



## **Climate Change (Emissions Trading Scheme and Synthetic Greenhouse Gas Levies) Amendment Regulations 2022**

Cindy Kiro, Governor-General

### **Order in Council**

At Wellington this 27th day of September 2022

Present:

Her Excellency the Governor-General in Council

These regulations are made under sections 30G, 30W, 163, 164, 168, 245, and 246 of the Climate Change Response Act 2002—

- (a) on the advice and with the consent of the Executive Council; and
- (b) in compliance with the requirements set out in sections 3A and 3B of that Act; and
- (c) on the recommendation of the Minister of Climate Change tendered after,—
  - (i) in relation to Parts 2, 3, 4, 6, and 7 of these regulations, having had regard to New Zealand's international climate change obligations (if any) in respect of the collection of data and information relating to, and the measurement of, emissions and removals from the relevant activity; and
  - (ii) in relation to Part 5 of these regulations, having had regard to New Zealand's international obligations relating to synthetic greenhouse gases and having complied with the requirements specified in section 30W(2) of that Act.

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**Schedule 2 of Climate Change (Synthetic Greenhouse Gas Levies) Regulations 2013 amended**

## Regulations

### 1 Title

These regulations are the Climate Change (Emissions Trading Scheme and Synthetic Greenhouse Gas Levies) Amendment Regulations 2022.

### 2 Commencement

- (1) These regulations come into force on 1 January 2023.
- (2) However, Part 4 of these regulations, other than regulation 25, comes into force on 1 February 2023.

## Part 1

### Amendments to Climate Change (Unit Register) Regulations 2008

#### 3 Principal regulations

This Part amends the Climate Change (Unit Register) Regulations 2008.

#### 4 Regulation 3 amended (Interpretation)

In regulation 3,—

- (a) revoke the definition of **conversion account**; and
- (b) revoke the definition of **convert**.

#### 5 Regulation 11D and cross-heading revoked

Revoke regulation 11D and the cross-heading above regulation 11D.

#### 6 Cross-heading above regulation 11E amended

In the cross-heading above regulation 11E, delete “*conversion or*”.

#### 7 Regulation 11E revoked (Effect of conversion of unit)

Revoke regulation 11E.

## Part 2

### Amendments to Climate Change (Other Removal Activities) Regulations 2009

#### 8 Principal regulations

This Part amends the Climate Change (Other Removal Activities) Regulations 2009.

#### 9 Regulation 22 and cross-heading revoked

Revoke regulation 22 and the cross-heading above regulation 22.

**10 Schedule 1 amended**

- (1) In Schedule 1, replace table 1 with:

<b>Table 1</b>		
<b>Figures for synthetic greenhouse gases</b>		
<b>Gas</b>	<b>Chemical formula</b>	<b>GWP figure</b>
<i>Hydrofluorocarbons</i>		
HFC-23	CHF <sub>3</sub>	12 400
HFC-32	CH <sub>2</sub> F <sub>2</sub>	677
HFC-41	CH <sub>3</sub> F	116
HFC-125	CHF <sub>2</sub> CF <sub>3</sub>	3 170
HFC-134	CHF <sub>2</sub> CHF <sub>2</sub>	1 120
HCF-134a	CH <sub>2</sub> FCF <sub>3</sub>	1 300
HFC-143	CH <sub>2</sub> FCHF <sub>2</sub>	328
HFC-143a	CH <sub>3</sub> CF <sub>3</sub>	4 800
HFC-152	CH <sub>2</sub> FCH <sub>2</sub> F	16
HFC-152a	CH <sub>3</sub> CHF <sub>2</sub>	138
HFC-161	CH <sub>3</sub> CH <sub>2</sub> F	4
HFC-227ea	CF <sub>3</sub> CHFCF <sub>3</sub>	3 350
HFC-236cb	CH <sub>2</sub> FCF <sub>2</sub> CF <sub>3</sub>	1 210
HFC-236ea	CHF <sub>2</sub> CHFCF <sub>3</sub>	1 330
HFC-236fa	CF <sub>3</sub> CH <sub>2</sub> CF <sub>3</sub>	8 060
HFC-245ca	CH <sub>2</sub> FCF <sub>2</sub> CHF <sub>2</sub>	716
HFC-245fa	CHF <sub>2</sub> CH <sub>2</sub> CF <sub>3</sub>	858
HFC-365mfc	CH <sub>3</sub> CF <sub>2</sub> CH <sub>2</sub> CF <sub>3</sub>	804
HFC-43-10mee	CF <sub>3</sub> CHFCHFCF <sub>2</sub> CF <sub>3</sub>	1 650
<i>Perfluorocarbons</i>		
PFC-14 (perfluoromethane)	CF <sub>4</sub>	6 630
PFC-116 (perfluoroethane)	C <sub>2</sub> F <sub>6</sub>	11 100
PFC-218 (perfluoropropane)	C <sub>3</sub> F <sub>8</sub>	8 900
PFC-318 (perfluorocyclobutane)	c-C <sub>4</sub> F <sub>8</sub>	9 540
PFC-3-1-10 (perfluorobutane)	C <sub>4</sub> F <sub>10</sub>	9 200
PFC-4-1-12 (perfluoropentane)	C <sub>5</sub> F <sub>12</sub>	8 550
PFC-5-1-14 (perfluorohexane)	C <sub>6</sub> F <sub>14</sub>	7 910
PFC-9-1-18 (perfluorodecalin)	C <sub>10</sub> F <sub>18</sub>	7 190

- (2) In Schedule 1, replace table 2 with the table 2 set out in Schedule 1 of these regulations.

## Part 3

### Amendments to Climate Change (Stationary Energy and Industrial Processes) Regulations 2009

#### 11 Principal regulations

This Part amends the Climate Change (Stationary Energy and Industrial Processes) Regulations 2009.

#### 12 Regulation 17 amended (Method of calculating emissions from natural gas mined other than for export)

In regulation 17(3), formula, replace “25” with “28”.

#### 13 Regulation 24 amended (Continuous emissions monitoring method for calculating emissions from combusting used oil, waste oil, used tyres, or municipal waste)

In regulation 24(1)(f), formula,—

- (a) replace “25” with “28”; and
- (b) replace “298” with “265”.

#### 14 Regulation 25 amended (Periodic source testing method for calculating emissions from combusting used oil, waste oil, used tyres, or municipal waste)

In regulation 25(d), formula,—

- (a) replace “25” with “28”; and
- (b) replace “298” with “265”.

#### 15 Regulation 35 amended (Method of calculating emissions from producing aluminium)

- (1) In regulation 35(1), formula, item H, replace “12 200” with “11 100”.
- (2) In regulation 35(1), formula, item J, replace “7 390” with “6 630”.

#### 16 Schedule 2 amended

- (1) In Schedule 2, replace tables 1 to 7 with:

<b>Table 1</b>		
<b>Importing coal</b>		
Class	Emissions factor	Unit
Lignite or peat	94.35	tCO <sub>2</sub> e/TJ
Sub-bituminous	90.43	tCO <sub>2</sub> e/TJ
Bituminous	87.63	tCO <sub>2</sub> e/TJ

**Table 2**  
**Mining or purchasing coal**

Class	Emissions factor	Unit
Lignite—Waimumu and Roxburgh fields	91.53	tCO <sub>2</sub> e/TJ
Lignite—all other fields, or peat	94.35	tCO <sub>2</sub> e/TJ
Sub-bituminous	90.43	tCO <sub>2</sub> e/TJ
Bituminous	87.63	tCO <sub>2</sub> e/TJ

**Table 3**  
**Fugitive coal seam gas**

**Part A—Underground and surface mining**

Category of coal	Emissions factor	Unit
Coal mined from surface mining	0.024	tCO <sub>2</sub> e/t coal
Bituminous coal mined from underground mining	0.514	tCO <sub>2</sub> e/t coal
Sub-bituminous coal mined from underground mining	0.384	tCO <sub>2</sub> e/t coal

**Part B—Flaring and combusting for energy**

	Emissions factor	Unit
Flaring, combusting for energy, or otherwise oxidising coal seam gas	24.75	tCO <sub>2</sub> e/t methane

**Table 4**  
**Importing or purchasing natural gas**

Class	Emissions factor	Unit
Propane	2.987	tCO <sub>2</sub> e/t
Butane	3.023	tCO <sub>2</sub> e/t
LPG (P60:B40)	3.003	tCO <sub>2</sub> e/t
LNG	53.65	tCO <sub>2</sub> e/TJ

**Table 5**  
**Combustion of natural gas (mined or purchased)**

	Class	Emissions factor	Unit
EF <sub>M+N</sub>	Aggregate CH <sub>4</sub> and N <sub>2</sub> O	0.059	tCO <sub>2</sub> e/TJ

	<b>Class</b>	<b>Emissions factor</b>	<b>Unit</b>
OF <sub>GAS</sub>	Aggregate CH <sub>4</sub> and N <sub>2</sub> O	0.011	tCO <sub>2</sub> e/t
	Oxidisation factor for gas other than flared	0.995	n/a
	Oxidisation factor for flared gas	0.980	n/a

**Table 6  
Geothermal fluid**

**Part A**

<b>Class</b>	<b>Emissions factor</b>	<b>Unit</b>
<b>Geothermal fluid used by</b>		
Kawerau II	0.0202	tCO <sub>2</sub> e/t steam
Kawerau Industrial	0.0202	tCO <sub>2</sub> e/t steam
Kawerau KA24	0.0202	tCO <sub>2</sub> e/t steam
Mokai I and II	0.0053	tCO <sub>2</sub> e/t steam
Nga Awa Purua	0.0181	tCO <sub>2</sub> e/t steam
Nga Wha I and II	0.0930	tCO <sub>2</sub> e/t steam
Ohaaki	0.0604	tCO <sub>2</sub> e/t steam
Poihipi Road	0.0049	tCO <sub>2</sub> e/t steam
Rotokawa I	0.0228	tCO <sub>2</sub> e/t steam
Wairakei station site	0.0051	tCO <sub>2</sub> e/t steam
Any other plant or process using geothermal steam to produce electricity or industrial heat	0.0300	tCO <sub>2</sub> e/t steam

**Part B**

<b>Class</b>	<b>Emissions factor</b>	<b>Unit</b>
<b>Geothermal fluid used by</b>		
Mokai Greenhouse	0.0000	tCO <sub>2</sub> e/t2-phase fluid
Tauhara Tenon	0.0009	tCO <sub>2</sub> e/t2-phase fluid
Any other plant or process using geothermal fluid to produce electricity or industrial heat through a process other than production of geothermal steam	0.0009	tCO <sub>2</sub> e/t2-phase fluid

