



Australian Government  
Jobs and Skills Australia

## Clean Energy Capacity Study - Industry and Occupation Workforce Mapping

The Australian Government commissioned Jobs and Skills Australia (JSA) to undertake a capacity study on the workforce needs for Australia's transition to a clean energy economy. The capacity study deepened our understanding of the clean energy sector by:

- clarifying what jobs and industries make up Australia's clean energy workforce
- analysing different scenarios for how we could reach net zero by 2050, understanding how many workers will be needed (and where) and who will have the skills to take on those jobs
- exploring how the workforce opportunities created by clean energy can be shared across regions and with First Nations Australians, women, people with disability and Australians from culturally and linguistically diverse backgrounds
- examining the possibilities for workers in emission intensive sectors to transition to new roles in their communities that will build on their existing skills and experience
- identifying the education, training and migration pathways that we should be developing, and the underlying system settings needed to enable those pathways.

This document maps the industry and occupations to the clean energy sub-segments developed for this study using census data and the Australian and New Zealand Standard Classification of Occupations (ANZSCO) 4-digit (Unit Group) and the Australian and New Zealand Standard Industrial Classification 4-digit (Class). More information about this mapping process is available in the full report published on JSA's website.

Data Source: Australian Bureau of Statistics (ABS) Census of Population and Housing, 2021

**Table 1: Top-level industry mapping category**

Category	Description
A	Clean Energy Supply
B	Clean Energy Demand
C	Clean Energy Enabling
D	Trasitioning
E	Emissions-intensive sectors
F	All other industry groups
G	Carbon lifecycle

**Table 2: Sub-level industry mapping category**

Category	Description
A1	Generation
A2	Distribution
B1	Energy Usage
B2	Energy Performance
B3	Transport
C1	Education, Training, Research & Technology
C2	Finance, legal, business
C3	Engineering, Procurement & Construction
C4	Regulatory
C5	Supply Chain
C6	Vehicle & Equipment Production & Trade
E1	Direct emissions-intensive
E2	Indirect emissions-intensive

Table 3: Industry mapping by clean energy sub-segment

ANZSIC Division ID	ANZSIC Division Name	ANZSIC Subdivision ID	ANZSIC Subdivision name	ANZSIC Group ID
A	Agriculture, Forestry and Fishing	1	Agriculture	11
A	Agriculture, Forestry and Fishing	1	Agriculture	11
A	Agriculture, Forestry and Fishing	1	Agriculture	11
A	Agriculture, Forestry and Fishing	1	Agriculture	11
A	Agriculture, Forestry and Fishing	1	Agriculture	11
A	Agriculture, Forestry and Fishing	1	Agriculture	12
A	Agriculture, Forestry and Fishing	1	Agriculture	12
A	Agriculture, Forestry and Fishing	1	Agriculture	12
A	Agriculture, Forestry and Fishing	1	Agriculture	13
A	Agriculture, Forestry and Fishing	1	Agriculture	13
A	Agriculture, Forestry and Fishing	1	Agriculture	13
A	Agriculture, Forestry and Fishing	1	Agriculture	13
A	Agriculture, Forestry and Fishing	1	Agriculture	13
A	Agriculture, Forestry and Fishing	1	Agriculture	13
A	Agriculture, Forestry and Fishing	1	Agriculture	13
A	Agriculture, Forestry and Fishing	1	Agriculture	14
A	Agriculture, Forestry and Fishing	1	Agriculture	14
A	Agriculture, Forestry and Fishing	1	Agriculture	14
A	Agriculture, Forestry and Fishing	1	Agriculture	14
A	Agriculture, Forestry and Fishing	1	Agriculture	14
A	Agriculture, Forestry and Fishing	1	Agriculture	14
A	Agriculture, Forestry and Fishing	1	Agriculture	15
A	Agriculture, Forestry and Fishing	1	Agriculture	15
A	Agriculture, Forestry and Fishing	1	Agriculture	16
A	Agriculture, Forestry and Fishing	1	Agriculture	17
A	Agriculture, Forestry and Fishing	1	Agriculture	17
A	Agriculture, Forestry and Fishing	1	Agriculture	18
A	Agriculture, Forestry and Fishing	1	Agriculture	19
A	Agriculture, Forestry and Fishing	1	Agriculture	19
A	Agriculture, Forestry and Fishing	2	Aquaculture	20
A	Agriculture, Forestry and Fishing	2	Aquaculture	20
A	Agriculture, Forestry and Fishing	2	Aquaculture	20
A	Agriculture, Forestry and Fishing	3	Forestry and Logging	30
A	Agriculture, Forestry and Fishing	3	Forestry and Logging	30
A	Agriculture, Forestry and Fishing	4	Fishing, Hunting and Trapping	41
A	Agriculture, Forestry and Fishing	4	Fishing, Hunting and Trapping	41
A	Agriculture, Forestry and Fishing	4	Fishing, Hunting and Trapping	41
A	Agriculture, Forestry and Fishing	4	Fishing, Hunting and Trapping	41
A	Agriculture, Forestry and Fishing	4	Fishing, Hunting and Trapping	41
A	Agriculture, Forestry and Fishing	4	Fishing, Hunting and Trapping	42
A	Agriculture, Forestry and Fishing	5	Agriculture, Forestry and Fishing Support Services	51
A	Agriculture, Forestry and Fishing	5	Agriculture, Forestry and Fishing Support Services	52
A	Agriculture, Forestry and Fishing	5	Agriculture, Forestry and Fishing Support Services	52
A	Agriculture, Forestry and Fishing	5	Agriculture, Forestry and Fishing Support Services	52
B	Mining	6	Coal Mining	60
B	Mining	7	Oil and Gas Extraction	70
B	Mining	8	Metal Ore Mining	80
B	Mining	8	Metal Ore Mining	80
B	Mining	8	Metal Ore Mining	80
B	Mining	8	Metal Ore Mining	80
B	Mining	8	Metal Ore Mining	80
B	Mining	8	Metal Ore Mining	80
B	Mining	8	Metal Ore Mining	80
B	Mining	9	Non-Metallic Mineral Mining and Quarrying	91
B	Mining	9	Non-Metallic Mineral Mining and Quarrying	91
B	Mining	9	Non-Metallic Mineral Mining and Quarrying	99
B	Mining	10	Exploration and Other Mining Support Services	101
B	Mining	10	Exploration and Other Mining Support Services	101
B	Mining	10	Exploration and Other Mining Support Services	109
C	Manufacturing	11	Food Product Manufacturing	111
C	Manufacturing	11	Food Product Manufacturing	111
C	Manufacturing	11	Food Product Manufacturing	111
C	Manufacturing	11	Food Product Manufacturing	112
C	Manufacturing	11	Food Product Manufacturing	113
C	Manufacturing	11	Food Product Manufacturing	113
C	Manufacturing	11	Food Product Manufacturing	113
C	Manufacturing	11	Food Product Manufacturing	114
C	Manufacturing	11	Food Product Manufacturing	115
C	Manufacturing	11	Food Product Manufacturing	116
C	Manufacturing	11	Food Product Manufacturing	116
C	Manufacturing	11	Food Product Manufacturing	117
C	Manufacturing	11	Food Product Manufacturing	117
C	Manufacturing	11	Food Product Manufacturing	117
C	Manufacturing	11	Food Product Manufacturing	118
C	Manufacturing	11	Food Product Manufacturing	118

