

# #108

**COMPLETE**

**Collector:** Email Invitation 1 (Email)  
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**Email:** kfranson@gochetwynd.com  
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## Page 2: LOCAL GOVERNMENT INFORMATION

**Q1 Name of Local Government** **Chetwynd, District**

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**Q2 Name of member Regional District** **Peace River**

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

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**Q4 Population** **0 - 4,999**

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### Q5 Submitted by

**Name** **Linda Kearns**  
**Position** **Financial Services Supervisor**  
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**Phone Number** **250-401-4107**

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## Page 3: BROAD PLANNING ACTIONS

2018 CARIP Climate Action/Carbon Neutral Progress Survey

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

1. **Flood mitigation and prevention**
2. **Partner in the Northeast Climate Action Risk Network hosted by Fraser Basin Council; working on a climate change vulnerability analysis for Chetwynd; working on recommendations in Flood Hazard Study with Funds from the Provincial Emergency Management Program grants funds to tender out debris and gravel traps to prevent flooding in creeks**
3. **Continuation of tree replacement program; 2018 was year 3 of a 4 year program. Removed diseased or dying poplar trees and replaced them with 45 healthy new trees**
4. **Little Prairie Community Forest Audit; the community forest contains many maintained hiking and cross-country skiing trails.**
5. **The District continues to remove danger trees and keep the trails open for healthy outdoor activities by the community and for visitors.**

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

Respondent skipped this question

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**Q9 Corporate Broad Planning Actions Taken in 2018**

1. **Installed a Water standpipe in Carvers Row to allow water to be obtained from a more central location for hand-watering the District-owned landscaping, instead of parks employees having to drive to the water fill station multiple times a day.**
2. **New Water Treatment Plant - construction completed in 2018 to become more efficient, and to provide 30% more capacity to the community; new technology allows for more remote monitoring and pinpointing issues instead of having to drive to check on things physically.**
3. **Rehabilitated the District's previously used 10-acre Wood Waste Landfill, removed contaminants, corrected erosion by a pond, and turned it into a greenspace**
4. **Implemented a District-wide curbside recycling pickup program which added a 12% increase to recycling totals for 2018**
5. **The following outdoor greenspaces were upgraded to encourage the community to focus on health, fitness and outdoor activity with the goal of reducing driving and encouraging biking, walking, playing and hiking instead**

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**Q10 Additional Corporate Broad Planning Actions Taken in 2018(Optional - separate each reported action with a "\")**

- Spirit Park - Play equipment was installed and outdoor multipurpose rink was constructed for skating in winter and basketball, pickle ball and ball hockey in other seasons\Kin Park - New play equipment was installed\Ball fields - New suspension bridge was installed\Don Titus Fit Park- outdoor fitness equipment was installed\Ongoing maintenance of 174km of trail system\Community gardens - promoted free use of community gardens and facilitated gardeners by maintenance and expansion of garden plots. Having a local source of food reduces the amount of GHG's involved in driving to the grocery store or buying food that was transported from other areas.\Constructed a new wheel chair-accessible trail between Seniors Facility and hospital to encourage more walking, biking and wheel chair access instead of driving.\Removed boulevard border flower beds downtown and will replace in 2019 with hanging flower baskets equipped with drip-feed water system to reduce vehicle trips by employees who had been driving to the water fill station and back many times a day to hand water wide spread landscaping throughout our community.

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

**Respondent skipped this question**

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

1% every year - Our Corporate & Community Energy Plan - The District of Chewynd will commit to reducing corporate greenhouse gas emissions by 1% from 2008 level by 2010, and a further reduction from 2008 per year until 2020.

