

# 2023 Mt.SAC Climate Action Plan

Focus Group Kick-off Meeting



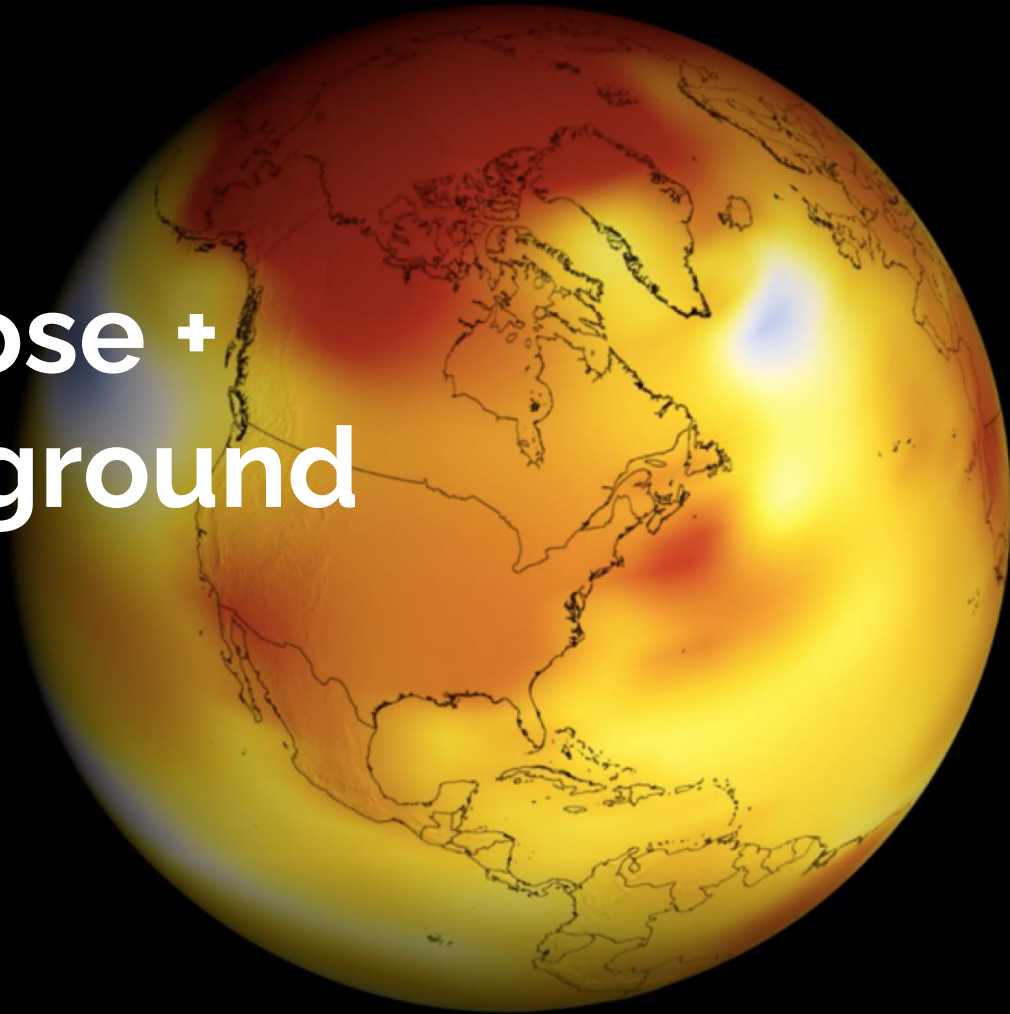
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# Agenda

1. Purpose + Background
2. CAP Implementation to Date
3. Timeline
4. Anticipated Effort
5. Focus Groups and Team Leaders
6. Document Coordination and Tools
7. Questions and Answers

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# Purpose + Background



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## Mt.SAC Climate Action Plan (CAP) - Purpose

*“The purpose of the [Climate Action Plan \(CAP\)](#) is to prepare Mt. San Antonio College for the coming environmental and regulatory challenges of the 21st century, to guide the campus towards becoming a more sustainable institution, and to prepare students to engage in future solutions.” (Mt.SAC CAP 2018)*

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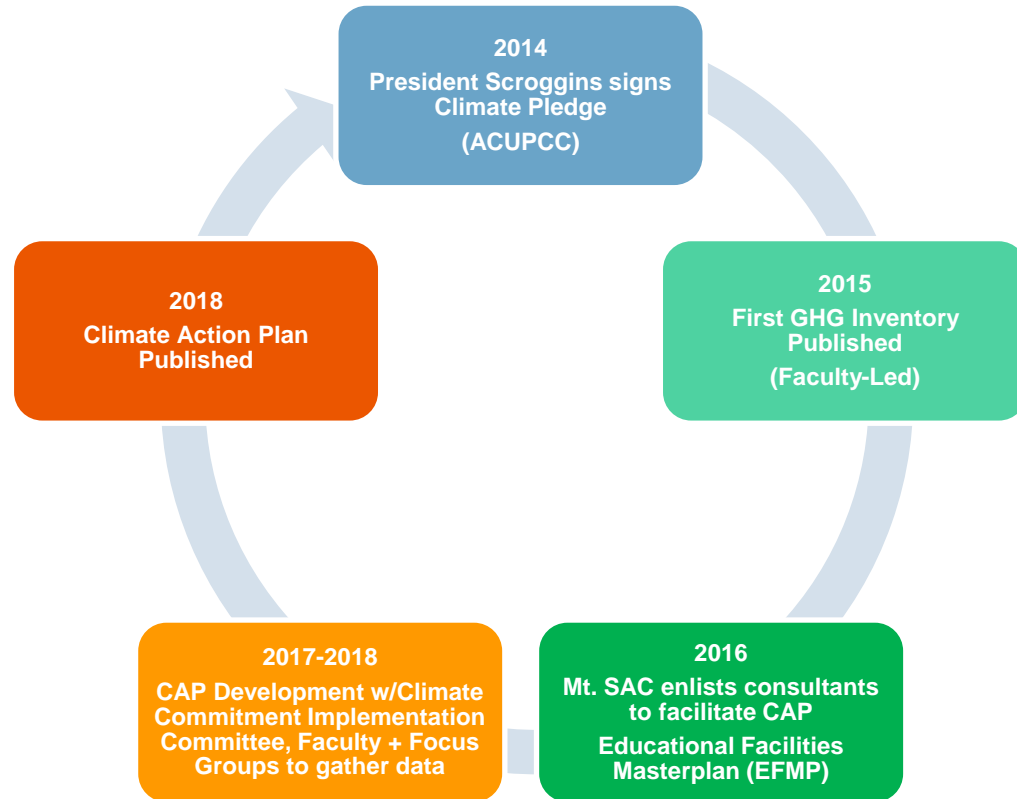
# Why is a CAP important?

