2018 Carbon Neutral Government Year in Review 2018: Summary

EACH YEAR SINCE 2010, B.C. has achieved carbon neutral operations, maintaining a net impact of zero greenhouse gas (GHG) emissions across public sector organizations (PSOs), including health authorities, school districts, post-secondary institutions, Crown corporations and provincial government.

B.C.'s legislated carbon neutral government commitment is a significant *first* in North America – one that's reducing emissions, saving energy costs, and spurring the development of clean technology and new jobs.

Facts for 2018:

- For the 2018 reporting year¹, B.C.'s 127 PSOs generated 749,544 tonnes of GHG emissions from their operations. (Refer to Tables 2 and 3 below).
- This represents a reduction of 63,619 tonnes compared to the baseline year of 2010, equivalent to taking nearly 22,700 cars off the road for a year.²
- To achieve carbon neutrality, government purchases offsets that include emission reductions from project investments in nearly every region and sector of the province.
- For the 2018 reporting year, offsets were sourced from projects involving energy efficiency, fuel switching and sequestration (refer to Table 4 below).
- B.C.'s emission offset portfolio has resulted in total emissions reductions of approximately 6.2 million tonnes of carbon dioxide equivalent between 2010 and 2018, equivalent to the emissions from 2.2 million cars in one year.

The total emissions reported in this summary meet the reporting requirements set by the Carbon Neutral Government Regulation (the Regulation) of the *Climate Change Accountability Act*.

¹ The 2018 reporting year is equivalent to the 2018 calendar year.

² The provincial government changed the way it calculates the car equivalent for government's GHG emissions. Previously, the factor used was 4.7 tonnes per car per year, from the U.S. Environmental Protection Agency. The Province now calculates the equivalent using 2.8 tonnes per car per year, which better reflects B.C.-based data.

Carbon Neutral Capital Program

The Carbon Neutral Capital Program (CNCP) was introduced in 2012/13 to help school districts throughout B.C. implement energy-saving activities and technologies. In 2014/15, the CNCP was expanded to include funding for B.C.'s health authorities and post-secondary institutions. In 2018, a total of \$14.5 million was distributed to the public health, education and post secondary sectors. Since its inception, the CNCP has distributed \$82.5 million to finance energy efficiency projects that will continue to reduce emissions and save money into the future.

To weather normalize building emissions, the average temperature profile for a 30-year period is used to calculate the number of days buildings use energy to heat or cool (based on temperatures above or below 15°C)

Weather Normalization

Buildings generate approximately 75 percent of B.C.'s total provincial public sector emissions. The year-to-year weather changes affects the heating and cooling requirements in buildings. To enable year-to-year comparison of building-related emissions, figures are adjusted to remove weather effects. This is known as weather normalization. Facilitating greater emissions reductions means understanding how buildings perform outside of weather-related impacts.

2018's Weather Impact

Climate change is being felt across B.C. as average temperatures are increasingly variable, and extreme weather is becoming more frequent. In 2018, temperature records

were surpassed across the province as B.C. experienced record-breaking heat waves and cold snaps. Despite the record-setting events, B.C. generally had a warmer winter and cooler summer in 2018 compared to 2017. On this note, it is important to gauge energy use trends in buildings using weather normalized data. Since 2008, B.C.'s public sector has seen energy demand for heating drop slightly due to warmer winters. While energy demands for cooling are still much smaller than for heating, demand for cooling was 40 percent greater in 2018 than the weather normalized baseline (1981-2010).

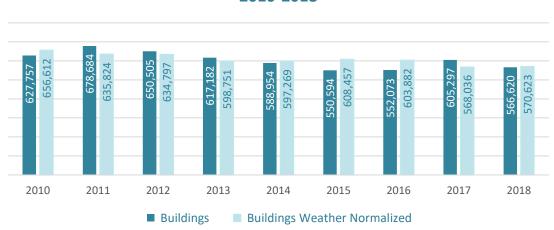


Table 1. Building Emissions (tCO₂e) Across the Public Sector 2010-2018

Table 2 below reports the B.C. public sector's emissions by GHG and by source as well as the total offsets purchased and retired to become carbon neutral for the 2018 reporting year. Under the Regulation, some reported emissions do not require the purchase of offsets in order to reach carbon neutrality. A total of 109,657 emissions were offset exempt, including 31,455 tonnes of bio-CO₂e from the combustion of biogenic fuels (e.g., biomass) and 78,202 tonnes of CO₂e from transit and school buses.