**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 , 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. **Arena-old inefficient arena ice surface lights replaced with LED's Approximately 40% energy savings**
  2. **Pool-old inefficient lights above pool replaced with LED's. Approximately 40% energy savings**
  3. **Curling arena-old style unite space heater replaced with new efficient gas unit**
  4. **Arena crawl space dirt floor encapsulated with vapor barrier**
  5. **Arena-new efficient dishwasher replaced with the same as previous one**
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**Q17** Additional Community-Wide Building and Lighting Actions Taken in 2018(Optional - separate each reported action with a "\")

Arena-new gas range installed to replace the original one

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

1. **Pool-removal of the gas chlorine system to a calcium hypochlorite system**
2. **Pool-retile of the pool shower stalls to protect the integrity of the structure**
3. **Arena- replacement of the 2003 ice resurfacers**
4. **Arena-replacement of the old score clock to an LED score clock**
5. **Arena- improve the arena refrigeration plant room exhaust venting**

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

Respondent skipped this question

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

Respondent skipped this question

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

Respondent skipped this question

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

1. **Installed two electric outlets for electric cars - located at our Visitor Center/Fire Hall/Ambulance Building**

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

Respondent skipped this question

**Q26** Community-Wide Energy Generation Actions Proposed for 2019

Respondent skipped this question

2018 CARIP Climate Action/Carbon Neutral Progress Survey

**Q27** Corporate Energy Generation Actions Taken in 2018 Respondent skipped this question

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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 Respondent skipped this question

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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

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**Q32** Is your local government connected to a district energy system that is operated by another energy provider? No

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**Q33** Are you familiar with the 2018 List of Funding Opportunities for Clean Energy Projects Led by First Nations and Local Governments? Yes

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Page 6: GREENSPACE/NATURAL RESOURCE PROTECTION ACTIONS

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

1. Continuation of The Tree Replacement Program; 2018 was year 3 of a 4 year program.
  2. Removed diseased or dying poplar trees and replaced them with 45 healthy new trees
  3. Little Prairie Community Forest Audit; the community forest contains many maintained hiking and cross-country skiing trails. The District removed danger trees and kept the trails open for healthy outdoor activities for the community and for visitors
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**Q35** Does your local government have policies, plans or programs to support local food production? Yes

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

Respondent skipped this question

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

1. **Year 4 of the 4 year program of disposing and replacing with 50 new trees on boulevard**
2. **Will plant edible gardens downtown along with flowers for beautification and food security of community**
3. **Will expand community gardens - The District owns a 17 acre parcel for community gards, and only about 5 acres are currently in use for gardening**
4. **Are seeking enviromental ways to keep the grass down around the gardents, including a herd of sheep and a shepherd to graze down the grass.**
5. **Noxious and invasive weeds are an issue that threaten nearby farms, so we are hiring a contractor to pull out the weeds by hand so as not to spray pesticides or herbicides near the gardens. Our Public Works department will seed a 10 acre parcel previously used as a wood waste dump with native grasses and trees for a greenspace**

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**Q38** Corporate Greenspace Actions Taken in 2018

1. **The District mowed the grass down around the community gardens last year; we are seeking a more environmental way to keep the grass down (eg. a herb of sheep) in 2019**
2. **in 2018 the District planted about 45 trees; in 2019 the District inteds to plant 50 more trees**
3. **In 2018 the District maintained about 174 kims of trails; the District will continue to maintain these in 2019**
4. **In 2018 The District removed several tons of wood waste from the parcel previously used as a wood waste dump, and mitigated erosion near the pond and edges of the 10 acre parcel; in 2019 the District will seed the 10 acre parcel and continue to mitigate erosion near the edges and the pond as necessary.**

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**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. The District is seeking a more environmental way to keep the gass and noxious/invasive weeds down (eg. herd of sheep) around the 17 acre parcel used for community gardens in 2019
2. in 2019 the District intends to plant 50 trees
3. The District will continue to maintain 174 kms of trails in 2019 ensuring that they are not eroding into the Windrem or Widmark Creeks, and that fire load along the trails is managed and maintained
4. The District inteds to continue to reduce GHG's by irrigating more gardens and flower beds via underground irrigation or drip lines instead of hand-watering and driving back and forth to the water fill station to refill truck tanks with water
5. In 2019 The District will seed the 10-acre parcel previously used a wood waste dump and continue to mitigate erosion near the edges and pond as necessary

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

Yes

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Page 7: SOLID WASTE ACTIONS

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

1. In 2018 the District undertook a phased in curbside recycling pickup program and organic waste drop off program with rebates on home composters purchased locally.
2. A random prize draw (entitled "Get Caught Recycling") was held for those who put out recycling, which turned out to be very popular.
3. A huge bin was placed in a central location for drop-off of household organic materials.

