

#178

COMPLETE

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Page 2: LOCAL GOVERNMENT INFORMATION

Q1 Name of Local Government Courtenay, The Corporation of the City of

Q2 Name of member Regional District Comox Valley

Q3 Regional Growth Strategy (RGS) in your region Yes

Q4 Population 10,000 - 49,999

Q5 Submitted by:

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Page 3: BROAD PLANNING ACTIONS

2017 CARIP Climate Action/Carbon Neutral Progress Survey

Q6 2017 Community-Wide Broad Planning Actions

1. **Detailed review of Official Community Plan (OCP) and development of draft OCP updating environmental/development permit areas and reporting requirements**
2. **Council review of downtown (EV) charging stations**
3. **Start inventory all Street lights, type, consumption, current power requirements**
4. **Encourage the Downtown Business Improvement Association to participate in the (EV) Charging program.**
5. **Tree Bylaw adopted (sets expectations regarding replacement and retention when removing trees on all lands in the City)**

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. **Urban Forest Strategy for public and private lands**

Q9 2017 Corporate Broad Planning Actions

Respondent skipped this question

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

Respondent skipped this question

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

To reduce the City's annual community-wide greenhouse gas emissions 20% below 2007 levels by 2020, with an incremental reduction target of 2% per year between 2010 and 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 ,
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. **Detailed Inventory of majority of City Owned buildings, including energy reduction assessment.**
2. **Implement further phases of Building Energy capital projects identified by 2015 energy Audit.**

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. **Business plan & Budget request to replace Street Lights City wide with Led's (5 Year plan)**
2. **Complete inventory assessment of City owned buildings, Make recommendations to improve assets.**

Q19 2017 Corporate Building and Lighting Actions

1. **Phase Theatrical lighting conversion to LED – Sid Williams Theatre**
2. **MEMORIAL POOL - Replace Boiler with High Efficiency**
3. **LIBRARY - Buiding Energy Reduction - DDC commissioning**
4. **ART GALLERY - Building Energy Reduction - DDC commissioning**

2017 CARIP Climate Action/Carbon Neutral Progress Survey

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. City Hall – Insulation upgrade w/roof replacement; High efficiency RTU replacement
2. ART GALLERY - Building Energy Reduction
3. FILBERG CENTRE - Building Energy Reduction
4. LIBRARY - Building Energy Reduction Lighting
5. LINC YOUTH CENTRE - Heating System Replacement

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?

No

Page 5: ENERGY GENERATION ACTIONS

Q24 2017 Community-Wide Energy Generation Actions

Respondent skipped this question

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

Respondent skipped this question

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

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. **Implemented new Tree Bylaw**
- 2. **Urban Forest Management plan**

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. **Rotary Riverside Trail Project – Trail rehabilitation to address bank stabilization (Riparian area protection)**
- 2. **Valley View Greenway Project – Trail rehabilitation to address bank stabilization (Riparian area protection)**
- 3. **Tree Planting – City Wide**
- 4. **Urban Forest Strategy for public and private lands – will inform public forest/tree management expectations**

Q39 2017 Corporate Greenspace Actions **Respondent skipped this question**

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

Q41 Corporate Greenspace - Actions Proposed for 2018 Respondent skipped this question

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. Participate in region-wide yard waste diversion program
 2. Multifamily - Public Awareness Campaign – Recycling Contamination Reduction
 3. Working with property managers/building owners, have reference list of acceptable/non acceptable material posted in a common area within the complex
-

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. Developing online tool and mobile app for waste management including collection calendar What materials go where....
 2. Education and outreach promoting new online tools
 3. Implement “OOPS Stickers”
-

Q46 2017 Corporate Solid Waste Actions

1. Curbside - Public Awareness Campaign – Recycling Contamination Reduction
 2. City office paper recycling program
 3. Continued organics diversion program in City Hall
-

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. Look at organics diversion program at other City facilities
-

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? **Yes**

Page 8: TRANSPORTATION ACTIONS

Q51 2017 Community-Wide Transportation Actions

1. **Inventory assessment of all Bus Shelters, locations and potential new locations**

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. **Continue Bus Shelter operating/maintenance and capital funding for Regional Transit**

Q54 2017 Corporate Transportation Actions

1. **Continue annual "Bike to Work Week"**

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

Q56 Corporate Transportation - Actions Proposed for 2018 **Respondent skipped this question**

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

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. **Awarded infrastructure planning grant for development of water conservation plan**
 2. **Scada implementation plan**
-

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 conservation Ambassador program – Summer student education and outreach**
 2. **Municipal Natural Asset plan**
-

Q63 2017 Corporate Water and Wastewater Actions

1. **Water technologist hired**
 2. **Water meter assessment/replacement program**
-

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. **Building Scada System**
 2. **Water leak loss / detection program**
 3. **Implement Water meter assessment/replacement program**
-

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

Page 10: CLIMATE CHANGE ADAPTATION ACTIONS

2017 CARIP Climate Action/Carbon Neutral Progress Survey

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

Increased temperatures increasing wildlife activity ,
Extreme weather events contributing to urban and overland flooding
,
Sea level rise and storms causing flooding and/or erosion

Q68 In the last year 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)
,
Beach Nourishment projects,
Strategic and financial planning ,
Cross-department working groups,
OCP policy changes,
Research,
Mapping,
Partnerships

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. Signed a LOU for Kus-kus-sum – Fields Sawmill Restoration with Project Watershed

Q70 Climate Change Adaptation - Actions Proposed for 2018

1. Participation in the second cohort of the Municipal Natural Asset Initiative to develop an alternative plan for flood mitigation to renewal of existing dikes.

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?

- Water Balance Model,**
- National Disaster Mitigation Program (NDMP) ,**
- 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	Haven't Used
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	Useful
Water Conservation Calculator	Haven't Used
National Disaster Mitigation Program (NDMP)	Haven't Used
Community Emergency Preparedness Fund (CEPF)	Haven't Used
Municipalities for Climate Innovation Program (MCIP)	Haven't Used
Climate Adaptation Partner Grants (FCM)	Haven't Used
Infrastructure Planning Grants (MAH)	Useful
Federal Gas Tax Fund	Useful

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

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.

839

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):

363

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

1,202

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**

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)

0

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

1,202

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 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
