



Environmental
Protection Authority
Te Mana Rauhi Taiao

CLIMATE CHANGE RESPONSE ACT 2002

2016 Synthetic Greenhouse Gas Levy Report

for the period 1 July 2016 to 30 June 2017, 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 to 30 June 2017 and relates to activities that were reported during the 2016/17 financial year (1 July 2016 to 30 June 2017).
- 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 time of import and is administered by the New Zealand Customs Service (Customs).

Levy collection

Over the period 1 July 2016 to 30 June 2017, **\$3,417,269** was collected from the synthetic greenhouse gas levy on goods and vehicles with 0 instances of non-payment of the levy.

Motor vehicles

- 321,500 motor vehicles subject to the levy were registered.
- 196,790kg of synthetic greenhouse gases were contained in motor vehicles subject to the levy.

Synthetic Greenhouse Gases

In relation to goods containing synthetic greenhouse gases:

- 1,973 consignments of goods containing synthetic greenhouse gases subject to the levy were imported.
- 75,030 items imported contained HFC-134a.
- 1,776 items imported contained R404A.
- 131,975 items imported contained R410A.
- 251,903kg 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.

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) | 194,145 |
| Medium passenger vehicles (MD) | 1,174 |
| Large passenger vehicles (ME) | 277 |
| Small goods vehicles (NA) | 39,552 |
| Large goods vehicles (NB, NC) | 5,049 |

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 | 321,500 |

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)

| Synthetic greenhouse gas | Number of leviable motor vehicles registered |
|--|--|
| Small passenger motor vehicles (MA, MB, MC) | 260,851 |
| Medium passenger vehicles (MD) | 1,635 |
| Large passenger vehicles (ME) | 647 |
| Small goods vehicles (NA) | 51,553 |
| Large goods vehicles (NB, NC) | 6,814 |
| Total number of leviable motor vehicles | 321,500 |

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) | 156,511 |
| Medium passenger vehicles (MD) | 1,308 |
| Large passenger vehicles (ME) | 2,588 |
| Small goods vehicles (NA) | 30,932 |
| Large goods vehicles (NB, NC) | 5,451 |
| Total | 196,790 |

Table 5: Number of people who imported leviable goods¹

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 |
|--|--|
| Air-conditioning units (household and small commercial window- or wall-mounted heat pumps) | 20 |
| Air-conditioning units for installing in vehicles (not including those already installed in vehicles) | 3 |
| Air-conditioning units (household and small commercial heat pumps) | 6 |
| Air-conditioning units (large commercial and industrial reversible heat pumps) | 6 |
| Air-conditioning units (household and small commercial heat pumps, not covered under headings 1 to 4) | 9 |
| Air-conditioning units (large commercial and industrial heat pumps not covered under headings 1 to 5) | 10 |
| Air-conditioning unit parts (for all types of household, commercial, and industrial heat pumps) | 13 |
| Combined refrigerator–freezers | 15 |
| Refrigerators (household) | 19 |
| Chest freezers | 12 |
| Upright freezers | 19 |
| Refrigerating units (such as commercial display cooling and freezing equipment) | 67 |
| Heat pumps (other than air-conditioning machines described in classes covered under headings 1 to 7) | 21 |
| 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) | 83 |
| Parts for refrigerating or freezing units (charged with refrigerant for all types of household and commercial equipment) and some heat pumps | 5 |
| Refrigerated beverage-vending machines | 6 |
| Dehumidifiers | 10 |
| Refrigerated containers, vehicles, trailers, tankers, and vessels | 6 |

¹ Tables 5, 7 and 8 refer to the classes numbered 1–18 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 |
|--|----------------------------|
| HFC-134a | 75,030 |
| R404A | 1,776 |
| R410A | 131,975 |
| Total quantity of goods imported | 208,781 |

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 goods².

Released under section 250(1)(f)

| Class of leviable goods | Number of consignments imported |
|--|---------------------------------|
| Air-conditioning units (household and small commercial window- or wall-mounted heat pumps) | 287 |
| Air-conditioning units for installing in vehicles (not including those already installed in vehicles) | 6 |
| Air-conditioning units (household and small commercial heat pumps) | 90 |
| Air-conditioning units (large commercial and industrial reversible heat pumps) | 32 |
| Air-conditioning units (household and small commercial heat pumps, not covered under headings 1 to 4) | 28 |
| Air-conditioning units (large commercial and industrial heat pumps not covered under headings 1 to 5) | 26 |
| Air-conditioning unit parts (for all types of household, commercial, and industrial heat pumps) | 473 |
| Combined refrigerator-freezers | 160 |
| Refrigerators (household) | 68 |
| Chest freezers | 26 |
| Upright freezers | 53 |
| Refrigerating units (such as commercial display cooling and freezing equipment) | 296 |
| Heat pumps (other than air-conditioning machines described in classes covered under headings 1 to 7) | 50 |
| 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) | 273 |
| Parts for refrigerating or freezing units (charged with refrigerant for all types of household and commercial equipment) and some heat pumps | 25 |
| Refrigerated beverage-vending machines | 11 |
| Dehumidifiers | 31 |
| Refrigerated containers, vehicles, trailers, tankers, and vessels | 38 |
| Total number of consignments imported | 1,973 |

²The methodology taken to quantify the number of consignments containing a given class has been modified from that used in previous section 250 reporting, resulting in lower reported numbers

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) |
|--|---|
| Air-conditioning units (household and small commercial window- or wall-mounted heat pumps) | 61,525 |
| Air-conditioning units for installing in vehicles (not including those already installed in vehicles) | 226 |
| Air-conditioning units (household and small commercial heat pumps) | 37,969 |
| Air-conditioning units (large commercial and industrial reversible heat pumps) | 901 |
| Air-conditioning units (household and small commercial heat pumps, not covered under headings 1 to 4) | 6,403 |
| Air-conditioning units (large commercial and industrial heat pumps not covered under headings 1 to 5) | 1,146 |
| Air-conditioning unit parts (for all types of household, commercial, and industrial heat pumps) | 123,176 |
| Combined refrigerator–freezers | 3,012 |
| Refrigerators (household) | 204 |
| Chest freezers | 82 |
| Upright freezers | 144 |
| Refrigerating units (such as commercial display cooling and freezing equipment) | 8,199 |
| Heat pumps (other than air-conditioning machines described in classes covered under headings 1 to 7) | 3,272 |
| 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) | 2,829 |
| Parts for refrigerating or freezing units (charged with refrigerant for all types of household and commercial equipment) and some heat pumps | 367 |
| Refrigerated beverage-vending machines | 34 |
| Dehumidifiers | 2,345 |
| Refrigerated containers, vehicles, trailers, tankers, and vessels | 70 |
| Total number of kilograms imported | 251,903 |

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)

| Total amount of levy money collected |
|---|
| \$3,417,269 |

The information in this table is correct as of 30 June 2017 and covers the total amount of levy money collected between 1 July 2016 and 30 June 2017.

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)

| Number of people who failed to comply with their obligation to pay a levy |
|--|
| 0 |