

Appendix A



Waste Services Asset State of the Infrastructure Report Environmental & Protective Services Planning & Community Services

Purpose of Status Report

- To prepare a list of current assets in order to forecast the estimated replacement cost and the timeline for these replacements.
- To provide a basis for recommendations for optimal asset management and financial strategies.

Core Services

6 Landfill Transfer Stations

54 Waste Collection Sites

- Community Bin Sites
- M.D. Campgrounds
- M.D. Facilities
- Community Halls

Curbside Waste Collection

- 440 Households



Freecycle Waste Diversion Program

Recycling Programs

- **Household Recyclables**
 - Cardboard
 - Glass
 - Paper
 - Plastic
 - Tin Cans

- **Other Recyclables**
 - Electronics
 - Paint
 - Agricultural Plastics (Grain Bags & Twine)
 - Household Hazardous Waste
 - Mattresses
 - Metal
 - Propane Tanks
 - Tires
 - Used Oil and Oil Products

Roadside Cleanup Program

School Education Program

Waste Services Assets



The Asset Management Team and the Manager of Waste Services embarked on collecting the Waste Services Assets in September of 2023.

The team visited all 6 Landfill Transfer Stations and numerous Community Bin Sites.

At each site they documented vital asset information including names and locations, and captured photographs for reference. Additionally, they recorded valuable input from operations staff members and other information about the sites.

The compiled data was documented in an asset register, which includes most of the Waste Services asset inventory. This register was organized into a spreadsheet format and integrated into a Geographic Information System (GIS) for precise location tracking.

Waste Services Landfill Transfer Station Assets

- Landfill Offices
- Portable
- Toilets
- Class 3 Cells for Dry, Inert Waste
- Transtors for Class 2 Waste Transfer
 - Owned by the Beaver River Regional Waste Management Commission
- Waste and Recycling Bins
- Stormwater and Leachate Ponds
- Gravel Driveways
- Fences and Double Swing Gates
- Groundwater Monitoring Wells
- Tire Recycling Bunkers
- Sea Cans for Mattress Recycling
- 30-yard Roll-Off Bins
- Automated Gate System
- Horse Shelters (Recycling Sheds) for:
 - Electronics
 - Paint and HHW
 - Used Oil and Used Oil Products
 - Freecycle

Active Landfill Transfer Stations

Regular Activities

- Collection of Waste and Recycling
- Graveling and Snow Removal
- Perimeter Fence and Gate Maintenance
- Annual Groundwater Monitoring
- Stormwater and Leachate Management

Current Active Landfill Transfer Stations

- Ardmore
- Goodridge
- Hilda Lake
- La Corey
- Therien
- Muriel Lake (April 1 – October 31)

Closed Landfills

Regular Activities

- 25-Year Post-Closure Period
- Perimeter Fence and Gate Maintenance
- Annual Groundwater Monitoring

Closed Landfills

- Beaverdam
- Fort Kent
- Iron River
- Old La Corey
- Marie Lake
- Tucker Lake

Bin Site Assets

Regular Activities

- Waste and Recycling Bins
- Graveled or Paved Pads
- Fenced and Gates
- Signage

Current Active Waste Service Bin Sites

- 30 - Community Sites
- 14 - M.D. Facilities and Community Halls
- 10 - M.D. Campgrounds

Groundwater Monitoring Wells

Locations

- 37 - Wells at Active Landfill Transfer Stations
- 30 - Wells at Closed Landfill Sites
- 10 - Wells at M.D. Public Works Yard

Replacement Cost of Waste Services Engineered Structures and Site Assets

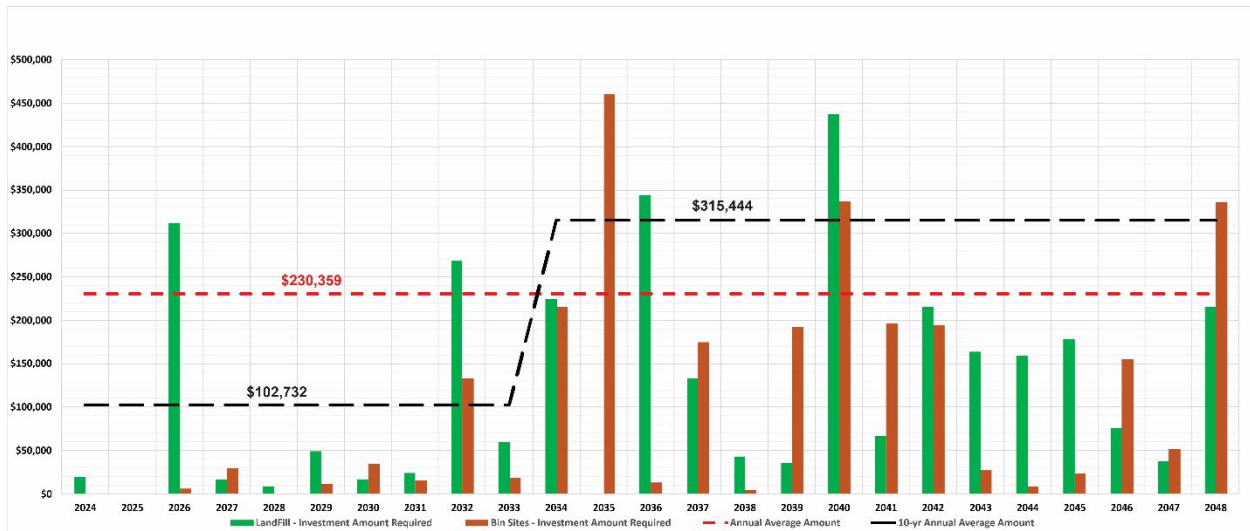
Landfill Sites (Active/Closed): \$3,111,717

Bin Sites: \$2,647,452

Total Asset Replacement Cost: \$5,758,969

*Current 2023 dollar value and an inflation rate of 2% considered. Only the Replacement of existing structures is accounted for.

Asset Reserve and Funding Options



10 Year Term Asset Replacement

- **\$1,027,316** investment amount required.
- **\$102,732** annual reserve allocation for years 1-10
- **\$315,444** required for years 11-25 to meet the full replacement cost of **\$5,758,969**

25 Year Term Asset Replacement

- **\$5,758,969** total investment amount required.
- **\$230,359** annual reserve allocation for years 1-25