

July 2019 Brown Bag Lunch Presentations

Presentation 1: Building Operations Project Team

Presentation 2: Sustainable Buildings & The Climate Action Plan

Presentation 3: Building Services Floor Care Team

Presentation 4: Campus Bin Buddy Program Updates

Over or Under continued....



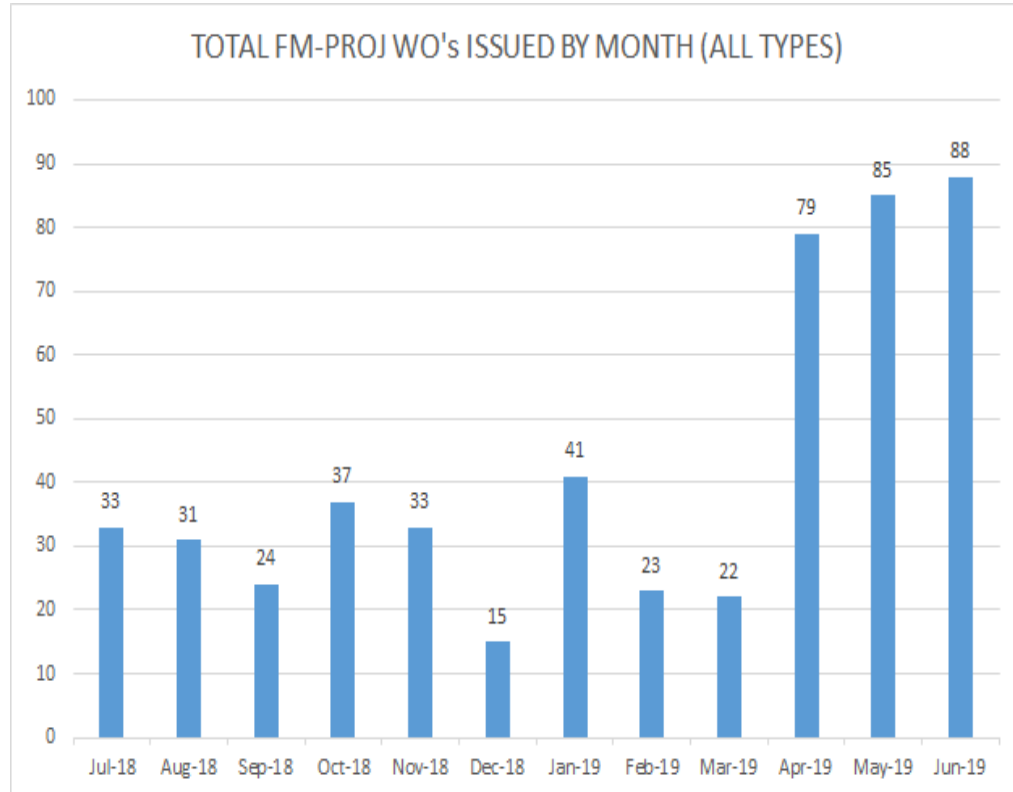
Building Operations Project Team

UC San Diego
FACILITIES MANAGEMENT

AGENDA

- What is the project team
- Why you would need us
- Maximizing your project
- Our guarantee

Recharge-Projects



COUNT OF SERV WOs ISSUED			
	FY1617	FY1718	FY1819
CRMS			1
ES-ACR	36	54	49
ES-CTRL	30	25	50
ES-ELEV	17	13	17
ES-GEN	281	178	181
ES-LGHT	97	152	133
FM-PROJ	N/A	226	502 *New shop
MT-EAST	130	0	3 *Old shop
MT-HVAC	7	113	128 *New shop
MT-PLUMB	39	239	284 *New shop
MT-SIO	95	86	92
MT-WEST	116	0	2 *Old shop
MT-ZONE	16	81	91 *New shop
TS-CARP	696	804	797
TS-LOCK	2104	2131	2170
TS-METAL	73	68	118
TS-PAINT	226	205	225
TS-ROOF	13	12	25
TS-SIGN	449	422	507
Grand Total	4425	4809	5375

What exactly Is the
PROJECT-TEAM?

Customer service



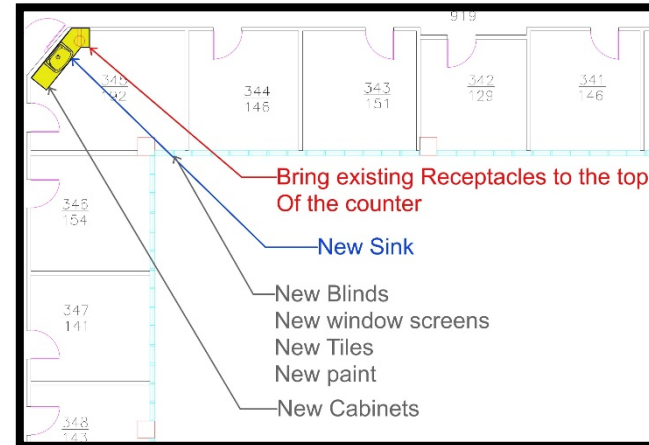
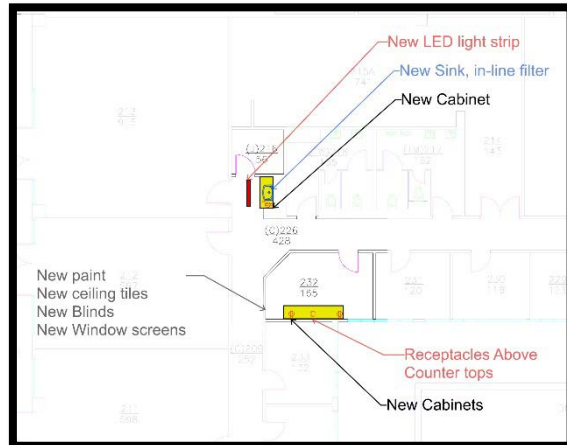
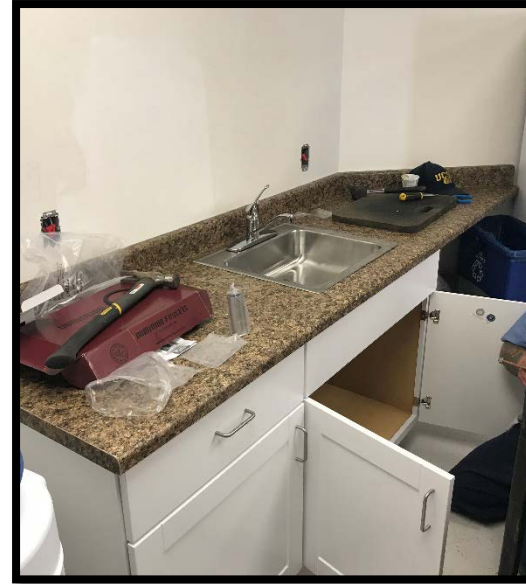
- Design
- Cost
- Manage
- Under 50k



