



Welcome
to the

South Landfill Phase 2

Public Event

1-866-699-9425 / info@southlandfillphase2.com
southlandfillphase2.com

About Walker

Part of the Community for 136+ Years

At Walker, we strive to build a sustainable future by working alongside the communities we operate in. With this core vision, Walker has successfully operated in Niagara for over 136 years. Walker is a fifth-generation, Niagara based family-owned company with over 1,200 employees across North America.



Our Innovative Campus



Walker's Niagara Falls location has transformed into an integrated Resource Management Campus and is an important part of the region's waste management infrastructure. We have safely managed Niagara's waste for over 40 years.

Committed to Resource Recovery

We are continuously innovating and investing in solutions to recover and repurpose landfill-bound waste into sustainable materials and products to reduce society's environmental impact.



Learn more about Walker's Resource Management Campus:



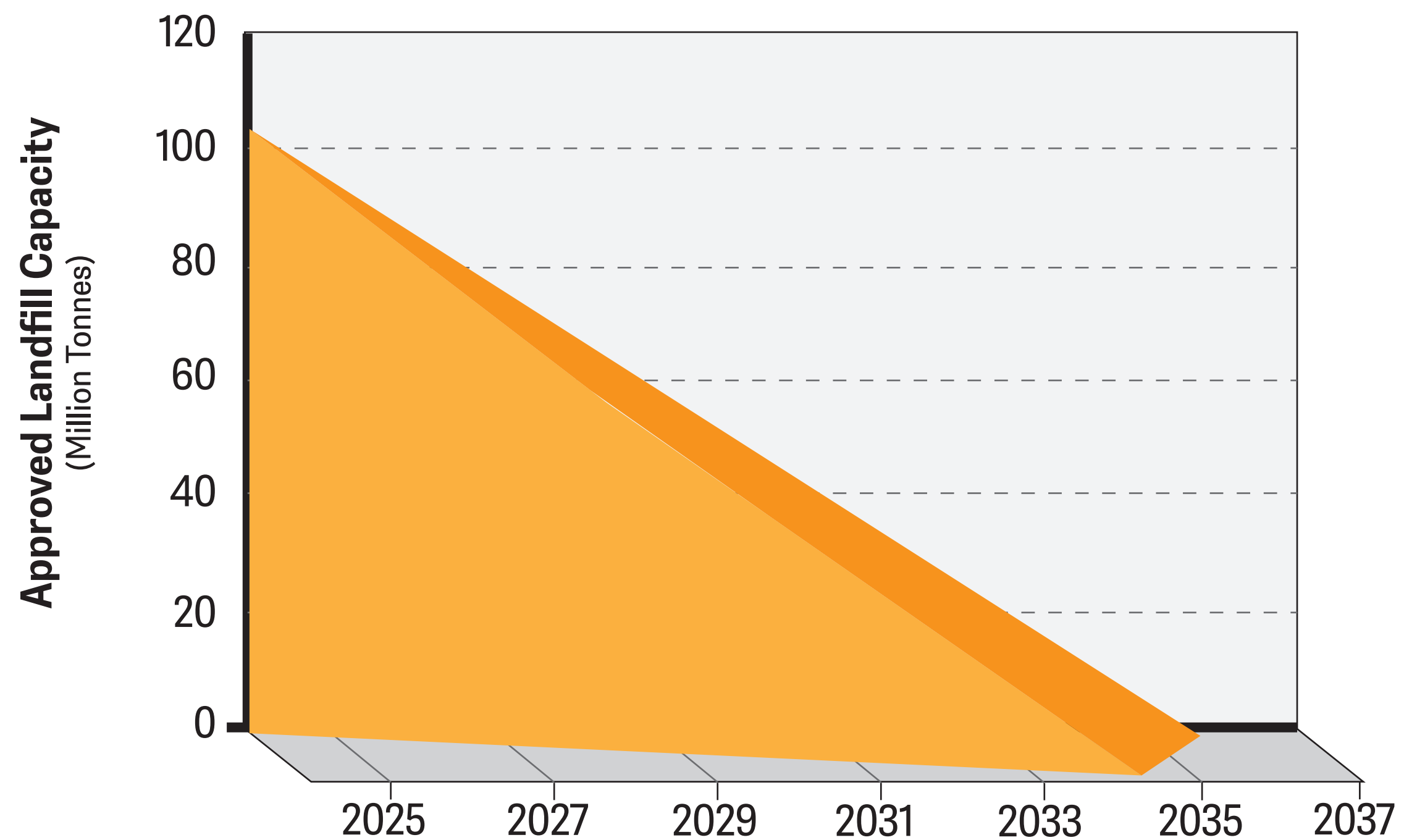
Niagara's Waste Disposal Solution

South Landfill Phase 2

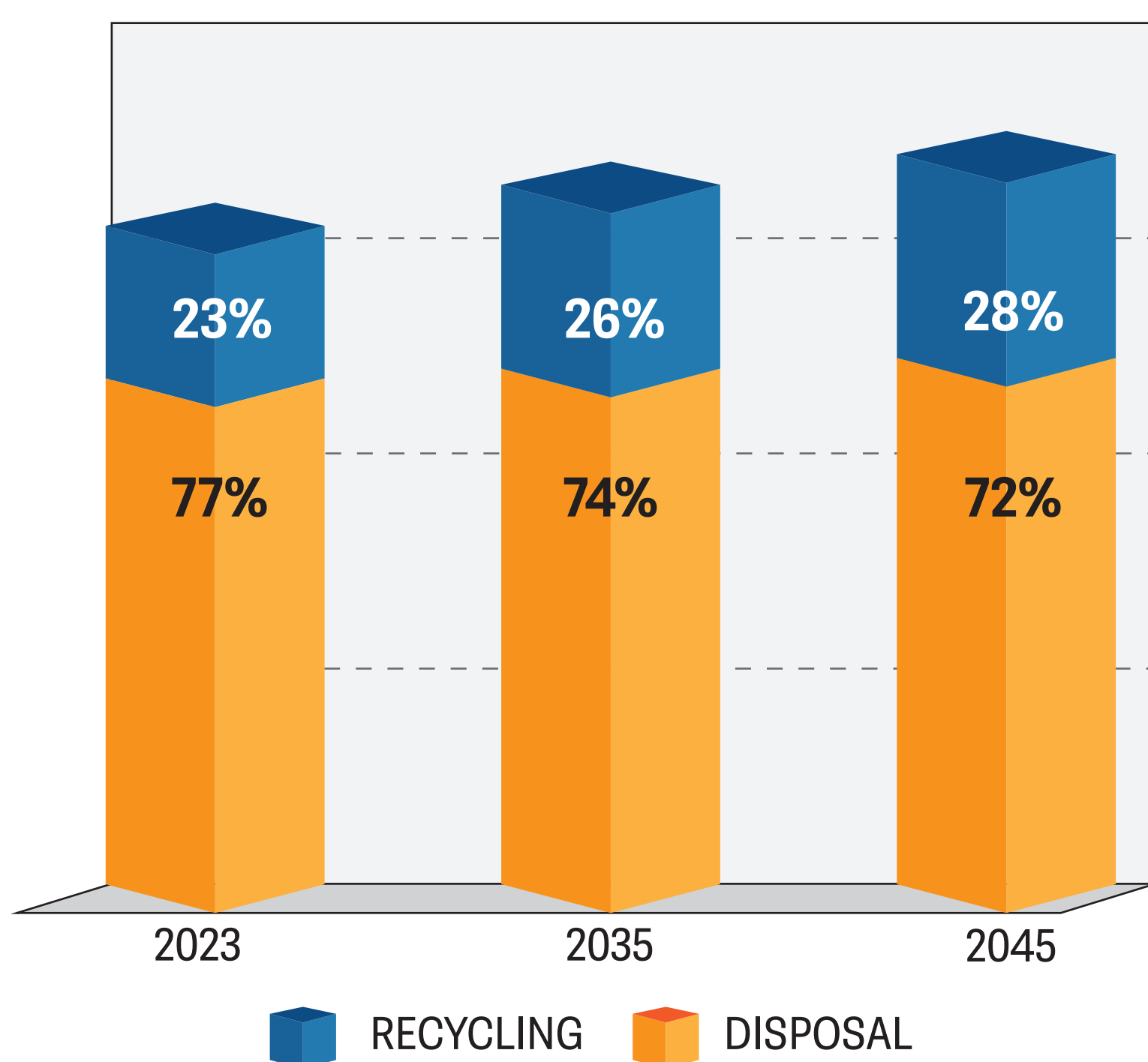
Ontario is expected to run out of landfill capacity by 2035

- Existing landfills are quickly filling up
- Population & waste generation are increasing
- It takes up to 10 years to develop new landfill capacity

