

#88

**COMPLETE**

**Collector:** Email Invitation 2 (Email)  
**Started:** Thursday, May 24, 2018 3:21:02 PM  
**Last Modified:** Monday, May 28, 2018 4:05:56 PM  
**Time Spent:** Over a day  
**Email:** sthiessen@merritt.ca  
**IP Address:** 207.194.237.58

---

## Page 2: LOCAL GOVERNMENT INFORMATION

**Q1 Name of Local Government** **Merritt, City of**

---

**Q2 Name of member Regional District** **Thompson-Nicola**

---

**Q3 Regional Growth Strategy (RGS) in your region** **Yes**

---

**Q4 Population** **5,000 - 9,999**

---

**Q5 Submitted by:**

Name	<b>Sheila Thiessen</b>
Position	<b>Director of Finance &amp; IT</b>
Email Address	<b>sthiessen@merritt.ca</b>
Phone Number	<b>250-378-8612</b>

---

## Page 3: BROAD PLANNING ACTIONS

**Q6 2017 Community-Wide Broad Planning Actions**

- Requirement of low flow plumbing fixtures and meters to be installed in new construction.**
  - Planned expansion of Transit service to take place in 2018 increasing ridership.**
  - Promoting water conservation through watering restrictions and education.**
  - Encouraging compact community design, by providing revitalization exemptions for new construction and renovations in the downtown core.**
-

2017 CARIP Climate Action/Carbon Neutral Progress Survey

**Q7** Additional 2017 Community-Wide Broad Planning  
(Optional - separate each reported action with a "\")

Respondent skipped this question

**Q8** Community-Wide Broad Planning - Actions Proposed for 2018

1. Working towards a universal metering program to encourage water conservation.
2. Converting walking trails to multi use pathways by paving.
3. Expanding transit service to increase ridership.

**Q9** 2017 Corporate Broad Planning Actions

1. Ongoing participation in training, conferences and forums for staff and council to remain knowledgeable on climate action and green initiatives.
2. Council support towards OCP objectives to reduce Merritt's carbon footprint through future decision making.
3. Included the impact on green house gases in budgeting decisions for 2018.

**Q10** Additional 2017 Corporate Broad Planning Actions(Optional - separate each reported action with a "\")

Respondent skipped this question

**Q11** Corporate Broad Planning - Actions Proposed for 2018

1. Ongoing training and education of Council and Staff on how to reduce the City's carbon footprint.
2. Including the impact on GHG on all asset replacement/major decisions.
3. Continued progress on implementing Greenhouse Gas Reduction policy items in OCP.

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

10% by 2020

**Q13** Are you familiar with your community'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?

**Community Energy and Emissions Plan** ,

**Official Community Plan (OCP)** ,

**Regional Growth Strategy**

---

**Q15** Does your local government have a corporate GHG reduction plan?

**No**

---

#### Page 4: BUILDING AND LIGHTING ACTIONS

**Q16** 2017 Community-Wide Building and Lighting Actions

1.

**Encouraged water conservation through the mandatory installation of low flow plumbing fixtures and mandatory water meters in new construction.**

---

**Q17** Additional Community-Wide Building and Lighting Actions (Optional - separate each reported action with a "\")

**Respondent skipped this question**

---

**Q18** Community-Wide Building and Lighting - Actions Proposed for 2018

1.

**Investigating potential incentives for builders and developers who incorporate alternative energy sources and energy efficient construction of new buildings and retrofitting existing buildings.**

---

**Q19** 2017 Corporate Building and Lighting Actions

1.

**Replacement of some street lights with LED streetlighting.**

2.

**Installation of new doors at the Nicola Valley Aquatic Centre reducing heat loss.**

---

**Q20** Additional 2017 Corporate Building and Lighting Actions (Optional - separate each reported action with a "\")

**Respondent skipped this question**

---

**Q21 Corporate Building and Lighting - Actions Proposed for 2018**

1. **Evaluation of lighting systems in Civic facilities and develop a plan for replacing and upgrading to lighting systems that are GHG efficient.**
2. **Upgrading ice plant components at the Nicola Valley Memorial Arena with more efficient ones.**
3. **Relacing older HVAC unit at Civic Centre with a new more energy efficient one.**

---

**Q22** Is your local government aware of the BC Energy Step Code? **No**

---

**Q23** Is your local government planning on implementing the BC Energy Step Code? **No**

---

Page 5: ENERGY GENERATION ACTIONS

**Q24 2017 Community-Wide Energy Generation Actions**

1. **Merritt Green Energy was constructed and will be generating electricity from wood waste from around the region.**

