

# ENVIRONMENTAL PORTFOLIO



2023 Progress Update

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## INTRODUCTION

One of the five themes in the Town of Stony Plain's Municipal Development Plan is Environmental Responsibility. To implement this theme, in 2021 the Town developed its first Environmental Master Plan (EMP) to establish an environmental stewardship vision and policies for Stony Plain. Key goals of the EMP were to provide direction towards greater environmental stewardship, and outline actions to work towards stewardship of the natural environment within the Town for current and future generations.

From this work, the Town renewed the Environmental Stewardship Strategy (ESS) in 2021 to establish an implementable action plan to progress environmental goals and achieve the vision identified in the EMP. The ESS includes the Town's Environmental Portfolio, which is a list containing all environmental initiatives that are led by the Town of Stony Plain or are planned to take place in the future; each initiative has an overarching goal that implementation would achieve. Initiatives are grouped into the following categories:

- **Ongoing Initiatives** – initiatives that continue to be undertaken by the Town each year;
- **Action Plan Initiatives** - new, higher priority initiatives that can be completed by the Town as capacity and resources are available;
- **Beyond the Action Plan** - actions with merit that are not currently included in the Action Plan or proposed by external parties and can be considered in the future; and
- **External Initiatives** - regional, provincial, or federal actions to be supported by the Town, or undertaken in partnership by the Town and external parties.

## PURPOSE OF THE ANNUAL UPDATE

With the EMP and renewed ESS in place, monitoring and reporting on environmental initiatives is essential to track progress towards environmental goals. This report provides the third annual update to the Environmental Portfolio that includes the status of current initiatives and goals, as well as new initiatives that were added to the portfolio, or existing initiatives that moved up or down in priority or were removed from the portfolio based on work done over the year or due to changes in context and decisions by partners.

The 2023 Environmental Portfolio update provides a summary of changes and additions resulting from implementation progress between January and December 2023.

*Appendix A* presents the updated Environmental Portfolio and includes all initiatives and the progress, changes, additions, and removals that resulted in 2023. Major changes are highlighted below by category with specific details to emphasize what is new, trending, or significant for the work that took place in 2023 or is planned for 2024.



## NOTABLE INITIATIVE UPDATES

- **MicroHabitat Urban Farm** - The Town enlisted MicroHabitat, an urban agriculture company, to install and operate an urban farm at the Stony Plain Golf Course as part of the Urban Agriculture Plan implementation. Produce grown in the 30 farm pots in 2023 was donated to the Parkland Food Bank.
- **Extended Producer Responsibility Program (EPR)** - Administration reviewed the program and registered the Town to participate in the first intake in 2024. EPR is a waste management model in which a Producer's responsibility for a product is extended to the post-consumer stage of the product's life cycle. Producers are responsible for managing the waste created by goods they produce. Alberta's EPR legislation came into force in November 2022. Added to External Initiatives as a new initiative.
- **Purchase of Electric Vehicles** - The Town purchased two fully electric Kia Niro vehicles in 2023 with grant funding from the Electric Vehicles for Municipalities program distributed by the Municipal Climate Change Action Centre. Added to Action Plan Phase 3 as a new initiative.
- **Tire Recycling** - In August 2023 a tire recycling pilot was introduced at the Rotary Recycling Centre. A total of 760 tires (11,870 kg) were dropped off by residents in 2023.
- **Edmonton Metropolitan Transit Services Commission** - Disbanded in December 2022. In January 2023, Stony Plain Transit transitioned to a local / regional on-demand system. In a partnership with the City of Spruce Grove and Parkland County, the on-demand system provides access across the Tri-Municipal region as one large zone servicing Stony Plain, Spruce Grove, Parkland Village, and Acheson Industrial Park.
- **Recreation Centre Design** - The new Recreation Centre is targeted to be a net-zero energy building. Plans to achieve this include heating and cooling being provided through ground source heat pumps and an associated geothermal loop and building in solar panel readiness and hot water provision through electric based heaters to transition to these technologies in the future.
- **Public Works Building** - The proposed Public Works building design incorporates solar readiness, energy efficiency, LED lighting, and upgraded power service to accommodate electric fleet charging.
- **Rotary Park LED** - Ten streetlights formerly along Main Street have been converted to LED and installed at Rotary Park. In addition one solar powered LED light has been installed at each highway entrance to the town.

