

BC Used Oil Management Association

**Update – Analysis of Coverage for the
Return Collection Facility Incentive
Program**

April 2018

TABLE OF CONTENTS

Introduction	1
Background	1
Approach	1
Updated Current State Analysis	2
Overview	2
Revised Estimation of Current State Program Coverage	2
Updated User Intensity Analysis	4
Approach to the Analysis	4
Target Service Levels	5
Revised Estimation of User Intensity Based Coverage Targets	5
Appendix A – Supplementary Information	7
Coverage of Return Collection Facilities in BC – 2016	7
Community Listing	8

INTRODUCTION

Background

The Return Collection Facility (“RCF”) incentive program began in 2011 to ensure sufficient options were available across the province for the public to return used oil and antifreeze at no charge. To achieve this objective, the British Columbia Used Oil Management Association (“BCUOMA”) pays an incentive to pre-approved facilities, notably retailers, local governments and non-profit recycling organizations, for the collection of oil and antifreeze at various locations in British Columbia (“BC”). In March of 2016, MNP completed a review of the RCF program that outlined various findings for future consideration, including revisiting the alignment of program funds with intended outcomes.

In October of 2016, MNP was engaged by BCUOMA to undertake an analysis of the RCF incentive program with the goal of improving its design and delivery. Central to this work was the concept of a “user intensity matrix” that would consider target service levels across the province based on a set of community characteristics that corresponded to levels of need. As part of the related analysis, the Stewardship Agencies of BC accessibility standard was re-examined in terms of its implications for the RCF program.

In January of 2018, MNP was engaged to provide an updated analysis that included actual drop off used oil volumes as well as the addressing of gaps that were identified by various stakeholders in the development of the original matrix.

Approach

In the update of the analysis, MNP carried out the following activities:

- Collection of community-level program data (including actual drop off used oil volumes), economic data (number of registered businesses) and demographic data (updated population data based on the 2016 Census), for each Census Subdivision (“Community”) included in the study¹.
- Refinement of the criteria used in determining the target service level standards.
- Categorization of communities based on levels of need.
- Revisiting of target service level standards for each type of community.
- Revised assessments of program coverage.

¹ For the purposes of this report, a “community” is defined as any Census Subdivision in BC that is not classified as an Indian Reserve (IRI), Indian Government District (IGA), or Indian Settlement (S-E).

UPDATED CURRENT STATE ANALYSIS

Overview

As noted earlier, the RCF incentive program began in 2011 to ensure free and sufficient access to drop off facilities for used oil and antifreeze materials in British Columbia. The program is funded by an environmental handling fee charged on the initial sale of these products. The RCFs participating in the program include retailers, local governments and non-profit recycling organizations. As of March, 2018, there were 298 RCFs taking part in the program, of which 142 were claiming in 2017.

Revised Estimation of Current State Program Coverage

According to the Stewardship Agencies of BC 2013 Action Plan², the following benchmark applies to collection facility coverage for product stewardship plans:

- For rural communities with a population of 4,000 or more, it should be no more than a 45-minute drive to a collection facility.
- For urban communities with a population of 4,000 or more, there should be at most a 30-minute drive to a collection facility.

For the purpose of this benchmark, rural and urban communities were defined as follows:

- Rural communities are cities, towns, resort municipalities and district municipalities with a population of between 4,000 and 29,999 outside the Metro Vancouver and Capital Regional Districts.
- Urban communities are cities, district municipalities and towns within the Metro Vancouver and Capital Regional Districts with a population of 4,000 or more, and cities and district municipalities with a population of 30,000 or more in the remainder of the province.

To assess the adequacy of RCF coverage in BC, MNP developed a coverage map for all rural and urban areas. A 45 km or 60 km radius was mapped around each facility to represent approximate driving times (45 km for urban facilities to represent a 30-minute driving distance, and 60 km for rural facilities to represent a 45-minute driving distance). The results of this mapping exercise are presented in Figure A-1 in Appendix A.

Given this initial assessment, all urban communities and almost all rural communities in BC were adequately covered by a collection facility within the Stewardship Agencies of BC guidelines, representing coverage of 99.5 percent of the total population for which this standard applies. Since this analysis was completed, two refinements were made to the analysis to provide for a more complete assessment of coverage in the province:

- 1) Regional District Electoral Areas were added to the analysis. With these communities added, 97.5 percent of the province's population is now included in the assessment of coverage³.
- 2) The population and drive time thresholds were adjusted to provide a more conservative estimate of coverage compared to the Stewardship Agencies of BC's benchmark. For population, the analysis now includes any community with a population greater than or equal to 1,000 people. For drive times, a maximum of 30-minutes was used for all communities in the assessment of coverage.

² Retrieved from http://www.bcrecycles.ca/assets/pdf/SABC_Action_Plan_Oct_16_Final.pdf

³ In the previous study, with Regional District Electoral Areas excluded, 89.3 percent of the population of BC was included in the study.

Based on these refinements, changes were also made to the definition of urban and rural communities:

- Rural communities are cities, towns, resort municipalities, district municipalities and regional district electoral areas with a population of between 1,000 and 10,000.
- Urban communities are cities, district municipalities and towns with a population of 10,000 or more.

With these adjustments, 95 percent of the total population within these communities is currently covered by the program. Most of the non-covered communities in the province are small, remote communities and Regional District Electoral Areas.