The CAP makes things happen!

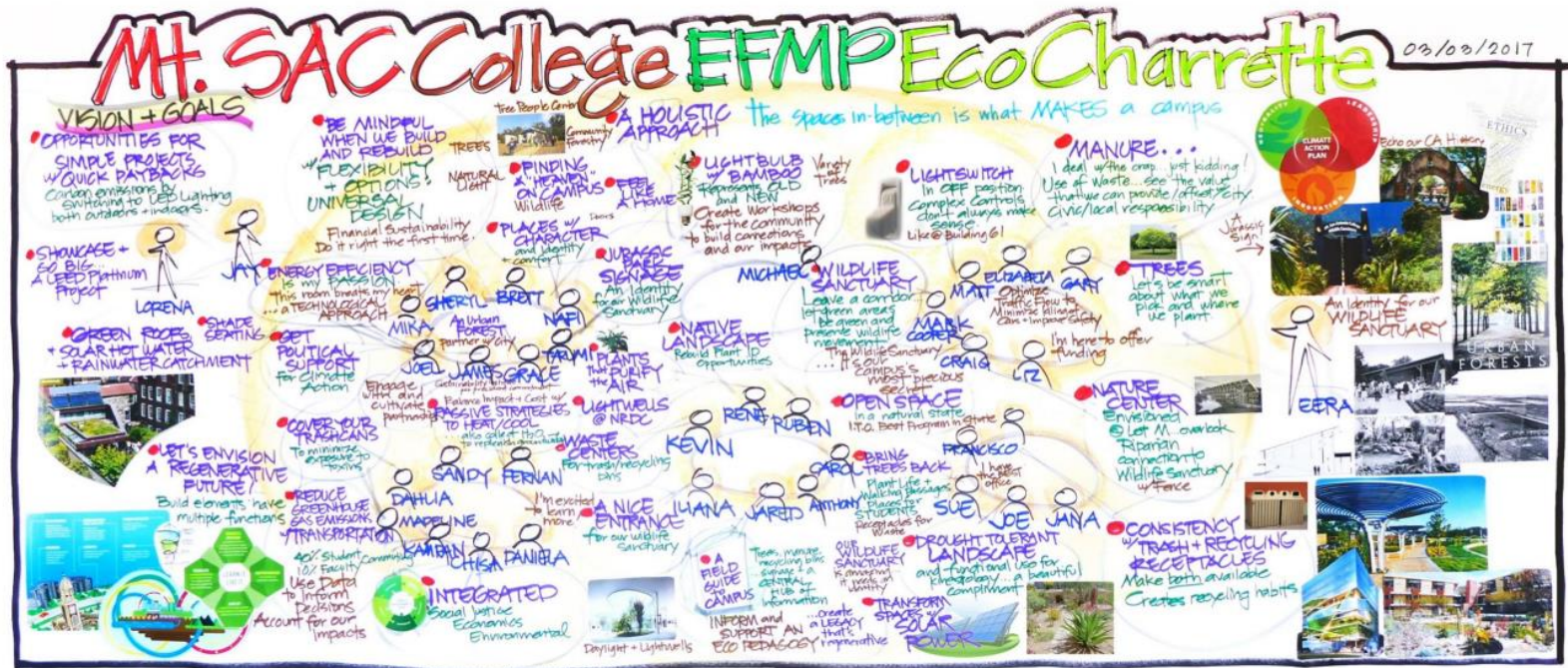
- Sets climate action goals as a campus
- Holds us accountable
- Gives us a tangible roadmap to climate neutrality
- We've achieved so much, and now it's time to set new targets!

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## 2018 Mt. SAC CAP – Background

