#109

COMPLETE

Collector: Email Invitation 2 (Email)

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Page 2: LOCAL GOVERNMENT INFORMATION

Q1 Name of Local Government Ladysmith, Town

of

Q2 Name of member Regional District Cowichan Valley

Q3 Regional Growth Strategy (RGS) in your region No

Q4 Population 5,000 - 9,999

Q5 Submitted by:

3.

Name Aria Mac Coll

Position Financial Services Coordinator

Email Address amaccoll@ladysmith.ca

Phone Number 250.245.6414 ext.6210

Page 3: BROAD PLANNING ACTIONS

Q6 2017 Community-Wide Broad Planning Actions

Provided a draft of the Waterfront Area Plan after

community input

2. Participated in multi-stakeholder watershed

management committee

Worked with Stz'uminus First Nation to connect and make operational the waste-water (sewer) connection; continued implementing opportunities for shared infrastructure and services with Stz'uminus First Nation;

second water/sewer agreement and building inspection

agreements.

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	I for 2018
1.	Finish first phase of Waterfront Area Plan
2.	Continue to work with the Stz'uminus First Nation and other neighbouring communities to provide services and shared infrastructure.
Q9 2017 Corporate Broad Planning Actions	
1.	Begin educating corporation regarding Energy Step Code
2.	Continued to use the Town's website to educate the public and developers about the type of development preferred in Ladysmith
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 20)18
1.	Continue to educate corporation regarding Energy Step Code
2.	Continue to use the Town's website to educate the public and developers about the type of development preferred in Ladysmith
Q12 What is(are) your current GHG reduction target(s)?	
Overall reduction based through factoring expansion of services	
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 mplementation of climate mitigation in your community?	Community Energy and Emissions , Plan Integrated Community Sustainability ,
	Plan
	Community-Wide Climate Action , Plan
	Official Community Plan (OCP)
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.	Continued implementation of specific recommendations in Community Sustainability Plan, Community Energy Plan and Community Visioning Plan
2.	Building Energy Efficiency desired outcome through rezoning
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 Pro	posed for 2018
1.	Building Energy Efficiency desired outcome through rezoning
Q19 2017 Corporate Building and Lighting Actions	
1.	Continued to consider energy improvements for all repairs and capital projects
2.	As part of the comprehensive asset management plan, upgraded heating and cooling system plans.
Q20 Additional 2017 Corporate Building and Lighting Actions (Optional - separate each reported action with a "\")	Respondent skipped this question

I.	Continue to consider energy improvements for all repairs and capital projects
2.	As part of the comprehensive asset management plan, upgrade heating and cooling system plans.
Q22 Is your local government aware of the BC Energy Step Code?	Yes
Q23 Is your local government planning on implementing he BC Energy Step Code?	No
Page 5: ENERGY GENERATION ACTIONS	
Q24 2017 Community-Wide Energy Generation Actions	
1.	New single family homes are required to be solar and hot water ready
2.	Provided incentives for energy-rating building
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 Propo	sed for 2018
1.	New single family homes are required to be solar and hot water ready
2.	Provide incentives for energy-rating building
Q27 2017 Corporate Energy Generation Actions	
1.	Implemented a sustainability elements into Waste Water Treatment Plant – solar energy, effluent heat recover for building heating & cooling.
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.	Review options for powering Bio-Solids Composting Site
Q30 Is your local government developing or constructing	A renewable energy system
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 PRO Q35 2017 Community-Wide Greenspace Actions	TECTION ACTIONS
1.	Provided and supported a mandate for the Invasive Species Committee.
2.	Provided support for community gardens.
3.	Continued to work with the school district to utilize common park spaces.
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	2010
	Continue to provide and support a mandate for the Invasive Species Committee.
2.	Provide support for community gardens.
3.	Continue to work with the school district to utilize common park spaces.
239 2017 Corporate Greenspace Actions	
l.	Continued to use Town-owned properties for food production.
2.	Parks, Recreation & Culture Committee regularly reviewed the PRC Master Plan to support the protection and stewardship of wildlife, habitat, and other natural system support functions.
3.	Work with arborists to provide a report on tree maintenance and tree replacement in green spaces.
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 use Town-owned properties for food production.
2.	Parks, Recreation & Culture Committee will continue to review the PRC Master Plan to support the protection and stewardship of wildlife, habitat, and other natural system support functions.
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.	Educated the public on contamination of recycling.
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

46 2017 Corporate Solid Waste Actions	
	Continued to upgrade composting facilities, composting studies, composting training, and staffing of compost facility.
	Support local regional facility
Q47 Additional 2017 Corporate Solid Waste Actions Optional - separate each reported action with a "\")	Respondent skipped this question
248 Corporate Solid Waste - Actions Proposed for 2018	
	Support local regional facility
Q49 Does your local government have construction and lemolition waste reduction policies, plans or programs?	No
Q50 Does your local government have organics eduction/diversion policies, plans or programs?	Yes
Page 8: TRANSPORTATION ACTIONS	
251 2017 Community-Wide Transportation Actions	
Q51 2017 Community-Wide Transportation Actions	Improved sidewalk and pedestrian crosswalks within downtown.
, ,	
	downtown. Incorporated Master Transportation Plan in 5-year
	downtown. Incorporated Master Transportation Plan in 5-year budget. Continued the updating of the Roads in DCC program as

