

Climate Action Revenue Incentive Program (CARIP) Public Report

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Public Report for YEAR 2013

Regional District of Okanagan-Similkameen



Report Submitted by
Anne Hargrave
Planning Technician
ahargrave@rdos.bc.ca

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General Information

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|---|---|
| Name of Local Government | Regional District of Okanagan-Similkameen |
| Member of Regional District (RD) | |
| Regional Growth Strategy (RGS) in region | Yes |
| Population | 80,742 |

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Community Wide Actions for 2013

1.1 Measure

Community Wide Measurement Actions

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| Question | Have you been using the Community Energy and Emissions Inventory (CEEI) to measure progress? What else have you been using instead of/in addition to CEEI? |
| Answer | No |
| Additional Information | The CEEI was used to establish community targets in the 2011 RDOS Climate Action Plan, which were subsequently included in Electoral Area OCPs. Fortis energy summaries are used in conjunction with RGS indicators. |

1.2 Plan

Community Wide Targets

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| Question | Does your OCP(s) have targets, policies and actions to reduce GHG emissions, as per the requirements under the <i>Local Governments Act</i> (LGA)? If yes, please identify the targets set. If no or in progress, please comment. |
| Answer | Yes. There are seven OCP's covering six of the eight electoral areas that have been previously amended to include the targets, policies and actions as outlined in the 2011 RDOS Climate Action Plan, which range from 20-30% below 2007 levels by 2030. In addition, implementation of the RGS is ongoing and actively pursued by staff. The targets identified in the adopted RGS are 15% reduction from the 2007 Community baseline by 2030. |
| Additional Information | |

1.3 Reduce

Supportive Community Wide Actions

| | |
|--------------------------------|---|
| Action Type | Broad Planning |
| Actions Taken this Year | Electoral Area D-2 OCP was given third reading in September, and continued to encourage |

development that supports the RGS and Community Climate Action Plan in its approach to community planning. It includes urban growth boundaries for Okanagan Falls, and policy statements to direct growth to the townsite. Continued implementation of the RGS included creation of a sustainability checklist for new developments. Continued to assist Keremeos in its OCP update which included a GHG reduction/climate action section. Public consultation on and RD endorsement of South Okanagan Bio diversity strategy "Keeping Nature in Our Future" were completed.

Proposed Actions for Next Year

Implement Area D-2 OCP. Update Area D-1 OCP.
Assist Keremeos with plan adoption and implementation, as requested.

Action Type Building and Lighting

Actions Taken this Year

RDOS partnered with Fortis BC on the Okanagan Energy Diet, providing Energy Audits to 100 home owners for a nominal fee.

Proposed Actions for Next Year

Action Type Energy Generation

Actions Taken this Year

n/a

Proposed Actions for Next Year

n/a

Action Type Green Space

Actions Taken this Year

Started implementation of Regional Trails Plan

Proposed Actions for Next Year

Continue implementation of Regional Trails Plan.

Action Type Transportation

Actions Taken this Year

In 2013, a Regional Transit Future Plan was underway with Transit BC involvement

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| Proposed Actions for Next Year | Continue with development of Regional Transit Future Plan . |
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| Action Type | Waste |
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| Actions Taken this Year | Continued education programs re: composting, recycling, water reduction, rain water capture and re-use; developed strategies within the SWMP: and Organic Waste Management Plan; reviewed options for dispersing landfill gas. |
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| Proposed Actions for Next Year | Continue to Implement the RDOS Solid Waste Program. Hire consultant to investigate options for biosolids / community composting program. Work with MoE to determine best options for land fill gas. Implement Area G Skills for Rural Living Workshop on Backyard and Large Scale Composting. |
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| Action Type | Water/Sewer |
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| Actions Taken this Year | Continued participation in a RD wide Water Ambassador Program, partnering with several stakeholders. Completed construction of the West Bench Water Source and Distribution Upgrade to connect to state-of-the-art City of Penticton water system. Commissioned / fully implemented the Okanagan Falls Waste Water Treatment Plant which trucks sludge to City of Penticton for dewatering and composting, thereby partnering and utilize existing infrastructure. |
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| Proposed Actions for Next Year | Commission West Bench Water Source and Distribution Upgrade which will include activating a new booster station to replace obsolete, inefficient lake intake & pump house; final hookup anticipated in spring 2014. Continue to review options for proceeding with a wetlands component to the Okanagan Falls Waste Water Treatment Plant. |
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| Action Type | Other Actions |
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| Actions Taken this Year | Developed "Skills for Rural Living" workshop series for Area G. |
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| Proposed Actions for Next Year | |
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Direct Community Wide Actions

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| Action Type | Buildings |
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| Actions Taken this Year | Supported Okanagan Energy Diet campaign to provide energy efficiencies in homes and |
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| Year | reduced cost energy audits for residents of RDOS. |
| Proposed Actions for Next Year | Implement new energy efficiencies for Complex Buildings as required under Part 3 of the Building Code. |

