

ACADEMIC SENATE – Sustainability Committee

Spring 2022

Due: Friday, June 17, 2022 (Completed Monday June 20, 2022 by JReich)

MEMBERS	
Name	College/Unit
Chiu, Yiwen	CAFES
Dumars, Jeffrey	Admin (Please remove his name. He left Cal Poly TWO YEARS AGO!)
Elliot, Dennis	Admin
Fernsler, Jonathan	CSM
Francucci, James	ASI Student Rep (Replaced Chris Raynes for Spring 2022)
Kathuria, Ajay	OCOB
Kim, Andrew	ASI Student Rep
Oulton, Rebekah	CENG
Peters, Jason	CLA
Reich, Jonathan (CH)	CAED
Singh, Kylee	Admin
Winslow, Dianna	Admin
VACANT	PCS

CHARGES		
Charge	Complete?	Status/Notes
Review and modify committee procedures and bylaws as needed. Ongoing	<input type="checkbox"/>	Ongoing
Develop and pilot more SLOs assessments. Ongoing	<input type="checkbox"/>	Ongoing
Respond to AS-787-14. Ongoing	<input type="checkbox"/>	Ongoing
1. Review new courses in the 2021-2022 catalogs for SUSCAT.	<input type="checkbox"/>	
2. Encourage faculty to teach sustainability in new and existing courses.	<input type="checkbox"/>	
3. Work with the CTLT to provide support for faculty seeking to teach classes involving sustainability.	<input type="checkbox"/>	
Assist Registrar to implement AS-923-21 by identifying SUSCAT courses in the catalog & Schedule Builder. Ongoing	<input type="checkbox"/>	Ongoing
Respond to 2014 CSU Sustainability Policy directives. Ongoing	<input type="checkbox"/>	Ongoing: ASSC has determined that a resolution will be prepared for the Academic Senate in 2022-23 setting forth that Cal Poly's Sustainability Learning Objectives (aka SLOs) shall be assessed just as Cal Poly's other learning objectives are assessed.
1. "The CSU will seek to further integrate sustainability into the academic curriculum working		

within the normal campus consultative process. 2. The CSU will develop employee and student workforce skills in the green jobs industry, promote the development of sustainable products and services, and foster economic development.”		
Support continuing campus efforts to improve Cal Poly’s AASHE STARS certification credits Ongoing	<input type="checkbox"/>	Ongoing: ASSC members were substantially involved in the well-attended “Sustainability Charrette” April 22 nd the focus of which was the “path to AASHE STARS platinum”
Work with students to better integrate approaches to sustainability inside and outside the classroom/curriculum. Ongoing	<input type="checkbox"/>	Ongoing: ASSC is preparing a resolution for the A.S. to propose that all students, faculty, and staff to take required "Learning Hub" training on basic sustainability measures similar to trainings required for sexual harassment, alcohol/drugs, data security, workplace injury, etc.
Discuss with FAC sustainability in hiring and RPT policies and procedures. AY 2021-22	<input type="checkbox"/>	Ongoing
Work with students and dining services to source food from campus and local sources. AY 2021-2022	<input type="checkbox"/>	Ongoing
Work with students, WOW, and AFD to improve recycling/composting/zero waste WOW training. AY 2021-2022	<input type="checkbox"/>	Ongoing
Assist Cal Poly to implement AS-915-21 and meet Cal Poly's Carbon Neutrality Target Date. AY 2021-2022	<input type="checkbox"/>	Ongoing
Work with academic advisors to help students find sustainability courses. AY 2021-2022	<input type="checkbox"/>	Ongoing

NOTES:

The ASSC met 4 times in Spring 2022.

The ASSC activities in Spring 2022 were dominated by preparing for the April 22nd “Sustainability Charrette” and the question of who will chair ASSC next year since so many faculty members are ending their terms in ASSC (Fernsler, Chiu, Oulton, Peters) and the two continuing faculty members Reich & Kathuria could not chair ASSC next year. Fortunately, Jay Peters stepped forward to Chair ASSC even though his term on ASSC expired because A.S. allows that.

Meeting Date: **May 17, 2022 at 2:10pm**Zoom: <https://calpoly.zoom.us/j/89959573926>Meeting Convened: **2:11pm****ATTENDANCE:**☐ Chiu, Yiwen, NRES Faculty CAFES☐ Elliot, Dennis, FacSvcs, VP/Adm&Fin Rep (EO)☒ Fernsler, Jonathan, Physics Faculty CSM☐ Francucci, James Student, ASI Rep (EO)☐ Kathuria, Ajay, IT & Pkg Faculty OCOB☒ Kim, Andrew Student, ASI Rep (EO)☒ Oulton, Rebekah, CE ENVE Faculty CENG☒ Peters, Jason, English Faculty, CLA☒ Reich, Jonathan (CH) Arch Faculty CAED☐ Singh, Kylee Enrg&Sustain Admin(EO) (on leave)☐ Winslow, Dianna CTLT VP Prog&Png Rep (EO)☐ Vacant, PCS Rep (EO)**APOLOGIES:** Dennis Elliot, Dianna Winslow, (Out of town), Yiwen Chiu (has class), Ajay Kathuria (has class)**QUORUM:** Required attendance of committee for quorum is 7/12 Committee members present: _____ Quorum?: ☐ Yes ☐ No**Invited GUESTS:** Braun (Emeritus Chair), Erin Pearse (ASSC next year), Paul Anderson (ASSC next year)**AGENDA/Minutes:** Minutes Recorded By: Jonathan Reich**2:10am: Announcements:**

- I have scheduled this meeting at this time so **Rebekah Oulton & Erin Pearse** can attend after asking ASSC at our last meeting.
- **Paul Anderson**, Computer Science, and **Erin Pearse**, Math are joining ASSC next year.
- **Yiwen Chiu** will not continue on ASSC next year because of a new commitment. As of now we have no info on who will rep CAFES.
- We missed May 4th deadline for proposed Academic Senate resolutions to be sent to Sarah Best in order to be considered this academic year

Notes: Braun proposed resolution based on Provost's statement at sust. Charrette to infuse sust. Across the curriculum in the semester conversion. Pearse suggests required learning hub trainings that link DLOs & SLOs ...

1. ASSC 2022-23 Chair: Academic Senate keeps asking JReich if he can chair ASSC next year or if not who can? Need to decide ASAP.

Last meeting ASSC advised that Chair should be non-ex-officio member who is continuing member and not in first year as member.

Kathuria, Peters(?), and Reich are the only continuing non-ex-officio members.**Kathuria** offered to assist ASSC Chair as secretary to take notes which would be very helpful (Thank you **Ajay!**) but he can't take on Chair roll at this time. **JReich** asked **Jay Peters** if he is willing to do it. If not, **JReich** will offer to continue but would rather hand it off.**Notes:** Jason Peters agreed to chair ASSC in 2022-23**2. Is CAFES "Sustainable Agriculture Minor" greenwashing?** Yiwen Chiu reported only 34% of the minor courses are in SUSCAT and the minor appears to be using the word "sustainable" in ways we or our rubric may not agree is appropriate. Should ASSC do anything about this?