---

**Q25** Additional 2017 Community-Wide Energy Generation Actions (Optional - separate each reported action with a "\") **Respondent skipped this question**

**Q26 Community-Wide Energy Generation - Actions Proposed for 2018**

1. **Merritt Green Energy plant to open and be connected to the power grid.**

---

**Q27** 2017 Corporate Energy Generation Actions **Respondent skipped this question**

---

**Q28** Additional 2017 Corporate Energy Generation Actions (Optional - separate each reported action with a "\") **Respondent skipped this question**

---

**Q29** Corporate Energy Generation - Actions Proposed for 2018 **Respondent skipped this question**

---

2017 CARIP Climate Action/Carbon Neutral Progress Survey

**Q30** Is your local government developing or constructing... **None of the above**

---

**Q31** Is your local government operating... **None of the above**

---

**Q32** Is your local government connected to a district energy system that is operated by another energy provider? **No**

---

**Q33** Are you aware of the Integrated Resource Recovery guidance page on the BC Climate Action Toolkit? **Yes**

---

**Q34** Are you familiar with the 2017 "List of Funding Opportunities for Clean Energy Projects Led by First Nations and Local Governments"? **No**

---

---

Page 6: GREENSPACE/NATURAL RESOURCE PROTECTION ACTIONS

**Q35** 2017 Community-Wide Greenspace Actions

1. **The City receives either land or funding in lieu for parkland when new developments occur.**
  2. **Community Gardens are supported by the community and Council.**
- 

**Q36** Does your local government have policies, plans or programs to support local food production? **No**

---

**Q37** Additional 2017 Community-Wide Greenspace Actions (Optional - separate each reported action with a "\") **Respondent skipped this question**

---

**Q38** Community-Wide Greenspace - Actions Proposed for 2018

1. **Council support through grants for community gardens.**
- 

**Q39** 2017 Corporate Greenspace Actions

1. **Planting of trees and plants in meridian on Nicola Ave.**
  2. **Ongoing maintenance of downtown trees.**
-

2017 CARIP Climate Action/Carbon Neutral Progress Survey

**Q40** Additional 2017 Corporate Greenspace Actions  
(Optional - separate each reported action with a "\")

Respondent skipped this question

**Q41** Corporate Greenspace - Actions Proposed for 2018

1. Landscaping projects at gateways to the City.

**Q42** Does your local government have urban forest policies, plans or programs?

No

Page 7: SOLID WASTE ACTIONS

**Q43** 2017 Community-Wide Solid Waste Actions

1. Supported waste reduction policies and actions outlined in the Regional Solid Waste Management Plan.
2. Provided composters to the public at cost.
3. Provided tips on reducing solid waste through local media outlets and social media.

**Q44** Additional 2017 Community-Wide Solid Waste Actions (Optional - separate each reported action with a "\")

Respondent skipped this question

**Q45** Community-Wide Solid Waste - Actions Proposed for 2018

1. Continued support of the waste reduction policies and actions in the Regional Solid Waste Management Plan.
2. Use of website and social media to communicate tips for reducing solid waste.

**Q46** 2017 Corporate Solid Waste Actions

1. Separation of waste at all City facilities.
2. Working on reducing paper consumption.

**Q47** Additional 2017 Corporate Solid Waste Actions (Optional - separate each reported action with a "\")

Respondent skipped this question

**Q48** Corporate Solid Waste - Actions Proposed for 2018

1. Education of staff on methods of reducing and/or eliminating waste generated through operations.

**Q49** Does your local government have construction and demolition waste reduction policies, plans or programs? **Yes**

---

**Q50** Does your local government have organics reduction/diversion policies, plans or programs? **No**

---

Page 8: TRANSPORTATION ACTIONS

**Q51** 2017 Community-Wide Transportation Actions

- |    |   |
|----|---|
| 1. | <b>Ongoing support and promotion of transit system.</b>                       |
| 2. | <b>Participation in Bike to Work Week</b>                                     |
| 3. | <b>Operated and maintained electric vehicle charging stations.</b>            |
| 4. | <b>Followed up transit service review with request for expanded services.</b> |
- 

**Q52** Additional 2017 Community-Wide Transportation Actions (Optional - separate each reported action with a "\") **Respondent skipped this question**

---

**Q53** Community-Wide Transportation- Actions Proposed for 2018

- |    |   |
|----|---|
| 1. | <b>Funding and promoting expanded transit services in the region.</b> |
| 2. | <b>Ongoing operations of electric vehicle chargers</b>                |
- 