ONTARIO'S REMAINING LANDFILL CAPACITY



ONTARIO'S RECYCLING & DISPOSAL RATES

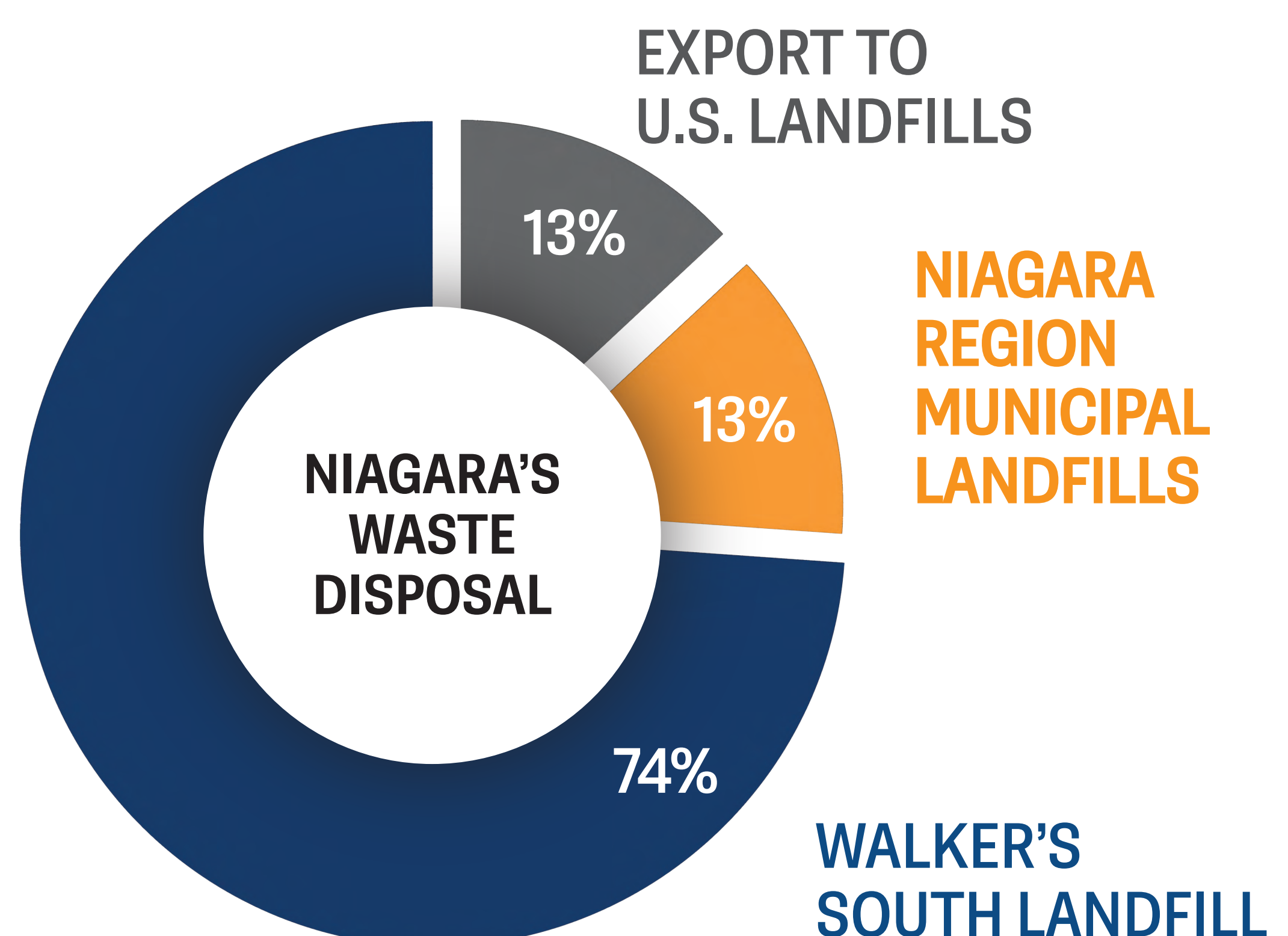


Despite recycling efforts, there will still be materials requiring safe disposal

- Even with increased recycling and Green Bin composting, landfills are still needed to safely manage residual waste