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| Action Type | Energy Generation |
| Actions Taken this Year | Implemented the first of the Area G "Skills for Rural Living" workshop, which included info on wood stove exchange program and changing wood burning practices. |
| Proposed Actions for Next Year | |

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|---------------------------------------|---|
| Action Type | Transportation |
| Actions Taken this Year | Constructed the West Bench Pedestrian Corridor. KVR trail surface upgraded between Penticton & Naramata, and Okanagan Falls & Kaleden. |
| Proposed Actions for Next Year | Develop Area D East Transit Service with implementation to follow in 2015. Complete lighting and signage on the West Bench Pedestrian Corridor. Develop the Osoyoos Lake, Lakehill and Kaleden KVR Trail Pedestrian Corridors . |

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|---------------------------------------|--|
| Action Type | Waste |
| Actions Taken this Year | Implemented the Solid Waste Management Plan. Offered composting workshops. |
| Proposed Actions for Next Year | |

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|---------------------------------------|--|
| Action Type | Water/Sewer |
| Actions Taken this Year | Implemented a Water Meter Pilot Project in Naramata. Installed water meters to all services in West Bench. Implemented Phase 1 of the cross connection control program in West Bench. Implemented rainwater harvesting workshops. Offered rain barrel workshops. |
| Proposed Actions for Next Year | Water Smart initiatives include tracking and public consultation / education through Naramata pilot water metering program. Initiate implementation of water metering program in West Bench including mock billing program. Implement Septic Care workshop |

in Area G as part of Skills for Rural Living series, and rainwater harvesting workshops. Implementation of school-age water conservation program. Special events planned for Drinking Water Week, World Water Day, RBC Blue Water Day.

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| Action Type | Green Space |
| Actions Taken this Year | Transfer of Christie Memorial Park to RDOS completed; 2 dozen newly planted trees at local parks; and aquisition of park land west of Okanagan Falls. |
| Proposed Actions for Next Year | Implement xeriscape gardening workshop as part of the Area G Skills for Rural Living Series. |

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| Action Type | Other Actions |
| Actions Taken this Year | <p>Provided Climate Action Plan information at the south Okanagan Building Home Show.</p> <p>Provided outreach on Climate action information & GHG reduction information at South Okanagan Building Show.</p> <p>Provided Rec and Trails information at booth during Challenge Penticton Triathalon.</p> |
| Proposed Actions for Next Year | Implement Area G "Skills for Rural Living" Workshop Series. Earth Day/Week activities. |

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| Question | Is there any activity that you have been engaged in over the past year(s) that you are particularly proud of and would like to share with other local governments? Please describe and add links to additional information where possible. |
| Answer | |

Corporate Actions for 2013

2.1 Measure

Corporate Measurement Actions

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|-----------------|---|
| Question | What steps has your local government taken toward completing its corporate emissions inventory? |
| Answer | RDOS collected and summarized its historical gas and electricity data for its facilities to establish historic consumption for use in prioritizing energy audits. |

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| Question | What tool are you using to measure, track and report on your corporate emissions? |
| Answer | Implemented Smart Tool in 2013 for 2012 emissions. |

2.2 Reduce

Supportive Corporate Actions

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|---------------------------------------|---|
| Action Type | Broad Planning |
| Actions Taken this Year | Developed a detailed Corporate Climate Action Plan. Priority actions for implementation included review of energy use by RDOS buildings and facilities, and promoting staff engagement. |
| Proposed Actions for Next Year | Staff recognition program being developed for implementation in 2014, specific to Climate Action Plan initiatives. |

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| Action Type | Building and Lighting |
| Actions Taken this Year | Historic energy use summarized for RDOS buildings and facilities, from which RDOS initiated energy audits for prioritized buildings & facilities. Contracted with architect for design upgrades to main administration building which incorporates energy reduction strategies. |
| Proposed Actions for | Finalize Energy Audits on a the majority of RDOS facilities and buildings. Develop 20 yr |

| | |
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| Next Year | Infrastructure/ Asset Lifecycle Plan, with long term expectations of replacing assets that are more energy efficient. Finalize architect's design for upgrading main administration building; assess feasibility of initiating implementation in 2014/2015. |
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|---------------------------------------|--------------------------|
| Action Type | Energy Generation |
| Actions Taken this Year | n/a |
| Proposed Actions for Next Year | n/a |

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|---------------------------------------|--|
| Action Type | Transportation |
| Actions Taken this Year | Anti-idling policy continues to be in effect; organized Bike to Work week for employees, which included an RDOS sponsored Employeee Bike Purchase plan where intial purchase price was sponsored then deducted over 12 monthly installments from paycheques. |
| Proposed Actions for Next Year | Anti-idling policy will continue; organize Bike to Work week for employees. |

| | |
|---------------------------------------|--------------------|
| Action Type | Water/Sewer |
| Actions Taken this Year | n/a |
| Proposed Actions for Next Year | n/a |

| | |
|---------------------------------------|----------------------|
| Action Type | Other Actions |
| Actions Taken this Year | |
| Proposed Actions for Next Year | |

