

MAY 21

# RUAMĀHANGA STRATEGY

VOLUME 2: ACTION PLAN



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Disclaimer

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## 1 Achievements for the period 2019-2021

The period 2019-2021 was the first years of implementation of the Ruamāhanga Strategy. This year's main objective was to raise awareness and start reducing the emissions.

The gross emissions (and net emissions) have reduced for both Councils between 2018 and 2020. However, emissions naturally fluctuate from one year to the other (more or less emissions). Therefore, we must wait to see if this reduction is a long-term trend or meaning the Councils are truly making efforts to reduce its footprint.

Awareness was increased in the organisations and the community through many actions (workshops, themed week, dashboard and newsletter, social media, etc).

### 1.1 Councils: lead by example

Action	Time frame	KPI	Achievements	
			CDC	SWDC
<b>Councils' activities</b>				
1-1.1.1. Measure and report on council's emissions	2018 - ongoing	One inventory and report published each year.	Gross emissions: - 2018: 777.12 tCO <sub>2</sub> e - 2019: 774.55 tCO <sub>2</sub> e - 2020: 275.98 tCO <sub>2</sub> e	Gross emissions: - 2018: 764.10 tCO <sub>2</sub> e - 2019: 625.50 tCO <sub>2</sub> e - 2020: 243.18 tCO <sub>2</sub> e
1-1.1.2. Work with GWRC and other TAs	2019 – ongoing	Attendance to meetings and support to other TAs	Attendance to the WRCCF and the WWECWP meetings. Attendance to the climate change officers network meetings. Formation of the Wairarapa Climate Caucus (group of climate change officers, elected members and Iwi representative in Wairarapa Region).	
1-1.1.3. Review the procurement policy	2020 – 2021	Adoption of the procurement policy	The procurement policy is currently being reviewed and will consider a sustainable procurement (environmental, social, economic and cultural outcomes). The policy will be adopted in April 2021.	The procurement policy will be reviewed in 2021 and will consider a sustainable procurement (environmental, social, economic and cultural outcomes).
			This action also answers the action 3-1.1.2.	

Action	Time frame	KPI	Achievements	
			CDC	SWDC
1-1.1.4. Implement a Carbon Reduction Policy	2020 – 2021	The internal Carbon Reduction Policy is written and used by 2020. The other policies are reviewed and approved by 2020.	<p>The Carbon Reduction Policy and guidance were shared with the managers and are currently being explained to all staff members.</p> <p>All other policies were revised, and climate change clauses were added if necessary. The conclusion of this work was given to the policy managers.</p>	<p>The Carbon Reduction Policy and guidance were shared with the policy and governance manager.</p> <p>All other policies were revised, and climate change clauses were added if necessary. The conclusion of this work was given to the policy and governance manager.</p>
1-1.1.5. Input Climate Change in planning documents and strategies	2020	Climate change is embedded in the planning in the Councils' systems.	<p>Climate change was considered in the LTP, and other strategies (infrastructure strategy). Climate change is being considered in the review of the special plan.</p> <p>The WRCCWF is working on two projects of the Wellington Region Growth Framework (WRGF). One project is about climate change mitigation and the second is about climate change adaptation.</p> <p>Climate change will need to be considered during the combined district plan review in 2022.</p>	
<b>Transportation</b>				
1-1.2.1. Consider other options than ICE vehicle	2019 – 2023	<p>Council's employees are aware about the other options available to reduce the use of car.</p> <p>The transport's emissions decrease.</p>	<p>An electric vehicle drive test was cancelled by the EV provider (Feb 19).</p> <p>Alternative to ICE vehicles were promoted during Global Climate Change week (Oct 19) and Conservation week (Aug 20).</p> <p>Workshops were organised to explain what climate change is, explain the council's emissions and explain how to reduce the emissions (Feb-Mar 20)</p> <p>E-bike scheme set up in March 2021 for all staff members, elected members and opportunity for the councils to purchase a discounted e-bike for its fleet.</p>	
			<p>4 hybrid vehicles were purchased in October 20.</p> <p>Looking into purchasing an e-bike.</p>	
1-1.2.2. Adopt fuel-efficient driving techniques	2019 – ongoing	<p>Council's employees are aware about fuel-efficient driving techniques and they use them.</p> <p>The transport's emissions decrease.</p>	<p>Fuel-efficient driving techniques were promoted during Global Climate Change week (Oct 19) and Conservation week (Aug 20).</p> <p>Workshops were organised to explain what climate change is, explain the council's emissions and explain how to reduce the emissions (Feb-Mar 20)</p> <p>CDC: The Carbon Reduction Policy and guidance were shared with the managers and are currently being explained to all staff members.</p> <p>SWDC: The Carbon Reduction Policy and guidance were shared with the policy and governance manager.</p>	