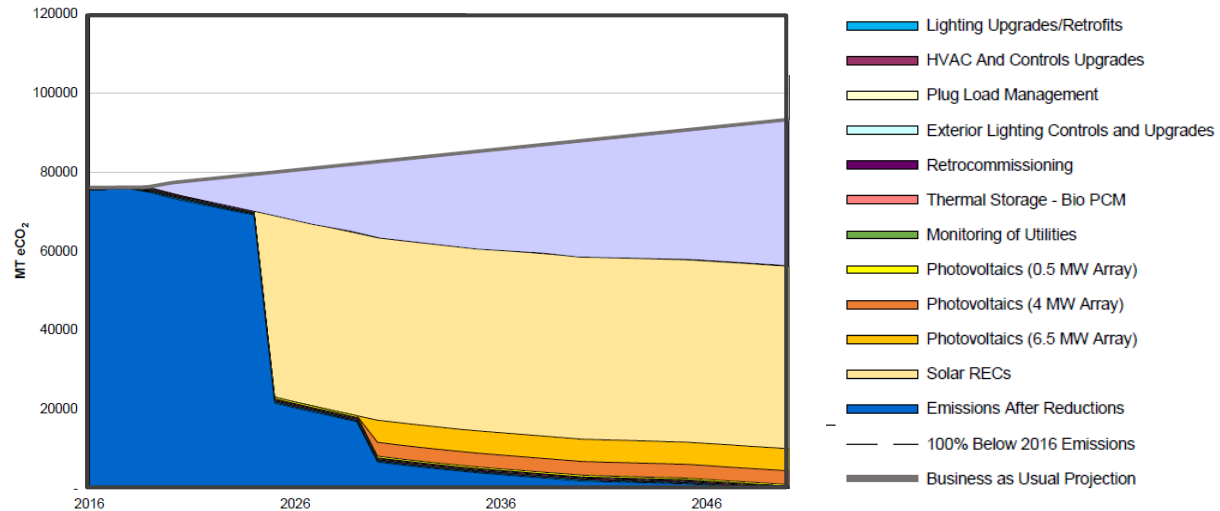


# 2018 Mt.SAC Process



# 2018 Mt.SAC GHG Emissions Reduction Strategies

EMISSION REDUCTION STRATEGIES, 2016–2050





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# 2018 Mt.SAC Recommended Strategies

- Adopt District Sustainability Policies and Procedures
- Adopt an Idling Policy
- Create a Campus Bike Policy and Bicycle Plan
- Establish a Campus Landscape Advisory Committee and Participate in the Tree Campus USA Program
- Endorse a Statement that Mt. SAC will not Adopt New Sources of Emissions
- Provide Local Accounting for Externalities
- **Integrate Climate Action Planning into Institutional Planning and the Educational and Facilities Master Plan**
- Perform Sustainability Assessments in All Units and Departments
- Establish Sustainable Purchasing Policies
- Establish Sustainable Food Policies
- **Consider Funding to Support Sustainability Activities**
- Develop a Policy of Sustainability in Investments
- **Build Sustainability into Existing Student Life Structures**
- Establish a Sustainability Center
- Provide Adequate Staffing
- Fund and Appoint a Sustainability Director
- Allocate Faculty Release Time for a Reassigned Position of Sustainability Coordinator

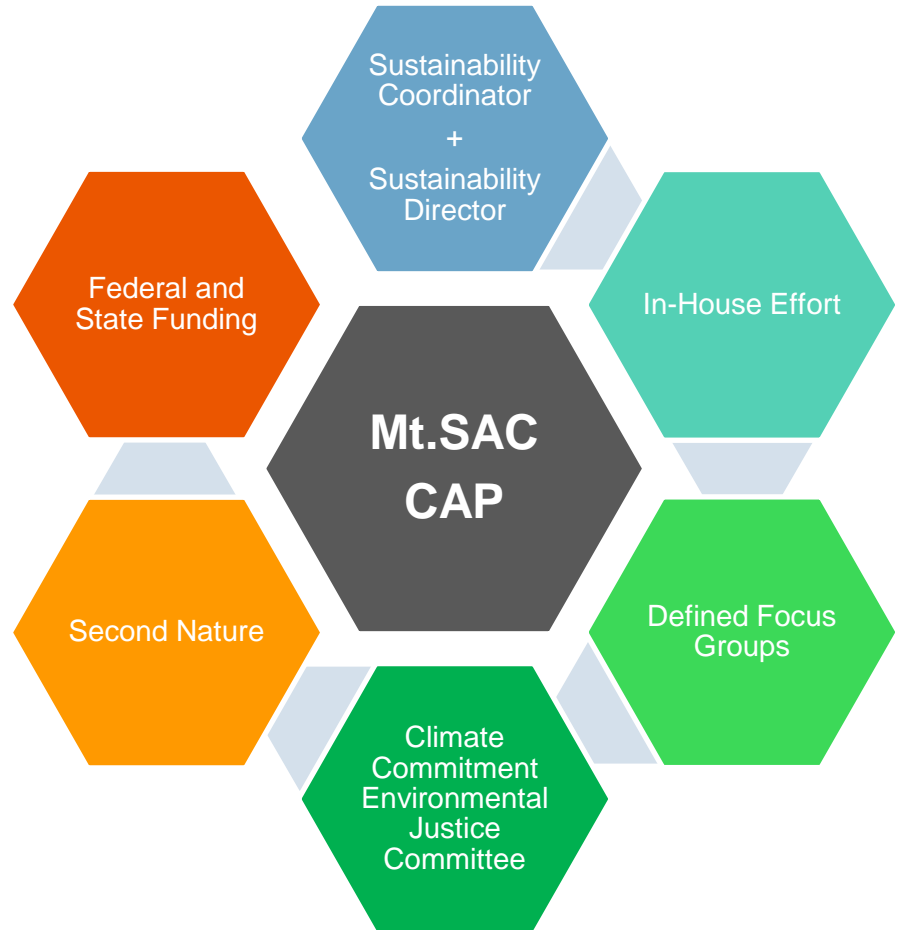
Orange: not tackled yet

Underlined: in progress

**Bolded: accomplished**

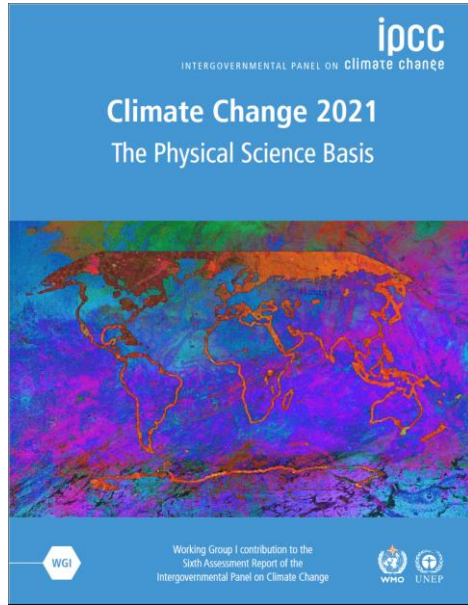
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## 2023 Mt.SAC CAP – What's New