UPDATED USER INTENSITY ANALYSIS

Approach to the Analysis

To categorize communities according to level of need, our analysis considered the relationship between the actual volume of drop off oil collected locally; population (from the 2016 Census); and, the number of registered business establishments in key sectors (from the Canadian Business Register).⁴

MNP also relied on the most current list available of BC communities as well as classifications according to the following definitions from the *BC Local Government Act*:

- A village, if the population is not greater than 2,500.
- A town, if the population is greater than 2,500 but not greater than 5,000.
- A city, if the population is greater than 5,000.

To account for small commercial businesses (i.e., encompassing agriculture, forestry, mining, oil and gas, and truck transportation), MNP identified the number of registered establishments within each community based on the following North American Industry Classification System (NAICS) categories:

- Crop Production (NAICS 111).
- Forestry and Logging (NAICS 113).
- Oil and Gas Extraction (NAICS 211).
- Mining and Quarrying (Except Oil and Gas) (NAICS 212).
- Truck Transportation (NAICS 484).

Cities with more than 20 business establishments in agriculture, forestry, mining, oil and gas, and truck transportation per 10,000 people were classified as “high industrial”. Towns and villages with more than 50 business establishments in agriculture, forestry, mining, oil and gas, and truck transportation in total were also classified as “high industrial”.

Based on the above assumptions and datasets, each community was categorized into one of six types as outlined in Table 1 below.

Table 1: Categorization of BC Communities by Type

Type of Community	Population Characteristics	Business Establishment Characteristics	Number of Communities	Population (2016) ⁵
City, High Industrial	More than 5,000	More than 20 per 10,000 people	44	1,449,800
City, Low Industrial	More than 5,000	20 or less per 10,000 people	53	2,690,333
Town, High Industrial	2,501 to 5,000	More than 50 in total	3	14,198
Town, Low Industrial	2,501 to 5,000	50 in total or less	63	228,627
Village, High Industrial	1,000 to 2,500	More than 50 in total	1	1,047
Village, Low Industrial	1,000 to 2,500	50 in total or less	89	149,683
Other ⁶	n/a	n/a	66	31,454
Total			319	4,565,142

⁴ A simple linear regression analysis indicated these factors were statistically significant indicators (or explanatory variables) for the amount of drop off oil collected.

⁵ Note that the 253 BC communities included in this analysis represent approximately 97.5 percent of BC’s total population. Source: Statistics Canada, 2016 Census of Population.

⁶ “Other” communities denote the sum of all communities within the regional district with a population of less than 1,000 people. These communities were excluded from the analysis.

Target Service Levels

In consultation with BCUOMA, the following target service levels were defined for each type of community, based on level of need.

Table 2: BCUOMA Target Service Levels by Type of Community

<i>Type of Community</i>	<i>Target Service Level</i>
City, High Industrial	One facility per 100,000 people
City, Low Industrial	One facility per 200,000 people or one facility within a 30-minute drive if the population is less than 200,000
Town, High Industrial	One facility
Town, Low Industrial	One facility within a 30-minute drive, otherwise its own facility
Village	One facility within a 30-minute drive, otherwise its own facility

In keeping with these criteria, cities and towns with higher levels of industrial activity would have a target service level of at least one facility, with an increased level of service proportional to the size of the community (one per 100,000 people). Cities with low levels of industrial activity but high populations (greater than 200,000) would have a target service level of at least one facility, with an increased level of service proportional to the size of the community (one per 200,000). Those cities with low levels of industrial activity and low population (less than or equal to 200,000) would have a target service level of at least one facility within a 30-minute drive, or else would need to have its own facility. Towns with low levels of industrial activity would have a target service level of at least one facility within a 30-minute drive, or else have its own facility. Finally, villages with a population between 1,000 and 2,500 would have a target service level of at least one facility within a 30-minute drive, or else have its own facility.

Revised Estimation of User Intensity Based Coverage Targets

To assess the coverage targets of the program under the revised service levels, MNP combined the original geographic information system (GIS) analysis with information obtained through other publicly available mapping tools (i.e. Google Maps) to determine the number of facilities that would be required to achieve the targets that have been outlined.⁷ The following assumptions were also made as part of the assessment of the requirements to meet these targets:

- Any community that is categorized as “City, high industrial” should have at least one facility, as well as one facility per 100,000 people.
- Any community that is categorized as “City, low industrial” with a population greater than 200,000 should have at least one facility, as well as one facility per 200,000 people.
- Any community that is categorized as “City, low industrial” with a population less than 200,000 should be within a 30-minute drive of a facility, or otherwise have its own facility.
- Any community that is categorized as “Town, high industrial” should have at least one facility.
- Any community that is categorized as “Town, low industrial” or “Village” should be within a 30-minute drive of a facility, or otherwise have its own facility.

⁷ It should be recognized that this analysis will not have the same level of accuracy as found with GIS.

The following table provides a summary of the results of the mapping exercise⁸, along with the number of facilities required to achieve the target service level requirements. A more detailed summary of the target service levels that would apply to each community and regional district is outlined in Table A-1 in Appendix A.

