	PWC		200,000	200,000	198,371,000
San José	Music Building & Hugh Gillis Hall Classrooms ADA Upgrades	PWC		150,000	150,000	198,521,000
San José	Campuswide Building Corridor and Elevator ADA Upgrades	PWC		500,000	500,000	199,021,000
San José	Campuswide ADA Upgrades	PWC		200,000	200,000	199,221,000
<b>San Luis Obispo</b>	Central Heating Systems Repairs, Ph. 3	C		5,000,000	5,000,000	204,221,000
San Luis Obispo	Substation Redundancy	PWC	380,000	3,819,000	4,199,000	208,420,000
San Luis Obispo	ADA Upgrades	PWC		200,000	200,000	208,620,000
San Luis Obispo	Classroom Upgrades	PWC		800,000	800,000	209,420,000

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### ACADEMIC PROJECTS

Campus	Project Title	Phase	Campus Reserves Budget	SRB-AP Budget	Total Project Budget	Cumulative Total Project Budget
San Marcos	Craven Hall HVAC Upgrades	PWC	215,000	3,033,000	3,248,000	212,668,000
San Marcos	Central Plant Generator	PWC	108,000	1,428,000	1,536,000	214,204,000
San Marcos	Accessibility Improvements, Ph. 1	PWC		650,000	650,000	214,854,000
San Marcos	Accessibility Improvements, Ph. 2	PWC		650,000	650,000	215,504,000
San Marcos	Accessibility Improvements, Ph. 3	PWC		650,000	650,000	216,154,000
Sonoma	Central Plant Main Switchgear	PWC		836,000	836,000	216,990,000
Sonoma	Cooling Tower	PWC		923,000	923,000	217,913,000
Sonoma	Chiller No. 3	PWC		1,110,000	1,110,000	219,023,000
Sonoma	IDEC Unit Replacement, Salazar and Darwin	PWC		2,941,000	2,941,000	221,964,000
Sonoma	In-ground Valve Replacements, Campuswide	PWC		2,348,000	2,348,000	224,312,000
Stanislaus	Central Plant Infrastructure, Ph. 1	PWC		1,776,000	1,776,000	226,088,000
Stanislaus	Drama Air Handler Replacement	PWC	114,000	1,425,000	1,539,000	227,627,000
Stanislaus	ADA Barrier Removal	PWC	66,000	590,000	656,000	228,283,000
Stanislaus	Heating Hot Water Line Replacement	PWC	218,000	1,924,000	2,142,000	230,425,000
Systemwide	HVAC and Electrical Upgrades	PWC		200,000,000	200,000,000	430,425,000
Systemwide	Renovation/Seismic Upgrades	PWC		100,000,000	100,000,000	530,425,000
Total Infrastructure Improvements Program			\$20,982,000	\$509,443,000	\$ 530,425,000	\$530,425,000

### SELF-SUPPORT PROJECTS

Campus	Project Title	Phase	Campus Reserves Budget	SRB-SS Budget	Total Project Budget	Cumulative Total Project Budget
Chico	HVAC Upgrades, Lassen/Shasta Halls	PWC	160,000		160,000	160,000
Chico	Shasta Hall Interior Paint	PWC	80,000		80,000	240,000
Chico	Room Ventilators Abatement, Lassen/Shasta	PWC	140,000		140,000	380,000
Chico	Shasta Hall Chiller Re-piping	PWC	60,000		60,000	440,000
Chico	Whitney Hall Hydronic System, Ph. 2	PWC	380,000		380,000	820,000
Chico	Whitney Hall Carpet Replacement, Ph. 2	PWC	100,000		100,000	920,000
Chico	North Campus Roof Repairs	PWC	50,000		50,000	970,000
Chico	Konkow Hall Painting	PWC	80,000		80,000	1,050,000
Chico	University Village South A/C Unit Repl., Ph. 1	PWC	200,000		200,000	1,250,000
Chico	University Village South ADA Upgrades, Ph. 1	PWC	250,000		250,000	1,500,000
Fresno	Parking Lot Improvements	PWC	2,025,000		2,025,000	3,525,000
Humboldt	Parking Lot Replacements	PWC	185,000	1,904,000	2,089,000	5,614,000
Los Angeles	Golden Eagle Lighting Controls Replacement	PWC	325,000		325,000	5,939,000
Total SELF-SUPPORT Infrastructure Improvements Program			\$ 4,035,000	\$ 1,904,000	\$ 5,939,000	\$ 5,939,000