

#33

COMPLETE

Collector: Email Invitation 1 (Email)
Started: Tuesday, April 30, 2019 11:17:38 AM
Last Modified: Monday, May 13, 2019 2:57:11 PM
Time Spent: Over a week
Email: lhartley@williamslake.ca
IP Address: 206.116.18.199

Page 2: LOCAL GOVERNMENT INFORMATION

Q1 Name of Local Government Williams Lake, City
of

Q2 Name of member Regional District Cariboo

Q3 Regional Growth Strategy (RGS) in your region No

Q4 Population 10,000 - 49,999

Q5 Submitted by

Name Leah Hartley
Position Director Development Services
Email Address lhartley@williamslake.ca
Phone Number 250 392 1766

Page 3: BROAD PLANNING ACTIONS

Q6 Community-Wide Broad Planning Actions Taken in 2018

1. **Reduced energy consumption was recorded in the City during the September disruption in gas pipeline to Lower Mainland**
 2. **Fuel reduction and prescribed burns conducted by rural land owners to reduce fire hazard.**
 3. **First EV charging station installed at Thompson Rivers University, Williams Lake Campus**
 4. **United Way assistance to residential land owners reducing fuel loads and fire hazard**
 5. **Atlantic Power Corporation accepted fire damaged wood from woodlots adjacent to the City, at favorable pricing.**
-

Q7 Additional Community-Wide Broad Planning Actions Taken in 2018 (Optional - separate each reported action with a "\")

Respondent skipped this question

Q8 Community-Wide Broad Planning Actions Proposed for 2019

1. **FireSmart practices**
 2. **Targetted outreach to national and international markets for wood waste commodities**
 3. **Expansion of Pellet Plant, subject to air quality permits**
-

Q9 Corporate Broad Planning Actions Taken in 2018

1. **Update of Corporate Strategic Plan**
 2. **Update of Community Wildfire Protection Plan**
 3. **Update of Long Term Financial Planning**
 4. **Fleet investment policies inclusive of energy efficiency**
 5. **Advocacy for long term BC Hydro power agreement with Atlantic Power so that regional wood waste is consumed.**
-

Q10 Additional Corporate Broad Planning Actions Taken in 2018(Optional - separate each reported action with a "\")

Respondent skipped this question

Q11 Corporate Broad Planning Actions Proposed for 2019

1. **Implementation of new BC Building Codes**
 2. **Monitoring of BC STEPCode for effectiveness in Northern Climates**
 3. **Implementation of Community Wildfire Protection measures including fuel reduction strategies**
-

Q12 What is (are) your current GHG reduction target(s)?

Steady Reduction

Q13 Are you familiar with your local government's community energy and emissions inventory (e.g. CEEI or another inventory)? **Yes**

Q14 What plans, policies or guidelines govern the implementation of climate mitigation in your community? **Integrated Community Sustainability Plan** , **Official Community Plan** ,
Other (please specify):
Economic Development Strategy

Q15 Does your local government have a corporate GHG reduction plan? **No**

Page 4: BUILDING AND LIGHTING ACTIONS

Q16 Community-Wide Building and Lighting Actions Taken in 2018

1. **Solar Panels installed at Credit Union**
-

Q17 Additional Community-Wide Building and Lighting Actions Taken in 2018(Optional - separate each reported action with a "\") **Respondent skipped this question**

Q18 Community-Wide Building and Lighting Actions Proposed for 2019 **Respondent skipped this question**

Q19 Corporate Building and Lighting Actions Taken in 2018

1. **Advocacy with BC Hydro to upgrade city street lights to LED**
 2. **Update of city owned buildings and facility condition assessments**
-

Q20 Additional Corporate Building and Lighting Actions Taken in 2018 (Optional - separate each reported action with a "\")

Respondent skipped this question

Q21 Corporate Building and Lighting Actions Proposed for 2019

1. **Upgrade arena chiller to an energy efficient model**
 2. **Convert city buildings to LED lighting**
 3. **Renovate Tourism Discovery Centre for expanded display areas as new home of museum**
 4. **Monitor BC Energy Step Code to assure that each step meets or exceed current requirements for northern climates.**
-

Q22 Is your local government aware of the BC Energy Step Code?

Yes

Q23 Is your local government planning on implementing the BC Energy Step Code?

