



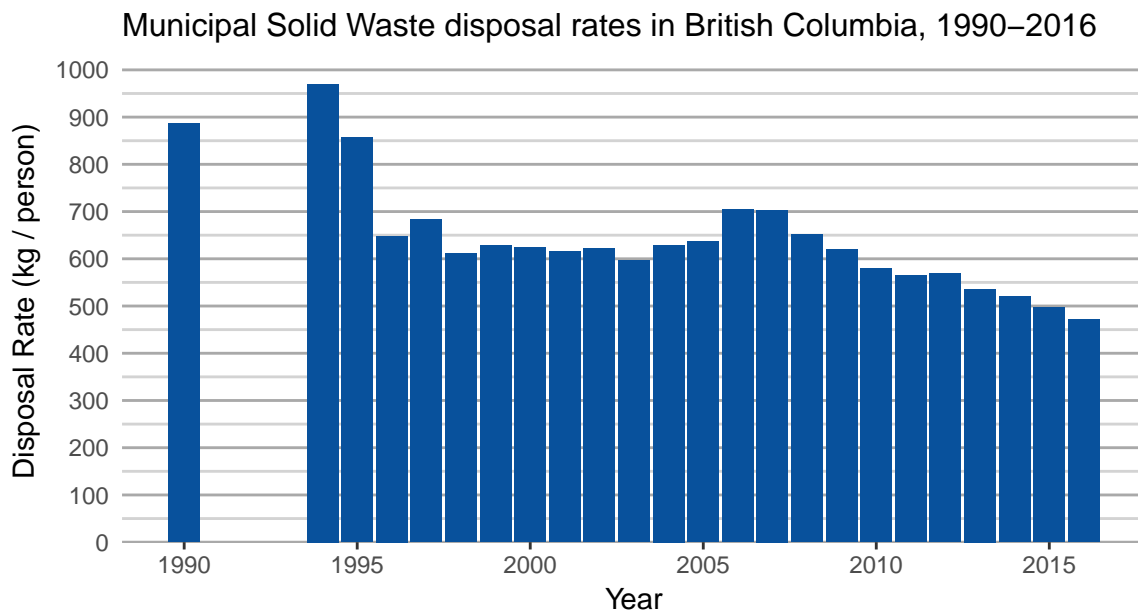
## Sustainability

### Municipal Solid Waste Disposal in B.C. (1990-2016)

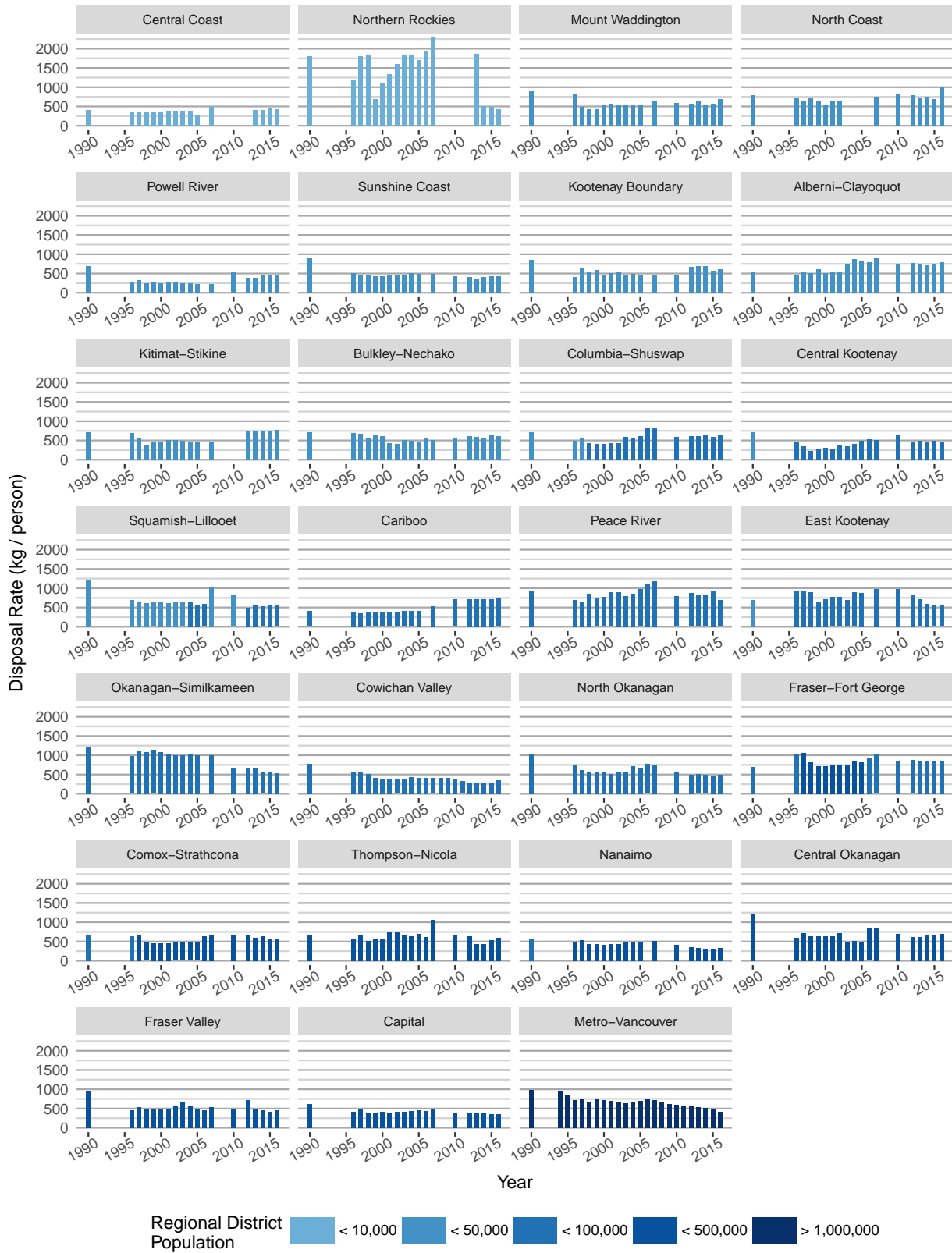
This indicator reports the estimated amount of municipal solid waste disposed per person for each regional district and for British Columbia. Per-person disposal rate is an estimate of how many kilograms of solid waste one person sends to a landfill or other disposal site in a given year.