Table 3: Summary of BC Communities by Target Service Level and Facility Requirements

<i>Type of Community</i>	<i>Number of Communities with a Facility</i>	<i>Number of Communities Within Driving Distance to a Facility</i>	<i>Number of Facilities Required to Meet Target Service Levels</i>
City, High Industrial	44	0	52
City, Low Industrial	22	31	26
Town, High Industrial	3	0	3
Town, Low Industrial	37	26	37
Village	60	30	60
Total	166	87	178

Compared to the earlier iteration of the study, 96 additional facilities are now required on top of the previously identified 82 facilities to achieve provincial coverage with the target service levels. This change is due to the following:

- Six communities (i.e., Central Saanich, Kent, Lake Country, Armstrong, Coldstream, and Spallumcheen) are now classified as High Industrial Cities, and thus require a facility given the revised target service levels.
- 14 communities classified as Low Industrial Villages, the majority of which were previously being serviced by Round Up Events, now require a facility given the revised target service levels.
- Delta, and Surrey, each require one additional facility compared to the previous iteration of the study, given increases in their population.
- Bowen Island now requires a facility given the revised target service levels.
- 89 newly added Regional District Electoral Areas now require a facility given the revised target service levels.
- 15 communities require fewer facilities (14 require one fewer, and Vancouver requires two fewer) given the revised target service levels.

⁸ In order to estimate drive times between two communities, the drive time from the centre of a community to the centre of a second community (as given by Google Maps) was used.

APPENDIX A – SUPPLEMENTARY INFORMATION

Coverage of Return Collection Facilities in BC – 2016

Figure A-1 highlights the coverage of the 509 registered RCFs in BC, according to proximity to rural and urban communities, at the time of MNP's previous 2016 study. Note that all census subdivisions with a population of over 4,000 were included on the map.

Figure A-1: RCF Coverage of Urban and Rural Communities in BC



Community Listing

Table A-1: RCF Target Service Levels by Community and by Regional District⁹

Community Name	Type	Population (2016)	Number of Registered Businesses in Key Sectors (2016)	Target Service Level	Target Number of Facilities	Number of Registered Facilities (March 2018)	Claimed Annual Drop Off Volume in Litres (2017)
Bulkley Nechako Regional District							
Smithers	City, High Industrial	5,401	47	At least one facility	1	3	8,800
Bulkley-Nechako A	City, High Industrial	5,256	43	At least one facility	1	0	0
Vanderhoof	Town, High Industrial	4,439	85	At least one facility	1	3	0
Bulkley-Nechako F	Town, Low Industrial	3,665	1	At least one facility	1	0	0
Houston	Town, Low Industrial	2,993	16	At least one facility	1	2	0
Bulkley-Nechako B	Village, Low Industrial	1,938	13	At least one facility	1	0	0
Burns Lake	Village, Low Industrial	1,779	27	At least one facility	1	2	24,300
Fort St. James	Village, Low Industrial	1,598	0	At least one facility	1	1	0
Bulkley-Nechako E	Village, Low Industrial	1,593	4	At least one facility	1	0	0
Bulkley-Nechako D	Village, Low Industrial	1,472	18	At least one facility	1	0	0
Bulkley-Nechako C	Village, Low Industrial	1,415	38	At least one facility	1	0	0
Telkwa	Village, Low Industrial	1,327	15	At least one facility or within a 30-minute drive	0	0	0
Other	NA	2,194	0	NA	0	1	8,520
Total					11	12	41,620
Capital Regional District							
Saanich	City, Low Industrial	114,148	30	At least one facility	1	1	67,370
Victoria	City, Low Industrial	85,792	21	At least one facility or within a 30-minute drive	0	13	4,039
Langford	City, Low Industrial	35,342	25	At least one facility or within a 30-minute drive	0	3	2,292
Oak Bay	City, Low Industrial	18,094	4	At least one facility or within a 30-minute drive	0	1	0
Esquimalt	City, Low Industrial	17,655	5	At least one facility or within a 30-minute drive	0	0	0
Colwood	City, Low Industrial	16,859	7	At least one facility or within a 30-minute drive	0	0	0
Central Saanich	City, High Industrial	16,814	40	At least one facility	1	1	942

⁹ “Other” communities denote the sum of all communities within the regional district with a population of less than 1,000 people.

Community Name	Type	Population (2016)	Number of Registered Businesses in Key Sectors (2016)	Target Service Level	Target Number of Facilities	Number of Registered Facilities (March 2018)	Claimed Annual Drop Off Volume in Litres (2017)
Sooke	City, Low Industrial	13,001	10	At least one facility	1	0	0
Sidney	City, Low Industrial	11,672	3	At least one facility or within a 30-minute drive	0	2	926
North Saanich	City, Low Industrial	11,249	17	At least one facility or within a 30-minute drive	0	1	62
View Royal	City, Low Industrial	10,408	7	At least one facility or within a 30-minute drive	0	0	0
Metchosin	Town, Low Industrial	4,708	7	At least one facility or within a 30-minute drive	0	0	0
Highlands	Village, Low Industrial	2,225	1	At least one facility or within a 30-minute drive	0	0	0
Total					3	22	75,631
Cariboo Regional District							
Williams Lake	City, High Industrial	10,753	80	At least one facility	1	7	104,445
Quesnel	City, High Industrial	9,879	54	At least one facility	1	3	53,900
Cariboo A	City, High Industrial	6,265	33	At least one facility	1	0	0
Cariboo G	City, High Industrial	5,156	13	At least one facility	1	1	31,600
Cariboo F	Town, Low Industrial	4,554	30	At least one facility	1	2	5,000
Cariboo L	Town, Low Industrial	4,204	22	At least one facility or within a 30-minute drive	0	0	0
Cariboo E	Town, Low Industrial	4,064	23	At least one facility	1	1	0
Cariboo B	Town, Low Industrial	3,842	26	At least one facility	1	0	0
Cariboo D	Town, Low Industrial	2,929	11	At least one facility	1	0	0
100 Mile House	Village, Low Industrial	1,980	28	At least one facility	1	2	3,300
Cariboo H	Village, Low Industrial	1,784	3	At least one facility	1	0	0
Cariboo I	Village, Low Industrial	1,440	10	At least one facility	1	0	0
Cariboo C	Village, Low Industrial	1,225	6	At least one facility	1	0	0
Other	NA	1,257	11	NA	0	1	0
Total					12	17	198,245
Central Coast							
Other	NA	1,403	10		NA	3	0
Total					0	3	0
Comox Valley Regional District							
Courtenay	City, Low Industrial	25,599	32	At least one facility	1	7	476

