

#162

COMPLETE

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Page 2: LOCAL GOVERNMENT INFORMATION

Q1 Name of Local Government **Tahsis, Village of**

Q2 Name of member Regional District **Strathcona**

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

Q4 Population **0 - 4,999**

Q5 Submitted by

Name	Deb Bodnar
Position	Director of Finance
Email Address	DBodnar@VillageofTahsis.com
Phone Number	250-934-6344

Page 3: BROAD PLANNING ACTIONS

Q6 Community-Wide Broad Planning Actions Taken in 2018 **Respondent skipped this question**

Q7 Additional Community-Wide Broad Planning Actions Taken in 2018 (Optional - separate each reported action with a "\") **Respondent skipped this question**

Q8 Community-Wide Broad Planning Actions Proposed for 2019 **Respondent skipped this question**

Q9 Corporate Broad Planning Actions Taken in 2018 **Respondent skipped this question**

2018 CARIP Climate Action/Carbon Neutral Progress Survey

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

Q11 Corporate Broad Planning Actions Proposed for 2019 **Respondent skipped this question**

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

No specific target set

Q13 Are you familiar with your local government's community energy and emissions inventory (e.g. CEEI or another inventory)? **No**

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

Q15 Does your local government have a corporate GHG reduction plan? **No**

Page 4: BUILDING AND LIGHTING ACTIONS

Q16 Community-Wide Building and Lighting Actions Taken in 2018 **Respondent skipped this question**

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

Q18 Community-Wide Building and Lighting Actions Proposed for 2019 **Respondent skipped this question**

Q19 Corporate Building and Lighting Actions Taken in 2018

1. **Installed LED lighting in Fire Hall, Recreation Centre including swimming pool and the Public Works building**

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

1. **Apply for grant to revitalize the Recreation Centre including HVAC system**

Q22 Is your local government aware of the BC Energy Step Code? No

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 Respondent skipped this question

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

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

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

Q29 Corporate Energy Generation Actions Proposed for 2019 Respondent skipped this question

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

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. **Greenspace is dedicated for use as community garden**
 2. **Local school has a farm to school lunch program using food grown from the community gardens**
-

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. **Repair and rebuild park trails**
-

Q38 Corporate Greenspace Actions Taken in 2018 **Respondent skipped this question**

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 **Respondent skipped this question**

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. **Community continues to collect food waste for local farm and diverting from landfill**
-

2018 CARIP Climate Action/Carbon Neutral Progress Survey

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 **Respondent skipped this question**

Q45 Corporate Solid Waste Actions Taken in 2018

- | | |
|----|--|
| 1. | Ongoing Recycle BC program |
| 2. | "Free" store program where used items are left for others to take |
-

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

Q47 Corporate Solid Waste Actions Proposed for 2019

- | | |
|----|--|
| 1. | Ongoing Recycle BC program |
| 2. | "Free" store program where used items are left for others to take |
| 3. | Organics diversion pilot program |
-

Q48 Does your local government have construction and demolition waste reduction policies, plans or programs? **Yes**

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

Page 8: TRANSPORTATION ACTIONS

Q50 Community-Wide Transportation Actions Taken in 2018 **Respondent skipped this question**

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 **Respondent skipped this question**

2018 CARIP Climate Action/Carbon Neutral Progress Survey

Q53 Corporate Transportation Actions Taken in 2018

- | | |
|----|---|
| 1. | Planning and design work for upgrade of specific municipal roads |
| 2. | Installed meter on fuel supply to monitor and data usage |
-

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. | Substantial completion of upgrade of 6.5 kms of municipal roads including linear assets |
| 2. | Replace old inefficient Public Works vehicles with smaller 4x4 truck and side-by-side quad. |
-

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

Other (please specify):
No

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

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

No

Page 9: WATER AND WASTEWATER ACTIONS

Q59 Community-Wide Water and Wastewater Actions Taken in 2018

Respondent skipped this question

Q60 Additional Community-Wide Water and Wastewater Actions Taken in 2018(Optional - separate each reported action with a "\")

