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**COMPLETE**

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## Page 2: LOCAL GOVERNMENT INFORMATION

**Q1 Name of Local Government** **Regional District of Mount Waddington**

**Q2 Name of member Regional District** **Mount Waddington**

**Q3 Regional Growth Strategy (RGS) in your region** **No**

**Q4 Population** **10,000 - 49,999**

**Q5 Submitted by:**

**Name** **Greg Fletcher**  
**Position** **CAO**  
**Email Address** **gfletcher@rdmw.bc.ca**  
**Phone Number** **2509563301**

## Page 3: BROAD PLANNING ACTIONS

**Q6 2017 Community-Wide Broad Planning Actions** **Respondent skipped this question**

**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. **Expand EV Charging network to ensure that there are charge stations available at the terminus of all major paved roads in the region.**

2017 CARIP Climate Action/Carbon Neutral Progress Survey

**Q9** 2017 Corporate Broad Planning Actions

1. **Amended Energy plan to include energy efficiency goals for all services**

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

**Respondent skipped this question**

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

1. **Set CO2 operational emissions targets, prior to offsets, for 50% reduction of operational CO2e by 2020 and 60% by 2025 (from 2011 baseline).**

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

50% by 2020, 60% by 2025

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

**Yes**

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**Q14** What plans, policies or guidelines govern the implementation of climate mitigation in your community?

**Official Community Plan (OCP)** ,  
Other (please specify):  
RDMW Energy Plan, Regional OCP

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

**Yes**

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Page 4: BUILDING AND LIGHTING ACTIONS

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

**Respondent skipped this question**

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

**Respondent skipped this question**

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

**Respondent skipped this question**

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**Q19** 2017 Corporate Building and Lighting Actions

1. Replaced all fixtures to dimmable LED lighting in RDMW main office
  2. Completed conversion of lighting to efficient fixtures at the Regional Arena
  3. Completed the heat recovery hot water system at the arena
  4. Installed a heat pump at the Hyde Creek Firehall
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**Q20** Additional 2017 Corporate Building and Lighting Actions (Optional - separate each reported action with a "\")

Respondent skipped this question

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

1. Convert the propane supplemental hot water heater for the Zamboni to electric, to eliminate all fossil fuel use at the arena; completed in the first week of January.
  2. Provide solar powered emergency backup power systems at the main RDMW office and four fire halls that will also incrementally reduce power consumption (for emergency lighting)
  3. Support renovations of community recreational infrastructure that will improve energy efficiency
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**Q22** Is your local government aware of the BC Energy Step Code?

Yes

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

No

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

1. In conjunction with Alert Bay, have made actual EV solar generation information available on-line through the 'Solaredge' application such that interested parties can accurately determine the potential performance of EV solar generation on the North Island.
2. Lobbied BC Hydro to change the discriminatory LG net metering rate which provides any optimum roof (ie large & free of obstructions) solar EV sites with only 55% of the rate that small (and less efficient sites) would enjoy.

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

Respondent skipped this question

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

1. In conjunction with weather stations that have been installed for some of our utilities, will provide a more detailed weather analysis that includes information on cloud cover etc. Currently all available weather data is from the Port Hardy airport which is an inaccurate proxy for many of our communities. The more detailed weather information will assist in optimizing potential from Solar EV and wind power installations.
2. Will continue to lobby BC Hydro, the Province and BCUC to change the LG rate structure to remove the discriminatory rate for solar net metering.

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**Q27** 2017 Corporate Energy Generation Actions

1. Installed a 9KW solar EV generating, net metered system on the arena roof with capacity to expand to 100KW

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**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. **Provide a emergency power backup system at the RDMW office that will be supplemented by solar power; use this as a template for our four VFD services**
2. **Subject to funding programs or improved LG rate tariffs, expand the arena solar generating system to 100 KW and convert an equivalent amount of current fossil fuel heating systems to electric**

**Q30 Is your local government developing or constructing...**      **A district energy system ,  
A renewable energy system**

**Q31 Is your local government operating...**      **A district energy system ,  
A renewable energy system**

**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. **Continue to monitor development to ensure that it complies with protection provisions in land use bylaws.**
2. **Continued public information related to invasive species eradication program in selected communities.**

**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. Continue to monitor development to ensure that it complies with protection provisions in land use bylaws.
2. Continued public information related to invasive species eradication program in selected communities.