Community Name	Type	Population (2016)	Number of Registered Businesses in Key Sectors (2016)	Target Service Level	Target Number of Facilities	Number of Registered Facilities (March 2018)	Claimed Annual Drop Off Volume in Litres (2017)
Comox	City, Low Industrial	14,028	13	At least one facility or within a 30 minute drive	0	0	0
Comox Valley C (Puntledge - Black Creek)	City, High Industrial	8,617	27	At least one facility	1	0	0
Comox Valley A	City, High Industrial	7,213	18	At least one facility	1	0	0
Comox Valley B (Lazo North)	City, High Industrial	7,095	19	At least one facility	1	0	0
Cumberland	Town, Low Industrial	3,753	4	At least one facility or within a 30 minute drive	0	1	9,400
Total					4	8	9,876
Cowichan Valley Regional District							
North Cowichan	City, Low Industrial	29,676	53	At least one facility or within a 30-minute drive	0	1	0
Cowichan Valley B	City, Low Industrial	8,558	12	At least one facility or within a 30-minute drive	0	0	0
Ladysmith	City, Low Industrial	8,537	10	At least one facility or within a 30-minute drive	0	1	18,150
Cowichan Valley C	City, High Industrial	5,019	18	At least one facility	1	1	0
Duncan	Town, Low Industrial	4,944	10	At least one facility or within a 30-minute drive	0	6	59,007
Cowichan Valley A	Town, Low Industrial	4,733	5	At least one facility or within a 30-minute drive	0	1	0
Cowichan Valley E	Town, Low Industrial	4,121	12	At least one facility or within a 30-minute drive	0	0	0
Cowichan Valley D	Town, Low Industrial	3,243	3	At least one facility or within a 30-minute drive	0	0	0
Lake Cowichan	Town, Low Industrial	3,226	10	At least one facility or within a 30-minute drive	0	1	6,305
Cowichan Valley H	Village, Low Industrial	2,446	11	At least one facility or within a 30-minute drive	0	0	0
Cowichan Valley G	Village, Low Industrial	2,325	1	At least one facility	1	0	0
Cowichan Valley F	Village, Low Industrial	1,629	1	At least one facility	1	0	0
Cowichan Valley I	Village, Low Industrial	1,206	0	At least one facility or within a 30-minute drive	0	0	0
Total					3	11	83,462
Fraser Valley Regional District							
Abbotsford	City, High Industrial	141,397	759	At least one facility	2	3	38,464
Chilliwack	City, High Industrial	83,788	193	At least one facility	1	10	23,421
Mission	City, High Industrial	38,833	78	At least one facility	1	1	0
Hope	City, High Industrial	6,181	14	At least one facility	1	2	0
Kent	City, High Industrial	6,067	21	At least one facility	1	0	0

Community Name	Type	Population (2016)	Number of Registered Businesses in Key Sectors (2016)	Target Service Level	Target Number of Facilities	Number of Registered Facilities (March 2018)	Claimed Annual Drop Off Volume in Litres (2017)
Fraser Valley H	Village, Low Industrial	1,847	0	At least one facility or within a 30-minute drive	0	0	0
Fraser Valley G	Village, Low Industrial	1,776	15	At least one facility or within a 30-minute drive	0	0	0
Fraser Valley E	Village, Low Industrial	1,540	10	At least one facility	1	0	0
Fraser Valley D	Village, Low Industrial	1,529	0	At least one facility or within a 30-minute drive	0	1	0
Harrison Hot Springs	Village, Low Industrial	1,468	1	At least one facility or within a 30-minute drive	0	0	0
Fraser Valley F	Village, Low Industrial	1,293	2	At least one facility	1	0	0
Fraser Valley C	Village, Low Industrial	1,023	0	At least one facility	1	0	0
Other	NA	1,320	1	NA	0	0	0
Total					9	17	61,885
Greater Vancouver Regional District							
Vancouver	City, Low Industrial	631,486	233	At least one facility	4	1	8,423
Surrey	City, High Industrial	517,887	1137	At least one facility	6	3	49,587
Burnaby	City, Low Industrial	232,755	132	At least one facility	2	6	5,198
Richmond	City, Low Industrial	198,309	203	At least one facility	1	4	44,966
Coquitlam	City, Low Industrial	139,284	74	At least one facility	1	1	19,477
Langley	City, High Industrial	117,285	359	At least one facility	2	4	39,684
Delta	City, High Industrial	102,238	245	At least one facility	2	2	1,666
North Vancouver	City, Low Industrial	85,935	25	At least one facility or within a 30-minute drive	0	0	0
Maple Ridge	City, Low Industrial	82,256	93	At least one facility or within a 30-minute drive	0	2	110,080
New Westminister	City, Low Industrial	70,996	43	At least one facility or within a 30-minute drive	0	0	0
Port Coquitlam	City, Low Industrial	58,612	45	At least one facility or within a 30-minute drive	0	0	0
North Vancouver City	City, Low Industrial	52,898	16	At least one facility or within a 30-minute drive	0	0	0
West Vancouver	City, Low Industrial	42,473	9	At least one facility or within a 30-minute drive	0	0	0
Port Moody	City, Low Industrial	33,551	9	At least one facility or within a 30-minute drive	0	0	0
Langley City	City, Low Industrial	25,888	19	At least one facility or within a 30-minute drive	0	1	3,150
White Rock	City, Low Industrial	19,952	3	At least one facility or within a 30-minute drive	0	0	0
Pitt Meadows	City, High Industrial	18,573	67	At least one facility	1	0	0
Greater Vancouver A	City, Low Industrial	16,133	3	At least one facility	1	0	0