## SUMMARY OF CHANGES

As municipal project work is completed, it is common for opportunities to arise that were not initially contemplated when a project began. As a result, additional initiatives are often added as they are implemented to address current needs and changing priorities related to ongoing projects and capture new opportunities. In other circumstances, initiatives may be removed if they are deemed to be unsuitable or unfeasible, or moved from one category to another if their priority level shifts or the expected timing of completion changes. More often there are small changes to an initiative to revise it based on Town priorities or changes in the general social context, technological changes, or work by partners in the region.

In 2023, there were three additions, one move and no removal of initiatives in the Environmental Portfolio. There were also small changes to two initiatives to revise them:

**Town Vehicle Fuel Efficiency Policy** - The increasing availability and cost effectiveness of electric vehicles is making the purchase of electric vehicles more viable as an alternative to internal combustion vehicles. This initiative has been revised to add consideration of electric vehicles when the policy is reviewed. A new related initiative was also added regarding purchase of electric vehicles.

**Tri-Municipal Waste Commission** - Consideration of recycling was removed from this initiative and added as the new Extended Producer Responsibility Program initiative that will take over the collection and processing of recycling in Alberta for municipalities that register. The Town will still participate and explore opportunities for general and organic waste with a Tri-Municipal Waste Commission.

## Additions

There were three initiatives added to the Environmental Portfolio in 2023:

**Urban Agriculture** - This Land themed initiative was added to recognize the ongoing work, projects, and programs that result from the implementation of the Urban Agriculture Plan (UAP). It was added to Ongoing Initiatives to track and monitor the status of various work over time.

**Purchase of Electric Vehicles** - To recognize the Town's purchase of two fully electric Kia Niro vehicles in 2023 this was added to the Action Plan Phase 3. The goal of this Air themed initiative is to promote improvement of air quality and support electric vehicle adoption.

**Extended Producer Responsibility Program** - This Waste themed initiative was added to the External Initiatives to recognize that the Town has reviewed and registered to participate in the EPR program that was initiated and will be driven by the Provincial Government and the Producer Organizations involved.

## Moves

There was one initiative that was moved within the Environmental Portfolio in 2023:

**The Regional Agricultural Master Plan (RAMP) Implementation** - This initiative was moved from Ongoing Initiatives to Action Plan Phase 3 to recognize that once the required RAMP policy direction is incorporated into Stony Plain's Municipal Development Plan in 2024, this initiative will be complete and there is no need or plan for ongoing work.

## Removals

There were no removals in the Environmental Portfolio in 2023.



## STATUS OF INITIATIVES

The status of all initiatives in the Environmental Portfolio can be found in *Appendix A* under the *2023 Status Updates* column. Each initiative notes whether it is inactive, underway, or complete with brief information about the status.

Information for initiatives advanced in 2023 or where status changed are presented below:

### Ongoing Initiatives

Information on Ongoing Initiatives where there has been a significant change, update, or goal achieved are noted below. Note that because an Ongoing Initiative is not listed below does not mean that it has ceased. All Ongoing Initiatives continue to be undertaken and achieving the goals outlined for them.

#### Energy

**Trail LED and Solar Lighting** - the program was launched in 2012 to install six lights per year for three years. Since then, ongoing work and installation has brought the total number of lights to 27. The Town continues to monitor the lighting throughout the town to identify areas of improvement or required replacements. Current solar lighting installed in the town includes:

- 6 solar lights around playgrounds
- 19 solar lights along Whispering Waters Creek from Meridian Heights to Woodlands.
- 10 LED lights at Rotary Park (converted streetlights from Main Street)
- 1 LED solar LED light at each highway entrance sign

#### Land

**Arbour Day** - A favorite annual community event that has taken place since 2010. In 2023 residents and volunteers planted 27 new trees at Oatway Park. This year's event was combined with Neighbour Day to celebrate green spaces, neighbourliness, and community.