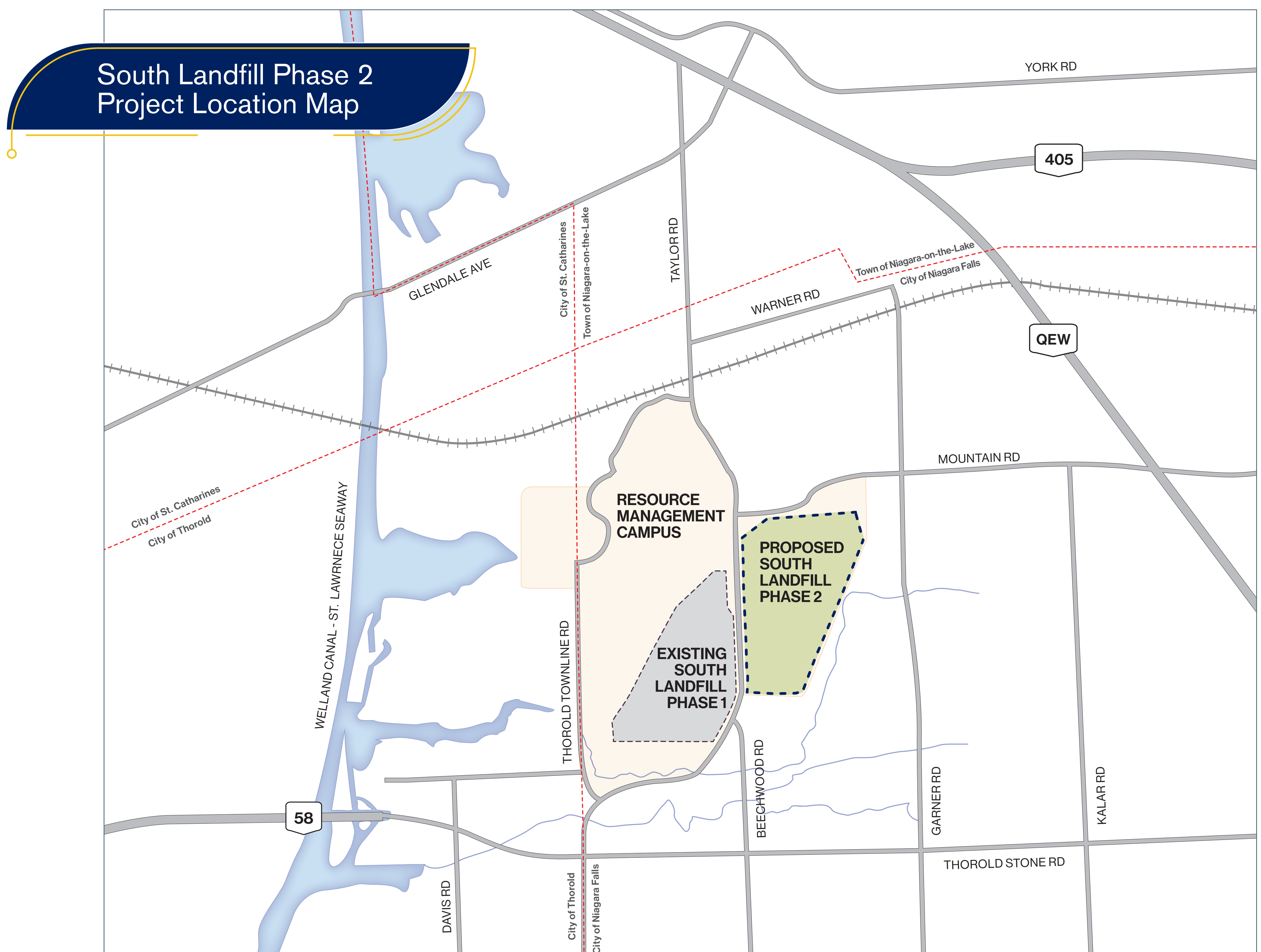
Niagara is no exception, additional disposal capacity is needed

- Over 2/3 of Niagara's waste is currently managed at the South Landfill, which is expected to reach capacity by 2030



Safe & Reliable Waste Management

- The existing phase of Walker's South Landfill on Taylor Road in Niagara Falls is soon approaching **capacity**, with approximately **5 years remaining**.
- As the Niagara region continues to grow, planning for long-term waste disposal capacity is increasingly important. Despite recycling and green bin composting efforts, **Niagara requires landfill space** to safely manage non-recyclable materials.
- Using existing waste management infrastructure, Walker is proposing to **continue to operate the South Landfill** by developing **Phase 2** on the eastern portion of our Resource Management Campus, as shown below.



The Future Development of the South Landfill

Walker is proposing the future development of its South Landfill, **a state-of-the-art engineered landfill**, designed with exceptional safety and environmental controls.

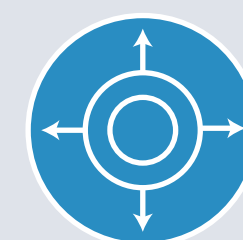


Image showing the construction of several layers of the engineered landfill liner

Key Facility Information



1.1 million tonnes of solid, non-hazardous waste per year



18 million m³ total capacity



20 years of safe disposal



~500 jobs supported in Niagara

Did you know?

Walker harnesses the **renewable energy** generated from its Niagara landfill

Walker harnesses enough renewable energy from its landfill to power ~16,000 homes annually.

Phase 2 is estimated to produce an additional 10,000 homes worth of green energy.