Community Name	Type	Population (2016)	Number of Registered Businesses in Key Sectors (2016)	Target Service Level	Target Number of Facilities	Number of Registered Facilities (March 2018)	Claimed Annual Drop Off Volume in Litres (2017)
Bowen Island	Town, Low Industrial	3,680	5	At least one facility	1	0	0
Anmore	Village, Low Industrial	2,210	1	At least one facility or within a 30-minute drive	0	0	0
Lions Bay	Village, Low Industrial	1,334	1	At least one facility or within a 30-minute drive	0	0	0
Other	NA	643	0	NA	0	0	0
Total					21	24	282,231
Juan de Fuca Regional District							
Juan de Fuca (Part 1)	Town, Low Industrial	4,670	0	At least one facility	1	0	0
Other	NA	190	0	NA	0	0	0
Total					1	0	0
Kitimat Stikine Regional District							
Terrace	City, High Industrial	11,643	30	At least one facility	1	4	27,200
Kitimat	City, Low Industrial	8,131	2	At least one facility	1	1	1,520
Kitimat-Stikine E	Town, Low Industrial	3,993	14	At least one facility or within a 30-minute drive	0	0	0
Kitimat-Stikine C (Part 1)	Town, Low Industrial	2,834	12	At least one facility	1	0	0
Kitimat-Stikine B	Village, Low Industrial	1,473	7	At least one facility	1	0	0
Other	NA	1,778	14	NA	0	1	0
Total					4	6	28,720
Mount Waddington Regional District							
Port Hardy	Town, Low Industrial	4,132	24	At least one facility	1	3	0
Port McNeill	Village, Low Industrial	2,337	20	At least one facility or within a 30-minute drive	0	4	3,800
Other	NA	3,076	15	NA	0	2	0
Total					1	9	3,800
Northern Rockies Regional District							
Northern Rockies	Town, High Industrial	4,831	51	At least one facility	1	1	0
Total					1	1	0
Peace River Regional District							
Fort St. John	City, High Industrial	20,155	203	At least one facility	1	9	6,073
Dawson Creek	City, High Industrial	12,178	52	At least one facility	1	3	0

Community Name	Type	Population (2016)	Number of Registered Businesses in Key Sectors (2016)	Target Service Level	Target Number of Facilities	Number of Registered Facilities (March 2018)	Claimed Annual Drop Off Volume in Litres (2017)
Peace River C	City, Low Industrial	6,772	6	At least one facility or within a 30-minute drive	0	0	0
Peace River D	City, High Industrial	5,920	66	At least one facility	1	0	0
Peace River B	City, High Industrial	5,628	138	At least one facility	1	1	0
Peace River E	Town, Low Industrial	2,949	5	At least one facility	1	0	0
Chetwynd	Town, Low Industrial	2,503	38	At least one facility	1	2	0
Tumbler Ridge	Village, Low Industrial	1,987	3	At least one facility	1	0	0
Taylor	Village, Low Industrial	1,469	27	At least one facility or within a 30-minute drive	0	0	0
Hudson's Hope	Village, Low Industrial	1,015	0	At least one facility	1	0	0
Other	NA	792	16	NA	0	0	0
Total					8	15	6,073
Powell River Regional District							
Powell River	City, High Industrial	13,157	54	At least one facility	1	1	0
Powell River C	Village, Low Industrial	2,064	5	At least one facility	1	0	0
Powell River B	Village, Low Industrial	1,541	1	At least one facility or within a 30-minute drive	0	0	0
Powell River A	Village, Low Industrial	1,105	2	At least one facility	1	0	0
Powell River D	Village, Low Industrial	1,076	6	At least one facility	1	0	0
Other	NA	399	3	NA	0	0	0
Total					4	1	0
Regional District of Alberni-Clayoquot							
Port Alberni	City, Low Industrial	17,678	32	At least one facility	1	9	20,900
Alberni-Clayoquot E	Town, Low Industrial	2,754	9	At least one facility or within a 30-minute drive	0	0	0
Alberni-Clayoquot F	Village, Low Industrial	1,935	6	At least one facility or within a 30-minute drive	0	0	0
Tofino	Village, Low Industrial	1,932	0	At least one facility	1	2	3,746
Ucluelet	Village, Low Industrial	1,717	4	At least one facility or within a 30-minute drive	0	1	20,900
Alberni-Clayoquot D	Village, Low Industrial	1,616	3	At least one facility	1	0	0
Other	NA	1,363	8	NA	0	0	0
Total					3	12	45,546

