



Minutes

Attendees: Dr. Davis (co-chair), David Stewart (co-chair), Brent Elliott, Erin Pedersen (KSA), Iain Hunter, Jaya Dhillon (KSA), Karsten Purbs, Melissa Drury, Rebecca Harbut, Thomas Kwadzovia, Caroline Lillico, Gidget Maguire (minutes) Adam Rhode (KSA),

Regrets: Ellen Pond, Jaret Lang, Karen Terblanche, Reza Khakbaznejad, Todd Mundle, Brian Kuchinka

Agenda Item	Discussion	Action
1. Agenda	The Agenda was approved as circulated.	
2. New Member	Dr. Davis advised the Committee of our new BCGEU member, Brian Kuchinka, who could not attend today’s meeting.	
3. Minutes	The Notes from the KPU Decarbonization Roadmap meeting of June 29, 2021, were approved as circulated.	
4. Campus & Community Master Planning	<p>B. Elliott went through his presentation titled Decarbonization Roadmap. The four phases of the process are:</p> <ul style="list-style-type: none"> <li>Phase 1: Visioning – ESC engagement, CCP and Facilities engagement.</li> <li>Phase 2: Technology Review – Past-report review, gap analysis, report out.</li> <li>Phase 3: Engagement Round out – site visits, decision matrix review. They visited Kitsilano Community Centre in Vancouver.</li> <li>Phase 4: Decarbonization Report – Written report, decision matrix.</li> </ul> <p>A copy of the presentation will be circulated with these Minutes. Dr. Davis asked B. Elliott to add dates to his presentation to make the timeline clear to the audience.</p> <p>The Sustainability Plan states we need to address our carbon footprint, develop strategies, and set out the carbon reductions we need to have by 2050. We will have to be aggressive on some of the targets, such as for 2025, we need to achieve a 50% reduction. The trade-off comes with doing these studies and seeing the best solution for us. I. Hunter and D. Stewart have been instrumental in this with CPP.</p> <p>Currently, the only incentives are from the Province through programs administered by Fortis and Hydro. There are some regulations and oversight involved. If you reduce your GHG by “this much,” you will get “this” type of funding. A process for this hasn’t been identified yet.</p> <p>Facilities in KPU had done a lot of work in the early 2000s in reducing GHG when everyone else was focusing on energy conservation. We want to celebrate the milestones at the same time as manage expectations. It takes time, resources and staffing to get everything done that we want/need to get done. We are looking at the STARS rating system to look at pathways and credits we could do, and it would be a great way to showcase what we are doing as a whole entity.</p>	

	<p><b>Action:</b> Dr. Davis will reach out to Randall Heidt to discuss how we can bring attention to the sustainability efforts and get the stories out. Do we have someone from Marketing &amp; Communications on this Committee, or do we have the Sustainability Office generate the stories and Communications find the channel to communicate it out?</p> <p>The Ministry has advised KPU that we can carry some operating surplus over to the next fiscal as one time only for things like feasibility studies, reports etc. In this case, we could get someone for the website, all things sustainable, harvest all of our stories and refresh the sustainability report.</p>	Dr. Davis
5. Procurement Update	T. Kwadzovia advised that they continue to deliver sustainability as a key criteria for all things procurement. They just finished with the Parking RFP, which had sustainability embedded in it. In the questions to the vendors, they ask what sustainability initiatives they have done or would do if they got the contract. Procurement collects that data to see if it is something that KPU should adopt in our practices.	
6. KSA Update (E. Pedersen)	<ul style="list-style-type: none"> <li>• E. Pedersen advised she has accepted a new position and will be leaving the KSA. Her last day is on Monday, March 14<sup>th</sup>. Next meeting, there will be a new member from KSA.</li> <li>• Unfortunately, the Ambassador Program has stalled due to several factors, including the omicron variant and now E. Pedersen leaving the KSA. E. Pedersen left notes for the next KSA Sustainability Coordinator, and she has asked the students to give feedback on what worked and didn't work this time so that the program can be rebooted and improved in the future.</li> <li>• The KSA completed their baseline greenhouse gas emissions audit with Climate Smart for the year 2019. In 2019 their operations emitted 131.87 tonnes of GHGs. The highest emitting areas were transporting people via road (shuttle, mileage/business travel), staff commuting, transporting people via air, and heating (calculated by our square footage). Of these, the ones we have significant control over are staff commuting and transporting people via air. Due to COVID, they are already very likely to see significant reductions in both of these for their 2021 inventory which the new Coordinator will complete once they are hired.</li> <li>• Sustainability Career Night in November was a success, and they are in the process of planning another with their external partners, which will take place on Tuesday, March 29, from 6 – 7:30 pm on Zoom.</li> </ul>	
7. Facilities Update (I. Hunter)	<p><u>Capital Renewal &amp; Upgrades:</u></p> <ul style="list-style-type: none"> <li>• Electrification of Heating for Hort Teaching Shop, KPU-L.</li> <li>• Enhanced Heating/Cooling Zone Controls to separate main and second-floor KPU-L Admin wing KPU-L Main.</li> <li>• KPU-R Roof Replacement; enhanced thermal insulation capacity from previous.</li> <li>• Upgrade KPU-R automated building controls to existing KPU standards.</li> <li>• Initiate Engineered Design for electrification of KPU-S campus main boiler.</li> <li>• Upgrade KPU-S Main electrical vault to support move off natural gas dependency for mechanical systems.</li> <li>• Engineered design and electrification of some gas-fired Air Handling Units,</li> </ul>	