Notes: Another resolution: propose some kind of SUSCAT rubric be applied for majors & minors to eligible for SUSCAT. Any sustainability Majors or Minors should have courses wherein faculty understand the SUSCAT rubric. Establish a definition and regulation for use of the term "sustainability"

3. Continue discussion of Erin Pearse's suggestion there be a "Sustainability Overlay" requirement (similar to USCP) or a Sustainability pathway in GE and addressing the Catch-22 of adding a subject overlay requires courses be available - but getting courses available depends on them being required. And, if we have SLOs, why aren't they "required" or assessed? Per **Bruno Giberti's** suggestion to **Dianna** – how can we get the "assessment council" to explicitly add the SLOs to the Core competence plan? (**Michael Nguyen** is meeting with CAFES dean to work on SLOs assessment at CAFES level (!) Does this relate to the "Sustainable Ag Minor" or is it genuine?

The consensus of ASSC seems to be that the SLOs should be assessed which should probably be the first resolution ASSC offers to the Academic Senate next year.

<https://academicprograms.calpoly.edu/assessment/aac> & <https://academicprograms.calpoly.edu/assessment/aac/members> & <https://ulo.calpoly.edu/>**Notes:****3. Plan & proposal for maintaining and updating SUSCAT** (re. our committee charges): JReich and (maybe Kylee Singh and maybe new ASSC chair) should work on the SUSCAT rubrics for the courses being generated out of the CTLT workshop Kylee & Dianna are currently running. And:

Jon Fernsler suggested a once-a-year reach-out to faculty teaching SUSCAT courses to: "...gently remind them that their course is listed on SUSCAT, provide our SUSCAT webpage link, showing their course is part of a broader university initiative and mission statement and that students can find their course on SUSCAT" and maybe send a "SUSCAT update" form on OneDrive similar to the existing document Kylee's modifying where faculty nominate their course for SUSCAT.

<https://forms.office.com/Pages/ResponsePage.aspx?id=2wING578IUSVNx03nMog5-ccdYkiqABMiCRGanEkrJVUM1A0UzVHQ0pTWUVYMTU1T0VJUFRVTjFFTS4u>
Perhaps do this early in Fall, right before classes start, before everyone gets overbooked.

Notes: ASSC reps may be asked to do rubrics over the summer.

Kylee proposes climate corps fellow can assist with SUSCAT review by getting contact info for suscat faculty to get them to update per rubric.

Discussion of Center for Service in Action big Calif grant for sustainability fellows.

MEETING ADJOURNED: 3:01pm

ASSC Spring Quarter 2022 Meetings: (Meetings to be held over Zoom)

- ~~10:10am~~ Thurs. April 7 -
- ~~2-3pm~~ Tuesday April 19, or ~~10-11am~~ Thursday April 21
- ~~10:10am~~ Thurs. May 5 -
- ~~2-3pm~~ Tuesday May 17 -
- 10:10am Thurs. June 2 – Not scheduled

Academic Senate Sustainability Committee 2021-2022: (Note the vacancies)

Name	Department	College/Unit	Office	@calpoly.edu	Exp Term
Chiu, Yiwen	NRES	CAFES	62972	yichiu	2023
Elliot, Dennis	FacSrvcs/Enrg,Ut&Sustain	Admin	62090	delliot	EO (VP/Adm&Fin))
Fernsler, Jonathan	Physics	CSM	62438	jfernsl	2022
Francucci, James	Student	ASI	61281	jfrancuc	2023(?)EO (ASI)
Kathuria, Ajay	IT & Pkg	OCOB	62944	akathuri	2023
Kim, Andrew	Student	ASI	61281	akim195	EO (ASI)
Oulton, Rebekah	CE	CENG	61367	roulton	2022
Peters, Jason	English	CLA	62862	jpeter65	2022
Reich, Jonathan (CH)	Arch	CAED	805-801-8848	jreich	2023
Singh, Kylee	Enrg,Ut&Sust	Admin	65397	ksingh	EO (Enrg,Ut&Sust)
Winslow, Dianna	CTLT	Admin	67526	dwinslo	EO (VP Acad Prog&Png)
Winslow, Dianna	CTLT	Admin	67526	dwinslo	EO (Acad Dean)
Vacant	FacPlang	Admin	-----	-----	EO (Dir/FacPng)

Cal Poly Sustainability Learning Objectives (“SLOs”): ¹

Cal Poly defines sustainability as the ability of the natural and social systems to survive and thrive together to meet current and future needs. In order to consider sustainability when making reasoned decisions, all graduating students should be able to:

- Define and apply sustainability principles within their academic programs
- Explain how natural, economic, and social systems interact to foster or prevent sustainability
- Analyze and explain local, national, and global sustainability using a multidisciplinary approach
- Consider sustainability principles while developing personal and professional values

Academic Senate Resolution 688-09 approved by President Baker June 22, 2009

Sustainability Committee Charges for 2021-22: ²

- Review and modify committee procedures and bylaws as needed. Ongoing
- Develop and pilot more SLOs assessments. Ongoing
- Respond to AS-787-14. Ongoing
 1. Review new courses in the 2021-2022 catalogs for SUSCAT.
 2. Encourage faculty to teach sustainability in new and existing courses.
 3. Work with the CTLT to provide support for faculty seeking to teach classes involving sustainability.
- Assist Registrar to implement AS-923-21 by identifying SUSCAT courses in the catalog & Schedule Builder. Ongoing
- Respond to 2014 CSU Sustainability Policy directives. Ongoing
- “The CSU will seek to further integrate sustainability into the academic curriculum working within the normal campus consultative process.
 1. The CSU will develop employee and student workforce skills in the green jobs industry, promote the development of sustainable products and services, and foster economic development.”
 2. Related: Coordinate with Academic Senate Executive Committee to possibly invited Erin Pearce to brief the Academic Senate on Cal Poly’s Institute for Climate Leadership and Regional Resilience. AY 2021-22
- Support continuing campus efforts to improve Cal Poly’s AASHE STARS certification credits. Ongoing
- Work with students to better integrate approaches to sustainability inside and outside the classroom/curriculum. Ongoing
- Discuss with FAC sustainability in hiring and RPT policies and procedures. AY 2021-22
- Work with students and dining services to source food from campus and local sources. AY 2021-2022
- Work with students, WOW, and AFD to improve recycling/composting/zero waste WOW training. AY 2021-2022
- Assist Cal Poly to implement AS-915-21 and meet Cal Poly’s Carbon Neutrality Target Date. AY 2021-2022
- Work with academic advisors to help students find sustainability courses. AY 2021-2022

¹ www.academicprograms.calpoly.edu/content/academicpolicies/sustainability_lo

² www.academicsenate.calpoly.edu/content/acadsen_comm/sustainability

³ <http://secondnature.org/wp-content/uploads/2015/09/Climate-Commitment-Second-Nature.pdf>

View



Mute



Stop Video



Security



Reactions



Whiteboards



More

End

Meeting Date: **May 5, 2022 at 10:10am**Zoom: <https://calpoly.zoom.us/j/89163947040>Meeting Convened: **10:12am****ATTENDANCE:**

- | | | |
|--|---|--|
| <input checked="" type="checkbox"/> Chiu, Yiwen, NRES Faculty CAFES | <input checked="" type="checkbox"/> Kathuria, Ajay, IT & Pkg Faculty OCOB | <input checked="" type="checkbox"/> Reich, Jonathan (CH) Arch Faculty CAED |
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APOLOGIES: Rebekah Oulton teaches at this time,

QUORUM: Required attendance of committee for quorum is 7/12

Committee members present: 8Quorum?: ☒ Yes ☐ No

Invited GUESTS: Braun (Emeritus Chair),

AGENDA/Minutes: Minutes Recorded By: Jonathan Reich**10:10am: Announcements:**When to have next meeting? **Can I schedule a meeting for 2pm May 17 so Rebekah Oulton & Erin Pearce can attend?**

Welcome again James Francucci new ASI rep. to ASSC.

