## ACADEMIC SENATE – SUSTAINABILITY COMMITTEE

Fall 2019

Due: Friday, December 20, 2019

<table>
<thead>
<tr>
<th>MEMBERS</th>
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## CHARGES

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<thead>
<tr>
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<tbody>
<tr>
<td>Develop and pilot more SLOs assessments. <strong>Ongoing</strong></td>
<td></td>
<td>In progress. See Sept. 24 minutes. We formed a Sustainability Assessment sub-committee (Braun, Yiwen Chiu, and Kylee Singh) to work with Michael Nguyen, the new Director of Assessment in Academic Affairs. The sub-committee met twice with Michael Nguyen. Other meetings took place with faculty and students interested in creating, deploying, and analyzing the results of sustainability assessment instruments.</td>
</tr>
<tr>
<td>Respond to AS-787-14:</td>
<td></td>
<td>1. In progress.</td>
</tr>
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<td>2. Encourage faculty to teach sustainability in new and existing courses. <strong>AY 2019-2020</strong></td>
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<td>3. Work with the CTLT to provide support for faculty seeking to teach classes involving</td>
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<td>Task</td>
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<tr>
<td>Develop procedures to identify sustainability courses in catalog on PASS.</td>
<td>Ongoing</td>
<td>In progress. See Sept. 24, Oct. 22, and Nov. 5 meeting minutes and p. 8-9 below. Discussion resulted in the RESOLUTION ON ADDING A SUSTAINABILITY CATALOG OPTION TO SCHEDULE BUILDER submitted to the AS and agendized for the ExComm Jan. 7, 2020 meeting. The resolution reflects Schedule Builder as the planned PASS replacement.</td>
</tr>
<tr>
<td>Respond to 2014 CSU Sustainability Policy directives.</td>
<td>Ongoing</td>
<td>In progress. Discussion about the 2019 Sustainability Charette recommendations took place during the Dec. 3 meeting.</td>
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<td>Support campus efforts to improve Cal Poly’s AASHE STARS certification credits.</td>
<td>Ongoing</td>
<td>In progress. See the Sept. 24, Oct. 8, Oct. 22, Nov. 5, and Dec. 3 meeting minutes. The ASSC contributed to a few Academic/Curriculum credit categories. The data collection and certification process submitted by Kylee Singh on Sept. 19, 2019 earned Cal Poly a gold rating. The full report appears here: <a href="https://reports.aashe.org/institutions/california-polytechnic-state-university-ca/report/">https://reports.aashe.org/institutions/california-polytechnic-state-university-ca/report/</a></td>
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<td>Work with students to better integrate approaches to sustainability inside and outside the classroom curriculum.</td>
<td>Ongoing</td>
<td>In progress. See Oct. 8, Oct. 22, Nov. 5, and Dec. 3 meeting minutes regarding collaborations with various student-led initiatives.</td>
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<td>Resolution on Second Nature Climate Commitment Target Date.</td>
<td>AY 2019-2020</td>
<td>In progress. See Oct. 8, Oct. 22, and Nov. 5 meeting minutes. Discussions resulted in a draft</td>
</tr>
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</table>
NOTES:

The Committee met five times during Fall quarter. Above please find a table summarizing the committee charges and progress made. Below, please find the detailed meeting minutes on pp. 10 – 25.

Report Appendices:

Memo to Provost Search Committee: Need to consider sustainability in Provost search process p. 4-7
res_ScheduleBuilder_SUSCAT_optionV1.docx p. 8-9
Meeting Minutes p. 10-22
Dear Dean Fleischer, Dustin Stegner, and other Search Committee Members,

The Academic Senate Sustainability Committee (ASSC) requests that the Provost Search Committee seek a new Provost who values and prioritizes sustainability. The ASSC discussed this request during their Sept. 24 and Oct. 8 meetings and decided to send this memo.

