



Textile Diversion Strategies for Halton Region

An Educational Webpage

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OUR MISSION STATEMENT

"Through incentivizing the public, creating more awareness of proper textile disposal, and collaborating with reuse/recycling centers, we aim to increase diversion of textile waste from landfills to promote a circular economy in the Halton Region."

What are Textiles?

Textiles are a general term for fabrics, fibers, cloth, or materials used to make fabrics.



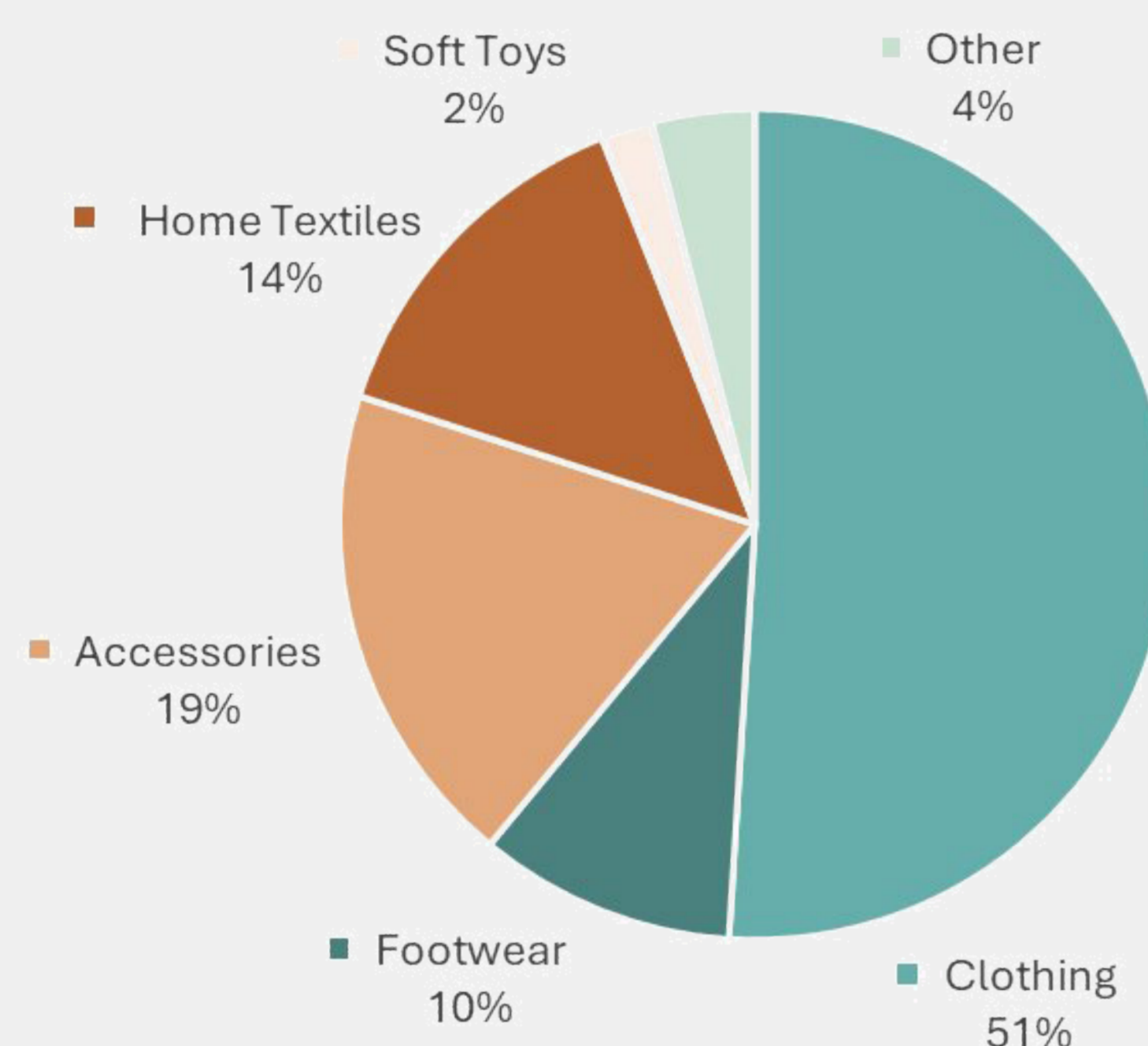
BACKGROUND

Textiles make up
3M kg
5% of residential waste stream
per year in Halton

85%
of textile waste in the garbage
stream can be reused or recycled

\$3.6B
Canadian Textile Industry

Textile Waste Stream (Halton)



SOLUTIONS CONSIDERED

Quality of Textiles in Ontario Waste Stream



EDUCATIONAL WEBPAGE



Design a website to educate residents on textile disposal and available resources
Offer more resources and recommendations, especially for damaged textiles (e.g., repair cafes, map of thrift stores and donation bins, DIY repair tips).

SEASONAL TEXTILE CURBSIDE PICKUP



Implement a seasonal textile curbside pickup program

Consider partnering with Recycling Rewards, who collaborate with Barrie, Orillia, Kawartha Lakes, and Timmins.

TEXTILE RECYCLING TECHNOLOGY



Develop technology to sort or recycle textiles more efficiently and cost-effectively

Incentivize organizations to properly recycle textiles that are too damaged to sell.

Why?

PROJECT SELECTION

- Educationally Impactful
- Scalable and Flexible
- Cost-Effective
- Immediately Implementable
- Foundational for Future Projects



METHODOLOGY



