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where life makes sense

Mattress Recycling

Presented by Keegan Story – Manager of Environmental Services

Mattresses in Canada

- ▶ Mattress life expectancy – typically 7-10 years up to 15 years
 - ▶ 6-15% of population per year
- ▶ National Volumes
- ▶ Approximately 500,000 hotel rooms in Canada



Mattress Recycling

- ▶ What does this mean for landfills?
 - ▶ Airspace consumption/void space
 - ▶ Handling and Equipment Damage
 - ▶ “Floating”
 - ▶ Recoverable materials and sustainability



Mattress Pilot

- ▶ Began passively collecting in 2020
 - ▶ Diverted visible mattresses in residential loads
 - ▶ Approximately 300 Mattresses
- ▶ Implemented a diversion program in 2021
- ▶ Averaged 111 mattresses per month in 2025
 - ▶ 20,500 tonnes per year landfill
- ▶ Limitations
 - ▶ Foam, pocket coils



Year	Total	Average/Month
2021	866	72
2022	744	62
2023	956	80
2024	1,175	98
2025	1,332	111

Mattress Processing Costs



- ▶ Average Queen mattress
~0.9m³
 - ▶ Assumed 30% compaction
 - ▶ Effective volume – 0.6-0.7m³
 - ▶ ~\$40 of airspace
 - ▶ Assumed 4:1 reduction with
spring removal (\$10
airspace/mattress)

- ▶ Processing and hauling
 - ▶ 5-15min per mattress
 - ▶ Avg \$20/mattress
- ▶ Airspace Savings of \$8-10/mattress
 - ▶ Operational Benefits
 - ▶ Environmental Benefits





Closing Discussion



- ▶ Questions
- ▶ Thoughts
- ▶ Feedback

Contact

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