The ASSC observes that Cal Poly continues to silo Sustainability and Diversity apart from one another in a way that separates the conversations and actions, inefficiently and ineffectively employs the various stakeholders, and delays progress.

Sustainability and Diversity represent two aspects of the same concepts. Treating them separately, with different groups addressing related concerns independently, means that stakeholders must either devote additional time and resources to bridge communication, or, more typically, work in distinct vacuums. The 1987 Brundtland Commission Report, Our Common Future, describes the Sustainability/Diversity nexus in Chapters 1 & 2:

"Even the narrow notion of physical sustainability implies a concern for social equity between generations, a concern that must logically be extended to equity within each generation." Paragraph 3 (Ch. 2)

"Hence, our inability to promote the common interest in sustainable development is often a product of the relative neglect of economic and social justice within and amongst nations." Paragraph 26 (Ch. 2)

"... widespread poverty is no longer inevitable. Poverty is not only an evil in itself, but sustainable development requires meeting the basic needs of all and extending to all the opportunity to fulfill their aspirations for a better life. A world in which poverty is endemic will always be prone to ecological and
Leadership intended to foster Sustainability and Diversity as two facets of the same common future could benefit the campus and surrounding communities in multiple ways.

In order to probe candidates about this need, the ASSC recommends asking questions about Sustainability and Diversity. Successful candidates should invoke connections to Diversity and Social Equity, when addressing Sustainability questions. And, they should describe connections to Sustainability, when addressing Diversity questions.

The candidates could also respond to queries about how to lead efforts to support CSU Sustainability Policy directives and how to support President Armstrong’s signing of the Second Nature Climate Leadership Commitment, which, in addition to achieving carbon neutrality and climate resilience ASAP, mandates that we infuse these topics throughout curriculum, research, and student experience.

Signed by the following Academic Senate Sustainability Committee members:

David Braun (EE, CENG)
Yiwen Chiu (NRES, CAFES)
Jonathan Fernsler (Physics, CSM)
Joong Min Shin (IT, OCOB)
Jason Peters (English, CLA)
Jonathan Reich (Arch, CAED)
Alena Andrews (Student, ASI)
Dennis Elliot (Facility Services)
Julia Hizami (Student, ASI)
Jeffrey Dumars (Facilities Planning)
Kylee Singh (Energy and Sustainability, Facilities)

David Braun Electrical Engineering Department 805-756-1464 [Tel]
Cal Poly State University 805-756-1458 [Fax]
San Luis Obispo, California 93407 U.S.A. dbraun@calpoly.edu
http://courseware.ee.calpoly.edu/~ dbraun/
http://www.ee.calpoly.edu/faculty/dbraun/

Attachments:

ASSC_MemoToProvostSearchV2.docx 27 bytes
MEMORANDUM

TO: Amy Fleischer, Chair, Provost Search Committee

FROM: David Braun, Chair, Academic Senate Sustainability Committee

DATE: Oct. 8, 2019

COPIES: Dustin Stegner, Academic Senate Chair
Provost Search Committee Members
ASSC Members

SUBJECT: Need to consider sustainability in Provost search process

The Academic Senate Sustainability Committee (ASSC) requests that the Provost Search Committee seek a new Provost who values and prioritizes sustainability. The ASSC discussed this request during their Sept. 24 and Oct. 8 meetings and decided to send this memo.

The ASSC observes that Cal Poly continues to silo Sustainability and Diversity apart from one another in a way that separates the conversations and actions, inefficiently and ineffectively employs the various stakeholders, and delays progress.

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“…widespread poverty is no longer inevitable. Poverty is not only an evil in itself, but sustainable development requires meeting the basic needs of all and extending to all the opportunity to fulfil their aspirations for a better life. A world in which poverty is endemic will always be prone to ecological and other catastrophes.” Paragraph 27 (Ch. 1)

Leadership intended to foster Sustainability and Diversity as two facets of the same common future could benefit the campus and surrounding communities in multiple ways.
In order to probe candidates about this need, the ASSC recommends asking questions about Sustainability and Diversity. Successful candidates should invoke connections to Diversity and Social Equity, when addressing Sustainability questions. And, they should describe connections to Sustainability, when addressing Diversity questions.

