

Landfill Diversion Initiative

Project Proposal

Liza Nasir, August 2025

Holland Bloorview
Kids Rehabilitation Hospital

A world of possibility



**Transformative Care,
Inclusive World:**
Holland Bloorview 2030

Agenda

- Overview
- Solution
- Accessibility & Engagement
- Pilot Plan
- Key Metrics

Overview

Problem Statement & Objectives

Problem Statement

Holland Bloorview's produces unnecessary landfill waste due to overuse of individual recycling and waste bins in office spaces

Key Issues

300+ individual bins → labour intensive

Ineffective sorting

Unnecessary contamination → possible pest issues

Enabled by inconsistent & unclear signage

Objectives

Increase landfill diversion by reducing contamination and improving sorting habits

Streamline bin infrastructure to ease environmental services (EVS) staff workload and improve efficiency

Engage staff through communication, training and feedback during rollout

Standardize signage and placement to ensure clarity and consistency

Overview

Current Situation



Example: 20 individual garbage/recycling bins in the library

Overview

Current Situation



Inconsistency = Confusion

Note: 28 built-in sorting bins throughout hospital

Overview

Waste Diversion Analysis

Waste Diversion Analysis (metric tons)

	2023	2024	2025 (up to May)
Garbage	103.56	135.02	47.41
Organics	186.56	243.79	115.86
Recycling	65.73	69.09	29.4
Total	355.85	447.9	192.67
Diversion	71%	70%	75%

Target: 80–85% diversion within one year, increasing staff engagement in sustainability issues, driving **operational savings** and supporting more **effective use of EVS resources**.

1 metric ton = 2,204.6 pounds

Solution

Diversion from landfill via reduction of personal waste and recycling bins

Solution

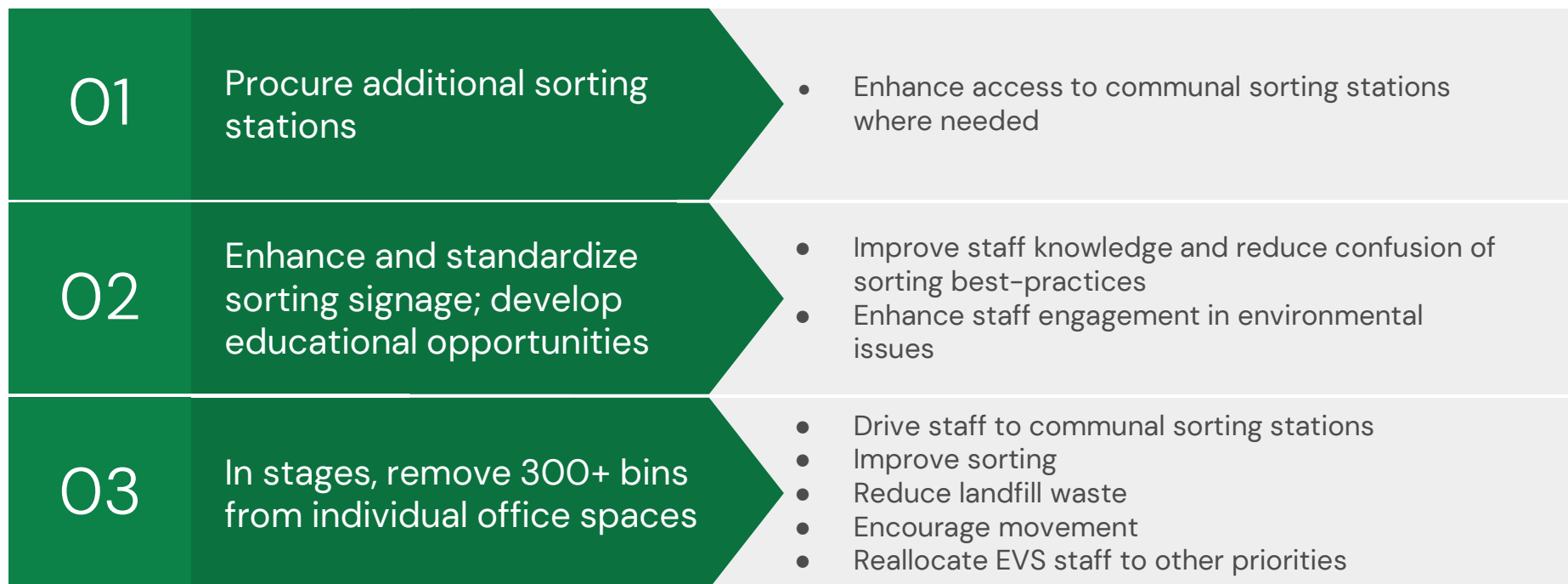
- **Remove** personal and office bins
- **Add** sorting stations where needed
- **Enhance** signage to guide proper sorting

