



**ENVIRONMENTAL SUSTAINABILITY ADVISORY COMMITTEE**

January 11, 2022

Minutes of the Environmental Sustainability Advisory Committee, held via MS Teams, at Thompson Rivers University, Kamloops, B.C.

<b>HEADING</b>	<b>ITEM / DISCUSSION</b>	<b>ACTION</b>
<b>Present:</b>	Christine Miller, (Chair), Alana Hoare, Brad Harasymchuk, Carolyn Ives, Christine Adam, Dillon Alexandre, Dipesh Prema, James Gordon, Jana Noskova, Lillian Kwan, Meng Sun, Elder Mike Arnouse, Natalie Yao.	
	<b>QUORUM MET</b>	
<b>Regrets:</b>	Gabriela Rivera, Jessica Papineau, Petar Hrkac, Sarah Martin, Scott Blackford, Thamindu Widyarante, Tina Matthews Warren Asuchak	
<b>Guests:</b>	Shelley Church	
<b>Recording Secretary:</b>	Lora Sartori	
<b>CALL TO ORDER</b>	Christine Miller in the Chair. The meeting, being duly constituted for the conduct of business, the Chair called the meeting to order at 11:33 a.m.	
<b>WELCOME &amp; Territorial Acknowledgement</b>	Christine did the Territorial Acknowledgement.  Round of Introductions of all members in attendance.	
<b>ADOPTION OF AGENDA</b>	On MOTION duly made it was RESOLVED to approve the January 11, 2022 Agenda with the following changes:  Split the Director's Report, AVP of Campus Infrastructure, Sustainability and Ancillary Services into the following three reports:  8. Report of the Manager of Sustainability Programs, James Gordon 9. Report of Energy Projects – Natalie Yao 10. Report of Campus Infrastructure – Dhillon Alexandre	

**ADOPTION OF MINUTES**

Quorum was not met at the December 14, 2021 meeting. Therefore, these are not official Minutes.

**PRESENTATIONS**

None

**BUSINESS ARISING FROM MINUTES**

- a. **Re: Climate Emergency Letter.**  
(<https://www.sdgaccord.org/climateletter>).
  - i. Update regarding interest from TRUSU.  
No further information to share.
  
- b. **Goals for Mission Fulfillment – Alana Hoare**  
Alana shared the Mission Fulfillment Sustainability Webpage [Core Theme Sustainability, Thompson Rivers University \(tru.ca\)](https://www.tru.ca/core-theme-sustainability)

Alana asked the question:

What role does ESAC see itself playing in relation to the Integrated Strategic Plan (e.g. consultative, advisory, evaluation of performance)?

**Action Item:** Lora to put Alana on the February ESAC Agenda.

Lora Sartori

**REPORTS OF COMMITTEES**

- a. **TRU Sustainability Education in the Curriculum Sub-Committee** – Report by Christine Miller  
Committee has not met since the last ESAC meeting.

Still working on the course approval process.

Have been working with many stakeholder groups.

- b. **Awards Sub-Committee** – Report by James Gordon  
Brad Harasymchuk and Christine Adam volunteered to co-chair.

**Action Item:** James will set up a meeting with James, Scott, Brad and Christine to move this subcommittee forward.

James Gordon

- c. **ESAC Zero Waste Sub-Committee** – Report by James Gordon

There will be a 5-year Zero Waste Stakeholder Engagement Sessions this week. Contact James to attend.

- d. **ESAC Sustainable Purchasing Sub-Committee.**  
Report by James Gordon, Chair.  
On January 13, there will be an Indigenous Purchasing Framework meeting with the Subcommittee and Dan Munshaw from the City of Thunder Bay, Judy Kitts from the Greater Victoria Harbour Authority and Amanda Chouinard from Canadian Collaboration for sustainable Procurement/ Reeve Consulting.
- e. **ESAC Core Theme Planning Committee – Report by Alana Hoare**  
No Current Report
- f. **ESAC Biodiversity Sub-Committee – Report by Christine Miller**  
Working on Terms of Reference.

Will meet in late January.

Have bird strike and tree planting in our portfolio.

Some ideas for other projects include a wildlife survey and possibly an ethnobotanical garden.

**MANAGER OF  
SUSTAINABILITY  
PROGRAMS REPORT**

**Report by James Gordon, Manager of Sustainability Programs**

TRU Solar Table Design Competition. See attached Competition Guidelines

Energy Dance – See attached Event Information.