**Table 7  
Combusting used oil, waste oil, used tyres, and waste**

<b>Class</b>	<b>Emissions factor</b>	<b>Unit</b>
Used waste or oil	70.74	tCO <sub>2</sub> e/TJ
Used tyres	58.87	tCO <sub>2</sub> e/TJ



Class	Emissions factor	Unit
Municipal waste—biomass	1.81	tCO <sub>2</sub> e/TJ
Municipal waste—non-biomass	88.05	tCO <sub>2</sub> e/TJ

- (2) In Schedule 2, replace table 10 with:

**Table 10**  
**Mining or purchasing natural gas**

Class	Emissions factor	Unit
Cheal	53.03	tCO <sub>2</sub> e/TJ
Cheal and Cardiff	54.47	tCO <sub>2</sub> e/TJ
Copper Moki	55.81	tCO <sub>2</sub> e/TJ
Kapuni	53.40	tCO <sub>2</sub> e/TJ
Kapuni LTS	86.96	tCO <sub>2</sub> e/TJ
Kowhai	54.15	tCO <sub>2</sub> e/TJ
Kupe	53.18	tCO <sub>2</sub> e/TJ
Maari	53.48	tCO <sub>2</sub> e/TJ
McKee	54.38	tCO <sub>2</sub> e/TJ
Mangahewa	54.36	tCO <sub>2</sub> e/TJ
Maui	52.84	tCO <sub>2</sub> e/TJ
Ngatoro-Kaimiro	54.41	tCO <sub>2</sub> e/TJ
Pohokura	55.20	tCO <sub>2</sub> e/TJ
Radnor	61.46	tCO <sub>2</sub> e/TJ
Rimū/Kauri	50.89	tCO <sub>2</sub> e/TJ
Sidewinder	53.32	tCO <sub>2</sub> e/TJ
Supplejack	49.46	tCO <sub>2</sub> e/TJ
Turangi	55.47	tCO <sub>2</sub> e/TJ
Waihapa	52.47	tCO <sub>2</sub> e/TJ
National average	55.73	tCO <sub>2</sub> e/TJ

**17 Schedule 2A amended**

- (1) In Schedule 2A, replace table 1 with:

**Table 1**  
**Figures for synthetic greenhouse gases**

Gas	Chemical formula	GWP figure
<i>Hydrofluorocarbons</i>		
HFC-23	CHF <sub>3</sub>	12 400
HFC-32	CH <sub>2</sub> F <sub>2</sub>	677
HFC-41	CH <sub>3</sub> F	116
HFC-125	CHF <sub>2</sub> CF <sub>3</sub>	3 170
HFC-134	CHF <sub>2</sub> CHF <sub>2</sub>	1 120
HCF-134a	CH <sub>2</sub> FCF <sub>3</sub>	1 300

<b>Gas</b>	<b>Chemical formula</b>	<b>GWP figure</b>
HFC-143	CH <sub>2</sub> FCHF <sub>2</sub>	328
HFC-143a	CH <sub>3</sub> CF <sub>3</sub>	4 800
HFC-152	CH <sub>2</sub> FCH <sub>2</sub> F	16
HFC-152a	CH <sub>3</sub> CHF <sub>2</sub>	138
HFC-161	CH <sub>3</sub> CH <sub>2</sub> F	4
HFC-227ea	CF <sub>3</sub> CHFCF <sub>3</sub>	3 350
HFC-236cb	CH <sub>2</sub> FCF <sub>2</sub> CF <sub>3</sub>	1 210
HFC-236ea	CHF <sub>2</sub> CHFCF <sub>3</sub>	1 330
HFC-236fa	CF <sub>3</sub> CH <sub>2</sub> CF <sub>3</sub>	8 060
HFC-245ca	CH <sub>2</sub> FCF <sub>2</sub> CHF <sub>2</sub>	716
HFC-245fa	CHF <sub>2</sub> CH <sub>2</sub> CF <sub>3</sub>	858
HFC-365mfc	CH <sub>3</sub> CF <sub>2</sub> CH <sub>2</sub> CF <sub>3</sub>	804
HFC-43-10mee	CF <sub>3</sub> CHFCHFCF <sub>2</sub> CF <sub>3</sub>	1 650
<i>Perfluorocarbons</i>		
PFC-14 (perfluoromethane)	CF <sub>4</sub>	6 630
PFC-116 (perfluoroethane)	C <sub>2</sub> F <sub>6</sub>	11 100
PFC-218 (perfluoropropane)	C <sub>3</sub> F <sub>8</sub>	8 900
PFC-318 (perfluorocyclobutane)	c-C <sub>4</sub> F <sub>8</sub>	9 540
PFC-3-1-10 (perfluorobutane)	C <sub>4</sub> F <sub>10</sub>	9 200
PFC-4-1-12 (perfluoropentane)	C <sub>5</sub> F <sub>12</sub>	8 550
PFC-5-1-14 (perfluorohexane)	C <sub>6</sub> F <sub>14</sub>	7 910
PFC-9-1-18 (perfluorodecalin)	C <sub>10</sub> F <sub>18</sub>	7 190
Sulphur hexafluoride	SF <sub>6</sub>	23 500

- (2) In Schedule 2A, replace table 2 with the table 2 set out in Schedule 2 of these regulations.

## Part 4

### Amendments to Climate Change (Unique Emissions Factors) Regulations 2009

#### 18 Principal regulations

This Part amends the Climate Change (Unique Emissions Factors) Regulations 2009.

#### 19 Regulation 12 amended (Requirements relating to application for unique emissions factor approval for fugitive coal seam gas)

In regulation 12(1)(f), formula, replace “25” with “28”.

**20 Regulation 16 amended (Requirements for applications for unique emissions factor approval for geothermal fluid use calculated by reference to steam production)**

- (1) In regulation 16(1)(d), formula, replace “25” with “28”.
- (2) In regulation 16(2)(c), formula, replace “25” with “28”.

**21 Regulation 17 amended (Requirements for applications for unique emissions factor approval for geothermal fluid use calculated by reference to non-condensable gas concentrations)**

- (1) In regulation 17(1)(c), formula, replace “25” with “28”.
- (2) In regulation 17(2)(c), formula, replace “25” with “28”.

**22 Regulation 23 amended (Calculation of unique emissions factor in accordance with periodic source testing option)**

In regulation 23(1)(c), formula,—

- (a) replace “25” with “28”; and
- (b) replace “298” with “265”.

**23 Regulation 23B amended (Requirements relating to application for unique emissions factor relating to waste composition)**

In regulation 23B(c), formula, replace the equation line with:

$$UEF = (1.68 \times GW) + (2.016 \times NSW) + (1.26 \times OPW) + (3.36 \times PW) + (0.42 \times SSW) + (3.612 \times TMW) + (2.016 \times TXW)$$

**24 Schedule 1 amended**

- (1) In Schedule 1, replace table 1 with:

<b>Table 1</b>		
<b>Emissions factors for CH<sub>4</sub> and N<sub>2</sub>O for obligation fuel participants</b>		
<b>Types of obligation fuel</b>	<b>Emissions factor for CH<sub>4</sub> in tCO<sub>2</sub>e/kl</b>	<b>Emissions factor for N<sub>2</sub>O in tCO<sub>2</sub>e/kl</b>
Regular petrol, as defined in regulation 4(1)(a) of the Climate Change (Liquid Fossil Fuels) Regulations 2008	0.018	0.013
Premium petrol, as defined in regulation 4(1)(b) of the Climate Change (Liquid Fossil Fuels) Regulations 2008	0.018	0.013
Automotive diesel and marine diesel, as defined in regulation 4(1)(c) and (d) of the Climate Change (Liquid Fossil Fuels) Regulations 2008	0.004	0.037

<b>Types of obligation fuel</b>	<b>Emissions factor for CH<sub>4</sub> in tCO<sub>2</sub>e/kl</b>	<b>Emissions factor for N<sub>2</sub>O in tCO<sub>2</sub>e/kl</b>
Aviation spirit, as defined in regulation 4(1)(e) of the Climate Change (Liquid Fossil Fuels) Regulations 2008	0.002	0.017
Jet fuel, as defined in regulation 4(1)(f) of the Climate Change (Liquid Fossil Fuels) Regulations 2008	0.002	0.019
Light fuel oil, as defined in regulation 4(1)(g) of the Climate Change (Liquid Fossil Fuels) Regulations 2008	0.008	0.020
Heavy fuel oil, as defined in regulation 4(1)(h) of the Climate Change (Liquid Fossil Fuels) Regulations 2008	0.008	0.021

(2) In Schedule 1, replace table 4 with:

**Table 4**  
**Emissions factors for methane and nitrous oxide**

<b>Fuel type</b>	<b>Methane (CO<sub>2</sub>e)</b>	<b>Nitrous oxide (CO<sub>2</sub>e)</b>	<b>Aggregate (M+N)</b>	<b>Unit</b>
Coal	0.0186	0.3567	0.3753	tCO <sub>2</sub> e/TJ
Natural gas	0.0354	0.0238	0.0592	tCO <sub>2</sub> e/TJ
Waste	0.8837	1.1160	1.9997	tCO <sub>2</sub> e/TJ

**25 Schedule 3 amended**

In Schedule 3, replace the table with:

<b>Waste stream component</b>	<b>Default waste composition data (SWAP)</b>	<b>IPCC DOC</b>	<b>Equivalent methane generation potential Lo (m<sup>3</sup> CH<sub>4</sub>/tonne)</b>	<b>Decay rate constant k</b>
Garden	5.7%	0.20	100	0.100
Nappies and sanitary	2.5%	0.24	120	0.100
Putrescibles other than garden waste	9.0%	0.15	75	0.185
Paper	5.9%	0.40	200	0.060
Sewage sludge	1.9%	0.05	25	0.185
Timber	12.6%	0.43	215	0.030
Textile	5.0%	0.24	120	0.060
Inert	57.3%	0.00	0	0.000

## Part 5 Amendments to Climate Change (Synthetic Greenhouse Gas Levies) Regulations 2013

### 26 Principal regulations

This Part amends the Climate Change (Synthetic Greenhouse Gas Levies) Regulations 2013.

### 27 Enacting statement amended

In the enacting statement, replace “233(4), 235(4)” with “30W”.

### 28 Regulation 10 amended (Price of carbon)

In regulation 10, replace “2022 levy year is \$36.50” with “2023 levy year is \$67.63”.

### 29 Regulation 11 amended (Rates of levies prescribed)

In regulation 11(1) and (2), replace “2022” with “2023”.