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F	Wholesale Trade	34	Machinery and Equipment Wholesaling	341
F	Wholesale Trade	34	Machinery and Equipment Wholesaling	341
F	Wholesale Trade	34	Machinery and Equipment Wholesaling	349
F	Wholesale Trade	34	Machinery and Equipment Wholesaling	349
F	Wholesale Trade	34	Machinery and Equipment Wholesaling	349
F	Wholesale Trade	34	Machinery and Equipment Wholesaling	349
F	Wholesale Trade	35	Motor Vehicle and Motor Vehicle Parts Wholesaling	350
F	Wholesale Trade	35	Motor Vehicle and Motor Vehicle Parts Wholesaling	350
F	Wholesale Trade	35	Motor Vehicle and Motor Vehicle Parts Wholesaling	350
F	Wholesale Trade	35	Motor Vehicle and Motor Vehicle Parts Wholesaling	350
F	Wholesale Trade	36	Grocery, Liquor and Tobacco Product Wholesaling	360
F	Wholesale Trade	36	Grocery, Liquor and Tobacco Product Wholesaling	360
F	Wholesale Trade	36	Grocery, Liquor and Tobacco Product Wholesaling	360
F	Wholesale Trade	36	Grocery, Liquor and Tobacco Product Wholesaling	360
F	Wholesale Trade	36	Grocery, Liquor and Tobacco Product Wholesaling	360
F	Wholesale Trade	36	Grocery, Liquor and Tobacco Product Wholesaling	360
F	Wholesale Trade	36	Grocery, Liquor and Tobacco Product Wholesaling	360
F	Wholesale Trade	37	Other Goods Wholesaling	371
F	Wholesale Trade	37	Other Goods Wholesaling	371
F	Wholesale Trade	37	Other Goods Wholesaling	372
F	Wholesale Trade	37	Other Goods Wholesaling	373
F	Wholesale Trade	37	Other Goods Wholesaling	373
F	Wholesale Trade	37	Other Goods Wholesaling	373
F	Wholesale Trade	37	Other Goods Wholesaling	373
F	Wholesale Trade	38	Commission-Based Wholesaling	380
G	Retail Trade	39	Motor Vehicle and Motor Vehicle Parts Retailing	391
G	Retail Trade	39	Motor Vehicle and Motor Vehicle Parts Retailing	391
G	Retail Trade	39	Motor Vehicle and Motor Vehicle Parts Retailing	391
G	Retail Trade	39	Motor Vehicle and Motor Vehicle Parts Retailing	392
G	Retail Trade	39	Motor Vehicle and Motor Vehicle Parts Retailing	392
G	Retail Trade	40	Fuel Retailing	400
G	Retail Trade	41	Food Retailing	411
G	Retail Trade	41	Food Retailing	412
G	Retail Trade	41	Food Retailing	412
G	Retail Trade	41	Food Retailing	412
G	Retail Trade	41	Food Retailing	412
G	Retail Trade	42	Other Store-Based Retailing	421
G	Retail Trade	42	Other Store-Based Retailing	421
G	Retail Trade	42	Other Store-Based Retailing	421
G	Retail Trade	42	Other Store-Based Retailing	421
G	Retail Trade	42	Other Store-Based Retailing	422
G	Retail Trade	42	Other Store-Based Retailing	422
G	Retail Trade	42	Other Store-Based Retailing	422
G	Retail Trade	42	Other Store-Based Retailing	422
G	Retail Trade	42	Other Store-Based Retailing	423
G	Retail Trade	42	Other Store-Based Retailing	423
G	Retail Trade	42	Other Store-Based Retailing	424
G	Retail Trade	42	Other Store-Based Retailing	424
G	Retail Trade	42	Other Store-Based Retailing	424
G	Retail Trade	42	Other Store-Based Retailing	424
G	Retail Trade	42	Other Store-Based Retailing	424
G	Retail Trade	42	Other Store-Based Retailing	424
G	Retail Trade	42	Other Store-Based Retailing	425
G	Retail Trade	42	Other Store-Based Retailing	425
G	Retail Trade	42	Other Store-Based Retailing	425
G	Retail Trade	42	Other Store-Based Retailing	425
G	Retail Trade	42	Other Store-Based Retailing	426
G	Retail Trade	42	Other Store-Based Retailing	427
G	Retail Trade	42	Other Store-Based Retailing	427
G	Retail Trade	42	Other Store-Based Retailing	427
G	Retail Trade	42	Other Store-Based Retailing	427
G	Retail Trade	43	Non-Store Retailing and Retail Commission-Based Buying and/or Selling	431
G	Retail Trade	43	Non-Store Retailing and Retail Commission-Based Buying and/or Selling	432
H	Accommodation and Food Services	44	Accommodation	440
H	Accommodation and Food Services	45	Food and Beverage Services	451
H	Accommodation and Food Services	45	Food and Beverage Services	451
H	Accommodation and Food Services	45	Food and Beverage Services	451
H	Accommodation and Food Services	45	Food and Beverage Services	452
H	Accommodation and Food Services	45	Food and Beverage Services	453
I	Transport, Postal and Warehousing	46	Road Transport	461
I	Transport, Postal and Warehousing	46	Road Transport	462
I	Transport, Postal and Warehousing	46	Road Transport	462
I	Transport, Postal and Warehousing	46	Road Transport	462
I	Transport, Postal and Warehousing	47	Rail Transport	471
I	Transport, Postal and Warehousing	47	Rail Transport	472
I	Transport, Postal and Warehousing	48	Water Transport	481
I	Transport, Postal and Warehousing	48	Water Transport	482
I	Transport, Postal and Warehousing	49	Air and Space Transport	490
I	Transport, Postal and Warehousing	50	Other Transport	501
I	Transport, Postal and Warehousing	50	Other Transport	502
I	Transport, Postal and Warehousing	51	Postal and Courier Pick-up and Delivery Services	510

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O	Public Administration and Safety	75	Public Administration	751
O	Public Administration and Safety	75	Public Administration	752
O	Public Administration and Safety	75	Public Administration	753
O	Public Administration and Safety	75	Public Administration	754
O	Public Administration and Safety	75	Public Administration	755
O	Public Administration and Safety	75	Public Administration	755
O	Public Administration and Safety	76	Defence	760
O	Public Administration and Safety	77	Public Order, Safety and Regulatory Services	771
O	Public Administration and Safety	77	Public Order, Safety and Regulatory Services	771
O	Public Administration and Safety	77	Public Order, Safety and Regulatory Services	771
O	Public Administration and Safety	77	Public Order, Safety and Regulatory Services	771
O	Public Administration and Safety	77	Public Order, Safety and Regulatory Services	771
O	Public Administration and Safety	77	Public Order, Safety and Regulatory Services	772
P	Education and Training	80	Preschool and School Education	801
P	Education and Training	80	Preschool and School Education	802
P	Education and Training	80	Preschool and School Education	802
P	Education and Training	80	Preschool and School Education	802
P	Education and Training	80	Preschool and School Education	802
P	Education and Training	81	Tertiary Education	810
P	Education and Training	81	Tertiary Education	810
P	Education and Training	82	Adult, Community and Other Education	821
P	Education and Training	82	Adult, Community and Other Education	821
P	Education and Training	82	Adult, Community and Other Education	822
Q	Health Care and Social Assistance	84	Hospitals	840
Q	Health Care and Social Assistance	84	Hospitals	840
Q	Health Care and Social Assistance	85	Medical and Other Health Care Services	851
Q	Health Care and Social Assistance	85	Medical and Other Health Care Services	851
Q	Health Care and Social Assistance	85	Medical and Other Health Care Services	852
Q	Health Care and Social Assistance	85	Medical and Other Health Care Services	853
Q	Health Care and Social Assistance	85	Medical and Other Health Care Services	853
Q	Health Care and Social Assistance	85	Medical and Other Health Care Services	853
Q	Health Care and Social Assistance	85	Medical and Other Health Care Services	853
Q	Health Care and Social Assistance	85	Medical and Other Health Care Services	859
Q	Health Care and Social Assistance	86	Residential Care Services	860
Q	Health Care and Social Assistance	86	Residential Care Services	860
Q	Health Care and Social Assistance	87	Social Assistance Services	871
Q	Health Care and Social Assistance	87	Social Assistance Services	879
R	Arts and Recreation Services	89	Heritage Activities	891
R	Arts and Recreation Services	89	Heritage Activities	892
R	Arts and Recreation Services	89	Heritage Activities	892
R	Arts and Recreation Services	90	Creative and Performing Arts Activities	900
R	Arts and Recreation Services	90	Creative and Performing Arts Activities	900
R	Arts and Recreation Services	90	Creative and Performing Arts Activities	900
R	Arts and Recreation Services	91	Sports and Recreation Activities	911
R	Arts and Recreation Services	91	Sports and Recreation Activities	911
R	Arts and Recreation Services	91	Sports and Recreation Activities	911
R	Arts and Recreation Services	91	Sports and Recreation Activities	911
R	Arts and Recreation Services	91	Sports and Recreation Activities	912
R	Arts and Recreation Services	91	Sports and Recreation Activities	912
R	Arts and Recreation Services	91	Sports and Recreation Activities	913
R	Arts and Recreation Services	92	Gambling Activities	920
R	Arts and Recreation Services	92	Gambling Activities	920
R	Arts and Recreation Services	92	Gambling Activities	920
S	Other Services	94	Repair and Maintenance	941
S	Other Services	94	Repair and Maintenance	941
S	Other Services	94	Repair and Maintenance	941
S	Other Services	94	Repair and Maintenance	942
S	Other Services	94	Repair and Maintenance	942
S	Other Services	94	Repair and Maintenance	949
S	Other Services	95	Personal and Other Services	951
S	Other Services	95	Personal and Other Services	951
S	Other Services	95	Personal and Other Services	952
S	Other Services	95	Personal and Other Services	953
S	Other Services	95	Personal and Other Services	953
S	Other Services	95	Personal and Other Services	953
S	Other Services	95	Personal and Other Services	953
S	Other Services	95	Personal and Other Services	954
S	Other Services	95	Personal and Other Services	955
S	Other Services	95	Personal and Other Services	955
S	Other Services	96	Private Households Employing Staff and Undifferentiated Goods- and Service-Producing Activities of Households for Own Use	960



