

TOWNSHIP OF EDWARDSBURGH CARDINAL
INFORMATION ITEM

Committee: Committee of The Whole – Administration & Operations

Date: April 14, 2025

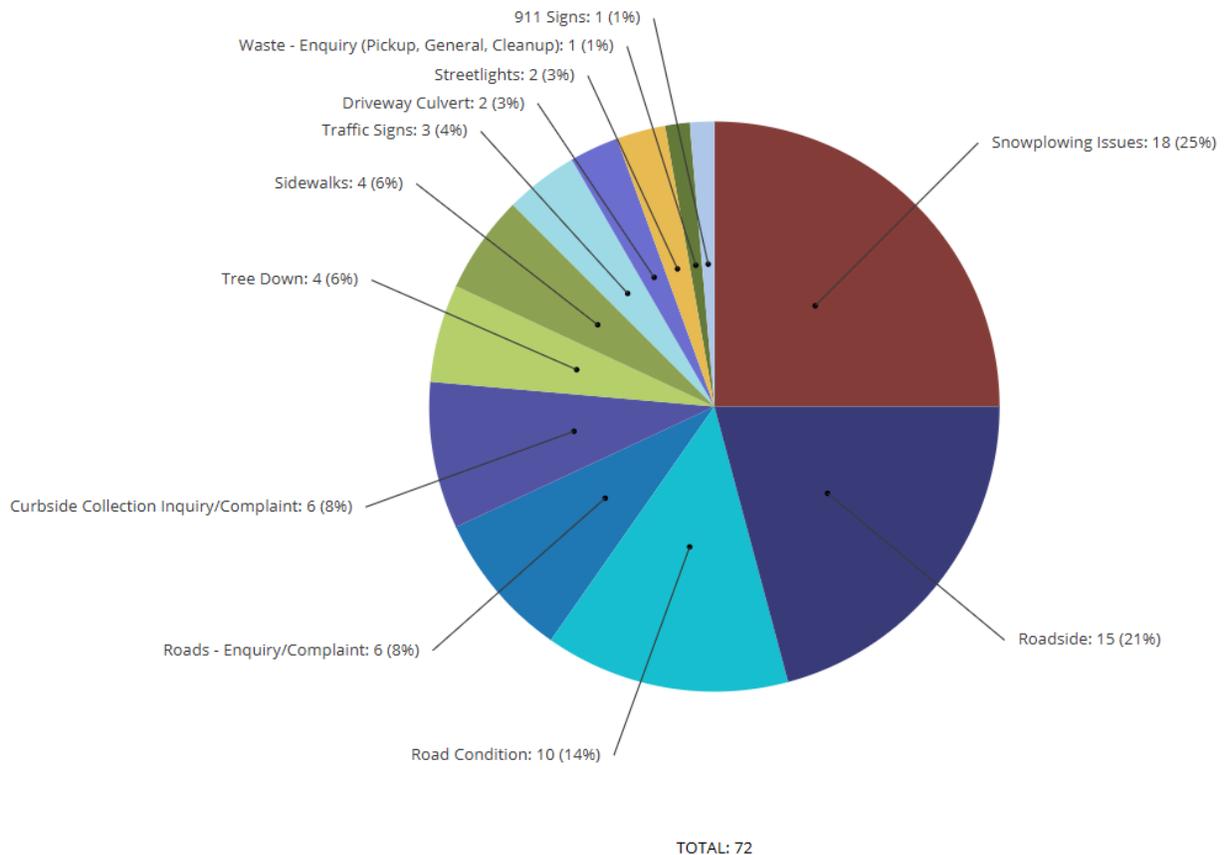
Department: Operations

Topic: 2025 1st Quarter Statistical Report

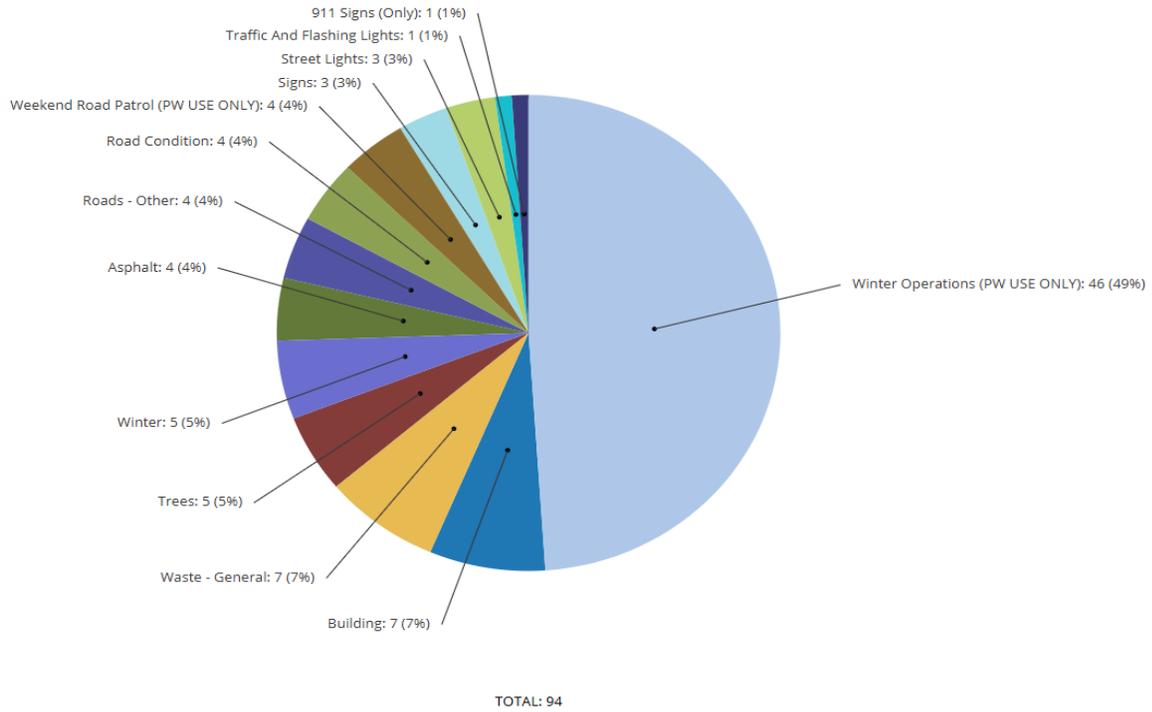
Background:

SECTION 1: Public Works

There were 72 service requests created during the 1st quarter. The requests are categorized based on type in the below pie chart.



