

A light blue line-art map of the University of British Columbia campus is visible in the background, showing various streets, buildings, and a large curved road.

# UBC Climate Action Plan 2020

## Phase 1 Public Consultation Summary Report

February 2016

**campus + community** planning



a place of mind

THE UNIVERSITY OF BRITISH COLUMBIA

# Table of Contents

<b>1. Executive Summary</b> .....	<b>2</b>
<b>2. Public Consultation Process Overview</b> .....	<b>2</b>
<b>3. Stakeholder and Public Notification</b> .....	<b>3</b>
Stakeholder Notification.....	3
Public Notification .....	3
<b>4. Public Consultation</b> .....	<b>4</b>
Information Booths .....	4
Online Consultation .....	4
Additional Outreach.....	4
<b>5. Summary of Ideas Received</b> .....	<b>4</b>
<b>6. Participant Demographics</b> .....	<b>6</b>
<b>7. Next Steps</b> .....	<b>7</b>
<b>8. Appendices</b> .....	<b>7</b>

## 1. Executive Summary

UBC is undertaking process to develop a new Climate Action Plan (CAP 2020) for the Vancouver Campus. Over the course of Fall 2015 and Spring 2016, Campus + Community Planning is seeking input from the campus community on what actions UBC could take to achieve the UBC Board of Governors 2020 climate action target of reducing our greenhouse gas (GHG) emissions by 67 per cent from 2007 levels.

The process to develop the CAP 2020 builds on UBC's Climate Action Plan 2010, which set a target of reducing Vancouver Campus GHG emissions by 33 per cent (from 2007 levels) by 2015, a target which we are close to achieving.

This report presents a summary of the ideas received during Phase 1 public consultation for the development of CAP 2020, which took place from September 14 - 27 online. This phase of consultation also included a call out to climate change researchers and four Ideas Workshops with a broad range of campus stakeholders.

Notification of public consultation took place through advertising, information booths, email, social media, and outreach to stakeholders. Email notification was sent to **72 campus stakeholders** representing student government and societies, faculties and departments, faculty, UBC administration and staff, campus residents, and neighbours. As a result of these outreach activities, there were:

- **475** unique page views to the CAP 2020 project pages on the C+CP website between September 14 - 27
- approximately **150** people who attended the information booths, and
- **39** climate action ideas were submitted online.

## 2. Public Consultation Process Overview

Public consultation to develop the CAP 2020 is taking place in two phases – September 2015 (Phase 1) and March 2016 (Phase 2).

Phase 1 public consultation on CAP 2020 was focused on ideas generation and asked researchers and the broader campus community to submit their ideas on how UBC might reduce its GHG emissions towards the 67 per cent target by 2020. The call for ideas was focused on four key areas:

- how behaviour can reduce emissions
- UBC-owned vehicles
- energy supply options, and
- energy use in buildings (e.g. building design, maintenance and operations).

This first phase also included a call out to climate change researchers on campus and a series of four Ideas Workshops with campus stakeholders.

The ideas generated from Phase 1 public consultation are being considered as part of the feasibility testing that will inform the climate actions presented in Phase 2 consultation.

Phase 2 public consultation will present a proposed set of climate actions that UBC may pursue towards reducing GHG emissions on the Vancouver campus by 67 per cent in 2020.

## 3. Stakeholder and Public Notification

### Stakeholder Notification

Notification for the Phase 1 Public Consultation on CAP 2020 was sent to **72 campus stakeholders**, including student government and societies, faculties and departments, UBC administration, campus residents, and neighbours.

The stakeholder email included a copy of the newspaper ad, sample tweets, a Facebook message and a link to the Campus and Community Planning (C+CP) website to direct people to more information. Stakeholders were encouraged to share the information with their networks as they were able.

In addition to the broader stakeholder notification, an early call to **111** climate change researchers was sent from Dr. John Hepburn (Vice President, Research and International Office) and Dr. James Tansey (Acting Executive Director, UBC Sustainability Initiative) inviting them to submit proposals as part of the process to develop the CAP 2020. Dr. Hepburn and Dr. Tansey also emailed Deans and asked them to share the opportunity to submit proposals to any other researchers who might have an interest in submitting climate action proposals.