Action	Time frame	KPI	Achievements	
			CDC	SWDC
1-1.2.3. Lead a fleet review	2020	Report on the results of the fleet review.	The fleet review was finalised in June 20 and given to managers for consideration.	The fleet review has not been done because the fleet was not GPS tracked (Argus). The system was implemented in March 20 so a fleet review will be possible at some point in 2021 (after a full year of data available).
<b>Energy consumption</b>				
1-1.3.1. Adopt an energy saving behaviour	2019 – ongoing	Council's employees are aware about energy saving behaviour and they adopt it. The energy use decrease (in the offices).	Energy saving behaviour was promoted during Global Climate Change week (Oct 19) and Conservation week (Aug 20). Workshops were organised to explain what climate change is, explain the council's emissions and explain how to reduce the emissions (Feb-Mar 20) CDC: The Carbon Reduction Policy and guidance were shared with the managers and are currently being explained to all staff members. SWDC: The Carbon Reduction Policy and guidance were shared with the policy and governance manager.	
1-1.3.2. Use LED technology (including streetlights)	2018 – ongoing	The numbers of Led lights increase until 100% of the lights are LED and the emissions decrease.	2018-2019: transition the streetlights to LED CDC: The Carbon Reduction Policy and guidance were shared with the managers and are currently being explained to all staff members. SWDC: The Carbon Reduction Policy and guidance were shared with the policy and governance manager.	
1-1.3.3. Lead a building efficiency assessment	2020	The assessment is done, and a report is written.	A self-building-efficiency-assessment was conducted in 2020 but the results were not reliable. To have reliable results, we would need to do an energy audit conducted by an expert.	
<b>Renewable energy</b>				
1-1.4.1. Buy electricity from a company that uses 100% renewable energy	2019	The power company supplying the councils uses 100% renewable energies.	Since Oct 19, 91% of the energy used is renewable	Since Oct 19, 100% of the energy used is renewable
<b>3-waters</b>				
1-1.5.1. Reduce reticulated water leaks	2019 - ongoing	The amount of water losses goes down.	CDC keeps doing leak detection and repair in order to reduce the water losses.	Wellington Water keeps doing leak detection and repair in order to reduce the water losses.

Action	Time frame	KPI	Achievements	
			CDC	SWDC
1-1.5.2. Use water saving technologies	2019 - ongoing	The water consumption goes down and the water saving technologies are always an option in the choices for new devices.	<p>Energy saving behaviour was promoted during Global Climate Change week (Oct 19) and Conservation week (Aug 20).</p> <p>Workshops were organised to explain what climate change is, explain the council's emissions and explain how to reduce the emissions (Feb-Mar 20).</p> <p>The adoption of the procurement policy will help making the right decision and using water saving technologies.</p> <p>CDC: The Carbon Reduction Policy and guidance were shared with the managers and are currently being explained to all staff members.</p> <p>SWDC: The Carbon Reduction Policy and guidance were shared with the policy and governance manager.</p>	
1-1.5.3. Reduce storm water and ground water in the sewers	2019 - Ongoing	Old and defective sewers are being replaced by new pipes.	CDC keeps fixing sewers in order to reduce leaks and groundwater intrusion.	Wellington water keeps fixing sewers in order to reduce leaks and groundwater intrusion.
<b>Waste</b>				
1-1.6.1. Compost	2019 – ongoing	Every kitchen has a caddy that is emptied in a compost bin.	<p>Staff members organised food scrap collection in the kitchens (to compost or to feed animals)</p> <p>Compost was promoted during Global Climate Change week (Oct 19) and Conservation week (Aug 20).</p> <p>Workshops were organised to explain what climate change is, explain the council's emissions and explain how to reduce the emissions (Feb-Mar 20)</p> <p>CDC: The Carbon Reduction Policy and guidance were shared with the managers and are currently being explained to all staff members.</p> <p>SWDC: The Carbon Reduction Policy and guidance were shared with the policy and governance manager.</p>	
1-1.6.2. Recycle	2019 – ongoing	Staff knows about recycling and uses the recycling stations.	<p>Recycling options are available in the offices.</p> <p>Recycling was promoted during Global Climate Change week (Oct 19) and Conservation week (Aug 20).</p> <p>Workshops were organised to explain what climate change is, explain the council's emissions and explain how to reduce the emissions (Feb-Mar 20)</p> <p>CDC: The Carbon Reduction Policy and guidance were shared with the managers and are currently being explained to all staff members.</p> <p>SWDC: The Carbon Reduction Policy and guidance were shared with the policy and governance manager.</p>	