There were 94 work orders created during the 1st quarter. The orders are categorized based on type in the below pie chart.



There were 81 Fleet Work Orders during the Quarter. The orders are categorized based on type in the below pie chart.

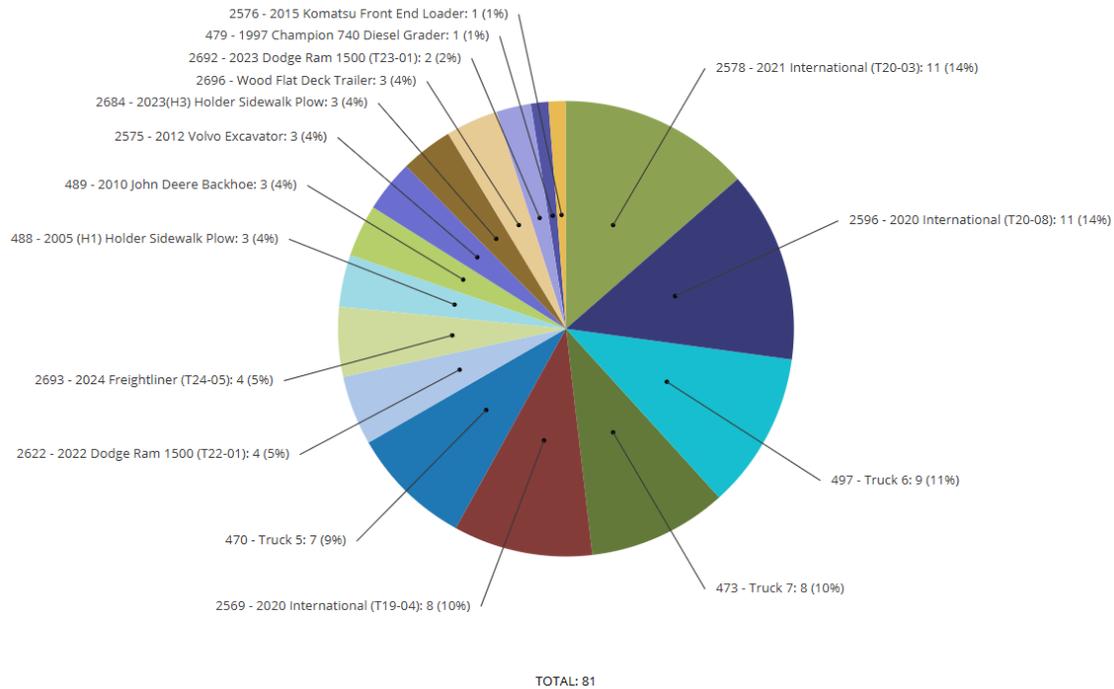


Table 1: 2025 Vehicle Cost Breakdown

YTD	Parts/Materials etc.	Labour	Total
Invoices processed	\$ 22,170.17	\$ 34,394.83	\$ 56,565.00