**Urban Agriculture** - The Town developed the first Urban Agriculture Plan in the region in 2022; stemming from the Edmonton Metropolitan Region Board's (EMRB) Regional Agriculture Master Plan (RAMP). Implementation began in 2023 and with this, a new Urban Agriculture initiative has been created as an Ongoing Initiative to track related work.

Work in 2023 included the MicroHabitat Urban Garden that will continue until 2025, and future work on incorporating RAMP requirements into the Municipal Development Plan is planned for next year.

Details on the MicroHabitat Urban Garden work include:

- the Town enlisted MicroHabitat, an urban agriculture company, to install and operate an urban farm at the Stony Plain Golf Course;
- 30 temporary urban farming pots were installed and approximately 30 varieties of vegetables, herbs, and flowers were grown;
- produce grown at the farm was donated to the Parkland Food Bank;
- two free public workshops, (an Introduction to Urban Ecological Farming virtual workshop and Fall Garden Closing in person workshop) were held to educate residents about urban farming and help them with their gardening questions; and
- Stony Plain's urban farm was featured on an episode of Green Energy Futures, an environmental podcast and YouTube channel (<https://www.greenenergyfutures.ca/episode/microhabitat-local-food-30-pots-at-a-time>).

## Air

**Limit Vehicle Idling** - Community Peace Officers actively respond to instances of air pollution from idling, including three files in 2023.

**Restrict Open Burning** - The Stony Plain Fire Department actively responds to wildland fires (unplanned, uncontrolled, and unpredictable fires), including 35 calls within town limits in 2023.

## Water

**Groundwater Filled Skating Rinks** – Groundwater continues to be used for outdoor rinks, except for Centennial which draws from the Glenn Hall Arena.

## Waste

**Recycling and Organics Program** - Through the Town's Recycling and Composting Programs, our community achieved a 50% waste diversion rate with weekly collection, due to 484 tonnes of blue bag material and 1,879 tonnes of organic material being diverted out of 4,761 tonnes of total material collected.

**The Rotary Recycling Centre** – The center continued its electronic waste pilot program, allowing residents to recycle even more types of electronic waste, such as power tools, small kitchen appliances and audio-visual equipment. In total 652 tonnes of recyclable materials, 262 tonnes of organics, and 107 tonnes of waste were collected by the Recycling Centre.

**Pitch-In Week** - Participation this year was great, with 483 volunteers and three schools helping clean up 24 areas of the community.



## Action Plan Initiatives

Action Plan phases are intended to be completed in sequential order; there may however be years where initiatives from other phases are initiated before the previous phase is fully completed. This will occur based on changing priorities or when new opportunities arise.

### Initiated in 2023

**Small Scale Urban Gardening** - The Town enlisted MicroHabitat, an urban agriculture company, to install and operate an urban farm at the Stony Plain Golf Course. Produce grown at the farm was donated to the Parkland Food Bank. This work is also noted in the new ongoing Urban Agriculture Initiative.

**Explore New Water Meters** - Water Meter Replacement Program will start in 2024 with a Program Study. This and future replacement scheduled for 2024-2026 in the 2024-2026 Corporate Plan. It has been added as a new Phase 3 Action Plan initiative.

**Implement Energy Saving Recommendations in Municipal Buildings** - More than 40 lighting fixtures across all Town properties were changed from fluorescent to LED in 2023 as part of the facilities maintenance program as a start to implementing recommendations.

**Purchase of Electric Vehicles** – This new initiative acknowledges that the Town purchased two fully electric Kia Niro vehicles in 2023 with grant funding from the Electric Vehicles for Municipalities program distributed by the Municipal Climate Change Action Centre.

### Underway in 2023

**Explore solar infrastructure on new Town buildings** - with the new Recreation Centre and the Public Work Building both include solar and solar readiness in the designs.

**Greenspace Plan** - work is ongoing to develop this plan.

**Regional Agricultural Master Plan (RAMP) Implementation** - The Regional Agricultural Master Plan from the EMRB as well as Stony Plain's Urban Agriculture Plan have been completed. Work is being done to update the Town's Municipal Development Plan to recognize this as the last step for this initiative.

## Completed in 2023

**Parks and Open Space Guidelines** - were completed in 2023 and are available to the public and the development industry on the Town's website.