An Environmental Planning Process

The South Landfill Phase 2 project must undergo a **rigorous planning and decision making process** called an Environmental Assessment (EA).

This process is **regulated by the Ontario Ministry of the Environment, Conservation and Parks (MECP)** through the *Environmental Assessment Act* which is designed to protect, conserve, and wisely manage Ontario's environment.

A Two-Step Process

Step 1 Terms of Reference (TOR)

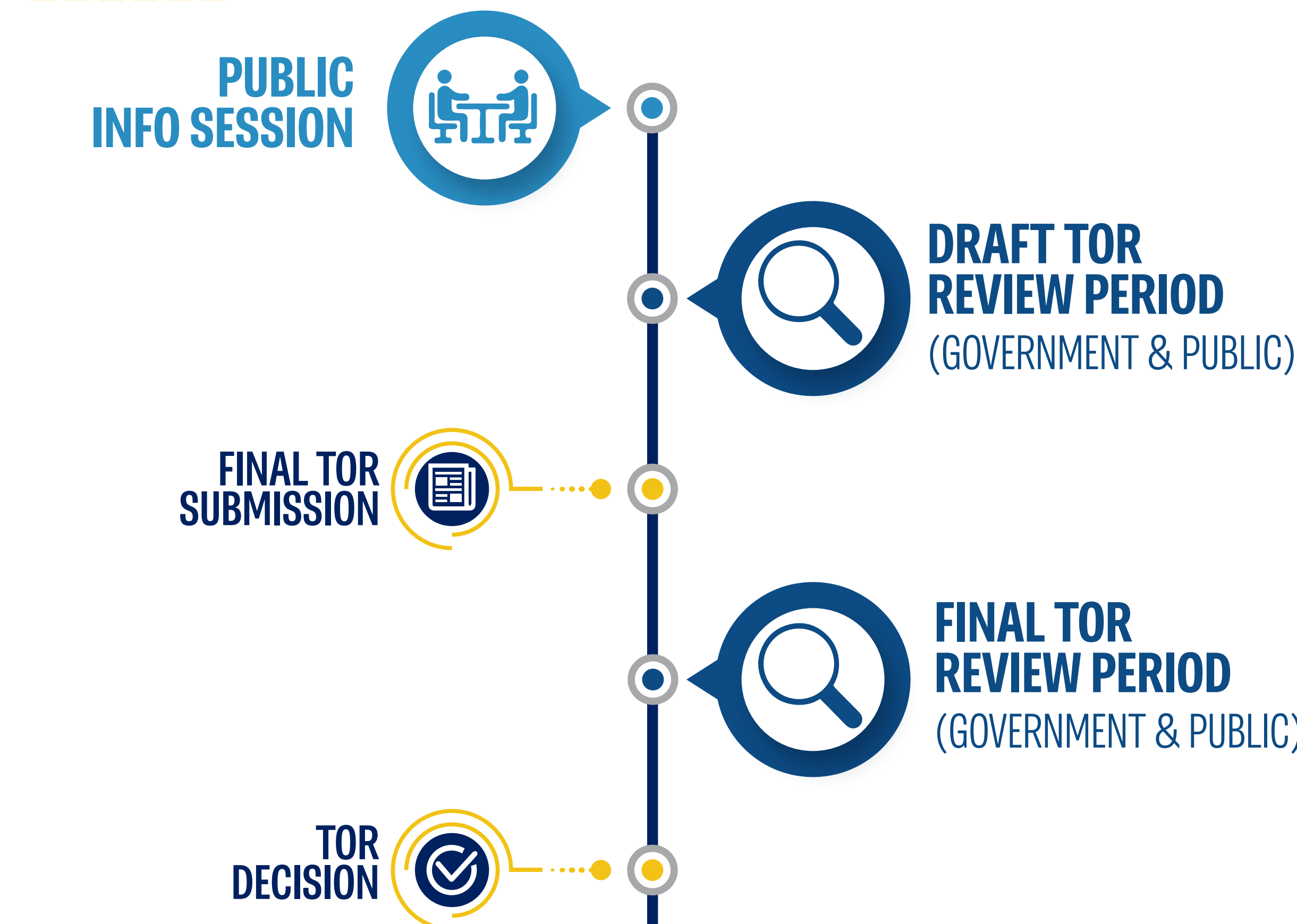
This is the initial step in the EA process. It is a document that serves as the roadmap for what will be studied in the EA and outlines the public consultation that will take place.

Step 2 Environmental Assessment (EA)

This is where the scientific studies occur. These studies identify the effects of the project, both positive and negative, and proposed mitigation measures where needed.