Project-team

- Multi-trade
- One supervisor
- Night crew

Movement-to-improvement





Team members

- 3 Electricians
- 3 Plumbers
- 1 Carpenter
- 1 Painter
- 1 AC/R
- 4 SR BMW's



JOIN OUR TEAM

CURRENT OPENINGS

- **3 Electricians**
- **1 Painter**
- **1 SR BMW**



Speed & Budget

- Give detail
- Have a plan
- Redesign
- Pre plan



Our promise to you

- Highest quality
- Life time maintenance



Use the Project-Team

- If you have a project
- If you Want to plan a project
- Under 50k

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How to submit a Work Order

The screenshot shows the blink.ucsd.edu website. The main heading is "How to Request Facilities Management Services". Below the heading, it says "Learn the two ways you can request building alterations, repairs, maintenance, cleaning, landscape, sign fabrication services, or special refuse pickups." There are two main instructions: "If your request is urgent, call the Customer Relations help desk." and "If your request is not urgent, submit an online work request." A list of steps for non-urgent requests is provided: 1. Visit the FM customer portal. 2. Log in using your Single Sign-On account. 3. Click New Request at the top left of the web page. 4. Submit the completed form. For help, see How to Complete an Online Work Request (PDF). Below this, it says "From the list of your work orders on the main page of the portal, you can:" followed by a list: Check the status of a work order, Send and receive messages, and View billing information. At the bottom, it says "If you have difficulty, see Following up on Work Orders (PDF)." A green bar at the bottom of the page contains the text: "For more information, contact the Customer Relations help desk, (858) 534-2930."

• Work Service Center
(858) 534-2930

• FM customer portal:

<https://blink.ucsd.edu/sponsor/facilities-mgmt/request-services.html#If-your-request-is-not-urgent,->

Sustainable Buildings & The Climate Action Plan

UC San Diego

- Large research enterprise with 2 medical centers, over 900 wet labs
- Growing to over 65,000 daily population
- Adding over 8.5 million square feet
- House 40% of students now, going up to 65%

How do we do all of this sustainably?

7 Projects in Construction



14 Projects in Planning



UC San Diego

SUSTAINABILITY

- 3 staff, student interns and volunteers
- Under AVC Resource Management & Planning
- Advisory Committee on Sustainability (ACS)
- Collaborate across the university
 - Sustainability staff in other departments
 - Student organizations (ISC, ESW, USGBC, etc.)
 - Campus Committees (Open Space, C/CPC, etc.)
 - Staff organizations (SSN, Green Teams, etc.)
 - Faculty across campus (CER, USP, etc.)



We bring people together across disciplines and departments to infuse sustainability into everything the University does.