Benefits

- Greater **diversion** of waste from landfill
- **Fewer pests**, better infection control
- **Mental health** break: opportunity to get away from desk
- Supports **greener planet** and HB2030 strategy
- More **efficient** use of EVS staff time to be redirected to other hospital priorities

Solution

The Proposal



Accessibility & Engagement

New Bin Options

Specifications

Dimensions:
22" (d) x 44" (w) x 32" (h)
Capacity:
30 gal (115 liter)
Weight:
150 pounds
Installation:
Non-slip glides/ casters
Options:
Signage frame



The Denali



The Domain

Specifications

Dimensions:
20" (d) x 14" (w) x 30" (h)
Capacity:
25 gal (93 liter)
Weight:
115 pounds
Installation:
Non-slip pads/ casters
Options:
Signage frame

Accessibility & Engagement Signage Criteria

COMPOST



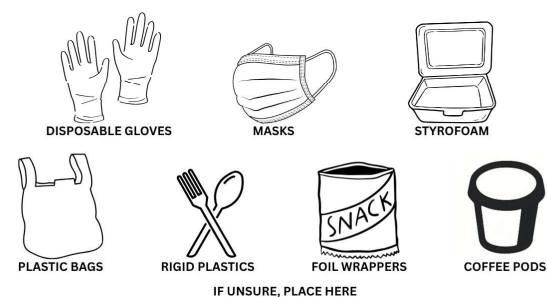
MIXED RECYCLING



PAPER



LANDFILL



Accessibility & Engagement Highlights

To ensure equitable use across staff and visitors, bin infrastructure and communications are being designed to meet diverse physical, visual, and cognitive needs.

Physical Accessibility

- Bin height and reach range align with wheelchair accessibility guidelines
- Pedal-free, easy-or-no-push access mechanisms
- Adequate turning radius around bin stations
- **Opt-out upon request**

Visual Accessibility

- Large-font labels
- Matte, high-contrast visuals for low-vision users
- Pictograms for waste types (recycling, landfill, organics)

Cognitive Accessibility

- Plain language messaging (no jargon)
- User-friendly icons and simple instructions

Accessibility & Engagement

Accommodation Request

If staff require a personal waste bin due to accessibility needs, the accommodation form below can be completed and forwarded to the ESTF.

Are you requesting
accommodation for
accessibility reasons?

Full Name:

Office Number/ Location:

Department or Team:

Contact (email or
extension):



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Accessibility & Engagement Feedback

What sorting station is preferred?

Do you have feedback on the signage? Is anything missing?

Any other questions or considerations?

Pilot Plan

Project Phases – what's next?

Phase 1: Mapping & Staff Engagement

Jun-Jul

- ✓ Conduct bin audit, understand types of existing bins and locations
- ✓ Investigate improved signage prototypes
- ✓ Identify pilot locations to test removal of bins

Phase 2: Pilot Rollout & Testing

Jul-Aug

- ☐ Feedback on signage prototypes
- ☐ Develop staff education materials
- ☐ Identify accessible bins with MMC; feedback from accessibility ERG
- ☐ Pilot removal in basement/ first floor departments (comms, CFIC, volunteers/reception, facility)

Phase 3: Evaluation & Recommendations

Aug-Nov

- ☐ Purchase and place new bins
- ☐ Continue staged rollout of bin removal
- ☐ Track diversion rates, contamination, staff feedback
- ☐ Confirm accessibility compliance
- ☐ Present findings and ROI

Key Metrics

Metrics & Monitoring

Environmental Performance

- % Increase in landfill diversion
- % Reduction in bin liner use

Accessibility & Usability

- Feedback from staff on sorting clarity
- # staff requesting accessibility

Staff engagement & Operational Efficiency

- # redirected EVS hours
- % Reduction in waste collection frequency
- # bins removed

Conclusion

Thank You!

Please let us know if you have any questions, concerns, or additional feedback you'd like us to consider before moving ahead with this initiative.

Thank you