

#137

**COMPLETE**

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## Page 2: LOCAL GOVERNMENT INFORMATION

**Q1** Name of Local Government **Ladysmith, Town of**

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**Q2** Name of member Regional District **Cowichan Valley**

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

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**Q4** Population **5,000 - 9,999**

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**Q5** Submitted by

**Name** **Aria Maccoll**  
**Position** **Financial Services Coordinator**  
**Email Address** **amaccoll@ladysmith.ca**  
**Phone Number** **250.245.6414 ext 6210**

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## Page 3: BROAD PLANNING ACTIONS

**Q6** Community-Wide Broad Planning Actions Taken in 2018

1. **Finished the first phase of Waterfront Area Plan**
  2. **Continued working with the Stz'uminus First Nation and other neighbouring communities to provide services and shared infrastructure.**
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**Q7** Additional Community-Wide Broad Planning Actions Taken in 2018 (Optional - separate each reported action with a "\") **Respondent skipped this question**

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2018 CARIP Climate Action/Carbon Neutral Progress Survey

**Q8** Community-Wide Broad Planning Actions Proposed for 2019

1. **Continue with the implementation of the Waterfront Area Plan**
  2. **Continued working with the Stz'uminus First Nation and other neighbouring communities to provide services and shared infrastructure.**
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**Q9** Corporate Broad Planning Actions Taken in 2018

1. **Continued to educate corporations 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**
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**Q10** Additional Corporate Broad Planning Actions Taken in 2018(Optional - separate each reported action with a "\")

Respondent skipped this question

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**Q11** Corporate Broad Planning Actions Proposed for 2019

1. **Continued to educate corporations 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**
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**Q12** What is (are) your current GHG reduction target(s)?

Overall reduction based through factoring expansion of services

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**Q13** Are you familiar with your local government'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?

**Community Energy and Emissions Plan** ,  
**Integrated Community Sustainability Plan** ,  
**Community-Wide Climate Action Plan** ,  
**Official Community Plan**

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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** Community-Wide Building and Lighting Actions Taken in 2018

1. **Building Energy Efficiency desired outcome through rezoning**

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**Q17** Additional Community-Wide Building and Lighting Actions Taken in 2018(Optional - separate each reported action with a "\") **Respondent skipped this question**

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**Q18** Community-Wide Building and Lighting Actions Proposed for 2019

1. **Continue to promote building energy efficiency through rezoning**

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**Q19** Corporate Building and Lighting Actions Taken in 2018

1. **Continued to consider energy improvements for all repairs and capital projects as part of the comprehensive asset management plan, and upgraded heating and cooling system plans.**

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**Q20** Additional Corporate Building and Lighting Actions Taken in 2018 (Optional - separate each reported action with a "\") **Respondent skipped this question**

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**Q21 Corporate Building and Lighting Actions Proposed for 2019**

1. **Continued to consider energy improvements for all repairs and capital projects as part of the comprehensive asset management plan, and upgraded heating and cooling system plans.**

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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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Page 5: ENERGY GENERATION ACTIONS

**Q24 Community-Wide Energy Generation Actions Taken in 2018**

1. **Implement building energy testing/efficiency when secured as an amenity contribution**

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**Q25** Additional Community-Wide Energy Generation Actions Taken in 2018(Optional - separate each reported action with a "\") **Respondent skipped this question**

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**Q26** Community-Wide Energy Generation Actions Proposed for 2019 **Respondent skipped this question**

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**Q27 Corporate Energy Generation Actions Taken in 2018**

1. **Reviewed options for powering the Bio-Solids Composting Site**

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**Q28** Additional Corporate Energy Generation Actions Taken in 2018 (Optional - separate each reported action with a "\") **Respondent skipped this question**

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**Q29 Corporate Energy Generation Actions Proposed for 2019**

1. **none**

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**Q30** Is your local government developing or constructing a **none of the above**

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**Q31** Is your local government operating a **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 familiar with the 2018 List of Funding Opportunities for Clean Energy Projects Led by First Nations and Local Governments? **No**

Page 6: GREENSPACE/NATURAL RESOURCE PROTECTION ACTIONS

**Q34** Community-Wide Greenspace Actions Taken in 2018

- |    |   |
|----|---|
| 1. | <b>Continued to provide and support a mandate for the Invasive Species Committee.</b>           |
| 2. | <b>Provided support for the community gardens.</b>  |
| 3. | <b>Continued to work with the school district to utilize common park spaces.</b>                |
| 4. | <b>Created natural space children's park adjacent to Aggie Hall</b>                             |
| 5. | <b>Acquired parkland through subdivision and Protected riparian areas by development permit</b> |

**Q35** Does your local government have policies, plans or programs to support local food production? **Yes**

**Q36** Additional Community-Wide Greenspace Actions Taken in 2018 (Optional - separate each reported action with a "\") **Respondent skipped this question**

**Q37** Community-Wide Greenspace Actions Proposed for 2019

- |    |   |
|----|---|
| 1. | <b>Continued to provide and support a mandate for the Invasive Species Committee.</b>   |
| 2. | <b>Provided support for the community gardens.</b>                                      |
| 3. | <b>Continued to work with the school district to utilize common park spaces.</b>        |
| 4. | <b>Acquire additional land for an extended greenway within the Ladysmith waterfront</b> |
| 5. | <b>Continue to acquire parkland and protect riparian areas.</b>                         |

