



A Campus-Based Approach to Thinking About Wellbeing

Moderator:

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Panelists:

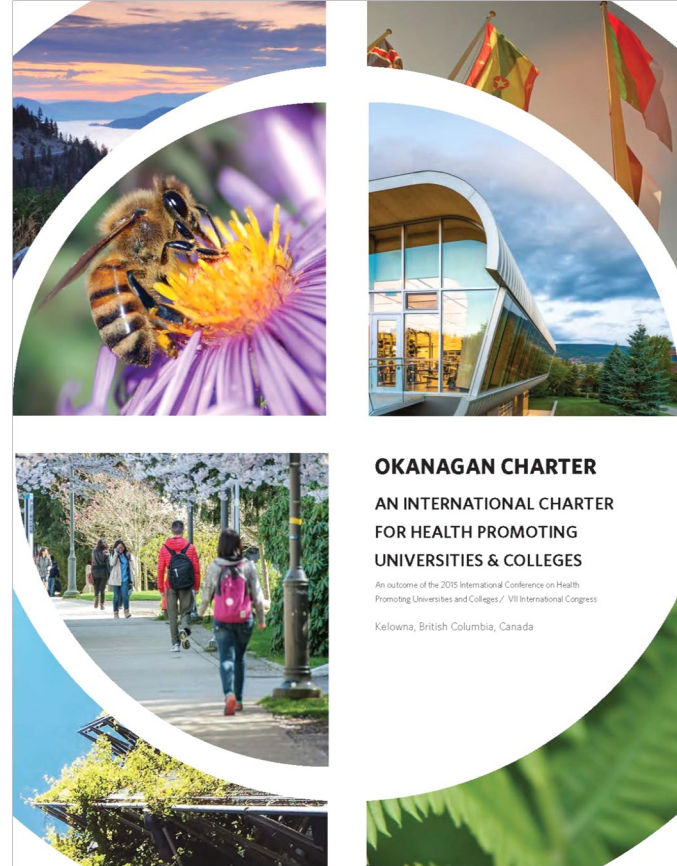
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COMPREHENSIVE WELLBEING INITIATIVE:

Adopting the Okanagan Charter &
Becoming a Health Promoting University



WHAT IS THE OKANAGAN CHARTER?



An International Charter
for Health Promoting
Universities & Colleges



Developed in 2015 at the
International Conference
on Health Promoting
Universities and Colleges

(Kelowna, British Columbia, Canada)



"This Charter calls upon higher education institutions to incorporate health promotion values and principles into their mission, vision and strategic plans, and model and test approaches for the wider community and society."

INTERNATIONAL & NATIONAL NETWORKS



Several regions and countries have developed networks for their universities and colleges that have adopted the Charter as a guiding document to becoming health promoting universities.



U.K. and Canada are global leaders, and are the most successful networks. Their leaders co-chair the International Health Promoting Universities Network.



The U.S. began the development of a national network in 2020, to follow the U.K. and Canada network models.

USHPCN WEBSITE

ushpcn.org

The United States Health Promoting Campuses Network (USHPCN) website is a great resources with the following information:

- Overview of the network
- Link to the Okanagan Charter
- History of the network's evolution
- List of campuses who have adopted
 - 16 U.S. campuses have adopted
 - Several more plan to adopt in 2023
- List of campuses involved in network
 - Now nearly 200 campuses in the network
- Links to other international/national networks
- Links to adoption documents/resources



CALLS TO ACTION

TWO PRIMARY CALLS TO ACTION

- Embed health into all aspects of campus culture, across the administration, operations and academic mandates.
- Lead health promotion action and collaboration locally and globally.

KEY PRINCIPLES FOR ACTION

- Use settings and whole system approaches
- Ensure comprehensive and campus-wide approaches
- Use participatory approaches and engage the voices of students, faculty and staff
- Develop trans-disciplinary collaborations and cross-sector partnerships
- Promote research, innovation and evidence-informed action
- Build on existing strengths
- Value local and indigenous communities' contexts and priorities
- Act on an existing universal responsibility

