

City Operations
Waste Services

Edmonton

Waste Services Climate Action Plan

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Utility Committee

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Waste Services and GHG Emissions

- Effective waste management has positive climate change impacts
- Corporate GHG reduction goals are supported by Waste Services through:
 - Waste reduction and diversion
 - Landfill gas collection
 - Ongoing infrastructure monitoring and renewal



Waste Services Climate Action Plan

- Identifies opportunities to reduce internal branch GHG emissions from buildings and assets in 2023-2030
- Forecasts a 28% reduction in internal GHG emissions from 2022 levels by 2030



Ambleside Eco Station

Climate Action Plan Categories

1. Building assets

- Recommission buildings for energy savings
- Switch fuel sources to electricity from natural gas



2. Heat conservation

- Adjusting ventilation based on building occupancy
- Reduce heating demands through air heat recovery systems



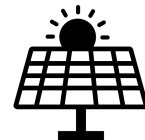
3. Low- and zero-emission vehicles

- Replace smaller Waste trucks with ZEV at time of renewal
- Build charging infrastructure at Waste facilities



4. Renewable energy generation

- Assess opportunities to produce renewable energy at Waste facilities (e.g. rooftop solar installations)



Climate Action Plan Funding

- Estimated cost for 2025-2026: \$2.69 million
 - Review all Waste Services buildings and their on-site electrical grids for renewable energy generation and energy efficiency opportunities
 - Create a decarbonization implementation plan
 - Assess buildings for heat switching and recommissioning potential
- Funded through savings identified in capital plan
 - Recommended capital funding adjustment included in 2025 rate filing
 - No additional impact to utility rates
- Separate business case required for remaining Climate Action Plan funding, will return to Utility Committee in 2026

Thank you. Questions?

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