



Public Works Operations Updates
Public Works Committee

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Waste Operations Information / Updates

Waste Management Services Program Enhancements

- ▶ County developed a Long-Term Waste Management Master Plan (LTWMMP) in 2014
- ▶ Plan's overall objective is to divert over 75% of the County's residential waste from Landfill
- ▶ Since the LTWMMP was adopted, several recommendations have been implemented:
 - ▶ Roadside Collection of L&Y Waste (County-wide) - 2015
 - ▶ Bulky Plastics diversion - 2016
 - ▶ Clothing diversion - 2017
 - ▶ Styrofoam diversion – April 2019
 - ▶ Year-round HHW diversion – April 2019
 - ▶ Year-round E-Waste diversion – April 2019
 - ▶ Green Bin (food waste) program – Dec. 2019
 - ▶ Recycle Right (Blue & Grey Box) recycling program – Dec. 2019



Waste Management Services Program Performance

Comparison of Garbage and Divertible Materials in 2014 versus 2023

| Material | 2014 (Tonnes) | 2023 (Tonnes) | % Change |
|--------------------------------------|------------------|------------------|------------|
| Garbage Collection | 8,141 | 6,923 | -15% |
| Residential Garbage Drop-off at CRCs | 10,472 | 11,593 | 11% |
| MRF Residual | 2,336 | 745 | -68% |
| Sub-Total Waste | 20,949 | 19,261 | -8% |
| Blue Box - Containers | 1,394 | 2,280 | 64% |
| Blue Box - Paper | 4,609 | 3,708 | -20% |
| L&Y Waste | 2,384 | 4,940 | 107% |
| Food Waste | - | 2,878 | 100% |
| Household Hazardous Waste | 232 | 269 | 16% |
| Scrap Metal | 307 | 211 | -31% |
| Drywall | 327 | 178 | -46% |
| Electronic Waste | 68 | 211 | 210% |
| Tires | 163 | 278 | 71% |
| Bulky Plastic Items | - | 52 | 100% |
| Clothing | - | 20 | 100% |
| Styrofoam | - | 19 | 100% |
| Sub-Total Diversion | 9,484 | 15,044 | 59% |
| TOTAL | 30,433 | 34,305 | 13% |



Next Steps / Long-Term Plan for Diversion

- ▶ County's residential waste diversion rate is now at 52%

- ▶ As Green Bin program matures and Mattress Diversion come into effect this summer, anticipate the rate will climb to around 55%

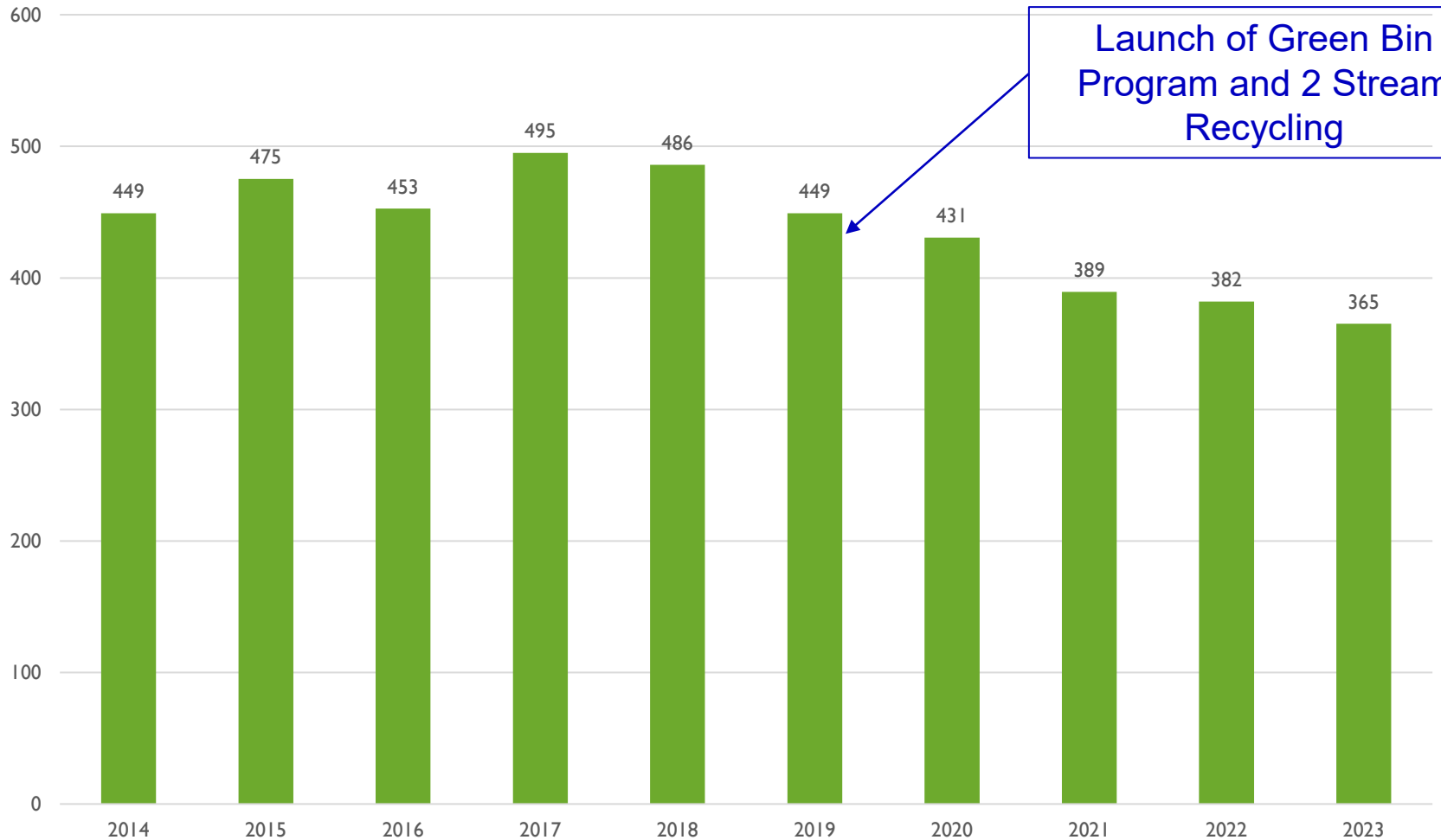
- ▶ In order to achieve 75% diversion, will need to consider:
 - ▶ Construction Material / Waste Wood Diversion Programs
 - ▶ Mandatory use of Diversion Programs & Enforcement
 - ▶ Clear Bag for Curbside Garbage Collection

