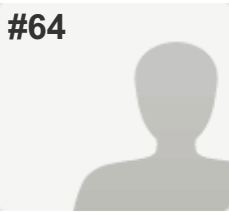


#64



COMPLETE

Collector: Email Invitation 5 (Email)
Started: Friday, May 05, 2017 3:55:04 PM
Last Modified: Tuesday, May 23, 2017 3:50:47 PM
Time Spent: Over a week
Email: eanderson@ladysmith.ca
IP Address: 184.69.120.238

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:	
Name	aria Mac Coll
Position	Financial services coordinator
Email Address	amacoll@ladysmith.ca
Phone Number	250.245.6414 ext 6210

PAGE 3: BROAD PLANNING ACTIONS

Q6: 2016 Community-Wide Broad Planning Actions

1. Work with BC Hydro on funding a review of the Community Energy Plan.
2. Participate in multi stakeholder watershed management committee.
3. Upgrade waterfront area plan.
4. Participate in Climate Change impacts in regional context through CVRD. Continue to participate in webinars, e.g. changes expected due to the Building Act, stretch code and reach code for green buildings.
5. Work with Stz'uminus First Nation to connect and make operational the waste-water (sewer) connection; continue to implement opportunities for shared infrastructure and services with Stz'uminus First Nation; second water/sewer agreement and building inspection agreements.

Q7: Additional 2016 Community-Wide Broad Planning (Optional - separate each reported action with a "\")

Respondent skipped this question

2016 CARIP Climate Action/Carbon Neutral Progress Survey

Q8: Community-Wide Broad Planning - Actions Proposed for 2017

1. Continue work on Waterfront Area Plan
2. Participate in multi stakeholder watershed management committee.
3. Participate in Climate Change impacts in regional context through CVRD. Continue to participate in webinars, e.g. changes expected due to the Building Act, stretch code and reach code for green buildings.
4. Work with Stz'uminus First Nation to connect and make operational the waste-water (sewer) connection; continue to implement opportunities for shared infrastructure and services with Stz'uminus First Nation; second water/sewer agreement and building inspection agreements.

Q9: 2016 Corporate Broad Planning Actions

1. Report to the community on the progress of the Sustainability Action Plan.
2. Have made "Open for Business & Development" a Strategic Priority for 2016. Expand Social Procurement
3. Continue with implementation of specific recommendations in Community Sustainability Plan, Community Energy Plan and Community Visioning
4. 2016 Strategic Priorities – Waterfront Area Plan
5. Canada's Greenest Employers for 2016 (fifth year in a row).

Q10: Additional 2016 Corporate Broad Planning Actions(Optional - separate each reported action with a "\")

Respondent skipped this question

Q11: Corporate Broad Planning - Actions Proposed for 2017

1. 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)?

5% reduction in total community GHG emissions by 2012 from 2007 levels

Q13: Has your local government used the Community Energy and Emissions Inventory (CEEI) to measure progress?

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)

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

Q16: Does your local government set aside funds in a climate reserve fund or something similar? No

PAGE 4: BUILDING AND LIGHTING ACTIONS

Q17: 2016 Community-Wide Building and Lighting Actions

1. Complete Community Energy Plan
2. Complete new WWTP building which has several energy savings components.
3. Promote energy efficiency incentive programs
4. Fund the low flush toilet rebate in residential homes
5. Review impact of Building Act. Monitor effectiveness of the new DPA guidelines.

Q18: Additional Community-Wide Building and Lighting Actions (Optional - separate each reported action with a "\") *Respondent skipped this question*

Q19: Community-Wide Building and Lighting - Actions Proposed for 2017

1. Continue with implementation of specific recommendations in Community Sustainability Plan, Community Energy Plan and Community Visioning
2. Building Energy Efficiency desired outcome through rezoning

Q20: 2016 Corporate Building and Lighting Actions

1. complete Phase1 and expand to Phase 2 of facility assessments, including energy assessments.
2. Continue to consider energy improvements for all repairs and capital projects.
3. As part of comprehensive asset management plan, upgrade heating and cooling system plans.
5. Continue to participate in the regional training programs.

Q21: Additional 2016 Corporate Building and Lighting Actions (Optional - separate each reported action with a "\")

A transition to renewable or low-emission energy sources for heating, cooling and power supports large, long-term GHG emissions reductions. Renewable energy including waste heat recovery (e.g. from biogas and biomass), geo-exchange, micro hydroelectric, solar thermal and solar photovoltaic, heat pumps, tidal, wave, and wind energy can be implemented at different scales, e.g. in individual homes, or integrated across neighbourhoods through district energy or co-generation systems.