Research for Climate Solutions Mixer – See attached.

Student & Faculty Sustainability Research Grants. \$5,000 – 4 for faculty and 2 for students. Deadline March 31, 2021

TRU partnerships with the City Climate Action Plan... - Self guided walking tour – 8 big moves.

**ENERGY PROJECTS  
REPORT**

**Report by Natalie Yao, Energy Specialist**

Hydro Continuous Optimization Program. Finishing BCCOL, starting at Old Main and Williams Lake.

Starting ISO50001 Process: Energy Management System Compliance. We will be asking ESAC for input in the future.

Working on an application with BC Hydro that will allow TRU to expand the solar panels – Interconnection Application – can get up to 1 MegaBite for solar uptake.

**CAMPUS  
INFRASTRUCTURE  
REPORT**

**Report by Dillon Alexandre**

Low Carbon District Energy System – Building Permit Submitted to City. Looking to break ground this Spring and retrofitting the buildings over the next year. This is critical to achieving our Carbon Neutrality by 2030. Located outside of OM by Convocation wall.

Working with James with the new Bike Shelters.

**NEW BUSINESS**

**a. None**

**CORRESPONDENCE**

None

**NEXT MEETING  
ADJOURNMENT**

February 1, 2022 at 11:30 a.m.

Meeting adjourned at 12:47 p.m.

# TRU SOLAR TABLE DESIGN COMPETITION

## Competition Guidelines

### Background

TRU wants solar tables around the campus for the following reasons: promote renewable energy use; encourage student participation and learning; and have more outdoor places to study and socialize (which are mostly protected from the snow, rain and direct sun).

### General Information

This Competition is open to all students from Thompson Rivers University (TRU). Only TRU students can enter the competition and they can do so individually or as part of a student-only team. There will be one (1) winning submission picked from all submitted designs. One table will be built in 2022.

### The Prizes

The winning submission will see their design adapted to at least (1) one solar table to be constructed at the Thompson Rivers University campus outside the front doors of the School of Trades and Technology building, as seen in Figures 1, 2, and 3. In addition, the winning design will receive \$500 (all official TRU fees must first be paid before any money is awarded).

### Design Guidelines

Designs should be submitted online as portable document format (PDF) documents. Either hand drawn documents or computer-generated design software documents will be accepted. The budget for this project is maximum of \$10,000 including labor, materials, and other miscellaneous fees. *Construction and installation will be performed by faculty and students from the TRU School of Trades and Technology.*

The dimensions of the design could either be in metric or imperial measurements and need to fit in the location seen in Figure 2 and Figure 3.

Do not overthink! Schematic and wiring diagrams are not needed. But the design should incorporate a secured enclosure for the electrical equipment (*either small or large option*) seen in Table 1. Also, each design needs to include a maximum of two solar panels (*size of each panel is 2.08m x 1.03m*).

Enclosure Sizes Options	Description	Minimum Dimension of the Enclosure	Price of Enclosure and Electrical Equipment
Small Option	USB Charging Only	300mm x 300mm x 300mm	\$1,500
Large Option	USB and AC Device (laptop or e-bike) Charging	600mm x 600mm x 600mm	\$5,000

**Table 1. Specifications of the Enclosure with the Electrical Equipment**

### Design Content

Be creative! The minimum purposes of the solar table are as follows:

