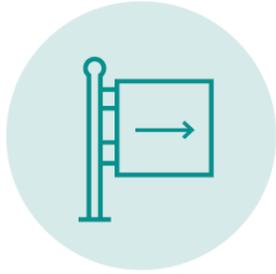


WELCOME

BROOKINGS SOLID WASTE MASTER PLAN

Master Plan Goals and Priorities



Resident and Employee Safety

Keeping residents and employees safe is of the utmost importance for the City. The plan evaluated how safety can be improved during collections and at the landfill.



Public Trust

Understanding what services are valued and used by residents is key to planning for a successful future. Feedback from the public is a major part of the Master Planning effort.



Financial Sustainability

Financial analysis was performed to ensure the City can provide excellent, cost-effective waste services for the foreseeable future. This includes comparing our rates with peer cities in the region.



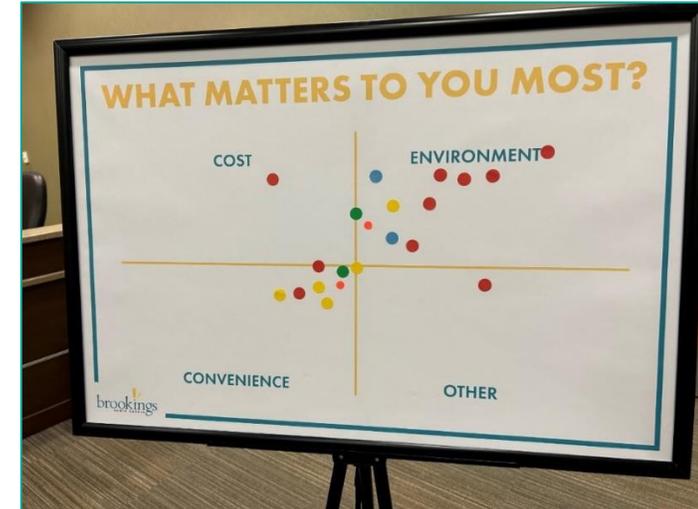
Public and Stakeholder Engagement

- **Stakeholder Engagement Meeting – March 2**

- Participants were satisfied with current services and supportive of existing City programs
- Input from the public on preferences and needs
 - Request for additional diversion/recycling options (including electronics recycling)
 - Request for a safer place for residents to dispose garbage at the landfill
- Findings from the meeting were built into the Master Plan

- **Stakeholder Engagement Meeting – June 1**

- Discussed key projects planned for landfill and collection services (next 10 years)
- Participants were supportive of recommendations



Recommendations for Collection



Expand the preventative maintenance schedule for garbage trucks and add additional technicians to the City's maintenance staff



Conduct a Route Optimization Study to improve route efficiency



Replace collection trucks every 5 to 7 years



Consider decreasing yard waste collection frequency to once per week



Establish a schedule for replacing garbage carts



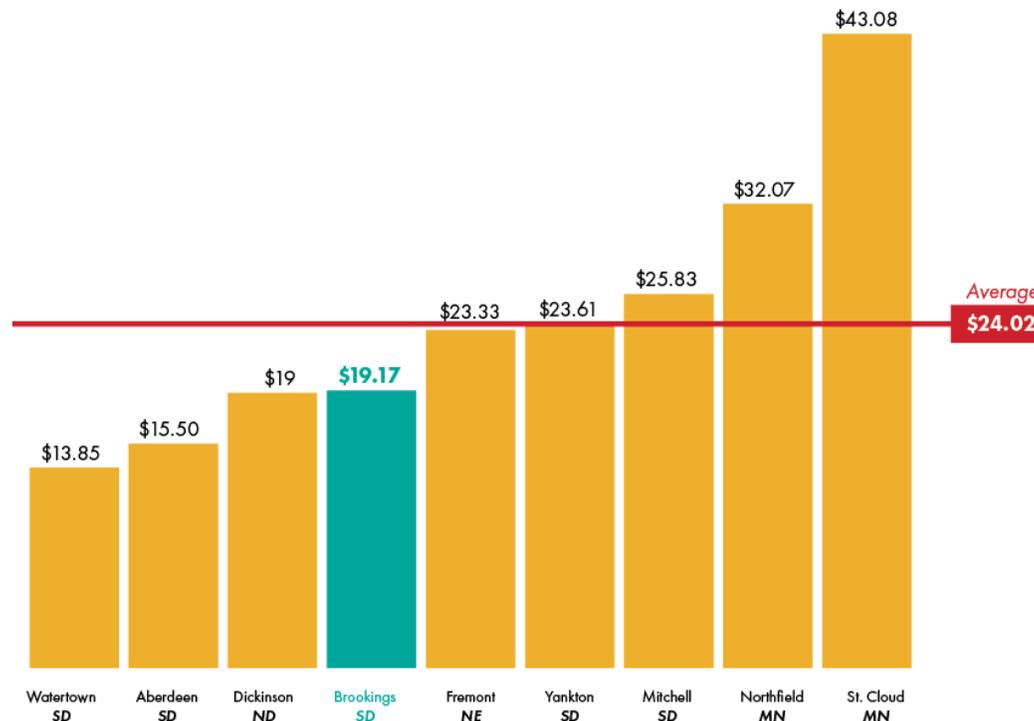
Add additional truck and driver to collections fleet

Financial Analysis



COLLECTIONS

Currently, residents pay **\$18 plus tax** per month for garbage, recycling, and twice weekly yard waste collections.