ANZSIC Group name	ANZSIC Class ID	ANZSIC Class description	Total employed people	Top-level industry mapping	Sub-level industry mapping
Nursery and Floriculture Production	0111	Nursery Production (Under Cover)	177	F	F
Nursery and Floriculture Production	0112	Nursery Production (Outdoors)	9,407	F	F
Nursery and Floriculture Production	0113	Turf Growing	1,036	F	F
Nursery and Floriculture Production	0114	Floriculture Production (Under Cover)	-	F	F
Nursery and Floriculture Production	0115	Floriculture Production (Outdoors)	2,348	F	F
Mushroom and Vegetable Growing	0121	Mushroom Growing	2,471	F	F
Mushroom and Vegetable Growing	0122	Vegetable Growing (Under Cover)	1,263	F	F
Mushroom and Vegetable Growing	0123	Vegetable Growing (Outdoors)	16,054	F	F
Fruit and Tree Nut Growing	0131	Grape Growing	5,935	F	F
Fruit and Tree Nut Growing	0132	Kiwifruit Growing	55	F	F
Fruit and Tree Nut Growing	0133	Berry Fruit Growing	4,762	F	F
Fruit and Tree Nut Growing	0134	Apple and Pear Growing	1,391	F	F
Fruit and Tree Nut Growing	0135	Stone Fruit Growing	783	F	F
Fruit and Tree Nut Growing	0136	Citrus Fruit Growing	2,455	F	F
Fruit and Tree Nut Growing	0137	Olive Growing	449	F	F
Fruit and Tree Nut Growing	0139	Other Fruit and Tree Nut Growing	7,107	F	F
Sheep, Beef Cattle and Grain Farming	0141	Sheep Farming (Specialised)	18,143	F	F
Sheep, Beef Cattle and Grain Farming	0142	Beef Cattle Farming (Specialised)	43,947	F	F
Sheep, Beef Cattle and Grain Farming	0143	Beef Cattle Feedlots (Specialised)	1,042	F	F
Sheep, Beef Cattle and Grain Farming	0144	Sheep-Beef Cattle Farming	7,407	F	F
Sheep, Beef Cattle and Grain Farming	0145	Grain-Sheep or Grain-Beef Cattle Farming	18,150	F	F
Sheep, Beef Cattle and Grain Farming	0146	Rice Growing	-	F	F
Sheep, Beef Cattle and Grain Farming	0149	Other Grain Growing	18,816	F	F
Other Crop Growing	0151	Sugar Cane Growing	4,132	F	F
Other Crop Growing	0152	Cotton Growing	1,073	F	F
Dairy Cattle Farming	0160	Dairy Cattle Farming	17,264	F	F
Poultry Farming	0171	Poultry Farming (Meat)	2,054	F	F
Poultry Farming	0172	Poultry Farming (Eggs)	3,816	F	F
Deer Farming	0180	Deer Farming	23	F	F
Other Livestock Farming	0191	Horse Farming	3,637	F	F
Other Livestock Farming	0192	Pig Farming	2,023	F	F
Other Livestock Farming	0193	Beekeeping	1,602	F	F
Aquaculture	0201	Offshore Longline and Rack Aquaculture	2,133	F	F
Aquaculture	0202	Offshore Caged Aquaculture	1,206	F	F
Aquaculture	0203	Onshore Aquaculture	860	F	F
Forestry and Logging	0301	Forestry	3,754	G	G
Forestry and Logging	0302	Logging	2,583	G	G
Fishing	0411	Rock Lobster and Crab Potting	961	F	F
Fishing	0412	Prawn Fishing	319	F	F
Fishing	0413	Line Fishing	34	F	F
Fishing	0414	Fish Trawling, Seining and Netting	44	F	F
Fishing	0419	Other Fishing	386	F	F
Hunting and Trapping	0420	Hunting and Trapping	279	F	F
Forestry Support Services	0510	Forestry Support Services	3,300	G	G
Agriculture and Fishing Support Services	0521	Cotton Ginning	394	F	F
Agriculture and Fishing Support Services	0522	Shearing Services	2,540	F	F
Agriculture and Fishing Support Services	0529	Other Agriculture and Fishing Support Services	14,887	F	F
Coal Mining	0600	Coal Mining	48,838	D	D
Oil and Gas Extraction	0700	Oil and Gas Extraction	18,212	D	D
Metal Ore Mining	0801	Iron Ore Mining	41,970	C	C5
Metal Ore Mining	0802	Bauxite Mining	2,922	C	C5
Metal Ore Mining	0803	Copper Ore Mining	8,723	C	C5
Metal Ore Mining	0804	Gold Ore Mining	25,547	C	C5
Metal Ore Mining	0805	Mineral Sand Mining	3,592	C	C5
Metal Ore Mining	0806	Nickel Ore Mining	1,954	C	C5
Metal Ore Mining	0807	Silver-Lead-Zinc Ore Mining	4,577	C	C5
Metal Ore Mining	0809	Other Metal Ore Mining	3,385	C	C5
Construction Material Mining	0911	Gravel and Sand Quarrying	1,668	E	E2
Construction Material Mining	0919	Other Construction Material Mining	4,991	E	E2
Other Non-Metallic Mineral Mining and Quarrying	0990	Other Non-Metallic Mineral Mining and Quarrying	3,349	C	C5
Exploration	1011	Petroleum Exploration	1,094	D	D
Exploration	1012	Mineral Exploration	7,900	C	C5
Other Mining Support Services	1090	Other Mining Support Services	15,459	C	C5
Meat and Meat Product Manufacturing	1111	Meat Processing	33,323	E	E2
Meat and Meat Product Manufacturing	1112	Poultry Processing	14,432	E	E2
Meat and Meat Product Manufacturing	1113	Cured Meat and Smallgoods Manufacturing	5,040	E	E2
Seafood Processing	1120	Seafood Processing	1,534	E	E2
Dairy Product Manufacturing	1131	Milk and Cream Processing	3,607	E	E2
Dairy Product Manufacturing	1132	Ice Cream Manufacturing	1,677	E	E2
Dairy Product Manufacturing	1133	Cheese and Other Dairy Product Manufacturing	11,550	E	E2
Fruit and Vegetable Processing	1140	Fruit and Vegetable Processing	8,655	E	E2
Oil and Fat Manufacturing	1150	Oil and Fat Manufacturing	1,058	E	E2
Grain Mill and Cereal Product Manufacturing	1161	Grain Mill Product Manufacturing	2,772	E	E2
Grain Mill and Cereal Product Manufacturing	1162	Cereal, Pasta and Baking Mix Manufacturing	4,222	E	E2
Bakery Product Manufacturing	1171	Bread Manufacturing (Factory based)	25,422	E	E2
Bakery Product Manufacturing	1172	Cake and Pastry Manufacturing (Factory based)	6,824	E	E2
Bakery Product Manufacturing	1173	Biscuit Manufacturing (Factory based)	2,875	E	E2
Bakery Product Manufacturing	1174	Bakery Product Manufacturing (Non-factory based)	15,460	E	E2
Sugar and Confectionery Manufacturing	1181	Sugar Manufacturing	4,300	E	E2
Sugar and Confectionery Manufacturing	1182	Confectionery Manufacturing	8,246	E	E2