Teaching

Research

Engagement

Co-curricular learning

Operations



UC Sustainability Practices Policy



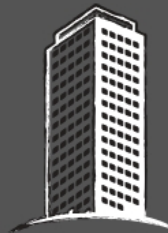
Carbon
Neutrality



Zero Waste



Water



Green Buildings



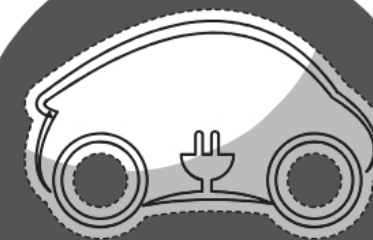
Procurement



Food



Clean
Energy



Alternative
Transportation

UC San Diego

SUSTAINABILITY

Path to Carbon Neutrality

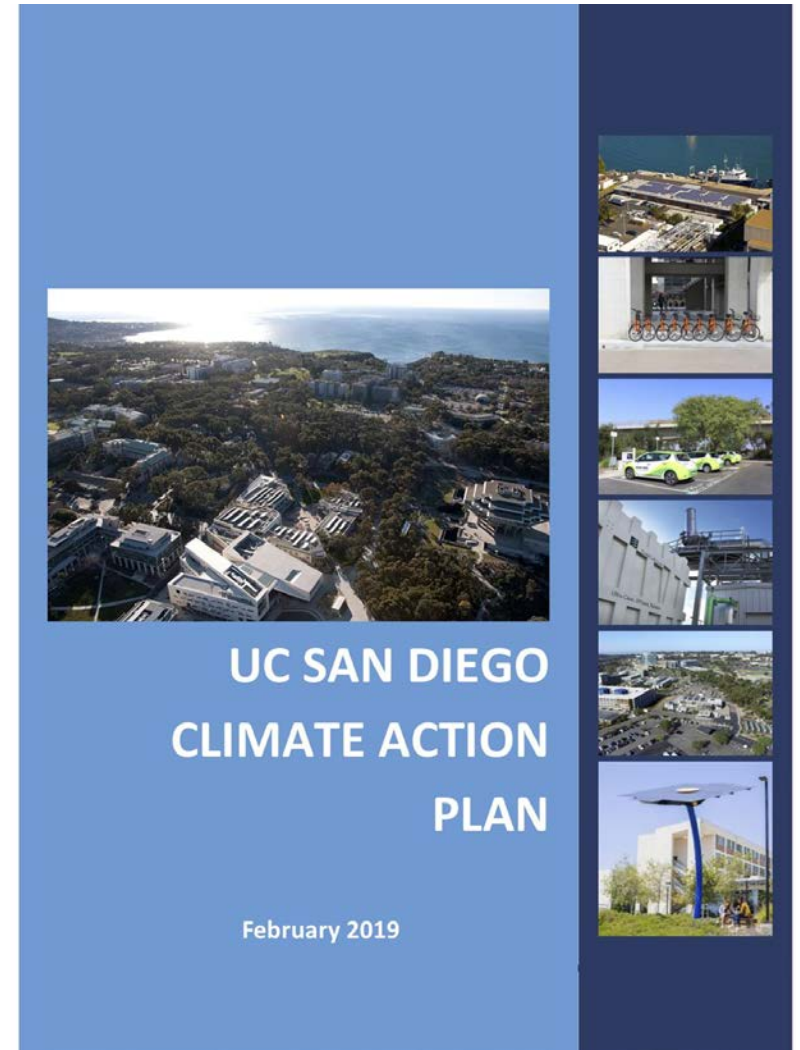