Paul Anderson, Computer Science, and Erin Pearce, Math are joining ASSC next year. Is Jay Peters continuing? Who will be CAFES rep.?

Academic Senate keeps asking JReich if he can chair ASSC next year or if not who can? JReich wants to nominate Erin Pearce. Thoughts?

Ajay Kathuria cannot chair ASSC but offered to act as secretary to whoever is chair.We missed May 4th deadline for proposed Academic Senate resolutions o be sent to Sarah Best in order to be considered this academic year**News:** Senate Bill 1173, the CalPERS and CalSTRS divestment from fossil fuels bill, passed out of the Senate Judiciary Committee.

Excellent PBS program Frontline 3 part series on how fossil fuels industry money and lies destroyed our chance to halt climate change:

<https://www.pbs.org/video/the-power-of-big-oil-part-one-denial-redxh6/>

California Ran on Nearly 100% Clean Energy This Month

<https://www.bloomberg.com/news/articles/2022-04-14/california-ran-on-nearly-100-clean-energy-this-month?smd=green&sref=qm26bHqj>

For the first time, wind power eclipsed both coal and nuclear in the U.S:

<https://www.npr.org/2022/04/14/1092806582/wind-power-energy-source>

EDES.408 Projects this quarter:

- Rainwater harvesting and LID should be in Cal Poly Master Plan,
- Cal Poly should have comprehensive program on ewaste,
- Cal Poly should have social/environmental externality screens in contracts and procurements
- Master plan for City Farm SLO
- CSU/Cal Poly required Sustainability Literacy Learning Hub course for students, faculty, staff
- Why no labor equity courses in CAFES, CAED, CENG, OCOB or alt. business model courses in OCOB?
- Establish a sustainable campus planning academic program "center" at Cal Poly to formally involve students in on-going campus planning

1. Debriefing Friday April 22 Sustainability Charrette on how Cal Poly can raise its AASHE STARS rating. [CP 2019 STARS report](#) & [STARS technical manual](#). What conclusions and potential initiatives came out of the charrette that should be focused on by ASSC?

E.G. increasing number of SUSCAT courses, getting Cal Poly to assess the SLOs (as we do other ULOs), doing more sustainability research, accelerating Cal Poly's achievement of Carbon Neutrality – or Related issues such as how staff/faculty housing could meaningfully address many sustainability issues together?

There is much interest this year from Edes.408 students on how the university could/should exercise more "consumer sovereignty" in procurement such as some universities do and many cities do and even the state of California does. How to address upper admin. "fear" of sustainability costs.

Notes: Making climate & sustainability literacy core part of curriculum, Dianna & Yiwen following up on SLOs assessment, Yiwen's paper accepted for pub, SLOs at Cal Poly are professed but not assessed. Discussion of sustainability person in Provost office. Academic side needs formal funded position to promote sustainability curriculum.

Circular economy, Cal Poly has to work on and exercise procurement sovereignty power in contracts.

Procurement: Michelle Winterfell, Darin Matthews (chief procurement officer)

2. Continue discussion of Erin Pearce's suggestion there be a "Sustainability Overlay" requirement (similar to USCP) or a Sustainability pathway in GE and addressing the Catch-22 of adding a subject overlay requires courses be available - but getting courses available depends on them being required. (See also **Megan Correa** email attached) And, if we have SLOs, why aren't they "required" or assessed? Per Bruno Giberti's suggestion to Dianna – how can we get the "assessment council" to explicitly add the SLOs to the Core competence plan? (Nguyen is meeting with CAFES dean to work on SLOs assessment at CAFES level (!) <https://academicprograms.calpoly.edu/assessment/aac> <https://academicprograms.calpoly.edu/assessment/aac/members> & <https://ulo.calpoly.edu/>**3. Proposal for maintaining and updating SUSCAT** (re. our committee charges: Jon Fernsler suggested a once-a-year reach-out to faculty teaching SUSCAT courses to: "...gently remind them that their course is listed on SUSCAT, provide our SUSCAT webpage link, showing their course is part of a broader university initiative and mission statement and that students can find their course on SUSCAT" and maybe send a "SUSCAT update" form on OneDrive similar to the existing document Kylee's modifying where faculty nominate their course for SUSCAT. <https://forms.office.com/Pages/ResponsePage.aspx?id=2wiNG578IUSVNX03nMog5-cddYkiqABMjCRGanEkRJVUM1A0UzVHQ0pTWUVYMTU1T0VJUFRVTjFFTS4u> Perhaps do this early in Fall, right before classes start, before everyone gets overbooked.**Notes:****MEETING ADJOURNED: 11:02am**

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Meeting Date: **April 21, 2022 at 10:10am** Zoom: <https://calpoly.zoom.us/j/89163947040>Meeting Convened: **10:11am****ATTENDANCE:**

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APOLOGIES: Rebekah Oulton teaches at this time,

QUORUM: Required attendance of committee for quorum is 7/12 Committee members present: 5 Quorum?: ☐ Yes ☒ No

Invited GUESTS: Braun (Emeritus Chair), Megan Correa, University Climate Ambassador for the Global Climate Pledge, Hadley Willman of Global Climate Pledge

AGENDA/Minutes: Minutes Recorded By: Jonathan Reich**10:10am: Announcements:**

Welcome James Francucci new ASI rep. to ASSC.

When to have next meeting? **Ajay Kathuria offered to help with meeting calendar as "secretary" or "co-chair" of ASSC next year.**

Paul Anderson, Computer Science, and Erin Pearse, Math are joining ASSC next year.

Wednesday, May 4th: Deadline for proposed Academic Senate resolutions to be sent to Sarah Best in order to be considered this academic year**News:** Senate Bill 1173, the CalPERS and CalSTRS divestment from fossil fuels bill, passed out of the Senate Judiciary Committee.

Excellent PBS program Frontline 3 part series on how fossil fuels industry money and lies destroyed our chance to halt climate change:

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California Ran on Nearly 100% Clean Energy This Month

<https://www.bloomberg.com/news/articles/2022-04-14/california-ran-on-nearly-100-clean-energy-this-month?srnd=green&sref=qm26bHqj>

For the first time, wind power eclipsed both coal and nuclear in the U.S

<https://www.npr.org/2022/04/14/1092806582/wind-power-energy-source>

Discussed student govt. and involvement a lot.