Other Food Product Manufacturing	1191	Potato, Corn and Other Crisp Manufacturing	1,551	E	E2
Other Food Product Manufacturing	1192	Prepared Animal and Bird Feed Manufacturing	4,595	E	E2
Beverage Manufacturing	1211	Soft Drink, Cordial and Syrup Manufacturing	7,174	E	E2
Beverage Manufacturing	1212	Beer Manufacturing	6,376	E	E2
Beverage Manufacturing	1213	Spirit Manufacturing	765	E	E2
Beverage Manufacturing	1214	Wine and Other Alcoholic Beverage Manufacturing	16,429	E	E2
Cigarette and Tobacco Product Manufacturing	1220	Cigarette and Tobacco Product Manufacturing	6	E	E2
Textile Manufacturing	1311	Wool Scouring	86	E	E2
Textile Manufacturing	1312	Natural Textile Manufacturing	134	E	E2
Textile Manufacturing	1313	Synthetic Textile Manufacturing	471	E	E2
Leather Tanning, Fur Dressing and Leather Product Manufacturing	1320	Leather Tanning, Fur Dressing and Leather Product Manufacturing	994	E	E2
Textile Product Manufacturing	1331	Textile Floor Covering Manufacturing	1,285	E	E2
Textile Product Manufacturing	1332	Rope, Cordage and Twine Manufacturing	78	E	E2
Textile Product Manufacturing	1333	Cut and Sewn Textile Product Manufacturing	4,404	E	E2
Textile Product Manufacturing	1334	Textile Finishing and Other Textile Product Manufacturing	1,088	E	E2
Knitted Product Manufacturing	1340	Knitted Product Manufacturing	242	E	E2
Clothing and Footwear Manufacturing	1351	Clothing Manufacturing	9,405	E	E2
Clothing and Footwear Manufacturing	1352	Footwear Manufacturing	1,196	E	E2
Log Sawmilling and Timber Dressing	1411	Log Sawmilling	4,929	E	E2
Log Sawmilling and Timber Dressing	1412	Wood Chipping	360	E	E2
Log Sawmilling and Timber Dressing	1413	Timber Resawing and Dressing	759	E	E2
Other Wood Product Manufacturing	1491	Prefabricated Wooden Building Manufacturing	36	E	E2
Other Wood Product Manufacturing	1492	Wooden Structural Fitting and Component Manufacturing	14,084	E	E2
Other Wood Product Manufacturing	1493	Veneer and Plywood Manufacturing	507	E	E2
Other Wood Product Manufacturing	1494	Reconstituted Wood Product Manufacturing	1,388	E	E2
Pulp, Paper and Paperboard Manufacturing	1510	Pulp, Paper and Paperboard Manufacturing	2,010	E	E2
Converted Paper Product Manufacturing	1521	Corrugated Paperboard and Paperboard Container Manufacturing	4,737	E	E2
Converted Paper Product Manufacturing	1522	Paper Bag Manufacturing	448	E	E2
Converted Paper Product Manufacturing	1523	Paper Stationery Manufacturing	2,520	E	E2
Converted Paper Product Manufacturing	1524	Sanitary Paper Product Manufacturing	1,453	E	E2
Converted Paper Product Manufacturing	1529	Other Converted Paper Product Manufacturing	1,311	E	E2
Printing and Printing Support Services	1611	Printing	21,991	E	E2
Printing and Printing Support Services	1612	Printing Support Services	1,986	E	E2
Reproduction of Recorded Media	1620	Reproduction of Recorded Media	442	E	E2
Petroleum and Coal Product Manufacturing	1701	Petroleum Refining and Petroleum Fuel Manufacturing	1,430	D	D
Petroleum and Coal Product Manufacturing	1709	Other Petroleum and Coal Product Manufacturing	887	D	D
Basic Chemical Manufacturing	1811	Industrial Gas Manufacturing	1,802	B	B1
Basic Chemical Manufacturing	1812	Basic Organic Chemical Manufacturing	474	E	E1
Basic Chemical Manufacturing	1813	Basic Inorganic Chemical Manufacturing	1,448	E	E1
Basic Polymer Manufacturing	1821	Synthetic Resin and Synthetic Rubber Manufacturing	2,366	E	E1
Basic Polymer Manufacturing	1829	Other Basic Polymer Manufacturing	259	E	E1
Fertiliser and Pesticide Manufacturing	1831	Fertiliser Manufacturing	2,878	E	E1
Fertiliser and Pesticide Manufacturing	1832	Pesticide Manufacturing	867	E	E1
Pharmaceutical and Medicinal Product Manufacturing	1841	Human Pharmaceutical and Medicinal Product Manufacturing	15,077	E	E1
Pharmaceutical and Medicinal Product Manufacturing	1842	Veterinary Pharmaceutical and Medicinal Product Manufacturing	500	E	E1
Cleaning Compound and Toiletry Preparation Manufacturing	1851	Cleaning Compound Manufacturing	3,378	E	E1
Cleaning Compound and Toiletry Preparation Manufacturing	1852	Cosmetic and Toiletry Preparation Manufacturing	3,059	E	E1
Other Basic Chemical Product Manufacturing	1891	Photographic Chemical Product Manufacturing	-	E	E1
Other Basic Chemical Product Manufacturing	1892	Explosive Manufacturing	2,728	E	E1
Polymer Product Manufacturing	1911	Polymer Film and Sheet Packaging Material Manufacturing	2,653	E	E2
Polymer Product Manufacturing	1912	Rigid and Semi-Rigid Polymer Product Manufacturing	7,189	E	E2
Polymer Product Manufacturing	1913	Polymer Foam Product Manufacturing	650	E	E2
Polymer Product Manufacturing	1914	Tyre Manufacturing	1,784	E	E2
Polymer Product Manufacturing	1915	Adhesive Manufacturing	1,189	E	E2
Polymer Product Manufacturing	1916	Paint and Coatings Manufacturing	5,143	E	E2
Polymer Product Manufacturing	1919	Other Polymer Product Manufacturing	1,692	E	E2
Natural Rubber Product Manufacturing	1920	Natural Rubber Product Manufacturing	618	E	E2
Glass and Glass Product Manufacturing	2010	Glass and Glass Product Manufacturing	6,476	B	B2
Ceramic Product Manufacturing	2021	Clay Brick Manufacturing	1,233	E	E1
Ceramic Product Manufacturing	2029	Other Ceramic Product Manufacturing	771	E	E1
Cement, Lime, Plaster and Concrete Product Manufacturing	2031	Cement and Lime Manufacturing	2,881	E	E1
Cement, Lime, Plaster and Concrete Product Manufacturing	2032	Plaster Product Manufacturing	1,194	E	E1
Cement, Lime, Plaster and Concrete Product Manufacturing	2033	Ready-Mixed Concrete Manufacturing	6,762	E	E1
Cement, Lime, Plaster and Concrete Product Manufacturing	2034	Concrete Product Manufacturing	3,038	E	E1
Other Non-Metallic Mineral Product Manufacturing	2090	Other Non-Metallic Mineral Product Manufacturing	6,309	C	C5
Basic Ferrous Metal Manufacturing	2110	Iron Smelting and Steel Manufacturing	23,345	C	C5
Basic Ferrous Metal Product Manufacturing	2121	Iron and Steel Casting	1,587	C	C5
Basic Ferrous Metal Product Manufacturing	2122	Steel Pipe and Tube Manufacturing	555	C	C5
Basic Non-Ferrous Metal Manufacturing	2131	Alumina Production	5,274	E	E1
Basic Non-Ferrous Metal Manufacturing	2132	Aluminium Smelting	4,757	E	E1
Basic Non-Ferrous Metal Manufacturing	2133	Copper, Silver, Lead and Zinc Smelting and Refining	1,633	E	E1
Basic Non-Ferrous Metal Manufacturing	2139	Other Basic Non-Ferrous Metal Manufacturing	1,586	E	E1
Basic Non-Ferrous Metal Product Manufacturing	2141	Non-Ferrous Metal Casting	163	C	C5
Basic Non-Ferrous Metal Product Manufacturing	2142	Aluminium Rolling, Drawing, Extruding	1,902	C	C5
Basic Non-Ferrous Metal Product Manufacturing	2149	Other Basic Non-Ferrous Metal Product Manufacturing	3,485	C	C5
Iron and Steel Forging	2210	Iron and Steel Forging	137	C	C5
Structural Metal Product Manufacturing	2221	Structural Steel Fabricating	7,203	C	C3
Structural Metal Product Manufacturing	2222	Prefabricated Metal Building Manufacturing	1,536	F	F
Structural Metal Product Manufacturing	2223	Architectural Aluminium Product Manufacturing	7,703	E	E2
Structural Metal Product Manufacturing	2224	Metal Roof and Guttering Manufacturing (except Aluminium)	1,257	F	F
Structural Metal Product Manufacturing	2229	Other Structural Metal Product Manufacturing	4,805	C	C5
Metal Container Manufacturing	2231	Boiler, Tank and Other Heavy Gauge Metal Container Manufacturing	1,748	F	F