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# What's New? Climate Policy Development



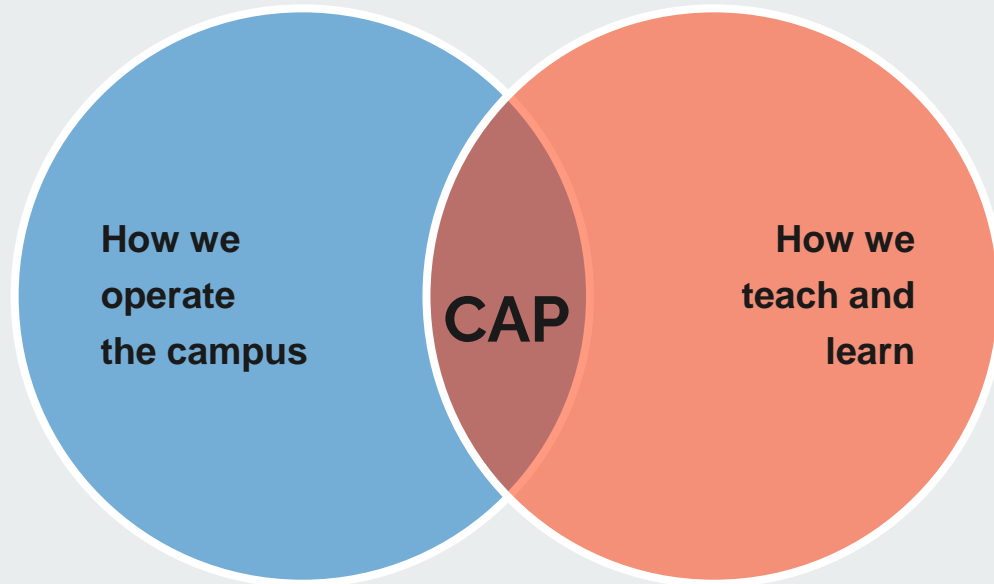
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## What's New: Second Nature



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## What's New: Our Team



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# CAP Implementation to Date

MSAC

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# Mt. SAC's Climate Action Plan

Area of Sustainability	Established Goal
1 <b>Greenhouse Gas Reduction</b>	Reduce greenhouse gas emissions from the 2014 baseline by 20% by 2025, 50% by 2035, and 100% by 2050
2 <b>Green Building Standard</b>	Exceed Title 24 energy code requirements by 15% for new construction and 10% for modernization projects
3 <b>Water Use Reduction</b>	Reduce water use per student from the 2014 baseline by 50% by 2030
4 <b>Waste Diversion and Management</b>	Achieve net-zero waste by 2050
5 <b>Transportation</b>	Decrease emissions due to transportation by 50% by 2050

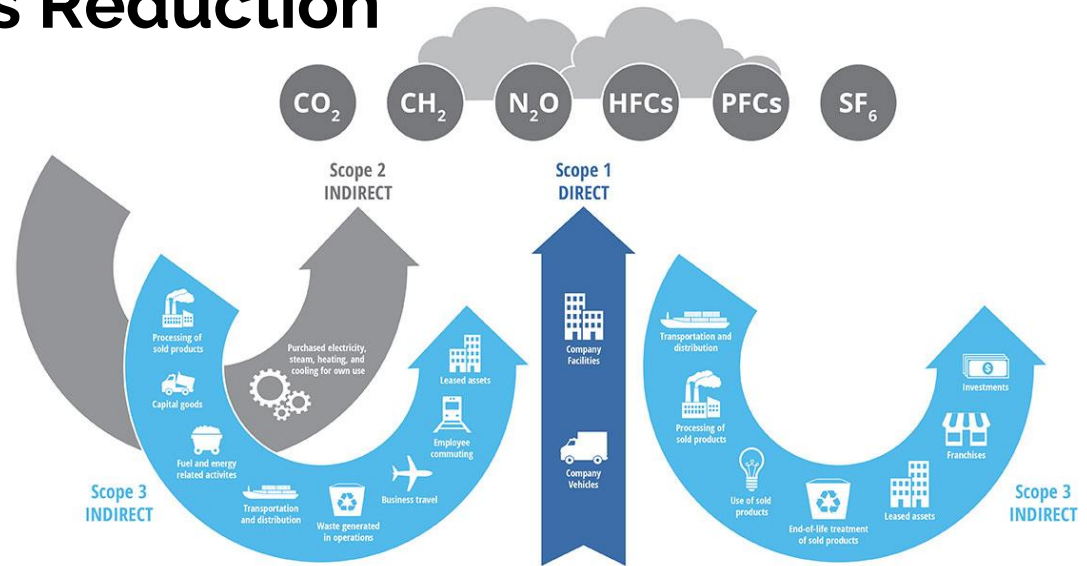
# Mt. SAC's Climate Action Plan

	Area of Sustainability	Established Goal
6	<b>Institutionalization</b>	Hire a full-time Sustainability Director by 2018, Sustainability Coordinator by 2019, and establish a Sustainability Center by 2020.
7	<b>Curriculum Integration</b>	Build sustainability into the educational experience of 50% of students by 2025, and 100% of students by 2035
8	<b>Professional Development</b>	Establish professional development in sustainability for new faculty by 2020. Integrate sustainability into campus Professional Development plan by 2020. Offer online Sustainability Certificate for faculty by 2020
9	<b>Research and Community Outreach</b>	Publicize campus sustainability efforts to surrounding community annually, starting 2019