Guest Hadley Willman of Global Climate Pledge (a very impressive intercollegiate student organization) <https://www.globalclimatepledge.com>**1. Re. the Annual Joint SAC/ASSC Meeting, and tomorrow, Friday April 22 Sustainability Charrette, does ASSC need to do anything in particular?****Per Kylee:** Do a little prep work- We will be focused on STARS and the purpose of a charrette is to get real work done during the meeting. If you aren't familiar with STARS, please skim through these two links before Friday: [CP 2019 STARS report](#) & [STARS technical manual](#).

The goal of the charrette has been set to help Cal Poly raise its AASHE STARS rating. Does ASSC want to focus on any certain issues?

E.G. increasing number of SUSCAT courses, doing more sustainability research, accelerating Cal Poly's achievement of Carbon Neutrality - or Related issues such as how staff/faculty housing could meaningfully address many sustainability issues together?

There is much interest this year from Eds.408 students on how the university could/should exercise more "consumer sovereignty" in procurement such as some universities do and many cities do and even the state of California does.

How to address upper admin. "fear" of sustainability costs.

Discussed food rating in AASHE STARS and why UCSC & UC Davis did not score higher

2. Continue discussion of Erin Pearse's suggestion there be a "Sustainability Overlay" requirement (similar to USCP) or a Sustainability pathway in GE and addressing the Catch-22 of adding a subject overlay requires courses be available - but getting courses available depends on them being required. (See also **Megan Correa** email attached) And, if we have SLOs, why aren't they "required" or assessed? Per Bruno Giberti's suggestion to Dianna – how can we get the "assessment council" to explicitly add the SLOs to the Core competence plan? (Nguyen is meeting with CAFES dean to work on SLOs assessment at CAFES level (!) <https://academicprograms.calpoly.edu/assessment/aac> <https://academicprograms.calpoly.edu/assessment/aac/members> & <https://ulo.calpoly.edu/>

Discussed potential requirement for sustainability courses and assessment of the SLOs

Dianna discussed issue of correlation of GE units requirements at UC, CSU, CCs UC system requires fewer GE units.

Bottom line it's hard to add GE course requirement.

Dianna suggests instead how sustainability can be insinuated into existing courses similar to GWR writing requirement.

Need to get on agenda of assessment committee agenda

3. Proposal for maintaining and updating SUSCAT (re. our committee charges: Jon Fernsler suggested a once-a-year reach-out to faculty teaching SUSCAT courses to: "...gently remind them that their course is listed on SUSCAT, provide our SUSCAT webpage link, showing their course is part of a broader university initiative and mission statement and that students can find their course on SUSCAT" and maybe send a "SUSCAT update" form on OneDrive similar to the existing document Kylee's modifying where faculty nominate their course for SUSCAT.

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Perhaps do this early in Fall, right before classes start, before everyone gets overbooked.

MEETING ADJOURNED: 11:03am

ASSC Spring Quarter 2022 Meetings: (Meetings to be held over Zoom)

- ~~10:10am~~ Thurs. April 7 -
- ~~2-3pm~~ Tuesday April 19, or ~~10-11am~~ Thursday April 21
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- **10:10am** Thurs. June 2 -

Academic Senate Sustainability Committee 2021-2022: (Note the vacancies)

Name	Department	College/Unit	Office	@calpoly.edu	Exp Term
Chiu, Yiwen	NRES	CAFES	62972	yichiu	2019
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Francucci, James	Student	ASI	61281	jfrancuc	2023(?)EO (ASI)
Kathuria, Ajay	IT & Pkg	OCOB	62944	akathuri	2023
Kim, Andrew	Student	ASI	61281	akim195	EO (ASI)
Oulton, Rebekah	CE	CENG	61367	roulton	2022
Peters, Jason	English	CLA	62862	jpeter65	2022
Reich, Jonathan (CH)	Arch	CAED	805-801-8848	jreich	2023
Singh, Kylee	Enrg,Ut&Sust	Admin	65397	ksingh	EO (Enrg,Ut&Sust)
Winslow, Dianna	CTLT	Admin	67526	dwinslo	EO (VP Acad Prog&Png)
Winslow, Dianna	CTLT	Admin	67526	dwinslo	EO (Acad Dean)
Vacant	FacPlang	Admin	-----	-----	EO (Dir/FacPng)

Cal Poly Sustainability Learning Objectives ("SLOs"): ¹

Cal Poly defines sustainability as the ability of the natural and social systems to survive and thrive together to meet current and future needs. In order to consider sustainability when making reasoned decisions, all graduating students should be able to:

- Define and apply sustainability principles within their academic programs
- Explain how natural, economic, and social systems interact to foster or prevent sustainability
- Analyze and explain local, national, and global sustainability using a multidisciplinary approach
- Consider sustainability principles while developing personal and professional values

Academic Senate Resolution 688-09 approved by President Baker June 22, 2009

Sustainability Committee Charges for 2021-22: ²

- Review and modify committee procedures and bylaws as needed. Ongoing
- Develop and pilot more SLOs assessments. Ongoing
- Respond to AS-787-14. Ongoing
 1. Review new courses in the 2021-2022 catalogs for SUSCAT.
 2. Encourage faculty to teach sustainability in new and existing courses.
 3. Work with the CTLT to provide support for faculty seeking to teach classes involving sustainability.
- Assist Registrar to implement AS-923-21 by identifying SUSCAT courses in the catalog & Schedule Builder. Ongoing
- Respond to 2014 CSU Sustainability Policy directives. Ongoing
- "The CSU will seek to further integrate sustainability into the academic curriculum working within the normal campus consultative process.
 1. The CSU will develop employee and student workforce skills in the green jobs industry, promote the development of sustainable products and services, and foster economic development."
 2. Related: Coordinate with Academic Senate Executive Committee to possibly invited Erin Pearce to brief the Academic Senate on Cal Poly's Institute for Climate Leadership and Regional Resilience. AY 2021-22
- Support continuing campus efforts to improve Cal Poly's AASHE STARS certification credits. Ongoing
- Work with students to better integrate approaches to sustainability inside and outside the classroom/curriculum. Ongoing
- Discuss with FAC sustainability in hiring and RPT policies and procedures. AY 2021-22
- Work with students and dining services to source food from campus and local sources. AY 2021-2022
- Work with students, WOW, and AFD to improve recycling/composting/zero waste WOW training. AY 2021-2022
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- Work with academic advisors to help students find sustainability courses. AY 2021-2022

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From: Kylee Lynn Singh <ksingh@calpoly.edu>
Sent: Monday, April 4, 2022 5:58 PM
To: megan correa <megancss19@gmail.com>; Jonathan W. Reich <jreich@calpoly.edu>; Jenell Rae Navarro <jnavar18@calpoly.edu>
Subject: Re: Environmental Course Requirement

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Jonathan,

maybe we could invite Megan to the upcoming ASSC to present her idea and fill her in on what we are doing?

Megan, it would also be good to have you at our upcoming charrette, here is the RSVP

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Thank you for this work!