### Public Notification

C+CP provided notification between September 3 - 27 through print advertising, social media, e-newsletters, digital signage, and email. Notification was provided through the following channels (circulation numbers are shown in brackets):

- Vancouver Courier, published on September 3 and September 17 (circ 51,850 x2 = 103,700)
- The Ubyyssey, published on September 8, 15 and 22 (circ 12,000 x 3 = 36,000)
- The Campus Resident on September 14 (circ 9,500)
- UNA e-newsletter on September 10, 17 and 24 (circ 2,475)
- The C+CP event calendar (41 unique pages views)
- The C+CP e-newsletter on September 2 (circ 2,060)
- Campus digital signage from September 14 - 27 (3,000/day X 19 = 57,000)
- C+CP website - project webpage (475 unique page views)
- Posts to C+CP Twitter accounts between September 9-25 (1,726 followers)
- UBC Events web page on September 15, 17, 21 and 22 for Information Booth Sessions and September 14-27 for the online consultation (exact reach unknown)
- UBC Sustainability e-newsletter (circ 2,100)
- A 'heads up' email was also circulated to 952 faculty and staff on September 14.

## 4. Public Consultation

### Information Booths

C+CP hosted four information booths between September 14 – 27 to share information about the process and the opportunity to submit ideas. Information booths were held on:

- Tuesday, September 15, 2015 11:00am – 2pm at 2<sup>nd</sup> floor Lobby, Irving K. Barber Learning Centre, 1961 East Mall
- Thursday, September 17, 2015 11:00am – 2pm at Main Floor Lobby, Centre for Interactive Research on Sustainability (CIRS), 2260 West Mall
- Monday, September 21, 2015 11:00am – 2pm at Level 1, AMS Student Nest, 6133 University Blvd
- Tuesday, September 22 11:00am – 2pm at Main Floor Lobby, Fred Kaiser Building, 2332 Main Mall

Approximately 150 people attended the information booths.

Two (2) display boards were setup and provided an overview of the process for CAP 2020 along with the C+CP's [Engagement Principles](#). iPads were available at the booth for people to share their ideas and suggestions online.

Campus and Community Planning staff and student volunteers from [Common Energy](#) were on hand to answer questions and direct people to the project webpages for more details.

### Online Consultation

Online consultation ran from September 14 – 27 at [planning.ubc.ca](http://planning.ubc.ca). The C+CP website provided an overview on the process of developing CAP 2020, a history of climate action planning at UBC, the status of the current Climate Action Plan (CAP 2010), areas of opportunity for the CAP 2020, a list of climate change and climate action planning resources, and a link to the online ideas submission form.

### Additional Outreach

C+CP staff also shared information about the CAP 2020 consultation process and the opportunities to participate at three campus wide events:

- Graduate Student Society Orientation
  - Thursday, September 3, 11:30am - 1pm at Main Mall
- UBC Imagine Day
  - Tuesday, September 8, 1:00pm – 4:30pm at Main Mall
- Welcome Back Staff BBQ
  - Tuesday, September 15, 11:30am – 1:30pm at Main Mall

## 5. Summary of Ideas Received

The following provides a high level summary by theme of the ideas received from September 14 - 27. To read the full detailed submissions (personal information excluded) see Appendix IV.