Action	Time frame	KPI	Achievements	
			CDC	SWDC
1-1.6.3. Optimise the IT (especially paper prints)	2019 – ongoing	The prints number goes down.	Support paperless with Stellar and other initiatives. Prints reduction was promoted during Global Climate Change week (Oct 19) and Conservation week (Aug 20). Workshops were organised to explain what climate change is, explain the council’s emissions and explain how to reduce the emissions (Feb-Mar 20) CDC: The Carbon Reduction Policy and guidance were shared with the managers and are currently being explained to all staff members. SWDC: The Carbon Reduction Policy and guidance were shared with the policy and governance manager.	
			Prints tracked since 2020	Prints tracked since 2019
<b>Carbon sequestration</b>				
1-1.7.1. Preserve our forests	2019 – ongoing	The surface of forest owned is stable and if deforestation a report is done to prove the purpose of it.	Carbon sequestration was promoted during Global Climate Change week (Oct 19) and Conservation week (Aug 20). Workshops were organised to explain what climate change is, explain the council’s emissions and explain how to reduce the emissions (Feb-Mar 20)	
				Harvested forests are being replanted as much as possible
1-1.7.2. Lead a land assessment to increase tree planting and wetland restoration	2020	The land assessment is done.	The Reserve Management Plan is currently being reviewed and is an opportunity to identify possible areas for planting.	Areas where identified to plant natives (2 ha around the Waiohine bores and 4 ha at Lake Ferry in replacement of pine trees)
<b>Communication and education</b>				
1-1.8.1. Engage the staff in the carbon footprint reduction	2019 – ongoing	The staff is engaged in the carbon footprint reduction and act to reduce their emissions.	Greenhouse gas emissions reduction was promoted during Global Climate Change week (Oct 19) and Conservation week (Aug 20). Workshops were organised to explain what climate change is, explain the council’s emissions and explain how to reduce the emissions (Feb-Mar 20). Monthly dashboard and newsletter to understand the councils’ emissions. These are sent to all staff members.	



Action	Time frame	KPI	Achievements	
			CDC	SWDC
1-1.8.2. Keep the Council's members and staff informed	2019 – ongoing	The Councils' members and staff are well informed about the actions of the Climate Change Advisor.	A climate change component was added in the Council's reports in 2019. A clear guidance was developed to help staff members filling this section.	A climate change component in the Council's reports is currently under development. A clear guidance will accompany this component to help staff member filling the section.