The candidates could also respond to queries about how to lead efforts to support CSU Sustainability Policy directives and how to support President Armstrong’s signing of the Second Nature Climate Leadership Commitment, which, in addition to achieving carbon neutrality and climate resilience ASAP, mandates that we infuse these topics throughout curriculum, research, and student experience.
RESOLUTION ON ADDING A SUSTAINABILITY CATALOG OPTION TO SCHEDULE BUILDER

WHEREAS, Resolution AS-688-09 “Resolution on Sustainability Learning Objectives”, defines Cal Poly’s Sustainability Learning Objectives; and

WHEREAS, Resolution AS-787-14 “Resolution on Sustainability”, directs the Academic Senate Sustainability Committee to develop a list of classes based on a revised Senate accepted assessment process that meet the Sustainability Learning Objectives; and

WHEREAS, Resolution AS-792-15 “Resolution on Approving Assessment Process for Courses Meeting Sustainability Learning Objectives”, identifies the process used to identify courses listed in the Sustainability Catalog (SUSCAT) now found online at http://suscat.calpoly.edu/; and

WHEREAS, The Fall 2019 PASS webpage offers an option to “Show Fully Online Classes,” although students do not have to take online classes to graduate; and

WHEREAS, The 2014 CSU Sustainability Policy states, “The CSU will seek to further integrate sustainability into the academic curriculum working within the normal campus consultative process;” and

WHEREAS, CSU and other campuses use systems to visually identify sustainability courses in their course catalogs or online registration systems; and

WHEREAS, The Second Nature Climate Commitment and the AASHE/STARS programs include curriculum components; therefore be it

RESOLVED: That the Academic Senate recommends adding to Schedule Builder a “Show Sustainability Classes” option to at least one of the Filter Options or Course Options. The attached mockup in Figure 1 shows what students might see on a Schedule Builder screen.

Proposed by: Sustainability Committee
Date: Nov. 5, 2019
Revised: 8/22
Figure 1—Concept showing how Schedule Builder could identify SUSCAT Classes. The screenshot comes from https://www.mhighpoint.com/highpoint-products/schedule-builder/.
ASSC Meeting Sept. 24, 2019 20A-206 (12:10-1:00 pm)
Fall Quarter Meeting Schedule:

Tuesday, Sept. 24 (12:10 – 1 pm, 20A-206)
Tuesday, Oct. 8 (12:10 – 1 pm, 20A-206)
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Cal Poly Sustainability Learning Objectives:
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*

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1 www.academicprograms.calpoly.edu/content/academicpolicies/sustainability_lo
ASSC Committee Charges for 2019-20:

- Identify sustainability courses. Fall 2019
- Resolution on Second Nature Climate Commitment Target Date. AY 2019-2020
- Develop and pilot more SLOs assessments.
- Respond to AS-787-14
  2. Encourage faculty to teach sustainability in new and existing courses. AY 2019-2020
  3. Work with the CTLT to provide support for faculty seeking to teach classes involving sustainability. Ongoing
- Develop procedure to identify sustainability courses in catalog and on PASS. Ongoing
  - Use AASHE/STARS sustainability focused and sustainability related lists.
- Respond to 2014 CSU Sustainability Policy directives.
  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 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