Q22: Corporate Building and Lighting - Actions Proposed for 2017

- | | |
|----|---|
| 1. | Continue to consider energy improvements for all repairs and capital projects. |
| 2. | As part of comprehensive asset management plan, upgrade heating and cooling system plans. |
-

PAGE 5: ENERGY GENERATION ACTIONS

Q23: 2016 Community-Wide Energy Generation Actions

- | | |
|----|--|
| 1. | New single family homes required to be solar hot water ready. |
| 2. | Continue to provide information to homeowners through website and at building department regarding energy options. |
| 3. | Monitor the impact of the new Building Act. |
-

Q24: Additional 2016 Community-Wide Energy Generation Actions (Optional - separate each reported action with a "\")

Respondent skipped this question

Q25: Community-Wide Energy Generation - Actions Proposed for 2017

- | | |
|----|---|
| 1. | New single family homes required to be solar hot water ready. |
| 2. | Provide incentives for energy-rating building |
-

Q26: 2016 Corporate Energy Generation Actions

- | | |
|----|--|
| 1. | Complete WWTP which has low energy fixtures, PV panels and reclaimed water system. |
|----|--|
-

Q27: Additional 2016 Corporate Energy Generation Actions (Optional - separate each reported action with a "\")

Respondent skipped this question

Q28: Corporate Energy Generation - Actions Proposed for 2017

Respondent skipped this question

Q29: Is your local government developing or constructing...

A renewable energy system

Q30: Is your local government operating...

None of the above

Q31: Is your local government connected to a district energy system that is operated by another energy provider?

No

Q32: Are you aware of the Integrated Resource Recovery guidance page on the BC Climate Action Toolkit?

Yes

PAGE 6: GREENSPACE/NATURAL RESOURCE PROTECTION ACTIONS

2016 CARIP Climate Action/Carbon Neutral Progress Survey

Q33: 2016 Community-Wide Greenspace Actions

1. New and updated Holland Creek Local Area Plan proposed that includes new environmental policies and updated riparian information.
2. Continue supporting the Watershed Roundtable.
3. Encourage Broom Busters to educate residents regarding Scotch Broom. Develop a invasive species committee to promote the removal of invasive species in the community.

Q34: Additional 2016 Community-Wide Greenspace Actions (Optional - separate each reported action with a "\")

Respondent skipped this question

Q35: Community-Wide Greenspace - Actions Proposed for 2017

1. Continue to provide and support a mandate for the Invasive Species Committee
2. Continue supporting the Watershed Roundtable.
3. Continue to work with the school district to utilize common park space.
4. Provide support for community gardens

Q36: 2016 Corporate Greenspace Actions

1. Continue to use Town-owned properties for food production; donate locally grown food to local food bank. Considering new regulations to permit two honey bee hives at the community garden.
2. The new Parks, Recreation and Culture Master Plan includes guidelines for various types of parks including open space parks. Open space parks are established for the protection and stewardship of wildlife, habitat and other natural system support functions

Q37: Additional 2016 Corporate Greenspace Actions (Optional - separate each reported action with a "\")

Respondent skipped this question

Q38: Corporate Greenspace - Actions Proposed for 2017

1. Continue to use Town-owned properties for food production
2. Parks, Recreation & Culture Committee to regularly review the PRC Master Plan to support of the protection and stewardship of wildlife, habitat and other natural system support functions.
3. Work with arborist to provide a report on tree maintenance and tree replacement in green spaces

Q39: Does your local government have urban forest policies, plans or programs?

No

PAGE 7: SOLID WASTE ACTIONS

Q40: 2016 Community-Wide Solid Waste Actions

- | | |
|----|--|
| 1. | Support regional facility |
| 2. | Continue to lead in efforts of recycling and organic pick up |
| 3. | More education of community on MMBC requirements including mailing inserts in utility billing. |

Q41: Additional 2016 Community-Wide Solid Waste Actions (Optional - separate each reported action with a "\")

Respondent skipped this question

Q42: Community-Wide Solid Waste - Actions Proposed for 2017

- | | |
|----|---|
| 1. | Educating the public on contamination of recycling. |
|----|---|

Q43: 2016 Corporate Solid Waste Actions

- | | |
|----|---|
| 1. | Continued upgrade of composting facilities, composting studies, composting Training, Staffing of compost facility |
| 2. | Support regional facility |

Q44: Additional 2016 Corporate Solid Waste Actions (Optional - separate each reported action with a "\")

Respondent skipped this question

Q45: Corporate Solid Waste - Actions Proposed for 2017

- | | |
|----|--|
| 1. | ontinued upgrade of composting facilities, composting studies, composting Training, Staffing of compost facility |
| 2. | Support regional facility which facility shorter driving to regional facility |
| 3. | Continue to lead in efforts of recycling and organic pick up |

Q46: Does your local government have construction and demolition waste reduction policies, plans or programs?

