



5150 Riverbend Drive, Burnaby

# Waste-to-Energy Facility

## Facility Description

Metro Vancouver's Waste-to-Energy Facility has operated in Burnaby since 1988 and handles about 250,000 tonnes of garbage per year – roughly a quarter of the region's garbage. It is a mass-burn facility that turns waste into electricity (enough to power 16,000 homes) and recovers approximately 6,500 tonnes of ferrous and 500 tonnes of non-ferrous metal annually.

The waste-to-energy process is monitored 24 hours a day, seven days a week, 365 days a year from a control room located on site. Facility emissions data and compliance reports are available on Metro Vancouver's website in real time. The range of emissions monitored, includes common air contaminants such as nitrogen oxides (NO<sub>x</sub>) and particulate matter (PM), as well as acid gases, trace metals, trace organics, and dioxins / furans.

The facility receives waste from an average of 80 mechanically unloading trucks per day that empty their loads into a large garbage bunker.

**Site Area:** 1.8 hectares (4.4 acres)

**Building Area:** 70 m x 70 m = 4,900 m<sup>2</sup>

**Annual number of customers:** 24,678

**Direct Haul:** 123,683 tonnes

**Transfer:** 120,679 tonnes

**Total Processed:** 244,362 tonnes