### 30 Schedule 1 amended

In Schedule 1, replace the table with:

Class of leviable motor vehicles	Land Transport Act 1998 class	Unit of measurement	Specified SGG	GWP	SGG content (kg)	Levy rate (excl GST) (\$)
Small passenger motor vehicles	MA	Per vehicle	HFC-134a	1300	0.600	52.7514
	MB	Per vehicle	HFC-134a	1300	0.600	52.7514
	MC	Per vehicle	HFC-134a	1300	0.600	52.7514
Medium passenger vehicles	MD	Per vehicle	HFC-134a	1300	0.800	70.3352
Large passenger vehicles	ME	Per vehicle	HFC-134a	1300	4.000	351.676
Small goods vehicles	NA	Per vehicle	HFC-134a	1300	0.600	52.7514
Large goods vehicles	NB	Per vehicle	HFC-134a	1300	0.800	70.3352
	NC	Per vehicle	HFC-134a	1300	0.800	70.3352

### 31 Schedule 2 amended

In Schedule 2, replace the table with the table set out in Schedule 3 of these regulations.

## **Part 6**

### **Amendments to Climate Change (Liquid Fossil Fuels) Regulations 2008**

#### **32 Principal regulations**

This Part amends the Climate Change (Liquid Fossil Fuels) Regulations 2008.

#### **33 Schedule amended**

In the Schedule, replace the table with:

<b>Obligation fuel</b>	<b>Emissions factor in tCO<sub>2</sub>e/kl</b>
Regular petrol, as per regulation 4(1)(a)	2.313
Premium petrol, as per regulation 4(1)(b)	2.369
Automotive and marine diesel, as per regulation 4(1)(c) and (d)	2.664
Aviation spirit, as per regulation 4(1)(e)	2.198
Jet fuel, as per regulation 4(1)(f)	2.522
Light fuel oil, as per regulation 4(1)(g)	2.928
Heavy fuel oil, as per regulation 4(1)(h)	3.013
Any other fuel, as per regulation 4(1)(i)	3.299

## **Part 7**

### **Amendments to Climate Change (Waste) Regulations 2010**

#### **34 Principal regulations**

This Part amends the Climate Change (Waste) Regulations 2010.

#### **35 Regulation 5 amended (Method of calculating emissions from operating disposal facilities)**

In regulation 5(1), formula, item C, paragraph (a), replace “0.91” with “1.023”.

**Schedule 1**  
**Schedule 1 of Climate Change (Other Removal Activities) 2009 amended**

r 10(2)

**Table 2**  
**GWP figures for classes of hydrofluorocarbons or perfluorocarbons**

Class	Type of hydrofluorocarbon			Type of perfluorocarbon			Other gas	GWP figure for class
	HFC-23	HFC-32	HFC-125	HFC-134a	HFC-143a	HFC-152a		
GWP	14 800	675	3 500	1 430	4 470	124	0	12 400
R23	100%							1 300
R134a				100%				3 470
R403B: 5% R290, 56% R22, 39% R218								3 940
R404A: 44% R125, 52% R143a, 4% R134a			44%	4%	52%			1 640
R407C: 23% R32, 25% R125, 52% R134a		23%	25%	52%				2 430
R408A: 7% R125, 46% R143a, 47% R22			7%		46%		47%	1 920
R410A: 50% R32, 50% R125		50%	50%					1 950
R413A: 9% R218, 88% R134a, 3% R600a				88%			9%	770
R416A: 59% R134a, 39.5% R124, 1.5% R600				59%				2 130
R417A: 46.6% R125, 50% R134a, 3.4% R600			46.6%	50%			3.4%	2 850
R422A: 85.1% R125, 11.5% R134a, 3.4% R600a			85.1%	11.5%			3.4%	

**Climate Change (Emissions Trading Scheme and Synthetic Greenhouse Gas Levies) Amendment Regulations 2022**

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Class	Type of hydrofluorocarbon				Type of perfluoro-carbon			Other gas	GWP figure for class
	HFC-23	HFC-32	HFC-125	HFC-134a	HFC-143a	HFC-152a	PFC-218		
GWP	14 800	675	3 500	1 430	4 470	124	8 830	0	1 270
R448A		26%	26%	21%				27%	1 280
R449A		24%	25%	26%				25%	3 980
R507A: 50% R125, 50% R143a			50%		50%				



**Schedule 2**  
**Schedule 2A of Climate Change (Stationary Energy and Industrial Processes) Regulations 2009 amended**

r 17(2)

**Table 2**  
**GWP figures for classes of hydrofluorocarbons or perfluorocarbons**

Class	Type of hydrofluorocarbon			Type of perfluorocarbon			Other gas	GWP figure for class
	HFC-23	HFC-32	HFC-125	HFC-134a	HFC-143a	HFC-152a		
GWP	14 800	675	3 500	1 430	4 470	124	8 830	0
R23	100%							12 400
R134a				100%				1 300
R403B: 5% R290, 56% R22, 39% R218							39%	3 470
R404A: 44% R125, 52% R143a, 4% R134a			44%	4%	52%			3 940
R407C: 23% R32, 25% R125, 52% R134a		23%	25%	52%				1 640
R408A: 7% R125, 46% R143a, 47% R22			7%		46%			2 430
R410A: 50% R32, 50% R125		50%	50%					1 920
R413A: 9% R218, 88% R134a, 3% R600a				88%			9%	1 950
R416A: 59% R134a, 39.5% R124, 1.5% R600				59%				770
R417A: 46.6% R125, 50% R134a, 3.4% R600			46.6%	50%				2 130
R422A: 85.1% R125, 11.5% R134a, 3.4% R600a			85.1%	11.5%				2 850

**Climate Change (Emissions Trading Scheme and Synthetic Greenhouse Gas Levies) Amendment Regulations 2022**

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Class	Type of hydrofluorocarbon				Type of perfluoro-carbon			Other gas	GWP figure for class
	HFC-23	HFC-32	HFC-125	HFC-134a	HFC-143a	HFC-152a	PFC-218		
GWP	14 800	675	3 500	1 430	4 470	124	8 830	0	1 270
R448A		26%	26%	21%				27%	1 280
R449A		24%	25%	26%				25%	3 980
R507A: 50% R125, 50% R143a			50%		50%				

**Schedule 3**  
**Schedule 2 of Climate Change (Synthetic Greenhouse Gas Levies) Regulations 2013 amended**

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<b>Class of leviable goods</b>	<b>Tariff item</b>	<b>Unit of measurement</b>	<b>Specified SGG</b>	<b>GWP</b>	<b>SGG content (kg)</b>	<b>Levy rate (excl GST) (\$)</b>
<i>Air-conditioning units (household and small commercial window- or wall-mounted heat pumps)</i>						
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity, window or wall types, self-contained or split-system, containing R32, single-phase, and of cooling capacity less than or equal to 4 kW	8415.10.10 01F	Per item	R32	677.00	0.800	36.63
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity, window or wall types, self-contained or split-system, containing R410A, single-phase, and of cooling capacity less than or equal to 4 kW	8415.10.10 05J	Per item	R410A	1920.00	1.000	129.85
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity, window or wall types, self-contained or split-system, containing R32, single-phase, and of cooling capacity greater than 4 kW and less than or equal to 7 kW	8415.10.10 09A	Per item	R32	677.00	1.200	54.94
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity, window or wall types, self-contained or split-system, containing R410A, single-phase, and of cooling capacity greater than 4 kW and less than or equal to 7 kW	8415.10.10 13K	Per item	R410A	1920.00	1.500	194.77
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity, window or wall types, self-contained or split-system, containing R410A, single-phase, and of cooling capacity greater than 4 kW and less than or equal to 7 kW	8415.10.10 22J	Per item	R32	677.00	2.000	91.57

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<b>Class of leviable goods</b>	<b>Tariff item</b>	<b>Unit of measurement</b>	<b>Specified SGG</b>	<b>GWP</b>	<b>SGG content (kg)</b>	<b>Levy rate (excl GST) (\$)</b>
split-system, containing R32, single-phase, and of cooling capacity greater than 7 kW and less than or equal to 10 kW	8415.10.10 24E	Per item	R410A	1920.00	2.500	324.62
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity, window or wall types, self-contained or split-system, containing R410A, single-phase, and of cooling capacity greater than 7 kW and less than or equal to 10 kW	8415.10.10 27K	Per item	R32	677.00	2.800	128.20
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity, window or wall types, self-contained or split-system, containing R32, single-phase, and of cooling capacity greater than 10 kW	8415.10.10 32F	Per item	R410A	1920.00	3.500	454.47
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity, window or wall types, self-contained or split-system, containing R410A, single-phase, and of cooling capacity greater than 10 kW	8415.10.10 34B	Per kg of specified SGG contained in item	R32	677.00	Actual amount	45.79
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity, window or wall types, self-contained or split-system, three-phase, and containing R32	8415.10.10 36J	Per kg of specified SGG contained in item	HFC-134a	1300.00	Actual amount	87.92
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity, window or wall types, self-contained or split-system, three-phase, and containing HFC-134a	8415.10.10 37G	Per kg of specified SGG contained in item	R410A	1920.00	Actual amount	129.85

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<b>Class of leviable goods</b>	<b>Tariff item</b>	<b>Unit of measurement</b>	<b>Specified SGG</b>	<b>GWP</b>	<b>SGG content (kg)</b>	<b>Levy rate (excl GST) (\$)</b>
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity, window or wall types, self-contained or split-system, other than single- or three-phase, and containing R32	8415.10.10 40G	Per kg of specified SGG contained in item	R32	677.00	Actual amount	45.79
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity, window or wall types, self-contained or split-system, other than single- or three-phase, and containing HFC-134a	8415.10.10 42C	Per kg of specified SGG contained in item	HFC-134a	1300.00	Actual amount	87.92
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity, window or wall types, self-contained or split-system, other than single- or three-phase, and containing R410A	8415.10.10 44K	Per kg of specified SGG contained in item	R410A	1920.00	Actual amount	129.85
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity, window or wall types, self-contained or split-system, other than single- or three-phase, and containing R407C	8415.10.10 70J	Per kg of specified SGG contained in item	R407C	1624.21	Actual amount	109.85
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity, window or wall types, self-contained or split-system, three-phase, and containing R513A	8415.10.10 72E	Per kg of specified SGG contained in item	R513A	572.56	Actual amount	38.72
<i>2 Air-conditioning units for installing in vehicles (not including those already installed in vehicles)</i>						
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity, of a kind used for persons and in motor vehicles, and containing HFC-134a	8415.20.00 10C	Per kg of specified SGG contained in item	HFC-134a	1300.00	Actual amount	87.92
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity, of a kind used for persons and in motor vehicles, and containing R513A	8415.20.00 12K	Per kg of specified SGG contained in item	R513A	572.56	Actual amount	38.72

