



Environmental  
Protection Authority  
*Te Mana Rauhi Taiao*

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## CLIMATE CHANGE RESPONSE ACT 2002

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# 2018 Synthetic Greenhouse Gas Levy Report

for the period 1 July 2018 to 30 June 2019, under section 250 of the Climate Change Response Act 2002



## Introduction

The Environmental Protection Authority (EPA) publishes the following information in accordance with section 250 of the Climate Change Response Act 2002 (the Act).

All reported information:

- Is current at 30 June 2019 and relates to activities that were reported during the 2018/19 financial year (1 July 2018 to 30 June 2019).
- Relates to leviable goods imported and leviable motor vehicles registered, and is based on current requirements of the Act.

From 1 July 2013, importers of hydrofluorocarbons (HFC) and perfluorocarbons (PFC) in goods and motor vehicles have paid a carbon price through a levy. The levy on motor vehicles recognises the synthetic greenhouse gas used in vehicle air-conditioning systems. The levy is applied when a motor vehicle is first registered for on-road use in New Zealand and is administered by the New Zealand Transport Agency (NZTA). The levy on other goods that contain HFC and PFC recognises the synthetic greenhouse gases used in other cooling and heating systems (for example, refrigerators and air-conditioners). This levy is applied at the time of import and is administered by the New Zealand Customs Service (Customs).

### Levy collection

Over the period 1 July 2018 to 30 June 2019, **\$14,043,422** GST inclusive was collected from the synthetic greenhouse gas levy on goods and vehicles with 0 instances of non-payment of the levy.

### Motor vehicles

- 302,592 motor vehicles subject to the levy were registered.
- 185,395 kg of synthetic greenhouse gases were contained in motor vehicles subject to the levy.

### Synthetic Greenhouse Gases

In relation to goods containing synthetic greenhouse gases:

- 1,922 consignments of goods containing synthetic greenhouse gases subject to the levy were imported.
- 69,839 items imported contained HFC-134a.
- 86,135 items imported contained R32.
- 1,874 items imported contained R404A.
- 111,252 items imported contained R410A.
- 299,054 kg of synthetic greenhouse gases contained in imported leviable goods were imported.

The EPA would like to acknowledge the help of the Ministry for the Environment, the New Zealand Transport Agency and the New Zealand Customs Service in compiling this report.

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## Table 1: Number of people who registered a motor vehicle

This table shows the total number of people who registered a vehicle under each class of leviable motor vehicle. The levy is applied when a motor vehicle is first registered for on-road use in New Zealand and is administered by the New Zealand Transport Agency (NZTA).

Released under section 250(1)(a)

Class of leviable motor vehicle	Number of people who registered a vehicle
Small passenger motor vehicles (MA, MB, MC)	172,672
Medium passenger vehicles (MD)	1,012
Large passenger vehicles (ME)	326
Small goods vehicles (NA)	39,148
Large goods vehicles (NB, NC)	5,469

## Table 2: Number of leviable motor vehicles registered

This table shows the total number of leviable motor vehicles registered for each specified synthetic greenhouse gas used in the air-conditioning system of a leviable motor vehicle.

Released under section 250(1)(b)

Synthetic greenhouse gas	Number of leviable motor vehicles registered
HFC-134a	302,592

### Table 3: Number of leviable motor vehicles registered

This table shows the total number of motor vehicles registered for each class of leviable motor vehicle.  
Released under section 250(1)(e)

Class of leviable motor vehicle	Number of leviable motor vehicles registered
Small passenger motor vehicles (MA, MB, MC)	238,055
Medium passenger vehicles (MD)	1,411
Large passenger vehicles (ME)	579
Small goods vehicles (NA)	54,601
Large goods vehicles (NB, NC)	7,945
Not Recorded	1
<b>Total number of leviable motor vehicles</b>	<b>302,592</b>

### Table 4: Quantity of synthetic greenhouse gas treated as contained in the air-conditioning systems of leviable motor vehicles

This table shows the total quantity of synthetic greenhouse gas treated as contained in the air-conditioning systems of leviable motor vehicles for each class registered.