Define Objectives and Audience

Our methodology began with defining our objectives and target audience to ensure the project met specific needs.



Gather Inspiration, Research, and Content

We then gathered inspiration from other municipalities, conducted research, and collected relevant content. Next, we developed the information structure to organize and structure the content effectively. This was followed by the design phase, creating an intuitive and visually appealing webpage.



Information Structure



Design



Content Creation

Finally, we focused on content creation, producing educational and engaging material for users.

PROJECT IMPACT

- 1. Reduction in Landfill Waste:** By educating residents and facilitating proper textile disposal, we can significantly decrease the amount of textile waste sent to landfills.
- 2. Environmental Benefits:** Diverting textiles from landfills could reduce CO₂e emissions by approximately 450 kg per ton of textiles, contributing to a healthier environment and helping to combat climate change.
- 3. Increased Recycling Rates:** Easy access to donation bins and reuse centers can boost recycling rates, ensuring more textiles are reused or repurposed.
- 4. Community Engagement:** Providing resources such as repair cafes and DIY repair tips fosters a culture of sustainability and encourages residents to participate actively in waste reduction efforts.
- 5. Enhanced Awareness:** A dedicated educational webpage will raise awareness about the environmental impact of textile waste and promote sustainable practices within the community.

Specifications

Objectives

- Raise Awareness
- Promote Proper Disposal
- Provide Resources
- Drive Behavioral Change

