

FREDERICTON: *DE-COMPOSING* A SUSTAINABLE FUTURE

The Fredericton Composting Consultants

12 RESPONSIBLE CONSUMPTION AND PRODUCTION



12.5: By 2030, substantially reduce waste generation through **prevention, reduction, recycling and reuse**.

Using data, we will argue for the creation of curbside compost program for the City of Fredericton.

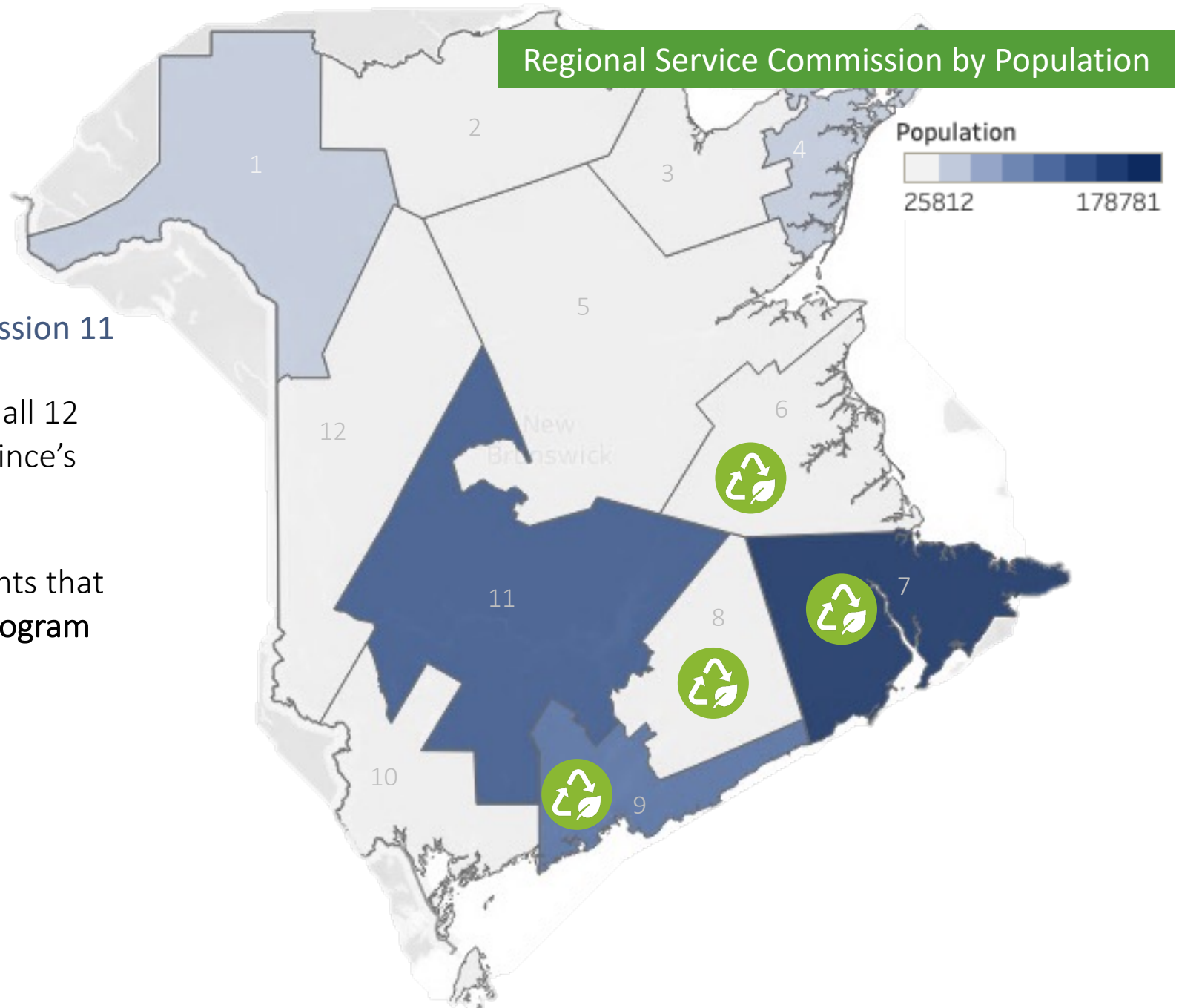
Benefits of the program include:

- Extending landfill life
- Reducing use of toxic fertilizers
- Reducing cost and increasing profits of waste collection

WHY FREDERICTON?