Yes

Page 5: ENERGY GENERATION ACTIONS

Q24 Community-Wide Energy Generation Actions Taken in 2018

1. **Atlantic Power negotiated with BC Hydro for long term extension of agreement, blocked by provincial efforts to close independent power producers for cost savings.**
 2. **Solar panels installed at Williams Lake & District Credit Union**
 3. **An EV charging station installed at Williams Lake Campus of Thompson Rivers University**
-

Q25 Additional Community-Wide Energy Generation Actions Taken in 2018(Optional - separate each reported action with a "\")

Respondent skipped this question

Q26 Community-Wide Energy Generation Actions Proposed for 2019

1. **Several investor business plans developed, making use of surplus heat generated at Atlantic Power plant**
-

Q27 Corporate Energy Generation Actions Taken in 2018

1. **Advocacy to province, to BC Hydro and to Utilities Commission for long term extension of Atlantic Power agreement in order that waste forest fibre is generated into electrical power instead of open burning.**
 2. **Collaborative business planning with investors looking into opportunities to use the non-committed electrical power or surplus heat generated at Atlantic Power.**
 3. **Support an industrial property revitalization tax exemption program based in part on energy efficiency**
-

Q28 Additional Corporate Energy Generation Actions Taken in 2018 (Optional - separate each reported action with a "\")

Respondent skipped this question

Q29 Corporate Energy Generation Actions Proposed for 2019

1. **Work with Atlantic Power to remain operational in light of limited term lease offered by BC Hydro**
 2. **Meet with provincial officials to elaborate on value of Atlantic Power in removing wood waste hazard from local forests**
 3. **Install two EV charging stations at City Hall**
 4. **Budget for an EV charging station at Cariboo Chilcotin Tourism Discovery Center**
 5. **Expand industrial property revitalization tax exemption program based in part on energy efficiency**
-

Q30 Is your local government developing or constructing a

none of the above

Q31 Is your local government operating a

none of the above

Q32 Is your local government connected to a district energy system that is operated by another energy provider?

Yes

Q33 Are you familiar with the 2018 List of Funding Opportunities for Clean Energy Projects Led by First Nations and Local Governments? **Yes**

Page 6: GREENSPACE/NATURAL RESOURCE PROTECTION ACTIONS

Q34 Community-Wide Greenspace Actions Taken in 2018

1. **Outdoor events and celebrations including Earth Day and Farmers Markets**
 2. **Demonstration composting and gardening, urban farming events.**
 3. **Scout Island Nature Center programs continue**
 4. **School and Day Care outdoor education programming**
 5. **Nature Kindergarten retained by School District No 27**
-

Q35 Does your local government have policies, plans or programs to support local food production? **Yes**

Q36 Additional Community-Wide Greenspace Actions Taken in 2018 (Optional - separate each reported action with a "\") **Respondent skipped this question**

Q37 Community-Wide Greenspace Actions Proposed for 2019

1. **same as 2018**
-

Q38 Corporate Greenspace Actions Taken in 2018

1. **Purchase of two kilometer RC Cotton waterfront from BC Rail**
 2. **Contributions to upkeep of regional bike trail amenities inside City.**
-

Q39 Additional Corporate Greenspace Actions Taken in 2018 (Optional - separate each reported action with a "\") **Respondent skipped this question**

Q40 Corporate Greenspace Actions Proposed for 2019

1. **Development of recreation trail on RC Cotton waterfront**
 2. **Safe disposal of contaminated soils remaining from historic industrial operations**
-

Q41 Does your local government have urban forest policies, plans or programs? **No**

Page 7: SOLID WASTE ACTIONS

Q42 Community-Wide Solid Waste Actions Taken in 2018

1. **Waived tipping fees at landfill for fire damaged trees and fuel reduction green timber.**

Q43 Additional Community-Wide Solid Waste Actions Taken in 2018(Optional - separate each reported action with a "\") **Respondent skipped this question**

Q44 Community-Wide Solid Waste Actions Proposed for 2019

1. **Advocacy for continued waiving of landfill tipping fees for fire damaged timber and to support land owner efforts to firesmart their properties.**