Average Cost of Collection Services (Trash, Recycling & Yard Waste) in Similar-Sized Midwest Communities

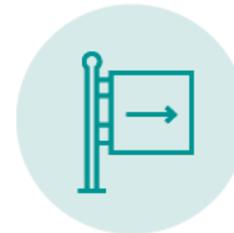
RECOMMENDATIONS

Rate increases are needed to fund capital replacement, compliance requirements, and a prudent reserve fund.

Landfill Operations Recommendations



Install a direct sewer line from the landfill to the wastewater treatment plant



Increase the public's comfort and safety at the landfill with added signage



The life of the landfill can be extended if the garbage is compacted more tightly.



Increasing Citizens Campus events for household hazardous materials, tires, electronic waste, etc.

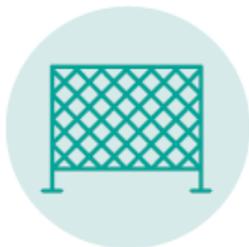


Install a passive gas venting system



Replacing equipment at end of life and purchasing backup equipment

Litter Control Recommendations



Add fencing to collect windblown litter



Rent or purchase litter picking equipment



Modify waste pushing direction to reduce the amount of windblown litter leaving the landfill grounds



Add policies to enforce tarping or covering loads that come into the landfill to reduce windblown litter



Landfill Site Expansion



Existing Site

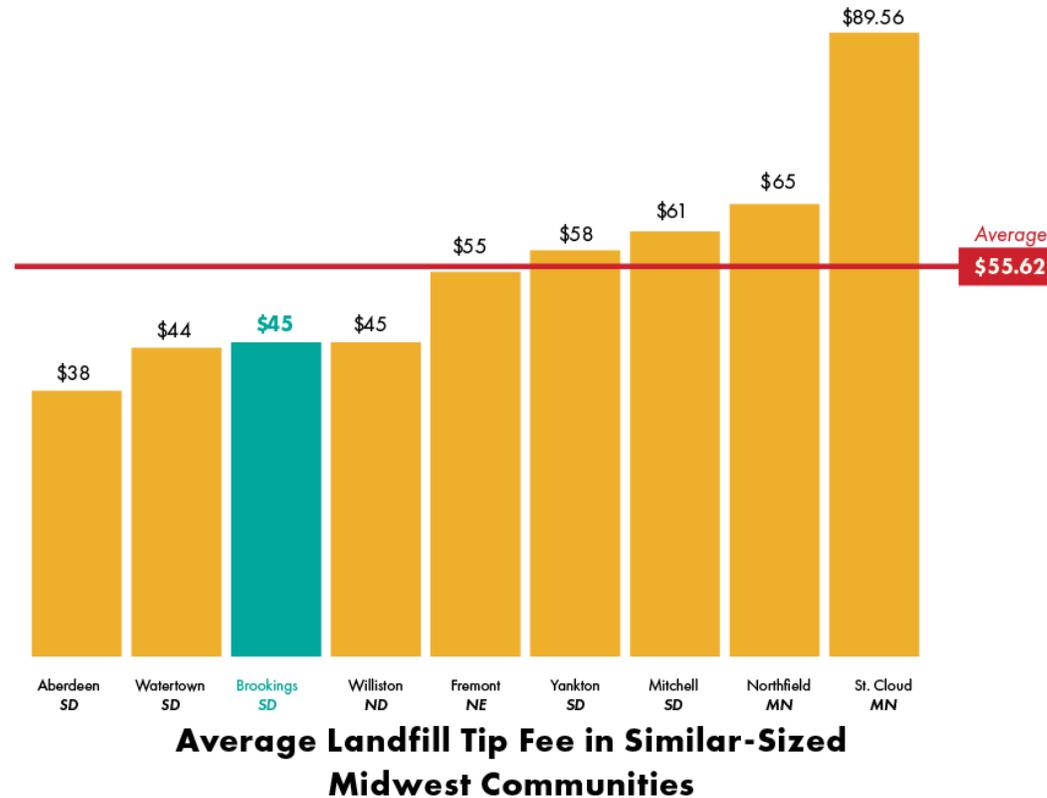


Financial Analysis



LANDFILL

Currently, residents pay **\$45 per ton** at the Brookings Regional Landfill to dispose of most types of waste.



RECOMMENDATIONS

Revenues at the landfill need to increase to fund capital replacement, compliance requirements, and a prudent reserve fund.

Diversion Rate

PERCENTAGE RECYCLED OR REUSED



LANDFILL

More diversion can extend the useful life of a landfill by saving space.

UNITED STATES AVERAGE

50%

Includes recycling, yard waste, household hazardous materials, electronic, and other materials.