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<b>Class of leviable goods</b>	<b>Tariff item</b>	<b>Unit of measurement</b>	<b>Specified SGG</b>	<b>GWP</b>	<b>SGG content (kg)</b>	<b>Levy rate (excl GST) (\$)</b>
3 <i>Air-conditioning units (household and small commercial heat pumps)</i>						
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity (other than air-conditioning machines described in classes covered under headings 1 and 2), incorporating a refrigerating unit and a valve for reversal of the cooling/heat cycle (reversible heat pumps), containing R32, single-phase, and of cooling capacity less than or equal to 4 kW	8415.81.00 01L	Per item	R32	677.00	0.800	36.63
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity (other than air-conditioning machines described in classes covered under headings 1 and 2), incorporating a refrigerating unit and a valve for reversal of the cooling/heat cycle (reversible heat pumps), containing R410A, single-phase, and of cooling capacity less than or equal to 4 kW	8415.81.00 05C	Per item	R410A	1920.00	1.000	129.85
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity (other than air-conditioning machines described in classes covered under headings 1 and 2), incorporating a refrigerating unit and a valve for reversal of the cooling/heat cycle (reversible heat pumps), containing R410A, single-phase, and of cooling capacity less than or equal to 4 kW	8415.81.00 09F	Per item	R32	677.00	1.200	54.94
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity (other than air-conditioning machines described in classes covered under headings 1 and 2), incorporating a refrigerating unit and a valve for reversal of the cooling/heat cycle (reversible heat pumps), containing R32, single-phase, and of cooling capacity greater than 4 kW and less than or equal to 7 kW	8415.81.00 12F	Per item	R410A	1920.00	1.500	194.77

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<b>Class of leviable goods</b>	<b>Tariff item</b>	<b>Unit of measurement</b>	<b>Specified SGG</b>	<b>GWP</b>	<b>SGG content (kg)</b>	<b>Levy rate (excl GST) (\$)</b>
pumps), containing R410A, single-phase, and of cooling capacity greater than 4 kW and less than or equal to 7 kW	8415.81.00 23A	Per item	R32	677.00	2.000	91.57
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity (other than air-conditioning machines described in classes covered under headings 1 and 2), incorporating a refrigerating unit and a valve for reversal of the cooling/heat cycle (reversible heat pumps), containing R32, single-phase, and of cooling capacity greater than 7 kW and less than or equal to 10 kW	8415.81.00 26F	Per item	R410A	1920.00	2.500	324.62
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity (other than air-conditioning machines described in classes covered under headings 1 and 2), incorporating a refrigerating unit and a valve for reversal of the cooling/heat cycle (reversible heat pumps), containing R410A, single-phase, and of cooling capacity greater than 7 kW and less than or equal to 10 kW	8415.81.00 28B	Per item	R32	677.00	2.800	128.20
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity (other than air-conditioning machines described in classes covered under headings 1 and 2), incorporating a refrigerating unit and a valve for reversal of the cooling/heat cycle (reversible heat pumps), containing R32, single-phase, and of cooling capacity greater than 10 kW	8415.81.00 33J	Per item	R410A	1920.00	3.500	454.47

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<b>Class of leviable goods</b>	<b>Tariff item</b>	<b>Unit of measurement</b>	<b>Specified SGG</b>	<b>GWP</b>	<b>SGG content (kg)</b>	<b>Levy rate (excl GST) (\$)</b>
described in classes covered under headings 1 and 2), incorporating a refrigerating unit and a valve for reversal of the cooling/heat cycle (reversible heat pumps), containing R410A, single-phase, and of cooling capacity greater than 10 kW						
<i>Air-conditioning units (large commercial and industrial reversible heat pumps)</i>						
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity (other than air-conditioning machines described in classes covered under headings 1 and 2), incorporating a refrigerating unit and a valve for reversal of the cooling/heat cycle (reversible heat pumps), three-phase, and containing R32	8415.81.00 36C	Per kg of specified SGG contained in item	R32	677.00	Actual amount	45.79
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity (other than air-conditioning machines described in classes covered under headings 1 and 2), incorporating a refrigerating unit and a valve for reversal of the cooling/heat cycle (reversible heat pumps), three-phase, and containing HFC-134a	8415.81.00 37A	Per kg of specified SGG contained in item	HFC-134a	1300.00	Actual amount	87.92
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity (other than air-conditioning machines described in classes covered under headings 1 and 2), incorporating a refrigerating unit and a valve for reversal of the cooling/heat cycle (reversible heat pumps), three-phase, and containing R410A	8415.81.00 38K	Per kg of specified SGG contained in item	R410A	1920.00	Actual amount	129.85
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity (other than air-conditioning machines described in classes covered under headings 1 and 2), incorporating a refrigerating unit and a valve for reversal of the cooling/heat cycle (reversible heat pumps), three-phase, and containing R410A	8415.81.00 42H	Per kg of specified SGG contained in item	R32	677.00	Actual amount	45.79



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<b>Class of leviable goods</b>	<b>Tariff item</b>	<b>Unit of measurement</b>	<b>Specified SGG</b>	<b>GWP</b>	<b>SGG content (kg)</b>	<b>Levy rate (excl GST) (\$)</b>
reversal of the cooling/heat cycle (reversible heat pumps), and containing R32 and other than single or three-phase						
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity (other than air-conditioning machines described in classes covered under headings 1 and 2), incorporating a refrigerating unit and a valve for reversal of the cooling/heat cycle (reversible heat pumps), containing HFC-134a, and other than single- or three-phase	8415.81.00 44D	Per kg of specified SGG contained in item	HFC-134a	1300.00	Actual amount	87.92
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity (other than air-conditioning machines described in classes covered under headings 1 and 2), incorporating a refrigerating unit and a valve for reversal of the cooling/heat cycle (reversible heat pumps), containing R410A, and other than single- or three-phase	8415.81.00 46L	Per kg of specified SGG contained in item	R410A	1920.00	Actual amount	129.85
<b>5</b> <i>Air-conditioning units (household and small commercial heat pumps, not covered under headings 1 to 4)</i>						
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity (other than air-conditioning machines described in classes covered under headings 1 to 4), incorporating a refrigerating unit (but no valve for reversal of the cooling/heat cycle), containing R32, single-phase, and of cooling capacity less than or equal to 4 kW	8415.82.10 01L	Per item	R32	677.00	0.800	36.63
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity (other than air-conditioning machines described in classes covered under headings 1 to 4),	8415.82.10 05C	Per item	R410A	1920.00	1.000	129.85

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<b>Class of leviable goods</b>	<b>Tariff item</b>	<b>Unit of measurement</b>	<b>Specified SGG</b>	<b>GWP</b>	<b>SGG content (kg)</b>	<b>Levy rate (excl GST) (\$)</b>
incorporating a refrigerating unit (but no valve for reversal of the cooling/heat cycle), containing R410A, single-phase, and of cooling capacity less than or equal to 4 kW	8415.82.10 09F	Per item	R32	677.00	1.200	54.94
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity (other than air-conditioning machines described in classes covered under headings 1 to 4), incorporating a refrigerating unit (but no valve for reversal of the cooling/heat cycle), containing R32, single-phase, and of cooling capacity greater than 4 kW and less than or equal to 7 kW	8415.82.10 12F	Per item	R410A	1920.00	1.500	194.77
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity (other than air-conditioning machines described in classes covered under headings 1 to 4), incorporating a refrigerating unit (but no valve for reversal of the cooling/heat cycle), containing R410A, single-phase, and of cooling capacity greater than 4 kW and less than or equal to 7 kW	8415.82.10 23A	Per item	R32	677.00	2.000	91.57
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity (other than air-conditioning machines described in classes covered under headings 1 to 4), incorporating a refrigerating unit (but no valve for reversal of the cooling/heat cycle), containing R32, single-phase, and of cooling capacity greater than 7 kW and less than or equal to 10 kW	8415.82.10 26F	Per item	R410A	1920.00	2.500	324.62

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<b>Class of leviable goods</b>	<b>Tariff item</b>	<b>Unit of measurement</b>	<b>Specified SGG</b>	<b>GWP</b>	<b>SGG content (kg)</b>	<b>Levy rate (excl GST) (\$)</b>
incorporating a refrigerating unit (but no valve for reversal of the cooling/heat cycle), containing R410A, single-phase, and of cooling capacity greater than 7 kW and less than or equal to 10 kW	8415.82.10 28B	Per item	R32	677.00	2.800	128.20
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity (other than air-conditioning machines described in classes covered under headings 1 to 4), incorporating a refrigerating unit (but no valve for reversal of the cooling/heat cycle), containing R32, single-phase, and of cooling capacity greater than 10 kW	8415.82.10 33J	Per item	R410A	1920.00	3.500	454.47
<b>6</b> <i>Air-conditioning units (large commercial and industrial heat pumps not covered under headings 1 to 5)</i>						
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity (other than air-conditioning machines described in classes covered under headings 1 to 5), incorporating a refrigerating unit (but no valve for reversal of the cooling/heat cycle), three-phase, and containing R32	8415.82.10 36C	Per kg of specified SGG contained in item	R32	677.00	Actual amount	45.79
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity (other than air-conditioning machines described in classes covered under headings 1 to 5),	8415.82.10 37A	Per kg of specified SGG contained in item	HFC-134a	1300.00	Actual amount	87.92

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<b>Class of leviable goods</b>	<b>Tariff item</b>	<b>Unit of measurement</b>	<b>Specified SGG</b>	<b>GWP</b>	<b>SGG content (kg)</b>	<b>Levy rate (excl GST) (\$)</b>
incorporating a refrigerating unit (but no valve for reversal of the cooling/heat cycle), three-phase, and containing HFC-134a	8415.82.10 38K	Per kg of specified SGG contained in item	R410A	1920.00	Actual amount	129.85
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity (other than air-conditioning machines described in classes covered under headings 1 to 5), incorporating a refrigerating unit (but no valve for reversal of the cooling/heat cycle), three-phase, and containing R410A	8415.82.10 52E	Per kg of specified SGG contained in item	R32	677.00	Actual amount	45.79
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity (other than air-conditioning machines described in classes covered under headings 1 to 5), incorporating a refrigerating unit (but no valve for reversal of the cooling/heat cycle), and containing R32, and other than single- or three-phase	8415.82.10 53C	Per kg of specified SGG contained in item	HFC-134a	1300.00	Actual amount	87.92
Air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity (other than air-conditioning machines described in classes covered under headings 1 to 5), incorporating a refrigerating unit (but no valve for reversal of the cooling/heat cycle), containing HFC-134a, and other than single- or three-phase	8415.82.10 54A	Per kg of specified SGG contained in item	R410A	1920.00	Actual amount	129.85