Kylee Singh (She, her, hers)

Sustainability Coordinator

Energy, Utilities and Sustainability

Facilities Management and Development

Cal Poly

San Luis Obispo, California

Desk 805-756-5397

ksingh@calpoly.edu

sustainability.calpoly.edu

From: megan correa <megancss19@gmail.com>
Sent: Monday, March 28, 2022 3:13 PM
To: Jonathan W. Reich <jreich@calpoly.edu>; Kylee Lynn Singh <ksingh@calpoly.edu>; Jenell Rae Navarro <jnavar18@calpoly.edu>
Subject: Environmental Course Requirement

Hello all,

I am reaching out to propose the implementation of a sustainable course requirement in the general education catalog here at Cal Poly. I am a University Climate Ambassador for the Global Climate Pledge, and this is one of our most exciting and impactful initiatives. We are also working with ambassadors from other campuses to achieve the same thing and are making good progress at UCLA and Lawrence University. A concrete understanding of climate change and sustainability is critical for every student to have, no matter what sector they go into, because sustainable practices can be implemented in every area to mitigate climate change.

I know this is not an easy task, and I am happy to work with you all to find a way to make this happen! I know that in light of the Black Lives Matter movement in 2020, Cal Poly is now implementing a required Ethnic Studies course into future catalogs. I was even thinking of implementing a small section on the environment into one or more of these classes, in order to avoid adding too many classes for students, since environmental justice and racism are important topics as well.

I am lucky to be an Environmental Management and Protection major here at Cal Poly and feel that I have a deep knowledge about the environment, and the risks it and we are facing, but overall, I believe that most students who are in other majors are not as aware of their role within the climate crisis. Climate change is one of the most threatening problems that our world faces, and it is essential that students are prepared to be a part of the change-making process, starting in college.

There are many schools that have already implemented this requirement, such as Dickinson. At Dickinson, there are [over 100 courses](#) that meet this requirement, and they each must address the three key dimensions of sustainability: social, economic, and environmental. At the end of the first semester in which this requirement was implemented, [88% of students](#) were taking at least two courses that fulfilled this requirement, and 54% took four or more. This perfectly demonstrates that students want to learn more about how to protect the environment and will rise above and beyond when given the opportunity to educate themselves and get involved.

I would love to set up a call in the coming weeks to discuss the feasibility of this idea at Cal Poly. Please let us know days and times that work for you.

Thank you for your consideration,

Megan Correa



Andrew Kim



Jonathan Reich



Hadley Willman



Ajay

James Francucci (he/him)

James Francucci (he/him)



Megan Correa



Dianna Winslow (she/her/hers)



David Braun



17604272472

Academic Senate Sustainability Committee (ASSC)**Minutes****Spring 2022****Meeting Date:** **April 7, 2022 at 10:10am****Zoom:** <https://calpoly.zoom.us/j/89163947040>**Meeting Convened:** **10:12am****ATTENDANCE:**☒ **Chiu, Yiwen**, NRES Faculty CAFES☐ **Elliot, Dennis**, FacSvcs, VP/Adm&Fin Rep (EO)☐ **Fernsler, Jonathan**, Physics Faculty CSM☒ **Kathuria, Ajay**, IT & Pkg Faculty OCOB☒ **Kim, Andrew** Student, ASI Rep (EO)☐ **Oulton, Rebekah**, CE ENVE Faculty CENG☐ **Peters, Jason**, English Faculty, CLA☒ **Reich, Jonathan** (CH) Arch Faculty CAED☐ **Raynes, Chris** Student, ASI Rep (EO)☐ **Singh, Kylee** Enrg&Sustain Admin(EO) (on leave)☒ **Winslow, Dianna** CTLT VP Prog&Png Rep (EO)☐ **Vacant**, PCS Rep (EO)**APOLOGIES:** Rebekah Oulton teaches at this time, Chris Raynes has a class at this time.**QUORUM:** Required attendance of committee for quorum is 7/12Committee members present: **5**Quorum?: ☐ Yes ☒ No**GUESTS:** Braun (Emeritus Chair), ~~Megan Correa~~, University Climate Ambassador for the Global Climate Pledge**AGENDA/Minutes:** **Minutes Recorded By:** Jonathan Reich**10:10am: Announcements:** When to have next meeting? **Tues 4/19 2-3pm?**

Do Sustainability champion awards still need reviewers?.

Paul Anderson, Computer Science, and Erin Pearse, Math are joining ASSC next year.

Kylee Singh asked ASSC folks to review this invite list and let her know if there are people we want to make sure get invited to the charrette:

https://cpslo-my.sharepoint.com/:x/g/personal/ksingh_calpoly_edu/EWSLFWHB89IEgCKnW1UrFe4BKZLN5fgMfSeJTKRUNNVXg?e=1JK9k8

1. Re. the Annual Joint SAC/ASSC Meeting, and the upcoming Friday April 22 Sustainability Charrette, does ASSC need to do anything in particular? The goal of the charrette has been set to help Cal Poly raise its AASHE STARS rating. Does ASSC want to focus on any certain issues? E.G. increasing number of SUSCAT courses, doing more sustainability research, accelerating Cal Poly's achievement of Carbon Neutrality - or Related issues such as how staff/faculty housing could meaningfully address many sustainability issues together?

How to address upper admin. "fear" of sustainability costs.

- Braun suggests ongoing assessment of SLOs, changing the mindset from over-consumption, changing the culture,
- JR: we can highlight things Cal Poly
- Long discussion about why can't Cal Poly score higher in the food category of AASHE STARS?

2. Continue discussion of Erin Pearse's suggestion there be a "Sustainability Overlay" requirement (similar to USCP) or a Sustainability pathway in GE and addressing the Catch-22 of adding a subject overlay requires courses be available - but getting courses available depends on them being required. And, if we have SLOs, why aren't they "required" or assessed? Per Bruno Giberti's suggestion to Dianna – how can we get the "assessment council" to explicitly add the SLOs to the Core competence plan? (Nguyen is meeting with CAFES dean to work on SLOs assessment at CAFES level (!))

- Need to find out who "assessment council" is and when they meet?

<https://academicprograms.calpoly.edu/assessment/aac><https://academicprograms.calpoly.edu/assessment/aac/members><https://ulo.calpoly.edu/>

Dianna Winslow suggests: Check out the "ULO Project Archive" and adds the recent addition of the Ethnic Studies requirement is the DLO addition I was thinking of. and yes, the DLOs are now on Michael's plate to assess.

3. Proposal for maintaining and updating SUSCAT (re. our committee charges: Jon Fernsler suggested a once-a-year reach-out to faculty teaching SUSCAT courses to: "...gently remind them that their course is listed on SUSCAT, provide our SUSCAT webpage link, showing their course is part of a broader university initiative and mission statement and that students can find their course on SUSCAT" and maybe send a "SUSCAT update" form on OneDrive similar to the existing document Kylee's modifying where faculty nominate their course for SUSCAT. <https://forms.office.com/Pages/ResponsePage.aspx?id=2wING578IUSVNx03nMog5-ccdYkiqABMjCRGanEkrJVUM1A0UzVHQ0pTWUVYMTU1T0VJUFRVTjFFTS4u> Perhaps do this early in Fall, right before classes start, before everyone gets overbooked.

Attachments:

- Spring ASSC meeting Doodle poll,
- AS Carbon Neutrality date resolution,

- AASHE STARS "Path to Platinum chart,"
- Draft new CSU sustainability policy

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Kylee Singh (She, her, hers)

Sustainability Coordinator

Energy, Utilities and Sustainability

Facilities Management and Development

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San Luis Obispo, California

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Please let us know days and times that work for you.