## **Behaviour Change**

- Provide incentives to reduce energy use; make building users accountable for the energy they use
- Display engaging visual data regarding energy use in buildings or UBC's current GHG output
- Allow for a flex-time work schedule to reduce car traffic to campus; bring back employee subsidized transit passes
- Encourage people to turn off their computers when not in use
- Schedule events and activities to maximize building use allowing other buildings to operate in a standby mode
- Change class times/schedule to decrease the amount of commuting and align with a wireless culture
- Enable more personal control over room temperatures in buildings; encourage a culture of cooler temperature rooms

## **UBC-owned Vehicles**

- Replace motor vehicle fleet with bicycles, including cargo bikes
- Consolidate UBC-owned vehicles into once centrally managed, maintained, and purchased group with users following a care-share style arrangement

## **Energy Supply Options**

- Use fitness equipment that can transform the mechanical energy into electrical energy
- Generate building energy from rooftop sources
- Develop an energy internet for better energy storage and sharing when needed
- Students should be given the opportunity to design their own buildings through a design competition focused on energy conservation
- Design buildings to optimise heat transfers within buildings

## **Energy Use in Buildings**

- Replace existing rooftop exhaust fans with simple, columnar stacks operating with low powered fans
- Recycle greenhouse gases by capturing them; places sensors in all electrical appliances so they can stop running when not in use

## **Transportation**

- Get a Sky Train line to campus (preferably two routes)
- Make walking, cycling, and public transit the preferred option for UBC community (increase safe bike storage; provide shower and gear storage spaces; increase cost of vehicle parking; lead the call for a Sky Train to UBC)

## **Water**

- Install drinking water faucets in washrooms; provide fountains outside buildings; prohibit the sale of bottled water and soft drinks on campus
- Use waste water from the aquatic centre pool for use in toilets

- Re-engineer buildings so that they harvest rainwater for use in toilets and to water plants
- Replace high flow showerheads with low flow alternatives

## Food

- Implement an non GMO, plant-based diet 5-6 times per week
- Implement 'meatless Monday' policy across campus

## Waste

- Install compost bins in washrooms with paper hand towels to reduce trash collection
- Recycle chopsticks as raw material for a high end bamboo-based product

## Other ideas

- Decrease noise pollution on campus
- Regularly monitor campus forest and green space, and where they are lost due to construction, alternative sites should be found to 'make up' the balance
- Install motion-sensor lighting in public spaces
- Involve those who would work in a new building in the design of the building
- Increase green spaces on campus to reduce heat island effect; create more green roofs to increase building insulation and reduce energy consumption; use native species in landscape
- Convert high use doors in buildings to revolving doors
- Relocate the Point Grill fan
- Make the issue of reducing greenhouse gases more visual and obvious to students on campus

## Stakeholder Consultation

Stakeholder consultation took place in summer 2015. Campus and Community Planning staff met with senior operational units on campus, including Energy and Water Services, Building Operations, Student Housing and Hospitality Services, Infrastructure Development, Payment and Procurement Services, and UBC IT. During the stakeholder consultation period, ideas workshops were organized on four opportunity areas for reducing greenhouse gas emissions on campus: buildings, low carbon energy supply, fleets (UBC-owned vehicles), and behaviour change.

The Stakeholder Consultation Summary is included in Appendix V below.

## 6. Participant Demographics

The demographic information below is from the 39 ideas submitted online.

What is your primary affiliation with UBC?	Count
Student	14
Faculty	11
Staff	12

What is your primary affiliation with UBC?	Count
UBC Resident	1
Alumni	1
Other	0
N/A	0

## 7. Next Steps

The planning team is evaluating all ideas received through the public call for ideas, the call for ideas from climate change researchers and through the four Ideas Workshops. The ideas are being evaluated against the following criteria:

- Alignment with existing UBC Policy - e.g. 20 year Sustainability Strategy;
- Impact on GHG and energy reductions toward achieving targets;
- Economic performance (business case);
- Acceptable risk – e.g., technical, fuel supply, public acceptance;
- Extent to which the idea is within UBC’s jurisdiction and control;
- Ease of implementation: affordability, financing, lack of barriers, regulatory approvals, external dependencies;
- Research & innovation / partnership opportunities;
- Other co-benefits – e.g. impacts water consumption.

Potential options emerging from the analysis will be presented to the UBC community for feedback in March 2016. Feedback received in March 2016 will inform the development of a draft CAP 2020 plan to be presented to the UBC Board of Governors in June 2016. The public consultation opportunities will be broadly advertised.