**Q39** 2017 Corporate Greenspace Actions

1. Continue to monitor development to ensure that it complies with protection provisions in land use bylaws.
2. Continue to work with key partners (other local governments, First Nations, provincial agencies, forest industry) to eradicate invasive species eradication program in select communities and rural areas including watersheds with outbreaks that threaten fish habitat (ie Marble River).

**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. Continue to monitor development to ensure that it complies with protection provisions in land use bylaws.
2. Continue to work with key partners (other local governments, First Nations, provincial agencies, forest industry) to eradicate invasive species eradication program in select communities and rural areas including watersheds with outbreaks that threaten fish habitat (ie Marble River).

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

No

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

1. **Continue to accept refuse from public land/community cleanups for free recycling & disposal**
  2. **Continue to Provide free recycling & yard & garden composting services at all RDMW transfer stations & landfill**
  3. **Reduced tipping fees on properly packaged asbestos containing demolition waste (including drywall) to ensure that it is disposed of properly. Targeted public relations exercise to ensure that key parties had been informed of the change.**
  4. **Expanded recycling to include cloth at regional recycling facility and satellite transfer stations**
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**Q44** Additional 2017 Community-Wide Solid Waste Actions (Optional - separate each reported action with a "\")

Respondent skipped this question

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

1. **Carry on with all the programs currently provided**
  2. **Manage our industrial wood chipping contract for 7 mile such that it can also be utilized for other communities throughout the North Island to encourage development of options for wood, yard and garden waste that will reduce the amount of back road dumping and landfill disposal.**
  3. **Provide a public information campaign related to how property owners can deal with invasive species in a safe and effective manner without contributing to further spread (ie proper disposal to prevent further spread)**
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**Q46** 2017 Corporate Solid Waste Actions

1. **Expanded the Biocover project at the 7 Mile Landfill; a grant has allowed the RDMW to rigorously measure and evaluate the efficiency of the biocover system to reduce methane emissions at the landfill.**
  2. **Continued the woodwaste/biosolids composting program utilizing biosolids from all NI secondary sewage treatment plants and chipped woodwaste deposited or recovered at the landfill**
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**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. **Continue and expand the Biocover project**
2. **Continue all composting and recycling programs**
3. **Develop a woodwaste disposal area at the Malcolm Island Transfer station such that clean wood waste and garden waste can be stockpiled until there is sufficient quantity to bring over an industrial sized chipper. The chipped waste can then be used for local purposes including mulch for gardeners including the adjacent community garden facility.**

**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**

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Page 8: TRANSPORTATION ACTIONS

**Q51** 2017 Community-Wide Transportation Actions

1. **Purchased a new wheel chair van for the Volunteer Transportation Network to improve capacity to provide service to people who may have mobility issues and have difficulties going to medical appointments etc.**
2. **Expanded the transit system to provide Saturday service to Coal Harbour/Quatsino**
3. **Lobbied major forestry company to retain their energy/carbon efficient railway operation as opposed to the standard high carbon truck based system (unfortunately without success & the 100 year operation shifted to the standard high carbon trucking alternative in early 2018)**

**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

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|----|--|
| 1. | <b>Expand the Volunteer Transportation Network to serve Port Alice</b> |
| 2. | <b>Provide twice daily bus service to the Port Hardy airport</b>       |
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**Q54** 2017 Corporate Transportation Actions

- |    |  |
|----|--|
| 1. | <b>As above, related to community wide benefits</b>  |
| 2. | <b>Provide a permanent location for the Transit buses at the Port McNeill &amp; Port Hardy Public works yards.</b> |
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<b>Q55</b> Additional 2017 Corporate Transportation Actions (Optional - separate each reported action with a "\")	<b>Respondent skipped this question</b>
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<b>Q56</b> Corporate Transportation - Actions Proposed for 2018	<b>Respondent skipped this question</b>
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<b>Q57</b> Does your local government have policies, plans or programs to support:	<b>Walking, Cycling, Transit, Electric Vehicles</b>
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<b>Q58</b> 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)	<b>No</b>
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<b>Q59</b> Does your local government integrate its transportation and land use planning?	<b>Yes</b>
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Page 9: WATER AND WASTEWATER

<b>Q60</b> 2017 Community-Wide Water and Wastewater Actions	<b>Respondent skipped this question</b>
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<b>Q61</b> Additional 2017 Community-Wide Water and Wastewater Actions (Optional - separate each reported action with a "\")	<b>Respondent skipped this question</b>
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**Q62** Community-Wide Water and Wastewater - Actions Proposed for 2018

