

University of California, Santa Barbara



Annual Utility & Energy Report Fiscal Year 2025

UC SANTA BARBARA
Energy & Engineering
Design, Facilities and Safety Services

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Introduction

This report provides a comprehensive overview of University of California, Santa Barbara's (UCSB) utility use and costs, covering the following key areas:

- Utility usage and cost data for the past 10 fiscal years
- Energy Use Intensity (EUI) data for the past 10 fiscal years
- A focused analysis of utility usage and cost changes over the most recent two fiscal years
- Identification of long-term trends in utility consumption and expenditures
- UCSB's energy efficiency efforts and resulting energy usage and cost savings

The report includes data for the following utilities:

- Grid Purchased Electricity
- On-site Solar Generation
- Natural Gas
- Potable Water
- Reclaimed Water
- Sewer

Data is presented for both 1) the UCSB Main Campus and 2) all UCSB-owned properties, including Main Campus and off-campus facilities. The latter is referred to as "Total" or "All Purchased Utilities."

This Annual Utility & Energy Report is published each fiscal year (FY) for informational purposes only. The fiscal year at UCSB is from July through June (i.e., FY2025 is July 1, 2024 through June 30, 2025). Please visit <http://energy.ucsb.edu> for additional information or email pf-utilities@ucsb.edu.

Utility Use and Cost – Last Two Years

In FY2025, total utility costs increased by 3.3% (Main Campus) and 4.6% (All Purchased Utilities). Total FY2025 utility spending was \$18,590,382 (Main Campus) and \$22,368,173 (All Purchased Utilities). See the last two years of combined utility cost data below:

Fiscal Year	Total	
	Main Campus	Total
2024	\$ 17,999,241	\$ 21,378,388
2025	\$ 18,590,382	\$ 22,368,173
% Change	3.3%	4.6%

Total combined utility costs increased slightly, driven by increased unit costs for all utilities except natural gas and solar. Tables below show cost, usage, and unit cost data for FY2024 and FY2025, along with the percent change. Following the tables, we discuss each utility type.

Cost (\$)												
Fiscal Year	Electric		Natural Gas		Reclaimed Water		Sewer		Solar PV		Water	
	Main Campus	Total	Main Campus	Total	Main Campus	Total	Main Campus	Total	Main Campus	Total	Main Campus	Total
2024	\$ 12,043,542	\$ 12,716,347	\$ 1,854,318	\$ 2,497,379	\$ 402,337	\$ 472,847	\$ 566,013	\$ 1,517,617	\$ 1,017,979	\$ 1,017,979	\$ 2,115,052	\$ 3,156,217
2025	\$ 12,565,674	\$ 13,352,752	\$ 1,611,363	\$ 2,217,092	\$ 438,629	\$ 520,119	\$ 791,297	\$ 1,920,044	\$ 821,250	\$ 821,250	\$ 2,362,169	\$ 3,536,916
% Change	4.3%	5.0%	-13.1%	-11.2%	9.0%	10.0%	39.8%	26.5%	-19.3%	-19.3%	11.7%	12.1%
Utility Use												
Fiscal Year	Electric (kWh)		Natural Gas (therms)		Reclaimed Water (ccf)		Sewer (Kgal)		Solar PV (kWh)		Water (ccf)	
	Main Campus	Total	Main Campus	Total	Main Campus	Total	Main Campus	Total	Main Campus	Total	Main Campus	Total
2024	78,299,128	81,256,997	2,620,047	3,147,946	61,657	69,166	57,590		9,529,198	9,529,198	206,027	310,205
2025	77,658,704	80,448,739	2,835,080	3,319,064	65,475	73,898	55,020		8,964,116	8,964,116	211,505	329,386
% Change	-0.8%	-1.0%	8.2%	5.4%	6.2%	6.8%	-4.5%		-5.9%	-5.9%	2.7%	6.2%
Unit Cost												
Fiscal Year	Electric (\$/kWh)		Natural Gas (\$/therms)		Reclaimed Water (\$/ccf)		Sewer (\$/Kgal)		Solar PV (\$/kWh)		Water (\$/ccf)	
	Main Campus	Total	Main Campus	Total	Main Campus	Total	Main Campus	Total	Main Campus	Total	Main Campus	Total
2024	\$ 0.15	\$ 0.16	\$ 0.71	\$ 0.79	\$ 6.53	\$ 6.84	\$ 9.83		\$ 0.11	\$ 0.11	\$ 10.27	\$ 10.17
2025	\$ 0.16	\$ 0.17	\$ 0.57	\$ 0.67	\$ 6.70	\$ 7.04	\$ 14.38		\$ 0.09	\$ 0.09	\$ 11.17	\$ 10.74
% Change	5.2%	6.1%	-19.7%	-15.8%	2.7%	3.0%	46.3%		-14.2%	-14.2%	8.8%	5.5%

Summary by Utility

Grid Purchased Electricity

- Usage decreased by ~1%.
- Costs rose by ~5%, driven by a ~6% increase in unit cost, consistent with statewide trends.

On-site Solar Generation

- No new arrays were added in FY2025.
- Under the 20-year Power Purchase Agreement (PPA), the unit cost remains fixed at \$0.119/kWh.
- Because generation fell short of the PPA's guaranteed minimum, UCSB received performance guarantee payments from the solar provider.

Natural Gas

- Usage increased by 8.2% (Main Campus) and 5.4% (All Purchased Utilities).
- Costs decreased by over 11%, driven by a decrease of over 15% in unit cost.
 - Unit cost spiked significantly in FY2022–FY2023 due to a statewide price surge but returned to its normal trend in FY2024–FY2025. See the Utility Use and Cost Data – Last 10 Years Trends section for details.

Potable Water

- Usage increased by 2.7% (Main Campus) and 6.2% (All Purchased Utilities).
- Unit cost rose 8.8% (Main Campus) and 5.5% (All Purchased Utilities).
- Overall costs increased by ~12% for both Main Campus and All Purchased Utilities.

Reclaimed Water

- Usage increased by ~6% (Main Campus) and ~7% (All Purchased Utilities).
- Unit cost rose by ~3%, resulting in a cost increase of ~10%.

Sewer

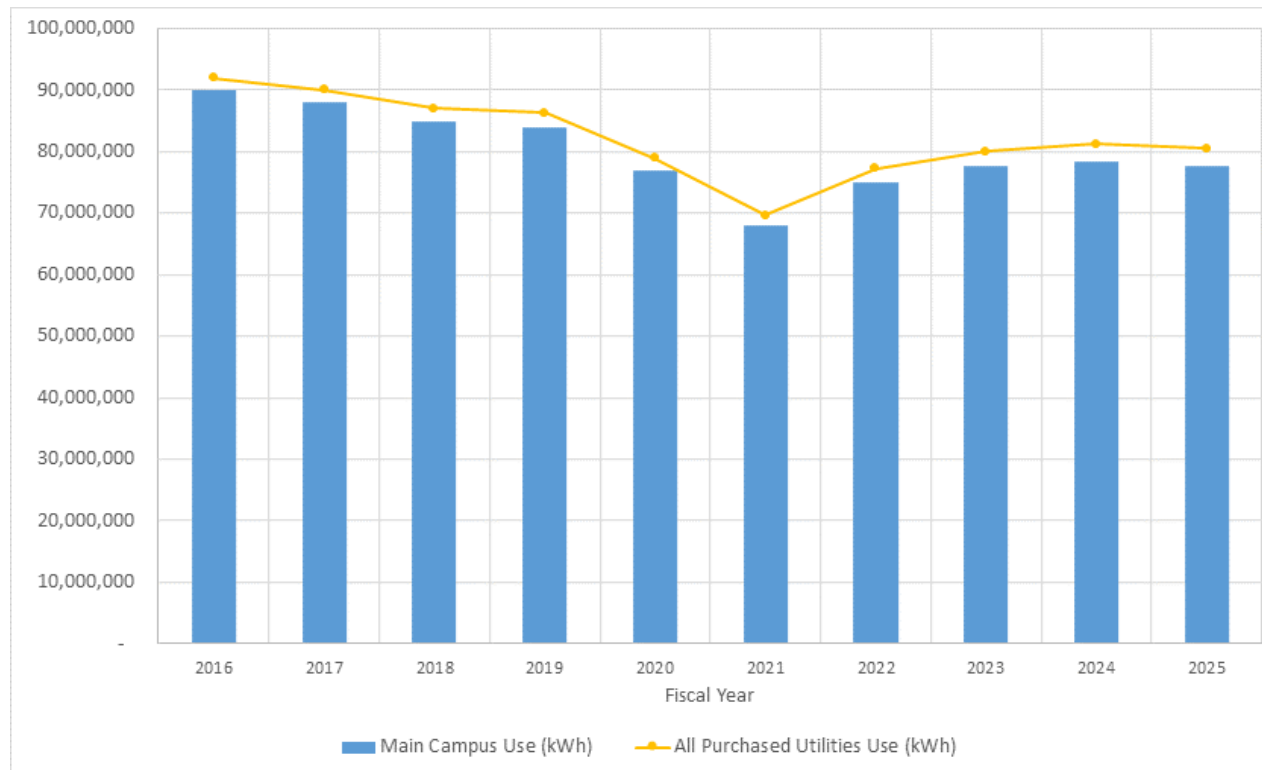
- Costs increased sharply by 39.8% (Main Campus) and 26.5% (All Purchased Utilities), driven primarily by Biosolids and Energy Strategic Plan (BESP) Phase I and the Solids Handling Improvement Project (SHIP) at the Goleta Sanitary District wastewater treatment facility.
- Usage decreased by 4.5% (Main Campus).
- Unit cost increased by 46.3% (Main Campus).
- Note: The entire Main Campus is served by the Goleta Sanitary District (GSD), while all other UCSB properties are served by the Goleta West Sanitary District (GWSD). Because usage data is not reported for GWSD-served properties, unit cost cannot be reported for the All Purchased Utilities category.