Metal Container Manufacturing	2239	Other Metal Container Manufacturing	1,544	F	F
Sheet Metal Product Manufacturing (except Metal Structural and Container Products)	2240	Sheet Metal Product Manufacturing (except Metal Structural and Container Products)	2,689	C	C5
Other Fabricated Metal Product Manufacturing	2291	Spring and Wire Product Manufacturing	1,984	F	F
Other Fabricated Metal Product Manufacturing	2292	Nut, Bolt, Screw and Rivet Manufacturing	621	F	F
Other Fabricated Metal Product Manufacturing	2293	Metal Coating and Finishing	3,653	F	F
Motor Vehicle and Motor Vehicle Part Manufacturing	2311	Motor Vehicle Manufacturing	7,937	C	C6
Motor Vehicle and Motor Vehicle Part Manufacturing	2312	Motor Vehicle Body and Trailer Manufacturing	12,885	C	C6
Motor Vehicle and Motor Vehicle Part Manufacturing	2313	Automotive Electrical Component Manufacturing	523	C	C6
Motor Vehicle and Motor Vehicle Part Manufacturing	2319	Other Motor Vehicle Parts Manufacturing	8,747	C	C6
Other Transport Equipment Manufacturing	2391	Shipbuilding and Repair Services	10,305	C	C6
Other Transport Equipment Manufacturing	2392	Boatbuilding and Repair Services	6,021	C	C6
Other Transport Equipment Manufacturing	2393	Railway Rolling Stock Manufacturing and Repair Services	4,684	C	C6
Other Transport Equipment Manufacturing	2394	Aircraft Manufacturing and Repair Services	7,238	C	C6
Professional and Scientific Equipment Manufacturing	2411	Photographic, Optical and Ophthalmic Equipment Manufacturing	750	F	F
Professional and Scientific Equipment Manufacturing	2412	Medical and Surgical Equipment Manufacturing	9,874	F	F
Professional and Scientific Equipment Manufacturing	2419	Other Professional and Scientific Equipment Manufacturing	1,912	F	F
Computer and Electronic Equipment Manufacturing	2421	Computer and Electronic Office Equipment Manufacturing	1,089	F	F
Computer and Electronic Equipment Manufacturing	2422	Communication Equipment Manufacturing	2,854	F	F
Computer and Electronic Equipment Manufacturing	2429	Other Electronic Equipment Manufacturing	3,573	C	C5
Electrical Equipment Manufacturing	2431	Electric Cable and Wire Manufacturing	1,548	C	C5
Electrical Equipment Manufacturing	2432	Electric Lighting Equipment Manufacturing	2,205	C	C5
Electrical Equipment Manufacturing	2439	Other Electrical Equipment Manufacturing	6,338	C	C5
Domestic Appliance Manufacturing	2441	Whiteware Appliance Manufacturing	1,280	C	C6
Domestic Appliance Manufacturing	2449	Other Domestic Appliance Manufacturing	2,099	C	C6
Pump, Compressor, Heating and Ventilation Equipment Manufacturing	2451	Pump and Compressor Manufacturing	2,435	C	C5
Pump, Compressor, Heating and Ventilation Equipment Manufacturing	2452	Fixed Space Heating, Cooling and Ventilation Equipment Manufacturing	2,107	C	C5
Specialised Machinery and Equipment Manufacturing	2461	Agricultural Machinery and Equipment Manufacturing	2,423	C	C6
Specialised Machinery and Equipment Manufacturing	2462	Mining and Construction Machinery Manufacturing	5,557	C	C6
Specialised Machinery and Equipment Manufacturing	2463	Machine Tool and Parts Manufacturing	1,379	F	F
Specialised Machinery and Equipment Manufacturing	2469	Other Specialised Machinery and Equipment Manufacturing	1,806	C	C6
Other Machinery and Equipment Manufacturing	2491	Lifting and Material Handling Equipment Manufacturing	3,453	C	C6
Furniture Manufacturing	2511	Wooden Furniture and Upholstered Seat Manufacturing	13,033	F	F
Furniture Manufacturing	2512	Metal Furniture Manufacturing	575	F	F
Furniture Manufacturing	2513	Mattress Manufacturing	1,232	F	F
Furniture Manufacturing	2519	Other Furniture Manufacturing	9,063	F	F
Other Manufacturing	2591	Jewellery and Silverware Manufacturing	3,318	F	F
Other Manufacturing	2592	Toy, Sporting and Recreational Product Manufacturing	1,900	F	F
Electricity Generation	2611	Fossil Fuel Electricity Generation	6,477	D	D
Electricity Generation	2612	Hydro-Electricity Generation	1,686	A	A1
Electricity Generation	2619	Other Electricity Generation	1,806	A	A1
Electricity Transmission	2620	Electricity Transmission	3,482	A	A2
Electricity Distribution	2630	Electricity Distribution	26,818	A	A2
On Selling Electricity and Electricity Market Operation	2640	On Selling Electricity and Electricity Market Operation	9,414	A	A2
Gas Supply	2700	Gas Supply	4,883	D	D
Water Supply, Sewerage and Drainage Services	2811	Water Supply	29,766	E	E2
Water Supply, Sewerage and Drainage Services	2812	Sewerage and Drainage Services	1,057	E	E2
Waste Collection Services	2911	Solid Waste Collection Services	12,535	G	G
Waste Collection Services	2919	Other Waste Collection Services	923	G	G
Waste Treatment, Disposal and Remediation Services	2921	Waste Treatment and Disposal Services	4,787	G	G
Waste Treatment, Disposal and Remediation Services	2922	Waste Remediation and Materials Recovery Services	8,276	G	G
Residential Building Construction	3011	House Construction	105,587	B	B2
Residential Building Construction	3019	Other Residential Building Construction	45,769	B	B2
Non-Residential Building Construction	3020	Non-Residential Building Construction	88,326	B	B2
Heavy and Civil Engineering Construction	3101	Road and Bridge Construction	38,365	F	F
Heavy and Civil Engineering Construction	3109	Other Heavy and Civil Engineering Construction	73,514	C	C3
Land Development and Site Preparation Services	3211	Land Development and Subdivision	5,266	F	F
Land Development and Site Preparation Services	3212	Site Preparation Services	39,482	F	F
Building Structure Services	3221	Concreting Services	39,816	F	F
Building Structure Services	3222	Bricklaying Services	15,226	F	F
Building Structure Services	3223	Roofing Services	17,715	F	F
Building Structure Services	3224	Structural Steel Erection Services	5,350	C	C3
Building Installation Services	3231	Plumbing Services	74,281	B	B2
Building Installation Services	3232	Electrical Services	110,737	B	B1
Building Installation Services	3233	Air Conditioning and Heating Services	18,127	B	B1
Building Installation Services	3234	Fire and Security Alarm Installation Services	11,390	F	F
Building Installation Services	3239	Other Building Installation Services	10,341	B	B2
Building Completion Services	3241	Plastering and Ceiling Services	21,275	F	F
Building Completion Services	3242	Carpentry Services	73,370	B	B2
Building Completion Services	3243	Tiling and Carpeting Services	23,071	B	B2
Building Completion Services	3244	Painting and Decorating Services	42,592	F	F
Building Completion Services	3245	Glazing Services	11,770	B	B2
Other Construction Services	3291	Landscape Construction Services	46,937	F	F
Other Construction Services	3292	Hire of Construction Machinery with Operator	4,236	F	F
Agricultural Product Wholesaling	3311	Wool Wholesaling	503	F	F
Agricultural Product Wholesaling	3312	Cereal Grain Wholesaling	1,407	F	F
Agricultural Product Wholesaling	3319	Other Agricultural Product Wholesaling	13,006	F	F
Mineral, Metal and Chemical Wholesaling	3321	Petroleum Product Wholesaling	6,875	D	D
Mineral, Metal and Chemical Wholesaling	3322	Metal and Mineral Wholesaling	8,450	C	C5
Mineral, Metal and Chemical Wholesaling	3323	Industrial and Agricultural Chemical Product Wholesaling	4,479	C	C5
Timber and Hardware Goods Wholesaling	3331	Timber Wholesaling	5,302	F	F
Timber and Hardware Goods Wholesaling	3332	Plumbing Goods Wholesaling	7,167	F	F
Timber and Hardware Goods Wholesaling	3339	Other Hardware Goods Wholesaling	23,746	F	F

