

UNIVERSITY OF CALIFORNIA

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SANTA BARBARA • SANTA CRUZ

1111 Franklin Street  
Oakland, CA 94607-5200  
Phone: (510) 987-9074  
<http://www.ucop.edu>

January 18, 2019

Director Keely Bosler  
Department of Finance  
915 L Street  
Sacramento, California 95814

The Honorable Holly J. Mitchell  
Chair, Joint Legislative Budget Committee  
1020 N Street, Room 553  
Sacramento, California 95814

Dear Director Cohen and Senator Mitchell:

Pursuant to Sections 92493 through 92496 of the Education Code (SB 85, Chapter 23, Statutes of 2017), enclosed is the University of California's report to the Legislature on the Annual Progress of the Statewide Energy Partnership (SEP) Program.

If you have any questions regarding this report, Associate Vice President David Alcocer would be pleased to speak with you. David can be reached by telephone at (510) 987-9113, or by email at [David.Alcocer@ucop.edu](mailto:David.Alcocer@ucop.edu).

Yours very truly,

A handwritten signature in black ink, appearing to read "Janet Napolitano".

Janet Napolitano  
President

Enclosure

cc: Senate Budget and Fiscal Review  
The Honorable Richard D. Roth, Chair  
Senate Budget and Fiscal Review Subcommittee #1  
(Attn: Ms. Anita Lee)  
(Attn: Ms. Cheryl Black)  
The Honorable Kevin McCarty, Chair  
Assembly Budget Subcommittee #2  
(Attn: Mr. Mark Martin)  
(Attn: Mrs. Katie Sperla)  
Ms. Jennifer Troia, Joint Legislative Budget Committee  
Ms. Erika Contreras, Secretary of the Senate

Director Keely Bosler and The Honorable Holly J. Mitchell

January 18, 2019

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Ms. Tina McGee, Legislative Analyst's Office  
Ms. Amy Leach, Office of the Chief Clerk of the Assembly  
Mr. E. Dotson Wilson, Chief Clerk of the Assembly  
Mrs. Keely Bosler, Department of Finance  
Mr. Jeff Bell, Department of Finance  
Mr. Chris Ferguson, Department of Finance  
Mr. Jack Zwald, Department of Finance  
Ms. Tina McGee, Legislative Analyst's Office  
Ms. Carolyn Chu, Legislative Analyst's Office  
Mr. Jason Constantouros, Legislative Analyst's Office  
Executive Vice President and Chief Financial Officer Nathan Brostrom  
Executive Vice President and Chief Operating Officer Rachael Nava  
Associate Vice President David Alcocer  
Associate Vice President David Phillips  
Associate Vice President and Director Kieran Flaherty  
Chief of Staff to the Chief Financial Officer Oren Gabriel  
Chief of Staff Governmental Relations Bob Hartnagel  
Director Eric Eberhardt  
Manager Jennifer Brice

## UNIVERSITY OF CALIFORNIA

### **Report on the Annual Progress of the Statewide Energy Partnership (SEP) Program**

This report is submitted by the University of California in response to language contained in Sections 92493 through 92496 of the Education Code (SB 85, Chapter 23, Statutes of 2017), which state in part:

92495(g). Notwithstanding Section 10231.5 of the Government Code, commencing with the 2014–15 fiscal year, on or before February 1 of each fiscal year, the University of California shall simultaneously submit a progress report to the Joint Legislative Budget Committee and the Department of Finance detailing the scope, funding, and current status of all capital expenditures undertaken pursuant to Section 92493 and for all capital outlay projects undertaken pursuant to Section 92494.

Sections 92493 through 92496 permit the University of California to expend state operations funding for capital expenditures and debt service payment for projects associated with the University's Statewide Energy Partnership (SEP) Program following legislative notification. This provision permits the University of California to update the list of approved energy efficiency projects as new projects are identified for inclusion in the program, and requires the University of California to submit a progress report, which shows completed energy projects.

The following list (on page 2) identifies energy efficiency projects in State-supported facilities that have been completed in the Partnership Program. Energy savings for the projects on this list total approximately \$2.6 million per year with utility incentives of \$4.8 million. This list brings total reported Statewide Energy Partnership (SEP) Program energy savings in state-supported facilities to \$23.4 million per year and Investor Owned Utility incentives to \$44.9 million from when the program began offering project financing in 2009. The Statewide Energy Partnership Program has been extended by the University through 2025.