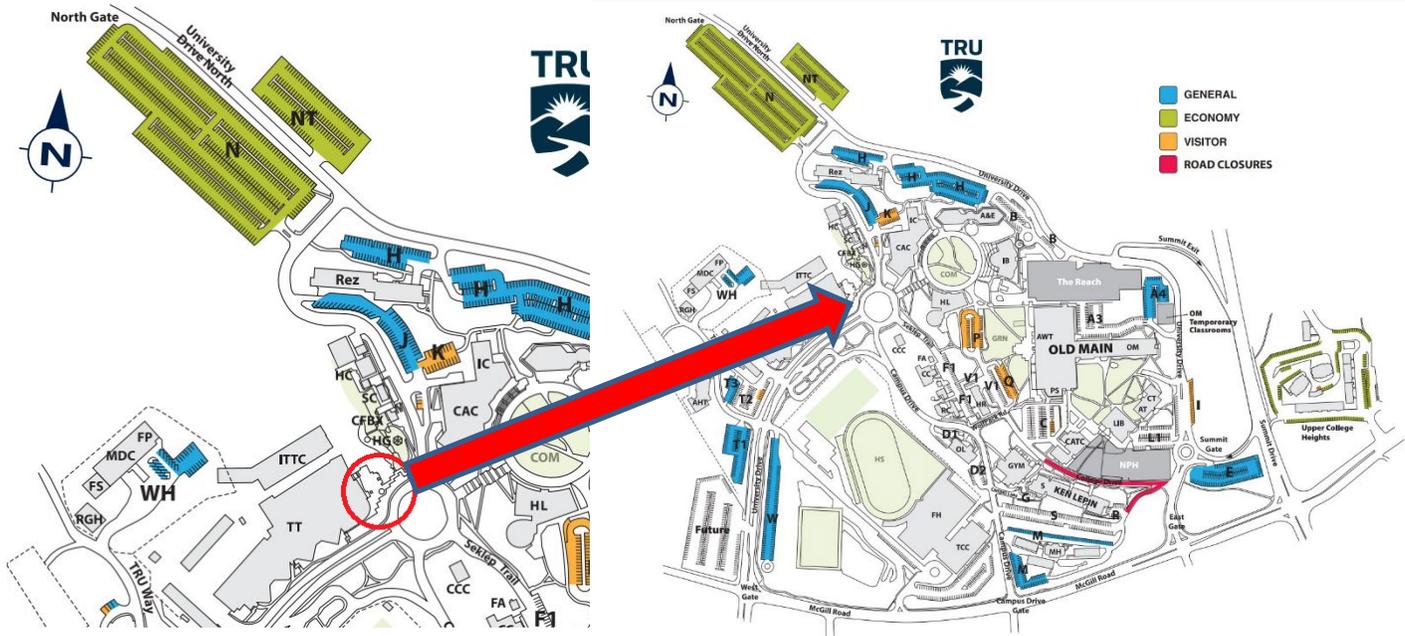
- Be able to charge devices (*e.g. phones, laptops, or motion sensing internal or external lights, electric bike, etc.*)
- Be able to accommodate seating of at least six (6) people for studying or hanging out. Solar panels attached to a roof structure to cover the table and seating is desirable.
- Be able to show awareness of TRU's advocacy for sustainability
- Be practical enough to be constructed (*use of sustainable, reclaimed, recycled, and readily available materials is highly encouraged*)

### Submission Details and Dates

All submissions should be sent through email to the TRU Sustainability Office ([sustain@tru.ca](mailto:sustain@tru.ca)) with your complete name/s, phone number/s, and student number/s **ON OR BEFORE February 28, 2022**. Each submission will be assigned an alias in order to be anonymous to the judges, for this reason, do not put your name/s anywhere in the drawings. Email entries should have a subject of '**SOLAR TABLE ENTRY 2022**' with a maximum of a 500 word description.

### **Judging**

The designs will be judged throughout March 2022 by a panel of TRU faculty, staff, and students according to the most practical, economic, and creative design choices. The winner will be announced by March 31, 2022 and will be notified via email and phone call.



**Figure 1. Vicinity Map**



**Figure 2. Perspective 1 and Location for the Design within School of Trades and Technology**



**Figure 3. Perspective 2 and Location for the Design within School of Trades and Technology**

## TRU challenges BC universities, colleges to join The Energy Dance

Building upon last year's successful *Sweater Dance*, the Sustainability Office at Thompson Rivers University invites all of BC's other 24 public universities and colleges to The Energy Dance: a free, COVID-friendly virtual living room dance party on Friday, February 11 from 9 to 11 p.m.

The Energy Dance is 'serious fun' because it draws attention to why we need to be energy wise these days, while everyone dances with the people in their bubbles on a Friday night. It's open to current students, staff or faculty at any of BC's public post-secondary institutions.



Participants can tune in via Microsoft Teams and hit their home dance floor, just to watch others, or simply to enjoy the music, which is being provided by live DJ, [Common Sound](#). This year's event also features three contests with some great prizes.

The dance supports energy conservation awareness and action. The [latest report from the UN IPCC](#) paints a serious picture about the need to take action on climate change. Join us in raising awareness about this issue—by dancing!