**Q38** Corporate Greenspace Actions Taken in 2018

1. **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.**

**Q39** Additional Corporate Greenspace Actions Taken in 2018 (Optional - separate each reported action with a "\")

**Respondent skipped this question**

**Q40** Corporate Greenspace Actions Proposed for 2019

1. **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.**

**Q41** Does your local government have urban forest policies, plans or programs?

**No**

Page 7: SOLID WASTE ACTIONS

**Q42** Community-Wide Solid Waste Actions Taken in 2018

1. **Educated the public on contamination of recycling.**
2. **Performed an audit of contamination levels in recycling stream to reduce the amount of recycling going to land fill.**

**Q43** Additional Community-Wide Solid Waste Actions Taken in 2018(Optional - separate each reported action with a "\")

**Respondent skipped this question**

**Q44** Community-Wide Solid Waste Actions Proposed for 2019

1. **Contamination awareness campaign on garbage, recycling and kitchen waste.**

**Q45** Corporate Solid Waste Actions Taken in 2018

1. **Supported the local regional facility**

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**Q46** Additional Corporate Solid Waste Actions Taken in 2018 (Optional - separate each reported action with a "\") **Respondent skipped this question**

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**Q47** Corporate Solid Waste Actions Proposed for 2019

1. **Supported the local regional facility**

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**Q48** Does your local government have construction and demolition waste reduction policies, plans or programs? **No**

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**Q49** Does your local government have organics reduction/diversion policies, plans or programs? **Yes**

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Page 8: TRANSPORTATION ACTIONS

**Q50** Community-Wide Transportation Actions Taken in 2018

- 1. **Incorporated walking and cycling options into the 4th Avenue reconstruction**
  - 2. **Conducted a walk-ability study for seniors to encourage pedestrian/scooter use**
  - 3. **Continue to provide free electric car parking and charging in our downtown core to encourage EV**
  - 4. **Member of Regional Transit service**
  - 5. **Ensure pedestrian links and walking loops in subdivision design**
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**Q51** Additional Community-Wide Transportation Actions Taken in 2018 (Optional - separate each reported action with a "\") **Respondent skipped this question**

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**Q52** Community-Wide Transportation Actions Proposed for 2019

- 1. **Incorporated walking and cycling options into the 4th Avenue reconstruction**
  - 2. **Continue to provide free electric car parking and charging in our downtown core to encourage EV**
  - 3. **Ensure pedestrian links and walking loops in subdivision design**
-

2018 CARIP Climate Action/Carbon Neutral Progress Survey

**Q53** Corporate Transportation Actions Taken in 2018 **Respondent skipped this question**

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**Q54** Additional Corporate Transportation Actions Taken in 2018 (Optional - separate each reported action with a "\") **Respondent skipped this question**

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**Q55** Corporate Transportation - Actions Proposed for 2019 **Respondent skipped this question**

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**Q56** Does your local government have policies, plans or programs to support: **Walking,**  
**Cycling,**  
**Transit Use,**  
**Electric Vehicle Use**

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**Q57** 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**

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**Q58** Does your local government integrate its transportation and land use planning? **Yes**

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Page 9: WATER AND WASTEWATER ACTIONS

**Q59** Community-Wide Water and Wastewater Actions Taken in 2018

1. **Reviewed water and sewer rates to encourage conservation**
  2. **Provide low flush toilet rebates for qualified toilet replacements**
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**Q60** Additional Community-Wide Water and Wastewater Actions Taken in 2018(Optional - separate each reported action with a "\") **Respondent skipped this question**

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**Q61** Community-Wide Water and Wastewater Actions Proposed for 2019

1. **Continue to review rate options to encourage conservation**
  2. **Continue to provide low flush toilet rebates for qualified toilet replacements**
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2018 CARIP Climate Action/Carbon Neutral Progress Survey

**Q62** Corporate Water and Wastewater Actions Taken in 2018

Respondent skipped this question

**Q63** Additional Corporate Water and Wastewater Actions Taken in 2018 (Optional - separate each reported action with a "\")

Respondent skipped this question

**Q64** Corporate Water and Wastewater Actions Proposed for 2019

1.