# Greenhouse Gas Reduction

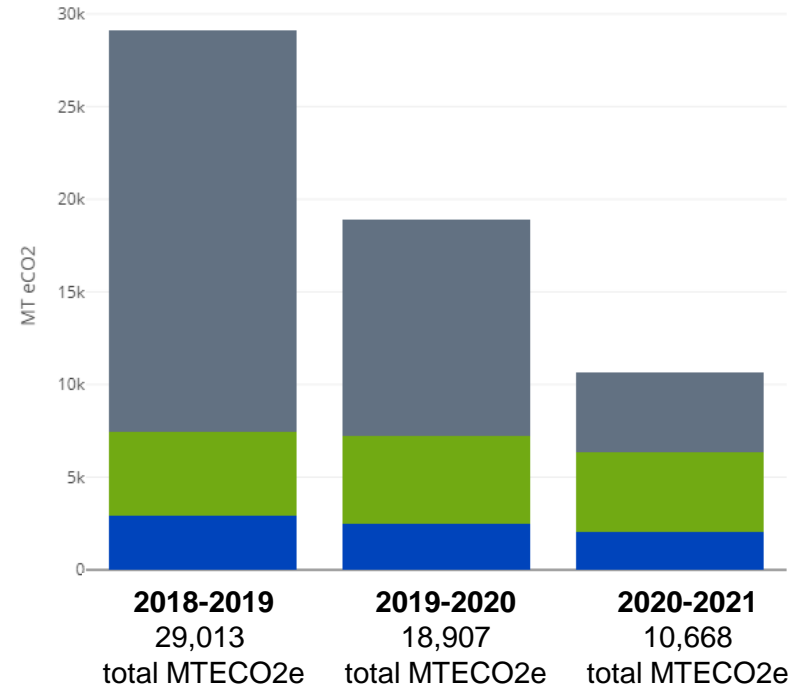
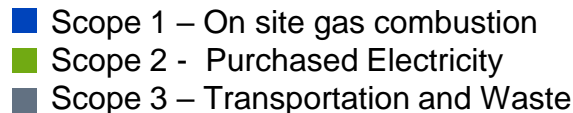
Scopes 1, 2 +3



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# Greenhouse Gas Reduction

- Significant decrease in Scope 3 emissions due to decrease in commuting
- Steady decrease in Scope 1 and 2 Emissions due to reduced energy consumption



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# Green Building Standard

- LEED Gold Standard
- 15% better than T24
- Net Zero Ready
- All Electric Buildings
- LEED Master Site



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# Water Use Reduction

- Recycled Water Lines for Playfields
- 30-35% Indoor Water Savings
- 50% Outdoor Water Savings



# Waste

- Composting Receptacles
- 95% Construction Waste Diversion for new projects and On-site Salvage Center
- Campus Race to Zero Waste





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# Transportation

- Green Corridor
- 59 New EV Charging Stations
- Bike Storage
- Online Learning Extended
- Free Metro and Bus Transit



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# Institutionalization

- Hired a full-time Sustainability Director in 2021
- First Sustainability Coordinator in 2019
- Sustainability Center- still a dream
- Climate Commitment Environmental Justice Committee (CCEJC) – representation from across campus



# Curriculum

- 30 Sustainability designated classes in Fall 2022

Mt. San Antonio College

Class Schedule Search Results for Fall 2022



## Adding Fall 2022 Classes:

Interested in adding a course during and after the first day of class? Please email the professor and ask them if they have room to add you to their class. If yes, the instructor will provide you with an add code that expires in a very short time.

**NOTE:** Further details about each course are available by clicking the CRN link.

- NOTE 1:** Meeting Times with "WEB" are **Asynchronous Online Classes**. No set class meeting times are required.  
**NOTE 2:** Meeting Times that list days and times with "Online" for Building/Room are **Synchronous Online Classes**. Requires real-time, online meetings during listed times.  
**NOTE 3:** Meeting Times that list days and times with a physical Building/Room location indicate the class will be offered at an on-campus or off-campus location.  
**NOTE 4:** Meeting Times that are a combination of "WEB", list days and times "Online", or list a physical Building/Room require a combination of online work, scheduled online meetings, and on-campus, or off-campus meetings during listed times.

## OCEA - Oceanography

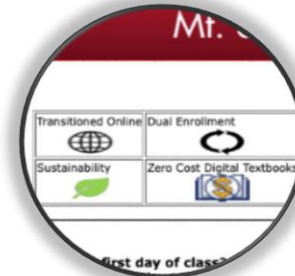
### OCEA 10 - Introduction to Oceanography

Degree Applicable, CSU, UC, IGETC

Geological, chemical, physical, and biological aspects of the Earth's ocean. Plate tectonics, physiography of ocean basins and continental margins, ocean sediment, atmosphere and ocean circulation, waves and tides, coasts, and marine ecology. The companion Oceanography Lab (OCEA 10L) is recommended for students needing a lab to transfer to a four-year college or university. Field trip(s) are required.