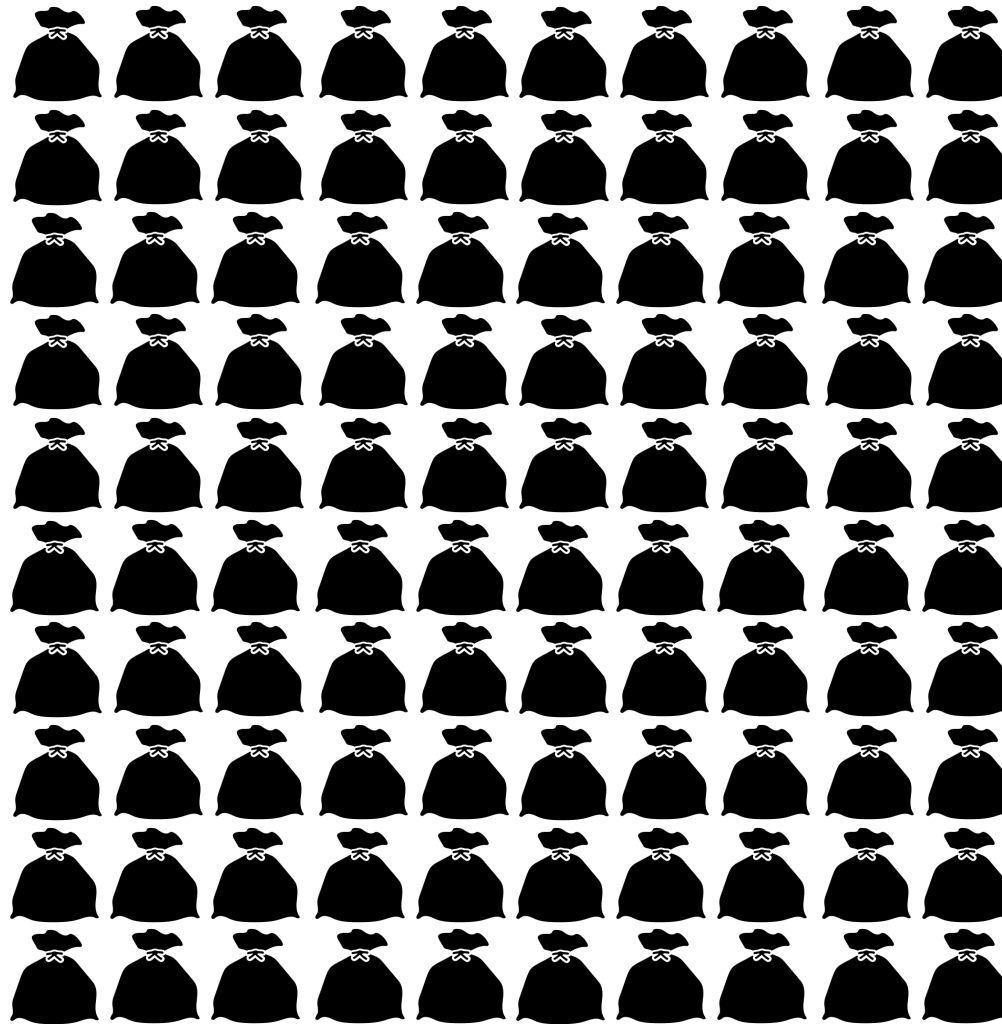
Fredericton lies in **Regional Service Commission 11**

- RSC 11 has the **2nd largest** population of all 12 regions, and is home to **17%** of the province's population
- It is the only region over 100,000 residents that **does not support a curbside compost program**