**Purchase of Electric Vehicles** - The Town purchased two fully electric Kia Niro vehicles in 2023 with grant funding from the Electric Vehicles for Municipalities program distributed by the Municipal Climate Change Action Centre.

TABLE 1: ACTION PLAN PROGRESS

Action Plan Phase	Initiatives Underway	Initiatives Completed	Completion
1	1/8	4/8	50%
2	1/8	1/8	13%
3	1/4	1/4	25%
4	1/2	0/2	0%
5	1/2	0/2	0%
<b>TOTAL PLAN</b>	<b>5/24</b>	<b>6/24</b>	<b>25%</b>



## External Initiatives

Planning and Development staff continued to represent Stony Plain on the Capital Region Municipal Sustainability Group, Edmonton Energy Transition Learning Network, Edmonton Region Waste Advisory Committee, and various EMRB collaboratives. These groups foster productive collaboration across the Capital Region and ensure alignment with current regional initiatives. Town staff also participate in external initiatives through specific projects coordinated by other levels of government, such as Alberta's new extended producer responsibility work.

**Tri-Municipal Waste Commission** - Regional discussions continues on a waste commission; Town staff participating in regional groups regarding waste and a regional waste commission include:

EMRB Solid Waste Collaborative to support this work. This included development of a Solid Waste Data Strategy to better define governance structure and determine how stakeholders can continuously improve data and manage data flow together.

EMRB Regional Organics Collaborative including participation in stakeholder engagement sessions to present the Town's current organic waste management programs and thoughts from the Town on how the region could better manage organic waste. This is the first step in the EMRB process to create a Regional Organics Strategy.

**Edmonton Metropolitan Region Transit System** - Disbanded in December of 2022. In January 2023, Stony Plain Transit transitioned to a local / regional on-demand system. In a partnership with the City of Spruce Grove and Parkland County, the on-demand system provides access across the Tri-Municipal region as one large zone servicing Stony Plain, Spruce Grove, Parkland Village, and Acheson.

**Residential Waste Audit** - An audit was completed in 2022 by Green For Life, the Town's waste contractor with a report prepared.

**Investigate Options for Recycling Styrofoam and Glass** - The Town is exploring the possibility of recycling these materials under the new EPR program.

**Extended Producer Responsibility Program** - Extended producer responsibility (EPR) was added in 2023 as an implementation of the Provincial Government legislation passed in 2022. EPR is a waste management model in which a Producer's responsibility for a product is extended to the post-consumer stage of the product's life cycle. Producers are responsible for managing the




waste created by goods they produce. Alberta's EPR legislation came into force in November 2022. Administration reviewed the program and registered the Town to participate in the first intake in 2024. This will result in significant changes to recycling collection with this service being transferred from the Town's responsibility over to Producer Organizations.

## **Other External Collaborations**

Town Planning Staff represented and worked with the Climate Risk and Vulnerability Assessment Collaborative. This includes development of a Climate Risk and Vulnerability Assessment (CRVA), which serves to inform future adaptation action to reduce risk. The intention is to identify opportunities to collaboratively address climate risks within the region, leveraging on similarities in climatic and geographic characteristics, as well as interdependent infrastructure, assets, and economies. This will facilitate a coherent response to climate risks across the region, avoid duplication of efforts, and prevent situations where actions in one jurisdiction adversely impact others in the region. The CRVA was formally adopted by the EMRB in December of 2023.

Staff also participated in the EMRB Stormwater Collaborative. Their mandate includes predicting rainfall generation and considering climate change over the last 30 years, to ensure infrastructure is designed to withstand the impacts of today's storms, and to predict which areas are most vulnerable. Part of this work included providing input and reviewing the EMRB Stormwater Action Plan 2023.