Community Name	Type	Population (2016)	Number of Registered Businesses in Key Sectors (2016)	Target Service Level	Target Number of Facilities	Number of Registered Facilities (March 2018)	Claimed Annual Drop Off Volume in Litres (2017)
Regional District of Central Kootenay							
Nelson	City, Low Industrial	10,572	9	At least one facility	1	1	0
Castlegar	City, Low Industrial	8,039	5	At least one facility	1	0	14,865
Creston	City, High Industrial	5,351	48	At least one facility	1	1	0
Central Kootenay H	Town, Low Industrial	4,667	24	At least one facility	1	1	0
Central Kootenay B	Town, Low Industrial	4,657	15	At least one facility	1	0	0
Central Kootenay F	Town, Low Industrial	3,963	1	At least one facility or within a 30-minute drive	0	0	0
Central Kootenay E	Town, Low Industrial	3,772	8	At least one facility	1	0	0
Central Kootenay J	Town, Low Industrial	3,137	12	At least one facility	1	0	0
Central Kootenay I	Town, Low Industrial	2,534	5	At least one facility or within a 30-minute drive	0	0	0
Central Kootenay A	Village, Low Industrial	1,930	8	At least one facility	1	0	0
Central Kootenay K	Village, Low Industrial	1,681	3	At least one facility	1	0	0
Central Kootenay G	Village, Low Industrial	1,623	1	At least one facility or within a 30-minute drive	0	0	0
Nakusp	Village, Low Industrial	1,605	13	At least one facility	1	0	0
Central Kootenay C	Village, Low Industrial	1,482	4	At least one facility or within a 30-minute drive	0	0	0
Central Kootenay D	Village, Low Industrial	1,343	3	At least one facility	1	0	0
Salmo	Village, Low Industrial	1,141	7	At least one facility	1	0	0
Other	NA	1,908	6	NA	0	0	0
Total					12	3	14,865
Regional District of Central Okanagan							
Kelowna	City, Low Industrial	127,380	196	At least one facility	1	2	54,885
Lake Country	City, High Industrial	12,922	49	At least one facility	1	1	5,740
Peachland	City, Low Industrial	5,428	9	At least one facility or within a 30-minute drive	0	1	370
West Kelowna	City, Low Industrial	32,655	30	At least one facility or within a 30-minute drive	0	3	19,474
Central Okanagan	Town, Low Industrial	3,824	11	At least one facility or within a 30-minute drive	0	0	0
Central Okanagan J	Village, Low Industrial	1,981	5	At least one facility or within a 30-minute drive	0	0	0
Total					2	7	80,469

Community Name	Type	Population (2016)	Number of Registered Businesses in Key Sectors (2016)	Target Service Level	Target Number of Facilities	Number of Registered Facilities (March 2018)	Claimed Annual Drop Off Volume in Litres (2017)
Regional District of Columbia-Shuswap							
Salmon Arm	City, High Industrial	17,706	39	At least one facility	1	5	23,398
Columbia-Shuswap C	City, Low Industrial	7,921	14	At least one facility or within a 30-minute drive	0	0	0
Revelstoke	City, High Industrial	7,547	22	At least one facility	1	1	7,706
Columbia-Shuswap D	Town, Low Industrial	4,044	8	At least one facility	1	0	0
Golden	Town, Low Industrial	3,708	23	At least one facility	1	2	12,051
Columbia-Shuswap A	Town, Low Industrial	3,148	3	At least one facility	1	0	0
Columbia-Shuswap F	Village, Low Industrial	2,454	3	At least one facility	1	0	0
Sicamous	Village, Low Industrial	2,429	7	At least one facility or within a 30-minute drive	0	1	0
Columbia-Shuswap E	Village, Low Industrial	1,185	5	At least one facility	1	0	0
Other	NA	598	0	NA	0	0	0
Total					7	9	43,155
Regional District of East Kootenay							
Cranbrook	City, Low Industrial	20,047	36	At least one facility	1	3	10,667
Kimberley	City, Low Industrial	7,425	5	At least one facility or within a 30-minute drive	0	0	0
East Kootenay C	City, High Industrial	6,036	27	At least one facility	1	1	1,230
Fernie	City, Low Industrial	5,249	9	At least one facility or within a 30-minute drive	0	2	0
Sparwood	Town, Low Industrial	3,784	12	At least one facility	1	0	0
Invermere	Town, Low Industrial	3,391	11	At least one facility	1	3	9,667
East Kootenay F	Town, Low Industrial	2,726	5	At least one facility	1	0	0
Elkford	Village, Low Industrial	2,499	2	At least one facility or within a 30-minute drive	0	1	7,680
East Kootenay B	Village, Low Industrial	1,976	5	At least one facility	1	0	0
East Kootenay A	Village, Low Industrial	1,943	0	At least one facility	1	0	0
East Kootenay E	Village, Low Industrial	1,753	6	At least one facility	1	0	0
East Kootenay G	Village, Low Industrial	1,462	6	At least one facility	1	0	0
Other	NA	1,444	8	NA	0	1	0
Total					9	11	29,244

