

#120

COMPLETE

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Page 2: LOCAL GOVERNMENT INFORMATION

Q1 Name of Local Government **Silverton, The Corporation of the Village of**

Q2 Name of member Regional District **Central Kootenay**

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

Q4 Population **0 - 4,999**

Q5 Submitted by:

Name **Hillary Elliott**
Position **CAO**
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Page 3: BROAD PLANNING ACTIONS

Q6 2017 Community-Wide Broad Planning Actions

1. **Asset Management Plan and Assessment**
 2. **Community Composting Program**
 3. **Solar PV Facility Assessment**
 4. **Climate Adaptation Program and Assessment**
 5. **Eco-Asset Mapping**

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. | Facility Building Performance Assessment |
| 2. | Official Community Plan Review |
| 3. | Zoning Bylaw Update |
| 4. | Fleet Assessment |
-

Q9 2017 Corporate Broad Planning Actions

- | | |
|----|---------------------------------------------|
| 1. | Solar PV Facility Assessment |
| 2. | Asset Management Plan Implementation |
| 3. | Eco-Asset Management Assessment |
| 4. | Tree Inventory Assessment |
-

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. | Aquifer Assessment Plan |
| 2. | Watershed Assessment |
| 3. | Bull Trout WHA Application |
| 4. | Climate Adaptation Assessment |
-

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

10%

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 ,
 Integrated Community Sustainability Plan ,
 Community-Wide Climate Action Plan ,
 Official Community Plan (OCP) ,
 Regional Growth Strategy

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

Yes

Page 4: BUILDING AND LIGHTING ACTIONS

Q16 2017 Community-Wide Building and Lighting Actions

1. upgrade to high efficiency lighting in 3 public buildings
2. upgrade to a new heating and cooling system in Gallery Building
3. upgrade building performance envelope in 2 public buildings

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. upgrade lighting in 3 public buildings
2. upgrade building performance envelope in 2 public buildings

Q19 2017 Corporate Building and Lighting Actions

1. upgrade lighting in 3 public buildings
2. upgrade insulation in 2 public buildings
3. installation of new heating and cooling system in 1 public building
4. installation of a new fire suppression system in 1 public building

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. installation of level 2 electric vehicle station
2. work towards LED lighting in all buildings
3. upgrade insulation in community hall

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 2017 Community-Wide Energy Generation Actions

1. replace oil heating system to mechanical heating system in 1 public building
2. solar pv installation in 3 public buildings

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. replace heating system in 1 public building
2. solar pv system in 3 public buildings

Q27 2017 Corporate Energy Generation Actions

1. LED lighting installations in 3 public buildings
2. replace heating system in 1 public building

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

- | | |
|----|------------------------------------------------------------------------|
| 1. | building performance envelope improvements in 1 public building |
| 2. | assessment of water reservoir performance |
| 3. | fleet vehicle assessment |
-

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"? **Yes**

Page 6: GREENSPACE/NATURAL RESOURCE PROTECTION ACTIONS

Q35 2017 Community-Wide Greenspace Actions

- | | |
|----|---------------------------------------------|
| 1. | trail development |
| 2. | tree removal and replacement program |
-

Q36 Does your local government have policies, plans or programs to support local food production? **Yes**

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. | tree removal and replacement program |
| 2. | trail enhancement and development |
-

2017 CARIP Climate Action/Carbon Neutral Progress Survey

Q39 2017 Corporate Greenspace Actions

- | | |
|----|---------------------------------------------|
| 1. | tree removal and replacement program |
| 2. | trail development |
-

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. | continued tree removal and replacement prgram |
| 2. | trail development |
| 3. | implementation of a new outdoor exercise equipment placement |
-

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

Page 7: SOLID WASTE ACTIONS

Q43 2017 Community-Wide Solid Waste Actions

- | | |
|----|-------------------------------------|
| 1. | community composting program |
| 2. | waste diversion assessment |
-

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. | community composting program |
| 2. | waste diversion initiatives |
-

Q46 2017 Corporate Solid Waste Actions

- | | |
|----|-------------------------------------------|
| 1. | waste diversion policy development |
| 2. | waste diversion assesment |
-

