



Edmonton Waste Management Centre

The Edmonton Waste Management Centre (EWMC) is a unique collection of advanced waste processing and research facilities where waste is transformed into useful resources.

- The Centre is 233 hectares in size which is equivalent to almost five West Edmonton Malls.
- The combined area of all the buildings on site is 80,000 square metres, with the Edmonton Composting Facility itself occupying space equivalent to almost five football fields.
- On average, 4,500 trucks bearing 9,800 tonnes of material cross the scale every week.
- Over 15,000 students, teachers and adults tour the Centre each year.

Many of the activities on site at the EWMC represent partnerships with private sector organizations.

Activities include:

- Composting
- Sorting mixed recyclables
- Producing biofuels from processed waste
- Sorting mixed construction and demolition waste
- Processing electronic and electrical waste
- Producing electricity from landfill gas

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9 Landfill Gas Recovery System
Captures and converts landfill gas into electricity – enough to power up to 4,600 homes annually.



15 Waste to Biofuels & Chemicals Facility (Enerkem)
Converts non-recyclable and non-compostable waste into methanol and ethanol.



10 Construction & Demolition Recycling Facility (C&D)
Processes mixed and segregated loads of wood, drywall, concrete, metals and asphalt shingles for recycling.

16 Research & Development Facility
Provides research and technology demonstration opportunities through the Edmonton Waste Management Centre of Excellence.



17 Advanced Energy Research Facility
Tests diverse waste feedstocks for gasification and production of ethanol and methanol.



11 Compost Curing & Biosolids Composting Area
Operational area for composting biosolids and yard waste, as well as curing compost produced at the Edmonton Composting Facility.

18 Operations Facility
Daily site operations and maintenance are conducted from this facility.



3 Anaerobic Digestion Facility (ADF)
Will convert organic waste into compost and renewable energy. Expected to begin operation in 2018.



5 Materials Recovery Facility (MRF)
Sorts and processes recyclables collected in Edmonton's Blue Bag, Blue Bin and Recycling Depot programs.



7 Clover Bar Landfill (closed)
An engineered sanitary landfill that features systems for groundwater diversion, leachate collection, landfill gas recovery and native revegetation. Operated from 1975 to 2010.



12 Leachate Treatment Plant
Physically, biologically and chemically processes liquid extracted from the landfill.



19 Weigh Scale
The access point for all vehicles entering the EWMC.

1 Integrated Processing & Transfer Facility (IPTF)
Receives garbage and prepares it for composting, conversion to biofuels and transfer to landfill.



4 Residential Transfer Station
A convenient, one-stop area for residents to safely drop off garbage, recyclables and household hazardous waste.



6 E-Waste Recycling Facility (GEEP Alberta Inc.)
Processes computers, televisions and a wide range of other electronic and electric waste for recycling.

8 Biosolids lagoons
Store biosolids (treated sewage sludge) for composting and other diversion programs.

13 Equipment Maintenance & Storage Facility
Services heavy duty and specialty equipment used on site.

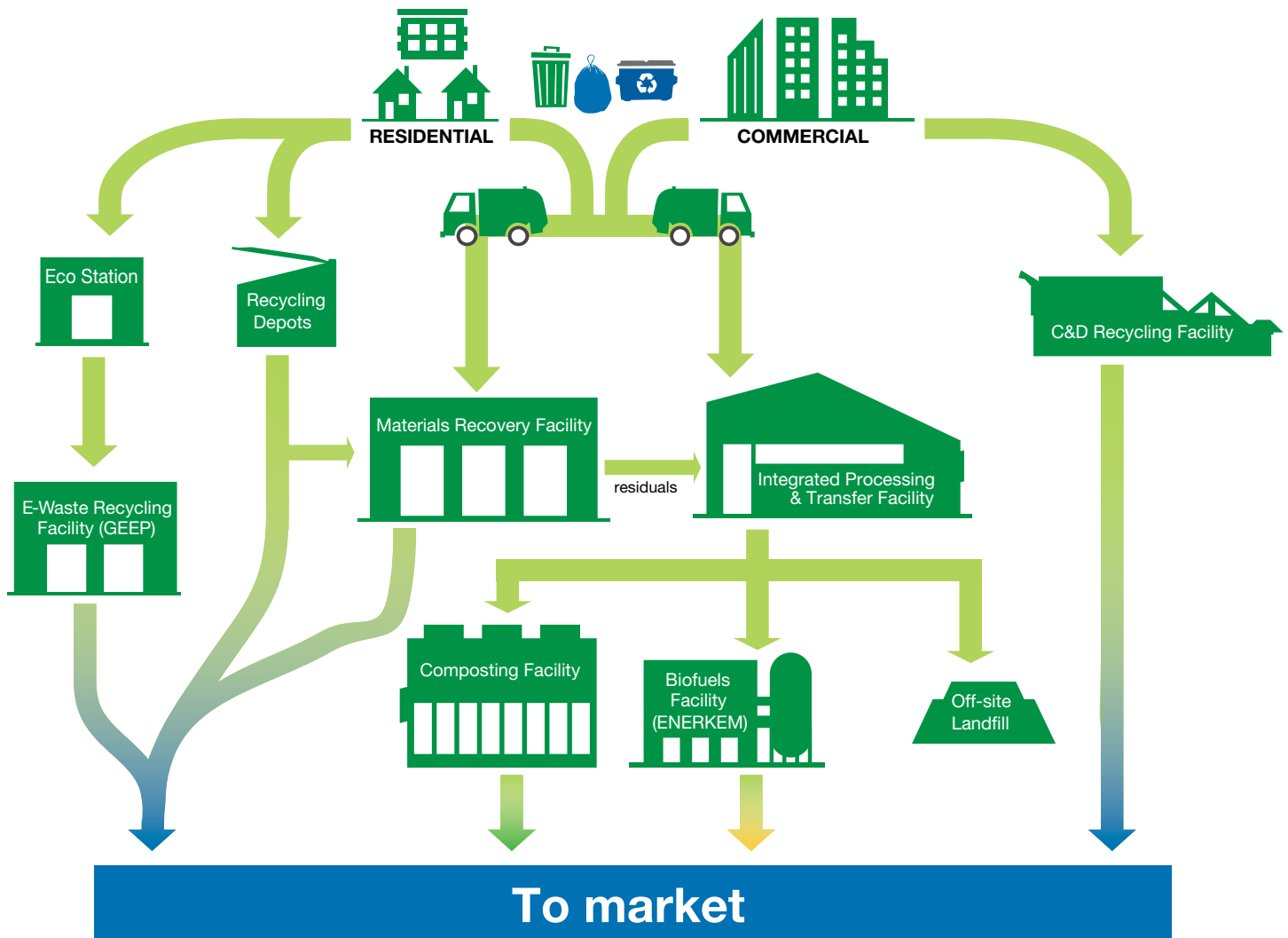
20 Administration & Training Facility
Houses EWMC management, education and training areas.



2 Edmonton Composting Facility (ECF)
Converts organic waste and biosolids into compost.

14 Former Paper Recycling Facility
Future use to be determined.

Edmonton's Waste Management Process



Questions?

Call: 311
 Email: wasteman@edmonton.ca
 Web: edmonton.ca/waste
 Address: 250 Aurum Road NE

Hours of Operation

Administration: Mon to Fri: 8:30 a.m. – 4:30 p.m.
 Recycling and Waste Disposal Facilities:
 Mon to Fri: 7:30 a.m. – 7:00 p.m.
 Sat, Sun, and Holidays: 8:00 a.m. – 5:00 p.m.
 Closed Christmas Day, Boxing Day and New Year's Day