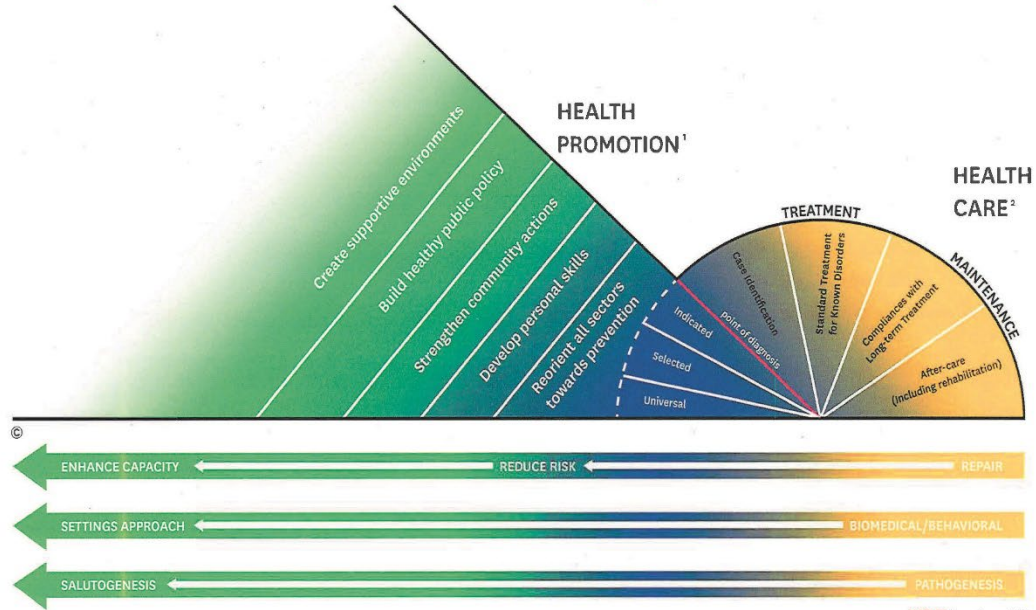
**"If the frogs in the pond start acting strangely, our first reaction would not be to punish or treat the frogs, our first reaction would be to ask what is going on in the pond" - Dan Reist, University of Victoria
(American College Health Association – National Conference, May 2017)**



©Warren Photographic



The College Health Settings Model (The "Snail")



In development: "Health Promotion Beyond Health Care" Office for Health Promotion Strategy, University of Southern California (2018)
 1) Okanagan Charter (2015)
 2) IOM (1997)

USC Student Health
 Office for Health Promotion Strategy

www.HealthPromotingUniversity.uci.edu



BUILD UPON EXISTING EFFORTS

1ST PILLAR

Diversity, Equity & Inclusion

- Office of Inclusive Excellence Strategic Plan & Goals
- Office of Inclusive Excellence Certificate Program
- Campus initiatives related to Diversity, Equity and Inclusion
- Campus affinity groups/organizations (student & faculty/staff)

2ND PILLAR

The Built Environment

- LEED Certified Buildings
- Naturescape initiative
- Healthy Beverage Initiative

3rd PILLAR

Sustainability

- "Cool School" & AASHE STARS metrics/efforts
- Sustainable fleets (electric buses, non-gas landscape equipment, etc.)
- UC Carbon Neutrality goals/expectations/policies/research

4th PILLAR

A Culture of Health & Wellbeing

- Build on programs/services for student and faculty/staff wellbeing
- Build on the work of campus health & wellbeing committees and task forces
- Utilize relevant campus data to drive health & wellbeing initiatives

**BUILD
UPON
EXISTING
EFFORTS
(CONT'D)**

BUILD UPON EXISTING EFFORTS (CONT'D)

5th PILLAR

Key Performance Indicator & Metrics

- Common goal of campus-wide wellbeing
- Metrics to define and measure success
- Recommendations for future action

6th PILLAR

Student Leadership/Voice

- ASUCI
- AGS
- Other Student Leaders

CREATING SUSTAINABLE ENVIRONMENTS

Implementing and Measuring
Sustainable Environments



Finding our Why



- Focus of Faculty & Staff
- Student Requests/Demands
- Regulatory Mandates
- The Right Thing
- Fiscal Incentive
- Return on Investment

Our Focus



- Recycling/Landfill Diversion
- Solar & Wind
- Water
- Energy Efficiency
- Fleet Operations
- Building Standards & Design



Recycling & Landfill Diversion

In 2021 SLCC diverted 49% of all college waste generation from landfills, recycling nearly 1 million pounds.

Solar & Wind Generation

Annual on campus generation in excess of 1,500 kWh with 7 arrays.

Co-Investor in Wind and Solar Generation Farms.



