Meeting Synopsis

1. Call to order
2. Campus sustainability projects and progress (Claudia Frere-Anderson and Norm Menter)
3. Review and approval of the minutes from January 17, 2019
4. Chair’s remarks
5. Good of the Order
6. Adjourn

1. Call to order

The meeting was called to order at 10:00 a.m.

2. Campus sustainability projects and progress (Claudia Frere-Anderson and Norm Menter)

Claudia Frerer-Anderson, UW Sustainability, and Norm Menter, Facilities, provided a presentation (Exhibit 1) on the updated sustainability efforts at the University.

A member asked how some efforts illustrated on the Marginal Abatement Cost Curve differ from one another (e.g. glazing retrofits and deep retrofits). Menter responded that this is a question they have as well, and they are working on consolidating and refining efforts. At this time though, it is important to understand everything that has and is being done at the University.

Menter noted that since 2015, the University has reduced its carbon footprint by 5 percent. Mike McCormick also noted that future efforts will try to capitalize on conservation savings.

A member asked how much LEED Gold and Platinum recognition costs the University. McCormick responded that there is no added cost to meet LEED Gold standards. However, meeting LEED Platinum standards do result in additional costs. The Population Health Building will be LEED Gold but not Platinum because of costs. A member asked if existing, legacy, buildings are held to LEED standards when they are retrofitted. Frerer-Anderson responded that they are not at this time, but it is likely they will in the future.

A member asked if any of the sustainability objectives have led to innovative initiatives. Menter responded that many of the objectives have led to new projects, partnerships and grants to further efforts and research.
Christoph Von Strouse, undergraduate in Urban Planning and Public Policy, also attended and shared a resolution passed by ASUW and GPSS (Exhibit 2). Von Strouse forwarded the resolution to the Faculty Senate Chair, George Sandison for Faculty Senate endorsement. Sandison requested that FCUFS review the resolution and determine how to advise the Faculty Senate. Borys, the chair, asked what timeline the council should expect to review the resolution. The council analyst informed the council that the deadlines have passed to send legislation to the Faculty Senate during the current quarter. The next Senate Executive Committee agenda deadline is March 20. The chair will share the resolution and additional documents with the council to review. The council will revisit the resolution at a future meeting.

3. Review and approval of the minutes from January 17, 2019

The minutes from January 17, 2019 were approved as written.

4. Chair’s remarks

Due to time constraints, the chair pushed her remarks to the next meeting.

5. Good of the Order

Nothing was stated.

6. Adjourn

The meeting was adjourned at 11:22 p.m.

Minutes by Lauren Hatchett, lehatch@uw.edu, council analyst

Present: Faculty: Ann Marie Borys (Chair), Rich Christie, Ashley Emery, Murray Maitland, Giovanni Migliaccio, Laura Little, Bill Rorabaugh, Bill Erdly
Ex-officio reps: John Carroll, David Tomporowski, Alena Wolotira
Guests: Mike McCormick, Claudia Frere-Anderson, Norm Menter, Christoph Von Strouse

Absent: Faculty: Jan Whittington, Ann Mescher
President’s designee: Lou Cariello
Ex-officio reps: JoAnn Taricani, Angelia Miranda, Bruce Balick

Exhibits
Exhibit 1 – FCUFS Energy and Building update 2_5_2019 (updated).pptx
Exhibit 2 – GPSS Resolution_UW Sustainability Initiative and Plan 2020.pdf
Agenda:

1. MACC/Energy Roadmap: Context and status
2. Green Building Standards
3. Steam to hot water measure
4. Incorporation into UW Sustainability Plan
2009: Climate Action Plan (CAP) created

2012: Executive Order #13 signed confirming UW commitment to Sustainability

2013-2015: Climate Action Plan Policy Committee

2014 & 2015: Presentations to President & Provost

2015: Resource Conservation Program begun

January 2018: Energy Roadmap work begins
Marginal Abatement Cost Curve

(UW Climate Action Inventory
(Marginal Abatement Cost Curve))

Encourage Distance Education On Campus Shuttle
Universal U-PASS
4545 Data Center Efficiency Upgrade
Campus Pedestrian & Bicycle Infrastructure
Zero-Emissions Building Standard
Electric Vehicle Infrastructure
Transit-Oriented Development
Steam to Hot Water Conversion
Air Travel Reduction Program
Heat Recovery Chillers with Hot Water Conversion

Each bar represents a carbon reduction strategy:
height = cost
width = amount of carbon
Hover over a bar to see more information.
measures currently being implemented

UW Climate Action Inventory
(Marginal Abatement Cost Curve)

Exhibit 1

Universal U-PASS
Campus Pedestrian & Bicycle Infrastructure
Zero-Emissions Building Standard

Building Performance Analytics
Steam & Chilled Water Submetering
Retro-commissioning
Utility Systems Maintenance and Repair
Server Virtualization
Building/Control Upgrades
measures with some barriers to launch
Green Building Standard:

• All new construction will minimally achieve most current LEED Gold

• In addition all new construction will meet the following targets:

  *Energy*: 15% more efficient than local city code

  *Water*: 50% more efficient than local city code
Green Building Standard Committee

- **Project leader:** Mike McCormick, AVP Facilities Asset Management
- **Project manager:** Claudia Frere-Anderson, UW Sustainability