Released under section 250(1)(g)

Class of leviable motor vehicle	Quantity of synthetic greenhouse gas (kg)
Small passenger motor vehicles (MA, MB, MC)	142,833
Medium passenger vehicles (MD)	1,129
Large passenger vehicles (ME)	2,316
Small goods vehicles (NA)	32,761
Large goods vehicles (NB, NC)	6,356
<b>Total</b>	<b>185,395</b>

## Table 5: Number of people who imported leviable goods<sup>1</sup>

This table shows the number of people who imported leviable goods of that class for each class.

Released under section 250(1)(c)

Class of leviable good	Number of people who imported leviable goods
1) Air-conditioning units (household and small commercial window- or wall-mounted heat pumps)	28
2) Air-conditioning units for installing in vehicles (not including those already installed in vehicles)	1
3) Air-conditioning units (household and small commercial heat pumps)	13
4) Air-conditioning units (large commercial and industrial reversible heat pumps)	6
5) Air-conditioning units (household and small commercial heat pumps, not covered under headings 1 to 4)	14
6) Air-conditioning units (large commercial and industrial heat pumps not covered under headings 1 to 5)	7
7) Air-conditioning unit parts (for all types of household, commercial, and industrial heat pumps)	15
8) Combined refrigerator–freezers	12
9) Refrigerators (household)	13
10) Chest freezers	8
11) Upright freezers	12
12) Refrigerating units (such as commercial display cooling and freezing equipment)	68
13) Heat pumps (other than air-conditioning machines described in classes covered under headings 1 to 7)	18
14) Refrigerating units (water coolers, ice- or ice-cream makers, refrigerated transport units, and other commercial cooling and freezing equipment not expressly covered in classes covered under headings 1 to 13)	92
15) Parts for refrigerating or freezing units (charged with refrigerant for all types of household and commercial equipment) and some heat pumps	7
16) Refrigerated beverage-vending machines	3
17) Dehumidifiers	10
18) Refrigerated containers, vehicles, trailers, tankers, and vessels	6
19) Polyurethanes	0
20) Fire extinguishers	1
21) Industrial ink-jet printing machines	0

<sup>1</sup> Tables 5, 7 and 8 refer to the classes numbered 1–21 and are in the order they appear in the Climate Change (Synthetic Greenhouse Gas Levies) Regulations 2013.

**Table 6: Total quantity of goods imported for each specified synthetic greenhouse gas treated as contained in a class of leviable goods**

This table shows the total quantity of goods of that class imported for each specified synthetic greenhouse gas treated as contained in a class of leviable goods.

Released under section 250(1)(d)

Specified SGG contained in a class of leviable goods	Quantity of goods imported
<b>HFC-134a</b>	
1) Air-conditioning units (household and small commercial window- or wall-mounted heat pumps)	3
2) Air-conditioning units for installing in vehicles (not including those already installed in vehicles)	1
3) Air-conditioning units (household and small commercial heat pumps)	2
4) Air-conditioning units (large commercial and industrial reversible heat pumps)	0
5) Air-conditioning units (household and small commercial heat pumps, not covered under headings 1 to 4)	2
6) Air-conditioning units (large commercial and industrial heat pumps not covered under headings 1 to 5)	5
7) Air-conditioning unit parts (for all types of household, commercial, and industrial heat pumps)	12
8) Combined refrigerator-freezers	14,025
9) Refrigerators (household)	6,003
10) Chest freezers	5,581
11) Upright freezers	3,286
12) Refrigerating units (such as commercial display cooling and freezing equipment)	7,577
13) Heat pumps (other than air-conditioning machines described in classes covered under headings 1 to 7)	49
14) Refrigerating units (water coolers, ice- or ice-cream makers, refrigerated transport units, and other commercial cooling and freezing equipment not expressly covered in classes covered under headings 1 to 13)	10,879
15) Parts for refrigerating or freezing units (charged with refrigerant for all types of household and commercial equipment) and some heat pumps	52
16) Refrigerated beverage-vending machines	35
17) Dehumidifiers	22,304
18) Refrigerated containers, vehicles, trailers, tankers, and vessels	23
21) Industrial ink-jet printing machines	0
<b>Sub-total HFC-134a</b>	<b>69,839</b>
<b>HFC-227ea</b>	
20) Fire extinguishers	2
<b>Sub-total HFC-227ea</b>	<b>2</b>
<b>HFC-245fa</b>	
19) Polyurethanes	0
<b>Sub-total HFC-245fa</b>	<b>0</b>
<b>R32</b>	
1) Air-conditioning units (household and small commercial window- or wall-mounted heat pumps)	62,028