MINUTES

1. Discussion took place regarding the member’s summer sustainability related activities.
2. The committee reviewed the current version of the committee charges in anticipation of receiving the official list from the ExComm.
3. Regarding the Provost search, discussion took place regarding whether the committee should send a letter to the search committee encouraging them to seek a Provost who values and prioritizes sustainability.
4. Discussion took place regarding which resolutions to pursue this academic year, and a little brainstorming expanded the list to:
   a. Set Cal Poly’s Carbon Neutrality Date
   b. Sustainability/Diversity/Social Justice Taskforce. Jonathan Reich offered the following thought of the day: “Inequity is instability, and instability is unsustainability.” The following statements appear in Ch. 2 of the Brundtland Report:
      • “Even the narrow notion of physical sustainability implies a concern for social equity between generations, a concern that must logically be extended to equity within each generation.” Paragraph 3
      • “Hence, our inability to promote the common interest in sustainable development is often a product of the relative neglect of economic and social justice within and amongst nations.” Paragraph 26, plus Paragraphs 24 & 25 relate to this point
   c. Schedule Builder Sustainability Filter—Just need to revise the PASS resolution from last Spring to cover the new Schedule Builder, instead.
   d. Including Sustainability in Faculty and Staff hiring procedures
   e. Every major and minor must require at least one Sustainability Focused course.
   f. TGIF—The Green Initiative Fund—support Anya Poplavska’s work with the ASI Board of Directors on this project.
   g. Parking Subsidy Replacement
   h. No single use dishes or utensils on campus.
   i. No plastic water bottles on campus

2 www.academicsenate.calpoly.edu/content/acadsen_comm/sustainability
j. Fossil fuel divestment
k. Improve vegetarian and vegan food options on campus.

5. Discussion took place about forming a Sustainability Assessment sub-committee to work with Michael Nguyen, the new Director of Assessment in Academic Affairs. Braun and Ywen Chiu volunteered.

Attachments:

None
ASSC Meeting Oct. 8, 2019 20A-206 (12:10-1:00 pm)
Fall Quarter Meeting Schedule:

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Cal Poly Sustainability Learning Objectives:

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

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1 [www.academicprograms.calpoly.edu/content/academicpolicies/sustainability_lo](http://www.academicprograms.calpoly.edu/content/academicpolicies/sustainability_lo)
ASSC Committee Charges for 2019-20:

- Develop and pilot more SLOs assessments.
- Respond to AS-787-14
  2. Encourage faculty to teach sustainability in new and existing courses. AY 2019-2020
  3. Work with the CTLT to provide support for faculty seeking to teach classes involving sustainability. Ongoing
- Develop procedure to identify sustainability courses in catalog and on PASS. Ongoing
  - Use AASHE/STARS sustainability focused and sustainability related lists.
- Respond to 2014 CSU Sustainability Policy directives. Ongoing
  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 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
- Resolution on Second Nature Climate Commitment Target Date. AY 2019-2020
- Identify sustainability courses. Fall 2019

MINUTES
The meeting convened at 12:15 p.m.
1. The committee approved minutes from the Sept. 24 meeting.
2. Discussion took place regarding the draft memo to the Provost search committee. Dennis Elliot and Jonathan Reich emailed additions and edits, resulting in the attached version to send, ASSC_MemoToProvostSearchV2.docx. The following ASSC members wish to sign the memo: David Braun, Yiwen Chiu, Jonathan Fernsler, Joongmin Shin, Jason Peters, Jonathan Reich, Alena Andrews, Dennis Elliot, Julia Hizami, Jeffrey Dumars, and Kylee Singh.
3. Discussion took place regarding the draft of a resolution to set Cal Poly’s Carbon Neutrality Date. See res_CarbonNeutralDateV1.docx. Several members volunteered to write whereas clauses for the resolution. Dennis Elliot advocates aligning the resolution with his efforts to prepare a strong business case.
4. Discussion took place regarding other resolutions to pursue this academic year:
   b. Including Sustainability in Faculty and Staff hiring procedures. No action.
   c. Recommend cluster hires for thematic pathway in Sustainability. P. Bennet volunteers to write a draft resolution.
   d. Every major and minor must require at least one Sustainability Focused course. No action.
   e. TGIF—The Green Initiative Fund. No action. The ASSC awaits the draft resolution from Anya Poplavskaya.
   f. Parking Subsidy Replacement. No action.
   g. No single use dishes or utensils on campus. A. Andrews and J. Hizami are moving this forward in the ASI government.
   h. No plastic water bottles on campus. A. Andrews and J. Hizami are moving this forward in the ASI government.
   i. Fossil fuel divestment. No action.
   j. Improve vegetarian and vegan food options. No action.