Utility Use and Cost Data – Last 10 Years Trends

Grid Purchased Electricity

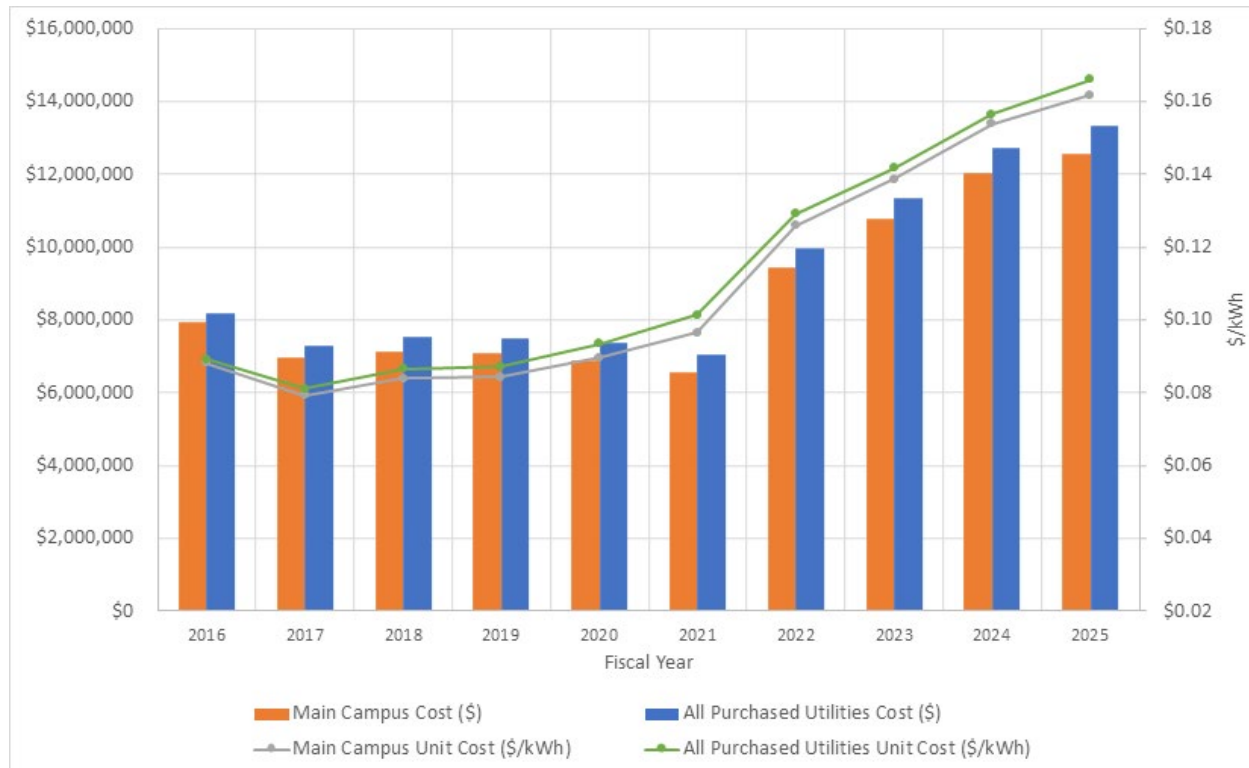
Usage

- There was a decrease in usage during FY2020–FY2021 due to reduced occupancy during the campus COVID closure.
- Since then, electric usage increased each year through FY2024, with a slight decrease in FY2025, and remains below FY2019 levels.
- HVAC scheduling optimization, extensive LED lighting upgrades, and building automation improvements completed during the time period represented below are the primary drivers behind reduced electrical use intensity, as compared with FY2016.



Cost

- Unit costs have increased by ~83% since FY2016, which is consistent with statewide market trends.
- UCSB's current average unit cost is about half of average market rates, due to the campus's subtransmission power delivery tariff and its procurement of power generation through the University of California Office of the President (UCOP) Clean Power Program.¹



¹ <https://www.ucop.edu/energy-services/programs-initiatives/energy-procurement.html>
pf-utilities@ucsb.edu

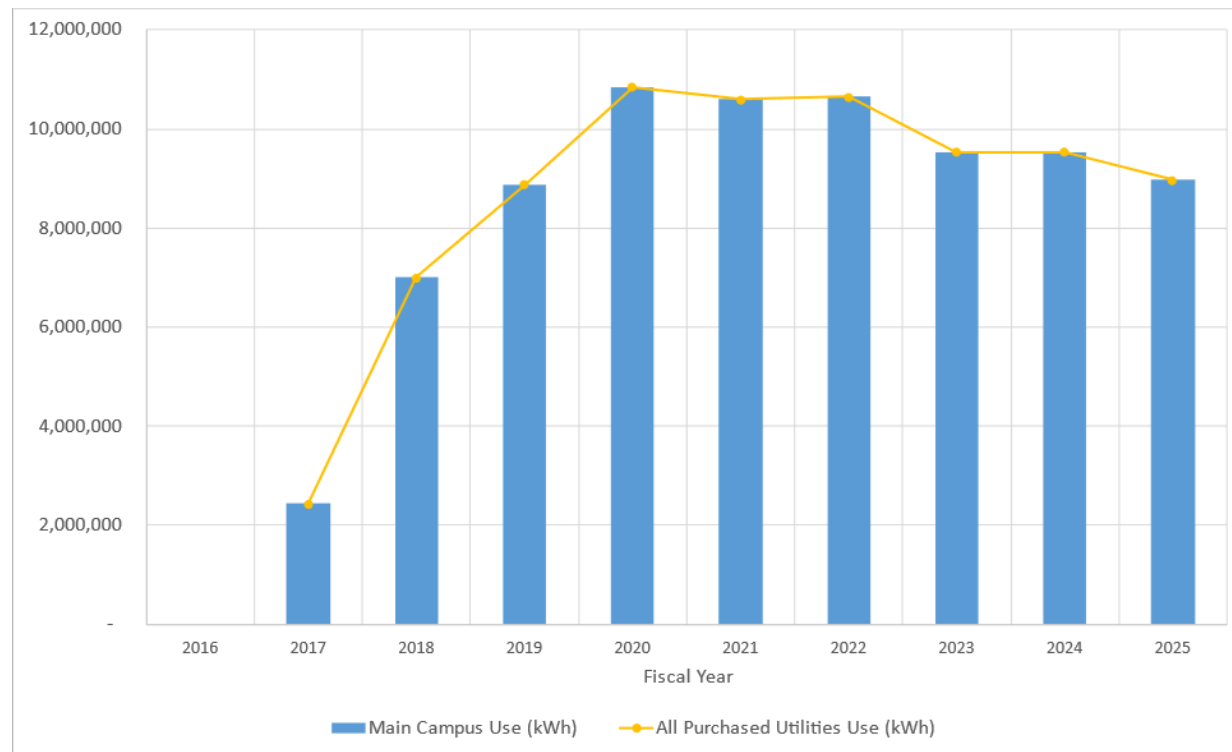
On-site Solar Generation

There are twelve Power Purchase Agreement (PPA) solar arrays rated at 6,114 kW total and six campus-owned arrays rated at 624 kW total at UCSB, all located on UCSB's Main Campus. Note:

- UCSB's non-export interconnection agreement with Southern California Edison prohibits exporting power to the grid.
- There are no large solar arrays outside of UCSB's Main Campus; thus, only Main Campus data is presented below.
- A number of campus-owned arrays are unmetered.
 - Output was estimated by calculating the ratio of actual output to rated capacity for the PPA arrays, then applying that performance ratio to the rated capacity of the campus-owned array.

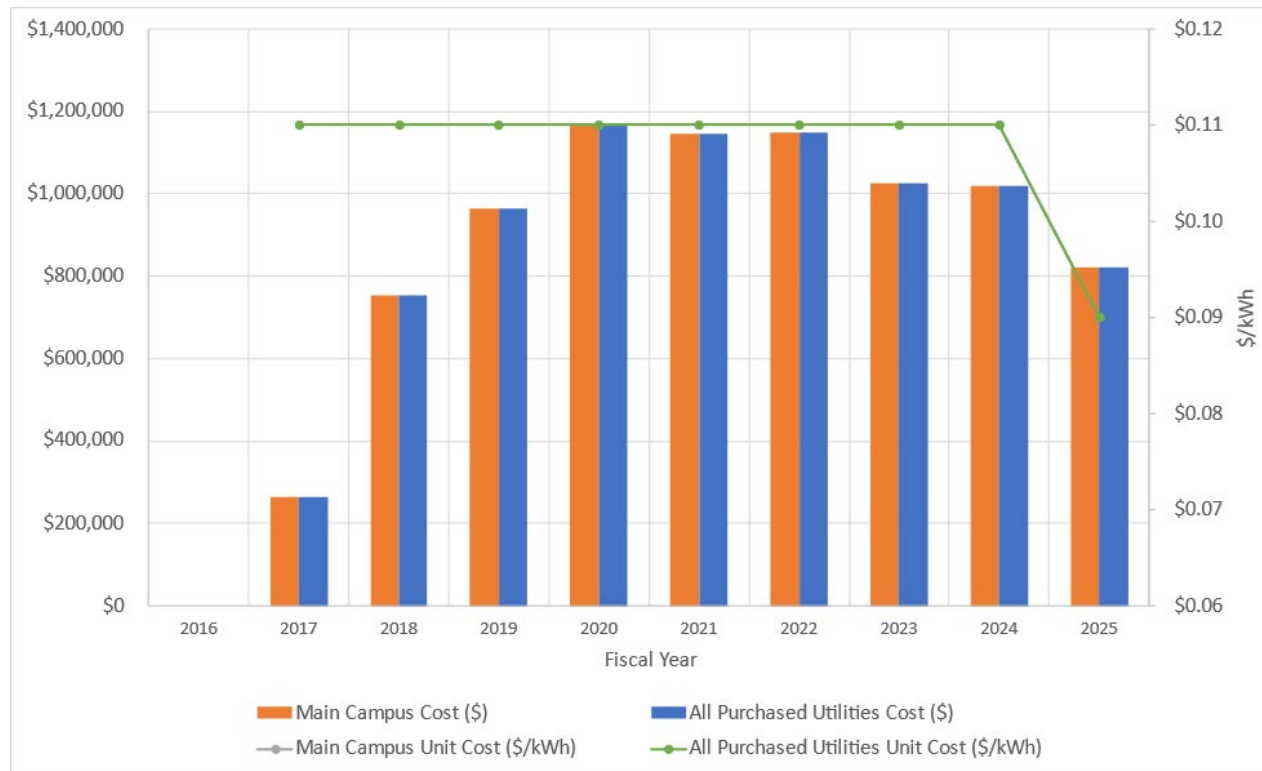
Usage

- Solar generation grew from FY2017–FY2022 as arrays were installed and brought online, with all systems fully operational by 2020 and peak generation near 10,700 MWh.
- Generation has since declined to approximately 9,500 MWh in FY2023–FY2024 and ~9,000 MWh in FY2025, driven by system downtime for repairs and gradual panel degradation.