## APPENDIX A: UPDATED ENVIRONMENTAL PORTFOLIO

	Initiative	Description	Supported Goal	2023 Status Update
	<b>ONGOING INITIATIVES</b>			
	LED Traffic Light Replacement Program	Replace older non-energy-efficient traffic lights with modern LED lighting	<i>Establish the Town's corporate GHG emissions and determine an achievable emissions reduction target.</i>	<b>ONGOING</b> 10 LED traffic lights have been replaced along Main Street and converted for installation at Rotary Park.
	Trail Solar Lighting	Implement solar lighting along trails.	<i>Promote and implement renewable Energy.</i>	<b>ONGOING</b> One LED solar light was installed at each highway entrance sign in 2023.
	Arbour Day	Plant trees in under vegetated areas each year to promote the health of the urban forest.	<i>Promote the conservation and enhancement of natural ecosystems and urban forests.</i>	<b>ONGOING</b> 27 new trees planted at Oatway Park in 2023.
	Urban Agriculture*	Promotion and creation of urban agriculture activities throughout the Town.	<i>Contribute to regional food security initiatives.</i>	<b>ONGOING</b> MicroHabitat Urban Farm was started in 2023 and planned to operate until 2025.
	Limit Vehicle Idling	Limit vehicle idling in the Traffic Bylaw to less than 30 minutes, unless exempted.	<i>Establish and maintain bylaws and monitoring systems to minimize air pollution.</i>	<b>ONGOING</b> Community Peace Officers responded to three idling incidents in 2023.
	Restrict Open Burning	Prevent the burning of materials that contribute to		<b>ONGOING</b> The Stony Plain Fire Department issued 13 burn permits




Initiative	Description	Supported Goal	2023 Status Update
	pollution through the Open Burning Bylaw.		(agricultural fringe areas) and responded to 35 wildland fire calls within town limits in 2023.
Air Monitoring Station	View real time data on air quality in the town through the air monitoring station.		<b>ONGOING</b> Ongoing data collection.
Tri-Municipal Rain Barrel Sale	Offer rebates on rain barrels at the annual Rain Barrel Sale to incentivize reuse of rainwater.	<i>Reduce stormwater runoff.</i>	<b>ONGOING</b> Rain barrels sale was held in 2023.
Heritage Park Pavilion Water Collection	Collect and reuse of water on-site to reduce water consumption for grounds maintenance at Heritage Park.		<b>ONGOING</b> Water collected continues to be used for grounds and maintenance applications.
Groundwater Filled Skating Rinks	Use groundwater instead of treated municipal water when filling skating rinks to reduce water consumption.	<i>Establish municipal and community water consumption levels and determine an achievable water consumption reduction target.</i>	<b>ONGOING</b> Groundwater continues to be used for outdoor rinks, except for Centennial which draws from the Glenn Hall Arena.
Safe Hydrant Flushing	Use dichlorination pucks when flushing fire hydrants to protect stream courses and stormwater management facilities.	<i>Protect and improve stormwater quality.</i>	<b>ONGOING</b> All hydrant flushing continues to be dechlorinated before entering the stormwater system.
Recycling and Organics Program	Collect municipal recycling and organics alongside waste collection.	<i>Achieve 70% waste diversion from landfills by 2030.</i>	<b>ONGOING</b> 484 t of blue bag material 1,879 t of organic material 2,397 t of residential waste material collected in 2023.

Initiative	Description	Supported Goal	2023 Status Update
			Resulting in a 50% diversion rate for non-waste materials collected through curbside pick-up.
Rotary Recycling Centre	Provide a place for residents to drop off recyclables that are not accepted through regular curbside pick-up.		<b>ONGOING</b> 652 t of blue bag material, 262 t of organics collected in 2023
Shred-It Event	Provide residents and business owners with an easy and accessible opportunity to recycle sensitive documents.		<b>ONGOING</b> 166 residents attended resulting in 4,612 lbs of paper shredded.
Recycle Coach App	Educate residents on what household materials are recyclable.		<b>ONGOING</b> 4,279 users in 2023 321 new users, 2,729 material searches
Concrete Recycling	Recycle concrete waste that is not useable.		<b>ONGOING</b> Clean, rebar free concrete is accepted to the Town year-round, and is crushed and recycled every ten years
Christmas Tree Drop-Off	Allow residents to drop-off Christmas trees at the Rotary Recycling Centre.	<i>Encourage community awareness and action on waste management.</i>	<b>ONGOING</b> Annual Christmas tree collection was provided to the community between December 23, 2023, and January 22, 2024