EA Process

TERMS OF REFERENCE



ENVIRONMENTAL ASSESSMENT



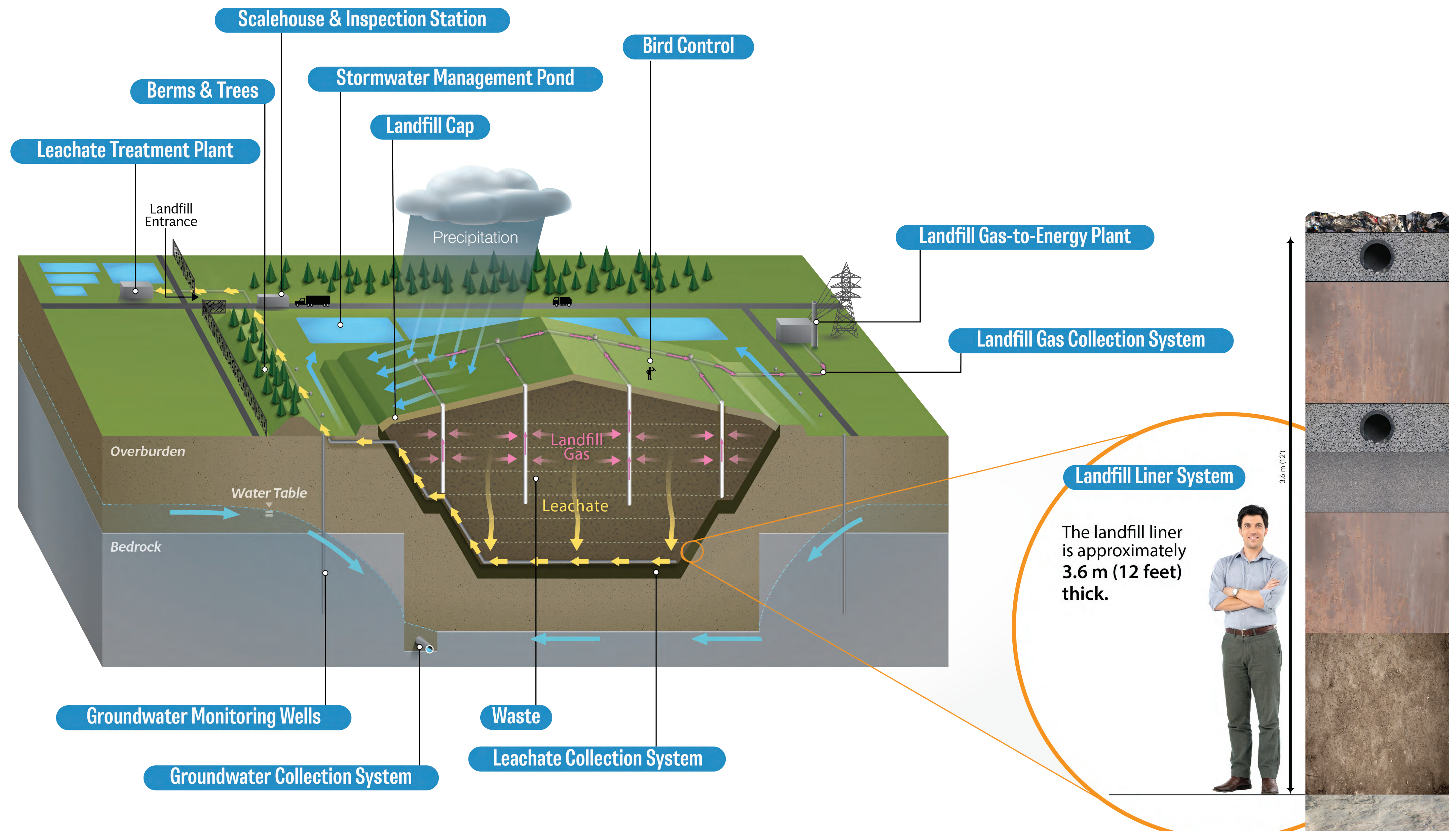
Learn more about the EA process:



Designed & Operated to the highest standard

Key Features

- Sophisticated **12-foot multi-layer liner** that creates a barrier between waste and the environment
- **Leachate collection & treatment system** for removal & treatment of water that comes into contact with waste
- **Landfill gas collection system** & renewable natural gas production to reduce emissions
- **0.75 m thick final landfill cap** to prevent water infiltration and control odour



* Liner system currently used at the South Landfill.

The Draft EA Report Process

An Environmental Assessment (EA) is a **comprehensive study** and process used to **predict** and **evaluate** potential effects of a project.