Cost

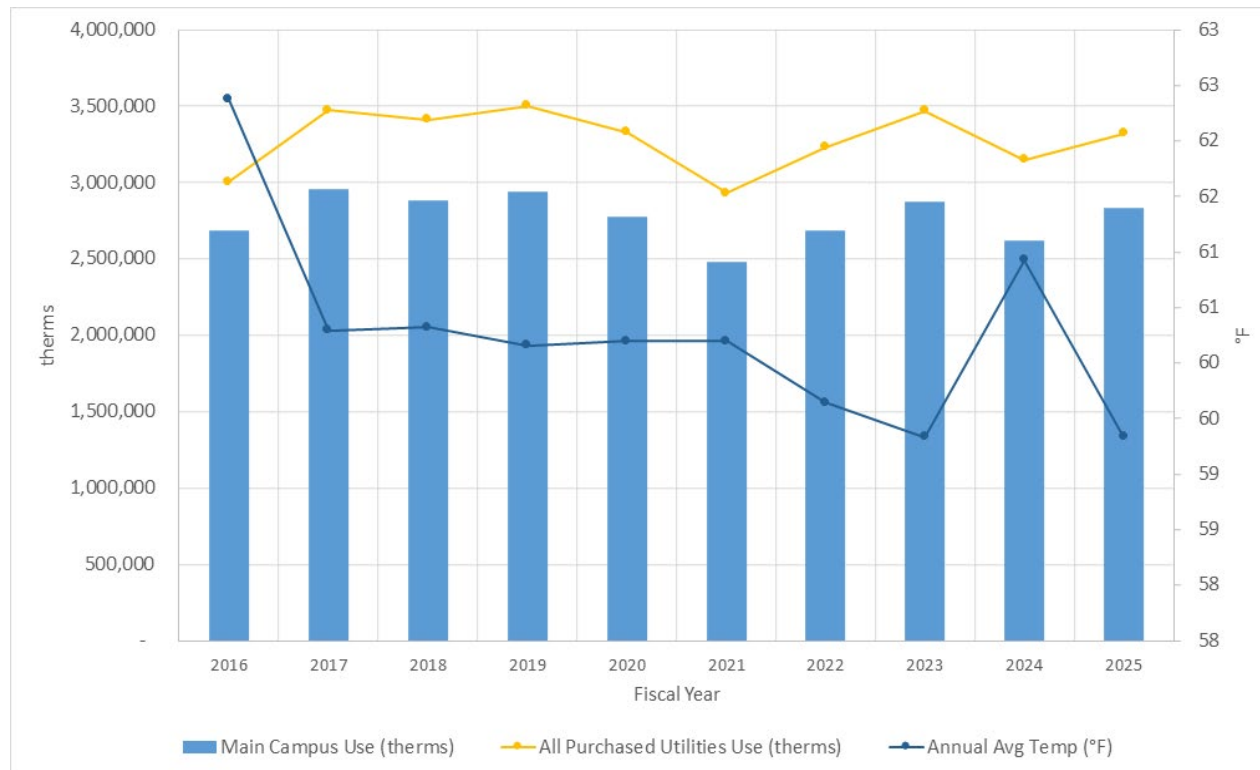
- Performance guarantee payments received from the solar provider reduced the net cost of solar electricity in FY2025.
- After accounting for these payments, the effective blended solar rate decreased to \$0.09/kWh, compared to the PPA contract rate of \$0.119/kWh.



Natural Gas

Usage

- Natural gas usage is weather-dependent; the colder it is, the more natural gas is required for heating.
- Usage inversely tracks annual average temperature.
- COVID related occupancy changes lowered usage in FY2021.



Cost

- Unit cost has increased ~39% from FY2016–FY2025, which is slightly above the ~33%² inflation rate over this same period.
- Significant spikes in FY2022–FY2023 were caused by statewide price surges³. Prices returned to trend in FY2024–FY2025.



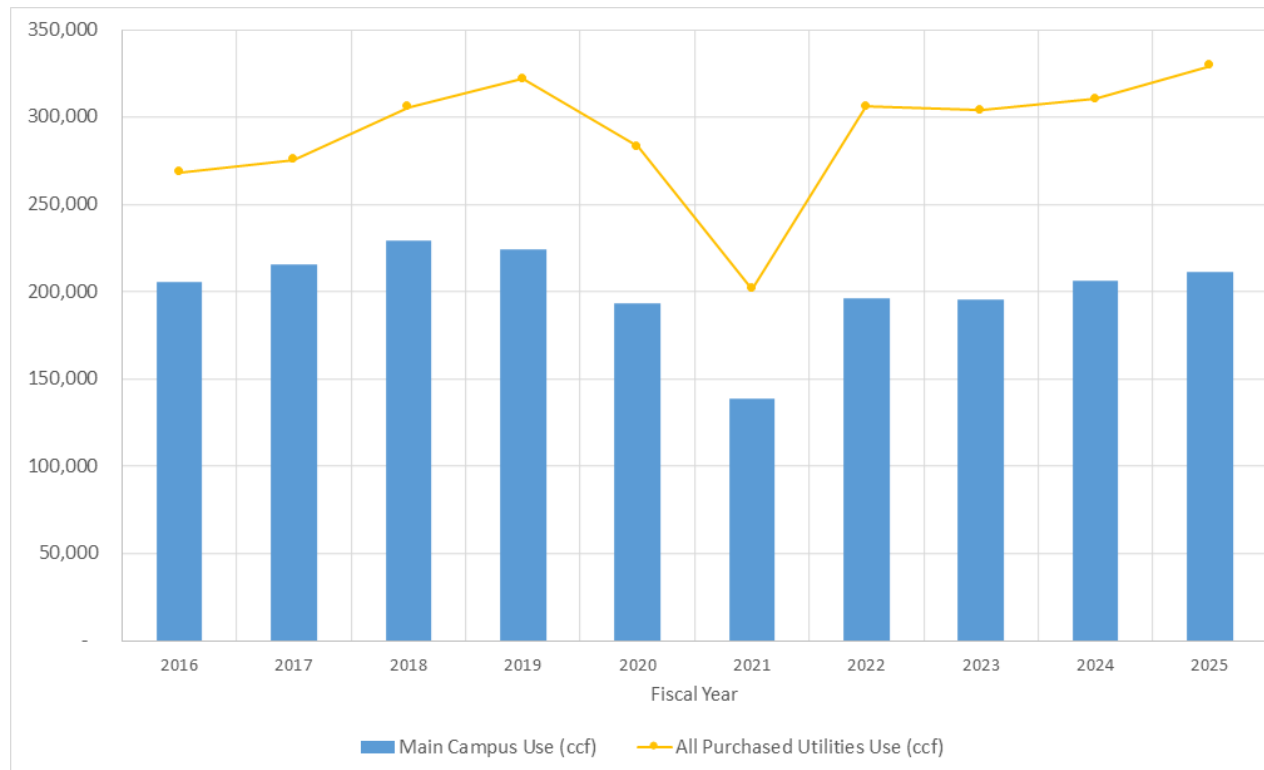
² <https://www.minneapolisfed.org/about-us/monetary-policy/inflation-calculator>

³ <https://www.caiso.com/Documents/special-report-on-gas-conditions-and-caiso-markets-for-december-2022-and-january-2023-published.html>