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. | watse diversion assessment |
| 2. | community recycling program |
-

Q49 Does your local government have construction and demolition waste reduction policies, plans or programs? **No**

Q50 Does your local government have organics reduction/diversion policies, plans or programs? **Yes**

Page 8: TRANSPORTATION ACTIONS

Q51 2017 Community-Wide Transportation Actions

- | | |
|----|--------------------------------|
| 1. | fleet assessment |
| 2. | pavement strategy |
| 3. | electric vehicle staion |
-

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. | electric vehicle station |
| 2. | fleet assessment |
| 3. | pavement management plan |
-

Q54 2017 Corporate Transportation Actions

- | | |
|----|----------------------------------------|
| 1. | pavement rehabilitation program |
| 2. | sidewalk assessment program |
-

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. | sidewalk replacement program |
| 2. | pavement management program |
-

2017 CARIP Climate Action/Carbon Neutral Progress Survey

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

Other (please specify):
we are working on these policies

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. **water main replacement program**
2. **water reservoir assessment**

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. **water reservoir upgrade assessment**
2. **water main replacement program**

Q63 2017 Corporate Water and Wastewater Actions

1. **water main replacement program**
2. **water reservoir upgrades**

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. **water reservoir upgrades**
2. **water main replacement program**
3. **water hydrant replacement program**

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 increasing wildlife activity

Changing temperatures influencing species migration and ecosystem shifts

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

Emergency response planning

Natural/Eco asset management strategies,

Infrastructure upgrades (e.g. stormwater system upgrades)

OCP policy changes,

Public education and awareness

Mapping

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. **working with stakeholders on climate adaptation planning**
2. **working with regional district on mapping**
3. **working with consultants on a watershed assessment**
4. **working with consultants on wildfire mitigation plans**

Q70 Climate Change Adaptation - Actions Proposed for 2018

1. **partnering with regional district and RDI on climate adaptation plans and implementation plans**
2. **wildfire mitigation implementation program**

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

2017 CARIP Climate Action/Carbon Neutral Progress Survey

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
- Preparing for Climate Change: Implementation Guide
- Community Emergency Preparedness Fund (CEPF)
- Municipalities for Climate Innovation Program (MCIP)
- Climate Adaptation Partner Grants (FCM),
- Infrastructure Planning Grants (MAH)
- Federal Gas Tax Fund

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	Haven't Used
Plan2Adapt	Haven't Used
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: An Implementation Guide for Local Governments	Useful
The Public Infrastructure and Engineering Vulnerability Committee's (PIEVC) protocol	Haven't Used
Sea Level Rise Primer	Haven't Used
BC Regional Adaptation Collaborative Webinars	Haven't Used
www.ReTooling.ca	Haven't Used
Water Balance Model	Haven't Used
Water Conservation Calculator	Haven't Used
National Disaster Mitigation Program (NDMP)	Haven't Used
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

Page 11: OTHER CLIMATE ACTIONS

Q74 2017 Community-Wide Other Actions

- | | |
|----|----------------------------------|
| 1. | tree inventory assessment |
| 2. | eco-asset assessment |
-

Q75 2016 Corporate Other Actions

- | | |
|----|------------------------------|
| 1. | asset management plan |
| 2. | aquafer assessment |
-

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

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? **No**

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.

Respondent skipped this question

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)

Respondent skipped this question

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

Q89 Household Organic Waste Composting(in tonnes of carbon dioxide equivalent (tCO2e))

Respondent skipped this question

Q90 Low Emission Vehicles(in tonnes of carbon dioxide equivalent (tCO2e))

Respondent skipped this question

Q91 Avoided Forest Conversion(in tonnes of carbon dioxide equivalent (tCO2e))

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 (tCO2e)) being claimed from Option 2 GHG Reduction Projects:

Respondent skipped this question

2017 CARIP Climate Action/Carbon Neutral Progress Survey

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 (tCO₂e)) 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)) = **Respondent skipped this question**

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 tCO₂e). **Respondent skipped this question**

Q100 Balance of reductions eligible for carry over to the next year (tCO₂e)(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? **Yes**

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 1 - Demonstrating Progress on Charter Commitment**

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**