**Table 1: Achievements for the Council's actions in 2019-2021**

## 1.2 Community and businesses: support low carbon behaviours and circular economy

Action	Time frame	KPI	Achievements
<b>Transportation</b>			
1-2.1.1. Promote alternatives to ICE vehicles	2019 - ongoing	The community and businesses use alternatives to combustion engine vehicles more and more.	Promoted during Global Climate Change week (Oct 19) and Conservation week (Aug 20). Promoted in Midweek articles.
1-2.1.2. Promote fuel-efficient driving techniques	2019 - ongoing	The community is aware of the fuel-efficient driving techniques.	Promoted during Global Climate Change week (Oct 19) and Conservation week (Aug 20). Promoted in Midweek articles.
1-2.1.3. Develop bike lanes	2019 - ongoing	The Climate Change Advisor is in contact with the Five Towns Trails Trust and supports it until the success of the project.	Coordination between the Five Towns Trails officer and Climate Change Advisor. Climate Change Advisor is part of discussions for the Regional Land Transport Plan.
1-2.1.4. Support the development of the EV chargers' network	2020	An application is done in February 2020 (approvals provided late July 2020).	EV charger already present in Featherston (Super Value) and successful application for an EV charger in Carterton (New World). EV charger to be installed in Martinborough (P&K).
<b>Housing</b>			
1-2.2.1. Promote an energy saving behaviour	2019 - ongoing	The community is aware of the energy saving behaviour.	Promoted during Global Climate Change week (Oct 19) and Conservation week (Aug 20). Promoted in Midweek articles.
<b>Love local</b>			
1-2.3.1. Promote locally produced food, goods and services	2019 - ongoing	The community and businesses are aware of alternatives such as farmers market and choose to consume wisely.	Promoted during Global Climate Change week (Oct 19) and Conservation week (Aug 20). Promoted in Midweek articles.
<b>Carbon sequestration</b>			
1-2.5.1. Promote forest preservation and afforestation	2019 - ongoing	The community is aware of the benefice of the forests, protect them and plant trees.	Promoted during Global Climate Change week (Oct 19) and Conservation week (Aug 20). Promoted in Midweek articles.

Action	Time frame	KPI	Achievements
<b>Communication and education</b>			
1-2.6.1. Coordinate the Conservation week	2019 – ongoing	Communication campaigns are held once a year during Climate Change week or Conservation week.	Events held during Global Climate Change week (Oct 19) and Conservation week (Aug 20).
1-2.6.2. Hold a Climate Change stall at local events	2020 – ongoing	The community's awareness towards climate change increases as well as its engagement.	COVID-19 stopped us to do so. Will be done at future events.
1-2.6.3. Educate the children to Climate Change	2020 – ongoing	The councils are engaged with EnviroSchools and actions / programmes are being held with the children.	Support EnviroSchools. Two sessions "How to be a Climate Warriors" were held in October 20 for the School Holiday Programme. Two sessions "Tawashis – the zero waste Japanese sponge" were held in April 21 for the School Holiday Programme.
1-2.6.4. Watch for new scientific publications, laws, rules to keep the community informed	2019 – ongoing	The community is well informed about Climate Change and everyone is able to understand it.	Continuous watch from the climate change advisor. Information shared during Global Climate Change week (Oct 19) and Conservation week (Aug 20). Information shared almost every day through the Facebook page "Climate Change Wairarapa".

**Table 2: Achievements for the community and businesses' actions in 2019-2021**

## 2 Summary of coming actions

### 2.1 Councils: lead by example

	<b>2021-2023</b> Strengthen the engagement towards Climate Change and keep reducing the emissions	<b>2023-2033</b> Achieve and go beyond our targets
<b>1. Councils: lead by example</b>		
1. Council's activities	1-1.1.1. <i>Measure and report on council's emissions</i> 1-1.1.2. <i>Work with GWRC and other TAs</i> 1-1.1.5. <i>Input Climate Change in planning document and strategies</i> 3-1.1.1. Update the Ruamāhanga Strategy 3-1.1.3. Implement a Low Carbon Events policy	1-1.1.1. <i>Ongoing</i> 1-1.1.2. <i>Ongoing</i> 3-1.1.1. <i>Ongoing</i>
2. Transportation	1-1.2.1. <i>Consider other options than ICE vehicle</i> 1-1.2.2. <i>Adopt fuel-efficient driving techniques</i> 3-1.2.1. Update the fleet according to the results of the fleet review	1-1.2.1. <i>Ongoing</i> 1-1.2.2. <i>Ongoing</i> 3-1.2.1. <i>Ongoing</i> 10-1.2.1. Lead a strong fleet vehicle transition to EV
3. Energy consumption	1-1.3.1. <i>Adopt an energy saving behaviour</i> 1-1.3.2. <i>Use LED technology (including streetlights)</i> 3-1.3.1. Lead an energy audits 3.1.3.2. Implement the energy audits	1-1.3.1. <i>Ongoing</i> 1-1.3.2. <i>Ongoing</i> 3.1.3.2. <i>Ongoing</i>
4. Renewable energy	-	10-1.4.1. Investigate photovoltaic 10-1.4.2. Implement the photovoltaic feasibility study
5. 3-waters	1-1.5.1. <i>Reduce reticulated water leaks</i> 1-1.5.3. <i>Reduce storm water and ground water in the sewers</i> 3-1.5.1. Increase the rainwater collection	1-1.5.1. <i>Ongoing</i> 1-1.5.3. <i>Ongoing</i> 3-1.5.1. <i>Ongoing</i>
6. Waste	1-1.6.1. <i>Compost</i> 1-1.6.2. <i>Recycle</i> 1-1.6.3. <i>Optimise the IT (especially paper prints)</i>	1-1.6.1. <i>Ongoing</i> 1-1.6.2. <i>Ongoing</i> 1-1.6.3. <i>Ongoing</i>