Specialised Industrial Machinery and Equipment Wholesaling	3411	Agricultural and Construction Machinery Wholesaling	14,118	C	C6
Specialised Industrial Machinery and Equipment Wholesaling	3419	Other Specialised Industrial Machinery and Equipment Wholesaling	14,073	C	C6
Other Machinery and Equipment Wholesaling	3491	Professional and Scientific Goods Wholesaling	14,471	F	F
Other Machinery and Equipment Wholesaling	3492	Computer and Computer Peripheral Wholesaling	11,063	F	F
Other Machinery and Equipment Wholesaling	3493	Telecommunication Goods Wholesaling	3,800	F	F
Other Machinery and Equipment Wholesaling	3494	Other Electrical and Electronic Goods Wholesaling	21,642	C	C6
Motor Vehicle and Motor Vehicle Parts Wholesaling	3501	Car Wholesaling	7,254	C	C6
Motor Vehicle and Motor Vehicle Parts Wholesaling	3502	Commercial Vehicle Wholesaling	4,403	C	C6
Motor Vehicle and Motor Vehicle Parts Wholesaling	3503	Trailer and Other Motor Vehicle Wholesaling	519	C	C6
Motor Vehicle and Motor Vehicle Parts Wholesaling	3504	Motor Vehicle New Parts Wholesaling	11,933	C	C6
Motor Vehicle and Motor Vehicle Parts Wholesaling	3505	Motor Vehicle Dismantling and Used Parts Wholesaling	1,914	C	C6
Grocery, Liquor and Tobacco Product Wholesaling	3601	General Line Grocery Wholesaling	8,888	F	F
Grocery, Liquor and Tobacco Product Wholesaling	3602	Meat, Poultry and Smallgoods Wholesaling	4,643	F	F
Grocery, Liquor and Tobacco Product Wholesaling	3603	Dairy Produce Wholesaling	921	F	F
Grocery, Liquor and Tobacco Product Wholesaling	3604	Fish and Seafood Wholesaling	2,434	F	F
Grocery, Liquor and Tobacco Product Wholesaling	3605	Fruit and Vegetable Wholesaling	7,454	F	F
Grocery, Liquor and Tobacco Product Wholesaling	3606	Liquor and Tobacco Product Wholesaling	4,295	F	F
Grocery, Liquor and Tobacco Product Wholesaling	3609	Other Grocery Wholesaling	19,758	F	F
Textile, Clothing and Footwear Wholesaling	3711	Textile Product Wholesaling	2,108	F	F
Textile, Clothing and Footwear Wholesaling	3712	Clothing and Footwear Wholesaling	9,920	F	F
Pharmaceutical and Toiletry Goods Wholesaling	3720	Pharmaceutical and Toiletry Goods Wholesaling	18,449	F	F
Furniture, Floor Covering and Other Goods Wholesaling	3731	Furniture and Floor Covering Wholesaling	3,790	F	F
Furniture, Floor Covering and Other Goods Wholesaling	3732	Jewellery and Watch Wholesaling	995	F	F
Furniture, Floor Covering and Other Goods Wholesaling	3733	Kitchen and Diningware Wholesaling	2,057	F	F
Furniture, Floor Covering and Other Goods Wholesaling	3734	Toy and Sporting Goods Wholesaling	2,611	F	F
Furniture, Floor Covering and Other Goods Wholesaling	3735	Book and Magazine Wholesaling	938	F	F
Furniture, Floor Covering and Other Goods Wholesaling	3736	Paper Product Wholesaling	4,031	F	F
Commission-Based Wholesaling	3800	Commission-Based Wholesaling	5,366	F	F
Motor Vehicle Retailing	3911	Car Retailing	50,105	C	C6
Motor Vehicle Retailing	3912	Motor Cycle Retailing	1,917	C	C6
Motor Vehicle Retailing	3913	Trailer and Other Motor Vehicle Retailing	1,825	C	C6
Motor Vehicle Parts and Tyre Retailing	3921	Motor Vehicle Parts Retailing	16,348	C	C6
Motor Vehicle Parts and Tyre Retailing	3922	Tyre Retailing	5,281	F	F
Fuel Retailing	4000	Fuel Retailing	35,459	D	D
Supermarket and Grocery Stores	4110	Supermarket and Grocery Stores	298,246	F	F
Specialised Food Retailing	4121	Fresh Meat, Fish and Poultry Retailing	19,891	F	F
Specialised Food Retailing	4122	Fruit and Vegetable Retailing	13,670	F	F
Specialised Food Retailing	4123	Liquor Retailing	27,661	F	F
Specialised Food Retailing	4129	Other Specialised Food Retailing	22,085	F	F
Furniture, Floor Coverings, Houseware and Textile Goods Retailing	4211	Furniture Retailing	23,035	F	F
Furniture, Floor Coverings, Houseware and Textile Goods Retailing	4212	Floor Coverings Retailing	3,946	F	F
Furniture, Floor Coverings, Houseware and Textile Goods Retailing	4213	Houseware Retailing	3,693	F	F
Furniture, Floor Coverings, Houseware and Textile Goods Retailing	4214	Manchester and Other Textile Goods Retailing	12,554	F	F
Electrical and Electronic Goods Retailing	4221	Electrical, Electronic and Gas Appliance Retailing	38,242	C	C6
Electrical and Electronic Goods Retailing	4222	Computer and Computer Peripheral Retailing	8,903	F	F
Electrical and Electronic Goods Retailing	4229	Other Electrical and Electronic Goods Retailing	2,918	C	C6
Hardware, Building and Garden Supplies Retailing	4231	Hardware and Building Supplies Retailing	58,701	F	F
Hardware, Building and Garden Supplies Retailing	4232	Garden Supplies Retailing	4,645	F	F
Recreational Goods Retailing	4241	Sport and Camping Equipment Retailing	16,309	F	F
Recreational Goods Retailing	4242	Entertainment Media Retailing	3,283	F	F
Recreational Goods Retailing	4243	Toy and Game Retailing	4,412	F	F
Recreational Goods Retailing	4244	Newspaper and Book Retailing	13,653	F	F
Recreational Goods Retailing	4245	Marine Equipment Retailing	2,400	F	F
Clothing, Footwear and Personal Accessory Retailing	4251	Clothing Retailing	92,249	F	F
Clothing, Footwear and Personal Accessory Retailing	4252	Footwear Retailing	19,449	F	F
Clothing, Footwear and Personal Accessory Retailing	4253	Watch and Jewellery Retailing	17,970	F	F
Clothing, Footwear and Personal Accessory Retailing	4259	Other Personal Accessory Retailing	3,817	F	F
Department Stores	4260	Department Stores	69,837	F	F
Pharmaceutical and Other Store-Based Retailing	4271	Pharmaceutical, Cosmetic and Toiletry Goods Retailing	80,788	F	F
Pharmaceutical and Other Store-Based Retailing	4272	Stationery Goods Retailing	10,079	F	F
Pharmaceutical and Other Store-Based Retailing	4273	Antique and Used Goods Retailing	7,378	F	F
Pharmaceutical and Other Store-Based Retailing	4274	Flower Retailing	7,752	F	F
Non-Store Retailing	4310	Non-Store Retailing	10,787	F	F
Retail Commission-Based Buying and/or Selling	4320	Retail Commission-Based Buying and/or Selling	205	F	F
Accommodation	4400	Accommodation	106,035	F	F
Cafes, Restaurants and Takeaway Food Services	4511	Cafes and Restaurants	266,849	F	F
Cafes, Restaurants and Takeaway Food Services	4512	Takeaway Food Services	231,427	F	F
Cafes, Restaurants and Takeaway Food Services	4513	Catering Services	31,326	F	F
Pubs, Taverns and Bars	4520	Pubs, Taverns and Bars	76,011	F	F
Clubs (Hospitality)	4530	Clubs (Hospitality)	41,811	F	F
Road Freight Transport	4610	Road Freight Transport	133,833	B	B3
Road Passenger Transport	4621	Interurban and Rural Bus Transport	4,052	B	B3
Road Passenger Transport	4622	Urban Bus Transport (Including Tramway)	36,566	B	B3
Road Passenger Transport	4623	Taxi and Other Road Transport	33,337	B	B3
Rail Freight Transport	4710	Rail Freight Transport	9,781	B	B3
Rail Passenger Transport	4720	Rail Passenger Transport	29,513	B	B3
Water Freight Transport	4810	Water Freight Transport	2,181	B	B3
Water Passenger Transport	4820	Water Passenger Transport	2,223	B	B3
Air and Space Transport	4900	Air and Space Transport	37,025	B	B3
Scenic and Sightseeing Transport	5010	Scenic and Sightseeing Transport	4,821	F	F
Pipeline and Other Transport	5021	Pipeline Transport	1,992	D	D
Postal and Courier Pick-up and Delivery Services	5101	Postal Services	45,014	F	F