Respondent skipped this question

Q61 Community-Wide Water and Wastewater Actions Proposed for 2019

Respondent skipped this question

Q62 Corporate Water and Wastewater Actions Taken in 2018

1. **Completion of south pumpstation repairs**
 2. **Completion of wastewater system condition assessment and optimization**
-

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. **Completion of watershed protection plan**
 2. **Completion of wellhead protection plan**
 3. **Installed residential and commercial positive displacement (direct read) water meters including associated meter boxes and appurtances**
 4. **Repair and replace 80 linear meters of water mains, install a meter on the water main, and replace valves and hydrants**
 5. **Water and waste water main replacements with the road project upgrades**
-

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 ,

Increased temperatures increasing wildfire activity ,

Sea level rise and storms causing flooding and/or erosion

Q67 In 2018 has your local government addressed the impacts of a changing climate using any of the following?

- Risk and Vulnerability Assessments** ,
- Emergency Response Planning** ,
- Infrastructure Upgrades (e.g. stormwater system upgrades)** ,
- Official Community Plan Policy Changes** ,
- Public Education and Awareness** ,
- Research,**
- Mapping**

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. **Initiated sea level rise and flood plain mapping study**

Q69 Climate Change Adaptation Actions Proposed for 2019

1. **Completion of sea level rise and flood mapping study including public presentations on predictions. Also includes structural mitigation proposals and policy recommendations**
2. **Official Community Plan Renewal to include policies that take climate change into account**

Q70 For more information please contact

Mark Tatchell

2018 CARIP Climate Action/Carbon Neutral Progress Survey

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	Useful
Plan2Adapt	Useful
Preparing for Climate Change: Implementation Guide for Local Governments	Useful
Sea Level Rise Adaptation Primer	Useful
National Disaster Mitigation Program (NDMP)	Useful
Community Emergency Preparedness Fund (CEPF)	Useful
Infrastructure Planning Grants (MAH)	Useful
Federal Gas Tax Fund	Useful

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)? **Yes**

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

2018 CARIP Climate Action/Carbon Neutral Progress Survey

Q81 Did your local government measure corporate GHG emissions for 2018? **No**

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**

Page 14: REPORTING REDUCTIONS AND OFFSETS

Q85 Energy Efficient Retrofits(in tonnes of carbon dioxide equivalent (tCO₂e)) **Respondent skipped this question**

Q86 Solar Thermal(in tonnes of carbon dioxide equivalent (tCO₂e)) **Respondent skipped this question**

Q87 Household Organic Waste Composting(in tonnes of carbon dioxide equivalent (tCO₂e)) **Respondent skipped this question**

Q88 Low Emission Vehicles(in tonnes of carbon dioxide equivalent (tCO₂e)) **Respondent skipped this question**

Q89 Avoided Forest Conversion(in tonnes of carbon dioxide equivalent (tCO₂e)) **Respondent skipped this question**

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

Q91 If applicable, please report the names and 2018 GHG emissions reductions (in tonnes of carbon dioxide equivalent (tCO₂e)) being claimed from Option 2 GHG Reduction Projects **Respondent skipped this question**

2018 CARIP Climate Action/Carbon Neutral Progress Survey

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 (tCO₂e)) 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**

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

Q95 TOTAL REDUCTIONS AND OFFSETS FOR 2018 (Total B+C+D)= tCO₂e **Respondent skipped this question**

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

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**

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

Q99 Does your local government set aside funds in a climate reserve fund or something similar? **No**

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 1 - Demonstrating Progress on Charter Commitment**

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**

Local Government Name:	Village of Tahsis		
Contact Information:			
Name:	Deb Bodnar		
Position:	Director of Finance		
Telephone Number:	250-934-6344		
Email address:	dbodnar@VillageofTahsis.com		