	<p>Cedar Bldg. at KPU-S.</p> <ul style="list-style-type: none"> <li>• Continued conversion of building zone controls to CO2 sensors to monitor actual occupancy, KPU-L and KPU-S.</li> <li>• Consultant Services to evaluate true end-of-life asset replacement needs; link to electrification strategy for major mechanical systems.</li> <li>• Addition of smaller electric boiler in Spruce to enable shut down or large main campus boiler seasonally.</li> <li>• Upgrading ISH Research lab cooling to meet demand and offset off-peak main chiller operations.</li> <li>• Design Hort Center Electrical Vault upgrades to enhance electrification in the future.</li> <li>• Repair Domestic Waterline pipes in KPU-R losing HW (minor leaks).</li> <li>• Exterior lighting upgrades through the 5 Year Capital Security and Lighting Project</li> <li>• Convert portions of linoleum flooring in Fir to polished concrete.</li> <li>• Close partnership with CCP and Prism Engineering to develop Carbon Reduction pathways toward net-zero emissions for each campus.</li> </ul> <p><u>Operations:</u></p> <ul style="list-style-type: none"> <li>• Tree Maintenance Project; KPU-S; collaborating with NSAC and Kwantlen First Nation to complete hazardous tree removals &amp; a species/campus replanting strategy</li> <li>• Landscape Contract; establishing a partnership with Hort for the KPU-L campus to deepen partnership in teaching outcomes and campus first impressions.</li> <li>• Completion of Facilities Services office refresh that incorporates emerging space &amp; design principles around blended working environments. To be modelled as a proof-of-concept for KPU's future space planning post-pandemic.</li> <li>• Enhancement of older drinking fountains to bottle fill capability, all campuses</li> <li>• Enhanced training on new automated building controls software for front-line operators.</li> <li>• Daily monitoring of building management system to look for anomalies.</li> <li>• Addition of nonteaching area CO2 controlled zones within buildings to provide demand ventilation for true occupancy.</li> <li>• Conversion of KPU-S Fir classrooms to LED lighting.</li> <li>• Conversion of KPU-S Cedar conference center and some classrooms to dimmable LED lighting.</li> <li>• Ongoing planning with CCP and Prism engineering to develop a strategic carbon reduction asset replacement strategy.</li> <li>• Adding single-stream recycling in Science labs at KPU-L, KPU-S, and KPU-R. Items that have been traditionally put in the landfill will be sorted and recycled by our waste hauler.</li> <li>• The potential to compost used paper towels from washrooms, Facilities to conduct a feasibility study.</li> </ul>	
<p>8. Ancillary Services Update (K. Purbs)</p>	<p>Ancillary Services purchased an organic waste dehydrator for the Richmond cafeteria through HSBC, one of Compass's other clients moving locations. It will handle 200 pounds a day of organic waste produced in the kitchen that can be used on our farms. K. Purbs will work with R. Harbut's team to work out logistics.</p>	

9. Other Business	Dr. Davis advised that he is part of a newly created committee called Presidents' Climate Emergency Collaboration. It was initially called Cross-Institutional Collaboration on the Climate Emergency. The next meeting is on March 10th.	
10. Next meeting	The next meeting is scheduled for May 5, 2022.	