Measuring Success

- ▶ Historically County has tracked its success in minimizing waste disposal by calculating the amount of waste we divert from landfill
- ▶ With many divertible materials now having transitioned to Producer Responsibility (Tires, HHW, E-Waste, Blue Box), County does not have direct responsibility for these materials, nor do we have access to actual tonnages of these materials diverted annually by our residents
- ▶ County has and continues to manage the vast majority of the non-divertible waste our residents generate
- ▶ Recommend tracking our success in minimizing waste disposal by measuring the amount of waste that is landfilled on an annual basis, on a per household basis
- ▶ Goal would be to see the amount landfilled per household diminish year over year

Measuring Success

Garbage Landfilled Per Household Per Year (kgs)



Measuring Success

- ▶ In 2014, the average household was generating 770 kg of waste per year
 - ▶ 321 kg (42%) diverted from landfill through waste diversion program
 - ▶ 449 kg (58%) were sent to landfill
- ▶ Presently the average household is generating 759 kg of waste
 - ▶ 394 kg (52%) diverted from landfill
 - ▶ 365 kg (48%) being sent to landfill
- ▶ Recommend new goal:
 - ▶ Reducing the amount of waste sent to landfill annually, per household to 193 kg by 2034
 - ▶ Equivalent to 75% reduction of 2014 total waste generation rate per household

Long-Term Plan for Waste Disposal

- ▶ Recommendation of Long-Term Waste Management Master Plan (LTWMMP)
 - ▶ Undertake an EA to determine the best way to manage the fraction of our waste that cannot currently be diverted
 - ▶ Options considered will likely be limited to:
 - ▶ Expanding an existing landfill site within the County;
 - ▶ Developing a new landfill within the County; or
 - ▶ Exporting our waste to another landfill or alternative disposal facility within Ontario
 - ▶ EA process will take between 4 – 6 years to complete, and up to 2 additional years for implementation of preferred solution
 - ▶ Based on projected waste disposal needs, Brighton Landfill should have capacity to until the year 2034

Road Operations Information / Updates

Road Maintenance - Operations

▶ County Road 29 Improvements

- ▶ Will be surface treating a 7.5 km section of the roadway this summer
- ▶ Works will consist of replacing 10 cross culverts (currently underway)
- ▶ Pulverizing the road section (mid-June)
- ▶ Adding additional gravel to the road section (mid-June to early July)
- ▶ Surface treating the road section (mid-July)



Road Maintenance - Operations

- ▶ Roadway Sweeping
 - ▶ Has been underway for several weeks now
 - ▶ Anticipate completion by early June
- ▶ Roadway Ditching
 - ▶ Ditching activities are completed to maintain adequate drainage of the road cross-section
 - ▶ With a milder than normal winter, crews were kept busy removing accumulated sediment and excess vegetation from roadside ditches



Road Maintenance – Fleet Additions

- ▶ Rubber Tired Excavator
 - ▶ New excavator has been received by the dealer
 - ▶ Expect to take ownership in June, once fully upfitted



Road Maintenance – Fleet Additions

- ▶ Combination Snowplow Trucks
 - ▶ Two plow trucks ordered in 2021 are currently being assembled
 - ▶ Expect delivery of completed vehicles before the end of the year



Facilities Maintenance Information / Updates

860 William St. Window and Door Replacements, Brick Works & Structural Repairs

- ▶ Contract awarded to Brooke Restorations in 2023 for \$452,835 (excl. HST)
- ▶ Works commenced in April 2024
- ▶ Scaffolding and visual screening installed
- ▶ Removal of brick façade under way
- ▶ Expect construction to be completed by early August



330 King St. Watermain Replacement & Parking Lot Improvements

- ▶ Will be replacing existing water service to the building, relocating a storm sewer and expanding the parking lot to better accommodate emergency response vehicles
- ▶ Tender for works closed end of April
- ▶ Overall budget for this project is \$273,000
- ▶ Lowest compliant bid for construction is \$241,879 (excl. HST)
- ▶ Looking to complete the construction activities over the summer (June – Aug), to avoid disruptions to school activities at Cobourg Collegiate Institute (directly across the road)

330 King St. Watermain Replacement & Parking Lot Improvements