Q53 Community-Wide Transportation- Actions Proposed for 2018	Respondent skipped this question
Q54 2017 Corporate Transportation Actions	
1.	Completed and Implemented Master Transportation Plan.
2.	Continued to consider electric vehicles for future purchases, and continued to fund the two electric charging stations for municipal use.
Q55 Additional 2017 Corporate Transportation Actions (Optional - separate each reported action with a "\")	Respondent skipped this question
Q56 Corporate Transportation - Actions Proposed for 2018	3
1.	Incorporate walking and cycling options into the 4th Avenue reconstruction
Q57 Does your local government have policies, plans or	Walking,
programs to support:	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 Action	IS .
1.	Made second agreement for water and sewer utilities with Stz'minus First Nations. Implemented FN opportunity for shared infrastructure and servicing.
2.	Continued to enforce water restrictions on a regional scale. Continued to target for water conservation of 20% less than Canadian average.

Q61 Additional 2017 Community-Wide Water and Respondent skipped this question Wastewater Actions (Optional - separate each reported action with a "\") Q62 Community-Wide Water and Wastewater - Actions Proposed for 2018 1. Review water and sewer rates to encourage conservation Q63 2017 Corporate Water and Wastewater Actions 1. Completed dam inundation study. 2. Completed design on Water Filtration Plant. 3. Continued to implement Liquid Waste Management Plan. Started construction on Bio-solids composting facility 4. on Thicke Rd. **Q64** Additional 2017 Corporate Water and Wastewater Respondent skipped this question Actions (Optional - separate each reported action with a "\") **Q65** Corporate Water and Wastewater - Actions Proposed for 2018 1. Complete construction on Bio-Solids composting facility 2. **Begin construction on Water Filtration Plant** Q66 Does your local government have water Yes conservation policies, plans or programs?

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

Increased temperatures affecting reducing air quality

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)				
				, Cross-department working groups,	
				Changes to zoning and other bylaws and , regulations Public education and , awareness	
		Other (please			
		specify):			
		Asset Management			
	Q69 Climate Change Adaptation Actions Taken in 2017Please 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.	Respondent skipped this question			
Q70 Climate Change Adaptation - Actions Proposed for 2	018				
1.	Developer specific storm water management plan (Holland Creek Development)				
Q71 For more information please contact:					
Geoff Goodall					
Q72 The following are key resources that may be helpful to your local government in identifying climate impacts,	Indicators of Climate Change for British Columbia, , 2016				
as well as, strategies, actions and funding to deal with them. Are you familiar with any of these adaptation resources?	Plan2Adapt, Climate Projections for Metro , Vancouver				
	Preparing for Climate Change: Implementation , Guide				
	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	Useful
Plan2Adapt	Useful
Climate Projections for Metro Vancouver	Not Useful
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)	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

1.	Continued to adopt highest standard of regional air quality standards
2.	Continued to provide space for local farmers market.
3.	Encouraged the 10% shift for local spending,
4.	Donated food grown in Town gardens to the local food bank.
Q75 2016 Corporate Other Actions	Respondent skipped this question

Q76 Are you familiar with the Community Lifecycle Infrastructure Costing Tool (CLIC)?	No
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.	
411.54 Q85 If your local government measured 2017 corporate G	

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):

3.56

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

415.10 tCO2e

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 control of the	arbon dioxide equivalent (tCO2e))
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 201 106.09 tCO2e	7
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 provide tonnes of carbon dioxide equivalent (tCO2e)) from an offset include funds set aside in a climate action reserve fund.	r, type of project and the number of offsets purchased (in et provider for the 2017 reporting year.Note: Please do not
Offset Provider Name	Cowichan Energy Alternative - Community Carbon Market Place
Offsets (tCO2e)	309.01
Q96 Total D: Offsets purchased for 2017	
309.01 tCo2e	
Q97 TOTAL REDUCTIONS AND OFFSETS FOR 2017 (T	otal B+C+D)
415.10 tCO2e	

Q98 Corporate GHG Emissions balance for 2017 = (A- (B+C+D) = 0 **Q99** If applicable, please record any emissions Respondent skipped this question 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). **Q100** Balance of reductions eligible for carry over to the Respondent skipped this question next year (tCO2e)(total of emissions reductions identified above) Q101 Does your local government set aside funds in a No climate reserve fund or something similar? Page 15: RECOGNITION Q102 Based on your local government's 2017 Climate Level 4 - Achievement of Carbon Action/Carbon Neutral Progress Survey, please check **Neutrality** the GCC Climate Action Recognition Program level that best applies: Q103 Related to Level 3 recognition, if applicable, please Respondent skipped this question identify any new or ongoing corporate or communitywide 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

GHG reductions.

financial resources and is intended to result in significant