2 www.academicsenate.calpoly.edu/content/acadsen_comm/sustainability
The meeting adjourned at 1:03 p.m. Additional meetings took place Monday, Oct. 7, 10:32-11:00 a.m. with A. Andrews and J. Hizami and Tuesday, Oct. 8, 2:20-3:01 p.m. with J. Peters.

Attachments:

1. ASSC_MemoToProvostSearchV2.docx
2. res_CarbonNeutralDateV1.docx
ASSC Meeting Oct. 22, 2019 20A-206 (12:10-1:00 pm)

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

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1 [www.academicprograms.calpoly.edu/content/academicpolicies/sustainability_lo](http://www.academicprograms.calpoly.edu/content/academicpolicies/sustainability_lo)
ASSC Committee Charges for 2019-20:

- Develop and pilot more SLOs assessments.
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  1. Review new courses in the 2019-2020 catalog for SUSCAT. **AY 2019-2020**
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  - Use AASHE/STARS sustainability focused and sustainability related lists.
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  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 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**
- Resolution on Second Nature Climate Commitment Target Date. **AY 2019-2020**
- Identify sustainability courses. **Fall 2019**

MINUTES
The meeting convened at 12:15 p.m.
1. The committee approved minutes from the Oct. 8 meeting.
2. K. Singh announced that Cal Poly achieved STARS Gold recognition with a score of 70.16 points. This represents an improvement from the prior Silver level score of 62.5.
3. Discussion took place regarding the draft of a resolution to set Cal Poly’s Carbon Neutrality Date. The version res_CarbonNeutralDateV3.docx includes notes added during the meeting. The committee agreed to keep working to improve this resolution over a several month timeline.
4. Discussion took place regarding J. Peters’ draft of the resolution to establish a Sustainability/Diversity/Social Justice Taskforce.
5. Discussion took place regarding the ScheduleBuilder SUSCAT resolution regarding whether to hold it until after submitting the taskforce resolution. Due to the lack of a quorum, we agreed to vote by email whether to approve the resolution, which is identical to the one passed last Spring, but editing to reflect the transition from PASS to ScheduleBuilder.
6. Discussion took place regarding other resolutions to pursue this academic year:
   a. Including Sustainability in Faculty and Staff hiring procedures. No action.
   b. Recommend cluster hires for thematic pathway in Sustainability. No action.
   c. Every major and minor must require at least one Sustainability Focused course. No action.
   d. TGIF—The Green Initiative Fund. No action. The ASSC awaits further edits on the draft resolution by Anya Poplavska.
   e. Parking Subsidy Replacement. No action.
   f. No single use dishes or utensils on campus. A. Andrews and J. Hizami are moving this forward in the ASI government.
   g. No plastic water bottles on campus. A. Andrews and J. Hizami are moving this forward in the ASI government. It looks like items 6f & 6g will get combined into one.
   h. Fossil fuel divestment. No action.
   i. Improve vegetarian and vegan food options. No action.
7. Consider how to use SLOs assessment to effect changes. No action.

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2 [www.academicsenate.calpoly.edu/content/acadsen_comm/sustainability](http://www.academicsenate.calpoly.edu/content/acadsen_comm/sustainability)
8. Plan how Advancement could support sustainability progress. No action.
9. Identify new sustainability courses. No action.
10. Can faculty reduce carbon emissions associated with professional travel? Look at faculty travel as a joint project with Stan Yoshinobu and others on the inclusivitygroup-request@calpoly.edu listserv. Discussion took place regarding this topic.