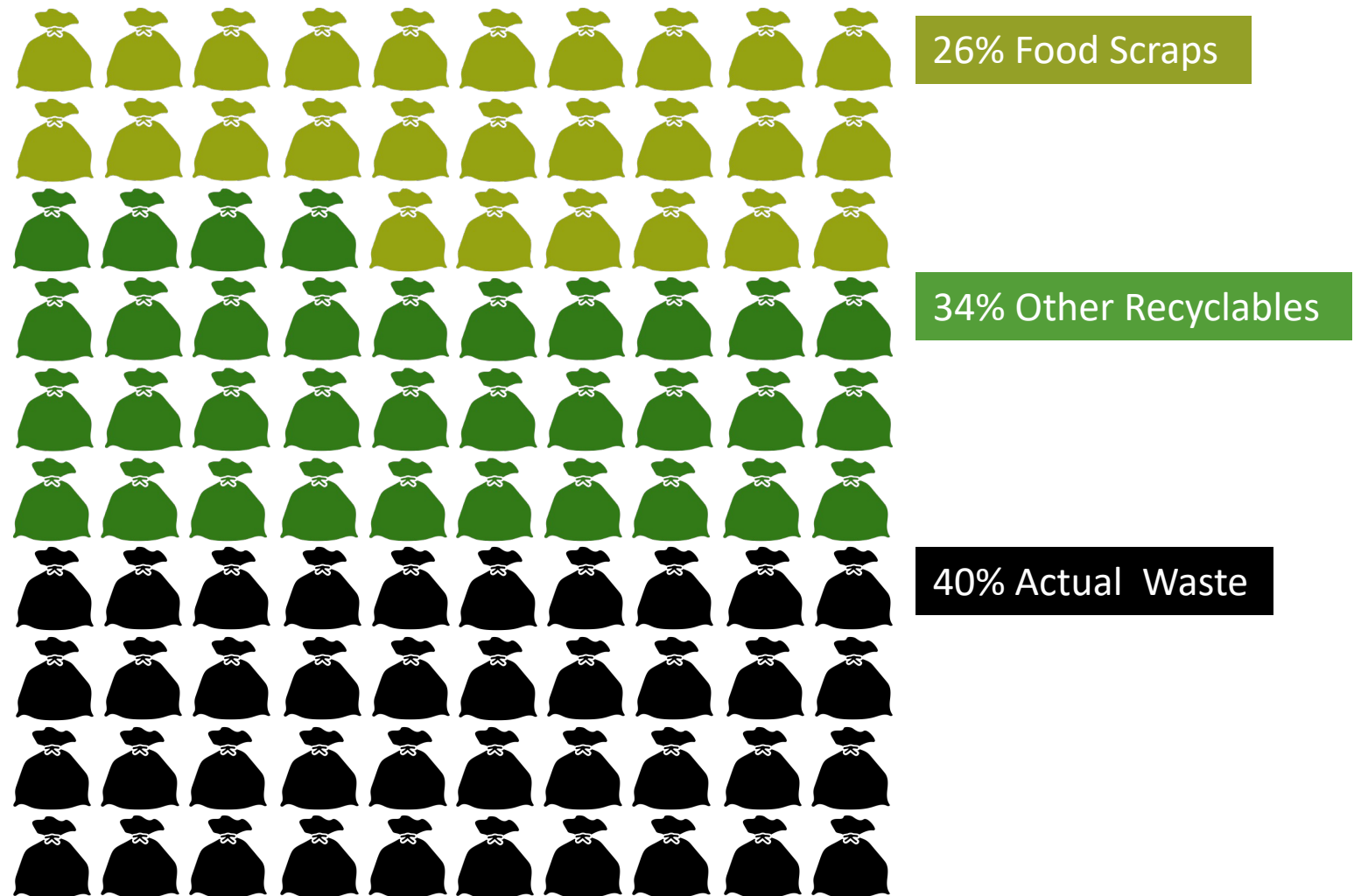
13,000 tonnes of
waste ended up in
Fredericton's
landfill last year.

60% wasn't
waste at all.