Thank you for your consideration,

Megan Correa

California State University Sustainability Policy Proposed Revisions

Summary

In order for Sustainability to be successful, it must be pluralistic and inclusive; encompass human and ecological health, social justice, secure livelihoods; and create a better world for all generations without compromising the needs of the current one. Sustainability is an integral value to the CSU's mission of providing an affordable, high-quality education. Through this mission, CSU has become one of the most economically and culturally diverse universities in the world. CSU campuses are listed as 10 of the 20 top performers of upward economic mobility in the United States. Students, faculty, and staff are given access to a good education and well-paying jobs through a fiscally responsible budget.

This policy is intended to promote the environmental sustainability of CSU's operations, bringing it to the same high level as its social and fiscal sustainability activities and position the nation's largest university system as a leader in the stewardship of living and built environment, research, learning, and teaching to graduate students who are able to solve the complex challenges of the world.

Attachment A illustrates the proposed policy revisions showing *italic* and ~~strikethrough~~ fonts to highlight significant changes. Parenthetical notes are used to identify policy changes that have occurred over time. Comments from the Board of Trustees will be incorporated into a final policy that will be presented in March 2022 for consideration and approval.

University Sustainability

1. The CSU will seek to further integrate sustainability *and climate literacy* into the academic curriculum working within the normal campus consultative process. *Activities can include but will not be limited to supporting multi-disciplinary course development, harnessing the campus as a living laboratory model, connecting sustainability with social justice, strengthening community partnerships, and creating departmental / intuitional learning outcomes. Progress shall be measured through the use of the AASHE STARS¹ platform. (14-New; 22-Revise)*
2. *The CSU shall promote environmental and social justice through new and existing Diversity, Equity, & Inclusion (DE&I) programs and the CSU Basic Needs Initiative. In addition to any mandatory reporting requirements, campuses are encouraged to report DE&I progress*

¹ Association for the Advancement of Sustainability in Higher Education's Sustainability Tracking and Reporting System (STARS). For more information and to access the reporting platform, please visit: <https://stars.aashe.org/>

through the AASHE STARS platform.

3. The CSU will *educate, advance, and extend knowledge on climate literacy—develop employee and student workforce skills in the green jobs industry, promote the development of sustainable products and services, and foster a workforce adequately skilled respond to the climate crisis economic development.* (14-New; 22-Revise)
4. The CSU will pursue sustainable practices in all areas of the university, including:
 - a. business operations such as procurement; information technology; student services; food services; *events*, facilities operations; design and construction; and
 - b. self-funded entities such as student housing, student unions, parking *and transportation*, children's centers, and auxiliary operations. (14-New; 22-Revise)
5. Each CSU is ~~encouraged to~~ *will* designate a sustainability officer/*staff member* responsible for ~~carrying out planning~~ and/or coordinating campus sustainability program efforts. (14-New; 22-Revise)
6. *Each CSU is encouraged to leverage the AASHE STARS platform as a sustainability plan that may be incorporated into campus strategic plans including, but not limited to, campus master plans.*

Climate Action Plan

1. ~~The CSU will strive to reduce systemwide facility greenhouse gas (GHG) emissions to 1990 levels, or below, by 2020 consistent with AB 32, California's Global Warming Solutions Act of 2006 (HSC §38550). CSU will reduce systemwide facility carbon emissions to 40 percent of 1990 levels, or below, by 2030 consistent with SB 32, California's Global Warming Solutions Act of 2006 (HSC §38566, effective January 1, 2017).~~ Emissions will include both state and auxiliary organization purchases of electricity and natural gas; fleet, marine vessel usage; and other emissions the university or self-support entity has direct control over. The Chancellor's Office staff will provide the baseline 1990 facility emission levels (for purchased electricity and natural gas) for the campuses that existed at that time and assist campuses added to the CSU after 1990 to determine their appropriate baseline. (14-New; 22-Revise)
2. The CSU will strive to reduce facility carbon ~~GHG~~ emissions to 80 percent below 1990 levels by 2040. *Campuses shall achieve carbon neutrality by 2045 in accordance with Statewide mandates. Campus tracking and reporting of GHG inventory will use the Second Nature reporting platform, or equivalent, with consideration to campus requested improvements.*

~~Campus tracking and reporting of GHG inventory will be grounded in the American College and University President's Climate Commitment guidelines or equivalent, with consideration to campus requested improvements. Metrics will include GHG emissions per FTE. (14-New; 22-Revise)~~

Energy ~~Independence~~ Resilience and Procurement

1. The CSU will pursue energy procurement and production to reduce energy capacity requirements from fossil fuels, *enhance electrical demand flexibility*, and promote energy ~~independence~~ *resilience* using available economically feasible technology for on-site ~~and/or~~ renewable generation, *microgrids, and other fossil fuel-free energy storage solutions*. The CSU shall endeavor to increase its self-generated *renewable energy and battery* capacity from 32 ~~44 to~~ 80 megawatts (MW) by ~~2030~~ *2020*. (05-New; 14-Revise; 22-Revise)
2. The CSU will consider cost effective opportunities to exceed the State of California and California Public Utilities Commission Renewable Portfolio Standard (RPS) sooner than the established goal of procuring ~~33~~ *60* percent of its electricity needs from renewable sources by ~~2020~~ *2030 consistent with SB 100 (PUC§399.11)*. (05-New; 14-Revise; 22-Revise)
3. *To minimize use of natural gas, campuses will transition from fossil-fuel sourced equipment to electric as replacements or renovations are needed. Any in-kind fossil-fuel sourced equipment will be justified through an analysis which demonstrates why that solution represents the most cost-effective option and what alternatives were analyzed for comparative purposes. The intention of this item shall be no new investment in, or renewal of, natural gas assets or infrastructure as part of campus projects starting July 1, 2035, with the exception of critical academic program needs.* (22-New)

Energy Conservation, Carbon Reduction and Utility Management

1. All CSU buildings and facilities, regardless of the source of funding for their operation, will be operated in the most energy efficient *manner and transition to a low carbon strategy* without endangering public health and safety and without diminishing the quality of education and the academic program. (78-Adopt; 88-Revise; 01-No Change; 04-No Change; 14-Revise; 22-Revise)
2. All CSU campuses shall continue to identify energy efficiency *and carbon reduction* improvement measures to the greatest extent possible, undertake steps to seek funding for their implementation and, upon securing available funds, expeditiously implement the measures. (78-Adopt; 88-Revise; 01-No Change; 04-No Change; 14-Revise; 22-Revise)