No

Q47: Does your local government have organics reduction/diversion policies, plans or programs?

Yes

PAGE 8: TRANSPORTATION ACTIONS

Q48: 2016 Community-Wide Transportation Actions

- | | |
|----|---|
| 1. | Sidewalk improvements in key locations to link existing pedestrian infrastructure. Partnering with ICBC to install new sidewalks. |
| 2. | Include Master Transportation Plan In five year Financial Plan |
| 3. | Continue to provide information to private sector partners about electric charge stations. |
| 4. | Host Public works week to engage students and families in understanding aspects of public works, including transportation. |
| 5. | Updating the Roads DCC program as part of an overall DCC program update. |

Q49: Additional 2016 Community-Wide Transportation Actions (Optional - separate each reported action with a "\")

Respondent skipped this question

Q50: Community-Wide Transportation- Actions Proposed for 2017

- | | |
|----|---|
| 1. | improve other sidewalk and pedestrian cross walks within downtown. |
| 2. | Incorporate Master Transportation Plan in 5-year budget |
| 3. | Continue the updating of the Roads DCC program as part of an overall DCC program update. |
| 4. | Continue to provide information to private sector partners about electric charge stations. |
| 5. | Host Public works week to engage students and families in understanding aspects of public works, including transportation |

Q51: 2016 Corporate Transportation Actions

- | | |
|----|--|
| 1. | 4th Avenue improvements include a new bike lane. |
| 2. | Complete and Implement Master Transportation Plan. |
| 3. | Continue to consider electric vehicles for future purchases and continue to fund the two electric charging stations for municipal use. |

Q52: Additional 2016 Corporate Transportation Actions (Optional - separate each reported action with a "\")

Respondent skipped this question

Q53: Corporate Transportation - Actions Proposed for 2017

- | | |
|----|--|
| 1. | Incorporate bike lanes into the future improvements of 4th Ave |
| 2. | Complete and Implement Master Transportation Plan |
| 3. | Continue to consider electric vehicles for future purchases and continue to fund the two electric charging stations for municipal use. |

2016 CARIP Climate Action/Carbon Neutral Progress Survey

Q54: Does your local government have policies, plans or programs to support: Walking, Cycling, Transit, Electric Vehicles

Q55: 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

Q56: Does your local government have policies, plans or programs to support local food production? (Thus reducing transportation emissions) Yes

PAGE 9: WATER AND WASTEWATER

Q57: 2016 Community-Wide Water and Wastewater Actions

- | | |
|----|--|
| 1. | Conclude construction of new WWTP |
| 2. | Second agreement for water and sewer utilities with Stz'minus First Nations. Further implement FN opportunities for shared infrastructure and servicing. |
| 3. | Continue to target for water conservation to 20% less than Canadian average; watering restrictions and enforcement; |
| 4. | Continue to offer low flush toilet rebates. |

Q58: Additional 2016 Community-Wide Water and Wastewater Actions (Optional - separate each reported action with a "\") *Respondent skipped this question*

Q59: Community-Wide Water and Wastewater - Actions Proposed for 2017

- | | |
|----|--|
| 1. | Second agreement for water and sewer utilities with Stz'minus First Nations. Further implement FN opportunities for shared infrastructure and servicing. |
| 2. | Continue to enforce water restrictions on a regional scale. Continue to target for water conservation to 20% less than Canadian average |

Q60: 2016 Corporate Water and Wastewater Actions

- | | |
|----|---|
| 1. | Conclude construction of Waste Water Treatment Plant. Additional instrumentation of our water supplies. |
| 2. | Continue to implement Liquid Waste Management Plan. |
| 3. | Enhance composting facility at Public Works Yard. |
| 4. | Fund the dam inundation study. |
| 5. | Begin design on Water Filtration Plant. |

2016 CARIP Climate Action/Carbon Neutral Progress Survey

Q61: Additional 2016 Corporate Water and Wastewater Actions (Optional - separate each reported action with a "\")

Respondent skipped this question

Q62: Corporate Water and Wastewater - Actions Proposed for 2017

- | | |
|----|--|
| 1. | Complete dam inundation study. |
| 2. | Complete design on Water Filtration Plant |
| 3. | Continue to implement Liquid Waste Management Plan. |
| 4. | Begin construction on Bio-solids composting facility on Thicke Road. |

Q63: Does your local government have water conservation policies, plans or programs?