Postal and Courier Pick-up and Delivery Services	5102	Courier Pick-up and Delivery Services	50,245	F	F
Water Transport Support Services	5211	Stevedoring Services	2,753	F	F
Water Transport Support Services	5212	Port and Water Transport Terminal Operations	7,815	F	F
Water Transport Support Services	5219	Other Water Transport Support Services	3,416	F	F
Airport Operations and Other Air Transport Support Services	5220	Airport Operations and Other Air Transport Support Services	11,278	F	F
Other Transport Support Services	5291	Customs Agency Services	1,292	F	F
Other Transport Support Services	5292	Freight Forwarding Services	22,586	F	F
Warehousing and Storage Services	5301	Grain Storage Services	2,915	F	F
Warehousing and Storage Services	5309	Other Warehousing and Storage Services	42,856	F	F
Newspaper, Periodical, Book and Directory Publishing	5411	Newspaper Publishing	9,702	F	F
Newspaper, Periodical, Book and Directory Publishing	5412	Magazine and Other Periodical Publishing	3,111	F	F
Newspaper, Periodical, Book and Directory Publishing	5413	Book Publishing	4,817	F	F
Newspaper, Periodical, Book and Directory Publishing	5414	Directory and Mailing List Publishing	416	F	F
Newspaper, Periodical, Book and Directory Publishing	5419	Other Publishing (except Software, Music and Internet)	135	F	F
Software Publishing	5420	Software Publishing	4,978	F	F
Motion Picture and Video Activities	5511	Motion Picture and Video Production	13,692	F	F
Motion Picture and Video Activities	5512	Motion Picture and Video Distribution	364	F	F
Motion Picture and Video Activities	5513	Motion Picture Exhibition	8,530	F	F
Motion Picture and Video Activities	5514	Post-production Services and Other Motion Picture and Video Activities	1,996	F	F
Sound Recording and Music Publishing	5521	Music Publishing	440	F	F
Sound Recording and Music Publishing	5522	Music and Other Sound Recording Activities	975	F	F
Radio Broadcasting	5610	Radio Broadcasting	5,342	F	F
Television Broadcasting	5621	Free-to-Air Television Broadcasting	14,162	F	F
Television Broadcasting	5622	Cable and Other Subscription Broadcasting	2,174	F	F
Internet Publishing and Broadcasting	5700	Internet Publishing and Broadcasting	2,726	F	F
Telecommunications Services	5801	Wired Telecommunications Network Operation	11,025	F	F
Telecommunications Services	5802	Other Telecommunications Network Operation	27,606	F	F
Telecommunications Services	5809	Other Telecommunications Services	275	F	F
Internet Service Providers and Web Search Portals	5910	Internet Service Providers and Web Search Portals	11,470	F	F
Data Processing, Web Hosting and Electronic Information Storage Services	5921	Data Processing and Web Hosting Services	7,012	F	F
Data Processing, Web Hosting and Electronic Information Storage Services	5922	Electronic Information Storage Services	2,378	F	F
Libraries and Archives	6010	Libraries and Archives	6,634	F	F
Other Information Services	6020	Other Information Services	74	F	F
Central Banking	6210	Central Banking	2,182	C	C2
Depository Financial Intermediation	6221	Banking	156,876	C	C2
Depository Financial Intermediation	6222	Building Society Operation	820	C	C2
Depository Financial Intermediation	6223	Credit Union Operation	3,446	C	C2
Depository Financial Intermediation	6229	Other Depository Financial Intermediation	2,983	C	C2
Non-Depository Financing	6230	Non-Depository Financing	7,363	C	C2
Financial Asset Investing	6240	Financial Asset Investing	9,054	C	C2
Life Insurance	6310	Life Insurance	10,056	F	F
Health and General Insurance	6321	Health Insurance	12,622	F	F
Health and General Insurance	6322	General Insurance	63,320	F	F
Superannuation Funds	6330	Superannuation Funds	10,036	C	C2
Auxiliary Finance and Investment Services	6411	Financial Asset Broking Services	14,896	F	F
Auxiliary Finance and Investment Services	6419	Other Auxiliary Finance and Investment Services	93,134	F	F
Auxiliary Insurance Services	6420	Auxiliary Insurance Services	17,864	F	F
Motor Vehicle and Transport Equipment Rental and Hiring	6611	Passenger Car Rental and Hiring	5,611	C	C6
Motor Vehicle and Transport Equipment Rental and Hiring	6619	Other Motor Vehicle and Transport Equipment Rental and Hiring	2,893	C	C6
Farm Animal and Bloodstock Leasing	6620	Farm Animal and Bloodstock Leasing	-	F	F
Other Goods and Equipment Rental and Hiring	6631	Heavy Machinery and Scaffolding Rental and Hiring	9,152	C	C5
Other Goods and Equipment Rental and Hiring	6632	Video and Other Electronic Media Rental and Hiring	125	F	F
Non-Financial Intangible Assets (Except Copyrights) Leasing	6640	Non-Financial Intangible Assets (Except Copyrights) Leasing	330	F	F
Property Operators	6711	Residential Property Operators	7,860	E	E2
Property Operators	6712	Non-Residential Property Operators	20,381	E	E2
Real Estate Services	6720	Real Estate Services	117,991	F	F
Scientific Research Services	6910	Scientific Research Services	35,581	C	C1
Architectural, Engineering and Technical Services	6921	Architectural Services	46,813	C	C3
Architectural, Engineering and Technical Services	6922	Surveying and Mapping Services	9,129	F	F
Architectural, Engineering and Technical Services	6923	Engineering Design and Engineering Consulting Services	94,663	C	C3
Architectural, Engineering and Technical Services	6924	Other Specialised Design Services	29,045	F	F
Architectural, Engineering and Technical Services	6925	Scientific Testing and Analysis Services	18,023	C	C3
Legal and Accounting Services	6931	Legal Services	122,298	C	C2
Legal and Accounting Services	6932	Accounting Services	145,447	C	C2
Advertising Services	6940	Advertising Services	41,464	F	F
Market Research and Statistical Services	6950	Market Research and Statistical Services	21,367	F	F
Management and Related Consulting Services	6961	Corporate Head Office Management Services	12,008	F	F
Management and Related Consulting Services	6962	Management Advice and Related Consulting Services	71,203	C	C2
Veterinary Services	6970	Veterinary Services	28,479	F	F
Other Professional, Scientific and Technical Services	6991	Professional Photographic Services	11,773	F	F
Computer System Design and Related Services	7000	Computer System Design and Related Services	219,621	F	F
Employment Services	7211	Employment Placement and Recruitment Services	55,874	F	F
Employment Services	7212	Labour Supply Services	49,591	F	F
Travel Agency and Tour Arrangement Services	7220	Travel Agency and Tour Arrangement Services	20,255	F	F
Other Administrative Services	7291	Office Administrative Services	9,817	F	F
Other Administrative Services	7292	Document Preparation Services	1,971	F	F
Other Administrative Services	7293	Credit Reporting and Debt Collection Services	4,983	F	F
Other Administrative Services	7294	Call Centre Operation	10,420	F	F
Building Cleaning, Pest Control and Gardening Services	7311	Building and Other Industrial Cleaning Services	144,676	F	F
Building Cleaning, Pest Control and Gardening Services	7312	Building Pest Control Services	9,039	F	F
Building Cleaning, Pest Control and Gardening Services	7313	Gardening Services	44,088	F	F
Packaging Services	7320	Packaging Services	9,734	F	F

Central Government Administration	7510	Central Government Administration	131,532	C	C4
State Government Administration	7520	State Government Administration	170,093	C	C4
Local Government Administration	7530	Local Government Administration	153,913	C	C4
Justice	7540	Justice	15,046	F	F
Government Representation	7551	Domestic Government Representation	682	F	F
Government Representation	7552	Foreign Government Representation	1,032	F	F
Defence	7600	Defence	83,268	F	F
Public Order and Safety Services	7711	Police Services	81,444	F	F
Public Order and Safety Services	7712	Investigation and Security Services	48,110	F	F
Public Order and Safety Services	7713	Fire Protection and Other Emergency Services	22,935	F	F
Public Order and Safety Services	7714	Correctional and Detention Services	37,007	F	F
Public Order and Safety Services	7719	Other Public Order and Safety Services	11,461	F	F
Regulatory Services	7720	Regulatory Services	11,865	F	F
Preschool Education	8010	Preschool Education	75,408	F	F
School Education	8021	Primary Education	264,752	F	F
School Education	8022	Secondary Education	204,754	F	F
School Education	8023	Combined Primary and Secondary Education	146,208	F	F
School Education	8024	Special School Education	16,915	F	F
Tertiary Education	8101	Technical and Vocational Education and Training	57,116	C	C1
Tertiary Education	8102	Higher Education	157,381	C	C1
Adult, Community and Other Education	8211	Sports and Physical Recreation Instruction	32,798	F	F
Adult, Community and Other Education	8212	Arts Education	22,078	F	F
Educational Support Services	8220	Educational Support Services	3,412	F	F
Hospitals	8401	Hospitals (Except Psychiatric Hospitals)	541,972	F	F
Hospitals	8402	Psychiatric Hospitals	4,526	F	F
Medical Services	8511	General Practice Medical Services	109,054	F	F
Medical Services	8512	Specialist Medical Services	39,714	F	F
Pathology and Diagnostic Imaging Services	8520	Pathology and Diagnostic Imaging Services	53,334	F	F
Allied Health Services	8531	Dental Services	56,537	F	F
Allied Health Services	8532	Optometry and Optical Dispensing	19,308	F	F
Allied Health Services	8533	Physiotherapy Services	28,123	F	F
Allied Health Services	8534	Chiropractic and Osteopathic Services	10,125	F	F
Allied Health Services	8539	Other Allied Health Services	92,343	F	F
Other Health Care Services	8591	Ambulance Services	22,741	F	F
Residential Care Services	8601	Aged Care Residential Services	257,016	F	F
Residential Care Services	8609	Other Residential Care Services	24,416	F	F
Child Care Services	8710	Child Care Services	114,751	F	F
Other Social Assistance Services	8790	Other Social Assistance Services	275,410	F	F
Museum Operation	8910	Museum Operation	9,709	F	F
Parks and Gardens Operations	8921	Zoological and Botanical Gardens Operation	4,128	F	F
Parks and Gardens Operations	8922	Nature Reserves and Conservation Parks Operation	8,526	G	G
Creative and Performing Arts Activities	9001	Performing Arts Operation	6,108	F	F
Creative and Performing Arts Activities	9002	Creative Artists, Musicians, Writers and Performers	24,063	F	F
Creative and Performing Arts Activities	9003	Performing Arts Venue Operation	4,680	F	F
Sports and Physical Recreation Activities	9111	Health and Fitness Centres and Gymnasia Operation	27,140	F	F
Sports and Physical Recreation Activities	9112	Sports and Physical Recreation Clubs and Sports Professionals	15,458	F	F
Sports and Physical Recreation Activities	9113	Sports and Physical Recreation Venues, Grounds and Facilities Operation	18,438	F	F
Sports and Physical Recreation Activities	9114	Sports and Physical Recreation Administrative Service	7,408	F	F
Horse and Dog Racing Activities	9121	Horse and Dog Racing Administration and Track Operation	2,133	F	F
Horse and Dog Racing Activities	9129	Other Horse and Dog Racing Activities	8,120	F	F
Amusement and Other Recreation Activities	9131	Amusement Parks and Centres Operation	7,190	F	F
Gambling Activities	9201	Casino Operation	16,076	F	F
Gambling Activities	9202	Lottery Operation	1,395	F	F
Gambling Activities	9209	Other Gambling Activities	8,882	F	F
Automotive Repair and Maintenance	9411	Automotive Electrical Services	6,388	B	B3
Automotive Repair and Maintenance	9412	Automotive Body, Paint and Interior Repair	35,938	F	F
Automotive Repair and Maintenance	9419	Other Automotive Repair and Maintenance	74,267	B	B3
Machinery and Equipment Repair and Maintenance	9421	Domestic Appliance Repair and Maintenance	8,885	C	C6
Machinery and Equipment Repair and Maintenance	9429	Other Machinery and Equipment Repair and Maintenance	28,308	C	C6
Other Repair and Maintenance	9491	Clothing and Footwear Repair	2,371	F	F
Personal Care Services	9511	Hairdressing and Beauty Services	97,233	F	F
Personal Care Services	9512	Diet and Weight Reduction Centre Operation	452	F	F
Funeral, Crematorium and Cemetery Services	9520	Funeral, Crematorium and Cemetery Services	7,333	F	F
Other Personal Services	9531	Laundry and Dry-Cleaning Services	15,308	F	F
Other Personal Services	9532	Photographic Film Processing	901	F	F
Other Personal Services	9533	Parking Services	2,198	F	F
Other Personal Services	9534	Brothel Keeping and Prostitution Services	647	F	F
Religious Services	9540	Religious Services	31,641	F	F
Civic Professional and Other Interest Group Services	9551	Business and Professional Association Services	8,779	F	F
Civic Professional and Other Interest Group Services	9552	Labour Association Services	4,976	F	F
Private Households Employing Staff and Undifferentiated Goods- and Service-Producing Activities of Households for Own Use	9601	Private Households Employing Staff	3,115	F	F