For more information on how the B.C. public sector measures emissions, please refer to the <u>2018</u> B.C. Best Practices Methodology for Quantifying Greenhouse Gas Emissions.

| Table 2. 2018 Public Sector Emissions by GHG and by Source | | | | | | | |
|--|--------------------------------|--|-------|-------|----|----------------------------------|---------|
| | Emissions by GHG (tonnes CO₂e) | | | | | Total Emissions (tonnes CO₂e) | |
| | Fossil CO ₂ | Fossil CO ₂ Bio-CO ₂ CH ₄ N ₂ O HFCs | | | | | Offsets |
| Scope 1 | 643,648 | 31,455 | 1,571 | 7,802 | 93 | 684,564 | 574,907 |
| Buildings | 496,283 | 26,049 | 306 | 3,379 | 93 | 526,055 | 500,006 |
| Fleet | 147,272 | 5,406 | 1,265 | 4,422 | 0 | 158,416 | 74,808 |
| Scope 2 | | | | | | | |
| Buildings | 40,503 | 0 | 5 | 57 | 0 | 40,565 | 40,565 |
| Scope 3 | | | | | | | |
| Paper | 16,772 | 0 | 0 | 0 | 0 | 16,772 | 16,772 |
| Travel | 7,644 | 0 | 0 | 0 | 0 | 7,644 | 7,644 |
| Total | 708,566 | 31,455 | 1,576 | 7,858 | 93 | 749,544 | 639,887 |

- (1) Public sector emissions of methane (CH₄), nitrous oxide (N₂O), and hydrofluorocarbons (HFCs) are expressed in terms of their tonnes of carbon dioxide equivalent (tonnes CO₂e, or tCO₂e), a standard unit of measure for quantifying the global warming impact of the different GHGs.
- (2) Table 2 reports Scope 1, 2, and 3 emissions in accordance with international protocols.
 - a. Scope 1 emissions represent those produced from the combustion of fossil fuels (e.g., natural gas for heating, gasoline for vehicle fuels) and fugitive emissions (e.g., hydrofluorocarbons from air conditioning equipment).
 - b. Scope 2 emissions represent those produced by third parties in the production of energy purchased by B.C.'s PSOs (e.g., electricity).
 - c. Scope 3 emissions represent those produced by third parties in the production of goods and services purchased by B.C.'s PSOs (e.g., office paper, business travel³).
- (3) International protocols call for the separate reporting of Bio-CO₂ emissions produced from the combustion of biogenic fuels (e.g., wood waste for heating, renewable vehicle fuels).

³ Only core government is required to measure, report and offset emissions from business travel.

Table 3. 2018 Emissions by Public Sector Organization (tonnes CO₂e)