	<b>2021-2023</b> Strengthen the engagement towards Climate Change and keep reducing the emissions	<b>2023-2033</b> Achieve and go beyond our targets
7. Carbon sequestration	<i>1-1.7.1. Preserve our forests</i> <i>1-1.7.2. Lead a land assessment to increase tree planting and wetland restoration</i> 3-1.7.1. Increase afforestation 3-1.7.2. Restore wetlands	<i>1-1.7.1. Ongoing</i> 3-1.7.1. Ongoing 3-1.7.2. Ongoing
8. Communication and education	<i>1-1.8.1. Engage the staff in the carbon footprint reduction</i> <i>1-1.8.2. Keep the council's members and staff informed</i>	<i>1-1.8.1. Ongoing</i> <i>1-1.8.2. Ongoing</i>

**Table 3: Summary of the Councils' action plan**

## 2.2 Community and businesses: support low carbon behaviours and circular economy

	<b>2021-2023</b> Strengthen the engagement towards Climate Change and keep reducing the emissions	<b>2023-2033</b> Achieve and go beyond our targets
<b>2. Community and businesses: support low carbon behaviours and circular economy</b>		
<p>Action: Explore and present future opportunities for co-development of the joint Wairarapa Community Climate Change Action Plan to the three Wairarapa District Councils for their consideration.</p> <p>Explanation: Masterton District Council (MDC) is about to start the co-development of the Masterton District Climate Change Action Plan with their community. Once that plan is adopted by the Masterton District Council there will be opportunities for aligning and integrating the actions from both MDC and Ruamāhanga Action Plans into one Wairarapa wide action plan. This will provide for enabling Wairarapa wide climate action whilst still allowing the three district councils to address specific actions within their respective districts. Officers will work collaboratively on presenting the three Councils with potential options for the process and practicalities of how Wairarapa wide action plan can be developed.</p>		
1. Transportation	<p>1-2.1.1. Promote alternatives to ICE vehicles</p> <p>1-2.1.2. Promote fuel-efficient driving techniques</p> <p>1-2.1.3. Develop bike lanes</p>	<p>1-2.1.1. Ongoing</p> <p>1-2.1.2. Ongoing</p> <p>1-2.1.3. Ongoing</p> <p>10-2.1.1. Support a long-term bike hire between the five towns</p> <p>10-2.1.2. Support carpool carparks</p>
2. Housing	<p>1-2.2.1. Promote an energy saving behaviour</p> <p>3-2.2.1. Promote healthy homes and buildings for ratepayers and businesses</p> <p>3-2.2.2. Promote renewable energies for ratepayers and businesses</p> <p>3-2.2.3. Work with the building team to increase houses' health</p> <p>3-2.2.4. Purchase and make available for the community self-assessment kits</p>	<p>1-2.2.1. Ongoing</p>
3. Love Local	<p>1-2.3.1. Promote locally produced food, goods and services</p>	<p>1-2.3.1. Ongoing</p>
4. Waste	<p>Solid waste emits methane which is a strong greenhouse gas (1 ton of methane has the same effect on the climate as 28 tons of carbon dioxide). It is why reducing solid waste is very important (especially food waste).</p> <p>The solid waste reduction is managed by the Regional Zero Waste Advisor; therefore, the actions are not developed in this strategy</p>	
5. Carbon sequestration	<p>1-2.5.1. Promote forest preservation and afforestation</p> <p>3-2.5.1. Support a bank seed across Wairarapa region</p>	<p>1-2.5.1. Ongoing</p>