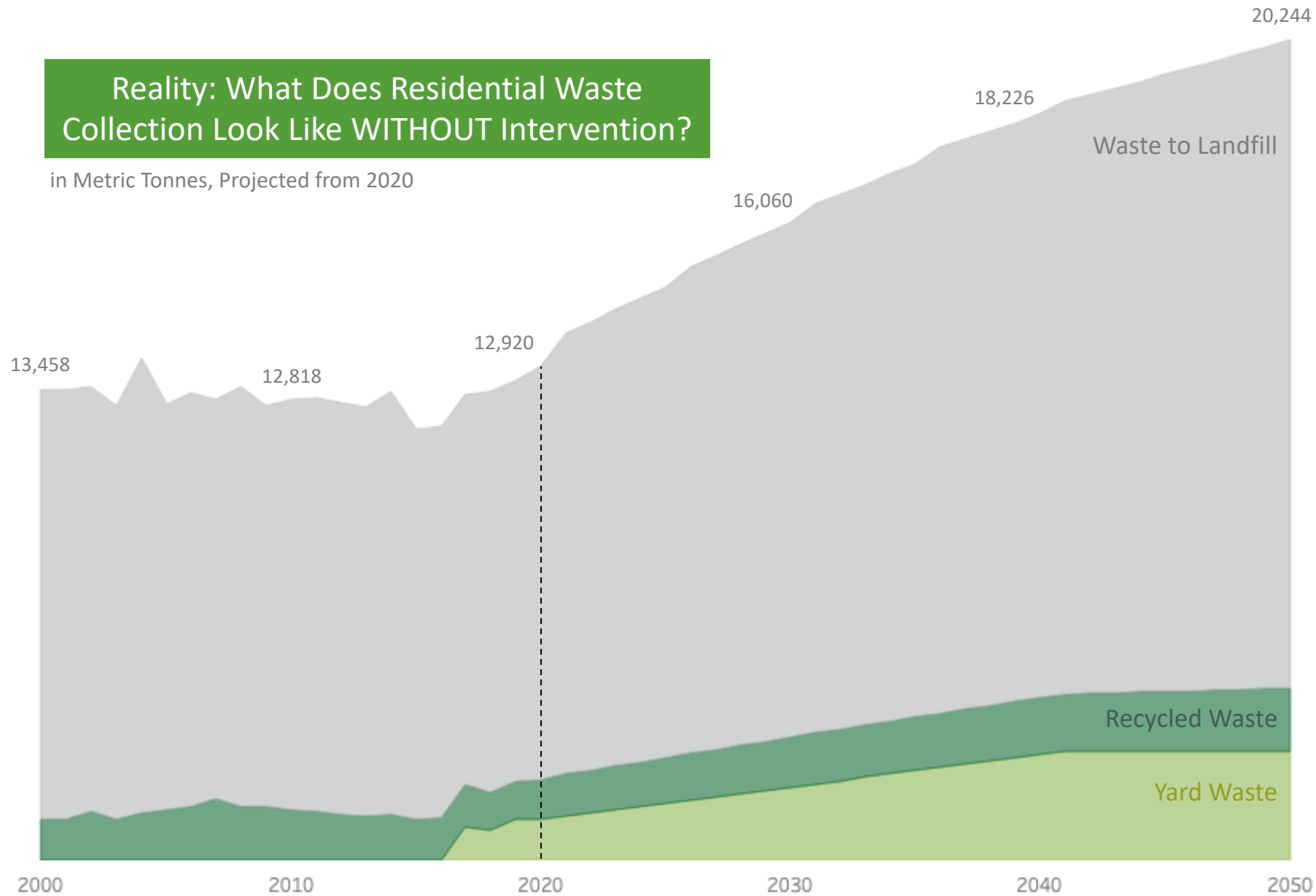
100% Waste

26% of landfill waste was food scraps that could have been diverted, composted, and processed to be sold.



Reality: What Does Residential Waste Collection Look Like WITHOUT Intervention?

in Metric Tonnes, Projected from 2020



80% of residential waste ends up in a landfill.