Initiative	Description	Supported Goal	2023 Status Update
Treasure Hunt & Large Item Drop-Off	Recycle large items on the curb and allow other residents to collect them.		<b>ONGOING</b> Continues to be a successful event for rehousing used items and diverting them from the landfill.
Pitch-In Week	Collect garbage with community members to reduce the amount of litter in the town.		<b>ONGOING</b> Approximately 483 volunteers and 3 schools participated in Pitch-In Week 2023 to help clean up various areas throughout Town.
Expand the 'Don't Just Trash It' campaign	Expand the 'Don't Just Trash It' campaign to educate residents on proper waste management.		<b>ONGOING</b> Social media campaign ran all year and is scheduled to continue in 2024.

#### ACTION PLAN (PHASE 1)

	Gather Municipal Building Energy Consumption Data	Track and monitor the energy consumption of municipal buildings to understand municipal energy consumption.	<i>Establish the Town's corporate GHG emissions and determine an achievable emissions reduction target.</i>	<b>COMPLETE</b> Municipal Energy Manager conducted energy audits for five municipal sites; new initiative proposed to complete recommendations from this work.
	Explore Solar Infrastructure on New Town Buildings	Explore solar infrastructure opportunities on the new recreation facility and Public Works building.	<i>Promote and implement renewable energy.</i>	<b>UNDERWAY</b> Planned Public Works building incorporates solar readiness, energy efficiency, LED lighting, and capacity for electric fleet charging.



Initiative	Description	Supported Goal	2023 Status Update
			Designs for the new Recreation Centre include ground source heat pumps and infrastructure to install solar panels and electric hot water in the future to target net-zero operation.
Parks and Open Space Guidelines	Establish guidelines and standards for the acquisition, development, and management of parks and open spaces.		<b>COMPLETE</b> Guidelines have been created and are available to the public.
Greenspace Plan	Develop a greenspace plan to establish a green network that creates and specifies categories for different types of greenspaces, identifying suitable uses and management practices for each category.	<i>Promote the conservation and enhancement of natural ecosystems and urban forests.</i>	<b>UNDERWAY</b> Greenspace Analysis took place in 2023. Further work is needed to develop a plan stemming from this analysis.
Urban Forest Management Plan	Develop an Urban Forest Management Plan to manage and monitor urban forest health.	<i>Promote the conservation and enhancement of natural ecosystems and urban forests.</i>	<b>INACTIVE</b> Urban Forest Strategy scheduled for 2026 in the 2024-2026 Corporate Plan.
Arbour Day Corporate Sponsorship	Seek corporate sponsorships for Arbour Day to increase tree planting capacity.		<b>INACTIVE</b> Expected to commence in 2024.
Explore Urban Agriculture Feasibility	Explore urban agriculture opportunities such as backyard beekeeping and chickens.	<i>Contribute to regional food security initiatives.</i>	<b>COMPLETE</b> Creation of the Urban Agriculture Plan (UAP) has explored the feasibility of urban agriculture types. Specific initiatives being implemented




Initiative	Description	Supported Goal	2023 Status Update
			from the UAP will be added to the Environmental Portfolio, when appropriate.
Create an Environmental Webpage and Online Brochure	Create a webpage and online brochure educating residents on environmental topics and initiatives (energy-efficiency upgrades, provincially regulated invasive species, solar, etc.)	<i>Promote and implement renewable energy. Establish municipal and community water consumption levels and determine an achievable water consumption reduction target.</i>	<b>COMPLETE</b> Environmental Stewardship webpage is live on the Town website

#### ACTION PLAN (PHASE 2)




Town Vehicle Fuel Efficiency Policy*	Amend the Town Vehicle Policy to incorporate criteria for fuel efficiency and electric vehicles where it makes sense.	<i>Establish the Town's corporate GHG emissions and determine an achievable emissions reduction target.</i>	<b>INACTIVE</b> Not started.
Town Building Solar Energy Policy	Develop a solar energy policy for Town-owned buildings to encourage the use of solar infrastructure.	<i>Promote and implement renewable energy.</i>	<b>INACTIVE</b> Not started.
Municipal Energy Manager Program		<i>Establish the Town's corporate GHG emissions and determine an achievable emissions reduction target.</i>	<b>COMPLETE</b> Position was filled and work was conducted in 2022.
Trails Master Plan Update	Update the Trails Master Plan to incorporate findings of the Active Transportation Strategy.	<i>Promote the conservation and enhancement of natural ecosystems and urban forests.</i>	<b>INACTIVE</b> Not started.