| BC PUBLIC SECTOR TOTAL 749,544 639,887 Provincial Government Total 64,868 64,188 Crown Corporations Total 153,594 93,198 BC Assessment Authority 398 393 BC Council for International Education 6 6 BC Games Society 1 1 BC Housing Management Commission 22,488 22,475 BC Hydro 33,615 32,820 BC Innovation Council 2 2 BC Liquor Distribution Branch 3,817 3,797 BC Lottery Corporation 907 905 BC Pavilion Corporation 3,752 3,751 BC Transit 60,650 1,118 British Columbia Securities 240 240 Commission 240 240 Columbia Basin Trust 111 111 Columbia Power Corporation 25 25 Community Living British Columbia 468 465 Destination BC 58 58 First People's Heritage, Language & Culture Council <t< th=""><th></th><th>Emissions</th><th>Offsettable Emissions</th></t<> | | Emissions | Offsettable Emissions |
|--|--|-----------|--------------------------|
| Crown Corporations Total 153,594 93,198 BC Assessment Authority 398 393 BC Council for International Education 6 6 BC Games Society 1 1 BC Housing Management Commission 22,488 22,475 BC Hydro 33,615 32,820 BC Innovation Council 2 2 BC Liquor Distribution Branch 3,817 3,797 BC Lottery Corporation 907 905 BC Pavilion Corporation 37,752 3,751 BC Transit 60,650 1,118 British Columbia Securities 240 240 Commission 240 240 Columbia Basin Trust 111 111 Columbia Power Corporation 25 25 Community Living British Columbia 468 465 Destination BC 58 58 First People's Heritage, Language & Culture Council 2 2 Forest Enhancement Society of British Columbia 14 14 Columbia 63 | BC PUBLIC SECTOR TOTAL | 749,544 | 639,887 |
| BC Assessment Authority 398 393 BC Council for International Education 6 6 BC Games Society 1 1 BC Housing Management Commission 22,488 22,475 BC Hydro 33,615 32,820 BC Innovation Council 2 2 BC Liquor Distribution Branch 3,817 3,797 BC Lottery Corporation 907 905 BC Pavilion Corporation 37,52 3,751 BC Transit 60,650 1,118 British Columbia Securities 240 240 Commission 240 240 Columbia Basin Trust 111 111 Columbia Power Corporation 25 25 Community Living British Columbia 468 465 Destination BC 58 58 First People's Heritage, Language & Culture Council 2 2 Culture Council 14 14 Columbia 14 14 Forest Enhancement Society of British Columbia 14 14 | Provincial Government Total | 64,868 | 64,188 |
| BC Council for International Education 6 6 BC Games Society 1 1 BC Housing Management Commission 22,488 22,475 BC Hydro 33,615 32,820 BC Innovation Council 2 2 BC Liquor Distribution Branch 3,817 3,797 BC Lottery Corporation 907 905 BC Pavilion Corporation 3,752 3,751 BC Transit 60,650 1,118 British Columbia Securities 240 240 Commission 240 240 Columbia Basin Trust 111 111 Columbia Power Corporation 25 25 Community Living British Columbia 468 465 Destination BC 58 58 First People's Heritage, Language & Culture Council 2 2 Erist People's Heritage, Language & Culture Council 14 14 Forestry Innovation Investment 165 165 Industry Training Authority 63 63 Innovate BC 2 <td>Crown Corporations Total</td> <td>153,594</td> <td>93,198</td> | Crown Corporations Total | 153,594 | 93,198 |
| BC Games Society 1 1 1 BC Housing Management Commission 22,488 22,475 BC Hydro 33,615 32,820 BC Innovation Council 2 2 2 BC Liquor Distribution Branch 3,817 3,797 BC Lottery Corporation 907 905 BC Pavilion Corporation 3,752 3,751 BC Transit 60,650 1,118 British Columbia Securities 240 240 Columbia Basin Trust 111 111 Columbia Power Corporation 25 25 Community Living British Columbia 468 465 Destination BC 58 58 First People's Heritage, Language & 2 2 Culture Council 14 Forest Enhancement Society of British Columbia Holse 14 Forestry Innovation Investment 165 165 Industry Training Authority 63 63 Innovate BC 2 2 Insurance Corporation 100 100 Legal Services Society 70 70 Oil and Gas Commission 447 437 Partnerships BC 19 19 Real Estate Foundation 1 1 1 Royal BC Museum 80 80 Transportation Investment Corporation 6 6 Health Authority Total 221,859 220,375 BC Emergency Health Services 15,700 15,253 Fraser Health Authority 37,384 Interior Health Authority 41,822 41,772 | BC Assessment Authority | 398 | 393 |
| BC Housing Management Commission 22,488 22,475 BC Hydro 33,615 32,820 BC Innovation Council 2 2 BC Liquor Distribution Branch 3,817 3,797 BC Lottery Corporation 907 905 BC Pavilion Corporation 3,752 3,751 BC Transit 60,650 1,118 British Columbia Securities 240 240 Commission 240 240 Columbia Basin Trust 111 111 Columbia Power Corporation 25 25 Community Living British Columbia 468 465 Destination BC 58 58 First People's Heritage, Language & Culture Council 2 2 Forest Enhancement Society of British Columbia 14 14 Forest Enhancement Society of British Columbia 14 14 Forest Enhancement Society of British Columbia 165 165 Industry Training Authority 63 63 Innovate BC 2 2 Insurance Corpora | BC Council for International Education | 6 | 6 |
| BC Hydro 33,615 32,820 BC Innovation Council 2 2 BC Liquor Distribution Branch 3,817 3,797 BC Lottery Corporation 907 905 BC Pavilion Corporation 3,752 3,751 BC Transit 60,650 1,118 British Columbia Securities 240 240 Commission 240 240 Columbia Basin Trust 111 111 Columbia Power Corporation 25 25 Community Living British Columbia 468 465 Destination BC 58 58 First People's Heritage, Language & Culture Council 2 2 Forest Enhancement Society of British Columbia 14 14 Forestry Innovation Investment 165 165 Industry Training Authority 63 63 Innovate BC 2 2 Insurance Corporation of BC 26,034 26,019 Knowledge Network Corporation 100 100 Legal Services Society 70 | BC Games Society | 1 | 1 |
| BC Innovation Council 2 2 BC Liquor Distribution Branch 3,817 3,797 BC Lottery Corporation 907 905 BC Pavilion Corporation 3,752 3,751 BC Transit 60,650 1,118 British Columbia Securities 240 240 Commission 240 240 Columbia Basin Trust 111 111 Columbia Power Corporation 25 25 Community Living British Columbia 468 465 Destination BC 58 58 First People's Heritage, Language & Culture Council 2 2 Forest Enhancement Society of British Columbia 14 14 Forestry Innovation Investment 165 165 Industry Training Authority 63 63 Innovate BC 2 2 Insurance Corporation of BC 26,034 26,019 Knowledge Network Corporation 100 100 Legal Services Society 70 70 Oil and Gas Commission 447 <td>BC Housing Management Commission</td> <td>22,488</td> <td>22,475</td> | BC Housing Management Commission | 22,488 | 22,475 |
| BC Liquor Distribution Branch 3,817 3,797 BC Lottery Corporation 907 905 BC Pavilion Corporation 3,752 3,751 BC Transit 60,650 1,118 British Columbia Securities 240 240 Commission 240 240 Columbia Basin Trust 111 111 Columbia Power Corporation 25 25 Community Living British Columbia 468 465 Destination BC 58 58 First People's Heritage, Language & Culture Council 2 2 Forest Enhancement Society of British Columbia 14 14 Foresty Innovation Investment 165 165 Industry Training Authority 63 63 Innovate BC 2 2 Insurance Corporation of BC 26,034 26,019 Knowledge Network Corporation 100 100 Legal Services Society 70 70 Oil and Gas Commission 447 437 Partnerships BC 19 | BC Hydro | 33,615 | 32,820 |
| BC Lottery Corporation 907 905 BC Pavilion Corporation 3,752 3,751 BC Transit 60,650 1,118 British Columbia Securities 240 240 Commission 240 240 Columbia Basin Trust 111 111 Columbia Power Corporation 25 25 Community Living British Columbia 468 465 Destination BC 58 58 First People's Heritage, Language & Culture Council 2 2 Forest Enhancement Society of British Columbia 14 14 Forest Inhancement Society of British Columbia 14 14 Forestry Innovation Investment 165 165 Industry Training Authority 63 63 Innovate BC 2 2 Insurance Corporation of BC 26,034 26,019 Knowledge Network Corporation 100 100 Legal Services Society 70 70 Oil and Gas Commission 447 437 Partnerships BC <t< td=""><td>BC Innovation Council</td><td>2</td><td>2</td></t<> | BC Innovation Council | 2 | 2 |
| BC Pavilion Corporation 3,752 3,751 BC Transit 60,650 1,118 British Columbia Securities 240 240 Commission 240 240 Columbia Basin Trust 111 111 Columbia Power Corporation 25 25 Community Living British Columbia 468 465 Destination BC 58 58 First People's Heritage, Language & Culture Council 2 2 Forest Enhancement Society of British Columbia 14 14 Forest Enhancement Society of British Columbia 14 14 Forestry Innovation Investment 165 165 Industry Training Authority 63 63 Innovate BC 2 2 Insurance Corporation of BC 26,034 26,019 Knowledge Network Corporation 100 100 Legal Services Society 70 70 Oil and Gas Commission 447 437 Partnerships BC 19 19 Real Estate Foundation | BC Liquor Distribution Branch | 3,817 | 3,797 |
| BC Transit 60,650 1,118 British Columbia Securities 240 240 Commission 240 240 Columbia Basin Trust 111 111 Columbia Power Corporation 25 25 Community Living British Columbia 468 465 Destination BC 58 58 First People's Heritage, Language & Culture Council 2 2 Forest Enhancement Society of British Columbia 14 14 Forest Enhancement Society of British Columbia 14 14 Foresty Innovation Investment 165 165 Industry Training Authority 63 63 Innovate BC 2 2 Insurance Corporation of BC 26,034 26,019 Knowledge Network Corporation 100 100 Legal Services Society 70 70 Oil and Gas Commission 447 437 Partnerships BC 19 19 Real Estate Council of BC 58 58 Real Estate Foundation 1 <td>BC Lottery Corporation</td> <td>907</td> <td>905</td> | BC Lottery Corporation | 907 | 905 |
| British Columbia Securities 240 240 Commission 240 240 Columbia Basin Trust 111 111 Columbia Power Corporation 25 25 Community Living British Columbia 468 465 Destination BC 58 58 First People's Heritage, Language & Culture Council 2 2 Forest Enhancement Society of British Columbia 14 14 Forest Enhancement Society of British Columbia 165 165 Industry Training Authority 63 63 Innovate BC 2 2 Insurance Corporation of BC 26,034 26,019 Knowledge Network Corporation 100 100 Legal Services Society 70 70 Oil and Gas Commission 447 437 Partnerships BC 19 19 | BC Pavilion Corporation | 3,752 | 3,751 |