Ever-evolving

Forward-thinking

Living lab of sustainability

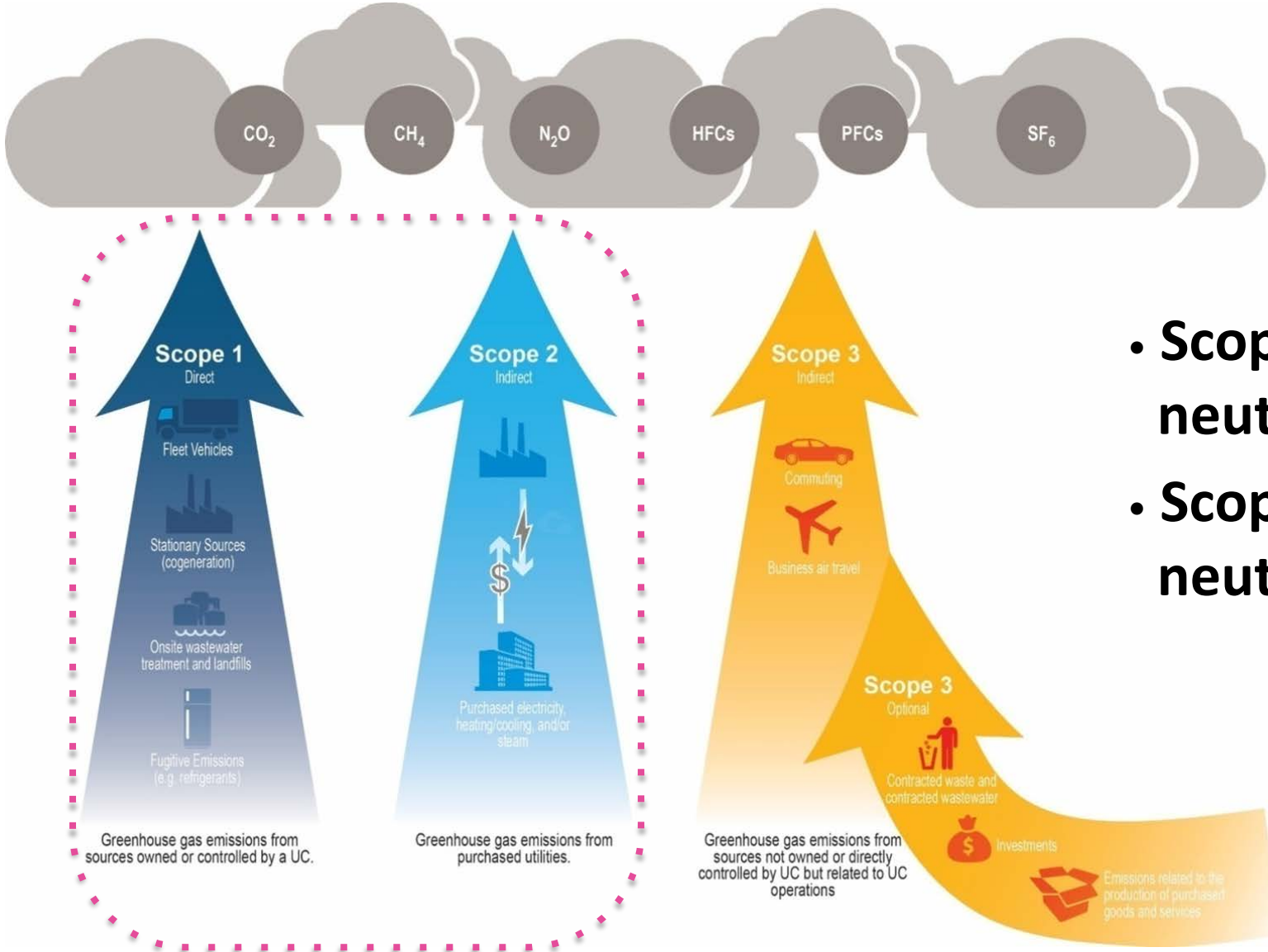
Inclusive of student learning

Financially sustainable



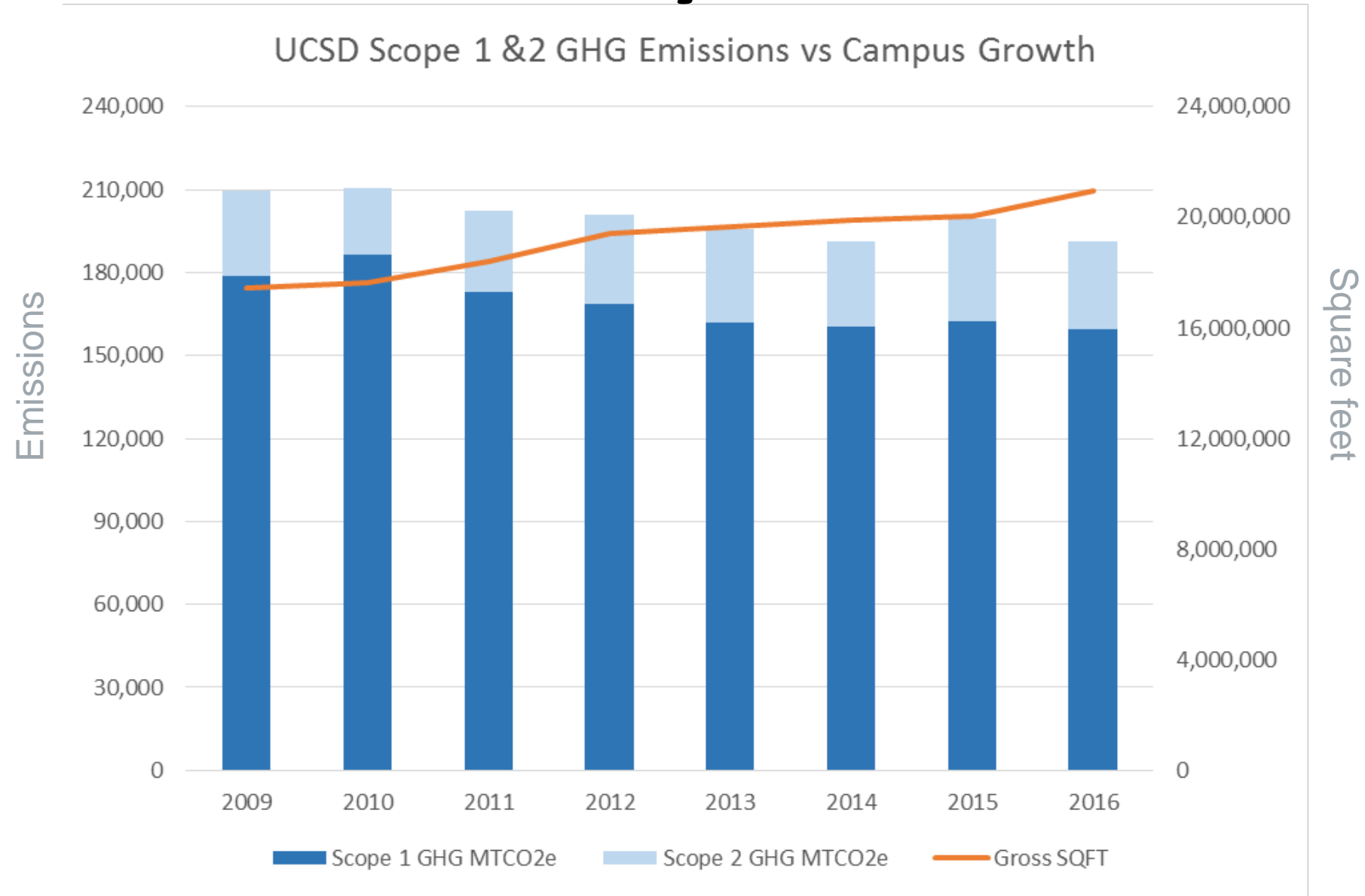
sustain.ucsd.edu/focus/cni.html

Carbon Neutrality Goals

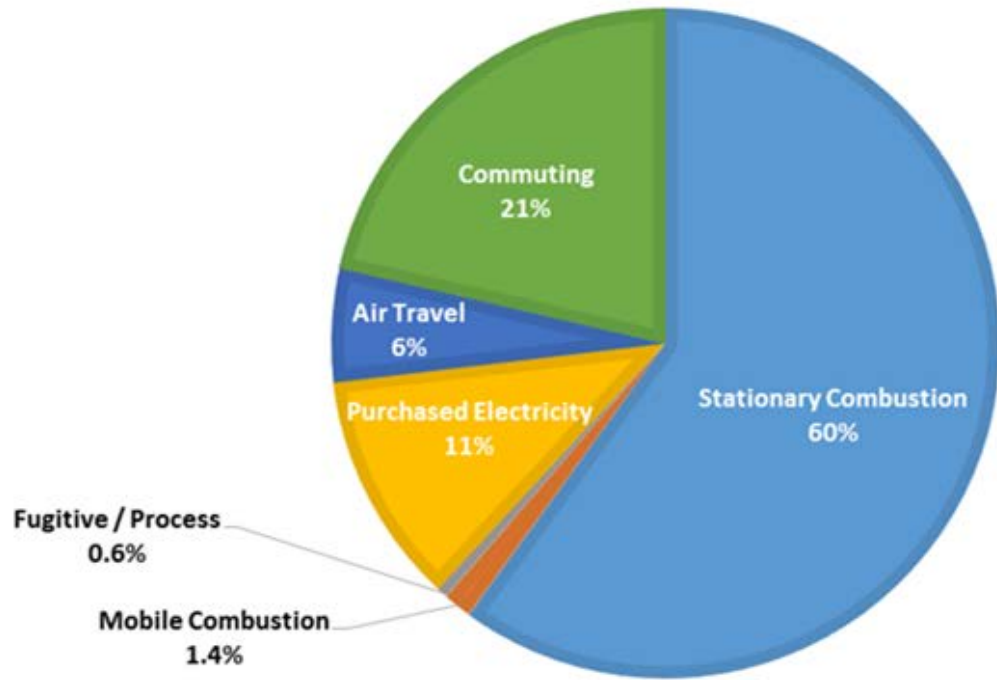


- **Scopes 1 and 2 neutrality by 2025**
- **Scopes 1, 2 and 3 neutrality by 2050**