**Q54** 2017 Corporate Transportation Actions

- |    |   |
|----|---|
| 1. | <b>Anti-idling policy for all City vehicles</b>                                 |
| 2. | <b>Replacement of older fleet with newer more efficient models.</b>             |
| 3. | <b>Encouraging and promotion of car pooling when attending conferences etc.</b> |
- 

**Q55** Additional 2017 Corporate Transportation Actions (Optional - separate each reported action with a "\") **Respondent skipped this question**

---

**Q56 Corporate Transportation - Actions Proposed for 2018**

1. **Ongoing fleet maintenance and upgrades to newer, more efficient models.**
  2. **Encouragement of car pooling when attending functions on behalf of the City.**
- 

**Q57 Does your local government have policies, plans or programs to support:**

**Walking,**  
**Cycling,**  
**Transit,**  
**Electric Vehicles**

---

**Q58 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**

---

**Q59 Does your local government integrate its transportation and land use planning?**

**Yes**

---

Page 9: WATER AND WASTEWATER

**Q60 2017 Community-Wide Water and Wastewater Actions**

1. **Promotion and education pertaining alternative plantings.**
  2. **Enforcement of watering restrictions.**
- 

**Q61 Additional 2017 Community-Wide Water and Wastewater Actions (Optional - separate each reported action with a "\")**

**Respondent skipped this question**

---

**Q62 Community-Wide Water and Wastewater - Actions Proposed for 2018**

1. **Working on developing a universal water metering program.**
  2. **Continuing with education and promotion of plantings that require low watering levels.**
  3. **Enforcement of watering restrictions.**
-



**Q63** 2017 Corporate Water and Wastewater Actions

- |    |  |
|----|--|
| 1. | <b>Ongoing work on storm drain master plan for rainfall and run off.</b> |
| 2. | <b>Installation of UV system on municipal water supply.</b>              |
| 3. | <b>Ongoing leak detection program.</b>                                   |
- 

**Q64** Additional 2017 Corporate Water and Wastewater Actions (Optional - separate each reported action with a "\")

Respondent skipped this question

---

**Q65** Corporate Water and Wastewater - Actions Proposed for 2018

- |    |   |
|----|---|
| 1. | <b>Ongoing work on storm drain master plan.</b>               |
| 2. | <b>Commissioning of UV System for municipal water system.</b> |
| 3. | <b>Ongoing leak detection program.</b>                        |
- 

**Q66** Does your local government have water conservation policies, plans or programs?

Yes

---

Page 10: CLIMATE CHANGE ADAPTATION ACTIONS

**Q67** Is your local government concerned about any of the following impacts from a changing climate? (Please check top three)

**Changes to temperature and precipitation causing seasonal drought**  
 ,  
**Increased temperatures affecting reducing air quality,**  
**Extreme weather events contributing to urban and overland flooding**

---

**Q68** In the last year has your local government addressed the impacts of a changing climate using any of the following?

**Emergency response planning** ,  
**Economic diversification initiatives** ,  
**Strategic and financial planning** ,  
**Public education and awareness**

---

**Q69** Climate Change Adaptation Actions Taken in 2017 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. **Firesmart Community Information Sessions**
- 

**Q70** Climate Change Adaptation - Actions Proposed for 2018

1. **Firesmart Community Education**
  2. **Developing prescription for fuel management.**
  3. **Use of goats to reduce fuel on hillsides.**
- 

**Q71** For more information please contact: **Respondent skipped this question**

---

**Q72** 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. Are you familiar with any of these adaptation resources?

- Indicators of Climate Change for British Columbia, 2016**
  - Community Emergency Preparedness Fund (CEPF)**
  - Infrastructure Planning Grants (MAH)**
  - Federal Gas Tax Fund**
-

## 2017 CARIP Climate Action/Carbon Neutral Progress Survey

**Q73** 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, 2016	<b>Haven't Used</b>
Plan2Adapt	<b>Haven't Used</b>
Climate Projections for Metro Vancouver	<b>Haven't Used</b>
Climate Projections for the Capital Region	<b>Haven't Used</b>
Climate Projections for the Cowichan Valley Regional District	<b>Haven't Used</b>
Provinces of BC's BC Adapts Video Series	<b>Haven't Used</b>
Preparing for Climate Change: An Implementation Guide for Local Governments	<b>Haven't Used</b>
The Public Infrastructure and Engineering Vulnerability Committee's (PIEVC) protocol	<b>Haven't Used</b>
Sea Level Rise Primer	<b>Haven't Used</b>
BC Regional Adaptation Collaborative Webinars	<b>Haven't Used</b>
www.ReTooling.ca	<b>Haven't Used</b>
Water Balance Model	<b>Haven't Used</b>
Water Conservation Calculator	<b>Haven't Used</b>
National Disaster Mitigation Program (NDMP)	<b>Haven't Used</b>
Community Emergency Preparedness Fund (CEPF)	<b>Useful</b>
Municipalities for Climate Innovation Program (MCIP)	<b>Haven't Used</b>
Climate Adaptation Partner Grants (FCM)	<b>Haven't Used</b>
Infrastructure Planning Grants (MAH)	<b>Useful</b>
Federal Gas Tax Fund	<b>Useful</b>