	<b>2021-2023</b> Strengthen the engagement towards Climate Change and keep reducing the emissions	<b>2023-2033</b> Achieve and go beyond our targets
<b>2. Community and businesses: support low carbon behaviours and circular economy</b>		
<b>6. Communication and education</b>	1-2.6.1. <i>Coordinate the Conservation week</i> 1-2.6.2. <i>Hold a Climate Change stall at local events</i> 1-2.6.3. <i>Educate the children to Climate Change</i> 1-2.6.4. <i>Watch for new scientific publications, laws, rules to keep the community informed</i> 3-2.6.1. <i>Organise the Climate Change biennial</i>	1-2.6.1. <i>Ongoing</i> 1-2.6.2. <i>Ongoing</i> 1-2.6.3. <i>Ongoing</i> 1-2.6.4. <i>Ongoing</i> 3-2.6.1. <i>Ongoing</i>

**Table 4: Summary of the community and businesses’ action plan**

### 3 Coming actions

#### 3.1 Three-year action plan – Strengthen the engagement towards Climate Change and keep reducing the emissions

##### 3.1.1 Councils: lead by example

###### Council’s activities

<b>3- Three-year action plan – Strengthen the engagement towards Climate Change and keep reducing the emissions</b>	
3-1. Councils: lead by example	
3-1.1. Council’s activities	
<b>3-1.1.1. Update the Ruamāhanga Strategy</b>	
Description	The Ruamāhanga Strategy will be updated every three years in order to follow up in the actions already done and set up another set of actions. This action also aims to keep the context and greenhouse gas inventories up to date.
Project management	Climate Change Advisor
Time frame	Every 3 years (starting May 2021)
Key Performance Indicator	The Ruamāhanga Strategy is kept updated.

<b>3- Three-year action plan – Strengthen the engagement towards Climate Change and keep reducing the emissions</b>	
3-1. Councils: lead by example	
3-1.1. Council’s activities	
<b>3-1.1.3. Implement a Low Carbon Events policy</b>	
Description	In order to reduce the carbon footprint of the events organised by the councils, a policy will be implemented. This policy will be developed with the events managers of the councils to make sure that is suitable and that the managers will be able to use it in an appropriate way.
Project management	Event managers
Time frame	2021
Key Performance Indicator	The Policy will be written and used by 2021



Transportation

<b>3- Three-year action plan – Strengthen the engagement towards Climate Change and keep reducing the emissions</b>	
3-1. Councils: lead by example	
3-1.2. Transportation	
<b>3-1.2.1. Update the fleet according to the results of the fleet review</b>	
Description	The fleet vehicle will be update according to the results of the fleet review. Where possible, low carbon vehicle will be preferred (EVs, e-bike, etc). This action aims to significantly reduce the emissions coming from transport.
Project management	Fleet managers
Time frame	2020 – ongoing
Key Performance Indicator	The fleet vehicle is being updated. The emissions coming from transport are decreasing.

Energy consumption

<b>3- Three-year action plan – Strengthen the engagement towards Climate Change and keep reducing the emissions</b>	
3-1. Councils: lead by example	
3-1.3. Energy consumption	
<b>3-1.3.1. Lead and energy audits</b>	
Description	An expert will be contracted to lead energy audits to efficiently reduce the emissions from energy consumption.
Project management	Climate Change Advisor
Time frame	2021-2022
Key Performance Indicator	Energy audits done

<b>3- Three-year action plan – Strengthen the engagement towards Climate Change and keep reducing the emissions</b>	
3-1. Councils: lead by example	
3-1.3. Energy consumption	
<b>3-1.3.2. Implement the energy audits</b>	
Description	Start by the low hanging fruits. This action aims to reduce the emissions from stationary energy and reduce costs (long-term) of energy consumption.
Project management	Will depend on the actions proposed in the energy audits.
Time frame	2024 - ongoing
Key Performance Indicator	Actions are implemented and emissions from stationary energy decrease.

## 3-waters

<b>3- Three-year action plan – Strengthen the engagement towards Climate Change and keep reducing the emissions</b>	
3-1. Councils: lead by example	
3-1.5. 3-waters	
<b>3-1.5.1. Increase the rainwater collection</b>	
Description	Water treatment is a large part of the greenhouse gas emissions. In order to reduce the water consumption, the councils will install water tank to collect rainwater on their premises where possible. This water can be used in the toilets for instance.
Project management	Amenities managers
Time frame	2021 – ongoing
Key Performance Indicator	Water tanks are being installed where possible.