Potable Water

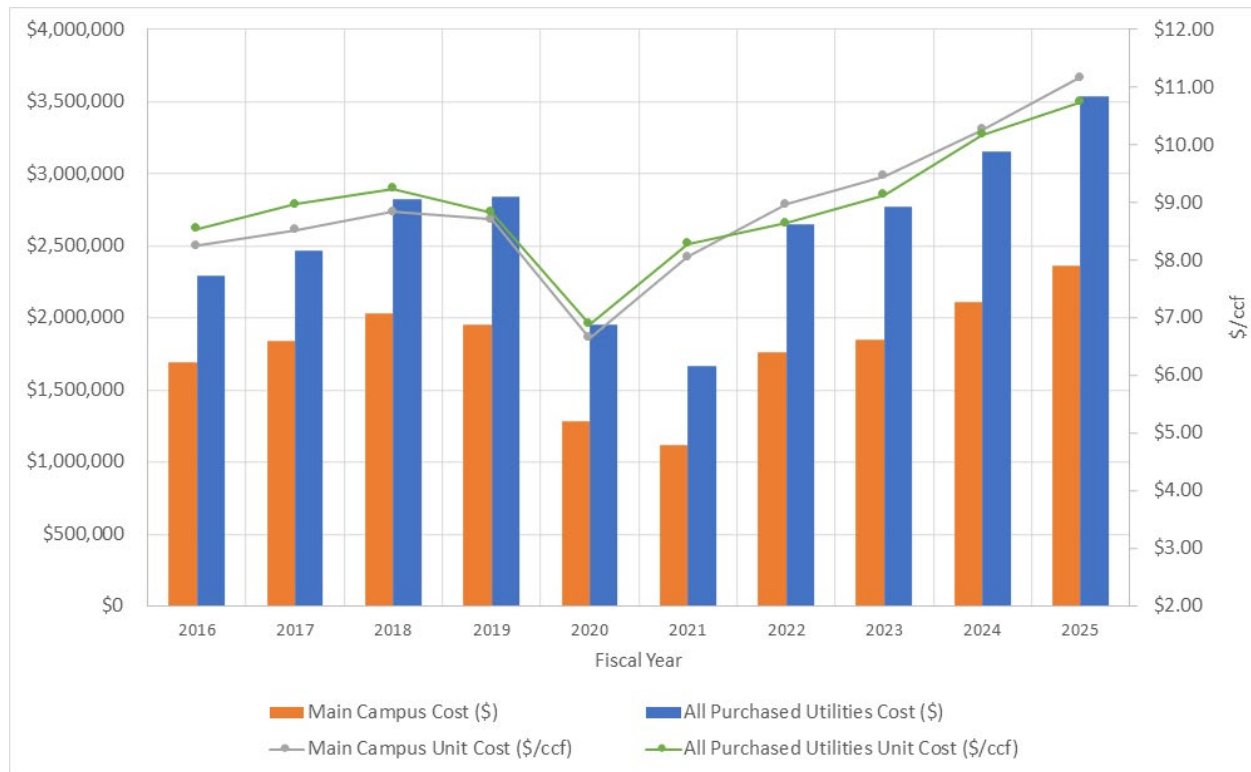
Usage

- Potable water usage increased from FY2016–FY2019, dropped during COVID, and returned to pre-COVID levels by FY2022.
- Current usage is similar to FY2019 levels.



Cost

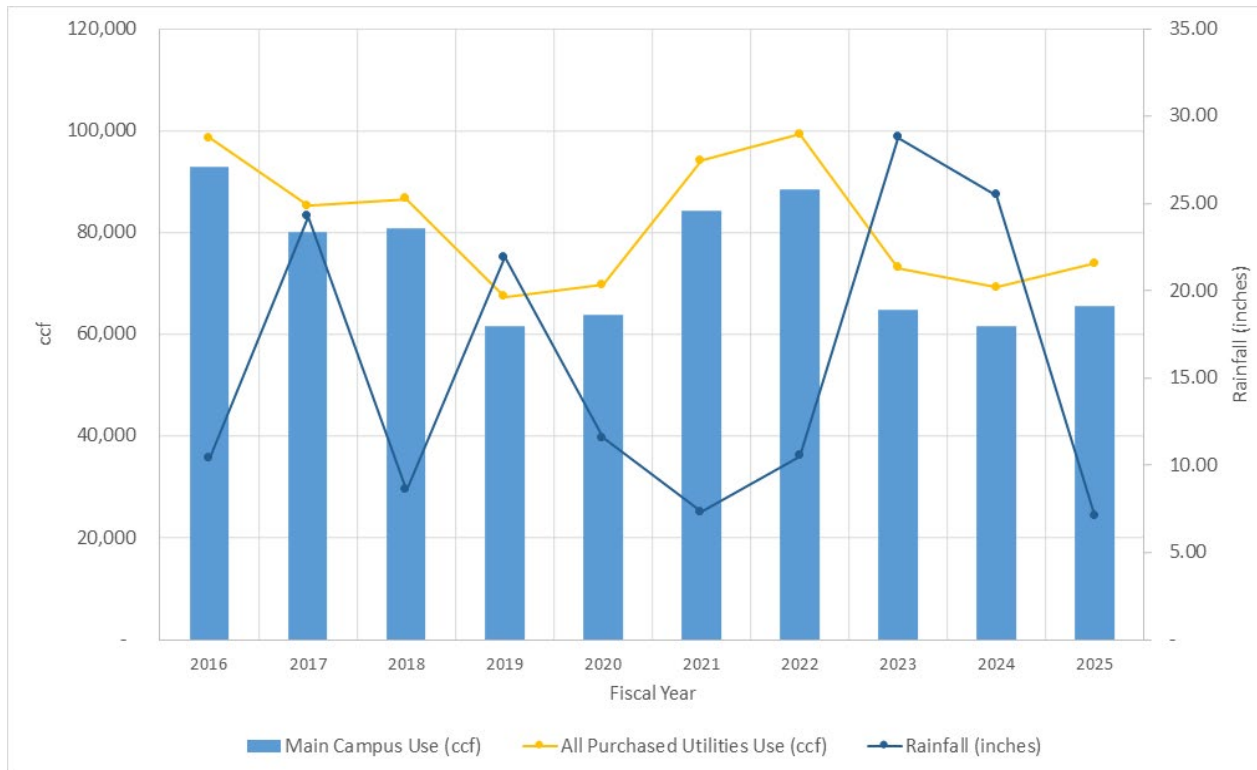
- Unit cost has increased by ~35% since FY2016, which is slightly above the ~33% inflation rate over this same time period.
- The ~35% drop in unit cost in FY2020 was due to the removal of drought surcharges after improved water allocations from Lake Cachuma.



Reclaimed Water

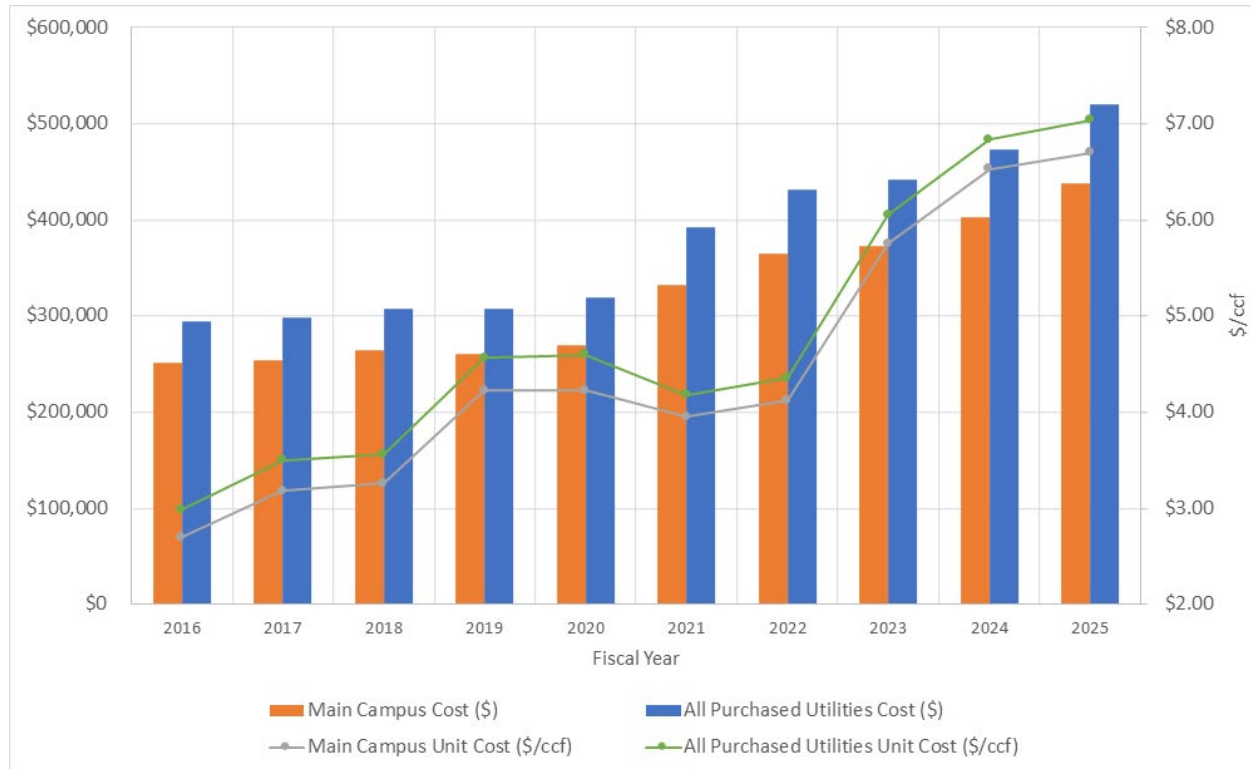
Usage

- Reclaimed water is used for irrigation. During years with more rain, less irrigation is needed.
- Usage generally inversely tracks annual rainfall.