| Commission 240 240 Columbia Basin Trust 111 111 Columbia Power Corporation 25 25 Community Living British Columbia 468 465 Destination BC 58 58 First People's Heritage, Language & Culture Council 2 2 Forest Enhancement Society of British Columbia 14 14 Forestry Innovation Investment 165 165 Industry Training Authority 63 63 Innovate BC 2 2 Insurance Corporation of BC 26,034 26,019 Knowledge Network Corporation 100 100 Legal Services Society 70 70 Oil and Gas Commission 447 437 Partnerships BC 19 19 Real Estate Council of BC 58 58 Real Estate Foundation 1 1 Royal BC Museum 80 80 Transportation Investment Corporation 6 6 Health Authority Total 221,859 2 | BC Transit | 60,650 | 1,118 |
| Columbia Power Corporation 25 25 Community Living British Columbia 468 465 Destination BC 58 58 First People's Heritage, Language & Culture Council 2 2 Forest Enhancement Society of British Columbia 14 14 Forestry Innovation Investment 165 165 Industry Training Authority 63 63 Innovate BC 2 2 Insurance Corporation of BC 26,034 26,019 Knowledge Network Corporation 100 100 Legal Services Society 70 70 Oil and Gas Commission 447 437 Partnerships BC 19 19 Real Estate Council of BC 58 58 Real Estate Foundation 1 1 Royal BC Museum 80 80 Transportation Investment Corporation 6 6 Health Authority Total 221,859 220,375 BC Emergency Health Services 15,700 15,253 Fraser Health Authority | | 240 | 240 |
| Community Living British Columbia Destination BC 58 58 First People's Heritage, Language & 2 Culture Council Forest Enhancement Society of British Columbia Forestry Innovation Investment 165 165 Industry Training Authority 63 63 Innovate BC 2 Insurance Corporation of BC 26,034 26,019 Knowledge Network Corporation 100 100 Legal Services Society 70 70 Oil and Gas Commission 447 437 Partnerships BC 19 19 Real Estate Council of BC 58 58 Real Estate Foundation 1 Royal BC Museum 80 80 Transportation Investment Corporation 6 6 Health Authority Total BC Emergency Health Services 15,700 15,253 Fraser Health Authority 41,822 41,772 | Columbia Basin Trust | 111 | 111 |
| Destination BC First People's Heritage, Language & 2 Culture Council Forest Enhancement Society of British Columbia Forestry Innovation Investment 165 Industry Training Authority 63 63 Innovate BC Insurance Corporation of BC Ensurance Corporation of BC Ensurance Society 70 70 Oil and Gas Commission 447 Partnerships BC Real Estate Council of BC Real Estate Foundation Transportation Investment Corporation 6 Health Authority Total BC Emergency Health Services 15,700 15,253 Fraser Health Authority 1,4822 141,772 | Columbia Power Corporation | 25 | 25 |
| First People's Heritage, Language & 2 2 Forest Enhancement Society of British Columbia 14 14 Forestry Innovation Investment 165 165 Industry Training Authority 63 63 Innovate BC 2 2 Insurance Corporation of BC 26,034 26,019 Knowledge Network Corporation 100 100 Legal Services Society 70 70 Oil and Gas Commission 447 437 Partnerships BC 19 19 Real Estate Council of BC 58 58 Real Estate Foundation 1 1 Royal BC Museum 80 80 Transportation Investment Corporation 6 6 Health Authority Total 221,859 220,375 BC Emergency Health Services 15,700 15,253 Fraser Health Authority 37,384 37,348 Interior Health Authority 41,822 41,772 | Community Living British Columbia | 468 | 465 |
| Culture Council 2 2 Forest Enhancement Society of British Columbia 14 14 Forestry Innovation Investment 165 165 Industry Training Authority 63 63 Innovate BC 2 2 Insurance Corporation of BC 26,034 26,019 Knowledge Network Corporation 100 100 Legal Services Society 70 70 Oil and Gas Commission 447 437 Partnerships BC 19 19 Real Estate Council of BC 58 58 Real Estate Foundation 1 1 Royal BC Museum 80 80 Transportation Investment Corporation 6 6 Health Authority Total 221,859 220,375 BC Emergency Health Services 15,700 15,253 Fraser Health Authority 37,384 37,348 Interior Health Authority 41,822 41,772 | Destination BC | 58 | 58 |
| Columbia 14 14 Forestry Innovation Investment 165 165 Industry Training Authority 63 63 Innovate BC 2 2 Insurance Corporation of BC 26,034 26,019 Knowledge Network Corporation 100 100 Legal Services Society 70 70 Oil and Gas Commission 447 437 Partnerships BC 19 19 Real Estate Council of BC 58 58 Real Estate Foundation 1 1 Royal BC Museum 80 80 Transportation Investment Corporation 6 6 Health Authority Total 221,859 220,375 BC Emergency Health Services 15,700 15,253 Fraser Health Authority 37,384 37,348 Interior Health Authority 41,822 41,772 | | 2 | 2 |
| Industry Training Authority 63 63 Innovate BC 2 2 Insurance Corporation of BC 26,034 26,019 Knowledge Network Corporation 100 100 Legal Services Society 70 70 Oil and Gas Commission 447 437 Partnerships BC 19 19 Real Estate Council of BC 58 58 Real Estate Foundation 1 1 Royal BC Museum 80 80 Transportation Investment Corporation 6 6 Health Authority Total 221,859 220,375 BC Emergency Health Services 15,700 15,253 Fraser Health Authority 37,384 37,348 Interior Health Authority 41,822 41,772 | | 14 | 14 |
| Innovate BC 2 2 Insurance Corporation of BC 26,034 26,019 Knowledge Network Corporation 100 100 Legal Services Society 70 70 Oil and Gas Commission 447 437 Partnerships BC 19 19 Real Estate Council of BC 58 58 Real Estate Foundation 1 1 Royal BC Museum 80 80 Transportation Investment Corporation 6 6 Health Authority Total 221,859 220,375 BC Emergency Health Services 15,700 15,253 Fraser Health Authority 37,384 37,348 Interior Health Authority 41,822 41,772 | Forestry Innovation Investment | 165 | 165 |
| Insurance Corporation of BC 26,034 26,019 Knowledge Network Corporation 100 100 Legal Services Society 70 70 Oil and Gas Commission 447 437 Partnerships BC 19 19 Real Estate Council of BC 58 58 Real Estate Foundation 1 1 Royal BC Museum 80 80 Transportation Investment Corporation 6 6 Health Authority Total 221,859 220,375 BC Emergency Health Services 15,700 15,253 Fraser Health Authority 37,384 37,348 Interior Health Authority 41,822 41,772 | Industry Training Authority | 63 | 63 |
| Knowledge Network Corporation 100 100 Legal Services Society 70 70 Oil and Gas Commission 447 437 Partnerships BC 19 19 Real Estate Council of BC 58 58 Real Estate Foundation 1 1 Royal BC Museum 80 80 Transportation Investment Corporation 6 6 Health Authority Total 221,859 220,375 BC Emergency Health Services 15,700 15,253 Fraser Health Authority 37,384 37,348 Interior Health Authority 41,822 41,772 | Innovate BC | 2 | 2 |
| Legal Services Society 70 70 Oil and Gas Commission 447 437 Partnerships BC 19 19 Real Estate Council of BC 58 58 Real Estate Foundation 1 1 Royal BC Museum 80 80 Transportation Investment Corporation 6 6 Health Authority Total 221,859 220,375 BC Emergency Health Services 15,700 15,253 Fraser Health Authority 37,384 37,348 Interior Health Authority 41,822 41,772 | Insurance Corporation of BC | 26,034 | 26,019 |
| Oil and Gas Commission 447 437 Partnerships BC 19 19 Real Estate Council of BC 58 58 Real Estate Foundation 1 1 Royal BC Museum 80 80 Transportation Investment Corporation 6 6 Health Authority Total 221,859 220,375 BC Emergency Health Services 15,700 15,253 Fraser Health Authority 37,384 37,348 Interior Health Authority 41,822 41,772 | Knowledge Network Corporation | 100 | 100 |
| Partnerships BC 19 19 Real Estate Council of BC 58 58 Real Estate Foundation 1 1 Royal BC Museum 80 80 Transportation Investment Corporation 6 6 Health Authority Total 221,859 220,375 BC Emergency Health Services 15,700 15,253 Fraser Health Authority 37,384 37,348 Interior Health Authority 41,822 41,772 | Legal Services Society | 70 | 70 |
| Real Estate Council of BC 58 58 Real Estate Foundation 1 1 Royal BC Museum 80 80 Transportation Investment Corporation 6 6 Health Authority Total 221,859 220,375 BC Emergency Health Services 15,700 15,253 Fraser Health Authority 37,384 37,348 Interior Health Authority 41,822 41,772 | Oil and Gas Commission | 447 | 437 |
| Real Estate Foundation 1 1 Royal BC Museum 80 80 Transportation Investment Corporation 6 6 Health Authority Total 221,859 220,375 BC Emergency Health Services 15,700 15,253 Fraser Health Authority 37,384 37,348 Interior Health Authority 41,822 41,772 | Partnerships BC | 19 | 19 |
| Royal BC Museum 80 80 Transportation Investment Corporation 6 6 Health Authority Total 221,859 220,375 BC Emergency Health Services 15,700 15,253 Fraser Health Authority 37,384 37,348 Interior Health Authority 41,822 41,772 | Real Estate Council of BC | 58 | 58 |
| Transportation Investment Corporation 6 6 Health Authority Total 221,859 220,375 BC Emergency Health Services 15,700 15,253 Fraser Health Authority 37,384 37,348 Interior Health Authority 41,822 41,772 | Real Estate Foundation | 1 | 1 |
| Health Authority Total 221,859 220,375 BC Emergency Health Services 15,700 15,253 Fraser Health Authority 37,384 37,348 Interior Health Authority 41,822 41,772 | Royal BC Museum | 80 | 80 |
| BC Emergency Health Services 15,700 15,253 Fraser Health Authority 37,384 37,348 Interior Health Authority 41,822 41,772 | Transportation Investment Corporation | 6 | 6 |
| Fraser Health Authority 37,384 37,348 Interior Health Authority 41,822 41,772 | Health Authority Total | 221,859 | 220,375 |
| Interior Health Authority 41,822 41,772 | BC Emergency Health Services | 15,700 | 15,253 |
| Levis Prior Home & Hespital | Fraser Health Authority | 37,384 | 37,348 |
| Louis Brier Home & Hospital 650 650 | Interior Health Authority | 41,822 | 41,772 |
| | Louis Brier Home & Hospital | 650 | 650 |