Respondent skipped this question

**Q63** 2017 Corporate Water and Wastewater Actions

1. **Logic Control for sewer systems in Woss, and Sointula, water systems in Woss and Coal Harbour to reduce water waste and improve pumping efficiency**
2. **De-watering systems for Sointula, Coal Harbour and Water sewage treatment plants**
3. **Started upgrade and capacity expansion of the Coal Harbour/Quatsino FN Sewage Treatment Plant**

**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. **Complete the projects initiated in 2017, above.**

**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)

- Warmer winter temperatures reducing snowpack ,**
- Increased temperatures increasing wildlife activity ,**
- 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)** ,
- Economic diversification initiatives** ,
- Strategic and financial planning** ,
- Cross-department working groups, OCP policy changes,**
- Changes to zoning and other bylaws and regulations** ,
- Public education and awareness** ,
- 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. **Continued debt free with sufficient reserves to provide for ability to rapidly adapt to changing opportunities or deal with emergent situations.**

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

1. **Upgrade our Emergency Operations Center and all our firehalls to enable continued operations during extended emergencies that include the loss of grid tied power.**
2. **Ensure all communities have adequate emergency supplies and trained emergency social services volunteers.**

**Q71** For more information please contact:

Respondent skipped this question

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**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** ,

**Retooling Website,**

**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**

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## 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>Useful</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>Useful</b>
The Public Infrastructure and Engineering Vulnerability Committee's (PIEVC) protocol	<b>Haven't Used</b>
Sea Level Rise Primer	<b>Useful</b>
BC Regional Adaptation Collaborative Webinars	<b>Haven't Used</b>
www.ReTooling.ca	<b>Useful</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>Useful</b>
Climate Adaptation Partner Grants (FCM)	<b>Useful</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

**Q78 Community - Wide Innovation**

The RDMW's invasive species reduction initiative is now in its 4th year and provides an example of a collaborative approach that now involves the RDMW, three municipalities, two first nations, two provincial agencies and a forest company.

For more information contact: Operations Manager Patrick Donaghy or Economic Development Manager Pat English, 250-956-3301

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**Q79 Corporate Innovation**

The weaning of the regional arena service from fossil fuel was completed in the first week of January, 2018 which should result in GHG emissions down approximately 95% from 2011. All the projects needed to make this happen have also reduced the service's net cost of energy by approximately \$60,000 per year from what they would have been at the 2011 consumption levels.

For more information contact: Regional Arena Manager Gerry Little, 250-956-3522

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**Q80** For more information on actions described above contact: **Respondent skipped this question**

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**Q81 Mitigation Programs, Partnerships and Funding**

Gas Tax Funding, CELP grant, CWWF grant. Special grants (invasive species)

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**Q82** Adaptation Programs, Partnerships and Funding **Respondent skipped this question**

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Page 13: 2016 CARBON NEUTRAL REPORTING

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

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**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.

87.6

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**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):

38.4

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

126

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Page 14: REPORTING REDUCTIONS AND OFFSETS

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

Included in above results

**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))

Included in above results

**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:

Option 2 Project Name

**7 Mile BioCover Project (-429 Tonnes; total see carry forward & distribution of -313 tonnes remainder to Municipal & First Nations Partners, below)**

Option 2 GHGs Reduced (tCO2e)

**126 used by RDMW (Total project was 429 Tonnes; see carry forward & distribution of 313 tonnes remainder to Municipal & First Nations Partners, below)**

**Q94** Total C: Reductions from all Option 2 Projects for 2017

126 (used by RDMW; remainder carried forward or distributed)

**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)**

126

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

0

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**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).

1. **454 RDMW; Biocover Project 2012-16:403, 2017=51**
  2. **492 RDMW on behalf of 5 First Nations Partners  
Biocover Project 2012-16= 449 , 2017=43**
  5. **2017 Biocover Project Transfers to CAC Signatory  
Municipal Partners : 118.5 to Port Hardy; 67 to Port  
McNeill, 19 to Port Alice and 14 to Alert Bay.**
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**Q100** Balance of reductions eligible for carry over to the next year (tCO<sub>2</sub>e)(total of emissions reductions identified above)

946

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**Q101** Does your local government set aside funds in a climate reserve fund or something similar? **Yes**

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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 4 - Achievement of Carbon Neutrality**

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**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**

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