**Calculation of carbon tax paid directly by the local government
for fuel purchased between January 1 and December 31, 2018**

Fuel Type	January 1 to March 31/2018				April 1 - December 31/2018			
	Unit measure	Units	Tax Rate per unit, January 1, 2018 to March 31, 2018	Carbon Tax paid	Units	Tax Rate per unit, April 1, 2018 to Decemehr 31, 2018	Carbon Tax paid	Total Carbon Tax Paid in 2018

Most common fuels in a local government context:								
Gasoline	Litre	1681.48	0.0667	112.154716	4908.8	0.0778	381.90464	494.059356
Diesel	Litre		0.0767	0		0.0895	0	0
Bio-Diesel	Litre	1236.7	0.0767	94.85489	4528.4	0.0895	405.2918	500.14669
Natural Gas	Gigajoule		1.4898	0		1.7381	0	0
Natural Gas	m ³		0.057	0		0.0665	0	0
Propane	Litre	9739.9	0.0462	449.98338	4295.9	0.0539	231.54901	681.53239

Other fuels which are taxed:								
Heating Oil	Litre		0.0767	0		0.0895	0	0
Locomotive Fuel	Litre		0.0767	0		0.0895	0	0
Heavy Fuel Oil	Litre		0.0945	0		0.1103	0	0
Aviation Fuel	Litre		0.0738	0		0.0861	0	0
Jet Fuel	Litre		0.0783	0		0.0914	0	0
Kerosene	Litre		0.0783	0		0.0914	0	0
Naphtha	Litre		0.0765	0		0.0893	0	0
Methano	Litre		0.0327	0		0.0382	0	0
Butane	Litre		0.0528	0		0.0616	0	0
Ethane	Litre		0.0294	0		0.0343	0	0
Refinery Gas	m ³		0.0528	0		0.0616	0	0
Coke Oven Gas	m ³		0.0483	0		0.0564	0	0
Coal -- Low Heat Value	Tonne		53.31	0		62.2	0	0
Coal -- High Heat Value	Tonne		62.31	0		72.7	0	0
Coke	Tonne		74.61	0		87.05	0	0
Petroleum Coke	Litre		0.1101	0		0.1285	0	0
Tires -- shredded	Tonne		71.73	0		83.69	0	0
Tires -- whole	Tonne		62.4	0		72.8	0	0
Peat	Tonne		30.66	0		35.77	0	0

Total Carbon Tax Paid:				656.992985			1018.74545	1675.738436
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1. Only list fuels that were purchased for the local government's own use, on which carbon tax was paid, and where that carbon tax was not refunded or recovered from another party (e.g., through a lease arrangement). Also do not include any fuels that were exempted from carbon tax (for more information on exemptions see the *Carbon Tax Act* and its Regulations)
2. Bio-diesel blends must be prorated in order to claim the diesel and bio-diesel portions on the appropriate line. The proportion of the blend (B5, B10, B15 etc) that is conventional hydrocarbon-based diesel is included on the diesel line; consequently, the bio-diesel pro-rated amount must be entered on the bio-diesel line. For example, a 10,000 litre purchase of B10, which is 10% bio-diesel and 90% hydrocarbon-based diesel, would be recorded as 9,000 litres hydrocarbon-based diesel (90% of 10,000 purchased litres) and bio-diesel would be recorded as 1000 litres (10% of purchased bio-diesel).
3. Marketable Natural Gas may be recorded at either Gigajoules or m³
4. Low Heat Value Coal includes Sub-Bituminous Coal; High Heat Value Coal includes Bituminous Coal
5. Only include tires if they are combusted

I declare that the information contained in this Carbon Tax Calculation Form is true and correct and based on actual accounting records and not estimates. I am also aware of the requirement to report publicly by June 1st.

Signature of Financial Officer

Deb Bodnar June 4/19