Q45 Corporate Solid Waste Actions Taken in 2018

1. **Advocacy for improved recycling rates and diverting materials from the regional landfill serving City businesses and residents**
 2. **Marketing of the City industrial lands to new businesses using forest wood waste.**
 3. **Reuse of old pavement filings on rural roads.**
-

Q46 Additional Corporate Solid Waste Actions Taken in 2018 (Optional - separate each reported action with a "\") **Respondent skipped this question**

Q47 Corporate Solid Waste Actions Proposed for 2019

1. **Marketing of city industrial lands to business using forest wood waste**
2. **Balancing air & visual quality concerns in the City with expansion of pellet plant.**
3. **Reuse old asphalt filling on rural roads where possible**
4. **Rehabilitate pavement by Hot In Place Recycling whenever possible**
5. **Advocate for Regional District landfill policies that reduce solid waste and that encourage recycling & composting**

Q48 Does your local government have construction and demolition waste reduction policies, plans or programs? **No**

Q49 Does your local government have organics reduction/diversion policies, plans or programs? **No**

Page 8: TRANSPORTATION ACTIONS

Q50 Community-Wide Transportation Actions Taken in 2018

1. **Expansion of mountain bike trails by community group**
2. **Marked increase in transit ridership along route with increased frequency of service.**
3. **Overall increase in transit ridership after replacement of old large fleet with mid-sized transit vehicles.**
4. **Installation of public EV charging station at Thompson Rivers University WL Campus**

Q51 Additional Community-Wide Transportation Actions Taken in 2018 (Optional - separate each reported action with a "\") **Respondent skipped this question**

Q52 Community-Wide Transportation Actions Proposed for 2019

- | | |
|----|---|
| 1. | Advocacy for replacement of the Greyhound regional passenger and freight service, no operator in place at start of year. |
| 2. | Additional public EV charging stations when financial incentives available. |
| 3. | Monitor new EV performance for rural distances (minimum 100 km to next town) |
-

Q53 Corporate Transportation Actions Taken in 2018

- | | |
|----|--|
| 1. | Increase budget for transit |
| 2. | Increase transit service hours |
| 3. | Update pavement condition assessment and rehabilitation program |
| 4. | Increase budget for annual pavement rehabilitation |
| 5. | Liaise with BC Transit on regional service options including FN health transportation service |
-

Q54 Additional Corporate Transportation Actions Taken in 2018 (Optional - separate each reported action with a "\")

Respondent skipped this question

Q55 Corporate Transportation - Actions Proposed for 2019

- | | |
|----|--|
| 1. | Target Hot In Place Recycling where possible in pavement rehab. |
|----|--|
-

Q56 Does your local government have policies, plans or programs to support:

**Walking,
Cycling,
Transit Use,
Electric Vehicle Use**

Q57 Does your local government have a Transportation Demand Management (TDM) strategy (e.g. to reduce single-vehicle occupancy trips, increase travel options, provide incentives to encourage individuals to modify travel behavior)?

No

Q58 Does your local government integrate its transportation and land use planning?

Yes

Page 9: WATER AND WASTEWATER ACTIONS

Q59 Community-Wide Water and Wastewater Actions Taken in 2018

- | | |
|----|--|
| 1. | Public education and water wise tips by Cariboo Chilcotin Conservaton Society |
|----|--|
-

Q60 Additional Community-Wide Water and Wastewater Actions Taken in 2018(Optional - separate each reported action with a "\") **Respondent skipped this question**

Q61 Community-Wide Water and Wastewater Actions Proposed for 2019

- | | |
|----|--|
| 1. | Continued water wise education and advocacy |
|----|--|
-

Q62 Corporate Water and Wastewater Actions Taken in 2018

- | | |
|----|---|
| 1. | Undertaking of a comprehensive Water Management Plan |
| 2. | Outdoor irrigation restrictions during peak use times. |
-

Q63 Additional Corporate Water and Wastewater Actions Taken in 2018 (Optional - separate each reported action with a "\") **Respondent skipped this question**

Q64 Corporate Water and Wastewater Actions Proposed for 2019

- | | |
|----|---|
| 1. | Completion of 20 year water management strategy |
| 2. | Update capital budgets to implement the water management strategy, maximizing conservation efforts |
| 3. | Budget for city wide water meters |
-

Q65 Does your local government have water conservation policies, plans or programs? **Yes**

Page 10: CLIMATE CHANGE ADAPTATION ACTIONS

Q66 Please identify the THREE climate impacts that are most relevant to your Local Government

Changes to temperature and precipitation causing seasonal drought

,

Extreme weather events contributing to urban and overland flooding

,

Other (please specify):

Short term financial incentive programs that are not reliable for 5 year capital budget purposes.