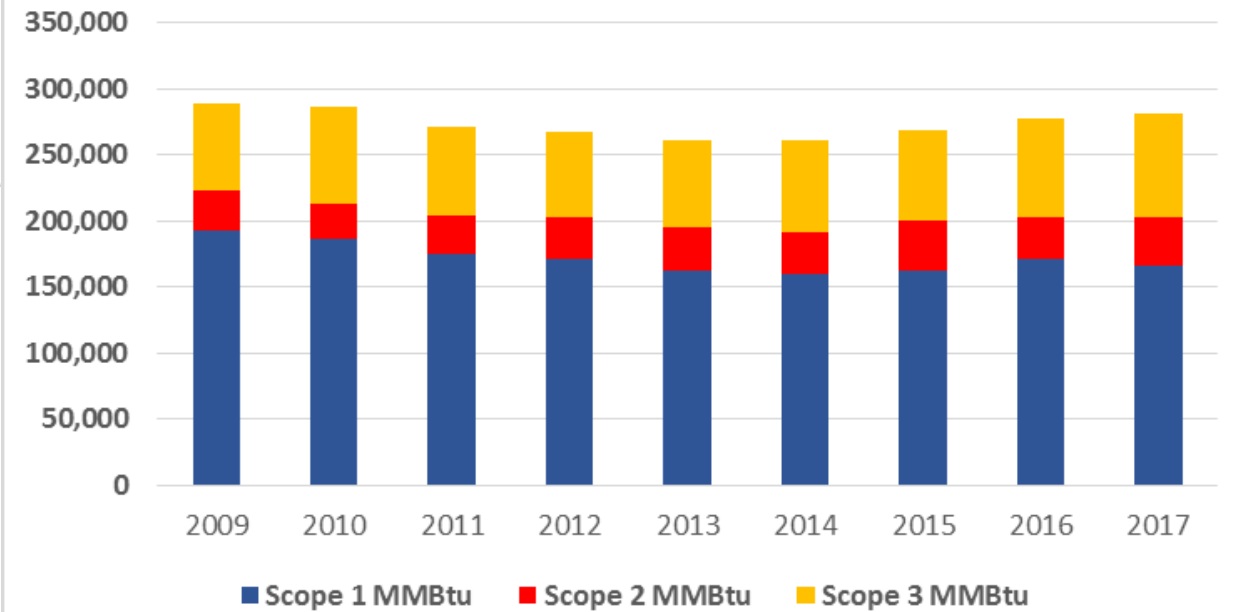
Where we are today



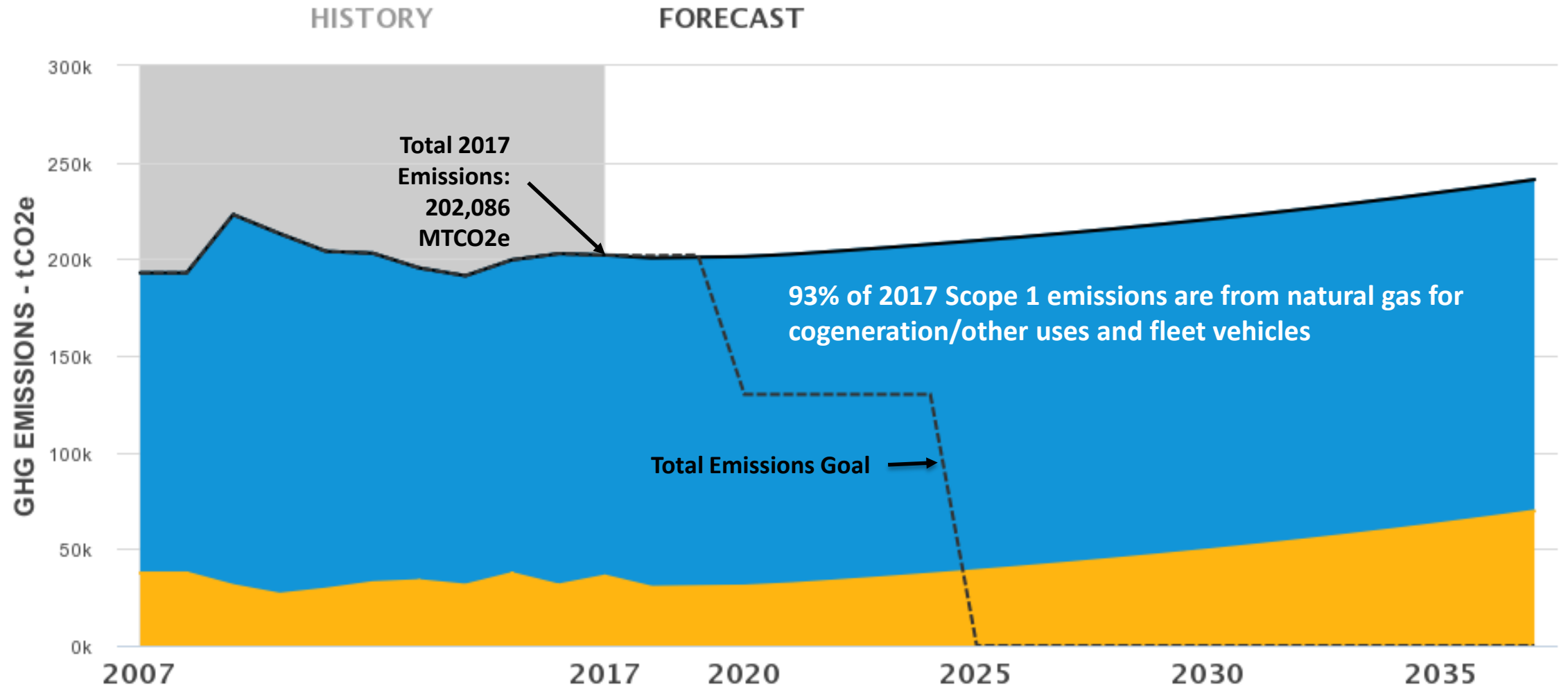
TOTAL EMISSIONS BY SOURCE



Total Emissions by Source



Business as Usual





UC SAN DIEGO CLIMATE ACTION PLAN

February 2019



Mitigation Strategies

- Existing Building Energy Efficiency Planning
- High Performance New Buildings (EUI targets)
- Renewable Energy (Onsite and UC ESU)
- Campus Fleet
- Commute Options
- Air Travel
- Space Utilization
- Behavior and Institutional Change
- Carbon Offsets

Scenario Analysis and Recommendations (Cogen)

Cogen scenarios

Around 2032, mix of options:

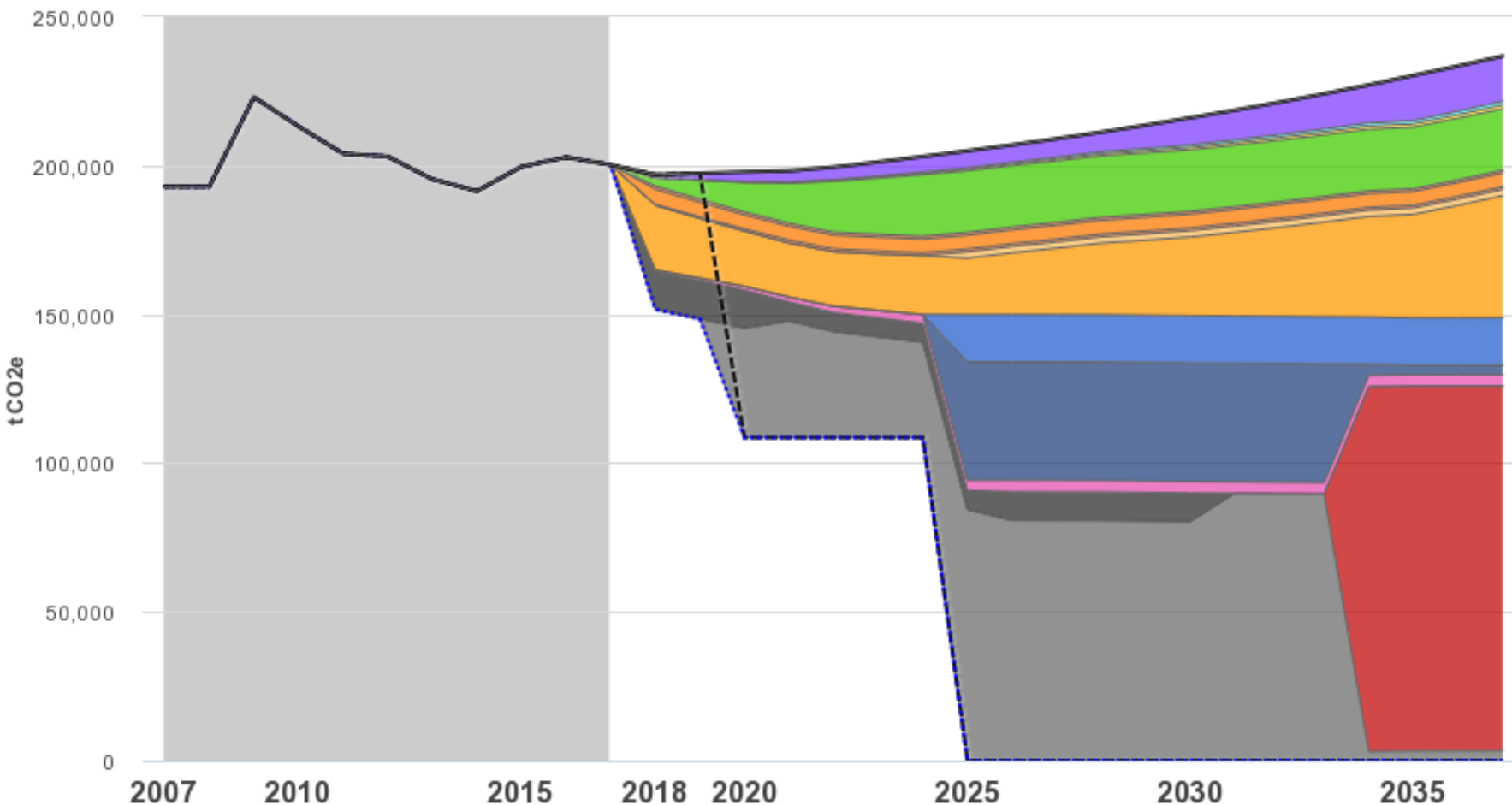
- Directed biogas: 10-40%
- Electrification (UC ESU)
- New technologies

