



CLIMATE ACTION ADVISORY COMMITTEE

WEDNESDAY, NOVEMBER 13, 2019

KALAMALKA LAKE ROOM – 3:30 p.m.

AGENDA

1. **ADOPTION OF AGENDA**
2. **ADOPTION OF MINUTES**
 - a) October 22, 2019 (attached)
3. **PRESENTATION** – Amandeep Singh, Analyst, Tolko Industries Ltd. and local Vernon resident: **Potential for neighbourhood-scale building energy retrofits in Vernon**
4. **UNFINISHED BUSINESS**
 - a) Council Update (Staff)
 - b) Distributing '*Building Climate Resilience in the Okanagan*' – Working Group suggestions of strategic plan for distribution
 - c) Other action items
5. **NEW BUSINESS:**
 - a) Climate Action Plan process – Check-in
 - b) Working Group Updates
 - Mitigation:
 - .
 - Adaptation:
 -
 - Engagement:
 - SD 22 curriculum development - update
 - SD22 delegation November 20
 - Climate Ambassador Program – program coordination and upcoming presentations
 - Youth
 - Earth Day April 22
6. **INFORMATION ITEMS:**
7. **NEXT MEETING:**

Tuesday, December 17, 2019
8. **ADJOURNMENT**



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THE CORPORATION OF THE CITY OF VERNON

MINUTES OF THE CLIMATE ACTION ADVISORY COMMITTEE MEETING

HELD

TUESDAY, OCTOBER 22, 2019

PRESENT: VOTING

Brian Guy (Co-Chair), Science, Technology & Environmental Services
Bill Darnell, Community Stewardship (Co-Chair)
Councillor Brian Quiring
Mayor Victor Cumming
Ayesha Sheikh, Youth Member
Stan Eaman, Health & Social Services
Alan Gee, Educators and Educational Institutions
Ed Wilson, Community at Large
Colleen Dix, Utility Services and Providers

GUEST: Janice Larson, Director, Tri-University Partnership Office – UBC-
Okanagan

ABSENT:

Kevin McCarty, Business & Commercial Services
Melissa Kriening, Youth Member
Hayden Catt, Youth Member

STAFF:

Laurie Cordell, Manager, Long Range Planning & Sustainability/Staff
Liaison
Daniel Sturgeon, Long Range Planner
Janice Nicol, Legislative Committee Clerk

ORDER

The Chair called the meeting to order at 3:32 p.m.

**ADOPTION OF
AGENDA**

Moved by Colleen Dix, seconded by Stan Eaman;

THAT the agenda of the Climate Action Advisory Committee meeting for Tuesday, October 22, 2019 be adopted.

CARRIED.

**ADOPTION OF
MINUTES**

Moved by Stan Eaman, seconded by Ayesha Sheikh;

THAT the minutes for the Climate Action Advisory Committee meeting of September 10, 2019 be adopted.

CARRIED.

**PRESENTATION –
BC ENERGY STEP
CODE AND
OKANAGAN
COLLEGE – UBC-O
GREEN
CONSTRUCTION
RESEARCH AND
TRAINING
PARTNERSHIP**

Janice Larson, Director of the Tri-University Partnership Office at UBC-Okanagan gave a presentation on the role the Okanagan Valley will play in B.C.'s Green Construction Future. Janice provided information on her background, experiences and past projects. Janice has built a net-zero passive house in Lake Country. The following points were noted:

- Overview of federal and provincial direction:
 - Office of Energy Efficiency (OEE) is Canada's centre of excellence for energy, efficient & alternative fuels
 - They offer grants and incentives, workshops, stats, analysis and publications
 - Programs include: energy-efficient products, Communities & Infrastructure, energy-efficient homes, energy-efficiency in buildings, Industrial facilities and equipment, transportation & a national energy use database
 - Also have a range of resources on energy consumption in commercial & industrial buildings
 - Housing sector provides significant potential for reduction of Canada's energy footprint and delivering many other benefits
 - Federal Government dedicated over \$182 billion over eight years to develop and implement new building codes and to continue work underway to make buildings more energy efficient
 - Province adopted Climate Leadership Panel 2015 recommendation for net-zero energy ready buildings by 2032, but Province pulled back from commitment in 2012
 - There has been renewed interest with the change in Provincial government
 - All new single family & multi-family must meet passive guidelines and be zero net energy ready (meaning energy demands of building must be met by the energy generated in the home) by 2032.
 - You can either store excess energy produced in a zero net energy home through batteries or store excess energy through Fortis
 - There is a suggested range of steps in order to get to the 2032 standard
 - Okanagan Valley examples: Okanagan College Trades Building LEED Platinum (Kelowna), UBCO EME Building – LEED Gold (Kelowna), Newgate Apartments – LEED Gold (Kelowna), Ethel Street Laneway House – Living

- Building (Kelowna) and Nido Lux – Passive Zero Net Energy residence. Because of these, we can be leaders nationally
- Opportunities for our innovative and entrepreneurially-minded region
 - Why not be the Green Building Capital of BC OR Canada's Green Building Capital?
 - We need to build better and reduce our environmental footprint and emissions
 - We have the know-how and entrepreneurs in the region, we have two educational institutions – UBC-O and Okanagan College – both demonstrating leadership
 - Region is growing fast and we could be constructing high performance buildings
 - Partnership signed for green construction research and training centre involving both UBC-O and Okanagan College with a MOU with Foresight Cleantech Accelerator
 - Goal is create shared projects between students
 - Opportunity to develop more long term data on how these homes are performing from a moisture perspective
 - Currently looking at partnering with BCIT
 - Local workshops being offered through BC Community Energy Association and BCIT.
 - Suggestion to grow this idea down into the high schools
 - Suggestion to have a Sister City relationship with an energy efficient European City of similar size
 - Greenenergyfutures.ca, look for Episode 178 - great video on retro-fitting existing homes

UNFINISHED BUSINESS

BUDGET 2020 – UPDATE

See Council Update below.