## Carbon sequestration

<b>3- Three-year action plan – Strengthen the engagement towards Climate Change and keep reducing the emissions</b>	
3-1. Councils: lead by example	
3-1.7. Carbon sequestration	
<b>3-1.7.1. Increase afforestation</b>	
Description	According to the results of the land assessment, trees will be planted on suitable location in order to increase carbon reservoirs. The planting could be a community or school project.
Project management	Climate Change Advisor Parks and Reserves managers
Time frame	2022 – ongoing
Key Performance Indicator	The surface of the forests increases as well as the carbon sequestration.

<b>3- Three-year action plan – Strengthen the engagement towards Climate Change and keep reducing the emissions</b>	
3-1. Councils: lead by example	
3-1.7. Carbon sequestration	
<b>3-1.7.2. Restore wetlands</b>	
Description	According to the results of the land assessment, suitable wetlands will be restored in order to increase carbon reservoirs. The restoration could be a community or school project.
Project management	Climate Change Advisor Parks and Reserves managers
Time frame	2022 – ongoing
Key Performance Indicator	Wetlands are being restored and carbon sequestration increases.

3.1.2 Community and businesses: support low carbon behaviours and circular economy

Wairarapa Community Action Plan

Action: Explore and present future opportunities for co-development of the joint Wairarapa Community Climate Change Action Plan to the three Wairarapa District Councils for their consideration.

Explanation: Masterton District Council (MDC) is about to start the co-development of the Masterton District Climate Change Action Plan with their community. Once that plan is adopted by the Masterton District Council there will be opportunities for aligning and integrating the actions from both MDC and Ruamāhanga Action Plans into one Wairarapa wide action plan. This will provide for enabling Wairarapa wide climate action whilst still allowing the three district councils to address specific actions within their respective districts. Officers will work collaboratively on presenting the three Councils with potential options for the process and practicalities of how Wairarapa wide action plan can be developed.

Housing

<b>3- Three-year action plan – Strengthen the engagement towards Climate Change and keep reducing the emissions</b>	
3-2. Community and businesses: support low carbon behaviours and circular economy	
3-2.2. Housing	
<b>3-2.2.1. Promote healthy homes and buildings for ratepayers and businesses</b>	
Description	Climate Change Advisor in collaboration with appropriate stakeholders will develop two flyers to promote healthy homes and buildings. The first flyer will be intended to ratepayers and the second to businesses. This action aims to engage the community and businesses into reducing their emissions through healthy homes and buildings.
Project management	Climate Change Advisor Communication managers
Time frame	2021
Key Performance Indicator	The flyers are done and widely known by the community and businesses.

<b>3- Three-year action plan – Strengthen the engagement towards Climate Change and keep reducing the emissions</b>	
3-2. Community and businesses: support low carbon behaviours and circular economy	
3-2.2. Housing	
<b>3-2.2.2. Promote renewable energies for ratepayers and businesses</b>	
Description	Climate Change Advisor in collaboration with appropriate stakeholders will develop two flyers to promote renewable energies. The first flyer will be intended to ratepayers and the second to businesses. This action aims to engage the community and businesses into reducing their emissions by preferring renewable energies.
Project management	Climate Change Advisor Communication managers
Time frame	2021
Key Performance Indicator	The flyers are done and widely known by the community and businesses.

<b>3- Three-year action plan – Strengthen the engagement towards Climate Change and keep reducing the emissions</b>	
3-2. Community and businesses: support low carbon behaviours and circular economy	
3-2.2. Housing	
<b>3-2.2.3. Work with the building team to increase houses' health</b>	
Description	Collaboratively with the team building, implements techniques that will increase the houses' health (such as mentioning certification (Homefit, Homestar) on the LIM reports).
Project management	Climate Change Advisor Building managers
Time frame	2022
Key Performance Indicator	Techniques to increase the houses' health have been investigated and implemented.

<b>3- Three-year action plan – Strengthen the engagement towards Climate Change and keep reducing the emissions</b>	
3-2. Community and businesses: support low carbon behaviours and circular economy	
3-2.2. Housing	
<b>3-2.2.4. Purchase and make available for the community self-assessment kits</b>	
Description	These kits will allow residents and businesses to understand how their houses and/or buildings performs (heat losses, devices efficiency, etc). This will give support to the residents and businesses to make changes and increase the efficiency of their houses and/or buildings. Therefore, it will help reduce the emissions from buildings in the region.
Project management	Climate Change Advisor Library managers
Time frame	2022
Key Performance Indicator	The self-assessment kits are available for free at each library in Wairarapa Region.