## 8. Appendices

### Appendix I: Stakeholder Notification list

<b>1.</b>	Access & Diversity
<b>2.</b>	Alumni UBC
<b>3.</b>	AMS
<b>4.</b>	Arts Undergraduate Society
<b>5.</b>	Bookstore
<b>6.</b>	Campus and Community Planning
<b>7.</b>	Centre for Student Involvement
<b>8.</b>	College for Interdisciplinary Studies
<b>9.</b>	College of Health Disciplines
<b>10.</b>	Commerce Undergraduate Society
<b>11.</b>	Common Energy
<b>12.</b>	CUPE 116: Canadian Union of Public Employees
<b>13.</b>	CUPE 2278: UBC Teaching Assistants, Markers, Tutors, Instructors and English Language Inst.



<b>14.</b>	CUPE 2950: Canadian Union of Public Employees
<b>15.</b>	Dentistry Undergraduate Society
<b>16.</b>	Education Students Association
<b>17.</b>	Engineering Undergraduate Society
<b>18.</b>	Enrolment Services
<b>19.</b>	Faculty Association
<b>20.</b>	Faculty of Dentistry
<b>21.</b>	Faculty of Education
<b>22.</b>	Faculty of Forestry
<b>23.</b>	Faculty of Land and Food Systems
<b>24.</b>	Faculty of Law
<b>25.</b>	Faculty of Medicine
<b>26.</b>	Faculty of Pharmaceutical Sciences
<b>27.</b>	First Nations House of Learning
<b>28.</b>	Forestry Undergraduate Society
<b>29.</b>	Fraternities (Beta Theta Pi )
<b>30.</b>	Green College
<b>31.</b>	Graduate Student Society
<b>32.</b>	Interfraternity Council
<b>33.</b>	International House
<b>34.</b>	International Student Association
<b>35.</b>	Kinesiology Undergraduate Society
<b>36.</b>	Land and Food Systems Undergraduate Society
<b>37.</b>	Law Students Association
<b>38.</b>	Medical Undergraduate Society
<b>39.</b>	Metro Vancouver (elected)
<b>40.</b>	Music Undergraduate Society
<b>41.</b>	Musqueam First Nation
<b>42.</b>	PACCE (President's Advisory Committee on Campus Enhancement)
<b>43.</b>	Pacific Spirit Park Society
<b>44.</b>	Panhellenic Council
<b>45.</b>	Pharmacy Undergraduate Society
<b>46.</b>	Planning Students Association
<b>47.</b>	Professors Emeriti
<b>48.</b>	Regent College
<b>49.</b>	Residence Hall Association
<b>50.</b>	SALA
<b>51.</b>	School of Architecture and Landscape Architecture
<b>52.</b>	School of Audiology and Speech Sciences
<b>53.</b>	School of Community & Regional Planning
<b>54.</b>	School of Continuing Studies
<b>55.</b>	School of Journalism
<b>56.</b>	School of Kinesiology
<b>57.</b>	School of Nursing
<b>58.</b>	School of Population and Public Health
<b>59.</b>	School of Social Work
<b>60.</b>	Science Undergraduate Society
<b>61.</b>	Student Communications Services

<b>62.</b>	TRIUMF
<b>63.</b>	UBC Association of Professors Emeriti
<b>64.</b>	UBC Faculty of Applied Science
<b>65.</b>	UBC Faculty of Arts
<b>66.</b>	UBC Faculty of Graduate Studies
<b>67.</b>	UBC Faculty of Science
<b>68.</b>	University Endowment Land
<b>69.</b>	UBC Sustainability Initiative
<b>70.</b>	Wreck Beach Preservation Society
<b>71.</b>	David Eby's Office (MLA Point Grey)
<b>72.</b>	Joyce Murray's Office (Vancouver Quadra)

**Appendix II: Web Content Phase 1**

**Appendix III: Online Ideas Submission Form**

**Appendix IV: All Idea Submissions Received Phase 1 (personal information removed)**

**Appendix V: Stakeholder Consultation Summary**