Community Name	Type	Population (2016)	Number of Registered Businesses in Key Sectors (2016)	Target Service Level	Target Number of Facilities	Number of Registered Facilities (March 2018)	Claimed Annual Drop Off Volume in Litres (2017)
Regional District of Fraser-Fort George							
Prince George	City, High Industrial	74,003	188	At least one facility	1	15	54,298
Fraser-Fort George D	Town, Low Industrial	4,278	29	At least one facility	1	0	0
Mackenzie	Town, Low Industrial	3,714	20	At least one facility	1	2	16,180
Fraser-Fort George C	Town, Low Industrial	3,527	10	At least one facility	1	0	0
Fraser-Fort George A	Town, Low Industrial	3,463	16	At least one facility	1	0	0
Fraser-Fort George H	Village, Low Industrial	1,586	1	At least one facility	1	0	0
Fraser-Fort George F	Village, Low Industrial	1,246	3	At least one facility	1	0	0
Valemount	Village, Low Industrial	1,021	12	At least one facility	1	2	2,700
Other	NA	1,476	15	NA	0	2	5,040
Total					8	21	78,218
Regional District of Kootenay Boundary							
Trail	City, Low Industrial	7,709	5	At least one facility	1	1	7,918
Grand Forks	Town, Low Industrial	4,049	14	At least one facility or within a 30-minute drive	0	0	0
Rossland	Town, Low Industrial	3,729	1	At least one facility or within a 30-minute drive	0	0	0
Kootenay Boundary D / Rural Grand Forks	Town, Low Industrial	3,225	5	At least one facility	1	0	0
Kootenay Boundary E / West Boundary	Village, Low Industrial	2,155	14	At least one facility	1	0	0
Fruitvale	Village, Low Industrial	1,920	5	At least one facility or within a 30-minute drive	0	0	0
Kootenay Boundary A	Village, Low Industrial	1,891	3	At least one facility or within a 30-minute drive	0	0	0
Warfield	Village, Low Industrial	1,680	3	At least one facility or within a 30-minute drive	0	0	0
Kootenay Boundary B / Lower Columbia-Old-Glory	Village, Low Industrial	1,442	5	At least one facility	1	0	0
Kootenay Boundary C / Christina Lake	Village, Low Industrial	1,337	2	At least one facility	1	2	971
Other	NA	2,310	6	NA	0	2	1,703
Total					5	5	10,592
Regional District of Nanaimo							
Nanaimo	City, Low Industrial	90,504	74	At least one facility or within a 30-minute drive	0	9	36,805
Parksville	City, Low Industrial	12,514	10	At least one facility	1	3	0

Community Name	Type	Population (2016)	Number of Registered Businesses in Key Sectors (2016)	Target Service Level	Target Number of Facilities	Number of Registered Facilities (March 2018)	Claimed Annual Drop Off Volume in Litres (2017)
Qualicum Beach	City, Low Industrial	8,943	11	At least one facility or within a 30-minute drive	0	0	0
Nanaimo F	City, High Industrial	7,724	22	At least one facility	1	1	11,406
Nanaimo G	City, Low Industrial	7,465	8	At least one facility or within a 30-minute drive	0	0	0
Nanaimo A	City, High Industrial	7,058	24	At least one facility	1	0	0
Nanaimo E	City, High Industrial	6,125	21	At least one facility	1	0	0
Nanaimo B	Town, Low Industrial	4,033	2	At least one facility	1	1	0
Nanaimo H	Town, Low Industrial	3,884	8	At least one facility	1	1	0
Lantzville	Town, Low Industrial	3,605	8	At least one facility or within a 30-minute drive	0	0	0
Nanaimo C	Town, Low Industrial	2,808	9	At least one facility	1	0	0
Total					7	15	48,210
Regional District of North Okanagan							
Vernon	City, Low Industrial	40,116	57	At least one facility or within a 30-minute drive	0	4	33,867
Coldstream	City, High Industrial	10,648	24	At least one facility	1	0	0
Armstrong	City, High Industrial	5,114	45	At least one facility	1	1	4,300
Spallumcheen	City, High Industrial	5,106	14	At least one facility	1	0	0
North Okanagan F	Town, Low Industrial	4,000	9	At least one facility	1	0	0
North Okanagan C	Town, Low Industrial	3,870	9	At least one facility or within a 30-minute drive	0	0	0
North Okanagan B	Town, Low Industrial	3,203	14	At least one facility	1	0	0
Enderby	Town, Low Industrial	2,964	10	At least one facility or within a 30-minute drive	0	2	0
North Okanagan D	Town, Low Industrial	2,672	6	At least one facility or within a 30-minute drive	0	0	0
Lumby	Village, Low Industrial	1,833	13	At least one facility or within a 30-minute drive	0	0	0
North Okanagan E	Village, Low Industrial	1,010	10	At least one facility	1	0	0
Total					6	7	38,167
Regional District of Okanagan-Similkameen							
Penticton	City, High Industrial	33,761	73	At least one facility	1	2	5,487
Summerland	City, High Industrial	11,615	62	At least one facility	1	1	22,805
Okanagan-Similkameen D	City, High Industrial	5,874	21	At least one facility	1	1	0
Osoyoos	City, High Industrial	5,085	64	At least one facility	1	2	0