| Public Sector Organization | Emissions | Offsettable Emissions |
|---|-----------|--------------------------|
| Menno Hospital | 538 | 538 |
| Mount St. Mary Hospital | 440 | 440 |
| Nisga'a Valley Health Authority | 116 | 116 |
| Northern Health Authority | 22,542 | 22,512 |
| Providence Health Care | 11,638 | 11,634 |
| Provincial Health Services Authority | 19,355 | 19,341 |
| St. Joseph's General Hospital | 814 | 813 |
| St. Michael's Centre | 345 | 345 |
| Vancouver Coastal Health Authority | 40,775 | 40,731 |
| Vancouver Island Health Authority | 29,738 | 28,880 |
| School Districts Total | 170,232 | 148,336 |
| School District 05 - Southeast Kootenay | 3,055 | 2,436 |
| School District 06 - Rocky Mountain | 2,047 | 1,506 |
| School District 08 - Kootenay Lake | 3,261 | 2,348 |
| School District 10 - Arrow Lakes (Nakusp) | 361 | 243 |
| School District 19 - Revelstoke | 284 | 210 |
| School District 20 - Kootenay-Columbia | 2,099 | 1,556 |
| School District 22 - Vernon | 2,550 | 1,826 |
| School District 23 - Central Okanagan (Kelowna) | 5,557 | 4,309 |
| School District 27 - Cariboo-Chilcoltin | 3,678 | 2,302 |
| School District 28 - Quesnel School | 1,762 | 1,156 |
| School District 33 - Chilliwack | 3,717 | 2,802 |
| School District 34 - Abbotsford | 3,993 | 3,290 |
| School District 35 - Langley | 6,026 | 5,525 |
| School District 36 - Surrey | 16,708 | 16,488 |
| School District 37 - Delta | 2,594 | 2,587 |
| School District 38 - Richmond | 4,926 | 4,692 |
| School District 39 - Vancouver | 14,924 | 14,903 |
| School District 40 - New Westminster | 1,796 | 1,793 |
| School District 41 - Burnaby | 5,266 | 5,259 |
| School District 42 - Maple Ridge | 3,380 | 3,374 |
| School District 43 - Coquitlam | 7,083 | 7,073 |
| School District 44 - North Vancouver | 3,569 | 3,496 |
| School District 45 - West Vancouver | 1,490 | 1,488 |
| School District 46 - Sunshine Coast | 703 | 700 |
| School District 47 - Powell River | 1,019 | 785 |
| School District 48 - Sea to Sky | 1,908 | 1,493 |
| | | |