Yes

PAGE 10: CLIMATE CHANGE ADAPTATION ACTIONS

Q64: 2016 Climate Change Adaptation Actions

- | | |
|----|---|
| 1. | Propose to be adding FireSmart policies to the new and updated Holland Creek Local Area Plan. |
|----|---|

Q65: Additional 2016 Climate Change Adaptation Actions (Optional - separate each reported action with a "\")

Respondent skipped this question

Q66: Climate Change Adaptation - Actions Proposed for 2017

Respondent skipped this question

Q67: Resources you have used to support climate change adaptation (e.g. Plan2Adapt, Preparing for Climate Change: Implementation Guide)

Respondent skipped this question

Q68: In 2016 did you consider climate change impacts in any of the following areas?

Asset management,
Infrastructure upgrades (e.g. stormwater systems upgrades)
,
Cross-department working groups,
Emergency response planning,
Public Education and awareness

PAGE 11: OTHER CLIMATE ACTIONS

2016 CARIP Climate Action/Carbon Neutral Progress Survey

Q69: 2016 Community-Wide Other Actions

1. Continue to adopt highest standard of regional air quality standards
2. Continue to provide space for local farmers market.
3. Encourage the 10% shift for local spending,
4. Donate food grown in Town gardens to the local food bank.

Q70: 2016 Corporate Other Actions

1. Top 100 Greenest Employers in Canada (2016)
2. Continue to support the Watershed Roundtable.

Q71: Are you familiar with the Community Lifecycle Infrastructure Costing Tool (CLIC)?

No

Q72: Have you used the CLIC?

No

PAGE 12: INNOVATION AND PEER LEARNING

Q73: Community - Wide Innovation

Respondent skipped this question

Q74: Corporate Innovation

Incorporated energy saving and generating equipment into the construction of the waste water treatment plant.

Q75: Programs, Partnerships and Funding

Respondent skipped this question

PAGE 13: 2016 CARBON NEUTRAL REPORTING

Q76: Did you measure your local government's corporate GHG emissions in 2016?

Yes

Q77: If your local government measured 2016 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):

346.06

Q78: If your local government measured 2016 corporate GHG emissions, please report the number of corporate GHG emissions from contracted services (in tonnes of carbon dioxide equivalent):

3.51

Q79: Total A: Corporate GHG emissions for 2016 (Direct GHGs + Contracted GHGs)

349.57

PAGE 14: REPORTING REDUCTIONS AND OFFSETS

2016 CARIP Climate Action/Carbon Neutral Progress Survey

Q80: Energy Efficient Retrofits(in tonnes of carbon dioxide equivalent (tCO2e))	<i>Respondent skipped this question</i>
Q81: Solar Thermal(in tonnes of carbon dioxide equivalent (tCO2e))	<i>Respondent skipped this question</i>
Q82: Household Organic Waste Composting(in tonnes of carbon dioxide equivalent (tCO2e))	
111.05	
Q83: Low Emission Vehicles(in tonnes of carbon dioxide equivalent (tCO2e))	<i>Respondent skipped this question</i>
Q84: Avoided Forest Conversion(in tonnes of carbon dioxide equivalent (tCO2e))	<i>Respondent skipped this question</i>
Q85: Total B: Reductions from all Option 1 Projects for 2016	111.05
Q86: If applicable, please report the names and 2016 GHG emissions reductions being claimed from Option 2 GHG Reduction Projects:	<i>Respondent skipped this question</i>
Q87: Total C: Reductions from all Option 2 Projects for 2016	<i>Respondent skipped this question</i>
Q88: If applicable, please report the name of offset provider and the number of offsets purchased for the 2016 reporting year.Note: Please do not include funds set aside in a climate action reserve fund.	
Offset Provider Name	Cowichan Energy Alternative - Community Carbon Market Place
Offsets (tCO2e)	235
Q89: Total D: Offsets purchased for 2016	235
Q90: TOTAL REDUCTIONS AND OFFSETS FOR 2016 (Total B+C+D)	357.8
Q91: Corporate GHG Emissions balance for 2016 = (A-(B+C+D) =	0.00

PAGE 15: RECOGNITION

Q92: Based on your local government's 2016 Climate Action/Carbon Neutral Progress Survey, please check the GCC Climate Action Recognition Program level that best applies:	Level 4 - Achievement of Carbon Neutrality
Q93: 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.	<i>Respondent skipped this question</i>