- **Members:**
  
  John Schaufelberger, CBE  
  Steve Tatge, Facilities  
  Rob Pena, Architecture  
  Chris Meek, Architecture  
  Pat Clark, UW Tacoma  
  Melony Pederson, UW Tacoma  
  Norm Menter, Facilities  
  Joe Cook, Facilities  
  Steve Muench, Civil Engineering  
  Amy Kim, Civil Engineering  
  JR Fulton, Housing & Food Services  
  Elizabeth Powers, O’Brien & Associates
Steam-to-Hot-Water Measure: ROADMAP

- Technical/economic analysis
- Engineering reports
- Innovation District Pilot?
- SCL Partnership Conversation
- City of Seattle “Dist. Energy” Code Exception Conversation

Timeline:
- 2011
- 2012
- 2014
- 2016
- 2017
- 2019
- 2020
- 2021

- RFP/Q
- Building code analysis
- WCUP completed
UW Sustainability Plan

- UW recently achieved its third Gold Rating on the Sustainability Tracking, Assessment & Rating System (STARS)

- Plan to include performance targets in Academics & Research, Operations, Planning & Administration and Engagement.

- Inclusion of our Energy Roadmap planning and Green building standards

- Presented to Environmental Stewardship Committee in 2018

- Work with operational departments, faculty, students
Title: Resolution in Support of Establishing a UW Sustainability Initiative and Campus Plan by 2020
Sponsored by: Michael Diamond (Atmospheric Sciences) and Brittany Bishop (Chemical Engineering)
Written by: Christoph Strouse (Community Environment & Planning)
Resolution Number: 02.18-19

WHEREAS society and its institutions are currently faced with tackling the world’s most complex challenges, with the latest report by the Intergovernmental Panel on Climate Change (IPCC) stating “climate change impacts and responses are closely linked to sustainable development which balances social well-being, economic prosperity and environmental protection”;¹ and

WHEREAS the UW has a responsibility to its stakeholders and community to prepare and educate students to address the complex grand challenges of our time such as social and economic inequality, climate change and living within our planetary boundaries; and

WHEREAS the UW Strategic Plan directs the UW “to respond to the challenges and opportunities of the 21st century: to become even more competitive, collaborative, technology-reliant, nimble and diversified; and to provide solutions to society’s most pressing problems”;² and

WHEREAS the institutional decisions UW makes today have lasting impacts on the future of our community, region and the world; and

WHEREAS the UW actively manages institutional change through the two years to two decades (2y2d) Sustainable Academic Business Plan (SABP) which advances both short term and long range goals and through strategic Key Initiatives; and

WHEREAS achieving institutional sustainability will require both a strategic Key Initiative and a Comprehensive Plan which coordinates the efforts and resources of our students, faculty, and staff, by making progress toward measurable goals and metrics; and

WHEREAS a strategic Key Initiative for Sustainability would marshall the university’s resources around a vision for the future of our community, that aligns with the UW’s values, mission and strategic plan; and

WHEREAS a strategic Key Initiative for Sustainability would support and advance University Accreditation Core Themes and Objectives of: Research and Scholarship, Teaching and Learning, Service and Engagement; and

WHEREAS a Comprehensive Sustainability Plan would support and advance the 2y2d SABP short term goals to: Decrease Costs, Increase Revenue, Invest in People, Invest in Infrastructure and Increase Access, while making progress toward the long term goals to: Sustain, Compete and Transform; and

WHEREAS a Comprehensive Sustainability Plan would build on, support and align with existing UW policies such as the UW Strategic Framework, the UW Sustainable Academic Business Plan, the Campus Master Plan, the Climate Action Plan, the Race & Equity Initiative and the Population Health Initiative; and

WHEREAS the UW has recently “joined leading universities around the world in signing the newly-launched Declaration on University Global Engagement. This effort further aligns the work of the world’s top universities with the United Nations Sustainable Development Goals”; and

WHEREAS a strategic Key Initiative for Sustainability and a Comprehensive Sustainability Plan is an opportunity for the UW to further align its values, mission and strategic planning with global sustainability standards like the Global Reporting Initiative and the 2030 UN Sustainable Development Goals.

THEREFORE BE IT RESOLVED BY THE GRADUATE AND PROFESSIONAL STUDENT SENATE OF THE UNIVERSITY OF WASHINGTON:

THAT we call for the University of Washington to make Sustainability a strategic Key Initiative in order to address the complex global challenges facing our students, campus and community in the 21st Century; and

THAT we advocate for and fully endorse the creation of a strategic Key Initiative for Sustainability to be announced on the 50th anniversary of Earth Day, Spring 2020; and

THAT the Sustainability Initiative will direct the UW Environmental Stewardship Committee to work with all campus stakeholders and partners on the creation of a

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Comprehensive Sustainability Plan with implementation beginning in Summer 2020; and

THAT the Sustainability Plan shall start at the beginning of the academic year 2020 to initiate a review cycle every eighth year, with revisions of the metrics and goals to be completed every tenth year (in 2030 and 2040) to achieve UW’s carbon neutrality goal by 2050; and

THAT we resolve to advocate for the development of this plan and work with the UW Administration and all campus stakeholders and partners on development of the scope, goals and metrics for this plan over the next two years; and

THAT a copy of this resolution be forwarded to University of Washington President Ana Mari Cauce, Provost Mark Richards, Associate Vice President and Chief of Staff UW Finance & Administration Barbara Wingerson, Director of Sustainability Claudia Frere Anderson, UW Faculty Senate and ASUW Senate.

Presented to GPSS for approval on November 7, 2018
Approved on November 28, 2018