Water Reduction and Efficiency

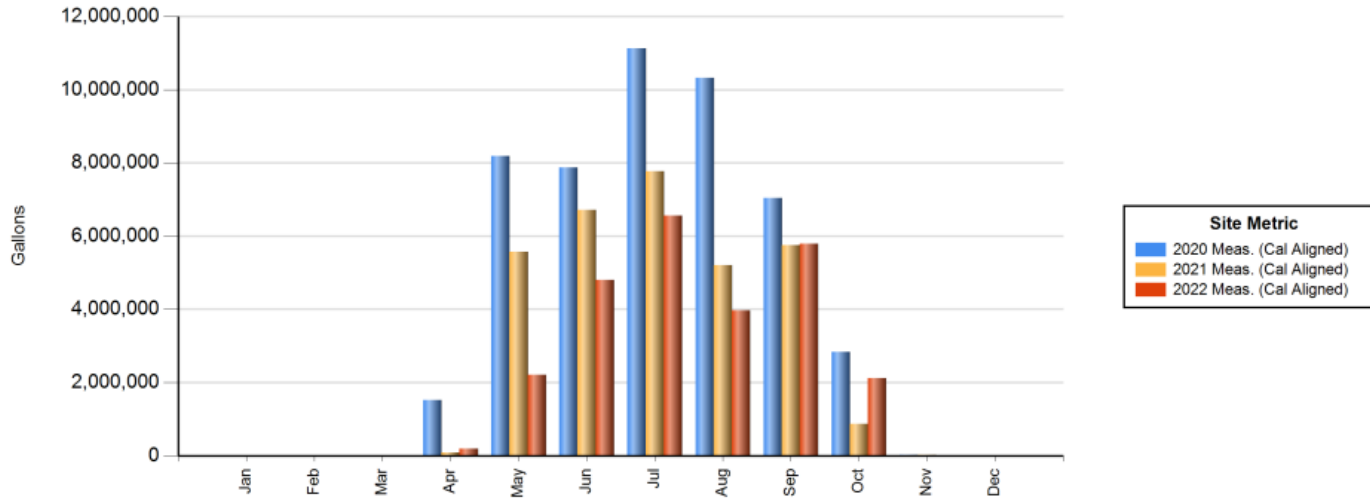


Xeriscape

Low Flow/Drip Irrigation

Low Flow Fixtures

Automatic Faucets



		Gallons												
Site Metric		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	Salt Lake Community College; Site: Redwood Campus 2020 Measured Usage (Aligned with Calendar Month)	0	0	0	1,523,791	8,184,752	7,869,395	11,127,297	10,321,897	7,036,034	2,837,734	5,669	0	48,906,569
2	Salt Lake Community College; Site: Redwood Campus 2021 Measured Usage (Aligned with Calendar Month)	0	0	0	88,400	5,566,166	6,713,347	7,770,522	5,208,322	5,753,664	860,567	18,387	0	31,979,367
3	Salt Lake Community College; Site: Redwood Campus 2022 Measured Usage (Aligned with Calendar Month)	0	0	0	184,886	2,210,344	4,800,294	6,552,988	3,971,835	5,789,412	2,110,557	0	0	25,620,322

Water Reduction Project Cost Savings now in excess of \$200,000 annually.