How is an EA conducted? 4 Key Steps:

- 1

Alternative To
Evaluate alternatives to the project such as increased recycling, incineration, and do nothing.
Completed: Approved Terms of Reference - September 10, 2024
- 2

Alternative Methods
Evaluate alternative ways of developing the project. (e.g. different locations, designs, and facility characteristics)
Public Information Session held March 18, 2025
- 3

Recommended Method
Selection of the preferred / recommended project design.
Public Information Session held June 18, 2025
- 4

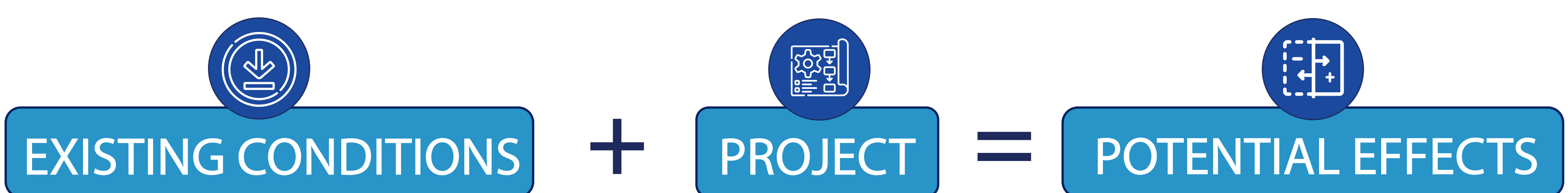
Detailed Impact Assessment

4a

Existing Conditions
Investigate, study and document the existing environmental conditions.
Public Information Session held July 8, 2026.

4b

Detailed Impact Assessment
Evaluate and predict what might change (+/-) from the existing conditions (social, economic, environmental).
Public Information Session held July 8, 2026.



Summary of the Draft EA

The Draft EA Report Main Conclusions:

- **Not much is expected to change** around the Campus as a result of the development of South Landfill Phase 2.
- South Landfill Phase 2 represents a **continuation of existing operations** (same waste type, annual volume, and level of site activity).
- **Some things do change:**
 - ◆ Operations and nuisance **effects shift slightly to the east**
 - ◆ Some Campus **effects reduce or stop** as a result of the quarry operations ending
- **No significant effects are predicted.**
- However, some **minor nuisance related effects** are predicted under worst case scenarios (peak operations, peak background, and worst case weather):
 - ◆ **Dust / Particulate** at north and west of the landfill
 - Low, localized, infrequent occurrences during combined Phase 2 and quarry operations as the quarry nears the end of its operational life
 - ◆ **Odour** at residences on the east of the Campus
 - Low, localized, infrequent as operations shift eastward
- Some **minor nuisances** are expected at properties within 500 m of the fill area (e.g. odour, litter, dust, noise, visual)

Draft EA Findings Summary

by Technical Discipline

The South Landfill Phase 2 Draft EA Conclusions

The following table summarizes predicted net effects from each technical discipline.

Field of Study / Significance of Effects	Key Findings / Net Effects
Cultural Heritage No significant Effects	▪ Located within an existing industrial land use (current quarry operations), no historic sites affected ▪ No Indigenous resources / artifacts recovered requiring further study
Traffic No significant Effects	▪ Same haul route as Phase 1 / use of Taylor Road entrance ▪ Existing road network has sufficient capacity ▪ No road network safety issues identified
Land Use No significant Effects	▪ Amendments to local and regional planning will be required ▪ Approvals required from local regulatory agencies
Agricultural No significant Effects	▪ Increase in ~15 ha of agricultural lands (compared to quarry end-use) ▪ Slight decrease in soil classification (based on slope / grade) ▪ Improved soil suitability due to lack of cold air sink (quarry depression)
Groundwater No significant Effects	▪ Landfill liner is fully protective of the environment ▪ Inward groundwater gradient provides enhanced contingency measures
Surface Water No significant Effects	▪ Stormwater management ponds will meet quality / quantity control requirements ▪ Stormwater management ponds will mitigate flooding and erosion risks
Ecology Aquatic No significant Effects	▪ Stormwater management ponds will be designed to control quality / quantity ▪ Standard mitigation measures for facility construction and operation to minimize effects on habitat or culturally important species
Ecology Terrestrial No significant Effects	▪ Small area of vegetation (~ 10 ha) to be disturbed. Disturbances are temporary (will be re-instated after construction / operation) ▪ Some potential habitat (e.g. bat) may be disturbed but can be compensated with new / enhanced habitat and connectivity in areas directly adjacent (eastern perimeter of site / 10 Mile Creek)