The meeting adjourned at 1:10 p.m. An additional meeting took place Monday, Oct. 21, 10:32-11:00 a.m. with A. Andrews and J. Hizami.

**Attachments:**

   res_CarbonNeutralDateV3.docx
ASSC Meeting Nov. 5, 2019 20A-206 (12:10-1:00 pm)

Fall Quarter Meeting Schedule:

Tuesday, Sept. 24 (12:10 – 1 pm, 20A-206)
Tuesday, Oct. 8 (12:10 – 1 pm, 20A-206)
Tuesday, Oct. 22 (12:10 – 1 pm, 20A-206)
Tuesday, Nov. 5 (12:10 – 1 pm, 20A-206)
Tuesday, Dec. 3 (12:10 – 1 pm, 20A-206)

Committee Members (and designations)

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

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- Resolution on Second Nature Climate Commitment Target Date. **AY 2019-2020**
- Identify sustainability courses. **Fall 2019**

MINUTES

The meeting convened at 12:10 p.m.

1. The committee approved minutes from the Oct. 22 meeting.
2. Discussion took place regarding the draft resolution to form a Sustainability/Diversity/Social Justice Taskforce. Jay Peters met with the AS Diversity Committee to discuss their collaboration on the resolution. Discussion took place on how to follow up this first meeting. Would it be possible to increase collaboration between the ASSC and the ASDC by having one member of each committee join the other committee or at least attend their meetings?
3. Discussion took place regarding the Schedule Builder Sustainability Filter resolution. Based on the ten in-person and emailed yes votes, the committee recommends forwarding the resolution to the Academic Senate for their consideration.
4. Discussion took place regarding the Setting Cal Poly Carbon Neutrality Date resolution. Members continue to contribute more whereas clauses and agree to continue to do so with the idea of having the resolution completed during Winter quarter.

The meeting adjourned at 1:05 p.m. An additional meeting took place Monday, Nov. 4, 10:35-11:00 a.m. with A. Andrews and J. Hizami.

Attachments:

res_CarbonNeutralDateV4.docx

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2 [www.academicsenate.calpoly.edu/content/acadsen_comm/sustainability](http://www.academicsenate.calpoly.edu/content/acadsen_comm/sustainability)
ASSC Meeting Dec. 3, 2019 20A-206 (12:10-1:00 pm)

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MINUTES
The meeting convened at 12:14 p.m.
1. The committee approved minutes from the Nov. 5 meeting.
2. Discussion took place regarding how to move forward with TGIF—The Green Initiative Fund
   a. Could TGIF become TGEF—The Green Equity Fund?
      Then, it could fund projects in facilities, transportation, curriculum, and equity.
   b. Could it fund high efficiency hand dryers, eliminating single use water bottles, dishes, and utensils, transportation projects such as shuttles, and other projects?
   c. Discussion took place about transporting students to classes outside the campus core.
3. Discussion took place about how Advancement could support sustainability progress. Could the new advancement officer replacing Matt Ewing value sustainability? The ASSC should encourage the search committee to consider the alignment between Cal Poly’s polytechnic nature and fundraising opportunities in the untapped sustainability space.
4. Thought for the day: Is the purpose of a university to provide “parking for the faculty, sex for the students, and athletics for the alumni?” former U.C. President Clark Kerr, 1957, https://www.berkeley.edu/news/media/releases/2003/12/02_kerr.shtml

The meeting adjourned at 1:03 p.m. An additional meeting took place Monday, Nov. 18, 10:30-11:00 a.m. with A. Andrews and J. Hizami.

Attachments:

None

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2 [www.academicsenate.calpoly.edu/content/acadsen_comm/sustainability](http://www.academicsenate.calpoly.edu/content/acadsen_comm/sustainability)