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<b>Class of leviable goods</b>	<b>Tariff item</b>	<b>Unit of measurement</b>	<b>Specified SGG</b>	<b>GWP</b>	<b>SGG content (kg)</b>	<b>Levy rate (excl GST) (\$)</b>
7	<i>Air-conditioning unit parts (for all types of household, commercial, and industrial heat pumps)</i>					
	Parts (containing R32) for air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity	Per kg of specified SGG contained in item	R32	677.00	Actual amount	45.79
	Parts (containing R410A) for air-conditioning machines comprising a motor-driven fan and elements for changing the temperature and humidity	Per kg of specified SGG contained in item	R410A	1920.00	Actual amount	129.85
8	<i>Combined refrigerator-freezers</i>					
	Combined refrigerator-freezers fitted with separate external doors, and containing HFC-134a, compression type, less than 200 litres gross internal capacity	Per item	HFC-134a	1300.00	0.100	8.79
	Combined refrigerator-freezers fitted with separate external doors, and containing HFC-134a, compression type, 200 litres and over but less than 300 litres gross internal capacity	Per item	HFC-134a	1300.00	0.110	9.67
	Combined refrigerator-freezers fitted with separate external doors, and containing HFC-134a, compression type, 300 litres and over but less than 400 litres gross internal capacity	Per item	HFC-134a	1300.00	0.120	10.55
	Combined refrigerator-freezers, fitted with separate external doors, and containing HFC-134a, compression type, 400 litres and over but less than 500 litres gross internal capacity	Per item	HFC-134a	1300.00	0.130	11.43
	Combined refrigerator-freezers fitted with separate external doors, and containing HFC-134a, compression type, 500 litres and over gross internal capacity	Per item	HFC-134a	1300.00	0.150	13.19
	Combined refrigerator-freezers fitted with separate external doors, and containing HFC-134a, non-compression type and non-absorption type	Per item	HFC-134a	1300.00	0.150	13.19

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9 <i>Refrigerators (household)</i> Refrigerators for household use, compression type, and containing HFC-134a, less than 200 litres gross internal capacity	8418.21.00 10B	Per item	HFC-134a	1300.00	0.070	6.15
Refrigerators for household use, compression type, and containing HFC-134a, 200 litres and over but less than 300 litres gross internal capacity	8418.21.00 13G	Per item	HFC-134a	1300.00	0.090	7.91
Refrigerators for household use, compression type, and containing HFC-134a, 300 litres and over but less than 400 litres gross internal capacity	8418.21.00 15C	Per item	HFC-134a	1300.00	0.100	8.79
Refrigerators for household use, compression type, and containing HFC-134a, 400 litres and over but less than 500 litres gross internal capacity	8418.21.00 17K	Per item	HFC-134a	1300.00	0.110	9.67
Refrigerators for household use, compression type, and containing HFC-134a, 500 litres and over gross internal capacity	8418.21.00 19F	Per item	HFC-134a	1300.00	0.13	11.43
10 <i>Chest freezers</i> Freezers of the chest type, less than 300 litres capacity, and containing HFC-134a	8418.30.00 10A	Per item	HFC-134a	1300.00	0.140	12.31
Freezers of the chest type, over 300 litres but less than 800 litres capacity, and containing HFC-134a	8418.30.00 19E	Per item	HFC-134a	1300.00	0.180	15.83
11 <i>Upright freezers</i> Freezers of the upright type, less than 200 litres capacity, and containing HFC-134a	8418.40.00 10E	Per item	HFC-134a	1300.00	0.080	7.03
Freezers of the upright type, over 200 litres but less than 900 litres capacity, and containing HFC-134a	8418.40.00 19J	Per item	HFC-134a	1300.00	0.110	9.67
12 <i>Refrigerating units (such as commercial display cooling and freezing equipment)</i> Display cooling units incorporating refrigerating equipment and containing HFC-134a	8418.50.01 02D	Per kg of specified SGG contained in item	HFC-134a	1300.00	Actual amount	87.92

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Furniture incorporating refrigerating equipment (such as chests, cabinets, display counters, showcases), other than display cooling units, and containing HFC-134a	8418.50.01 04L	Per kg of specified SGG contained in item	HFC-134a	1300.00	Actual amount	87.92
Display cooling units incorporating refrigerating equipment and containing R404A	8418.50.01 12A	Per kg of specified SGG contained in item	R404A	3940.00	Actual amount	266.46
Furniture incorporating refrigerating equipment (such as chests, cabinets, display counters, showcases), other than display cooling units, and containing R404A	8418.50.01 14H	Per kg of specified SGG contained in item	R404A	3940.00	Actual amount	266.46
Display cooling units incorporating refrigerating equipment containing R407F	8418.50.01 16D	Per item	R407F	1674.10	0.600	67.93
Furniture incorporating refrigerating equipment (such as chests, cabinets, display counters, showcases), other than display cooling units, and containing R407F	8418.50.01 26A	Per item	R407F	1674.10	0.600	67.93
Display freezing units incorporating freezing equipment and containing HFC-134a	8418.50.01 42C	Per kg of specified SGG contained in item	HFC-134a	1300.00	Actual amount	87.92
Furniture incorporating freezing equipment (such as chests, cabinets, display counters, showcases), other than display freezing units, and containing HFC-134a	8418.50.01 44K	Per kg of specified SGG contained in item	HFC-134a	1300.00	Actual amount	87.92
Display freezing units incorporating freezing equipment and containing R404A	8418.50.01 52L	Per kg of specified SGG contained in item	R404A	3940.00	Actual amount	266.46
Furniture incorporating freezing equipment (such as chests, cabinets, display counters, showcases), other than display freezing units, containing R404A	8418.50.01 54G	Per kg of specified SGG contained in item	R404A	3940.00	Actual amount	266.46
Display freezing units incorporating freezing equipment and containing R407F	8418.50.01 56C	Per item	R407F	1674.10	0.600	67.93

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Furniture incorporating freezing equipment (such as chests, cabinets, display counters, showcases), other than display freezing units, and containing R407F	8418.50.01 66L	Per item	R407F	1674.10	0.600	67.93
<b>13 Heat pumps (other than air-conditioning machines described in classes covered under headings 1 to 7)</b>						
Heat pumps (other than air-conditioning machines described in classes covered under headings 1 to 7) containing R32, single-phase, and of cooling capacity less than or equal to 4 kW	8418.61.00 01H	Per item	R32	677.00	0.800	36.63
Heat pumps (other than air-conditioning machines described in classes covered under headings 1 to 7) containing R410A, single-phase, and of cooling capacity less than or equal to 4 kW	8418.61.00 02F	Per item	R410A	1920.00	1.000	129.85
Heat pumps (other than air-conditioning machines described in classes covered under headings 1 to 7) containing R32, single-phase, and of cooling capacity greater than 4 kW and less than or equal to 7 kW	8418.61.00 04B	Per item	R32	677.00	1.200	54.94
Heat pumps (other than air-conditioning machines described in classes covered under headings 1 to 7) containing R410A, single-phase, and of cooling capacity greater than 4 kW and less than or equal to 7 kW	8418.61.00 05L	Per item	R410A	1920.00	1.500	194.77
Heat pumps (other than air-conditioning machines described in classes covered under headings 1 to 7) containing R32, single-phase, and of cooling capacity greater than 7 kW and less than or equal to 10 kW	8418.61.00 07G	Per item	R32	677.00	2.000	91.57
Heat pumps (other than air-conditioning machines described in classes covered under headings 1 to 7) containing R410A, single-phase, and of cooling capacity greater than 7 kW and less than or equal to 10 kW	8418.61.00 08E	Per item	R410A	1920.00	2.500	324.62
Heat pumps (other than air-conditioning machines described in classes covered under headings 1 to 7)	8418.61.00 16F	Per item	R32	677.00	2.800	128.20



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containing R32, single-phase, and of cooling capacity greater than 10 kW						
Heat pumps (other than air-conditioning machines described in classes covered under headings 1 to 7) containing R410A, single-phase, and of cooling capacity greater than 10 kW	8418.61.00 18B	Per item	R410A	1920.00	3.500	454.47
Heat pumps (other than air-conditioning machines described in classes covered under headings 1 to 7), three-phase, and containing R32	8418.61.00 24G	Per kg of specified SGG contained in item	R32	677.00	Actual amount	45.79
Heat pumps (other than air-conditioning machines described in classes covered under headings 1 to 7), three-phase, and containing HFC-134a	8418.61.00 25E	Per kg of specified SGG contained in item	HFC-134a	1300.00	Actual amount	87.92
Heat pumps (other than air-conditioning machines described in classes covered under headings 1 to 7), three-phase, and containing R410A	8418.61.00 26C	Per kg of specified SGG contained in item	R410A	1920.00	Actual amount	129.85
Heat pumps (other than air-conditioning machines described in classes covered under headings 1 to 7) containing R32, and other than single-or-three-phase	8418.61.00 34D	Per kg of specified SGG contained in item	R32	677.00	Actual amount	45.79
Heat pumps (other than air-conditioning machines described in classes covered under headings 1 to 7) containing R410A, and other than single- or three-phase	8418.61.00 36L	Per kg of specified SGG contained in item	R410A	1920.00	Actual amount	129.85
<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)</b>						
Ice-cream-making and other edible ice-making machines containing HFC-134a	8418.69.00 15D	Per item	HFC-134a	1300.00	0.300	26.38
Ice-cream-making and other edible ice-making machines containing R404A	8418.69.00 17L	Per item	R404A	3940.00	0.300	79.94
Ice-cream-making and other edible ice-making machines containing R407F	8418.69.00 18J	Per kg of specified SGG contained in item	R407F	1674.10	Actual amount	113.22

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Ice-cream-making and other edible ice-making machines containing R448A or R449A	8418.69.00 20L	Per kg of specified SGG contained in item	R448A or R449A	1273.49	Actual amount	86.13
Refrigeration equipment containing HFC-134a (other than air-conditioning machines described in classes covered under headings 1 to 13) and suitable for use solely or principally with motor vehicles for the transport of goods, trailers and semi-trailers for the transport of goods, railway or tramway coaches, goods vans and wagons, and marine vessels for the transport of goods	8418.69.00 34L	Per kg of specified SGG contained in item	HFC-134a	1300.00	Actual amount	87.92
Refrigeration equipment containing R404A (other than air-conditioning machines described in classes covered under headings 8 to 13) and suitable for use solely or principally with motor vehicles for the transport of goods, trailers and semi-trailers for the transport of goods, railway or tramway coaches, goods vans and wagons, and marine vessels for the transport of goods	8418.69.00 36G	Per kg of specified SGG contained in item	R404A	3940.00	Actual amount	266.46
Refrigeration equipment containing R407F (other than air-conditioning machines described in classes covered under headings 8 to 13) and suitable for use solely or principally with motor vehicles for the transport of goods, trailers and semi-trailers for the transport of goods, railway or tramway coaches, goods vans and wagons, and marine vessels for the transport of goods	8418.69.00 38C	Per kg of specified SGG contained in item	R407F	1674.10	Actual amount	113.22
Refrigeration equipment containing R448A or R449A (other than air-conditioning machines described in classes covered under headings 8 to 13) and suitable for use solely or principally with motor vehicles for the transport of goods, trailers and semi-trailers for the transport of goods, railway or tramway coaches, goods vans and wagons, and marine vessels for the transport of goods	8418.69.00 40E	Per kg of specified SGG contained in item	R448A or R449A	1273.49	Actual amount	86.13