Q67 In 2018 has your local government addressed the impacts of a changing climate using any of the following?

Risk and Vulnerability Assessments

,

Risk and Reduction Strategies

,

Emergency Response Planning

,

Natural/Eco Asset Management Strategies

,

Infrastructure Upgrades (e.g. stormwater system upgrades)

,

Economic Diversification Initiatives

,

Strategic and Financial Planning

,

Cross-Department Working Groups,

Changes to Zoning and other Bylaws and Regulations

,

Incentives for Property Owners (e.g. reducing stormwater run-off)

,

Public Education and Awareness

,

Mapping,

Partnerships,

Asset

Management

Q68 Climate Change Adaptation Actions Taken in 2018 Please elaborate on (as identified above or add new) key actions and/or partnerships your local government has engaged in to prepare for, and adapt to changing climate. Add links to key documents and information where appropriate.

1. **Update of Community Wildfire Protection Plan for the region**
 2. **FireSmart services through Fire Department and United Way**
 3. **Update community economic development strategies to adapt to climate change**
-

Q69 Climate Change Adaptation Actions Proposed for 2019

1. **Implementation of Wildfire mitigation strategies through fuel reduction**
 2. **FireSmart services through Fire Department**
 3. **Update Emergency Plans including evacuation route planning and ESS supports**
 4. **Seek grant funding for storm drainage master plan**
-

Q70 For more information please contact

CWPP & FireSmart: Erick Peterson
GHG emissions & offsets: Vitali Kozubenko
Community & corporate actions: Leah Hartley

2018 CARIP Climate Action/Carbon Neutral Progress Survey

Q71 The following are key resources that may be helpful to your local government in identifying climate impacts, as well as, strategies, actions and funding to deal with them. For those resources that you have used, please indicate whether they were useful in advancing your work in climate change adaptation.

Indicators of Climate Change for British Columbia	Useful
Plan2Adapt	Useful
Climate Projections for Metro Vancouver	Haven't Used
Climate Projections for the Capital Region	Haven't Used
Climate Projections for the Cowichan Valley Regional District	Haven't Used
Provinces of BC's BC Adapts Video Series	Haven't Used
Preparing for Climate Change: Implementation Guide for Local Governments	Useful
Public Infrastructure Engineering Vulnerability Committee (PIEVC)	Useful
Sea Level Rise Adaptation Primer	Useful
BC Regional Adaptation Collaborative Webinars	Useful
Retooling for Climate Change	Useful
Water Balance Model	Useful
Water Conservation Calculator	Useful
National Disaster Mitigation Program (NDMP)	Not Useful
Community Emergency Preparedness Fund (CEPF)	Useful
Municipalities for Climate Innovation Program (MCIP)	Useful
Climate Adaptation Partner Grants (FCM)	Useful
Infrastructure Planning Grants (MAH)	Useful
Federal Gas Tax Fund	Useful
Other (please specify):	Red Cross, EMBC, Community Energy Network, Interior Health Authority, First Nation Health Authority, BC Transit, FLNRORD, Rural Dividend Fund, School District No 27

Page 11: OTHER CLIMATE ACTIONS

Q72 Community-Wide Other Actions Taken in 2018

1. **Advocacy, education and service contributions by numerous community organizations using volunteer labor and services**

Q73 Corporate Other Actions Taken in 2018

1. **Funding to community organizations involved in climate mitigation and adaptation**
2. **Funding to Emergency Support Services and Fire Department supporting individual efforts to adapt.**

Q74 Are you familiar with the Community Lifecycle Infrastructure Costing Tool (CLIC)? **Yes**

Q75 Is your local government using the CLIC tool? **No**

Page 12: INNOVATION AND PEER LEARNING

Q76 Community-Wide Innovation Action **Respondent skipped this question**

Q77 Corporate Innovation Action **Respondent skipped this question**

Q78 For more information on actions described above contact **Respondent skipped this question**