College wide water savings of 39.7 Million Gallons in 2022





Energy Efficiency

Energy Rebate Programs

Retrofit Upgrade Lighting

Retrofit Upgrade Boilers and HVAC

Campus Recommissioning

Energy Manger

FY22 Savings \$114,000

HVAC Savings: 124,927 kWh



Fleet Operations



Hybrid

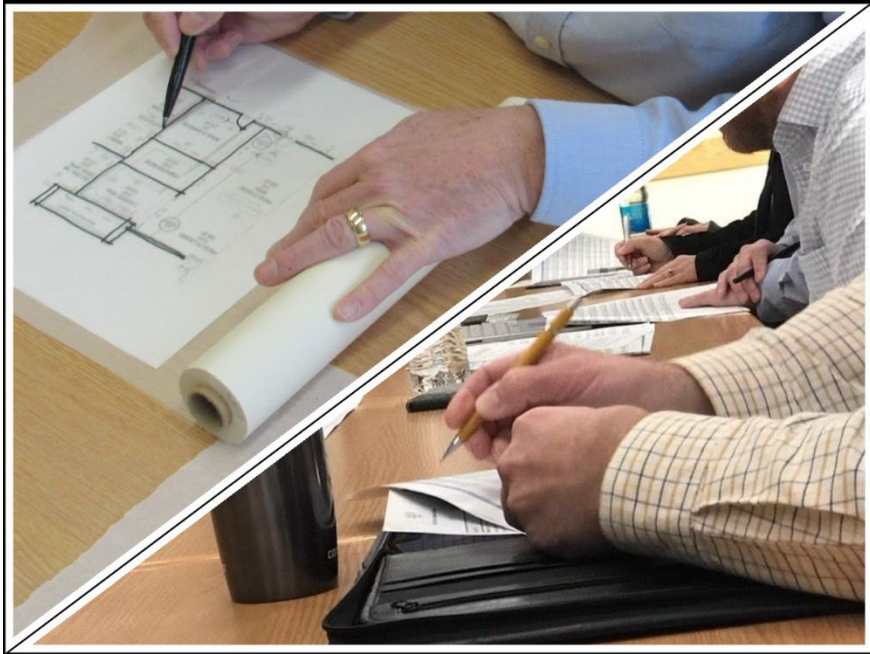
CNG

Electric

EV Charging Stations



Building Standards and Design



Incorporated Standards
for Efficiency and
Sustainability.
Stakeholder Input

Sustaining Sustainability

In progress projects	Location	Description	Cost/Incremental Cost	Annual Utility Cost Saving	Incentive	Notes
Cate Field Lighting Retrofit	Jordan Campus	Cate Field LED lighting upgrade is set to bid and be installed in spring of 2023. Existing lighting consists of metal halide lamps which will be replaced with LED. This will improve light quality on the field and reduce spill lighting to the community. It will reduce electricity demand by 100 kW which is a significant reduction.	\$450,000	\$20,000	\$11,000	Cost savings is estimated at \$20,000 due to a Rocky Mountain Power rate schedule change 18 months after install. Incentive is estimated by Rocky Mountain Power
Cate Field Support Buildings - Energy Recovery Ventilators	Jordan Campus	This project involves the installation of three energy recovery ventilators (ERVs). The three separate outbuildings being constructed will feature dedicated outside air units (DOAS) with integral energy recovery heat exchangers that provide ventilation air for zonal fan coil units served by split-system air conditioning units for cooling.	\$ 30,701	\$ 2,883	\$ 6,346	
MFEC Auditorium Lighting Retrofit	Larry H Miller Campus	MFEC Auditorium lights are outdated and in bad shape. Currently working with Spectrum Engineering to complete the lighting upgrade scope. All lights will be replaced with LED with digital controls.	\$ 220,712	TBD	TBD	This project should reduce lighting costs by about 30%
Juniper Energy Efficient Equipment	Juniper Campus	Install of energy efficient HVAC equipment	\$ 101,000	\$ 10,952	\$ 30,106	Costs, cost savings, and incentives are deemed by Rocky Mountain Power
Juniper Solar Array	Juniper Campus	30 kW rooftop solar array will be installed at the new Juniper Campus.	\$150,000	TBD	\$ -	Cost was estimated at \$5 per watt. I don't have the costs since Michelle and Bart are both out of town. There are no utility incentives for solar
Redwood HVAC Controls Upgrade	Taylorsville Redwood Cam	HVAC Upgrades	\$ 199,275	\$ 30,751	\$ 37,931	Costs, cost savings, and incentives are deemed by Rocky Mountain Power
Redwood Flat Plate Heat Exchanger	Taylorsville Redwood Cam	HVAC Upgrades	\$ 371,680	\$ 18,327	\$ 37,993	Costs, cost savings, and incentives are deemed by Rocky Mountain Power
Jordan Flat Plate Heat Exchanger	Jordan Campus	HVAC Upgrades	\$ 159,850	\$ 12,533	\$ 17,999	Costs, cost savings, and incentives are deemed by Rocky Mountain Power
Westpointe Center HVAC Upgrade	Westpointe Center	HVAC Upgrades	\$ 37,929	\$ 3,601	\$ 8,122	Costs, cost savings, and incentives are deemed by Rocky Mountain Power
Jordan Solar Canopy	Jordan Campus	55 kW Solar Canopy	\$ 550,000	\$ 11,680	\$ -	Current budget is way below cost. This project is on hold until we can find additional funding. There are no utility incentives for solar.
Estimated HVAC kWh saving for all projects = 124,9274 kWh			\$2,271,147	\$110,727	\$149,497	

- Develop a Culture
- Calculate the ROI
- Prioritize Projects
- Track the Progress & Savings
- Annual Report to Community
- Reinvest the Savings
- Leverage Incentives
- Evaluate use of ESCOs

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