### Page 11: OTHER CLIMATE ACTIONS

**Q74** 2017 Community-Wide Other Actions **Respondent skipped this question**

**Q75** 2016 Corporate Other Actions **Respondent skipped this question**

**Q76** Are you familiar with the Community Lifecycle Infrastructure Costing Tool (CLIC)? **Yes**

**Q77** Have you used the CLIC? **No**

### Page 12: INNOVATION AND PEER LEARNING

2017 CARIP Climate Action/Carbon Neutral Progress Survey

**Q78** Community - Wide Innovation

Respondent skipped this question

---

**Q79** Corporate Innovation

Respondent skipped this question

---

**Q80** For more information on actions described above contact:

Respondent skipped this question

---

**Q81** Mitigation Programs, Partnerships and Funding

Respondent skipped this question

---

**Q82** Adaptation Programs, Partnerships and Funding

Respondent skipped this question

---

Page 13: 2016 CARBON NEUTRAL REPORTING

**Q83** Did you measure your local government's corporate GHG emissions in 2017? **Yes**

---

**Q84** If your local government measured 2017 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) Please note that as a result of the BC Recycling Regulation, local governments are no longer required to account for greenhouse gas (GHG) emissions from vehicles, equipment and machinery required for the collection, transportation and diversion of packaging and printed paper, in their annual CARIP reports.

902

---

**Q85** If your local government measured 2017 corporate GHG emissions, please report the number of corporate GHG emissions from contracted services (in tonnes of carbon dioxide equivalent):

Respondent skipped this question

---

**Q86** Total A: Corporate GHG emissions for 2017 (Direct GHGs + Contracted GHGs)

902

---

Page 14: REPORTING REDUCTIONS AND OFFSETS

**Q87** Energy Efficient Retrofits(in tonnes of carbon dioxide equivalent (tCO2e))

Respondent skipped this question

---

**Q88** Solar Thermal(in tonnes of carbon dioxide equivalent (tCO2e))

Respondent skipped this question

---

2017 CARIP Climate Action/Carbon Neutral Progress Survey

**Q89** Household Organic Waste Composting(in tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e)) Respondent skipped this question

---

**Q90** Low Emission Vehicles(in tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e)) Respondent skipped this question

---

**Q91** Avoided Forest Conversion(in tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e)) Respondent skipped this question

---

**Q92** Total B: Reductions from all Option 1 Projects for 2017 Respondent skipped this question

---

**Q93** If applicable, please report the names and 2017 GHG emissions reductions (in tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e)) being claimed from Option 2 GHG Reduction Projects: Respondent skipped this question

---

**Q94** Total C: Reductions from all Option 2 Projects for 2017 Respondent skipped this question

---

**Q95** If applicable, please report the name of offset provider, type of project and the number of offsets purchased (in tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e)) from an offset provider for the 2017 reporting year.Note: Please do not include funds set aside in a climate action reserve fund. Respondent skipped this question

---

**Q96** Total D: Offsets purchased for 2017 Respondent skipped this question

---

**Q97** TOTAL REDUCTIONS AND OFFSETS FOR 2017 (Total B+C+D) Respondent skipped this question

---

**Q98** Corporate GHG Emissions balance for 2017 = (A- (B+C+D) =

902

---

**Q99** If applicable, 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, 2017 100 tCO<sub>2</sub>e). Respondent skipped this question

---

**Q100** Balance of reductions eligible for carry over to the next year (tCO<sub>2</sub>e)(total of emissions reductions identified above) Respondent skipped this question

---

**Q101** Does your local government set aside funds in a climate reserve fund or something similar? **No**

---

Page 15: RECOGNITION

**Q102** Based on your local government's 2017 Climate Action/Carbon Neutral Progress Survey, please check the GCC Climate Action Recognition Program level that best applies: **Level 2 - Measuring GHG Emissions**

---

**Q103** 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. **Respondent skipped this question**

---