Register by February 7, by emailing [sustain@tru.ca](mailto:sustain@tru.ca) with Energy Dance in the subject line. To join, you need an official email domain from your institution (for example, at TRU it could be [yourname@tru.ca](mailto:yourname@tru.ca), or [yourname@mytru.ca](mailto:yourname@mytru.ca), etc.). You'll get an event link with details on February 9.

There's no cost to attend, so we ask that your 'cover charge' be to make an Energy Wise Pledge. Check out this [list of pledges](#) and choose at least one, or make up your own. Include your pledge when you email to register for the dance. All pledges will be posted after the dance on the TRU Sustainability Office [homepage](#).

We recommend that pledges be SMART: Specific, Measurable, Achievable, Realistic and Time bound. For example, if your pledge is around turning off lights, it can be something like this: "I pledge to turn off lights in my home (Specific), everytime I'm not using them

(Measurable) even if someone else leaves them on (Achievable), and I'll remind others to do the same (Realistic) all winter (Time bound).”

### Check out the contests

- **What's Your Favourite Dance Song?** Email your favourites to [sustain@tru.ca](mailto:sustain@tru.ca) (use the subject line Dance Songs) or follow the contest on the TRU Sustainability Office social media channels: Facebook, Twitter or Instagram (comment on the contest posts with your favourite dance songs). Just by sending us your selections, your name goes into the contest draw to win one of three Visa Gift Cards valued at \$50 each. The contest closes Feb. 7 and winners will be announced during the dance. Submit as many songs as you want!
- **Most 'Electric' Dance Outfit.** Let's see what you got! The more 'ENERGized' and 'POWERful', the better. The three best dressed dancers each win a \$50 gift certificate to a merchant of their choice in their community. Enter by either emailing a selfie in your outfit to [sustain@tru.ca](mailto:sustain@tru.ca) (put Electric Dance Outfit Contest in the subject line) or follow the contest on our social media channels: Facebook, Twitter or Instagram, and include a your selfie on the contest posts. Send in entries any time until the end of the dance. Winners will be announced Feb. 15.
- **Energy Wise Trivia.** The dance kicks off with a 10-minute energy wise trivia contest hosted by TRU's [Eco Club](#). There are some great prizes, so get ready.

### Technical details

- Video - The dance will happen via the video conferencing platform MS Teams, so you will need to [download](#) it before the event starts. Details with the link to the dance will be emailed to you after you register. Make sure your camera works.
- Audio - Once you register and get the event link, set up your sound system so you get the best sound possible.
- Stay cool - In support of climate action during the dance, turn down your thermostat by 0.5°C to 2°C. Layer up, instead of turn it up!

**Link to Event: ...**

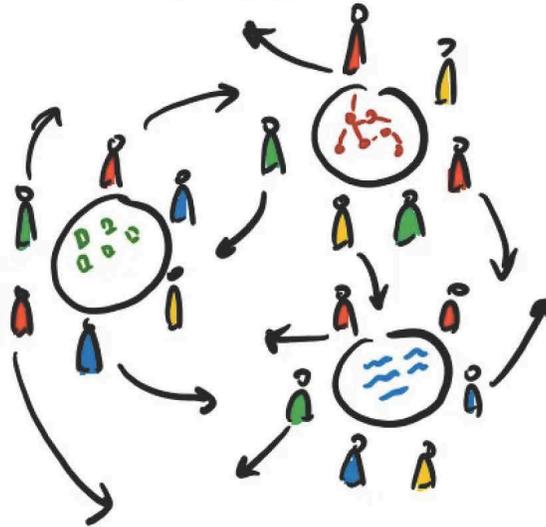
**Questions:** Simran Kaur, TRU Sustainability Office | [simkaur@tru.ca](mailto:simkaur@tru.ca)

Faculty and Students  
**YOU'RE INVITED!!**

**Research for Climate Solutions:  
Online Networking Mixer**

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**Explore collaborative approaches and  
funding opportunities!**



Hosted by TRU and co-developed with the City of Kamloops.

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REGISTER NOW

**What:** Research Networking Mixer

**Date:** January 21, 2022

**Time:** 12:00 - 2:00 pm

**Where:** LIVE on Zoom

**Register Here:** <https://qrco.de/bcgE5r>



Please RSVP by January 20th