**University of California  
List of Completed Projects in State-Supported Facilities  
Included in the 2018 Statewide Energy Partnership Program**

SEP ID	Campus	Proposed List Building Name	Project Name	Final Project Cost	Anticipated Funding Source	Final Incentive	Total Cost Savings
A3215	Berkeley	WARREN	Retrofit - Earl Warren Data Center	\$ 1,082,790	State Operating Funds	\$ 117,004	\$ 48,752
A7038	Berkeley	WARREN	RCx - Warren Hall RCx	\$ 38,921	State Operating Funds	\$ 31,137	\$ 15,539
B3590	San Francisco	654MINNESOTA	Retrofit - OASIS DataCtr Server Virt - Phs 1	\$ 20,851	State Operating Funds	\$ 8,515	\$ 5,731
B3596	San Francisco	CAMPUSWIDE	Retrofit - MU&LHts Garage CO Sensors	\$ 133,626	State Operating Funds	\$ 69,646	\$ 29,019
B7018	San Francisco	PSSRB	MBCx - PSSRB	\$ 510,030	State Operating Funds	\$ 393,895	\$ 182,601
B7025	San Francisco	MED SCIENCES	Retrofit - Medical Sciences Building Fan Upgrade (Deemed)	\$ -	State Operating Funds	\$ 20,440	\$ 21,067
B7042	San Francisco	DILLER C RES	MBCx - Helen Diller	\$ 330,380	State Operating Funds	\$ 213,731	\$ 118,979
B7047	SF Med Center	CAMPUSWIDE	Retrofit - China Basin Chiller	\$ 258,742	State Operating Funds	\$ 68,718	\$ 28,633
B7055	San Francisco	CAMPUSWIDE	Retrofit - Campuswide Freezer Replacement Phase 4	\$ 183,569	State Operating Funds	\$ 14,392	\$ 6,222
C3104	Davis	HUTCH	Retrofit - Hutchinson AHU VFD	\$ 600,027	State Operating Funds	\$ 151,250	\$ 95,885
C3105	Davis	CAMPUSWIDE	Retrofit - Tupper Fume Hood Exhaust	\$ 1,007,848	State Operating Funds	\$ 31,150	\$ 12,979
C3676-2	Davis	MECH 2	Retrofit - CHCP Condensing Economizer Phase 2	\$ 771,855	State Operating Funds	\$ 63,667	\$ 50,794
C3701	Davis	CAMPUSWIDE	Retrofit - Restroom Lighting	\$ 148,077	State Operating Funds	\$ 71,051	\$ 29,604
D7107	Los Angeles Medical Center	GOLDBERG MB	Retrofit - Medical Plaza 200/300 Lighting 1	\$ 114,837	State Operating Funds	\$ 24,305	\$ 9,117
D7108	Los Angeles	DODD HALL	Retrofit - Fumehood Conversion	\$ 172,820	State Operating Funds	\$ 46,640	\$ 58,301
D7110	Los Angeles Medical Center	GOLDBERG MB	Retrofit - Medical Plaza 200/300 Lighting 2	\$ 155,341	State Operating Funds	\$ 33,035	\$ 22,417
D7111	Los Angeles	CAMPUSWIDE	Retrofit - 2016 Campuswide Lighting	\$ 296,662	State Operating Funds	\$ 74,538	\$ 49,692
D7116	Los Angeles	KAUFMAN	Retrofit - Kaufman Hall Lighting	\$ 30,054	State Operating Funds	\$ 5,436	\$ 9,569
D7117	Los Angeles	PERLOFF HALL	Retrofit - Perloff Hall VFD	\$ 69,802	State Operating Funds	\$ 13,909	\$ 17,386
F2051	San Diego	CMRR	Retrofit - CMRR VAV Upgrade	\$ 2,022,831	State Operating Funds	\$ 91,946	\$ 44,011
F3031	San Diego	NIERENBERG	MBCx - Nierenberg Hall	\$ 100,798	State Operating Funds	\$ 42,434	\$ 21,632
F3032	San Diego	NIEREN ANNEX	MBCx - Spiess Hall (Nierenberg Annex)	\$ 54,712	State Operating Funds	\$ 32,171	\$ 13,941
F3070	San Diego	E UTILITIES	Retrofit - Absorption Chiller (Fuel Cell Heat Recovery)	\$ 2,058,149	State Operating Funds	\$ 224,400	\$ 93,500
F3093	San Diego	COG SCI BLDG	MBCx - Cognitive Science Building	\$ 413,594	State Operating Funds	\$ 113,719	\$ 68,707
F3533	San Diego	SUPERCOMPUTR	Retrofit - Supercomputer Opto 22 HVAC Control	\$ 80,089	State Operating Funds	\$ 64,071	\$ 59,089
F7036	San Diego	CAMPUSWIDE	MBCx - CUP Condensing Water System	\$ 290,152	State Operating Funds	\$ 232,122	\$ 156,729