Community Name	Type	Population (2016)	Number of Registered Businesses in Key Sectors (2016)	Target Service Level	Target Number of Facilities	Number of Registered Facilities (March 2018)	Claimed Annual Drop Off Volume in Litres (2017)
Oliver	Town, High Industrial	4,928	113	At least one facility	1	5	0
Okanagan-Similkameen C	Town, Low Industrial	3,557	12	At least one facility or within a 30-minute drive	0	0	0
Princeton	Town, Low Industrial	2,828	22	At least one facility	1	1	0
Okanagan-Similkameen G	Village, Low Industrial	2,236	10	At least one facility	1	0	0
Okanagan-Similkameen F	Village, Low Industrial	2,014	3	At least one facility or within a 30-minute drive	0	0	0
Okanagan-Similkameen H	Village, Low Industrial	1,953	2	At least one facility	1	0	0
Okanagan-Similkameen E	Village, Low Industrial	1,903	20	At least one facility	1	0	0
Okanagan-Similkameen A	Village, Low Industrial	1,858	0	At least one facility	1	0	0
Keremeos	Village, Low Industrial	1,502	29	At least one facility	1	0	0
Okanagan-Similkameen B	Village, High Industrial	1,047	53	At least one facility or within a 30-minute drive	0	0	0
Total					11	12	28,292
Salt Spring Island							
Salt Spring Island	City, Low Industrial	10,557	0	At least one facility	1	2	0
Total					1	2	0
Skeena-Queen Charlotte Regional District							
Prince Rupert	City, Low Industrial	12,220	9	At least one facility	1	6	66,000
Other	NA	3,382	19	NA	0	1	0
Total					1	7	66,000
Southern Gulf Islands							
Southern Gulf Islands	Town, Low Industrial	4,732	0	At least one facility	1	0	0
Total					1	0	0
Squamish-Lillooet Regional District							
Squamish	City, Low Industrial	19,512	35	At least one facility	1	1	10,990
Whistler	City, Low Industrial	11,854	5	At least one facility	1	2	0
Pemberton	Town, Low Industrial	2,574	21	At least one facility or within a 30-minute drive	0	1	0
Lillooet	Village, Low Industrial	2,275	0	At least one facility	1	3	0
Squamish-Lillooet C	Village, Low Industrial	1,663	5	At least one facility	1	0	0
Squamish-Lillooet D	Village, Low Industrial	1,057	0	At least one facility	1	0	0

Community Name	Type	Population (2016)	Number of Registered Businesses in Key Sectors (2016)	Target Service Level	Target Number of Facilities	Number of Registered Facilities (March 2018)	Claimed Annual Drop Off Volume in Litres (2017)
Other	NA	550	0	NA	0	1	0
Total					5	8	10,990
Stikine Region							
Other	NA	477	3	NA	0	0	0
Total					0	0	0
Strathcona Regional District							
Campbell River	City, High Industrial	32,588	126	At least one facility	1	5	12,818
Strathcona D (Oyster Bay - Buttle Lake)	Town, Low Industrial	4,396	17	At least one facility or within a 30-minute drive	0	0	0
Strathcona C	Village, Low Industrial	2,431	7	At least one facility	1	0	0
Gold River	Village, Low Industrial	1,212	8	At least one facility	1	1	0
Strathcona B	Village, Low Industrial	1,035	4	At least one facility or within a 30-minute drive	0	0	0
Other	NA	1,430	11	NA	0	1	2,100
Total					3	7	14,918
Sunshine Coast Regional District							
Sechelt	City, Low Industrial	10,216	16	At least one facility	1	1	13,350
Gibsons	Town, Low Industrial	4,605	6	At least one facility or within a 30-minute drive	0	1	4,395
Sunshine Coast E	Town, Low Industrial	3,664	0	At least one facility or within a 30-minute drive	0	0	0
Sunshine Coast D	Town, Low Industrial	3,421	3	At least one facility or within a 30-minute drive	0	0	0
Sunshine Coast B	Town, Low Industrial	2,726	4	At least one facility	1	0	0
Sunshine Coast A	Town, Low Industrial	2,624	6	At least one facility	1	1	3,650
Sunshine Coast F	Village, Low Industrial	2,043	4	At least one facility	1	0	0
Total					4	3	21,395
Thompson Nicola Regional District							
Kamloops	City, Low Industrial	90,280	138	At least one facility	1	6	62,076
Merritt	City, High Industrial	7,139	34	At least one facility	1	0	0
Thompson-Nicola P (Rivers and the Peaks)	Town, Low Industrial	3,672	22	At least one facility	1	2	3,339
Thompson-Nicola L (Grasslands)	Town, Low Industrial	2,955	24	At least one facility or within a 30-minute drive	0	2	8,209

Community Name	Type	Population (2016)	Number of Registered Businesses in Key Sectors (2016)	Target Service Level	Target Number of Facilities	Number of Registered Facilities (March 2018)	Claimed Annual Drop Off Volume in Litres (2017)
Clearwater	Village, Low Industrial	2,324	5	At least one facility	1	2	12,325
Chase	Village, Low Industrial	2,286	9	At least one facility	1	1	0
Logan Lake	Village, Low Industrial	1,993	0	At least one facility or within a 30-minute drive	0	2	1,000
Barriere	Village, Low Industrial	1,713	12	At least one facility	1	0	0
Thompson-Nicola M (Beautiful Nicola Valley - North)	Village, Low Industrial	1,598	14	At least one facility	1	1	8,475
Thompson-Nicola J (Copper Desert Country)	Village, Low Industrial	1,580	17	At least one facility or within a 30-minute drive	0	2	1,100
Ashcroft	Village, Low Industrial	1,558	0	At least one facility	1	0	0
Thompson-Nicola A (Wells Gray Country)	Village, Low Industrial	1,493	30	At least one facility	1	0	0
Thompson-Nicola O (Lower North Thompson)	Village, Low Industrial	1,323	2	At least one facility or within a 30-minute drive	0	0	0
Thompson-Nicola I (Blue Sky Country)	Village, Low Industrial	1,262	22	At least one facility	1	1	0
Thompson-Nicola E (Bonaparte Plateau)	Village, Low Industrial	1,094	5	At least one facility	1	1	1,100
Other	NA	3,464	15	NA	0	3	1,100
Total					11	23	98,724
Grand Total					178	298	1,420,326



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