BROOKINGS AVERAGE (curbside)

30%

Includes garbage, recycling, and yard waste collected curbside in Brookings. Additional diversion occurs at the landfill for other materials.

RECOMMENDATIONS

City residents can help increase diversion by learning about which materials can be recycled, recycling at the curb, and putting yard waste into the correct bin.

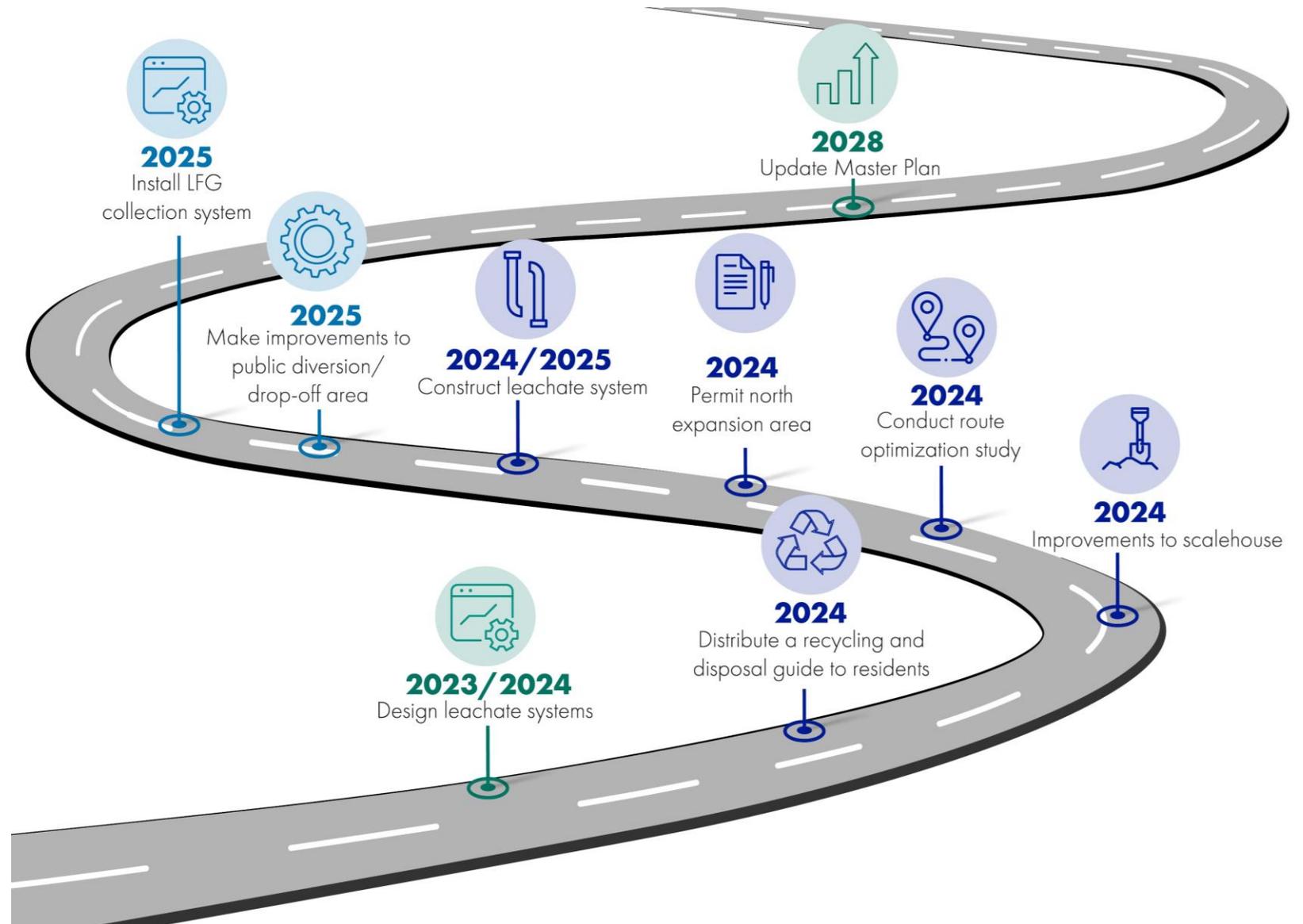
Summary

- The City currently provides exceptional services at a low cost compared to the regional community
- Stakeholders and the public are satisfied with current services provided
- The current system does not include a prudent operating reserve to ensure ongoing operations. The updated Master Plan includes an operating reserve fund
- There will be small increases in tipping fees and service fees to build out needed recommendations and reserves
 - Fees will still be lower than similar communities in the region
- Recommendations focused on:
 - Safety
 - Reducing risk
 - Educating residents



Roadmap Activities

- Design leachate systems
- Distribute a recycling and disposal guide to residents
- Improvements to scale house
- Conduct route optimization study
- Permit north expansion area
- Construct leachate system
- Make improvements to public diversion/drop-off area
- Install LFG collection system
- Update Master Plan



Questions?

BROOKINGS SOLID WASTE MASTER PLAN

Thank You!

BROOKINGS SOLID WASTE MASTER PLAN