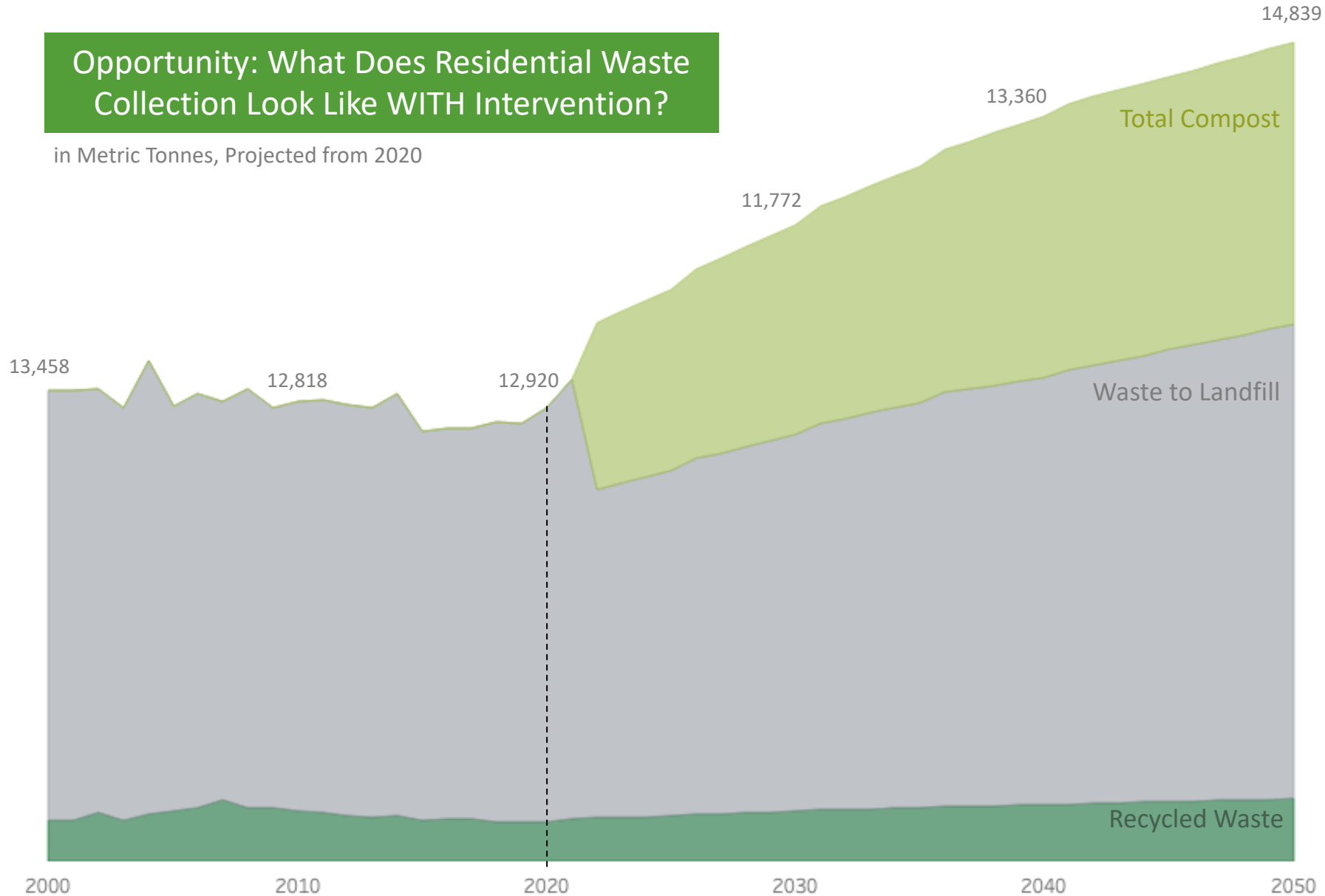
Over the next 30 years, that's more than **500,000 tonnes** of garbage.

BUT, CAN WE WASTE LESS?

- **At minimum**, 20 to 30% of household waste can be diverted from landfills through the use of **home** composting efforts
- Curbside compost can see diversion **up to 40 to 50%**
- We propose a curbside compost program assuming the diversion of that 26% of food scraps currently hitting landfills

Opportunity: What Does Residential Waste Collection Look Like WITH Intervention?

in Metric Tonnes, Projected from 2020

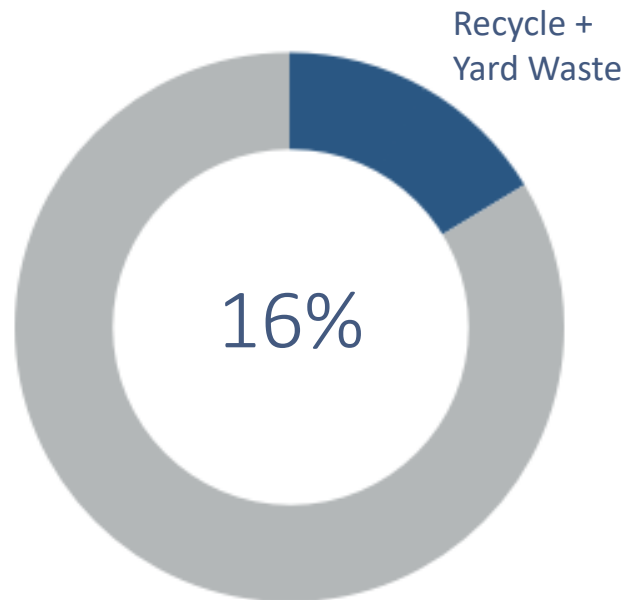


With curbside compost, annual waste to the landfill decreases significantly.