3. The CSU will cooperate with federal, state, and local governments and other appropriate organizations in accomplishing energy conservation, *and carbon reduction*, and utilities management objectives throughout the state; and inform students, faculty, staff and the general public of the need for and methods of energy conservation, *and carbon reduction*, and utilities management. (78-Adopt; 88-Revise; 01-No Change; 04-No Change; 14-No Change; 22-Revise)
4. Each CSU campus shall designate an energy/utilities *management and sustainability staff* with the responsibility and the authority for carrying out energy conservation and utilities management programs. The Chancellor's Office will have the responsibility to coordinate the individual campus programs into a systemwide program. (78-Adopt; 88-Revise; 01-No Change; 04-No Change; 14-No Change; 22-Revise)
5. The CSU will monitor monthly energy and utility usage on all campuses and the Chancellor's Office and will prepare a systemwide annual report on energy utilization and greenhouse gas emissions. The Chancellor's Office will maintain a systemwide energy database in which monthly campus data will be compiled to produce systemwide energy reporting. Campuses will provide the Chancellor's Office the necessary energy and utility data, such as electricity and natural gas consumption; water and sewer usage; fuel consumed by fleet vehicles, boats, and ships; waste disposal for the systemwide database in a timely manner. (78-; 88- Adopt; 01-Revise; 04-No Change; 14-Revise; 22-No Change)
6. Each CSU campus ~~is encouraged to~~ *shall* develop and maintain a campus-wide *utility master plan which includes an integrated strategic energy resource plan*, with tactical recommendations in the areas of new construction, *decarbonization*, deferred maintenance, *climate resilience*, facility renewal, energy projects, water conservation, solid waste management, and an energy management plan. This plan will *be updated every five years and* guide the overall energy *and climate action* program at each campus. (78-Adopt; 88-Revise; 01-Revise; 04-Revise; 14-Revise; 22-Revise)

Water Conservation

1. All CSU campuses shall pursue *cost effective* water resource conservation to reduce consumption by 10 percent by 2030, *as compared to a 2019 baseline*, ~~by 10 percent by 2016, and 20 percent by 2020 consistent with AB 1668 (Water Code §10609)~~ including such steps to develop sustainable landscaping, *reduce turf*, install controls to optimize irrigation water use, reduce water usage in restrooms, showers, *fountains and decorative water features*, and promote the use of reclaimed/recycled water. In the event of a declaration of drought, the CSU

will cooperate with the state, city, and county governments to the greatest extent possible to reduce water use. (78-; 88-Adopt; 01-No Change; 04-No Change; 14-Revise; 22-Revise)

Sustainable Procurement

1. Campuses shall promote use of suppliers and/or vendors who reduce waste, re-purpose recycled material, or support other environmentally friendly practices in the provision of goods or services to the CSU under contract. This may include additional evaluation points in solicitation evaluations for suppliers integrating sustainable *and socially responsible* practices. (14-New; 22-No Change)
2. To move to zero waste, campus practices should: (1) encourage use of products that minimize the volume of trash sent to landfill or incinerators; (2) participate in the CalRecycle Buy-Recycled program or equivalent; and (3) increase recycled content purchases in all Buy-Recycled program product categories. (14-New; 22-No Change)
3. Campuses shall continue to report on all recycled content product categories, consistent with PCC § 12153-12217 and shall implement improved tracking and reporting procedures for their recycled content purchases. *Progress should be measured using the AASHE STARS platform.* (14-New; 22-Revise)
4. *Campuses shall cooperate with state initiatives to report environmental product declarations for select construction materials, consistent with PCC §3500-3505 and state mandates.* (14-New; 22-Revise)
5. *CSU campuses shall work to promote circular economies² and strive to prioritize purchases with certifications such as those outlined in the relevant sections of the AASHE STARS platform. Campuses shall seek to reduce waste when considering materials purchases, including but not limited to, office supplies, equipment, classroom supplies, and promotional and giveaway items by minimizing items that, have a short useful life, are unable to be recycled, or are made of unsustainable or carbon intensive materials.* (22-New)

Waste Management

1. Campuses shall seek to reduce ~~the landfill bound waste solid waste disposal rate~~ *to 50 percent of total campus waste by 2030, by and to 80 percent by 2040 2016, by 80 percent by 2020, and move to zero waste. Campuses shall use the AASHE STARS platform to strategize, monitor and report progress on this goal.* (14-New; 22-Revise & Move)

² Circular economies

2. *Campuses shall identify and implement cost effective opportunities for organics diversion, collection, and disposal and shall designate zero waste responsibilities for coordinating campus waste prevention, reduction and diversion efforts. Campuses will continue to report on all disposal activities using the CalRecycle State Agency Reporting Center (SARC) and are encouraged to coordinate and maintain a solid waste management plan as it is a requirement in the utility master plan.* (22-New)
3. The CSU will continue to reduce hazardous waste disposal while supporting the academic program. (14-New; 22-Move)

Sustainable Food Service

1. All campus food service organizations should track *and increase/improve* their sustainable food purchases *using the relevant AASHE STARS sections.* ~~Such tracking and reporting will be grounded in the Real Food Challenge guidelines, or equivalent, with consideration to campus requested improvements. Campuses shall strive to increase their sustainable food purchases to 20 percent of total food budget by 2020.~~ (14-New; 22-Revise)
2. Campuses and food service organizations shall collaborate to provide information and/or training *to staff and patrons on the benefits of, and how to successfully participate in* sustainable food service operations. ~~and their benefits to staff and patrons.~~ (14-New; 22-Revise)

Sustainable Building Practices

1. All future CSU new construction, remodeling, renovation, and repair projects, *regardless of funding source,* will be designed with consideration of optimum energy utilization, *decarbonization,* and low life-cycle operating costs and shall exceed all applicable energy codes and regulations (Title 24, Part 6 energy codes) by ten percent. In the areas of specialized construction that are not regulated through the current energy codes, such as historical buildings, museums, and auditoriums, the CSU will ensure that these facilities are designed to ~~consider~~ *maximize* energy efficiency. Energy efficient and sustainable design features in the project plans and specifications will be considered in balance with the academic program needs of the project within the available project budget. (78-Adopt; 88-Revise; 01-Revise; 04-Revise; 14-Revise; 22-Revise)

2. Capital planning for state, non-state facilities and infrastructure shall consider features of a sustainable and durable design to achieve a low life cycle cost. *Campuses shall design, construct, operate, and maintain green building certified high performing buildings, regardless of funding source, that improve occupant productivity and wellness, optimize life-cycle costs, and minimize carbon impact.* Principles and best practices established by leading industry standards or professional organizations shall be implemented to the greatest extent possible. ~~The CSU is supportive of campuses pursuing third-party accreditation for campus facilities; however current Department of Finance (DOF) policy does not permit the use of state capital funds for such administrative costs. Therefore, campuses considering outside accreditation shall identify alternative means of funding for associated costs.~~ (04-Adopt; 14-Move; 22-Return & Revise)
3. *Existing building energy performance will be optimized through improved operation, maintenance and repair, and capital improvement, enabling campuses to meet carbon reduction goals.* Sustainable design for capital projects is a process of balancing long-term institutional needs for academic and related programs with environmental concerns. In the context of designing to provide for university and academic needs, the following attributes will be considered “sustainable:”
 - a. Siting and design considerations that optimize local geographic features to improve sustainability of the project, such as proximity to public transportation and maximizing use of vistas, microclimate, and prevailing winds;
 - b. Durable systems and finishes with long life cycles that minimize maintenance and replacement.
 - c. Optimization of layouts and designing spaces that can be reconfigured with the expectation that the facility will be renovated and re-used (versus demolished);
 - d. Systems designed for optimization of energy, water, and other natural resources;
 - e. Optimization of indoor environmental quality for occupants;
 - f. Utilization of environmentally preferable products and processes, such as *long life-cycle materials and components*, recycled-content and recyclable materials;
 - g. Procedures that monitor, trend, and report operational performance as compared to the optimal design and operating parameters.
 - h. *Cost-effective design features which align with CSU Basic Needs Initiative and support campus diversity, equity and inclusion efforts as well facilitate campus’ progress in the applicable sections of AASHE STARS.* (04-Adopt; 14-Move, 22-Return & Revise)
4. In order to implement the sustainable building goal in a cost-effective manner, the process will: identify economic and environmental performance measures; determine cost savings; use extended life cycle costing; and adopt an integrated systems approach. Such an approach treats

the entire building as one system and recognizes that individual building features, such as lighting, windows, heating and cooling systems, or control systems are not stand-alone systems. (04-Adopt; 14-Move' 22-Return)

