

## Appendix B – Energy & Sustainability Framework Municipal Operations Action Plan

<b>Community Leadership</b>					
<b>Key Actions</b>	<b>Description</b>	<b>Big Move</b>	<b>Start Date</b>	<b>Investment (2022)</b>	<b>Measure</b>
Community Advisory Group	Engagement will continue with the Community Advisory Group with an updated mandate. The Community Advisory Group is made up of community members from different sectors.	All	2021	\$0	Advancing community wide actions
Community Education and Awareness Program	Continuation of energy literacy campaign that began in 2021.	All	2021	\$70,000	Community Reach
Partnership	Applying for SaskPower's Renewable Partnership Offering. This is an opportunity to partner with SaskPower in the development of a new solar facility which is estimated to be completed in 2025.	Renewable energy	2022	TBD	kWh of Solar Purchased
<b>Facilities</b>					
<b>Key Actions</b>	<b>Description</b>	<b>Big Move</b>	<b>Start Date</b>	<b>Investment (2022)</b>	<b>Measure</b>
Energy Monitoring & Optimization	Implementation of energy efficiency recommendations of City facilities.	Retrofit Existing Buildings	2022	\$250,000	Energy Consumption GHG Emissions
Implement Solar	Implementation of Solar for Maple Leaf Pool, Wascana Pool, Glencairn Recreation Centre and Regina Police Service Headquarters.	Increase Renewable Energy	2021	\$164,000	kWh of Solar PV Installed GHG Emissions
Residential Retrofit Rebate Program	Develop and pilot a residential retrofit program.	Retrofit Existing Buildings	2022	\$200,000	# of Homes Retrofitted Energy Consumption

<b>Fleet</b>					
<b>Key Actions</b>	<b>Description</b>	<b>Big Move</b>	<b>Start Date</b>	<b>Investment (2022)</b>	<b>Measure</b>
Electrification of Light Fleet	Replacement of light fleet vehicles with electric vehicles.	Low Emissions Vehicles	2023	TBD	% of Electric Vehicles GHG Emissions
Electric Vehicle Charging Infrastructure	Installation of vehicle charging infrastructure.	Low Emissions Vehicles	2022	\$50,000	# of Electric Vehicle Charging Stations
Light Fleet Fuel Reduction	Implementation of Telematics technology in majority of light fleet vehicles to analyze data and reduce fuel consumption.	Low Emissions Vehicles	2022	\$100,000	Km Cost Fleet Energy Consumption GHG Emissions
Light Fleet Ratchet	Introduce a ratchet system into vehicle replacement process. Use Telematics to analyze utilization to reduce number of light duty vehicles.	Low Emissions Vehicles	2022	\$0	# of Light Vehicles Fleet Energy Consumption GHG Emissions
Scheduling Optimization	Implement scheduling software that will increase efficiencies in resource deployment (including vehicles).	Low Emissions Vehicles	2022	TBD	Fleet Energy Consumption GHG Emissions

<b>Landfill / Waste Diversion</b>					
<b>Key Actions</b>	<b>Description</b>	<b>Big Move</b>	<b>Start Date</b>	<b>Investment (2022)</b>	<b>Measure</b>
Curbside Food & Yard Waste (Organics)	Implement community-wide organics program (2023).	Additional Action	2023	\$5,500,000	% Residential Waste Diverted  Tonnes of Solid Waste per Household  Tonnes of Solid Waste Diverted per Household  GHG Emissions
Landfill Gas to Energy	Process of collecting methane gas from the landfill to turn it into power.	Increase Renewable Energy	On-going	\$0	Renewable Energy Produced  GHG Emissions
<b>Transit</b>					
<b>Key Actions</b>	<b>Description</b>	<b>Big Move</b>	<b>Start Date</b>	<b>Investment (2022)</b>	<b>Measure</b>
Electrification of Buses	Preliminary Engineering Design for Transit Operations (to prepare transit buildings for alternate fuel buses).  Replacement of fuel buses to electric begins in 2024.	Low Emissions Vehicles	2022	\$200,000	% Electric Fleet  Fleet Energy Consumption  GHG Emissions
On-demand Transit	Continuation and expansion of on-demand transit routing to optimize transit routing.	Low Emissions Vehicles	TBD	TBD	Fleet Energy Consumption  # of Buses  GHG Emissions

<b>Water/Wastewater</b>					
<b>Key Actions</b>	<b>Description</b>	<b>Big Move</b>	<b>Start Date</b>	<b>Investment (2022)</b>	<b>Measure</b>
Advance Metering Infrastructure	Replacement of existing residential and commercial water meters.	TBD	2021	\$12,000,000	% Water Energy Consumption GHG Emissions
Offset Natural Gas Usage	Process of offsetting natural gas usage at Wastewater Treatment Plant.	Increase Renewable Energy	On-going	\$0	% Renewable Natural Gas (RNG) Utilized GHG Emissions