**NOTE:** Click on CRN link for further class details.

Status	Icon	CRN	Cred	Meeting Time	Building/Room	Cap	Act	Rem	Instructor	Email	Date	Weeks	
In Progress	OCEA 10	25563	3.0	T Th	11:30am - 12:35pm	11 - 2209	36	25	11	Douglas Neves	dneves@mtac.edu	08/22-12/11	16
In Progress	OCEA 10	25586	3.0	M W	11:30am - 12:35pm	11 - 2209	36	13	23	Tania Andon	tandon@mtac.edu	08/22-12/11	16
In Progress	OCEA 10	25589	3.0	WEB	ONLINE - ASYNC	26	31	5	Amanda Ketting-Oliver	akettingoliver@mtac.edu	08/22-12/11	16	
In Progress	OCEA 10	26219	3.0	WEB	ONLINE - ASYNC	36	34	2	Douglas Neves	dneves@mtac.edu	08/22-12/11	16	





# Professional Development

- Presentations provided to New Faculty seminar
- Sustainability embedded in PD plan in 2019
- First Professional Development Course for Faculty offered in Winter 2021



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# Research and Community Outreach

## Student Sustainability Awards

- 5 categories @ \$500 each

Garment  
made from  
tea bags



Image used with permission.



Image used with permission.

Local park clean-  
ups in low-  
income  
neighborhoods

## Student Internships

- HMC Architects
- US Green Building Council LA
- CHERP Solar Works
- On-campus internships
  - Develop Sustainability Tours
  - Intern with Sustainability Director

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# Community Outreach

- Earth Day Events
- EAGLE Club – Park Clean-ups etc.
- Arbor Day – Tree Campus USA



# Timeline



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# Mt. SAC Climate Action Planning Timeline





# Mt. SAC Climate Action Planning Timeline

Winter Break

Summer Break

Oct > Nov > Dec

Information Gathering

Weekly Meetings

Focus Groups meet and begin gathering information

Draft tasks for respective subject areas

Jan > Feb > Mar

Draft 1 Development

Bi-Weekly Working Meetings

Analysis and strategies development

Draft 1 is distributed for review and comment

Review Session 1 @ FLEX Day

Apr > May > Jun

Draft 2 Development

Bi-Weekly Check-in Meetings

Narratives, Analysis + Strategies Refinement

Draft 2 is distributed for review and comment

Review Session 2

Jul > Aug > Sept

Final Draft

Monthly Check-in Meetings

Editing/Proofreading

Studio 13 Final Proof

Upload to Second Nature

# Anticipated Effort



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# Mt. SAC CAP Anticipated Effort

- Average of 30 hours per person over 12 months
- Regular Meetings (Defined by Focus Groups)
- Possible Compensation