5. Capital Planning, Design and Construction in the Chancellor's Office shall monitor building sustainability/energy performance and maintain information on design best practices to support the energy efficiency goals and guidelines of this policy. The sustainability performance shall be based on Leadership in Energy and Environmental Design (LEED) principles with consideration to the physical diversity and microclimates within the CSU. (05-New; 14-Revise; 22-No Change)
6. The CSU shall design and build all new buildings and major renovations to meet or exceed the minimum requirements equivalent to LEED Silver. Each campus shall strive to achieve a higher standard equivalent to LEED Gold or Platinum within project budget constraints. Each campus may pursue external certification through the LEED process *or alternative sustainable building rating systems. If the project is not registered through U.S. Green Building Council, then a qualified campus staff member shall evaluate the documentation necessary to determine LEED equivalence and shall attest that equivalence has been achieved.* (05-New; 14-Revise; 22-Revise)

Physical Plant Management

1. Each campus shall operate and maintain a comprehensive energy management system that will provide centralized reporting and control of the campus energy *and carbon reduction* related activities. (78-Adopt; 88-Revise; 01-Revise; 04-No Change; 14-Revise; 22-Revise)
2. *Campus energy/utilities managers will make the necessary arrangements to achieve optimum efficiency in the use of natural gas, electricity, or any other purchased energy resources to meet the heating, cooling, and lighting needs of the buildings and/or facilities. Except for areas requiring special operating conditions, such as electronic data processing facilities, or other scientifically critical areas, where rigid temperature controls are required, building and/or facility temperatures will be allowed to fluctuate between the limits stated above. Simultaneous heating and cooling operations to maintain a specific temperature in work areas will not be allowed unless special operating conditions dictate such a scheme to be implemented.* (78-; 88-Adopt; 01-No Change; 04-No Change, 14-Revise; 22- Revise)
3. To the extent possible, academic and non-academic programs will be consolidated in a manner to achieve the highest building utilization. (78-; 88-Adopt; 01-No Change; 04-No Change; 14-Revise; 22-No Change)

4. All CSU campuses shall implement a utilities chargeback system to recover direct and indirect costs of utilities provided to self-supporting and external organizations pursuant to procedures in the *CSU Policy Library Integrated California State University Administrative Manual (ICSUAM)*. (78-; 88-Adopt; 01-No Change; 04-No Change; 14-Revise;22-Revise)

Transportation

1. The CSU will encourage and promote the use of alternative transportation and/or alternative fuels to reduce GHG emissions related to university associated transportation, including commuter and business travel. *The Chancellor's Office will establish a baseline for carbon emissions from student, faculty and staff commuting and establish a systemwide reduction target.* (14-New; 22-Revise)
2. *All CSU campuses shall develop and maintain a transportation demand management (TDM) plan to reduce Vehicle Miles Traveled (VMT) and carbon emissions. This plan will be updated every five years and guide the overall transportation and parking program at each campus.* (22-New)
3. The CSU will encourage and promote the use of alternative transportation and/or alternative fuels to reduce *carbon* GHG emissions related to university associated with transportation, including commuter and business travel. (14-New; 22-Revise)
3. *Campuses shall strive to increase Electric Vehicle (EV), electric bicycle, and other electric mobility and transportation device charging infrastructure and incentive programs to further support campus carbon reduction strategies.* (22-New)
4. *Campuses shall strive to develop and maintain a long-range plan for transitioning fleet, excluding public safety patrol vehicles, and Grounds equipment to zero emissions. 50% of all light duty vehicle purchases will be ZEV by 2035, with no addition of gas-powered light duty vehicles to the fleet after 2035. All Grounds small off-road engine (SORE) equipment will be all-electric by 2035. All buses and heavy-duty vehicles will be ZEV by 2045 in alignment with State regulation.*

Recommendation

The following resolution is presented for approval:

RESOLVED, by the Board of Trustees of the California State University, that:

1. The revised Sustainability Policy in Agenda Item [XX] of the March 22, 2022 joint meeting of the CSU Board of Trustees' Committees on Educational Policy and Campus Planning, Buildings and Grounds is adopted.
2. The progress in achieving the goals stated in this revised Sustainability Policy shall be evaluated at the end of 2024-25 using the AASHE-STARs online reporting tool. Interim reports may be requested using existing campus STARs reports.
3. The chancellor or his designee is authorized to take all necessary steps to implement the intent of this policy including seeking available state, federal, grant, and private sector funds.

Thursdays 10-11am											
Participants	☆	☆	☆	☆ #2 Choice	☆	★ #1 Choice	☆	☆	☆	☆	☆
	APR	APR	APR	APR	APR	APR	APR	APR	APR	APR	APR
	5	5	5	5	7	7	7	7	7	8	8
	TUE	TUE	TUE	TUE	THU	THU	THU	THU	THU	FRI	FRI
	9:00 AM 10:00 AM	10:00 AM 11:00 AM	1:00 PM 2:00 PM	2:00 PM 3:00 PM	9:00 AM 10:00 AM	10:00 AM 11:00 AM	1:00 PM 2:00 PM	2:00 PM 3:00 PM	3:00 PM 4:00 PM	9:00 AM 10:00 AM	10:00 AM 11:00 AM
	👤 3	👤 6	👤 5	👤 7	👤 4	👤 8	👤 5	👤 5	👤 6	👤 3	👤 4
JR Jonathan Reich You	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
YC Yiwen Chiu	✗	✗	✗	✗	✗	✓	✗	✗	✗	✗	✗
JF Jonathan Fernsler	✗	✓	✓	✓	✗	✓	✓	✓	☺	✗	✓
D Dianna	✗	✓	✓	✓	✗	✓	✓	✗	✓	✗	✗
JP Jay Peters	✗	✓	✗	✓	✗	✓	✓	✓	✗	✗	✗
KS Kylee Singh	✗	✗	✓	✓	✓	✓	✗	✗	✗	✗	✗
J Reich <i>Oops. I mistakenly filled out the poll twice</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
AK Ajay Kathuria	✓	✓	✗	✗	✓	✓	✗	✗	✓	✓	✓
RO Rebekah Oulton	✗	✗	✗	✓	✗	✗	✗	✓	✓	✗	✗

Academic Senate Sustainability Committee Spring 2022 Meeting Times Doodle Poll

JReich 4/3/22