3) Air-conditioning units (household and small commercial heat pumps)	10,232
4) Air-conditioning units (large commercial and industrial reversible heat pumps)	0
5) Air-conditioning units (household and small commercial heat pumps, not covered under headings 1 to 4)	503
6) Air-conditioning units (large commercial and industrial heat pumps not covered under headings 1 to 5)	0
7) Air-conditioning unit parts (for all types of household, commercial, and industrial heat pumps)	13,275
13) Heat pumps (other than air-conditioning machines described in classes covered under headings 1 to 7)	97
<b>Sub-total R32</b>	<b>86,135</b>
<b>R404A</b>	
12) Refrigerating units (such as commercial display cooling and freezing equipment)	796
14) Refrigerating units (water coolers, ice- or ice-cream makers, refrigerated transport units, and other commercial cooling and freezing equipment not expressly covered in classes covered under headings 1 to 13)	1,003
15) Parts for refrigerating or freezing units (charged with refrigerant for all types of household and commercial equipment) and some heat pumps	43
16) Refrigerated beverage-vending machines	0
18) Refrigerated containers, vehicles, trailers, tankers, and vessels	32
<b>Sub-total R404A</b>	<b>1,874</b>
<b>R407F</b>	
14) Refrigerating units (water coolers, ice- or ice-cream makers, refrigerated transport units, and other commercial cooling and freezing equipment not expressly covered in classes covered under headings 1 to 13)	62
<b>Sub-total R407F</b>	<b>62</b>
<b>R410A</b>	
1) Air-conditioning units (household and small commercial window- or wall-mounted heat pumps)	23,121
3) Air-conditioning units (household and small commercial heat pumps)	21,180
4) Air-conditioning units (large commercial and industrial reversible heat pumps)	280
5) Air-conditioning units (household and small commercial heat pumps, not covered under headings 1 to 4)	2,388
6) Air-conditioning units (large commercial and industrial heat pumps not covered under headings 1 to 5)	13
7) Air-conditioning unit parts (for all types of household, commercial, and industrial heat pumps)	63,606
13) Heat pumps (other than air-conditioning machines described in classes covered under headings 1 to 7)	659
14) Refrigerating units (water coolers, ice- or ice-cream makers, refrigerated transport units, and other commercial cooling and freezing equipment not expressly covered in classes covered under headings 1 to 13)	5
<b>Sub-total R410A</b>	<b>111,252</b>
<b>Total quantity of goods imported</b>	<b>269,164</b>

## Table 7: Number of consignments imported in each class of leviable goods

This table shows the number of consignments imported for each class of leviable goods<sup>2</sup>.