- Approximately 2.3 million tonnes of municipal solid waste was disposed of in B.C. in 2016. While there has been an overall decreasing trend in municipal solid waste disposal rates since the 1990's, much of the waste disposed of could be reduced (by not being generated in the first place), repurposed, composted or recycled.
- Waste reduction efforts will become more and more important as the [B.C. population continues to increase](#), landfills approach their capacity for receiving new waste, and the imperative to reduce greenhouse gas emissions from waste disposal grows.
- Tracking waste disposal across B.C. is important as it provides historic trend information and the current status of waste disposal—both of which inform and guide efforts to reduce the amount of waste we create.
- In 2016 British Columbians disposed of an average of 472 kg of municipal solid waste per person—down 97 kg per person from 2012.
- British Columbia has set provincial waste disposal targets with a long-term goal of lowering the municipal solid waste disposal rate to 350 kg per person by 2020.<sup>1</sup>
- Variability in disposal rates from one region to the next is influenced by factors such as population density, economic activity, tourist and transient population fluctuations, distance to recycling markets, the role of various stewardship agencies operating in an area and the capacity and infrastructure in place in a region. While disposal rate data don't tell the whole story, they are useful in setting the stage for continuous improvement in waste management in B.C.

The charts below show the estimated per person weight of solid waste disposed of each regional district and the province as a whole.



Municipal Solid Waste disposal rates in B.C. Regional Districts, 1990–2016



**What is Included in Disposal Rate?**

- Disposal rates reported here include waste from the residential sector, institutional, commercial, and light industrial sources as well as waste from construction, demolition and renovation activities.
- Disposal rates do not include hazardous, biomedical, or agricultural waste, motor vehicles or components, heavy industry, or contaminated soil.
- Waste that is reused or recycled is also not included.

**Interpreting the Data:**

- 2016 disposal rates were provided by regional districts through the completion of the municipal solid waste disposal calculator.
- Where no bar is shown on a chart for certain previous years, a verifiable estimate was not available.
- Historic disposal rates cannot be directly compared between years because the data were collected using different methods. However, the data from 2012 onward have been collected using the same methodology.
- In some cases, waste from light industry may be included in the municipal solid waste disposal rate data as it cannot be disaggregated.
- Regional District population estimates are sourced from [BC Stats](#). Squamish-Lillooet, East Kootenay, and Fraser Fort-George population estimates have been adjusted based on data submitted by the Regional Districts.
- Disposal rates for Comox Valley and Strathcona are reported as one as they handle their waste stream [together](#).
- The Skeena-Queen Charlotte Regional District is now called North Coast Regional District.
- Beginning in 2014, the disposal rate for Northern Rockies was derived by removing 'bulky-waste commercial' from their disposal total. This waste stream comes from oil and gas industrial processes which is excluded from municipal solid waste.

Regional districts that wish to update the waste disposal data reported above should contact the Environmental Standards Branch at [envprotdiv@Victoria1.gov.bc.ca](mailto:envprotdiv@Victoria1.gov.bc.ca). Input from regional districts will also serve to inform future waste reporting methodology development. The **R** code supporting this indicator is [available on GitHub](#).

**References and Other Useful Links:**

- Find out where to recycle using the Recycling Council of British Columbia's [Recyclepedia App](#).
- [Product Stewardship in B.C.](#)
- [Solid Waste Management Planning in B.C.](#)
- [British Columbia's Environmental Management Act](#)
- [Waste Management Industry Survey: Business and Government Sectors. Statistics Canada \(2013\) \(PDF\)](#)
- [Waste Management in Canada. Statistics Canada \(2012\). See section 3.1, Municipal solid waste. \(PDF\)](#)
- <sup>1</sup>[British Columbia Ministry of Environment and Climate Change Strategy and the Environmental Assessment Office 2018/19 – 2020/21 Service Plan \(February 2018\) \(PDF\)](#)

**Data**

\*By accessing these datasets, you agree to the license associated with each file, as indicated in parentheses below.

- [Municipal Solid Waste Disposal, 1990-2016](#) (License: [OGL-BC](#))

Published and Available On-Line at Environmental Reporting BC (May 2018): <http://www.env.gov.bc.ca/soe/indicators/waste/municipal-solid-waste.html>