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the transport of goods, railway or tramway coaches, goods vans and wagons, and marine vessels for the transport of goods						
Water coolers containing HFC-134a not exceeding 200 g	8418.69.00 64B	Per item	HFC-134a	1300.00	0.050	4.40
Water coolers containing HFC-134a exceeding 200 g	8418.69.00 66J	Per kg of specified SGG contained in item	HFC-134a	1300.00	Actual amount	87.92
Water coolers containing R410A	8418.69.00 68E	Per kg of specified SGG contained in item	R410A	1920.00	Actual amount	129.85
Water coolers containing R407f	8418.69.00 70G	Per kg of specified SGG contained in item	R407f	1825.00	Actual amount	123.42
Refrigerating or freezing equipment (other than refrigerating or freezing equipment described in other classes under this heading) that contains HFC-134a (other than air-conditioning machines described in classes covered under headings 1 to 13)	8418.69.00 76F	Per kg of specified SGG contained in item	HFC-134a	1300.00	0.400	87.92
Refrigerating or freezing equipment (other than refrigerating or freezing equipment described in other classes under this heading) that contains R404A (other than air-conditioning machines described in classes covered under headings 1 to 13)	8418.69.00 84G	Per kg of specified SGG contained in item	R404A	3940.00	0.600	266.46
Refrigerating or freezing equipment (other than refrigerating or freezing equipment described in other classes under this heading) that contains R407F (other than air-conditioning machines described in classes covered under headings 1 to 13)	8418.69.00 86C	Per item	R407F	1674.10	0.600	67.93
Refrigerating or freezing equipment (other than refrigerating or freezing equipment described in other classes under this heading) that contains R407F (other than air-conditioning machines described in classes covered under headings 1 to 13)	8418.69.00 88K	Per item	R448A or R449A	1273.49	0.600	51.68

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classes under this heading) that contains R448A or R449A (other than air-conditioning machines described in classes covered under headings 1 to 13)	8418.69.00 90A	Per item	R452A	1945.07	0.600	78.93
Refrigerating or freezing equipment (other than refrigerating or freezing equipment described in other classes under this heading) that contains R452A (other than air-conditioning machines described in classes covered under headings 1 to 13)						
<b>15 Parts for refrigerating or freezing units (charged with refrigerant for all types of household and commercial equipment) and some heat pumps</b>						
Parts containing HFC134A for refrigerating or freezing units	8418.99.00 11B	Per kg of specified SGG contained in item	HFC134A	1300.00	Actual amount	87.92
Parts containing R404A for refrigerating or freezing units	8418.99.00 31G	Per kg of specified SGG contained in item	R404A	3940.00	Actual amount	266.46
Parts containing R407F for refrigerating or freezing units	8418.99.00 32E	Per kg of specified SGG contained in item	R407F	1674.10	Actual amount	113.22
Parts containing R448A or R449A for refrigerating or freezing units	8418.99.00 34A	Per kg of specified SGG contained in item	R448A or R449A	1273.49	Actual amount	86.13
Parts containing R452A for refrigerating or freezing units	8418.99.00 36H	Per kg of specified SGG contained in item	R452A	1945.07	Actual amount	131.55
Parts containing HFC134A for refrigerating or freezing units that are evaporators and condensers	8418.99.00 50C	Per kg of specified SGG contained in item	HFC134A	1300.00	Actual amount	87.92
Parts containing R404A for refrigerating or freezing units that are evaporators and condensers	8418.99.00 52K	Per kg of specified SGG contained in item	R404A	3940.00	Actual amount	266.46

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Parts containing R407F for refrigerating or freezing units that are evaporators and condensers	8418.99.00 54F	Per kg of specified SGG contained in item	R407F	1674.10	Actual amount	113.22
Parts containing R448A or R449A for refrigerating or freezing units that are evaporators and condensers	8418.99.00 56B	Per kg of specified SGG contained in item	R448A or R449A	1273.49	Actual amount	86.13
Parts containing R452A for refrigerating or freezing units that are evaporators and condensers	8418.99.00 58J	Per kg of specified SGG contained in item	R452A	1945.07	Actual amount	131.55
Parts containing HFC134A for refrigerating or freezing equipment (other than parts described in other classes covered under this heading) or heat pumps (other than air-conditioning machines described in classes covered under headings 1 to 7)	8418.99.00 70H	Per kg of specified SGG contained in item	HFC134A	1300.00	Actual amount	87.92
Parts containing R404A for refrigerating or freezing equipment (other than parts described in other classes covered under this heading) or heat pumps (other than air-conditioning machines described in classes covered under headings 1 to 7)	8418.99.00 72D	Per kg of specified SGG contained in item	R404A	3940.00	Actual amount	266.46
Parts containing R407F for refrigerating or freezing equipment (other than parts described in other classes covered under this heading) or heat pumps (other than air-conditioning machines described in classes covered under headings 1 to 7)	8418.99.00 74L	Per kg of specified SGG contained in item	R407F	1674.10	Actual amount	113.22
Parts containing R448A or R449A for refrigerating or freezing equipment (other than parts described in other classes covered under this heading) or heat pumps (other than air-conditioning machines described in classes covered under headings 1 to 7)	8418.99.00 76G	Per kg of specified SGG contained in item	R448A or R449A	1273.49	Actual amount	86.13
Parts containing R452A for refrigerating or freezing equipment (other than parts described in other classes covered under this heading) or heat pumps (other than air-conditioning machines described in classes covered under headings 1 to 7)	8418.99.00 78C	Per kg of specified SGG contained in item	R452A	1945.07	Actual amount	131.55

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covered under this heading) or heat pumps (other than air-conditioning machines described in classes covered under headings 1 to 7)						
16 <i>Refrigerated beverage-vending machines</i>						
Refrigerated beverage-vending machines containing HFC-134a	8476.21.00 10K	Per item	HFC-134a	1300.00	0.200	17.58
Refrigerated beverage-vending machines containing R404A	8476.21.00 12F	Per item	R404A	3940.00	0.200	53.29
Refrigerated beverage-vending machines containing R407F	8476.21.00 14B	Per item	R407F	1674.10	0.200	22.64
Refrigerated beverage-vending machines containing R448A or R449A	8476.21.00 16J	Per item	R448A or R449A	1273.49	0.200	17.23
Automatic goods-vending machines (other than refrigerated beverage-vending machines) containing HFC-134a	8476.81.00 10A	Per item	HFC-134a	1300.00	0.200	17.58
Automatic goods-vending machines (other than refrigerated beverage-vending machines) containing R404A	8476.81.00 15B	Per item	R404A	3940.00	0.200	53.29
Automatic goods-vending machines (other than refrigerated beverage-vending machines) containing R407F	8476.81.00 16L	Per item	R407F	1674.10	0.200	22.64
Automatic goods-vending machines (other than refrigerated beverage-vending machines) containing R448A or R449A	8476.81.00 18G	Per item	R448A or R449A	1273.49	0.200	17.23
17 <i>Dehumidifiers</i>						
Dehumidifiers containing HFC-134a	8479.89.90 15B	Per item	HFC-134a	1300.00	0.150	13.19
18 <i>Refrigerated vehicles, trailers, tankers, and vessels</i>						
Air-conditioning machines containing HFC-134a that are in refrigerated trucks other than in the driving cabs	8704.21.50 02H 8704.21.50 06L	Per kg of specified SGG contained in item	HFC-134a	1300.00	Actual amount	87.92 87.92

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	8704.21.80 12A					87.92
	8704.21.80 14H					87.92
	8704.22.11 12D					87.92
	8704.22.11 14L					87.92
	8704.22.19 12E					87.92
	8704.22.19 14A					87.92
	8704.23.09 12D					87.92
	8704.23.09 14L					87.92
	8704.31.50 02A					87.92
	8704.31.50 06D					87.92
	8704.31.80 12E					87.92
	8704.31.80 14A					87.92
	8704.32.11 12H					87.92
	8704.32.11 14D					87.92
	8704.32.19 12J					87.92
	8704.32.19 14E					87.92
	8704.41.50 02E					87.92
	8704.41.50 04A					87.92
	8704.41.80 12J					87.92
	8704.41.80 14E					87.92
	8704.42.11 12A					87.92
	8704.42.11 14H					87.92
	8704.42.19 12B					87.92
	8704.42.19 14J					87.92
	8704.43.09 12A					87.92
	8704.43.09 14H					87.92

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	8704.51.50 02J					87.92
	8704.51.50 04E					87.92
	8704.51.80 12B					87.92
	8704.51.80 14J					87.92
	8704.52.11 12E					87.92
	8704.52.11 14A					87.92
	8704.52.19 12F					87.92
	8704.52.19 14B					87.92
	8704.60.05 02B					87.92
	8704.60.05 04J					87.92
	8704.60.09 12E					87.92
	8704.60.09 14A					87.92
	8704.60.29 12F					87.92
	8704.60.29 14B					87.92
	8704.90.12 02K					87.92
	8704.90.12 06B					87.92
	8704.90.21 12F					87.92
	8704.90.21 14B					87.92
	8704.90.29 12G					87.92
	8704.90.29 14C					87.92
Air-conditioning machines containing R404A that are in refrigerated trucks other than in the driving cabs	8704.21.50 12E	Per kg of specified SGG contained in item	R404A	3940.00	Actual amount	266.46
	8704.21.50 14A					266.46
	8704.21.80 22J					266.46
	8704.21.80 24E					266.46
	8704.22.11 22A					266.46
	8704.22.11 24H					266.46



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	8704.22.19 22B					266.46
	8704.22.19 24J					266.46
	8704.23.09 22A					266.46
	8704.23.09 24H					266.46
	8704.31.50 12J					266.46
	8704.31.50 14E					266.46
	8704.31.80 22B					266.46
	8704.31.80 24J					266.46
	8704.32.11 22E					266.46
	8704.32.11 24A					266.46
	8704.32.19 22F					266.46
	8704.32.19 24B					266.46
	8704.41.50 12B					266.46
	8704.41.50 14J					266.46
	8704.41.80 22F					266.46
	8704.41.80 24B					266.46
	8704.42.11 22J					266.46
	8704.42.11 24E					266.46
	8704.42.19 22K					266.46
	8704.42.19 24F					266.46
	8704.43.09 22J					266.46
	8704.43.09 24E					266.46
	8704.51.50 12F					266.46
	8704.51.50 14B					266.46
	8704.51.80 22K					266.46
	8704.51.80 24F					266.46