Cost

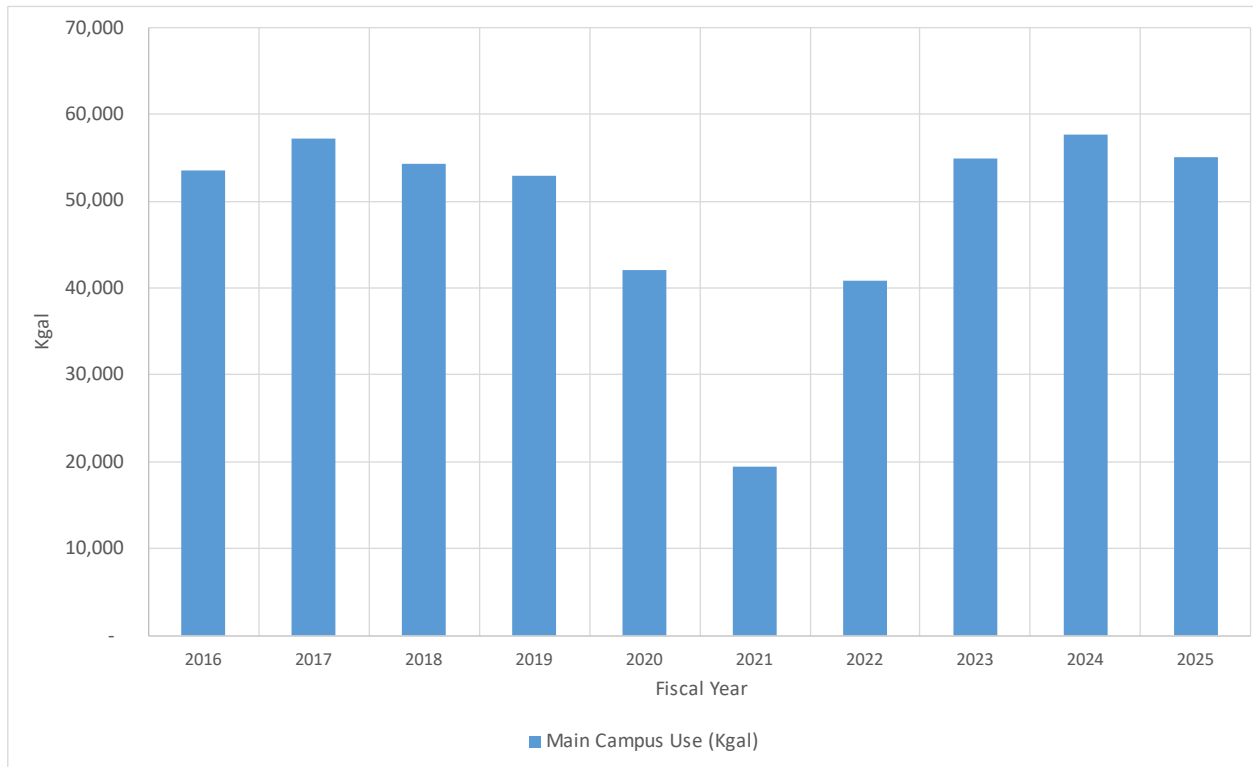
- Unit cost has increased by ~150% from FY2016–FY2025, far exceeding inflation at ~33%.



Sewer

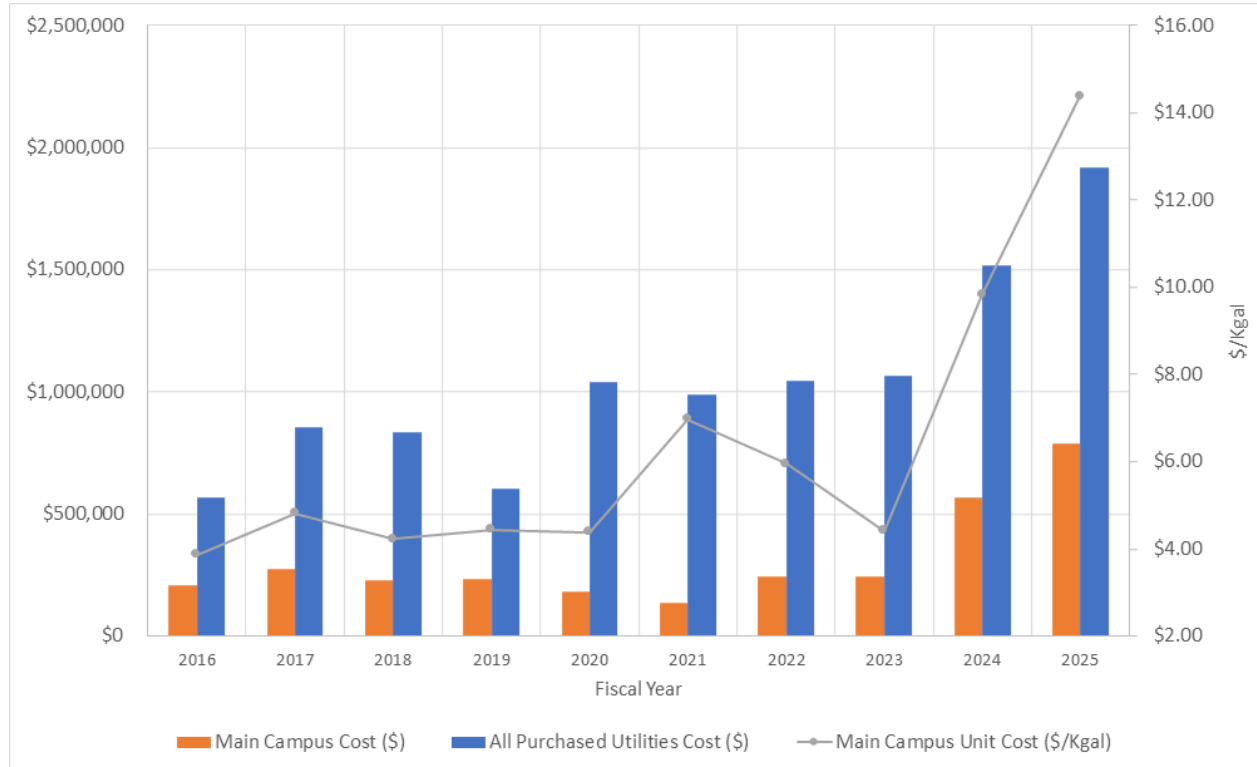
Usage

- Sewer usage was relatively stable from FY2016–FY2019, fell dramatically during FY2020–FY2022 due to COVID, then returned to pre-COVID levels by FY2023.
- Current usage is similar to FY2018.



Cost

- Unit cost has increased dramatically by ~273% from FY2016–FY2025, far outpacing inflation at ~33% over this time period, driven primarily by the Biosolids and Energy Strategic Plan (BESP).
 - The Goleta Sanitary District has begun implementation of a phased Capital Improvement Plan, including BESP Phase I and SHIP. UCSB is a contract user of the Goleta Sanitary District wastewater treatment facility and is responsible for 7.09% of the plant's capital costs.



Benchmarking Campus Performance with EUI, WUI, and SUI

Energy Use Intensity (EUI) measures a building's annual energy consumption—both electricity and natural gas—relative to its size. ENERGY STAR provides median EUI values for different market sectors across the United States⁴. Tracking building EUI allows operators and owners to assess energy efficiency, benchmark performance against similar buildings, and monitor changes over time. There are also corresponding metrics for Water Use Intensity (WUI) and Sewer Use Intensity (SUI) to describe the annual water and sewer use by size, respectively.

In this section, we provide EUI, WUI, and SUI values for the last 10 years, and compare to median US values for a "College/University" property type in the "Education" market sector.

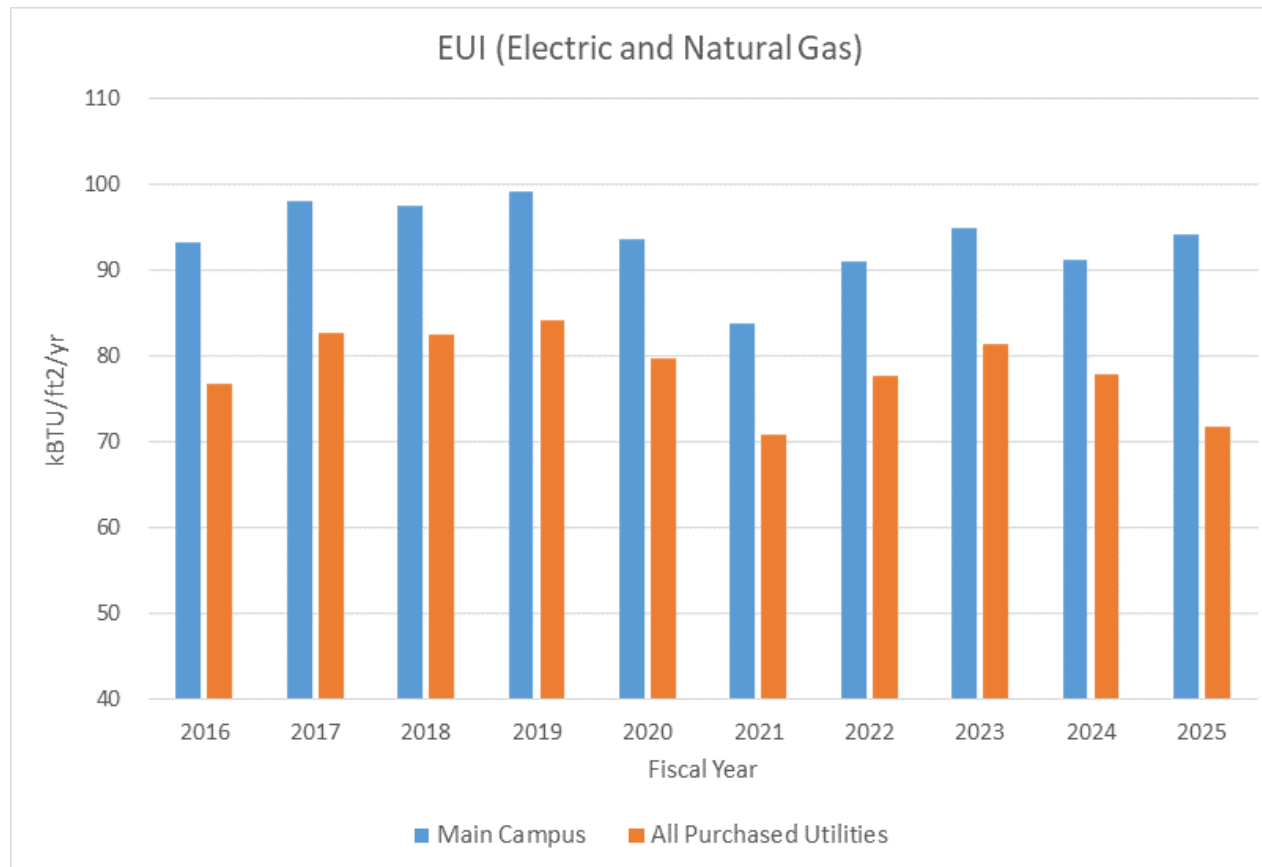
Note:

- Data have not been adjusted to account for weather or occupancy variations.
- Occupancy changes related to COVID are reflected in all three metrics and will be discussed below.
- ENERGY STAR median values given below were developed for all college types, not just research universities (i.e., small community colleges to large research universities).
- All EUI, WUI, and SUI values represent *site* measurements, including only the energy, water, and sewer recorded at the relevant meters; they do not account for any upstream or embedded use.