Uyeki & Bhattiwale, CHLSC July 2019



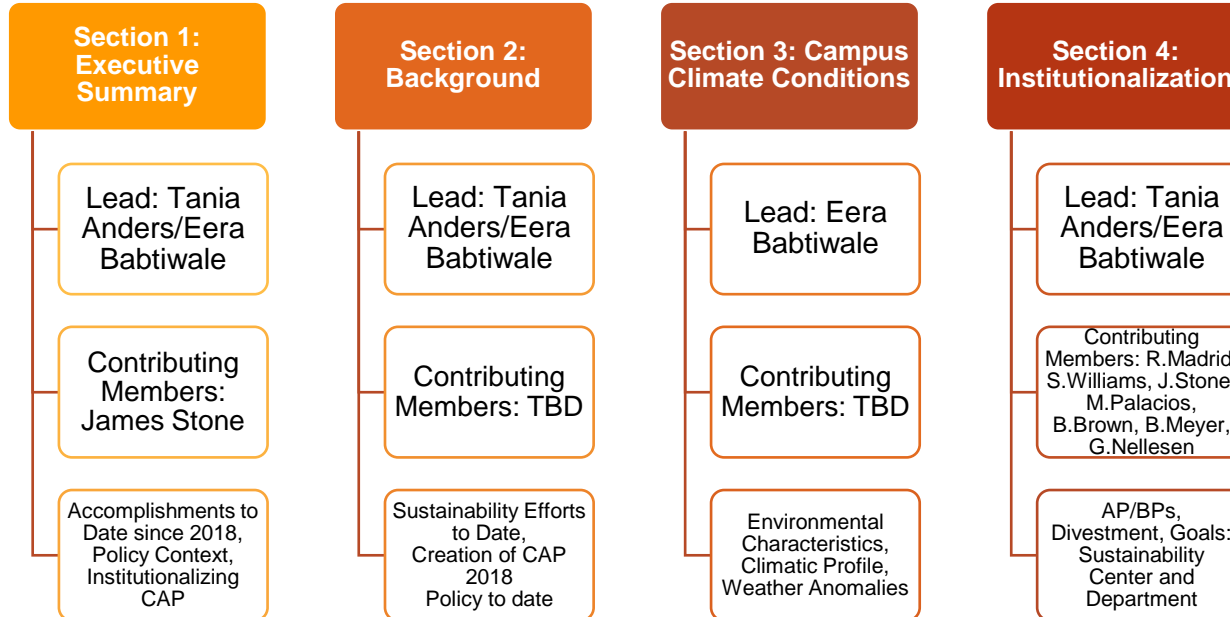


# Focus Groups and Team Leaders



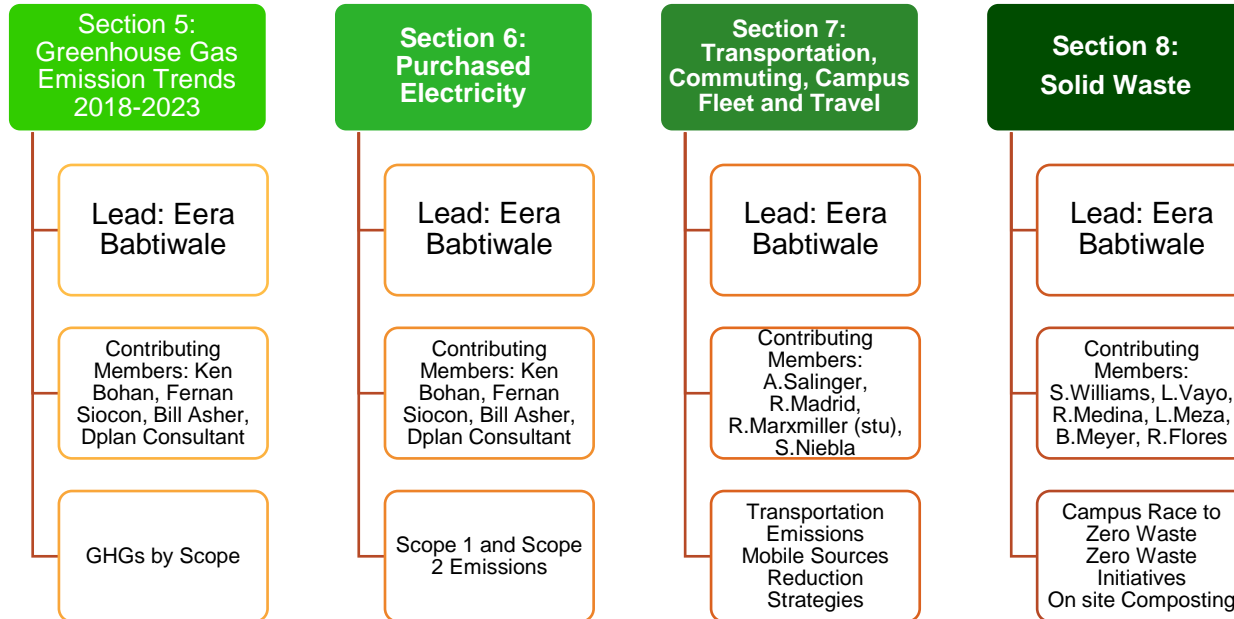
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# Mt. SAC Climate Focus Groups and Team Leaders



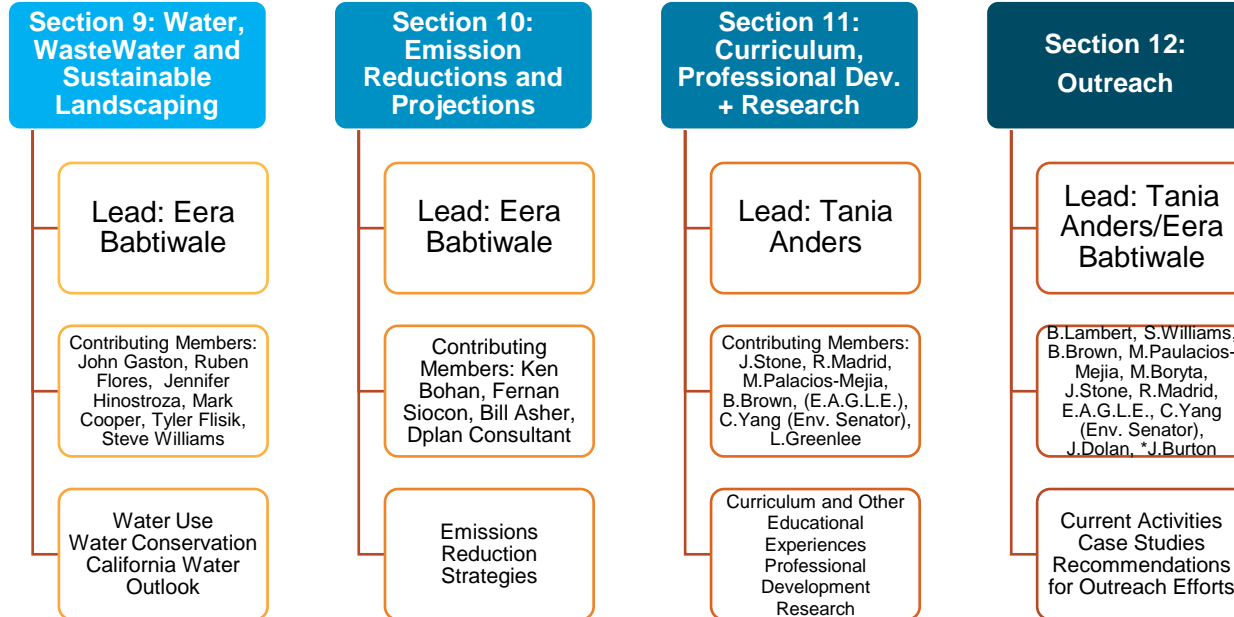
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# Mt. SAC Climate Focus Groups and Team Leaders



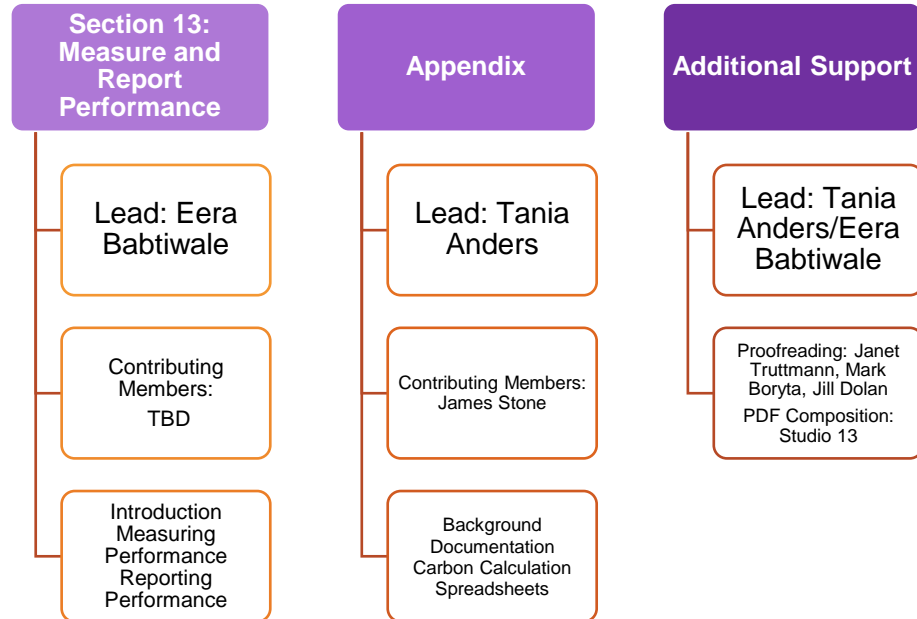
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# Mt. SAC Climate Focus Groups and Team Leaders