| Public Sector Organizat | ion <i>Emissions</i> | Offsettable Emissions |
|--|----------------------|--------------------------|
| School District 49 - Central Coas | t 382 | 313 |
| School District 50 - Haida Gwaii | 548 | 521 |
| School District 51 - Boundary | 894 | 659 |
| School District 52 - Prince Ruper | t 683 | 682 |
| School District 53 - Okanagan Similkameen | 818 | 649 |
| School District 54 - Bulkley Valley | y 1,259 | 883 |
| School District 57 - Prince Georg | e 5,241 | 5,229 |
| School District 58 - Nicola-Similka | ameen 1,125 | 887 |
| School District 59 - Peace River 9 (Dawson Creek) | South 3,830 | 2,724 |
| School District 60 - Peace River I (Fort St.John) | North 4,089 | 2,795 |
| School District 61 - Greater Victo | ria 4,868 | 4,849 |
| School District 62 - Sooke | 2,525 | 1,7161 |
| School District 63 - Saanich | 1,893 | 1,487 |
| School District 64 - Gulf Islands | 352 | 184 |
| School District 67 - Okanagan Sk (Penticton) | raha 1,691 | 1,594 |
| School District 68 - Nanaimo-Lad | lysmith 3,312 | 3,245 |
| School District 69 - Qualicum | 1,945 | 1,442 |
| School District 70 - Alberni | 927 | 805 |
| School District 71 - Comox Valley | y 1,962 | 1,956 |
| School District 72 - Campbell Riv | ver 2,409 | 2,025 |
| School District 73 - Kamloops / Thompson | 6,460 | 4,718 |
| School District 74 - Gold Trail | 1,085 | 617 |
| School District 75 - Mission | 2,019 | 1,614 |
| School District 78 - Fraser - Caso | cade 960 | 736 |
| School District 79 - Cowichan Va | lley 2,167 | 1,783 |
| School District 81 - Fort Nelson | 598 | 590 |
| School District 82 - Coast Mounta | ain 2,778 | 2,772 |
| School District 83 - North Okanaç Shuswap | gan 3,415 | 2,241 |
| School District 84 - Vancouver Is West | land 198 | 154 |
| School District 85 - Vancouver Is North | land 771 | 622 |
| School District 87 - Stikine | 349 | 348 |
| School District 91 - Nechako Lak | es 3,493 | 2,458 |
| School District 92 - Nisga'a | 87 | 59 |
| School District 93 - Conseil Francophone | 1,345 | 1,345 |