F7037	San Diego	CAMPUSWIDE	MBCx - Secondary Chilled Water Loop	\$ 499,069	State Operating Funds	\$ 200,119	\$ 130,315
F7038	San Diego	CAMPUSWIDE	MBCx - Central Utility Plant High Temperature Hot Water Loop	\$ 126,583	State Operating Funds	\$ 79,614	\$ 54,850
F7045	San Diego	HUBBS HALL	Retrofit - Hubbs Hall VAV	\$ 5,507,461	State Operating Funds	\$ 244,518	\$ 132,021
F7053	San Diego	CAMPUSWIDE	Retrofit - Ultralow Freezer Efficiency Upgrades Phase II	\$ 311,500	State Operating Funds	\$ 15,000	\$ 9,933
G3711605	Santa Cruz	THIMANN LAB	Retrofit - Ultralow Freezer Replacement	\$ 10,740	State Operating Funds	\$ 3,600	\$ 2,406
G3770001	Santa Cruz	LML DOLPHNRM	Retrofit - Long Marine Lab Effluent Heat Recovery	\$ 309,870	State Operating Funds	\$ 15,885	\$ 12,708
H3135	Santa Barbara	ROBERTSN GYM	Retrofit - Robertson Gym Lighting	\$ 131,957	State Operating Funds	\$ 11,644	\$ 4,852
H3153	Santa Barbara	GIRVETZ HALL	Retrofit - Girvetz Hall Lighting	\$ 109,741	State Operating Funds	\$ 14,804	\$ 6,168
H7022	Santa Barbara	CAMPUSWIDE	Retrofit - Adaptive Corridor Lighting	\$ 152,714	State Operating Funds	\$ 45,598	\$ 18,999
I3089	Irvine	STEINHAUS H	MBCx - Steinhaus Hall	\$ 107,168	State Operating Funds	\$ 46,714	\$ 31,226
I3093	Irvine	ROWLAND HALL	MBCx - Rowland Hall	\$ 283,581	State Operating Funds	\$ 226,864	\$ 179,332
I3113	Irvine	MED SCI C	MBCx - Med Sci A-D	\$ 213,314	State Operating Funds	\$ 155,458	\$ 73,943
I6027	Irvine	CENTRL PLANT	Retrofit - Central Plant Energy Efficiency Projects	\$ 233,243	State Operating Funds	\$ 200,553	\$ 83,564
I6042	Irvine	LAW BUILDING	Retrofit - Engineering Gateway Data Ctr Server Upgrade	\$ 181,300	State Operating Funds	\$ 141,735	\$ 59,056
I6044	Irvine	CAMPUSWIDE	Retrofit - Reines & Med Sci Exterior Lighting	\$ 10,389	State Operating Funds	\$ 3,387	\$ 1,411
I6048	Irvine	LAW BUILDING	Retrofit - Law Building Boiler Upgrade (Deemed)	\$ 32,201	State Operating Funds	\$ 1,365	\$ 1,092
I6061	Irvine	MCGAUGH HALL	Retrofit - Gillespie & McGaugh EDSVR	\$ 924,059	State Operating Funds	\$ 134,551	\$ 56,063
I6063	Irvine	MCGAUGH HALL	Retrofit - Comp Sci Bldg & McGaugh Hall Data Server	\$ 243,098	State Operating Funds	\$ 176,172	\$ 73,405
I6066	Irvine	CAMPUSWIDE	Retrofit - HVAC Controls	\$ 344,732	State Operating Funds	\$ 243,711	\$ 142,019
I6067	Irvine	PSYCH TR NC	Retrofit - Psychology Bldg Freezer Room Ventilation	\$ 26,500	State Operating Funds	\$ 6,314	\$ 2,631
I7014	Irvine	CAMPUSWIDE	Retrofit - ANSI Z9.5 Fume Hood	\$ 56,220	State Operating Funds	\$ 6,507	\$ 3,176
I7030	Irvine	ENGINRNG LAB	MBCx - Engineering Lab Facility (Electric)	\$ 574,165	State Operating Funds	\$ 74,394	\$ 30,997
I7041	Irvine	CAMPUSWIDE	Retrofit - Campuswide Exterior Lighting Phase 2	\$ 1,681,132	State Operating Funds	\$ 237,242	\$ 98,851
I7053	Irvine	CAMPUSWIDE	MBCx - Science Buildings (Electric)	\$ 482,659	State Operating Funds	\$ 118,220	\$ 49,258
I7054	Irvine	REINES HALL	MBCx - Reines Hall (Electric)	\$ 360,419	State Operating Funds	\$ 129,530	\$ 53,971
I7094	Irvine	CAMPUSWIDE	Retrofit - ANSI Z9.5 Fume Hood Phase 2	\$ 26,668	State Operating Funds	\$ 4,791	\$ 2,049
<b>Total</b>				<b>\$ 23,887,040</b>	<b>State Operating Funds</b>	<b>\$ 4,791,612</b>	<b>\$ 2,584,189</b>

Office of the President  
University of California  
1111 Franklin Street  
Oakland, CA 94607  
<http://www.ucop.edu>