COUNCIL UPDATE

- The Director, Community Infrastructure & Development Services presented recommendation to Council based on Committee's recommendations. Council unanimously supported.
- The cost associated with these recommendations will be considered in December at the budget meetings
- There was support for resources help develop policy to for having all new municipal building net zero ready
- Committee should be cautioned that this is not approved and will form part of the budget deliberations by Council

- Not all Committee recommendations were recommended to Council due to resource concerns, but should be considered in the future.
- Suggestion by the Committee of a proposed project with UBC-Okanagan to assess existing municipal building for efficiency – request to be sent
- Building Step-Code breakfast meeting was held and training happening next week.

REPORT ON UBCM

- For larger communities, number one issue was limited affordable housing/opioid crisis/homelessness, etc.
- Provincial Ministries are well-aware of issues
- Success of 52 unit building behind People Place– heat transfer is minimized along with noise was mentioned.
- City of Vernon received Community Energy Association award for using electric bikes
- All municipalities worried about flood and fire risk, adaptation issue a high priority.
- Larger communities moving on climate adaptation rapidly.

**DISTRIBUTION
'BUILDING
CLIMATE
RESILIENCE IN
THE OKANAGAN'**

- Received ½ the copies ordered from Regional District of Central Okanagan
- Giving out copies when required
- Need a strategic plan for distribution – perhaps one of the sub-committees can take this on.

**OKANAGAN
INDIAN BAND
REPRESENTATIVE**

This will come forward once the Council to Council meetings occur. Staff from OKIB have been invited to adaptation workshop on November 4, 2019.

**ROLE OF YOUTH
MEMBERS**

Discussed under Working Group Updates below.

**OTHER ACTION
ITEMS**

None

Mayor Cumming left the meeting at 4:50 p.m.

NEW BUSINESS:

**CLIMATE ACTION
PLAN PROCESS –
CHECK-IN**

The following update was provided:

- Focus on working with adaptation consultant

- Engagement schedule drafted for adaptation consultant
- Workshop scheduled for November 4, 2019
- Third workshop will occur in January then an outreach to public
- Engagement strategy developed with consultant.

**WORKING GROUP
UPDATES**

Mitigation

Consultant's Report

- Received report from Peter Robinson
- Needs to be reviewed prior to being sent out to Committee
- Need a mitigation working group meeting scheduled for November.

Adaptation

- Consultants have been hired and developing stakeholders list along with scheduling
- Focus is on adaptation and the workshops will be intense
- Plan to keep the second workshop to a smaller group
- Please keep table at workshop focused on the adaptation aspect
- Suggestion to invite the Vernon Emergency Preparedness Society as we may be engaging the same public as they are; suggestion to work together.

Engagement

Youth Engagement Program

- See Youth Working Group below

UN Climate Action Summit – September 2019

- Two occurred - youth on Friday, September 21 and leaders event September 23 in New York
- Archived videos can be found online with United Nations Webcast

SD 22 curriculum development

- Group of teachers called the Eco-educators have formed and have a proposal to go to the District with a digital framework that would be available for teachers to access
- Other teachers to be exposed for implementation and training
- Data being shared from City with School District
- Information needs to be integrated from Kindergarten to Grade 12.

SD22 delegation October 23

- Moved to November 20 – 10 minute presentation @ 6 p.m. in Kal School library. Youth presence will be led by Ayesha Sheik and Melissa Kriening.

Climate Ambassador Program

- Presentations continuing, one being done Saturday
- Greater Vernon Chamber of Commerce coming up
- Presentation at Sustainable Environment Network Society, then a facilitated discussion
- Also looking at presentations to Interior Health and Physicians in Vernon.
- An Ambassador volunteer is creating a booklet to use as well as a presentation.
- Suggestion to have larger institutions in Vernon endorse the Climate Action Plan after Council has endorsed as well as present their own - perhaps through a 'Community Pledge'.

Councillor Quiring left the meeting at 5:17 p.m.

Youth (New Working Group)

- Ayesha Sheikh and Melissa Kriening are going to pull together students at lunch to discuss climate change
- Outreach continuing - W.L. Seaton students also interested in participating
- Talk has been of big systemic changes and frustration of young people with working for companies that don't align with beliefs of climate change
- Suggestion to have a local youth climate action summit in September or on Earth Day – April 22, 2020 is the 50th Anniversary.

INFORMATION ITEMS:

none

NEXT MEETING

The next regular meeting of the Climate Action Advisory Committee will be held on Tuesday, November 13, 2019 at 3:30 p.m.

ADJOURNMENT

The meeting of the Climate Action Advisory Committee adjourned at 5:33 p.m.

CERTIFIED CORRECT:

_____ Co-Chair

_____ Co-Chair