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	8704.52.11 22B					266.46
	8704.52.11 24J					266.46
	8704.52.19 22C					266.46
	8704.52.19 24K					266.46
	8704.60.05 12K					266.46
	8704.60.05 14F					266.46
	8704.60.09 22B					266.46
	8704.60.09 24J					266.46
	8704.60.29 22C					266.46
	8704.60.29 24K					266.46
	8704.90.12 12G					266.46
	8704.90.12 14C					266.46
	8704.90.21 22C					266.46
	8704.90.21 24K					266.46
	8704.90.29 22D					266.46
	8704.90.29 24L					266.46
Air-conditioning machines containing R407F that are in refrigerated trucks other than in the driving cabs	8704.21.50 16H	Per kg of specified SGG contained in item	R407F	1674.10	Actual amount	113.22
	8704.21.50 26E					113.22
	8704.21.80 26A					113.22
	8704.21.80 27K					113.22
	8704.22.11 26D					113.22
	8704.22.11 27B					113.22
	8704.22.19 26E					113.22
	8704.22.19 27C					113.22
	8704.23.09 26D					113.22
	8704.23.09 27B					113.22

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<b>Class of leviable goods</b>	<b>Tariff item</b>	<b>Unit of measurement</b>	<b>Specified SGG</b>	<b>GWP</b>	<b>SGG content (kg)</b>	<b>Levy rate (excl GST) (\$)</b>
	8704.31.50 16A					113.22
	8704.31.50 26J					113.22
	8704.31.80 26E					113.22
	8704.31.80 27C					113.22
	8704.32.11 26H					113.22
	8704.32.11 27F					113.22
	8704.32.19 26J					113.22
	8704.32.19 27G					113.22
	8704.41.50 15G					113.22
	8704.41.50 16E					113.22
	8704.41.80 25L					113.22
	8704.41.80 26J					113.22
	8704.42.11 25C					113.22
	8704.42.11 26A					113.22
	8704.42.19 25D					113.22
	8704.42.19 26B					113.22
	8704.43.09 25C					113.22
	8704.43.09 26A					113.22
	8704.51.50 15L					113.22
	8704.51.50 16J					113.22
	8704.51.80 25D					113.22
	8704.51.80 26B					113.22
	8704.52.11 25G					113.22
	8704.52.11 26E					113.22
	8704.52.19 25H					113.22
	8704.52.19 26F					113.22

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	8704.60.05 15D					113.22
	8704.60.05 16B					113.22
	8704.60.09 25G					113.22
	8704.60.09 26E					113.22
	8704.60.29 25H					113.22
	8704.60.29 26F					113.22
	8704.90.12 16K					113.22
	8704.90.12 26G					113.22
	8704.90.21 26F					113.22
	8704.90.21 27D					113.22
	8704.90.29 26G					113.22
	8704.90.29 27E					113.22
Air-conditioning machines containing R448A or R449A that are in refrigerated trucks other than in the driving cabs	8704.21.50 35D	Per kg of specified SGG contained in item	R448A or R449A	1273.49	Actual amount	86.13
	8704.21.50 28A					86.13
	8704.21.80 28H					86.13
	8704.21.80 30K					86.13
	8704.22.11 28L					86.13
	8704.22.11 30B					86.13
	8704.22.19 28A					86.13
	8704.22.19 30C					86.13
	8704.23.09 28L					86.13
	8704.23.09 30B					86.13
	8704.31.50 28E					86.13
	8704.31.50 35H					86.13
8704.31.80 28A					86.13	
8704.31.80 30C					86.13	

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<b>Class of leviable goods</b>	<b>Tariff item</b>	<b>Unit of measurement</b>	<b>Specified SGG</b>	<b>GWP</b>	<b>SGG content (kg)</b>	<b>Levy rate (excl GST) (\$)</b>
	8704.32.11 28D					86.13
	8704.32.11 30F					86.13
	8704.32.19 28E					86.13
	8704.32.19 30G					86.13
	8704.41.50 17C					86.13
	8704.41.50 18A					86.13
	8704.41.80 27G					86.13
	8704.41.80 28E					86.13
	8704.42.11 27K					86.13
	8704.42.11 28H					86.13
	8704.42.19 27L					86.13
	8704.42.19 28J					86.13
	8704.43.09 27K					86.13
	8704.43.09 28H					86.13
	8704.51.50 17G					86.13
	8704.51.50 18E					86.13
	8704.51.80 27L					86.13
	8704.51.80 28J					86.13
	8704.52.11 27C					86.13
	8704.52.11 28A					86.13
	8704.52.19 27D					86.13
	8704.52.19 28B					86.13
	8704.60.05 17L					86.13
	8704.60.05 18J					86.13
	8704.60.09 27C					86.13
	8704.60.09 28A					86.13

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<b>Class of leviable goods</b>	<b>Tariff item</b>	<b>Unit of measurement</b>	<b>Specified SGG</b>	<b>GWP</b>	<b>SGG content (kg)</b>	<b>Levy rate (excl GST) (\$)</b>
	8704.60.29 27D					86.13
	8704.60.29 28B					86.13
	8704.90.12 28C					86.13
	8704.90.12 35F					86.13
	8704.90.21 28B					86.13
	8704.90.21 30D					86.13
	8704.90.29 28C					86.13
	8704.90.29 30E					86.13
Air-conditioning machines containing HFC-134a that are in refrigerated vans other than in the driving cabs	8704.21.50 42G	Per kg of specified SGG contained in item	HFC-134a	1300.00	Actual amount	87.92
	8704.21.50 44C					87.92
	8704.31.50 42L					87.92
	8704.31.50 44G					87.92
	8704.41.50 42D					87.92
	8704.41.50 44L					87.92
	8704.51.50 42H					87.92
	8704.51.50 44D					87.92
	8704.60.05 42A					87.92
	8704.60.05 44H					87.92
	8704.90.12 42J					87.92
	8704.90.12 44E					87.92
Air-conditioning machines containing R404A that are in refrigerated vans other than in the driving cabs	8704.21.50 52D	Per kg of specified SGG contained in item	R404A	3940.00	Actual amount	266.46
	8704.21.50 54L					266.46
	8704.31.50 52H					266.46
	8704.31.50 54D					266.46
	8704.41.50 52A					266.46
	8704.41.50 54H					266.46

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	8704.51.50 52E					266.46
	8704.51.50 54A					266.46
	8704.60.05 52J					266.46
	8704.60.05 54E					266.46
	8704.90.12 52F					266.46
	8704.90.12 54B					266.46
Air-conditioning machines containing R407F that are in refrigerated vans other than in the driving cabs	8704.21.50 55J	Per kg of specified SGG contained in item	R407F	1674.10	Actual amount	113.22
	8704.21.50 56G					113.22
	8704.31.50 55B					113.22
	8704.31.50 56L					113.22
	8704.41.50 55F					113.22
	8704.41.50 56D					113.22
	8704.51.50 55K					113.22
	8704.51.50 56H					113.22
	8704.60.05 55C					113.22
	8704.60.05 56A					113.22
	8704.90.12 55L					113.22
	8704.90.12 56J					113.22
Air-conditioning machines containing R448A or R449A that are in refrigerated vans other than in the driving cabs	8704.21.50 57E	Per kg of specified SGG contained in item	R448A or R449A	1273.49	Actual amount	86.13
	8704.21.50 58C					86.13
	8704.31.50 57J					86.13
	8704.31.50 58G					86.13
	8704.41.50 57B					86.13
	8704.41.50 58L					86.13
	8704.51.50 57F					86.13
	8704.51.50 58D					86.13

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<b>Class of leviable goods</b>	<b>Tariff item</b>	<b>Unit of measurement</b>	<b>Specified SGG</b>	<b>GWP</b>	<b>SGG content (kg)</b>	<b>Levy rate (excl GST) (\$)</b>
	8704.60.05 57K					86.13
	8704.60.05 58H					86.13
	8704.90.12 57G					86.13
	8704.90.12 58E					86.13
Refrigerated semi-trailers (the load-bearing portion of articulated motor vehicles) for the transport of goods, containing HFC-134a	8716.31.01 10E	Per kg of specified SGG contained in item	HFC-134a	1300.00	Actual amount	87.92
	8716.39.01 10A					87.92
Refrigerated trailers for the transport of goods, containing HFC-134a	8716.31.09 10F	Per kg of specified SGG contained in item	HFC-134a	1300.00	Actual amount	87.92
	8716.39.09 10B					87.92
Refrigerated semi-trailers (the load-bearing portion of articulated motor vehicles) for the transport of goods, containing R404A	8716.31.01 13K	Per kg of specified SGG contained in item	R404A	3940.00	Actual amount	266.46
	8716.39.01 13F					266.46
Refrigerated trailers for the transport of goods, containing R404A	8716.31.09 13L	Per kg of specified SGG contained in item	R404A	3940.00	Actual amount	266.46
	8716.39.09 13G					266.46
Refrigerated semi-trailers (the load-bearing portion of articulated motor vehicles) for the transport of goods, containing R407F	8716.31.01 16D	Per kg of specified SGG contained in item	R407F	1674.10	Actual amount	113.22
	8716.39.01 16L					113.22
Refrigerated semi-trailers (the load-bearing portion of articulated motor vehicles) for the transport of goods, containing R448A or R449A	8716.31.01 18L	Per kg of specified SGG contained in item	R448A or R449A	1273.49	Actual amount	86.13
	8716.39.01 18G					86.13
Refrigerated trailers for the transport of goods, containing R407F	8716.31.09 16E	Per kg of specified SGG contained in item	R407F	1674.10	Actual amount	113.22
	8716.39.09 16A					113.22
Refrigerated trailers for the transport of goods, containing R448A or R449A	8716.31.09 18A	Per kg of specified SGG contained in item	R448A or R449A	1273.49	Actual amount	86.13
	8716.39.09 18H					86.13