⁴ <https://www.energystar.gov/buildings/benchmark/understand-metrics/what-eui>
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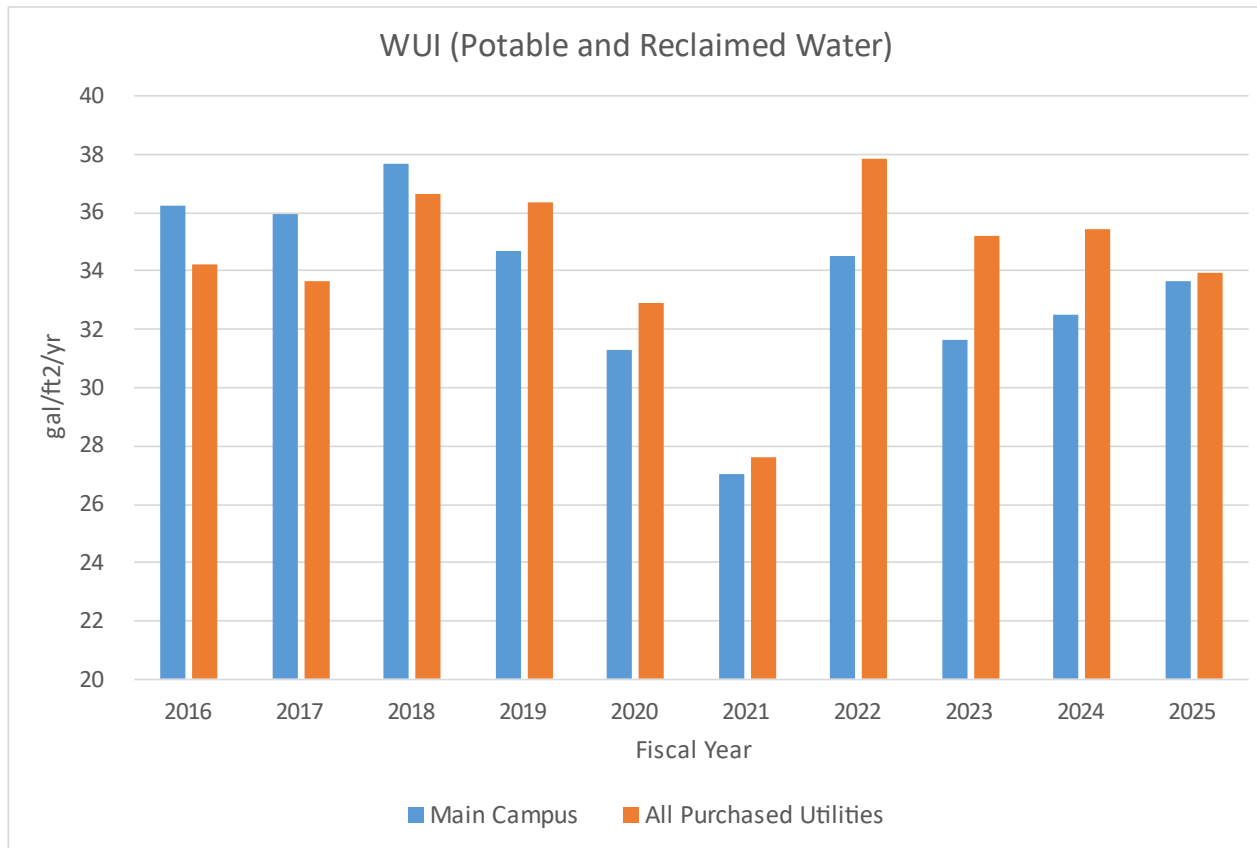
Energy Use Intensity (EUI)

The current median EUI for U.S. colleges and universities is 84.3 kBtu/ft²/yr. In FY2025, UCSB's Main Campus recorded an EUI of 94.1, while All Purchased Utilities recorded an EUI of 71.7. The Main Campus figure exceeds the national median, which is expected given UCSB's extensive laboratory facilities that require significantly more energy than typical classrooms. Conversely, the All Purchased Utilities figure is below the median because it includes less energy-intensive facilities, such as student housing.



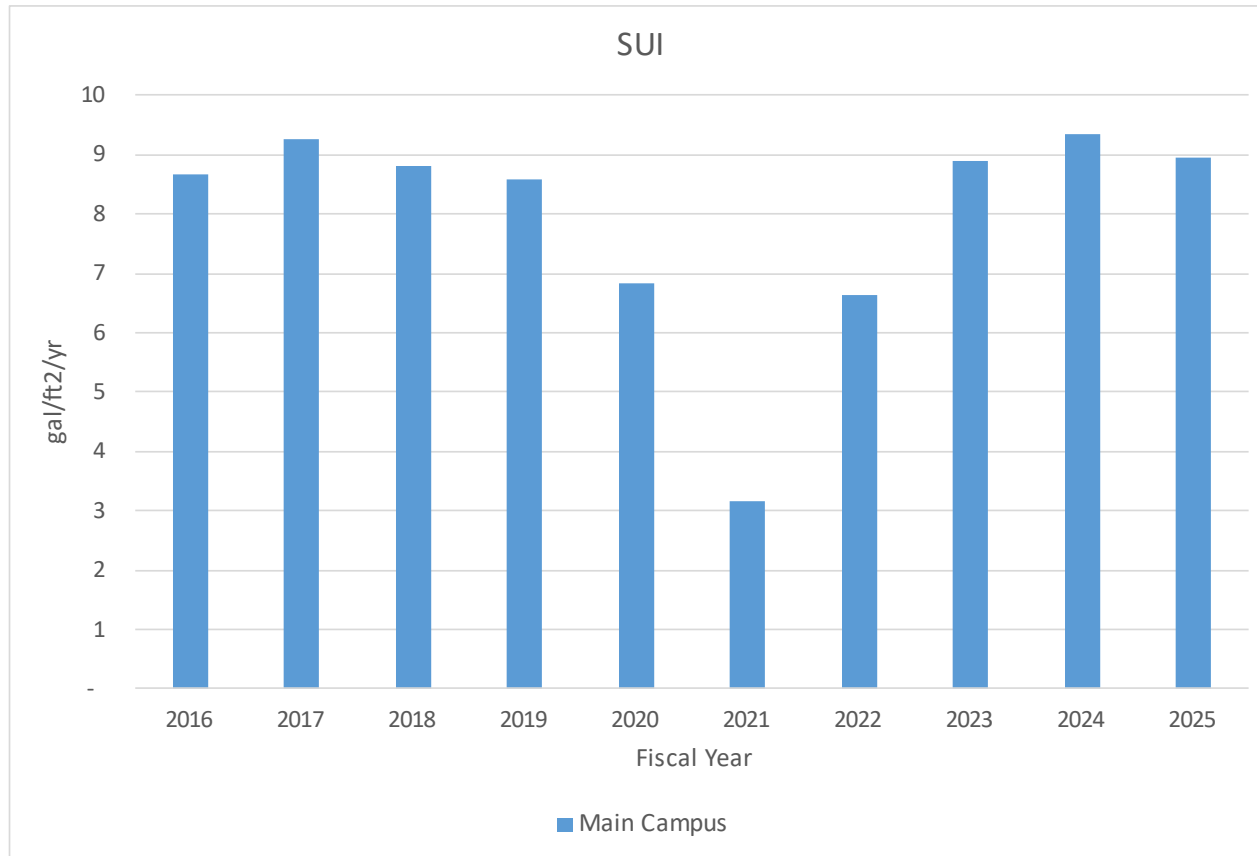
Water Use Intensity (WUI)

The national median WUI is 13.4 gal/ft²/yr, while UCSB's FY2025 values were 33.7 for the Main Campus and 33.9 for All Purchased Utilities. These higher-than-average values place UCSB between the 75th and 95th percentiles. However, this elevated usage is largely due to the presence of water-intensive research spaces, such as wet laboratories and vivariums. Over the past decade, WUI has generally remained consistent—aside from the reduced usage during the COVID period—returning to pre-pandemic levels by FY2022.



Sewer Use Intensity (SUI)

Sewer Use Intensity (SUI) does not have a nationally recognized benchmark, but UCSB tracks it to monitor trends over time. Excluding the pandemic years, SUI has been relatively stable, with FY2025 Main Campus SUI at 8.9 gal/ft²/yr.



UCSB Commitment to Sustainability and Energy Efficiency

A reliable utility infrastructure is essential to supporting UCSB's academic programs, advanced research, and athletic and recreational programs. Facilities Management remains committed to delivering high-quality service while advancing the university's sustainability goals. Over the past 10 years, UCSB has implemented a range of energy conservation and efficiency initiatives aimed at reducing environmental impact and operating costs. Below, we detail activities and key actions that continue to have a lasting impact.

Efficiency and Sustainability Activities

Higher Education Efficiency Performance (HEEP) Program⁵ (2024–Present)

UCSB has been participating in Southern California Edison's Strategic Energy Management (SEM) program, known as HEEP. The program is a utility-sponsored initiative that helps large energy users build internal capacity for continuous improvement through low- and no-cost operational changes rather than capital projects. CLEAResult, the program implementer, provides engineering assistance to identify efficiency opportunities, develops an energy consumption model for the site, and verifies savings through a formal measurement and verification process. Participation is free for UCSB, with cash incentives paid based on verified energy savings.