Resiliency
Redundancy
Reliability
Safety
Affordability

Recommended Portfolio

History

Forecast

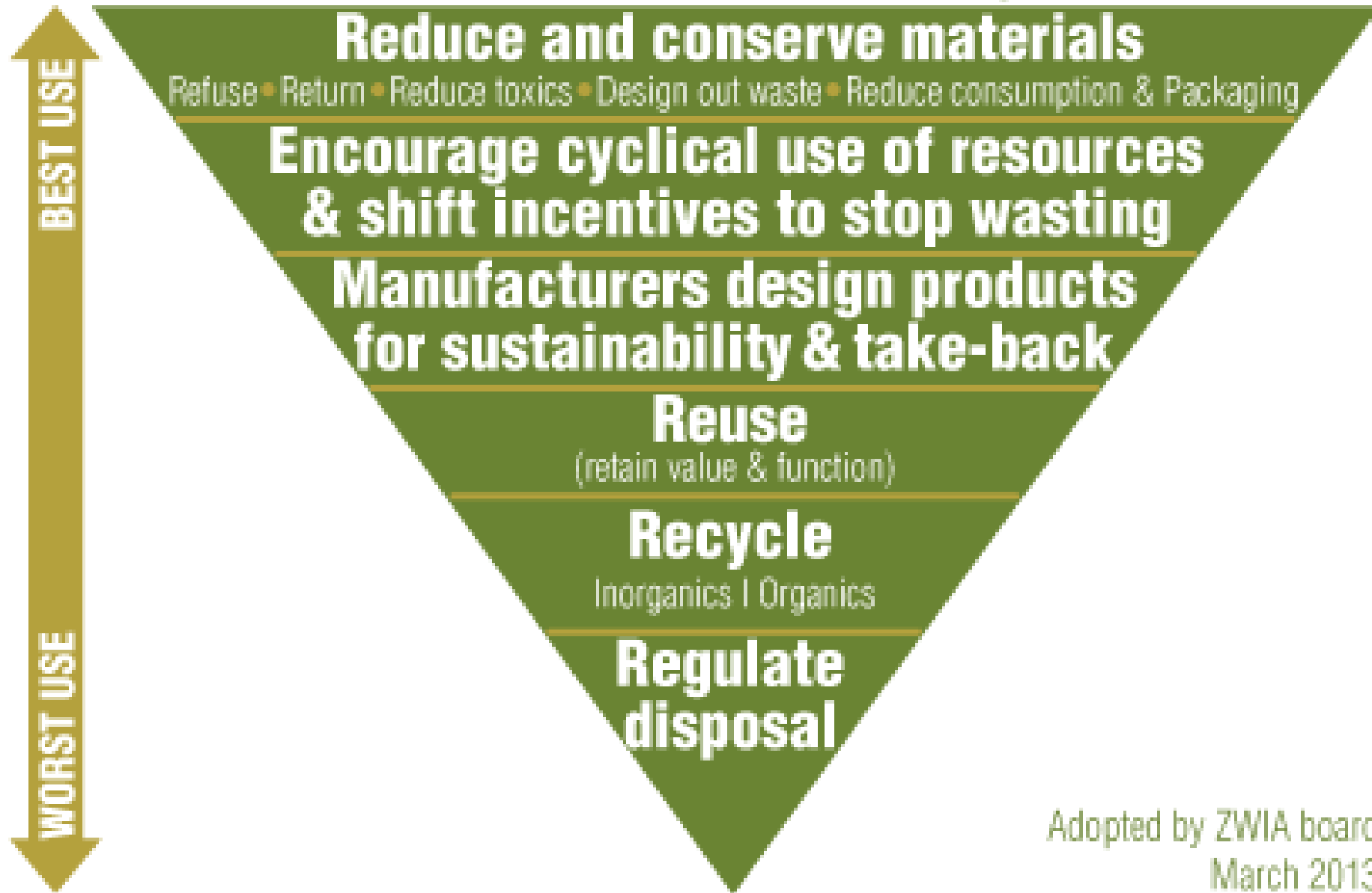


- Ref Case
- Portfolio
- GHG Reduction Target
- High Performance New Buildings
- Improved Space Utilization, Existing Buildings
- Behavior and Institutional Change
- 5-year energy efficiency plan
- Continue Operation of onsite PV
- Operate on-campus fuel cell
- New Onsite PV
- Install Small Scale Distributed Generation
- UCOP: Wholesale Power Program
- UCOP: Biomethane Existing Contracts
- UCOP: Biomethane New Contracts
- Fleet Conversion to 90% Alt. Fuel
- AB 32 Offsets
- Decarbonize Campus Cogen Plant
- Unspecified Offsets

Sustainable Building Policy

- Sustainable Buildings Policy that includes environmental and human health and wellness
- Sustainable Buildings Guidelines with training for key staff
- Sustainability incorporation into contracts and leases
- Metrics to measure progress
- Guidance to help pick the right design and build teams
- Student learning opportunities

Zero Waste Hierarchy



Adopted by ZWIA board
March 2013

Zero Waste Goals

Reduction

Reduce waste generation per capita to:

- FY2015/16 levels by 2020
- 25% per capita from FY2015/16 levels by 2025
- 50% per capita from FY2015/16 levels by 2030