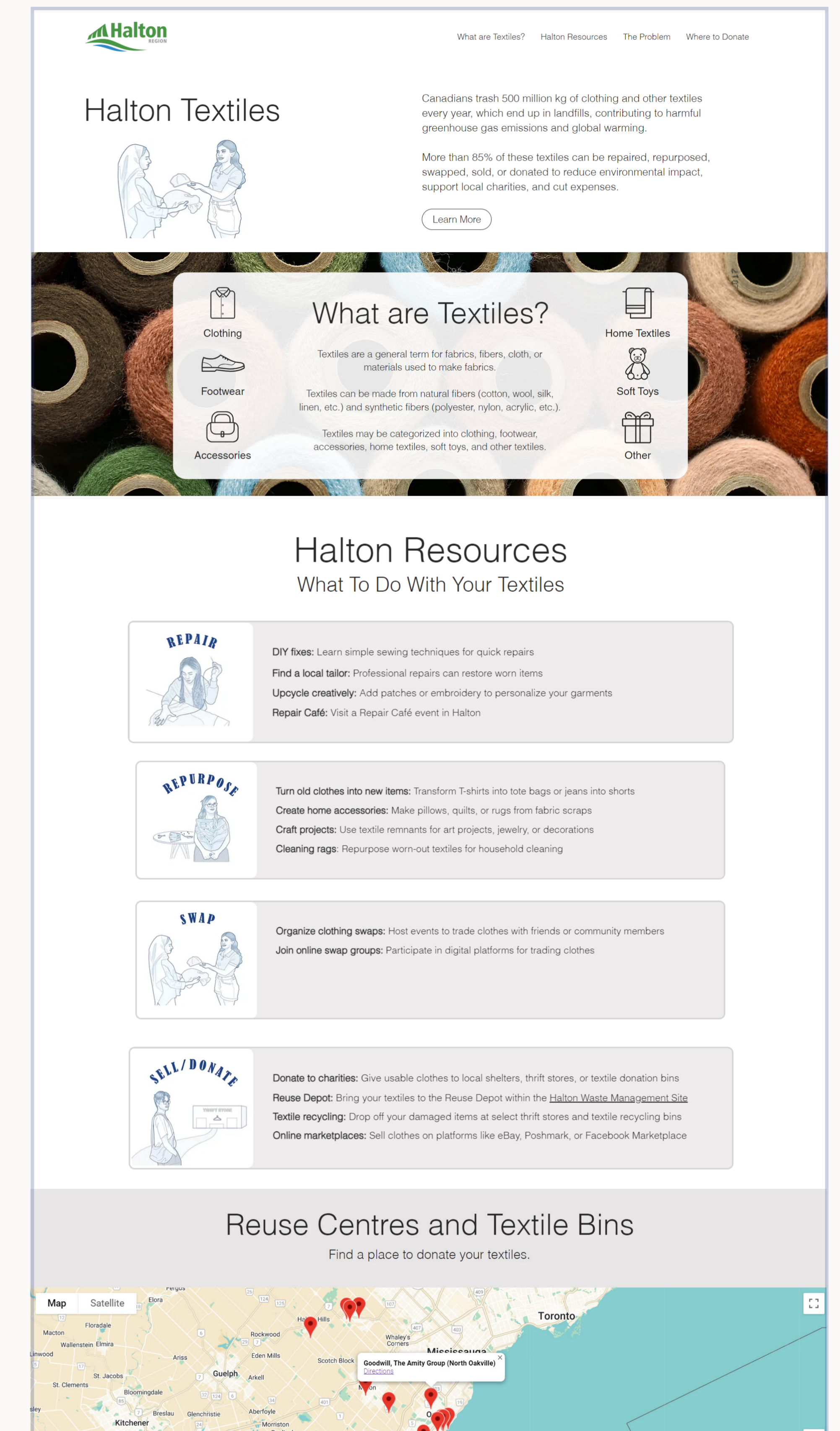
Criteria

- Educational Content
- Visual Appeal
- Local Relevance
- Actionable Information
- Easy Access

Constraints

- Time
- Data Availability
- Technical Expertise

WEBPAGE DESIGN



RECOMMENDATIONS

- 1. Integrate Educational Resources into the Halton Waste Management Website**
Centralizes resources, provides easy access to current information, and enhances educational efforts.
- 2. Create and Feature a Map of Textile Donation Bins in Halton**
Helps residents easily find donation bins, encouraging frequent and proper textile disposal.
- 3. Consider a Seasonal Curbside Pickup Program in Partnership with Recycling Rewards**
A curbside pickup during peak decluttering times, like Spring cleaning, can boost textile recycling rates. Partnering with Recycling Rewards utilizes their infrastructure to make recycling more accessible, convenient, and cost-effective.

REFERENCES

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