CLEAResult reviewed UCSB's building management system (BMS) to develop an initial list of efficiency opportunities, which was refined during a site visit on December 11–12, 2024. Identified opportunities are tracked in an Opportunity Register, a living document that FM staff update throughout the year with implementation status and notes. Facilities Management (FM) implemented 61 energy performance improvement actions (EPIAs) across laboratories, academic buildings, and recreation facilities during Program Year 1. FM also identified additional EPIAs independently through ad hoc site visits and automated fault notifications generated by SkySpark⁶ software. Year 1 approved savings and incentive amounts are given in the following table:

HEEP Program Year 1 Approved Savings and Incentive	
Electricity savings	614,741.82 kWh/yr
Natural gas savings	19,669.91 therms/yr
Peak demand reduction	78.21 kW
Total SCE incentive earned	\$26,376.23
Annual Avoided Cost Savings ⁷	\$103,423.12/yr

⁵ <https://www.clearesult.com/us/programs/the-heep-program>

⁶ <https://skyfoundry.com>

⁷ Based on FY2025 Main Campus unit costs for electricity and natural gas.

Note:

- The HEEP program year runs November through October, rather than UCSB's July–June fiscal year. Program Year 1 covered November 1, 2024 through October 31, 2025.
- UCSB continues to participate in HEEP, and will report Program Year 2 results in next year's report.

Examples of completed EPIAs include:

- optimizing HVAC scheduling to match building occupancy
- implementing supply air temperature resets per ASHRAE Guideline 36
- commissioning economizers
- repairing leaking hot water and chilled water valves

The entire table of completed EPIAs is given in the Appendix, see HEEP Opportunity Register – Program Year 1.

Clean Energy Master Plan (October 2024)

UCOP provided funding for each campus to conduct a decarbonization study, known as the Clean Energy Master Plan. This study defines a strategy for 90% reduction in Scope 1 greenhouse gas emissions by 2045, relative to 2019 levels. The plan is available at: <https://decarbonization.ucsb.edu/clean-energy-master-plan>

Clean Energy Optimization Pilot (2018–2024)

One major initiative was the Clean Energy Optimization Pilot (CEOP)⁸, which ran from 2018 to 2024. Through CEOP, UCSB achieved greenhouse gas emissions reductions totaling 4,353 metric tons of CO₂ equivalent. Projects implemented under the program included lighting and building controls upgrades, replacement of outdated lab equipment, and the installation of a pool cover to reduce heating demands. Implemented projects can be found in the Project List section of the Appendix.

Efficiency and Sustainability Activities – Prior to 2021

- Demand Response:
 - The campus's Automated Demand Response project was implemented to give Southern California Edison the ability to dispatch over one megawatt of load reduction on campus to mitigate supply constraints on the regional electrical grid.
- Carbon Free Power:
 - UCSB joined the UC Wholesale Power Program in 2020. Main Campus power supply is carbon-free as of 2021.

⁸ <https://etcc-ca.com/sites/default/files/u2292/3 - public sector - david phillips - final.pdf>
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Appendix

Contacts

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HEEP Opportunity Register – Program Year 1

ID#	Project ID	Event Description	Date Completed
1	OR-37	Bldg 266 - Adjust lab exhaust fan minimum speeds (2 fans)	12/6/2024
2	OR-6	Bldg 226 - Commission DSP reset - AHU1	12/18/2024
3	OR-35	Bldg 515 - Interlock 31 VAVs to upstream AHU-8	1/2/2025
4	OR-38	Bldg 266 - Adjust lab exhaust fan minimum speeds (8 fans)	1/3/2025
5	OR-1	Bldg 571 - Open triple-duty balancing valves to 100%	1/8/2025
6	OR-41	Bldg 521 - Repair hot water valve - AHU-2	1/16/2025
7	OR-36	Bldg 243 - Convert 3-way CHW valve to 2-way on Arcade VAVs	1/21/2025
8	OR-26	Bldg 276 - Replaced return air temp sensor on AHU-L1	2/5/2025
9	OR-11	Bldg 525 - Tighten AHU scheduling - B-01	2/11/2025
10	OR-23	Bldg 225 - Replace hot/chilled water valves - AHU1	2/20/2025
11	OR-24	Bldg 225 - Fix leaking chilled water valve on - AHU2	1/24/2025
12	OR-27	Bldg 276 - Fix leaking chilled water valve on AHU-L2	2/26/2025
13	OR-40	Bldg 552 - Remove overrides on AHU-1 and AHU-2	2/28/2025
14	OR-20	Bldg 521 - Fix leaking hot water valves on AHU 1 & 3	3/4/2025
15	OR-39	Bldg 225 - Adjust heating setpoints - AHU-1 and AHU-2	3/4/2025
16	OR-21	Bldg 521 - Tune PI loop on supply air temp controls - AHUs 1-5	3/7/2025
17	OR-16	Bldg 235 - Fix leaking hot/cold water valves - S1	3/15/2025
18	OR-14	Bldg 525 - Commission economizer AH-1	3/26/2025
19	OR-12	Bldg 525 - Commission DSP reset - B-01	3/31/2025
20	OR-15	Bldg 525 - Commission economizer AH-4	3/31/2025
21	OR-5	Bldg 251 - Implement DA reset on AHUs - B1 & R1	5/16/2025
22	OR-7	Bldg 226 - Adjust exhaust fan control scheme - EF1 & EF2	5/21/2025
23	OR-8	Bldg 521 - Adjust AHU holiday scheduling - AHU 4 & 5	5/27/2025
24	OR-9	Bldg 521 - Adjust AHU overnight scheduling - AHU-3	5/27/2025
25	OR-3	Bldg 251 - Schedule AHUs - B1 & R/S1	6/11/2025
26	OR-47	Bldg 505 - Fix CO2 sensor on AHU-SE	6/23/2025
27	OR-17	Bldg 235 - Commission economizer - S3	6/25/2025
28	OR-49	Bldg 571 - AHU blower maintenance - AHU-S2	7/1/2025
29	OR-18	Bldg 235 - Implement supply air reset on S1/S2/S3	7/21/2025

30	OR-13	Bldg 525 - Commission economizer B-01	8/12/2025
31	OR-52	Bldg 521 - Replace broken chilled water valve - AHU-1	8/14/2025
32	OR-102	Bldg 266 - Fix outdoor air humidity sensors - AHUs 1-3	8/19/2025
33	OR-54	Bldg 657 - Updated hot water reset controls	8/21/2025
34	OR-46	Aquatics center - replace pool cover and require use	8/22/2025
35	OR-58	Bldg 552 - Repair cold deck damper	8/22/2025
36	OR-56	Bldg 552 - Adjust hot/cold deck temp resets	8/26/2025
37	OR-59	Bldg 533 - Lockout heating hot water based on outside air	8/26/2025
38	OR-60	Bldg 533 - Apply outside air temp reset to dual duct AHU	8/26/2025
39	OR-64	Bldg 556 - Adjust hot/cold deck temp resets, AHU 1 through 4	8/26/2025
40	OR-71	Bldg 552 - Adjust damper & fan speed programming on AHU S1/2	9/4/2025
41	OR-72	Bldg 556 - Resolve faulty damper operation - AH-4	9/4/2025
42	OR-50	Bldg 571 - AHU blower maintenance - AHU-S1	9/15/2025
43	OR-63	Bldg 552 - Repair leaking hot water valve on AHU S-1	9/16/2025
44	OR-78	Bldg 226 - Update chilled water coil programming - FCU 3-3	9/16/2025
45	OR-91	Bldg 556 - Schedule AHU1 and AHU 3	9/17/2025
46	OR-53	Bldg 521 - Replace broken HHW valve - AHU-2	9/23/2025
47	OR-70	Bldg 525 - Update AHU schedule to match operating hours	9/25/2025
48	OR-48	Bldg 517 - Commission chilled water valve and sensors - AHU-1	9/29/2025
49	OR-112	Bldg 520 - Program supply air temp reset - AHU S-1	10/1/2025
50	OR-30	Bldg 551 - Replace windows	10/6/2025
51	OR-66	Bldg 235 - Lower outside air temp lockout setpoint	10/6/2025
52	OR-67	Bldg 544 - Lower outside air temp lockout setpoint	10/6/2025
53	OR-100	Bldg 556 - Commission economizers on AHU 3 & 4	10/6/2025
54	OR-114	Bldg 544 - Replace broken DAT sensor - AHU S-4	10/6/2025
55	OR-116	Bldg 544 - Tune supply air temperature control - AHU1	10/8/2025
56	OR-115	Bldg 235 - Replace leaking hot water valve - AHU S2	10/14/2025
57	OR-25	Bldg 275 - Fix return air flow sensors on AHUs G1/G2/G3	10/16/2025
58	OR-65	Bldg 520 - Lower outside air temp lockout setpoint	10/17/2025
59	OR-113	Bldg 544 - Schedule AHUs S1 through S4	10/17/2025
60	OR-80	Bldg 557 - Recalibrate supply air temp sensor - AHU1	10/28/2025
61	OR-81	Bldg 557 - Recalibrate supply air temp sensor - AHU2	10/28/2025

CEOP Projects

Project List

- **Year 1:**
 - Recreation Center Boiler Efficiency Upgrade
 - MBCx Broida
 - MBCx Engineering II
 - BAS Controls Upgrades
 - Building 479 Pool Covers
 - Campbell Hall Lighting
 - Lotte Lehmann Lighting
 - State Lighting Phase I
- **Year 2:**
 - State Lighting Phase II
 - Lab Equipment Replacement
 - BAS Controls Upgrades
- **Year 3:**
 - BAS Controls Upgrades
 - State Lighting Phase II
- **Year 4:**
 - Controls Upgrades
 - ESDVR CNSI/Bren Hall

10 Year Use and Cost Tables

The spreadsheet below contains 10 years of cost, use, and unit cost data for all utilities.