Diversion

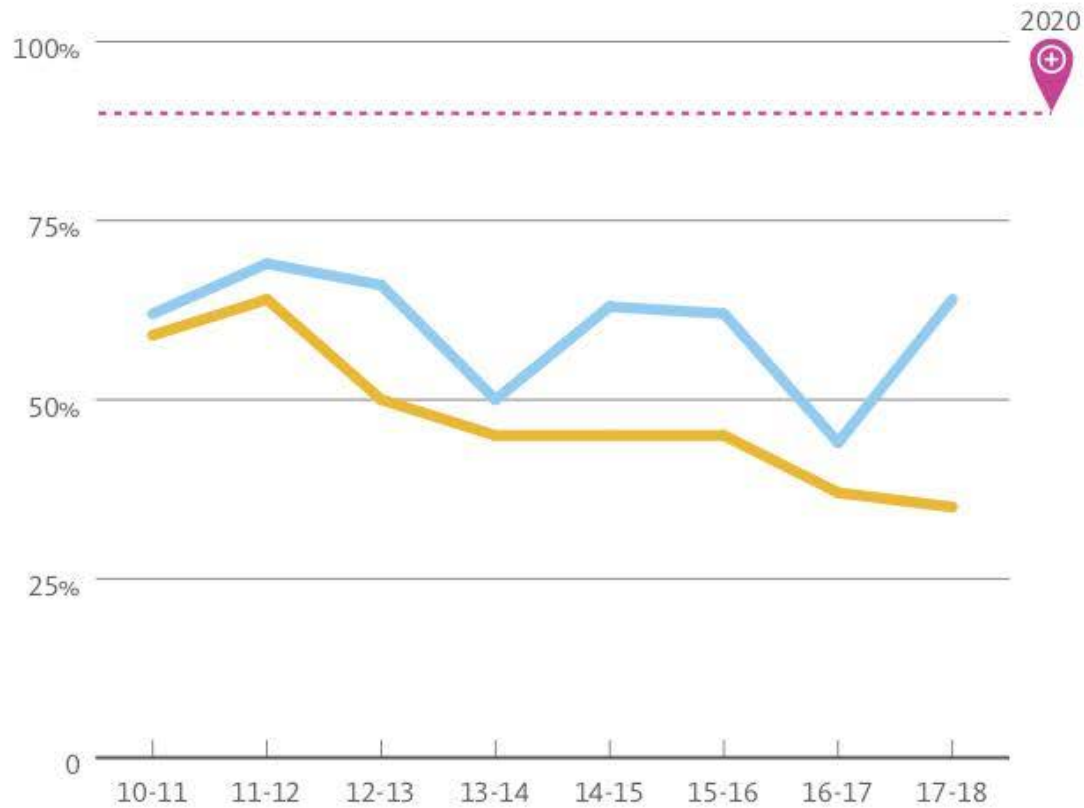
- 90% diversion of municipal solid waste from landfill



Foam Ban

- By 2018, no foam shall be used in food service facilities for takeaway containers.
- By 2020, prohibit the sale, procurement or distribution of foam other than that utilized for laboratory supply or medical packaging and products.

SOLID WASTE DIVERTED FROM LANDFILL



● Without construction and demolition

● With construction and demolition

Goal:

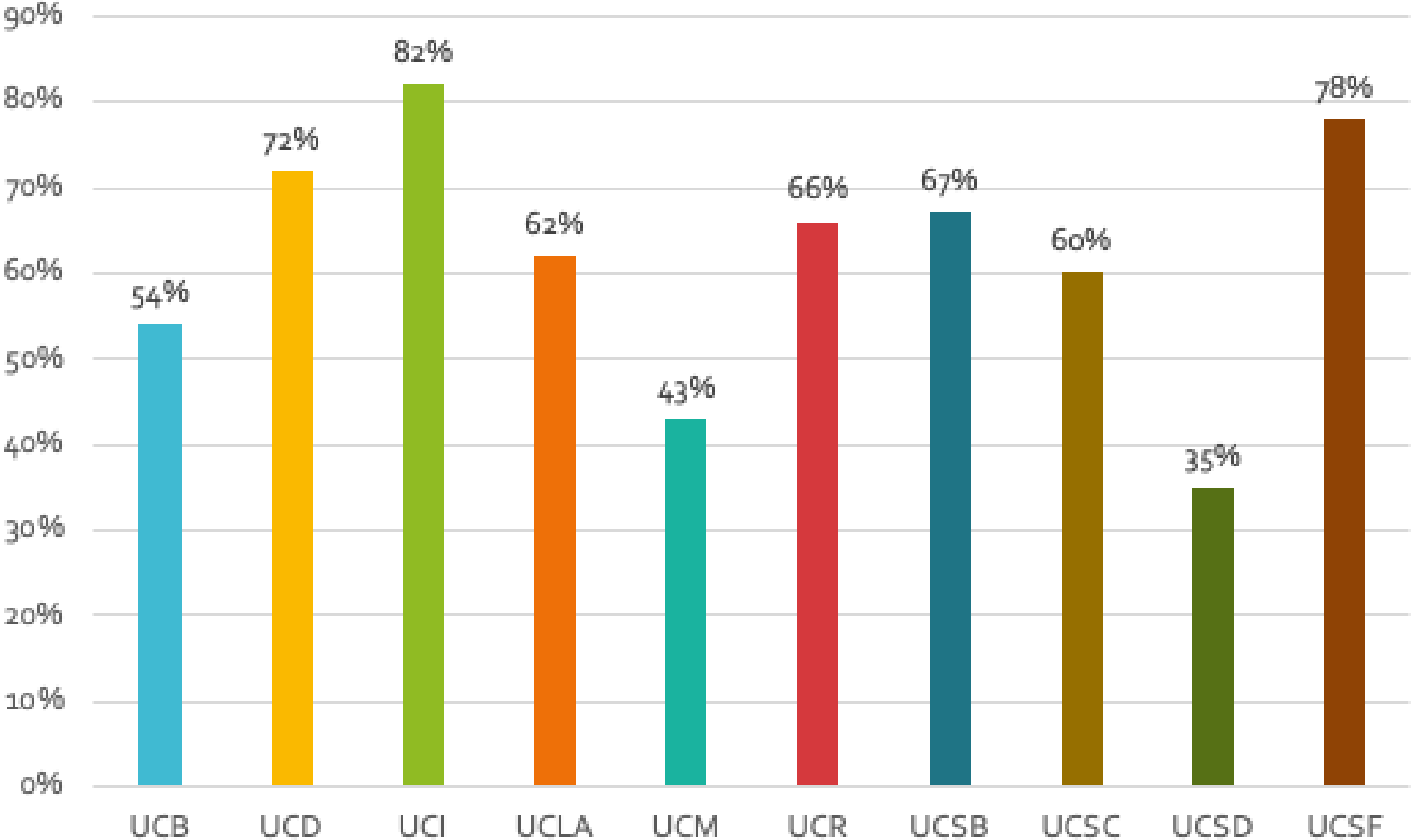
Zero waste by 2020

Progress:

UC San Diego is in the process of updating its zero waste plan and strategies, from improving the accuracy of data reporting to expanding training and outreach.