Released under section 250(1)(f)

Class of leviable goods	Number of consignments imported
1) Air-conditioning units (household and small commercial window- or wall-mounted heat pumps)	406
2) Air-conditioning units for installing in vehicles (not including those already installed in vehicles)	1
3) Air-conditioning units (household and small commercial heat pumps)	131
4) Air-conditioning units (large commercial and industrial reversible heat pumps)	30
5) Air-conditioning units (household and small commercial heat pumps, not covered under headings 1 to 4)	35
6) Air-conditioning units (large commercial and industrial heat pumps not covered under headings 1 to 5)	9
7) Air-conditioning unit parts (for all types of household, commercial, and industrial heat pumps)	643
8) Combined refrigerator–freezers	115
9) Refrigerators (household)	74
10) Chest freezers	54
11) Upright freezers	76
12) Refrigerating units (such as commercial display cooling and freezing equipment)	392
13) Heat pumps (other than air-conditioning machines described in classes covered under headings 1 to 7)	73
14) Refrigerating units (water coolers, ice- or ice-cream makers, refrigerated transport units, and other commercial cooling and freezing equipment not expressly covered in classes covered under headings 1 to 13)	355
15) Parts for refrigerating or freezing units (charged with refrigerant for all types of household and commercial equipment) and some heat pumps	23
16) Refrigerated beverage-vending machines	6
17) Dehumidifiers	38
18) Refrigerated containers, vehicles, trailers, tankers, and vessels	40
19) Polyurethanes	0
20) Fire extinguishers	1
21) Industrial ink-jet printing machines	0
<b>Total number of consignments imported</b>	<b>2,502<sup>1</sup></b>

<sup>1</sup>Where a single consignment contains more than one class of leviable good, we have counted this more than once in this total.

## Table 8: Quantity of synthetic greenhouse gas treated as contained in leviable goods

This table shows the total quantity of synthetic greenhouse gas treated as contained in leviable goods of each class imported. These figures capture all goods for which a levy was paid and instances where leviable goods were not required to pay a levy as they contained zero synthetic greenhouse gases.

Released under section 250(1)(h)

Class of leviable goods	Quantity of synthetic greenhouse gas (kg)
1) Air-conditioning units (household and small commercial window- or wall-mounted heat pumps)	104,322
2) Air-conditioning units for installing in vehicles (not including those already installed in vehicles)	0
3) Air-conditioning units (household and small commercial heat pumps)	41,433
4) Air-conditioning units (large commercial and industrial reversible heat pumps)	1,206
5) Air-conditioning units (household and small commercial heat pumps, not covered under headings 1 to 4)	3,447
6) Air-conditioning units (large commercial and industrial heat pumps not covered under headings 1 to 5)	352
7) Air-conditioning unit parts (for all types of household, commercial, and industrial heat pumps)	131,969
8) Combined refrigerator–freezers	1,695
9) Refrigerators (household)	481
10) Chest freezers	783
11) Upright freezers	321
12) Refrigerating units (such as commercial display cooling and freezing equipment)	3,508
13) Heat pumps (other than air-conditioning machines described in classes covered under headings 1 to 7)	2,503
14) Refrigerating units (water coolers, ice- or ice-cream makers, refrigerated transport units, and other commercial cooling and freezing equipment not expressly covered in classes covered under headings 1 to 13)	3,532
15) Parts for refrigerating or freezing units (charged with refrigerant for all types of household and commercial equipment) and some heat pumps	47
16) Refrigerated beverage-vending machines	7
17) Dehumidifiers	3,346
18) Refrigerated containers, vehicles, trailers, tankers, and vessels	102
19) Polyurethanes	0
20) Fire extinguishers	0
21) Industrial ink-jet printing machines	0
<b>Total number of kilograms imported</b>	<b>299,054</b>

## Table 9: Total amount of money collected from the levy

This table shows the total amount of money collected from the levy.

Released under section 250(1)(i)

<b>Total amount of levy money collected</b>
<b>\$14,042,131</b>

The information in this table is correct as of 30 June 2019 and covers the total amount of levy money plus GST collected between 1 July 2018 and 30 June 2019.

## Table 10: Number of people who failed to comply with their obligation to pay a levy

This table shows the total number of people who failed to comply with their obligation to pay a levy.

Released under section 250(1)(j)

<b>Number of people who failed to comply with their obligation to pay a levy</b>
<b>0</b>