Draft EA Findings Summary

by Technical Discipline

Field of Study / Significance of Effects	Key Findings / Net Effects
Air Quality - Noise & Vibration No significant Effects	▪ Landfill activities / operations will meet provincial noise criteria (am & pm) ▪ Exception is use of bird control devices; mitigation is required which will restrict use in certain areas / elevations (protocols currently exist for Phase 1)
Air Quality - Particulate No significant Effects	<u>Particulate / Dust</u> ▪ Low, localized, infrequent dust predicted west and north of the Campus ▪ Frequency is approximately 3 days/yr; only during peak campus activities (combined landfill & quarry operations as the quarry nears its operational life, 2030-2034) <u>PM2.5</u> ▪ Slightly exceeds provincial criteria at all receptors ▪ Dominate source is background (existing air quality not from Walker operations) - PM2.5 is a tailpipe emission regionally ▪ Walker Campus is only 5% and Phase 2 is only 2% of the provincial criteria
Air Quality - LFG No significant Effects	<u>Benzene</u> ▪ Exceeds annual criteria ▪ Dominant source is background - (Phase 2 only adds 0.2% total) ▪ Single anomalous data point (e.g. diesel truck directly upwind of monitor) - consultation with MECP underway
Air Quality - Odour No significant Effects	▪ 3 odour units - minor exceedances predicted slightly more than 0.5% of the time (44 hrs/yr) within ~750 m directly east and west of the Campus ▪ 5 odour units - minor exceedances predicted at six receptors near the campus boundaries but at frequencies below 0.5% of the time ▪ 3-5 odour units is characterized as the nuisance threshold
Air Quality - Litter No significant Effects	▪ Some occasional litter predicted within 500 m of fill area but managed through Best Management Plans & Practices
Visual No significant effects	▪ Landfill will be visible, at certain times, from select viewpoints ▪ Visual impact can be minimized via permanent / temporary screening measures like berms, increased vegetation, operational considerations
Economic No significant negative effects Significant positive effects	▪ Predicted effects on local businesses are low to none ▪ No effects predicted on property values ▪ Significant positive effect on local economy; public sector revenues, local / affordable waste disposal service to local economy, job, business and economic opportunities
Social No significant effects	▪ Nuisances with potential to affect use / enjoyment of properties predicted within 500 m of the fill area (noise, litter, odour, dust, visual) ▪ Compensation recommended
Greenhouse Gas * Note - Greenhouse Gas effects are required to be reported in the EA (per the Terms of Reference) however, there are no provincial or federal performance criteria / regulatory limits. Therefore, a level of significance of this effect is not assigned.	▪ Net 1.9 - 3.0 M tonnes CO₂e of emissions generated over the life of the project, including after closure. (45 yrs) ▪ Utilization of landfill gas is considered in the study

Mitigation, Monitoring & Reporting

Recommended Mitigation & Compensation

Mitigation and compensation measures are recommended to minimize effects:



Continue Best Management Practices
(e.g. odour, dust, visual, bird, and noise controls etc.)



Tree Planting / Vegetative Screenings
To reduce noise, litter, odour, dust, and visual impacts while enhancing habitat connectivity.



Tree Planting / Habitat Creation
To offset minor habitat loss due to facility construction, specifically bat roosts.



Property Value Protection (PVP)
Re-establishment of the existing PVP plan for residential properties within ~1 km of the fill area as a precautionary measure.



Compensation
For all residential properties within 500 m of the fill area.

Monitoring & Reporting

Regular monitoring will be conducted to ensure the facility is **protective of the environment** and **compliant with regulations** for parameters including:



Surface Water



Groundwater



Air Quality



Complaints



Vegetative Plantings



Inspections and Maintenance

Comprehensive annual reporting is **required by the Ontario Ministry of the Environment, Conservation and Parks**. The annual monitoring report documents monitoring data and site status and is publicly available.

Supporting Niagara

for over 136 years

Walker has a long history
of being an active community partner



Jobs & Employment

- Supporting approximately **500 jobs in Niagara** through our current waste management & resource recovery operations



Community Giving

- Donations and giving totalling over **\$1.4 million annually** to charities, community groups, and infrastructure in communities where Walker operates



Volunteering

- Providing employees **2 paid volunteer days** per year to support local community initiatives



Awareness & Education

- Supporting educational activities by participating in **community events, giving tours and presentations, and through partnerships**

Learn more about Walker's community partnerships:



We Want to Hear from You



Your feedback is **valuable** and **community input** will be considered so that we can put forth a **Niagara-based solution**.

Connect With Us & Stay Involved



PROJECT WEBSITE

Visit to learn more &
sign up to receive notifications
southlandfillphase2.com



PHONE

Call us at
1-866-699-9425



EMAIL

Send us an email at
info@southlandfillphase2.com



EVENTS

Attend public
information sessions