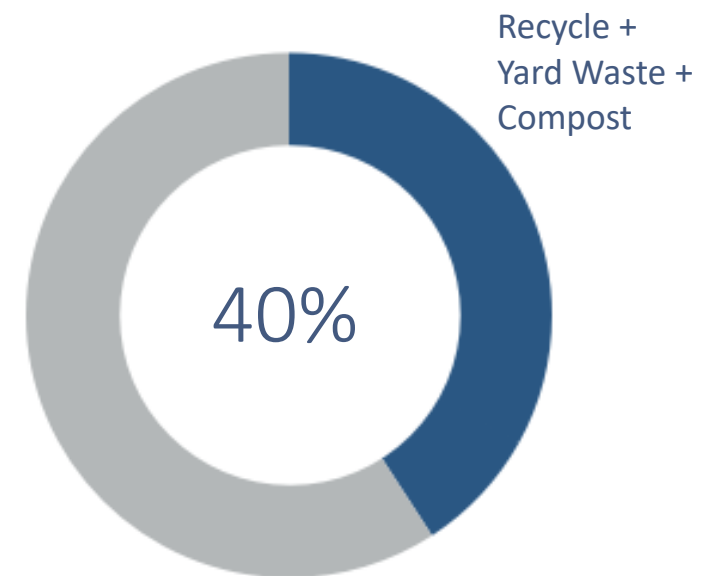
An equivalent of **215,000** tonnes **diverted** over 30 years.

Diversion rate:
the portion of
waste not sent
to the landfill.

*In 2020, recycle and yard waste
diverted 16% from landfills.*



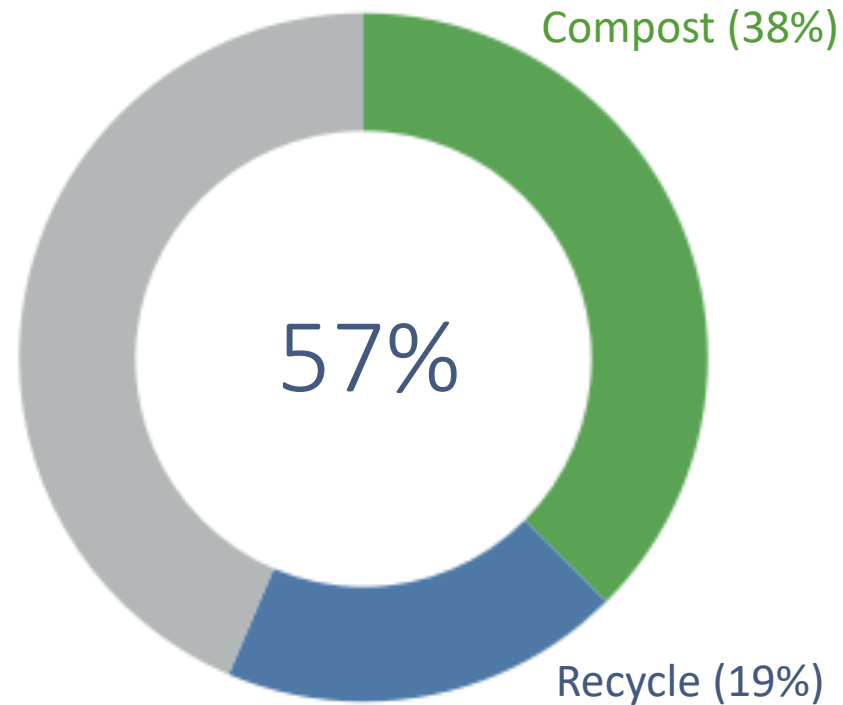
*With curbside compost, diversion
can increase to 40% by 2030.*



These projections are well-within reach.

Halifax's compost program **diverts more residential waste than it adds to the landfill.**

A Case Study Close to Home: If Halifax can do it, why not Fredericton?



THE BENEFITS OF COMPOSTING

Extend the Life of the Landfill

- Based on the current capacity of the Fredericton Region Solid Waste facility, the waste diverted from curbside compost could adding an additional 10 years to its useful life

Reduce Use of Toxic Fertilizers

- Compost is a natural alternative to harsh, chemical fertilizers that can be used for gardening, lawns, farming,



Source: CBC



Source: Inhabitat

THE BUSINESS CASE



Source: AIM Environmental Group



CALL TO ACTION



Pilot a curbside compost program in the City of Fredericton



Expand program across Region Service Commission 11



Benefit environmentally and financially



Contract out or develop a compost facility that can both collect and re-sell processed compost

THANK
YOU!