SECTION 2: Waste Disposal

- 224 vehicles attended the site over the 12 Saturdays in quarter 1. The site was closed on Saturday March 29 due to ice/snow event.
- Punch card sales through office: \$ 120.00
- Punch card sales through Cardinal Library: \$ 155.00
- Punch Card sales through Burchell's \$ 2182.50
- Total punch card sales for Quarter 2 and 3: \$ 2457.50

Month	Curbside Collection - HGC		Transfer Station – Limerick Env.
	Solid Waste (t)	Recycling (t)	Transported offsite (t)
January	87.96	35.06	
February	78.63	**N/A	
March	83.59	**N/A	
Total	250.18	35.06	

**Bluebox transition away from municipal involvement took effect on February 1, 2025

SECTION 3: Environmental Services

<u>1st Quarter Cardinal Water Treatment Plant Flow Summary</u>				
Month	Monthly Flow(m ³)	Minimum Daily Flow (m ³)	Maximum Daily Flow (m ³)	Average Daily Flow (m ³)
January	13,193	321	575	426
February	11,463	319	538	409
March	12,208	300	496	394

<u>1st Quarter Summary of Operational Parameters – Cardinal WTP</u>									
	UV	Filter 1A	Filter 1B	Filter 2A	Filter 2B	pH	Pressure	Raw Cl ₂	Post Chlorine
Average	51.07	0.02	0.02	0.04	0.03	8.26	69.29	1.82	2.55
Unit	mJ/cm ²	NTU	NTU	NTU	NTU		PSI	mg/L	mg/L
Compliance	40	1	1	1	1	6.5-8.5	>20		>0.20

1st Quarter Microbiological Testing for the Cardinal Water System				
	Number of Samples	Total Coliform	<i>E. coli</i>	HPC (min-max)
January - March	52	0	0	<2-2
Compliance for TC/EC is zero. HPC guideline is less than 500.				

1st Quarter Microbiological Testing- Industrial Park				
	Number of Samples	Total Coliform	<i>E. coli</i>	HPC (min-max)
January - March	13	0	0	<2-2
Compliance for TC/EC is zero. HPC guideline is less than 500.				

Description	Prysmian Chlorine Residual	Greenfield Chlorine Residual	Pressure (PSI)
Quarterly Average	1.19	0.87	71.57
Units	mg/L	mg/L	PSI
Compliance	>0.05	>0.05	>20

1st Quarter Report for Windmill Pumping Station				
Month	Total Flow (m³)	Minimum Daily Flow (m³)	Maximum Daily Flow (m³)	Average Daily Flow (m³)
January	71619	1852	2868	2310
February	59015	1494	2467	2108
March	75846	2054	2987	2447

1st Quarter Report for Spencerville Lagoons				
Month	Total Flow (m³)	Minimum Daily Flow (m³)	Maximum Daily Flow (m³)	Average Daily Flow (m³)
January	2853	60	174	92
February	2371	76	98	85
March	7191	85	535	232

1st Quarter Report for Cardinal WWTP				
Month	Total Flow (m ³)	Minimum Daily Flow (m ³)	Maximum Daily Flow (m ³)	Average Daily Flow (m ³)
January	24,135	539	1237	779
February	14,294	453	675	511
March	48,956	522	3856	1579

1st Quarter January - March	BOD (mg/L)	Suspended Solids (mg/L)	Total Phosphorus (mg/L)	Ammonia (mg/L)	<i>E.Coli</i>
Average	3.3	3.9	0.08	0.29	3.6
Units	mg/L	mg/L	mg/L	mg/L	CFU
Compliance	25	25	1		
Objective	<15	<15	< 1	<4	<200

Month	BOD Removal	Suspended Solids Removal	Phosphorus Removal	Ammonia Removal
January	96%	98%	98%	99%
February	98%	98%	98%	99%
March	94%	96%	94%	96%



 Director of Operations