Initiative	Description	Supported Goal	2023 Status Update
Environmentally Significant Area Study	Conduct an environmentally significant area study in the Future Development District.		<b>INACTIVE</b> Not started.
Explore Expanding Community Gardens	<i>Explore new and expansions to existing community gardens through local partners such as the Multicultural Heritage Centre.</i>	<i>Contribute to regional food security initiatives.</i>	<b>INACTIVE</b> Not started.
Small-scale Urban Gardening	<i>Work with urban farming experts to use underutilized Town land for urban garden plots.</i>	<i>Contribute to regional food security initiatives.</i>	<b>UNDERWAY</b> MicroHabitat Urban Farm started in 2023 and will continue until 2025.
 Rotary Park Well for Skating Rinks and Watering	Drill a new well at Rotary Park to use groundwater to fill the skating rink and for general watering for landscaping.	<i>Establish municipal and community water consumption levels and determine an achievable water consumption reduction target.</i>	<b>INACTIVE</b> Not started.

### ACTION PLAN (PHASE 3)

	Solar Feasibility Study	Conduct a solar feasibility study to understand what areas of the town are most suitable for solar opportunities.	<i>Promote and implement renewable energy.</i>	<b>INACTIVE</b> Not started.
	Implement Energy Saving Recommendations in Municipal Buildings	<i>Implement recommendations from the Municipal Energy Manager to reduce municipal building energy consumption</i>	<i>Establish the Town's corporate GHG emissions and determine an achievable emissions reduction target</i>	<b>UNDERWAY</b> More than 40 lighting fixtures across all Town properties were changed from fluorescent to LED in 2023 as part of the facilities maintenance program.



Initiative	Description	Supported Goal	2023 Status Update
Purchase of Electric Vehicles*	The Town purchase electric vehicles as a supplement or to replace the existing fleet.	<i>Promote and implement renewable energy.</i>	<b>COMPLETE</b> Purchase of two electric vehicles in 2023.
Tree Planting Program for Local Groups	Working with local groups on tree reforestation opportunities on municipal land.	<i>Promote the conservation and enhancement of natural ecosystems and urban forests.</i>	<b>INACTIVE</b> Not started.
Regional Agricultural Master Plan (RAMP) Implementation*	Support the creation, implementation, and realization of the Regional Agricultural Master Plan.	<i>Contribute to regional food security initiatives.</i>	<b>UNDERWAY</b> Stony Plain participated the creation of the RAMP which was approved in August 2021. An update to our MDP to incorporate RAMP will take place in 2024.

#### ACTION PLAN (PHASE 4)



Willow Park Natural Area Revegetation	Revegetate barren and maintained portions of Willow Park Natural Area.	<i>Promote the conservation and enhancement of natural ecosystems and urban forests.</i>	<b>INACTIVE</b> Not started.
Explore New Water Meters*	Increase water conservation opportunities with new water meters.	<i>Establish municipal and community water consumption levels and determine an achievable water consumption reduction target.</i>	<b>UNDERWAY</b> Water Meter Replacement Program will start in 2024 with a Program Study. This and future replacement scheduled for 2024-2026 in the 2024-2026 Corporate Plan.



#### ACTION PLAN (PHASE 5)



Initiative	Description	Supported Goal	2023 Status Update
Water Use Study	Conduct a water use study to create and implement a water conservation strategy.	<i>Establish municipal and community water consumption levels and determine an achievable water consumption reduction target.</i>	<b>INACTIVE</b> Not started.
Develop a Rebate Strategy	Develop a rebate strategy for rebate opportunities around energy and water consumption.	<i>Promote and implement renewable energy. Establish municipal and community water consumption levels and determine an achievable water consumption reduction target.</i>	<b>INACTIVE</b> Not started.