**Purchase of water monitoring software for Town parks to program efficiencies in watering**

**Q65** Does your local government have water conservation policies, plans or programs?

Yes

Page 10: CLIMATE CHANGE ADAPTATION ACTIONS

**Q66** Please identify the THREE climate impacts that are most relevant to your Local Government

**Warmer winter temperatures reducing snowpack**,  
**Changes to temperature and precipitation causing seasonal drought**,  
**Increased temperatures increasing wildfire activity**

**Q67** In 2018 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**,  
**Asset Management**

## 2018 CARIP Climate Action/Carbon Neutral Progress Survey

**Q68** Climate Change Adaptation Actions Taken in 2018 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. **Developer specific storm water management plan (Holland Creek Development)**
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**Q69** Climate Change Adaptation Actions Proposed for 2019

1. **Developer specific storm water management plan (Holland Creek Development, Phase 2)**
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**Q70** For more information please contact

Geoff Goodall

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**Q71** 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	<b>Useful</b>
Plan2Adapt	<b>Useful</b>
Climate Projections for Metro Vancouver	<b>Not Useful</b>
Climate Projections for the Capital Region	<b>Haven't Used</b>
Climate Projections for the Cowichan Valley Regional District	<b>Useful</b>
Provinces of BC's BC Adapts Video Series	<b>Haven't Used</b>
Preparing for Climate Change: Implementation Guide for Local Governments	<b>Useful</b>
Public Infrastructure Engineering Vulnerability Committee (PIEVC)	<b>Haven't Used</b>
Sea Level Rise Adaptation Primer	<b>Useful</b>
BC Regional Adaptation Collaborative Webinars	<b>Haven't Used</b>
Retooling for Climate Change	<b>Haven't Used</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>Haven't Used</b>
Municipalities for Climate Innovation Program (MCIP)	<b>Haven't Used</b>
Climate Adaptation Partner Grants (FCM)	<b>Haven't Used</b>
Infrastructure Planning Grants (MAH)	<b>Useful</b>
Federal Gas Tax Fund	<b>Useful</b>

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Page 11: OTHER CLIMATE ACTIONS

**Q72** Community-Wide Other Actions Taken in 2018

- |    |   |
|----|---|
| 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.                  |
| 5. | Use of social media to educate residents about water usage and conservation |
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**Q73** Corporate Other Actions Taken in 2018

- |    |   |
|----|---|
| 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.                  |
| 5. | Use of social media to educate residents about water usage and conservation |
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**Q74** Are you familiar with the Community Lifecycle Infrastructure Costing Tool (CLIC)? **Yes**

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**Q75** Is your local government using the CLIC tool? **No**

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Page 12: INNOVATION AND PEER LEARNING

**Q76** Community-Wide Innovation Action **Respondent skipped this question**

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**Q77** Corporate Innovation Action **Respondent skipped this question**

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**Q78** For more information on actions described above contact **Respondent skipped this question**

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**Q79** Mitigation Programs, Partnerships and Funding **Respondent skipped this question**

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**Q80** Adaptation Programs, Partnerships and Funding

Respondent skipped this question

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Page 13: CARBON NEUTRAL REPORTING

**Q81** Did your local government measure corporate GHG emissions for 2018? **Yes**

**Q82** If your local government measured 2018 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)

403.38

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**Q83** If your local government measured 2018 corporate GHG emissions, please report the number of corporate GHG emissions from contracted services (in tonnes of carbon dioxide equivalent)

3.62

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**Q84** Total A: Corporate GHG emissions for 2018 (Direct GHGs + Contracted GHGs)

407

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Page 14: REPORTING REDUCTIONS AND OFFSETS

**Q85** Energy Efficient Retrofits(in tonnes of carbon dioxide equivalent (tCO2e))

Respondent skipped this question

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**Q86** Solar Thermal(in tonnes of carbon dioxide equivalent (tCO2e))

Respondent skipped this question

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**Q87** Household Organic Waste Composting(in tonnes of carbon dioxide equivalent (tCO2e))

137.57

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**Q88** Low Emission Vehicles(in tonnes of carbon dioxide equivalent (tCO2e))

Respondent skipped this question

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**Q89** Avoided Forest Conversion(in tonnes of carbon dioxide equivalent (tCO2e))

Respondent skipped this question

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**Q90** Total B: Reductions from all Option 1 Projects for 2018

137.57

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2018 CARIP Climate Action/Carbon Neutral Progress Survey

**Q91** If applicable, please report the names and 2018 GHG emissions reductions (in tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e)) being claimed from Option 2 GHG Reduction Projects

Respondent skipped this question

**Q92** Total C: Reductions from all Option 2 Projects for 2018

Respondent skipped this question

**Q93** If applicable, please report the name of offset provider, type of project and number of offsets purchased (in tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e)) from an offset provider for the 2018 reporting year. Note: Please do not include funds that may be set aside in a climate action reserve fund.

Offset Provider Name

**Cowichan Energy Alternative - Community Carbon Marketplace**

Offsets (tCO<sub>2</sub>e)

**270**

**Q94** Total D: Offsets purchased for 2018

270

**Q95** TOTAL REDUCTIONS AND OFFSETS FOR 2018 (Total B+C+D)= tCO<sub>2</sub>e

407

**Q96** Corporate GHG Emissions balance for 2018 = (A- (B+C+D)) = tCO<sub>2</sub>e

0

**Q97** If your local government was carbon neutral in 2018, 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, 2018 100 tCO<sub>2</sub>e)

Respondent skipped this question

**Q98** Balance of reductions eligible for carry over to the next year (tCO<sub>2</sub>e)(total of emissions reductions identified above)

0

**Q99** Does your local government set aside funds in a climate reserve fund or something similar?

**No**

**Q100** Based on your local government's 2018 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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**Q101** 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 (e.g. project name)

**Respondent skipped this question**

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