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**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. In 2019 the phased curbside recycling pickup program will be expanded to include the entire town and no limits were set on the number of blue bags that could be placed at the curb.
  2. A huge bin will again be placed in a central location for drop-off of household organic materials
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**Q45** Corporate Solid Waste Actions Taken in 2018

1. The District undertook an office "greening" whereby we stopped purchasing bottled water for the office or meetings that take place in the District Office Buildings
  2. We also stopped purchasing Styrofoam cups and plastic stir sticks and are attempting to reduce single-use plastics.
  3. We distributed ceramic mugs and reusable water bottles to staff to help reduce the use of disposable materials
  4. The Rec Center has a water fountain that has a water bottle filler spout on it; whenever water fountains need to be replaced, we will replace it with one that allows water bottles to be refilled.
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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. We are taking office greening a bit further by proposing in 2019 that staff help to reduce single-use plastics and use reusable cutlery instead of plastic cutlery for lunches and work meetings
  2. We recycle coffee cans, ink cartridges, plastics, paper and cardboard generated by the office.
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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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**Q50** Community-Wide Transportation Actions Taken in 2018

1. **The 174 kms of trails maintained by the District were promoted for use in the community, along with a kilometer mapping program that helps walkers/runners/bikers to count their steps. More trails and trail amenities such as lighting, a suspension bridge and trees were added in 2018 for the safety and comfort of walkers/runners/bikers.**
2. **A Standpipe was added in Carvers' Row downtown so passersby could refill their water bottles or have a drink of water.**

**Q51** Additional Community-Wide Transportation Actions Taken in 2018 (Optional - separate each reported action with a "\")

Respondent skipped this question

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

1. **The 174 kms of trails maintained by the District will be heavily promoted for use in the community by walkers/bikers/runners, and the new outdoor workout equipment in Don Titus Fit Park will be promoted in free outdoor fitness classes.**
2. **More lighting will be added to trails in 2019, and updates are being added to make trails accessible by mobility changed persons (trail widening, switchbacks to reduce steepness, benches at intervals for rests, and curb letdowns.)**
3. **The Rec Centre promotes use of trails by hosting several fun runs a year and fitness challenges**

**Q53** Corporate Transportation Actions Taken in 2018

Respondent skipped this question

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

Respondent skipped this question

**Q55** Corporate Transportation - Actions Proposed for 2019

1. **The District is engaging in a partnership with First Nations to operate a transit service in town and out to two First Nations Reserves and back. A planning study is underway, to be followed by a feasibility study in partnership with BC Transit.**

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

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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. **The District is reducing its flower bed borders downtown and replacing them with hanging flower baskets fed by drip lines and underground irrigation for the grass.**
  2. **The District continues to use xeriscaping where possible as well.**
  3. **This will reduce the trips back and forth by staff to refill the water truck in order to hand water landscaping.**
  4. **New Water Treatment Plant construction completed in 2018 to become more efficient, and provide 30% more capacity to the community; new technology allows for more remote monitoring and pinpointing of issues instead of having to drive to check on things physically.**
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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. **The District will continue to replace flower bed borders along sidewalks downtown with hanging flower baskets watered by a drip line, and to expand on underground irrigation to water grass downtown in the early morning hours to reduce evaporation and waste.**
2. **More water bibs (standpipes) will be placed downtown both for members of the public to drink or fill their water bottles, and for staff to fill their water tanks for handwatering landscaping where underground irrigation has not yet been installed**

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**Q62** Corporate Water and Wastewater Actions Taken in 2018 **Respondent skipped this question**

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

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**Q64** Corporate Water and Wastewater Actions Proposed for 2019 **Respondent skipped this question**

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

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Page 10: CLIMATE CHANGE ADAPTATION ACTIONS

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

**Increased temperatures increasing wildfire activity** ,

**Changing temperatures influencing species migration and ecosystem shifts**

,

**Extreme weather events contributing to urban and overland flooding**

**Q67** In 2018 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** ,
- Economic Diversification Initiatives** ,
- Strategic and Financial Planning** ,
- Cross-Department Working Groups,**
- Public Education and Awareness** ,
- Research,**
- Mapping,**
- Partnerships,**
- Asset Management**

