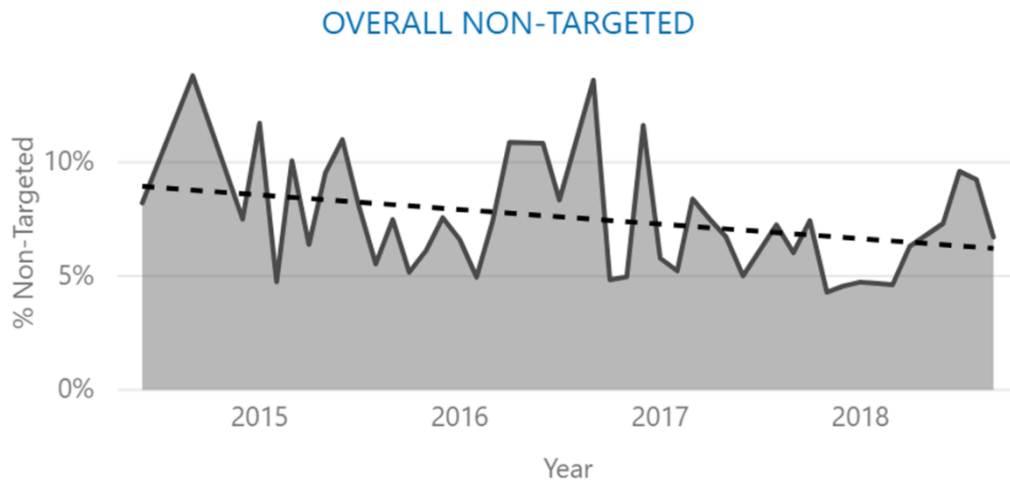


ATTACHMENT 4. COMPARISON OF CONTAMINATION RATES

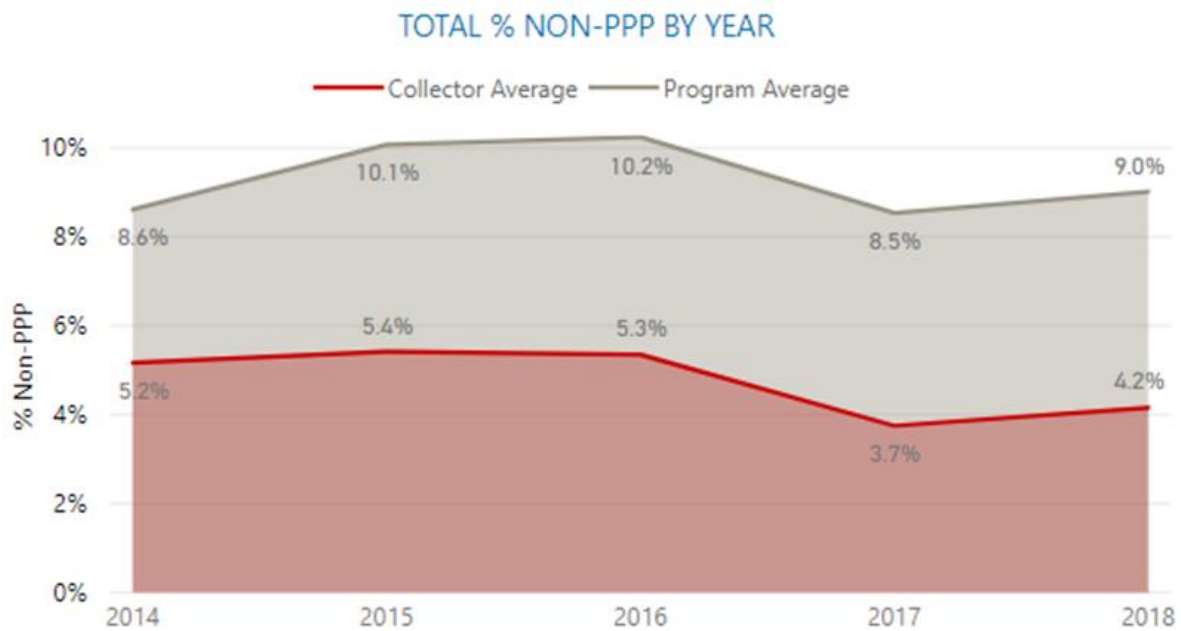
Comparison of Recycle BC Audits for RDN Curbside Materials

The chart below illustrates the percentage of non-compliance materials in Recycle BC audits since 2014. With wide variation in compliance levels, the overall trend signifies a decrease in contamination.