#### EXTERNAL



Edmonton Metropolitan Region transit system	Work with regional transit partners to provide a regional transit network.	<i>Promote and implement alternative transportation modes.</i>	<b>COMPLETE</b> EMRB Regional Transit Commission disbanded. Town will continue to partner and operated in the tri-region.
Tri-Municipal Waste Commission*	Promote regional collaboration and explore regional waste opportunities.	<i>Achieve 70% waste diversion from landfills by 2030. Achieve 70% waste diversion from landfills by 2030.</i>	<b>UNDERWAY</b> Regional discussions continue, no specific action identified.
Residential Waste Audit	Conduct a residential waste audit to understand current community waste diversion rates.		<b>COMPLETE</b> An audit was completed in 2022 by Green For Life, the Town's waste contractor with a report prepared.
Investigate Options for Recycling Styrofoam and Glass	Investigate recycling opportunities of Styrofoam and glass to encourage waste diversion.		<b>UNDERWAY</b> Stony Plain is exploring the possibility of recycling these



Initiative	Description	Supported Goal	2023 Status Update
			materials under the new EPR program.
Adopt a Single-use Plastic Bylaw	Adopt a single-use plastics bylaw to reduce production of single-use plastic waste and encourage reusable materials.		<b>UNDERWAY</b> Research is being conducted by the provincial government.
Extended Producer Responsibility Program*	Explore and consider participation in Extended Producer Responsibility (EPR) program introduced by the Provincial Government in 2022		<b>UNDERWAY</b> The Town has registered with the EPR program and is working to setup collection.

#### BEYOND ACTION PLAN



Conduct Community Energy Audit	Conduct a community energy audit and develop a baseline of community GHG emissions to develop feasible reduction targets.	Establish the Town's community GHG emissions and determine an achievable emissions reduction target.	<b>INACTIVE</b> Not started.
Explore Enhanced Native and Edible Vegetation Planting	Explore incorporating more native and edible tree and shrub species when planting on Arbour Day.	<i>Promote the conservation and enhancement of natural ecosystems and urban forests.</i>	<b>INACTIVE</b> Not started, expected to start in 2024.
Join the Alberta Capital Airshed	Join the Alberta Capital Airshed to learn more about promoting and ensuring safe air quality in the community.	<i>Educate the community on air quality issues.</i>	<b>INACTIVE</b> Not started.
Establish a Fine Particulate Matter Sensor Station	Partner with the Alberta Capital Airshed to establish and monitor for fine particulate matter to mitigate air pollution.	<i>Establish and maintain bylaws and monitoring systems to minimize air pollution.</i>	<b>INACTIVE</b> Not started.

Initiative	Description	Supported Goal	2023 Status Update
Launch Anti-idling Campaign	Launch an anti-idling campaign to encourage less vehicular idling.	<i>Educate the community on air quality issues.</i>	<b>INACTIVE</b> Not started.
Conduct a Noise Acoustic Study	Conduct a noise acoustic study alongside Highways 16A, 628, and 779, and the CN Rail line to implement noise control improvements.	<i>Collect quantitative data on noise pollution and implement mitigative measures.</i>	<b>INACTIVE</b> Not started.
Introduce Quantitative Noise Prohibitions	Amend Community Standards Bylaw to include quantitative noise prohibitions.		<b>INACTIVE</b> Not started.
Monitor for Total Suspended Solids in Stormwater Discharge	Monitor and understand the current amount of total suspended solids in stormwater discharge.	<i>Protect and improve stormwater quality.</i>	<b>INACTIVE</b> Not started.
Conduct a Road Salt Study and Create a Salt Management Plan	Conduct a road salt study to understand salt use in the Town and create a salt management plan to protect waterways		<b>INACTIVE</b> Not started.
Increase Vegetation Adjacent to Stormwater Management Systems	Increase vegetation in stormwater management retention and detention ponds, and on the riparian areas of creeks in Stony Plain.		<b>INACTIVE</b> Not started.
Explore Salvageable Construction Scraps	Designate land where salvageable construction scraps can be reused and recycled.	<i>Achieve 70% waste diversion from landfills by 2030.</i>	<b>INACTIVE</b> Not started.



*\* denotes initiatives that have been revised, added, moved or removed in 2023*