**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. **The District of Chetwynd is a partner in the Northeast Climate Action Risk Network with neighbouring municipalities and the Fraser Basin Council with the help of a Federation of Canadian Municipalities grant to identify and strategize to mitigate the effects of climate change, develop a vulnerability assessment for Chetwynd and engage in public education and personal responsibility for and to mitigate climate change.**
2. **The District of Chetwynd is also a partner in the Regional Collaboration of Emergency Services with neighbouring municipalities**
3. **The District of Chetwynd obtained a grant for structural flood mitigation and is constructing some mitigative projects in 2019 to prevent damage from floods, and engaging the cooperation of property owners near the pinch points for access to creeks.**

**Q69** Climate Change Adaptation Actions Proposed for 2019

1. **The District of Chetwynd will continue to work on vulnerability studies and mitigation reports and to provide public education about climate change and what we are doing as well what the public can do to mitigate climate change and its effects.**
2. **The District of Chetwynd has begun to measure it's GHG output with the intent of reducing it in 2019 and the future**

**Q70** For more information please contact

Carol Newsom, CAO (250) 401-4104

**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>Not Useful</b>
Climate Projections for the Cowichan Valley Regional District	<b>Not Useful</b>
Provinces of BC's BC Adapts Video Series	<b>Useful</b>
Preparing for Climate Change: Implementation Guide for Local Governments	<b>Useful</b>
Public Infrastructure Engineering Vulnerability Committee (PIEVC)	<b>Useful</b>
Sea Level Rise Adaptation Primer	<b>Not Useful</b>
BC Regional Adaptation Collaborative Webinars	<b>Useful</b>
Retooling for Climate Change	<b>Useful</b>
Water Balance Model	<b>Useful</b>
Water Conservation Calculator	<b>Useful</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>Haven't Used</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

**Q72** Community-Wide Other Actions Taken in 2018 **Respondent skipped this question**

**Q73** Corporate Other Actions Taken in 2018 **Respondent skipped this question**

**Q74** Are you familiar with the Community Lifecycle Infrastructure Costing Tool (CLIC)? **No**

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

Page 12: INNOVATION AND PEER LEARNING

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

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

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

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

**Q80** Adaptation Programs, Partnerships and Funding **Respondent skipped this question**

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) **Respondent skipped this question**

**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) **Respondent skipped this question**

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

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Page 14: REPORTING REDUCTIONS AND OFFSETS

**Q85** Energy Efficient Retrofits(in tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e)) **Respondent skipped this question**

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**Q86** Solar Thermal(in tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e)) **Respondent skipped this question**

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**Q87** Household Organic Waste Composting(in tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e)) **Respondent skipped this question**

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**Q88** Low Emission Vehicles(in tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e)) **Respondent skipped this question**

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**Q89** Avoided Forest Conversion(in tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e)) **Respondent skipped this question**

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**Q90** Total B: Reductions from all Option 1 Projects for 2018 **Respondent skipped this question**

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**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**

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**Q92** Total C: Reductions from all Option 2 Projects for 2018 **Respondent skipped this question**

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**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. **Respondent skipped this question**

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**Q94** Total D: Offsets purchased for 2018 **Respondent skipped this question**

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

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**Q96** Corporate GHG Emissions balance for 2018 = (A- (B+C+D) = tCO2e

891.80

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**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 tCO2e)

**Respondent skipped this question**

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**Q98** Balance of reductions eligible for carry over to the next year (tCO2e)(total of emissions reductions identified above)

**Respondent skipped this question**

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

**No**

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Page 15: GREEN COMMUNITIES CLIMATE ACTION RECOGNITION PROGRAM

**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 3 - Accelerating Progress on Charter Commitments**

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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)

Continuation of programs like tree replacement, self watering green/garden spaces. Replacing old energy burning equipment with modern low emission equipment, recycling, composting, LED lighting, making our township more aware of our needs to continually improve our environment. Making things more accessible by walking, running, cycling, clean well kept trails.

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