Comparison of RDN Contamination to Program Average

Since the launch of the Recycle BC program in 2014, the RDN has consistently proven low contamination rates compared to other jurisdictions. Recycle BC does not release contamination rates for the other jurisdictions, however, the Cowichan Valley Regional District and Regional District of Central Okanagan have released information on their 15 per cent contamination rates from this year. As shown in the chart below, the RDN has maintained contamination rates below fifty per cent of the program average for the past two years.

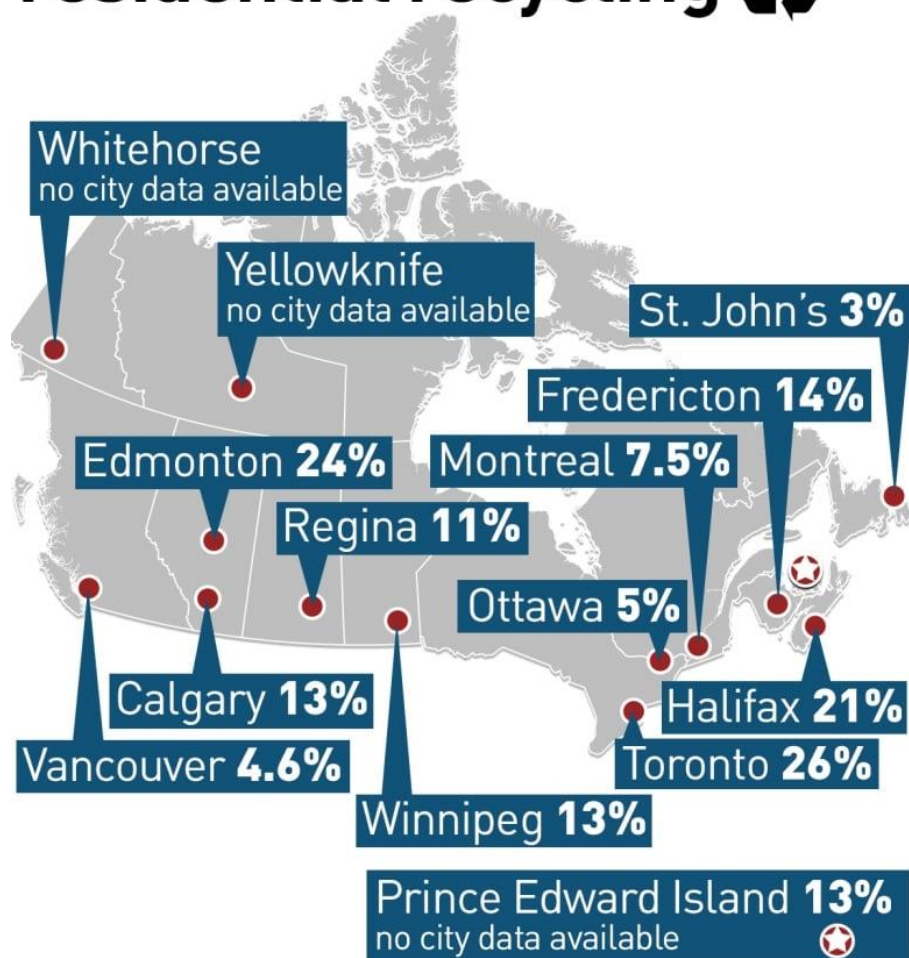


Contamination Rates for Major Canadian Cities

The infographic below, highlighting contamination rates in major cities across the nation, is from the CBC's April 2018 article entitled, "Many Canadians are recycling wrong, and it's costing us millions"¹.

Many factors affect the difference in contamination rates, including bin type, whether the program is single- or multi-stream, participation rates, how the contamination is measured (e.g. by weight, volume, household, or number of items), the length of data collection, and time of year. For example, St. John's has a relatively low curbside collection participation rate at 60 per cent, and has not allowed issue materials like plastic bags and styrofoam since their program was launched.

Contamination rates for residential recycling ♻️



cbcnews.ca

¹ <https://www.cbc.ca/news/technology/recycling-contamination-1.4606893>

Per Capital Disposal Rates Across BC

The graph below, provided by the Province, reports the estimated amount of municipal solid waste disposed per person for each regional district and for British Columbia, in 2016. 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 the given year.

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. Disposal rate data is useful in setting the stage for continuous improvement in waste management in B.C.

The 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.