2017-18 lbs per capita per day: 1.31

FY18 Diversion Rates w/o C+D



Zero Waste

- University-wide working group and plan
- Reduction and reuse
- New hauler
- Standardized colors and signage
- Training, education and outreach
- New: green event standards, composting, etc.



**....but we
need *YOUR*
help to meet
our goals!**

- Carpool, bike, walk and take transit
- Drive an electric vehicle
- Follow @SustainUCSD on social media
- Give up meat once/week
- Green your office and lab
- Go digital and print smart
- Host a green event
- Recycle
- Report water leaks
- [Sign up](#) for the Sustainability newsletter
- Turn off and unplug
- Use reusables (mugs, water bottles, utensils, etc.)
- Use Surplus Sales
- Visit the Sustainability Resource Center



STAFF
SUSTAINABILITY
NETWORK



UC SAN DIEGO
SUSTAINABILITY
AMBASSADORS



INTER SUSTAINABILITY
COUNCIL



THE 8TH ANNUAL
SUSTAINABILITY
AWARDS



WE ARE HERE

SUSTAINABILITY RESOURCE CENTER (SRC)

M-F 9 AM - 4:30 PM
*(OR BY RESERVATION, EXCLUDING
UNIVERSITY HOLIDAYS)*

SUMMER HOURS: 9 AM - 3 PM



PRICE CENTER
THEATER

ROUNDTABLE
PIZZA

BOX THE JAMBA
OFFICE ZONE JUICE

PRICE CENTER
PLAZA

PRICE CENTER
EAST
FOOD COURT

AMAZON
@ UCSD

UCSD BOOKSTORE

PERKS
COFFEE

UCSD
IMPRINTS

PRICE CENTER
FIRST FLOOR

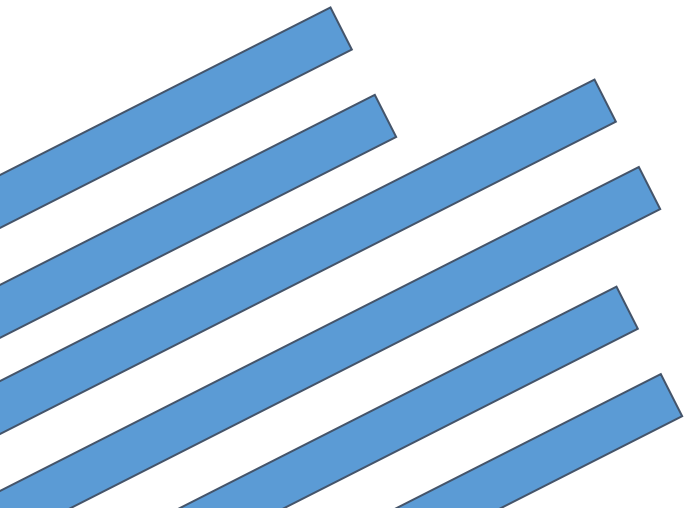
UC San Diego

SUSTAINABILITY



sustain.ucsd.edu

sustain@ucsd.edu



Building Services Floor Care Team

About the Floor Care Team

- The group consists of 7 members and a Supervisor.
- Sunday-Wednesday 6:00pm to 4:30am
- Group dedicated exclusively for floor and carpet care

Types of floor we currently service

- (VCT) Vinyl Composition Tile
- Concrete
- Ceramic
- Linoleum
- Terrazzo
- Rubber/Cork

Rubber/Cork

Before



AFTER



VCT

Before



After



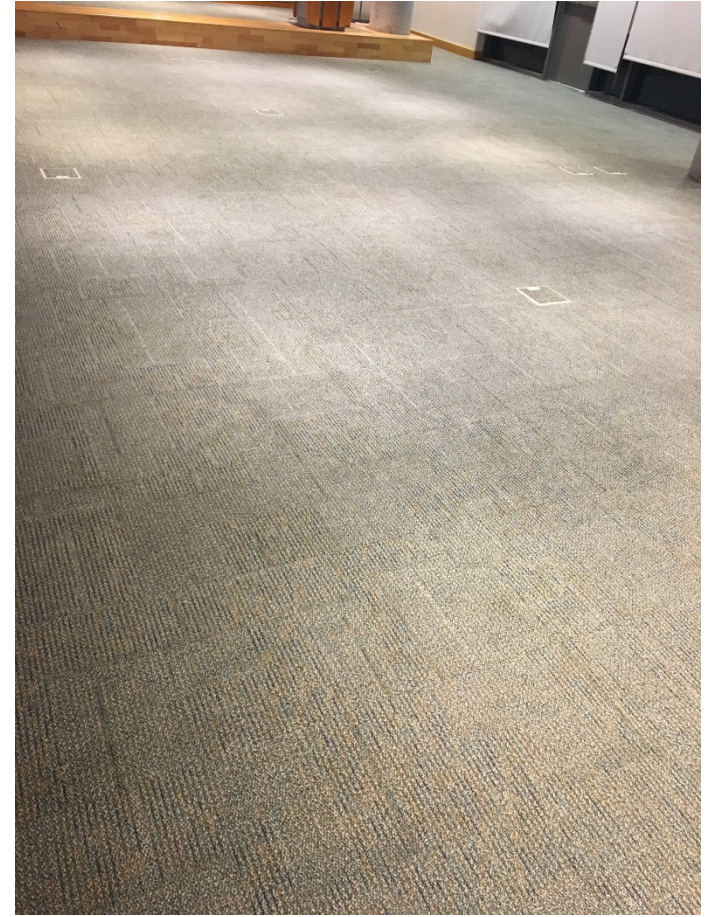
Types of carpet we currently service

- We service most carpets, including carpet tiles and stain resistant carpets using:
 - Hot extraction
 - Extraction
 - Dry foam
 - Bonnet

How to Request Service?

- Submit a work order online
- Contact custodial supervisor responsible for the building
- Contact floor care supervisor

EBU2A Carpet Cleaning



How to prepare for the day of the service?

- Remove all moveable items from the area such as:
- Chairs
- Boxes
- Trashcans
- Furniture
- Equipment

Questions??

Campus Bin Buddies Program Update



Campus Bin Buddies Program Update

Offices & cubicle space areas

No liners in bins

Service frequencies remain the same

Install slim jims

Campus Bin Buddies Program Update Implemented Colleges

SIO
Revelle
Muir
Marshall

Geisel Library
Warren
CSC
University Center

Campus Bin Buddies Program Update In progress

School of Med
ACTRI

Campus Bin Buddies Program Update Lessons Learned

Communication

Slim jims timing install

Accessibility breakroom sinks

Campus Bin Buddies Program Update



Completion August 2019



Near Future



Campus Bin Buddies Program Update

Q & A