Cost (\$)																
Fiscal Year	Electric		Natural Gas		Reclaimed Water		Sewer		Solar PV		Water		Electric and Solar		Total	
	Main Campus	Total	Main Campus	Total	Main Campus	Total	Main Campus	Total	Main Campus	Total	Main Campus	Total	Main Campus	Total	Main Campus	Total
2016	\$ 7,934,821	\$ 8,203,425	\$ 1,095,665	\$ 1,369,861	\$ 250,750	\$ 294,085	\$ 206,303	\$ 568,331	\$ -	\$ -	\$ 1,694,730	\$ 2,291,083	\$ 7,934,821	\$ 8,203,425	\$ 11,182,270	\$ 12,726,786
2017	\$ 6,962,264	\$ 7,308,412	\$ 1,296,413	\$ 1,750,069	\$ 254,545	\$ 298,375	\$ 274,937	\$ 854,912	\$ 262,578	\$ 262,578	\$ 1,837,519	\$ 2,468,612	\$ 7,224,842	\$ 7,570,990	\$ 10,888,256	\$ 12,942,958
2018	\$ 7,115,498	\$ 7,523,655	\$ 1,241,152	\$ 1,655,407	\$ 263,954	\$ 308,135	\$ 228,992	\$ 833,707	\$ 752,016	\$ 752,016	\$ 2,029,275	\$ 2,823,195	\$ 7,867,514	\$ 8,275,671	\$ 11,630,887	\$ 13,896,115
2019	\$ 7,089,535	\$ 7,510,283	\$ 1,580,341	\$ 2,024,885	\$ 260,205	\$ 307,723	\$ 234,397	\$ 604,287	\$ 962,970	\$ 962,970	\$ 1,954,451	\$ 2,840,433	\$ 8,052,506	\$ 8,473,253	\$ 12,081,899	\$ 14,250,580
2020	\$ 6,886,297	\$ 7,377,699	\$ 1,306,484	\$ 1,787,004	\$ 269,382	\$ 319,891	\$ 184,097	\$ 1,038,432	\$ 1,170,510	\$ 1,170,510	\$ 1,286,366	\$ 1,950,630	\$ 8,056,807	\$ 8,548,209	\$ 11,103,137	\$ 13,644,165
2021	\$ 6,556,420	\$ 7,066,367	\$ 1,532,756	\$ 1,946,412	\$ 332,789	\$ 392,768	\$ 135,955	\$ 986,752	\$ 1,143,984	\$ 1,143,984	\$ 1,118,870	\$ 1,668,110	\$ 7,700,404	\$ 8,210,351	\$ 10,820,773	\$ 13,204,393
2022	\$ 9,435,357	\$ 9,974,247	\$ 2,358,757	\$ 3,092,679	\$ 364,447	\$ 432,141	\$ 243,242	\$ 1,043,187	\$ 1,150,121	\$ 1,150,121	\$ 1,758,986	\$ 2,646,857	\$ 10,585,478	\$ 11,124,368	\$ 15,310,910	\$ 18,339,233
2023	\$ 10,783,687	\$ 11,341,175	\$ 4,021,776	\$ 5,126,069	\$ 373,345	\$ 441,621	\$ 242,489	\$ 1,068,154	\$ 1,025,853	\$ 1,025,853	\$ 1,849,387	\$ 2,774,831	\$ 11,809,540	\$ 12,367,028	\$ 18,296,537	\$ 21,777,704
2024	\$ 12,043,542	\$ 12,716,347	\$ 1,854,318	\$ 2,497,379	\$ 402,337	\$ 472,847	\$ 566,013	\$ 1,517,617	\$ 1,017,979	\$ 1,017,979	\$ 2,115,052	\$ 3,156,217	\$ 13,061,521	\$ 13,734,326	\$ 17,999,241	\$ 21,378,388
2025	\$ 12,565,674	\$ 13,352,752	\$ 1,611,363	\$ 2,217,092	\$ 438,629	\$ 520,119	\$ 791,297	\$ 1,920,044	\$ 821,250	\$ 821,250	\$ 2,362,169	\$ 3,536,916	\$ 13,386,924	\$ 14,174,002	\$ 18,590,382	\$ 22,368,173
TOTALS	\$ 87,373,097	\$ 92,374,363	\$ 17,899,025	\$ 23,466,859	\$ 3,210,383	\$ 3,787,705	\$ 3,107,721	\$ 10,435,422	\$ 8,307,260	\$ 8,307,260	\$ 18,006,805	\$ 26,156,884	\$ 95,680,357	\$ 100,681,623	\$ 137,904,291	\$ 164,528,494
Utility Use																
Fiscal Year	Electric (kWh)		Natural Gas (therms)		Reclaimed Water (ccf)		Sewer (Kgal)		Solar PV (kWh)		Water (ccf)		Electric and Solar (kWh)			
	Main Campus	Total	Main Campus	Total	Main Campus	Total	Main Campus	Total	Main Campus	Total	Main Campus	Total	Main Campus	Total		
2016	89,994,784	91,966,005	2,683,054	3,006,225	92,953	98,466	53,460		-	-	205,407	268,283	89,994,784	91,966,005		
2017	87,937,725	90,088,332	2,953,839	3,473,599	80,094	85,263	57,150		2,206,539	2,206,539	215,673	275,351	90,144,264	92,294,871		
2018	84,791,213	86,987,727	2,882,358	3,410,241	80,962	86,573	54,220		6,999,413	6,999,413	229,491	305,586	91,790,626	93,987,140		
2019	84,019,075	86,258,267	2,942,441	3,500,311	61,608	67,393	52,860		8,883,064	8,883,064	224,365	321,791	92,902,139	95,141,331		
2020	76,888,389	78,896,194	2,776,296	3,330,752	63,760	69,648	42,040		10,840,380	10,840,380	193,513	283,019	87,728,769	89,736,574		
2021	67,986,805	69,676,656	2,478,415	2,932,180	84,307	94,067	19,490		10,594,403	10,594,403	138,943	201,494	78,581,208	80,271,060		
2022	74,992,947	77,283,841	2,685,740	3,230,627	88,481	99,217	40,890		10,651,918	10,651,918	196,161	306,182	85,644,865	87,935,759		
2023	77,721,831	80,005,895	2,873,912	3,467,361	64,915	72,985	54,890		9,533,018	9,533,018	195,619	303,911	87,254,849	89,538,913		
2024	78,299,128	81,256,997	2,620,047	3,147,946	61,657	69,166	57,590		9,529,198	9,529,198	206,027	310,205	87,828,326	90,786,195		
2025	77,658,704	80,448,739	2,835,080	3,319,064	65,475	73,898	55,020		8,964,116	8,964,116	211,505	329,386	86,622,821	89,412,856		
TOTALS	800,290,601	822,868,655	27,731,183	32,818,305	744,211	816,676	487,610	-	78,202,049	78,202,049	2,016,704	2,905,208	878,492,650	901,070,704		
Unit Cost																
Fiscal Year	Electric (\$/kWh)		Natural Gas (\$/therms)		Reclaimed Water (\$/ccf)		Sewer (\$/Kgal)		Solar PV (\$/kWh)		Water (\$/ccf)		Electric and Solar (kWh)			
	Main Campus	Total	Main Campus	Total	Main Campus	Total	Main Campus	Total	Main Campus	Total	Main Campus	Total	Main Campus	Total		
2016	\$ 0.09	\$ 0.09	\$ 0.41	\$ 0.46	\$ 2.70	\$ 2.99	\$ 3.86				\$ 8.25	\$ 8.54	\$ 0.09	\$ 0.09		
2017	\$ 0.08	\$ 0.08	\$ 0.44	\$ 0.50	\$ 3.18	\$ 3.50	\$ 4.81		\$ 0.12	\$ 0.12	\$ 8.52	\$ 8.97	\$ 0.08	\$ 0.08		
2018	\$ 0.08	\$ 0.09	\$ 0.43	\$ 0.49	\$ 3.26	\$ 3.56	\$ 4.22		\$ 0.11	\$ 0.11	\$ 8.84	\$ 9.24	\$ 0.09	\$ 0.09		
2019	\$ 0.08	\$ 0.09	\$ 0.54	\$ 0.58	\$ 4.22	\$ 4.57	\$ 4.43		\$ 0.11	\$ 0.11	\$ 8.71	\$ 8.83	\$ 0.09	\$ 0.09		
2020	\$ 0.09	\$ 0.09	\$ 0.47	\$ 0.54	\$ 4.22	\$ 4.59	\$ 4.38		\$ 0.11	\$ 0.11	\$ 6.65	\$ 6.89	\$ 0.09	\$ 0.10		
2021	\$ 0.10	\$ 0.10	\$ 0.62	\$ 0.66	\$ 3.95	\$ 4.18	\$ 6.98		\$ 0.11	\$ 0.11	\$ 8.05	\$ 8.28	\$ 0.10	\$ 0.10		
2022	\$ 0.13	\$ 0.13	\$ 0.88	\$ 0.96	\$ 4.12	\$ 4.36	\$ 5.95		\$ 0.11	\$ 0.11	\$ 8.97	\$ 8.64	\$ 0.12	\$ 0.13		
2023	\$ 0.14	\$ 0.14	\$ 1.40	\$ 1.48	\$ 5.75	\$ 6.05	\$ 4.42		\$ 0.11	\$ 0.11	\$ 9.45	\$ 9.13	\$ 0.14	\$ 0.14		
2024	\$ 0.15	\$ 0.16	\$ 0.71	\$ 0.79	\$ 6.53	\$ 6.84	\$ 9.83		\$ 0.11	\$ 0.11	\$ 10.27	\$ 10.17	\$ 0.15	\$ 0.15		
2025	\$ 0.16	\$ 0.17	\$ 0.57	\$ 0.67	\$ 6.70	\$ 7.04	\$ 14.38		\$ 0.09	\$ 0.09	\$ 11.17	\$ 10.74	\$ 0.15	\$ 0.16		
AVERAGE	\$ 0.11	\$ 0.11	\$ 0.65	\$ 0.71	\$ 4.46	\$ 4.77	\$ 6.33		\$ 0.11	\$ 0.11	\$ 8.89	\$ 8.94	\$ 0.11	\$ 0.11		