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<b>Class of leviable goods</b>	<b>Tariff item</b>	<b>Unit of measurement</b>	<b>Specified SGG</b>	<b>GWP</b>	<b>SGG content (kg)</b>	<b>Levy rate (excl GST) (\$)</b>
Aeroplanes and other aircraft (containing HFC-134a) of an unladen weight less than or equal to 2 000 kg	8802.20.00 20D	Per kg of specified SGG contained in item	HFC-134a	1300.00	Actual amount	87.92
Aeroplanes and other aircraft (containing HFC-134a) of an unladen weight less than or equal to 2 000 kg	8806.10.00 10F	Per kg of specified SGG contained in item	HFC-134a	1300.00	Actual amount	87.92
Aeroplanes and other aircraft (containing HFC-134a) of an unladen weight greater than 2 000 kg and less than or equal to 15 000 kg	8802.30.00 20H	Per kg of specified SGG contained in item	HFC-134a	1300.00	Actual amount	87.92
Aeroplanes and other aircraft (containing HFC-134a) of an unladen weight greater than 2 000 kg and less than or equal to 15 000 kg	8806.10.00 10F	Per kg of specified SGG contained in item	HFC-134a	1300.00	Actual amount	87.92
Aeroplanes and other aircraft (containing HFC-134a) of an unladen weight greater than 15 000 kg	8802.40.00 20A	Per kg of specified SGG contained in item	HFC-134a	1300.00	Actual amount	87.92
Aeroplanes and other aircraft (containing HFC-134a) of an unladen weight greater than 15 000 kg	8806.10.00 10F	Per kg of specified SGG contained in item	HFC-134a	1300.00	Actual amount	87.92
Refrigerated tankers (ships) containing HFC-134a	8901.20.00 10E	Per kg of specified SGG contained in item	HFC-134a	1300.00	Actual amount	87.92
Refrigerated tankers (ships) containing R404A	8901.20.00 13K	Per kg of specified SGG contained in item	R404A	3940.00	Actual amount	266.46
Refrigerated tankers (ships) containing R407F	8901.20.00 16D	Per kg of specified SGG contained in item	R407F	1674.10	Actual amount	113.22
Refrigerated tankers (ships) containing R448A or R449A	8901.20.00 18L	Per kg of specified SGG contained in item	R448A or R449A	1273.49	Actual amount	86.13

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<b>Class of leviable goods</b>	<b>Tariff item</b>	<b>Unit of measurement</b>	<b>Specified SGG</b>	<b>GWP</b>	<b>SGG content (kg)</b>	<b>Levy rate (excl GST) (\$)</b>
Refrigerated ships (other than tankers) containing HFC-134a	8901.30.01 10E	Per kg of specified SGG contained in item	HFC-134a	1300.00	Actual amount	87.92
	8901.30.09 10F					87.92
Refrigerated ships (other than tankers) containing R404A	8901.30.01 15F	Per kg of specified SGG contained in item	R404A	3940.00	Actual amount	266.46
	8901.30.09 15G					266.46
Refrigerated ships (other than tankers) containing R407F	8901.30.01 16D	Per kg of specified SGG contained in item	R407F	1674.10	Actual amount	113.22
	8901.30.09 16E					113.22
Refrigerated ships (other than tankers) containing R448A or R449A	8901.30.01 18L	Per kg of specified SGG contained in item	R448A or R449A	1273.49	Actual amount	86.13
	8901.30.09 18A					86.13
Trawlers and other fishing vessels containing HFC-134a	8902.00.01 10B	Per kg of specified SGG contained in item	HFC-134a	1300.00	Actual amount	87.92
	8902.00.09 10C					87.92
	8902.00.09 38C					87.92
	8902.00.19 10J					87.92
Trawlers and other fishing vessels containing R404A	8902.00.01 13G	Per kg of specified SGG contained in item	R404A	3940.00	Actual amount	266.46
	8902.00.09 15D					266.46
	8902.00.09 40E					266.46
	8902.00.19 13C					266.46
Trawlers and other fishing vessels containing R407F	8902.00.01 16A	Per kg of specified SGG contained in item	R407F	1674.10	Actual amount	113.22
	8902.00.09 18J					113.22
	8902.00.09 42A					113.22
	8902.00.19 16H					113.22
Trawlers and other fishing vessels containing R448A or R449A	8902.00.01 17K	Per kg of specified SGG contained in item	R448A or R449A	1273.49	Actual amount	86.13
	8902.00.09 20L					86.13
	8902.00.09 44H					86.13
	8902.00.19 18D					86.13

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<b>Class of leviable goods</b>	<b>Tariff item</b>	<b>Unit of measurement</b>	<b>Specified SGG</b>	<b>GWP</b>	<b>SGG content (kg)</b>	<b>Levy rate (excl GST) (\$)</b>	
Factory ships and other ships used for processing or preserving fishery products, containing HFC-134a	8902.00.01 34K	Per kg of specified SGG contained in item	HFC-134a	1300.00	Actual amount	87.92	
	8902.00.09 58H					87.92	
	8902.00.19 34F					87.92	
	8902.00.01 36F	Per kg of specified SGG contained in item	R404A	3940.00	Actual amount	266.46	
	8902.00.09 60K					266.46	
	8902.00.19 36B					266.46	
	8902.00.01 38B	Per kg of specified SGG contained in item	R407F	1674.10	Actual amount	113.22	
	8902.00.09 62F					113.22	
	8902.00.19 38J					113.22	
	8902.00.01 40D	Per kg of specified SGG contained in item	R448A or R449A	1273.49	Actual amount	86.13	
Factory ships and other ships used for processing or preserving fishery products, containing R448A or R449A	8902.00.09 64B					86.13	
	8902.00.19 40L					86.13	
	19 <i>Polyurethanes</i>	3909.50.09 10A	Per kg of item	HFC-245fa	858.00	Actual amount	58.03
		3909.50.09 20J	per kg of item	49% HFC-245fa and 51% HFC-365mfc	830.46	Actual amount	56.16
	Polyurethanes containing 49% HFC-245fa and 51% HFC-365mfc	3909.50.09 40C	per kg of item	13% HFC-227ea and 87% HFC-365mfc	1134.98	Actual amount	76.76
		8424.10.00 10J	Per kg of specified SGG contained in item	HFC-227ea	3350.00	Actual amount	226.56
	20 <i>Fire extinguishers</i>	8424.10.00 10J	Per kg of specified SGG contained in item	HFC-227ea	3350.00	Actual amount	226.56
		8424.10.00 10J	Per kg of specified SGG contained in item	HFC-227ea	3350.00	Actual amount	226.56

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<b>Class of leviable goods</b>	<b>Tariff item</b>	<b>Unit of measurement</b>	<b>Specified SGG</b>	<b>GWP</b>	<b>SGG content (kg)</b>	<b>Levy rate (excl GST) (\$)</b>
21 <i>Industrial ink-jet printing machines</i> Industrial ink-jet printing machines containing HFC-134a that are covered by the Information Technology Agreement of the World Trade Organization, as expanded by the Ministerial Declaration on the Expansion of Trade in Information Technology Products agreed in Nairobi on 16 December 2015 ( <b>ITA 2</b> )	8443.32.10 10C	Per kg of specified SGG contained in item	HFC-134A	1300.00	Actual amount	87.92
Industrial ink-jet printing machines containing HFC-134a (other than those covered by ITA 2)	8443.32.10 10G	Per kg of specified SGG contained in item	HFC-134A	1300.00	Actual amount	87.92

Rachel Hayward,  
Acting Clerk of the Executive Council.

## Explanatory note

*This note is not part of the regulations, but is intended to indicate their general effect.*

These regulations make changes to 7 sets of regulations made under the Climate Change Response Act 2002 (the **Act**) to update and support the implementation and operation of the New Zealand emissions trading scheme and the synthetic greenhouse gas levy.

These regulations (apart from *Part 4*) come into force on 1 January 2023 (the Act requires that regulations come into force at least 3 months after the date of their publication). *Part 4*, other than *regulation 25*, comes into force on 1 February 2023. This will allow applications for the use of unique emissions factors to be made until 31 January 2023.

*Part 1 (regulations 3 to 7)* amends the Climate Change (Unit Register) Regulations 2008. The amendments revoke regulations 11D and 11E of those regulations, which relate to the conversion of New Zealand units into New Zealand assigned amount units and are no longer operative.

*Part 2 (regulations 8 to 10)* amends the Climate Change (Other Removal Activities) Regulations 2009. The amendments—

- revoke regulation 22 of those regulations, which prescribes eligibility criteria for registering as a participant in relation to hydrofluorocarbon and perfluorocarbon removal activity; and
- update the global warming potential figures in the tables in Schedule 1 of those regulations.

*Part 3 (regulations 11 to 17)* amends the Climate Change (Stationary Energy and Industrial Processes) Regulations 2009. The amendments—

- update the variables relating to global warming potential for methane and nitrous oxide in regulations 17, 24, 25, and 35 of those regulations; and
- update the default emissions factors in tables 1 to 7 and 10 of Schedule 2 of those regulations, which relate to coal and various gases; and
- update the global warming potential figures for the tables in Schedule 2A of those regulations, which relate to synthetic greenhouse gases.

*Part 4 (regulations 18 to 25)* amends the Climate Change (Unique Emissions Factors) Regulations 2009. The amendments—

- update the variables relating to global warming potential for methane and nitrous oxide in regulations 12, 16, 17, and 23 of those regulations; and

- update the figures for unique emissions factors used in the formula in regulation 23B(c) of those regulations; and
- update the emissions factors in tables 1 and 4 in Schedule 1 of those regulations; and
- update the emissions factors for waste in the table in Schedule 3 of those regulations.

*Part 5 (regulations 26 to 31)* amends the Climate Change (Synthetic Greenhouse Gas Levies) Regulations 2013. The amendments—

- update regulation 10 of those regulations, which specifies the price of carbon, to specify the price for the 2023 levy year, and update regulation 11 of those regulations to refer to the 2023 levy year; and
- update Schedule 1 of those regulations, which prescribes levy rates for leviable motor vehicles, to prescribe new levy rates; and
- update Schedule 2 of those regulations, which prescribes levy rates for leviable goods to prescribe new levy rates and add new items.

*Part 6 (regulations 32 and 33)* amends the Climate Change (Liquid Fossil Fuels) Regulations 2008. The amendments update the emissions factors set out in the Schedule of those regulations, which relate to obligation fuels.

*Part 7 (regulations 34 and 35)* amends the Climate Change (Waste) Regulations 2010. The amendment updates the default emissions factor prescribed in item C of the formula in regulation 5(1)(a) of those regulations.

### **Regulatory impact statement**

The Ministry for the Environment produced regulatory impact statements on 9 June 2022 and 28 July 2022 to help inform the decisions taken by the Government relating to the contents of this instrument.

Copies of these regulatory impact statements can be found at—

- <https://environment.govt.nz/what-government-is-doing/cabinet-papers-and-regulatory-impact-statements>
- <https://treasury.govt.nz/publications/informationreleases/ris>

Issued under the authority of the Legislation Act 2019.

Date of notification in *Gazette*: 29 September 2022.

These regulations are administered by the Ministry for the Environment.