<b>3- Three-year action plan – Strengthen the engagement towards Climate Change and keep reducing the emissions</b>	
3-2. Community and businesses: support low carbon behaviours and circular economy	
3-2.2. Housing	
<b>3-2.2.5. Support the Wairarapa Healthy Homes Programme</b>	
Description	Support the Wairarapa Healthy Homes Programme (including financial support).
Project management	Group Manager, Partnerships and Operation Community Services Manager
Time frame	2021 - ongoing

## Carbon sequestration

<b>3- Three-year action plan – Strengthen the engagement towards Climate Change and keep reducing the emissions</b>	
3-2. Community and businesses: support low carbon behaviours and circular economy	
3-2.5. Carbon sequestration	
<b>3-2.5.1. Support a bank seed across Wairarapa region</b>	
Description	Provide a stand at each library for people to share their seeds. Provide a proper communication around this initiative will ensure the success of the seed bank.
Project management	Climate Change Advisor Communication managers
Time frame	2021
Key Performance Indicator	The seed bank is established.

## Communication and education

<b>3- Three-year action plan – Strengthen the engagement towards Climate Change and keep reducing the emissions</b>	
3-2. Community and businesses: support low carbon behaviours and circular economy	
3-2.6. Communication and education	
<b>3-2.6.1. Organise the Climate Change biennial</b>	
Description	The Climate Change Advisor will organise the Climate Change biennial in collaboration with appropriate stakeholders. This event aims to increase the awareness, understanding and engagement of Climate Change by the community.
Project management	Climate Change Advisor Communication managers
Time frame	2022 – ongoing
Key Performance Indicator	The first biennial is held in 2022.

### 3.2 Ten-year action plan – Achieve and go beyond our targets

#### 3.2.1 Councils: lead by example

##### Transportation

<b>10- Ten-year action plan – Achieve and go beyond our targets</b>	
10-1. Councils: lead by example	
10-1.2. Transportation	
<b>10-1.2.1. Lead a strong fleet vehicle transition to EV</b>	
Description	Following the action 3-1.2.1. <i>Update the fleet according to the results of the fleet review</i> , the councils may lead a stronger transition to EVs in order to significantly reduce their emissions.
Project management	Fleet managers
Time frame	2030

##### Renewable energy

<b>10- Ten-year action plan – Achieve and go beyond our targets</b>	
10-1. Councils: lead by example	
10-1.4. Renewable energy	
<b>10-1.4.1. Investigate photovoltaic</b>	
Description	The Climate Change Advisor, helped with an expert, will study the feasibility of photovoltaic on the councils’ buildings and other assets (such as streetlights)
Project management	Climate Change Advisor
Time frame	2024-2025
Key Performance Indicator	Potential sites identified to install photovoltaic.

<b>10- Ten-year action plan – Achieve and go beyond our targets</b>	
10-1. Councils: lead by example	
10-1.4. Renewable energy	
<b>10-1.4.2. Implement the photovoltaic feasibility study</b>	
Description	When and where possible, the councils will transition from grid power to photovoltaic. This action aims to reduce the stationary emissions.
Project management	Amenities managers
Time frame	2026 - ongoing
Key Performance Indicator	Solar panels are being installed when and where possible.

3.2.2 Community and businesses: support low carbon behaviours and circular economy

Transportation

<b>10- Ten-year action plan – Achieve and go beyond our targets</b>	
10-2. Community and businesses: support low carbon behaviours and circular economy	
10-2.1. Transportation	
<b>10-2.1.1. Support a long-term bike hire between the five towns</b>	
Description	Alongside with the action 1-2.1.3. <i>Develop bike lanes</i> , the councils may support a long-term bike hire facility in order to increase the usage of bikes between the five towns therefore, to reduce the emissions.
Time frame	2030

<b>10- Ten-year action plan – Achieve and go beyond our targets</b>	
10-2. Community and businesses: support low carbon behaviours and circular economy	
10-2.1. Transportation	
<b>10-2.1.2. Support carpool carparks</b>	
Description	The councils may support carparks dedicated to car-poolers (especially in Featherston where people commute to Wellington).
Time frame	2030