Q79 Mitigation Programs, Partnerships and Funding

Transport Canada Airport Capital Assistance Program / Northern Development Initiative Trust Economic Diversification Infrastructure / Cariboo Chilcotin Beetle Action Coalition / Gas Tax Strategic Priorities / BC Hydro Community Tree Planting Program / West Fraser Timber Co City Parks Tree Planting Program / Community Energy Network

Q80 Adaptation Programs, Partnerships and Funding

UBCM FireSmart Community Resiliency / UBCM Strategic Wildfire Prevention Initiative / FortisBC Community Investment / Canadian Red Cross Society CRCS Appeal 2017 BC Fires / UBC Alex Fraser Forest Research Center

Page 13: CARBON NEUTRAL REPORTING

Q81 Did your local government measure corporate GHG emissions for 2018? **Yes**

Q82 If your local government measured 2018 corporate GHG emissions, please report the number of corporate GHG emissions from services delivered directly by your local government (in tonnes of carbon dioxide equivalent)

1337 tonnes

Q83 If your local government measured 2018 corporate GHG emissions, please report the number of corporate GHG emissions from contracted services (in tonnes of carbon dioxide equivalent) **Respondent skipped this question**

Q84 Total A: Corporate GHG emissions for 2018 (Direct GHGs + Contracted GHGs)

1337 tonnes

Page 14: REPORTING REDUCTIONS AND OFFSETS

Q85 Energy Efficient Retrofits(in tonnes of carbon dioxide equivalent (tCO2e)) **Respondent skipped this question**

Q86 Solar Thermal(in tonnes of carbon dioxide equivalent (tCO2e)) **Respondent skipped this question**

Q87 Household Organic Waste Composting(in tonnes of carbon dioxide equivalent (tCO2e)) **Respondent skipped this question**

Q88 Low Emission Vehicles(in tonnes of carbon dioxide equivalent (tCO2e)) **Respondent skipped this question**

Q89 Avoided Forest Conversion(in tonnes of carbon dioxide equivalent (tCO2e)) **Respondent skipped this question**

Q90 Total B: Reductions from all Option 1 Projects for 2018 **Respondent skipped this question**

Q91 If applicable, please report the names and 2018 GHG emissions reductions (in tonnes of carbon dioxide equivalent (tCO2e)) being claimed from Option 2 GHG Reduction Projects **Respondent skipped this question**

Q92 Total C: Reductions from all Option 2 Projects for 2018 **Respondent skipped this question**

Q93 If applicable, please report the name of offset provider, type of project and number of offsets purchased (in tonnes of carbon dioxide equivalent (tCO2e)) from an offset provider for the 2018 reporting year. Note: Please do not include funds that may be set aside in a climate action reserve fund. **Respondent skipped this question**

2018 CARIP Climate Action/Carbon Neutral Progress Survey

Q94 Total D: Offsets purchased for 2018 **Respondent skipped this question**

Q95 TOTAL REDUCTIONS AND OFFSETS FOR 2018
(Total B+C+D)= tCO₂e **Respondent skipped this question**

Q96 Corporate GHG Emissions balance for 2018 = (A-
(B+C+D) = tCO₂e **Respondent skipped this question**

Q97 If your local government was carbon neutral in
2018, please record any emissions reductions you will be
carrying over for future years and the source of the
reductions, including the year they were earned (e.g.
organics diversion, 2018 100 tCO₂e) **Respondent skipped this question**

Q98 Balance of reductions eligible for carry over to the
next year (tCO₂e)(total of emissions reductions identified
above) **Respondent skipped this question**

Q99 Does your local government set aside funds in a
climate reserve fund or something similar? **No**

Page 15: GREEN COMMUNITIES CLIMATE ACTION RECOGNITION PROGRAM

Q100 Based on your local government's 2018 Climate
Action/Carbon Neutral Progress Survey, please check
the GCC Climate Action Recognition Program level that
best applies **Level 2 - Measuring GHG
Emissions**

Q101 Related to Level 3 recognition, if applicable, please
identify any new or ongoing corporate or community-
wide GHG reduction projects (other than an Option 1 or
Option 2 project) undertaken by your local government
that reflects a significant investment of time and/or
financial resources and is intended to result in significant
GHG reductions (e.g. project name) **Respondent skipped this question**