Direct Corporate Actions

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|--------------------|------------------------------|
| Action Type | Building and Lighting |
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|---------------------------------------|---|
| Actions Taken this Year | Accessed Fortis rebates for energy efficient lighting upgrades; building managers carried out at own discretion on an ad hoc basis. |
| Proposed Actions for Next Year | Provide results of Energy Audits to facility managers and other relevant staff in half day workshop; encourage implementation of recommendations through written report / checklist, seek additional rebates for building and facility upgrades. Corporate Energy Conservation Lunch & Learn workshops for staff. |

| | |
|---------------------------------------|---|
| Action Type | Energy Generation |
| Actions Taken this Year | Continued dispersing heat from computer server into ceiling to reduce winter heating costs. |
| Proposed Actions for Next Year | Continue dispersing heat from computer server into ceiling to reduce winter heating costs. |

| | |
|---------------------------------------|--|
| Action Type | Fleet |
| Actions Taken this Year | Ongoing anti-idling program. Trip management implemented on an ad hoc basis. Right sized fleet sizing initiative resulted in replacing one truck with a more fuel-efficient SUV. |
| Proposed Actions for Next Year | Ongoing anti-idling program. Trip management implemented on an ad hoc basis. Continue seeking fleet right-sizing as opportunities. |

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|---------------------------------------|--|
| Action Type | Waste |
| Actions Taken this Year | Continued recycling programs in house for office waste and staff waste in lunch room, including composting. |
| Proposed Actions for Next Year | Continue recycling programs in house for office waste and staff waste in lunch room, including composting. Composting & recycling Lunch & Learn workshops for staff. |

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|--------------------------------|--------------------|
| Action Type | Water/Sewer |
| Actions Taken this Year | n/a |

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| Proposed Actions for Next Year | n/a |
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Action Type **Green Space**

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| Actions Taken this Year | Developed a concept and corporate team to implement xeriscap garden for main administration building. Trial roof top vegetable garden produced tomatoes, herbs and flowers. |
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| Proposed Actions for Next Year | Initiate and implement design of RDOS demonstration xeriscap garden scheduled for installation spring 2014. Water Conservation Lunch & Learn workshops for staff. |
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Action Type **Other Actions**

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| Actions Taken this Year | RDOS established a reserve fund for carbon neutral initiatives. |
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| Proposed Actions for Next Year | |
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2.3 Corporate Innovation

Question Is there any activity that you have been engaged in over the past year(s) that you are particularly proud of and would like to share with other local governments? Please describe and add links to additional information where possible.

Answer

Carbon Neutral Progress Reporting

3.1 Carbon Neutral Progress Reporting

| Emissions/Offsets | Tonnes CO2e |
|--|-------------|
| Annual corporate emissions using SMARTTool or equivalent inventory tool | 689 |
| <i>Emissions from services delivered directly by the local government</i> | 377 |
| <i>Emissions from contracted services</i> | 312 |
| Less: GHG reductions being claimed for this reporting year from Option 1 - GHG reduction project | 0 |
| <i>Energy Efficient Building Retrofits and Fuel Switching</i> | |
| <i>Solar Thermal</i> | |
| <i>Household Organic Waste Composting</i> | |
| <i>Low Emissions Vehicles</i> | |
| Less: GHG reductions being claimed for this reporting year from Option 2 - GHG reduction projects | 0 |
| <i>Option 2 Project A</i> | |
| <i>Option 2 Project B</i> | |
| <i>Sum of Other Option 2 Projects (if you have added projects below)</i> | 0 |
| Less: <i>Offsets purchased for this reporting year (Option 3). Please identify your offset provider in the offset provider information section below.</i> | |
| Balance of corporate emissions for this reporting year. <i>(If the corporate emissions balance is zero, your local government is carbon neutral for this reporting year)</i> | 689 |
| Additional "Option 2" Projects | |
| <i>Option 2 Project C</i> | |
| <i>Option 2 Project D</i> | |
| <i>Option 2 Project E</i> | |
| <i>Option 2 Project F</i> | |
| <i>Option 2 Project G</i> | |
| <i>Option 2 Project H</i> | |

3.2 Making Progress on Your Carbon Neutral Commitment

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|-----------------|--|
| Question | If your community has not achieved carbon neutrality for this reporting year please describe the actions that you intend to take next year to move you toward your carbon neutral goal. |
| Answer | RDOS will be obtaining recommendations for reducing energy in 40+ of its facilities through and energy audite contract. Smart Tool reporting will be scrutinized to determine successes as well as |

opportunities for future energy / carbon emissions reductions. RDOS aspires to further review of corporate practices, such as those related to fleet management, as per the multi-year work plan developed in 2013.

3.3 Offset Provider Information

Question Please Identify the name(s) of your offset provider(s) (Please answer below):

Answer

Question The offsets being claimed in this CARIP Report were purchased from the offset provider(s) indicated above prior to making this CARIP report public (please indicate yes or no):

Answer

Question If your community has not achieved carbon neutrality for this reporting year please describe the actions that you intend to take next year to move you toward your carbon neutral goal.

Answer