| Public Sector Organization | Emissions | Offsettable Emissions |
|--|-----------|--------------------------|
| Universities & Colleges Total | 138,990 | 113,790 |
| British Columbia Institute of Technology | 8,324 | 8,317 |
| Camosun College | 1,990 | 1,990 |
| Capilano University | 1,476 | 1,475 |
| Coast Mount College | 970 | 963 |
| College of New Caledonia | 2,932 | 2,930 |
| College of the Rockies | 799 | 781 |
| Douglas College | 1,519 | 1,519 |
| Emily Carr University of Art and Design | 280 | 280 |
| Justice Institute of BC | 628 | 625 |
| Kwantlen Polytechnic University | 2,423 | 2,422 |
| Langara College | 1,425 | 1,425 |
| Nicola Valley Institute of Technology | 431 | 429 |
| North Island College | 911 | 911 |
| Northern Lights College | 1,029 | 1,0267 |
| Okanagan College | 1,237 | 1,236 |
| Royal Roads University | 1,125 | 1,116 |
| Selkirk College | 1,162 | 1,161 |
| Simon Fraser University | 14,650 | 14,639 |
| Thompson Rivers University | 3,715 | 3,710 |
| University of British Columbia | 66,258 | 46,553 |
| University of Northern British Columbia | 7,199 | 1,815 |
| University of The Fraser Valley | 2,381 | 2,380 |
| University of Victoria | 11,603 | 11,587 |
| Vancouver Community College | 1,530 | 1,530 |
| Vancouver Island University | 2,995 | 2,974 |