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# Mt. SAC Climate Focus Groups and Team Leaders



# Documentation Coordination and Tools

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# File Formats

Narratives



Data, Graphs  
+ Charts



Task Tracker  
+ Milestones



Images

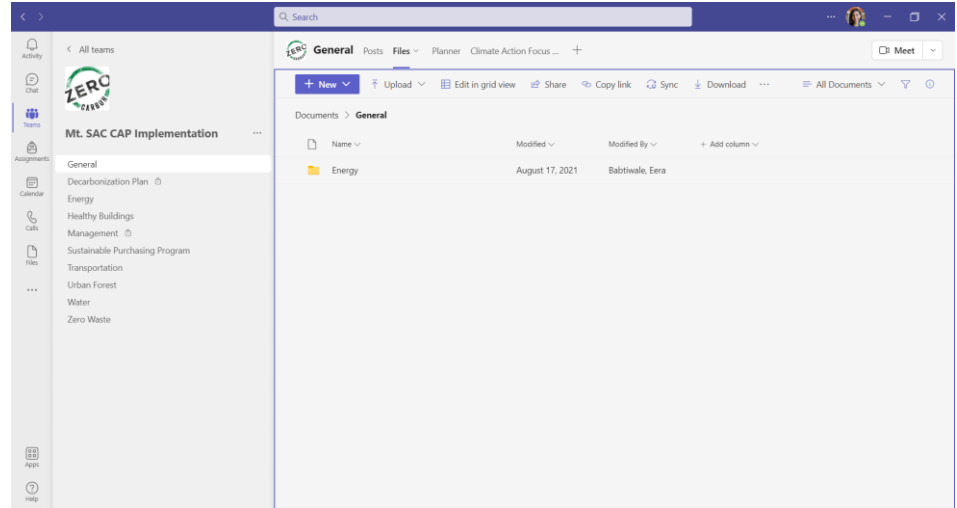


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# File Uploads + Sharing



Microsoft Teams





# Greenhouse Gas Emissions Calculations



[HOME](#) [ABOUT](#) [RESOURCES](#)

USER LOGIN

Username \*

Password \*

▶ CREATE NEW ACCOUNT

▶ REQUEST NEW PASSWORD

LOG IN

SIMPLIFYING SUSTAINABILITY DECISIONS

SIMAP™ is a carbon and nitrogen-accounting platform that can track, analyze, and improve your campus-wide sustainability. Our proven algorithms, based on nearly two decades of work supporting campus inventories with the Campus Carbon Calculator, CarbonMAP and Nitrogen Footprint Tool, will help you:

- Create a baseline
- Benchmark your performance
- Create reports
- Set goals
- Analyze your progress year over year

GET STARTED!

YOUR CAMPUS FOOTPRINT

6

C

CARBON

12.0107

CARBON

7

N

NITROGEN

14.0067

NITROGEN

# Greenhouse Gas Trajectory Calculations



GRITS Sustainable Endowments Institute (Settings) Need help? The Editor (primary) 1 Sign Out

Dashboard Projects Facilities Consumption Library People Reports Goals

### Annual Resource Consumption

ADD ANNUAL CONSUMPTION DATA

Institution Campuses/Sites Facilities

RESET FILTERS

YEAR	RESOURCE	AMOUNT	UNITS	NOTES	ACTIONS
2019	Emissions	100,000	MTCO <sub>2</sub> e		<a href="#">Edit</a> <a href="#">Delete</a>
2018	Emissions	90,000	MTCO <sub>2</sub> e		<a href="#">Edit</a> <a href="#">Delete</a>
2017	Emissions	80,000	MTCO <sub>2</sub> e		<a href="#">Edit</a> <a href="#">Delete</a>
2016	Emissions	70,000	MTCO <sub>2</sub> e		<a href="#">Edit</a> <a href="#">Delete</a>
2015	Emissions	60,000	MTCO <sub>2</sub> e		<a href="#">Edit</a> <a href="#">Delete</a>
2014	Emissions	55,000	MTCO <sub>2</sub> e		<a href="#">Edit</a> <a href="#">Delete</a>
2014	Energy	100,000	MMBtu		<a href="#">Edit</a> <a href="#">Delete</a>
2013	Emissions	50,000	MTCO <sub>2</sub> e		<a href="#">Edit</a> <a href="#">Delete</a>
2012	Emissions	<div>Scope 1: 20,000 Scope 2: 25,000 Scope 3: 5,000 Total: 50,000</div>	MTCO <sub>2</sub> e		<a href="#">Edit</a> <a href="#">Delete</a>

1 - 9 / 9 (9) 25 1

\* A consumption year cannot be deleted if it is used as a baseline in one or more Goals. Any edits made to your consumption data will be reflected in the Goals in which they appear.

Contact us!

A photograph of the MIT Student Activity Center (SAC) building, a modern structure with a metallic, ribbed facade. The building features a large, stylized 'MIT SAC' logo. In the foreground, a wide set of stairs with metal railings leads up towards the building. Several people are visible on the stairs and near the entrance. A tree with green leaves is on the left side of the frame. The sky is clear and blue.

# Questions and Answers

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**Thank you.**