- Due to rounding, numbers presented above may not add up precisely to the totals reported.
- B.C.'s PSOs purchase offsets from the Ministry of Environment & Climate Change Strategy at \$25 per tonne of CO₂e to become carbon neutral.
- In addition to the 639,887 offsets required for 2018, the Ministry retired an additional 4,746 offsets that reflect routine adjustments to previously reported years to ensure all regulated emissions were accounted for.

Table 4. Portfolio of Offset Projects for the 2018 Carbon Neutral Government Commitment

| Project | Sector | Project Type | Price / Tonne | Tonnes CO₂e | Value |
|--|------------------------|----------------------|------------------|----------------|----------------|
| Low Emissions Facility ARC Resources, Dawson Creek | Oil and Gas | Fuel Switching | \$8.00 | 53,992 | \$431,936.00 |
| Electrification of Gas Production Plant (Noel) Blue Source, Dawson Creek | Oil and Gas | Fuel Switching | \$8.50 | 7,674 | \$65,229.00 |
| Electrification of Gas Processing Plant (Septimus) Blue Source, Taylor | Oil and Gas | Fuel Switching | \$8.50 | 20,000 | \$170,000.00 |
| Engine Fuel Gas Management (REMvue) Blue Source, Northeastern BC | Oil and Gas | Energy Efficiency | \$11.00 | 2,529 | \$27,819.00 |
| Natural Gas to Biomass Fuel Switch Canfor B.C. Sawmills – Elko, Prince George, Fort St. John, Chetwynd, Mackenzie | Forest – Industry | Fuel Switching | \$10.00 | 70,512 | \$705,120.00 |
| Forest Conservation/Improved Forest Management Great Bear Rainforest, Haida Gwaii | Forestry – Land Use | Sequestration | \$12.00 | 94,079 | \$1,128,948.00 |
| Forest Conservation/Improved Forest Management Great Bear Rainforest, North and Central Mid-Coast | Forestry – Land Use | Sequestration | \$12.00 | 313,036 | \$3,756,432.00 |
| Forest Conservation/Improved Forest Management Great Bear Rainforest, South Central Coast | Forestry – Land Use | Sequestration | \$12.00 | 50,450 | \$605,400.00 |
| Clean Tech Biomass Gasification Kruger Products, New Westminster | Forest – Industry | Fuel Switching | \$15.00 | 24,768 | \$371,520.00 |
| Forest Conservation Offsetters Clean Technology, Quadra Island | Forestry – Land Use | Sequestration | \$12.00 | 1,000 | \$12,000.00 |
| Switching to Biomass/Installing Energy Curtains Sun Select Delta, Delta | Agriculture | Fuel Switching | \$11.00 | 3,222 | \$35,442.00 |
| Bus Fuel Efficiency Project Translink, Metro Vancouver | Transportation | Energy Efficiency | \$13.00 | 3,371 | \$43,823.00 |
| Grand Total | | | | 644,633 | \$7,353,669.00 |