Table 4: Largest occupations by clean energy sub-segment

Clean Energy Supply	Sub-Level Category			Clean Energy Supply
Supply - generation	A1			Supply - distribution
Occupation (ANZSCO 4-digit)	Employment Number	Proportion of sub-segment (%)	Proportion in this sub-segment vs all industries	Occupation (ANZSCO 4-digit)
Electricians	338	9.7%	0.3%	Electrical Distribution Trades Workers
Metal Fitters and Machinists	197	5.6%	0.2%	Electricians
Electrical Engineers	189	5.4%	1.1%	Electrical Engineers
Contract, Program and Project Administrators	170	4.9%	0.1%	Contract, Program and Project Administrators
Chemical, Gas, Petroleum and Power Generation Plant Operators	116	3.3%	1.6%	Electrical Engineering Draftspersons and Technicians
Accountants	113	3.2%	0.1%	Other Information and Organisation Professionals
Industrial, Mechanical and Production Engineers	105	3.0%	0.4%	Information Officers
Advertising, Public Relations and Sales Managers	104	3.0%	0.1%	Call or Contact Centre Workers
Other Specialist Managers	82	2.3%	0.1%	Management and Organisation Analysts
Construction Managers	65	1.9%	0.1%	Software and Applications Programmers
Engineering Managers	62	1.8%	0.3%	Chemical, Gas, Petroleum and Power Generation Plant Operators
Sales Assistants (General)	62	1.8%	0.0%	ICT Managers
Civil Engineering Professionals	60	1.7%	0.1%	General Clerks
Human Resource Managers	56	1.6%	0.1%	Other Specialist Managers
General Clerks	56	1.6%	0.0%	Accountants
Electrical Engineering Draftspersons and Technicians	55	1.6%	0.7%	Advertising, Public Relations and Sales Managers
Finance Managers	52	1.5%	0.1%	Accounting Clerks
Chief Executives and Managing Directors	47	1.3%	0.1%	ICT Business and Systems Analysts
Engineering Professionals, nfd	46	1.3%	0.3%	Human Resource Managers
Other Information and Organisation Professionals	44	1.3%	0.1%	Engineering Managers
General Managers	43	1.2%	0.1%	Policy and Planning Managers
Management and Organisation Analysts	42	1.2%	0.1%	Database and Systems Administrators, and ICT Security Specialists
Software and Applications Programmers	40	1.1%	0.0%	Construction Managers
Accounting Clerks	40	1.1%	0.0%	Purchasing and Supply Logistics Clerks
Other Hospitality, Retail and Service Managers	39	1.1%	0.1%	Other Miscellaneous Technicians and Trades Workers
Specialist Managers, nfd	37	1.1%	0.1%	Supply, Distribution and Procurement Managers
Managers, nfd	35	1.0%	0.1%	Human Resource Professionals
ICT Managers	34	1.0%	0.0%	Sales Representatives
Sales Representatives	34	1.0%	0.0%	Advertising and Marketing Professionals
Labourers, nfd	34	1.0%	0.2%	ICT Support Technicians
Policy and Planning Managers	32	0.9%	0.1%	Sales Assistants (General)
Purchasing and Supply Logistics Clerks	31	0.9%	0.0%	Metal Fitters and Machinists
Other Miscellaneous Labourers	31	0.9%	0.1%	Other Building and Engineering Technicians
Production Managers	30	0.9%	0.1%	Specialist Managers, nfd
Supply, Distribution and Procurement Managers	29	0.8%	0.1%	Finance Managers
Environmental Scientists	29	0.8%	0.1%	Architectural, Building and Surveying Technicians
Office Managers	29	0.8%	0.0%	Inspectors and Regulatory Officers
Occupational and Environmental Health Professionals	27	0.8%	0.1%	Industrial, Mechanical and Production Engineers
Technicians and Trades Workers, nfd	26	0.7%	0.1%	Managers, nfd
ICT Support Technicians	25	0.7%	0.0%	Call or Contact Centre and Customer Service Managers
Database and Systems Administrators, and ICT Security Specialists	24	0.7%	0.1%	Professionals, nfd
Personal Assistants	24	0.7%	0.0%	Electrotechnology and Telecommunications Trades Workers, nfd
Receptionists	24	0.7%	0.0%	Occupational and Environmental Health Professionals
Financial Brokers	22	0.6%	0.1%	Keyboard Operators
Human Resource Professionals	22	0.6%	0.0%	General Managers
Other Building and Engineering Technicians	22	0.6%	0.1%	Auditors, Company Secretaries and Corporate Treasurers
Architectural, Building and Surveying Technicians	21	0.6%	0.0%	Personal Assistants
Building and Plumbing Labourers	21	0.6%	0.0%	Storepersons
Research and Development Managers	20	0.6%	0.1%	Technicians and Trades Workers, nfd
Science Technicians	20	0.6%	0.1%	ICT Professionals, nfd

Sub-Level Category			Clean Energy Demand	Sub-Level Category		
A2			Demand - energy usage	B1		
Employment Number	Proportion of sub-segment (%)	Proportion in this sub-segment vs all industries	Occupation (ANZSCO 4-digit)	Employment Number	Proportion of sub-segment (%)	Proportion in this sub-segment vs all industries
4,267	10.7%	63.0%	Electricians	74,913	57.3%	59.1%
3,586	9.0%	2.8%	Airconditioning and Refrigeration Mechanics	8,471	6.5%	44.7%
2,220	5.6%	13.0%	Electrotechnology and Telecommunications Trades Workers, nfd	3,277	2.5%	63.8%
1,735	4.4%	1.4%	Office Managers	3,163	2.4%	3.0%
1,348	3.4%	16.0%	General Clerks	2,643	2.0%	1.1%
1,013	2.6%	1.6%	Contract, Program and Project Administrators	2,235	1.7%	1.9%
980	2.5%	2.0%	Other Miscellaneous Labourers	1,754	1.3%	3.2%
872	2.2%	2.3%	Construction Managers	1,742	1.3%	1.6%
834	2.1%	1.2%	Bookkeepers	1,567	1.2%	2.1%
808	2.0%	0.7%	Accounting Clerks	1,480	1.1%	1.5%
762	1.9%	10.4%	Plumbers	1,461	1.1%	1.9%
755	1.9%	1.0%	Electrical Engineering Draftspersons and Technicians	1,446	1.1%	17.2%
729	1.8%	0.3%	Telecommunications Trades Workers	1,257	1.0%	9.6%
694	1.7%	1.1%	Electronics Trades Workers	1,101	0.8%	5.7%
668	1.7%	0.4%	Electrical Engineers	1,063	0.8%	6.2%
630	1.6%	0.5%	Other Hospitality, Retail and Service Managers	991	0.8%	1.7%
525	1.3%	0.5%	Call or Contact Centre and Customer Service Managers	896	0.7%	2.2%
484	1.2%	1.4%	Advertising, Public Relations and Sales Managers	833	0.6%	0.7%
451	1.1%	0.8%	Architectural, Building and Surveying Technicians	701	0.5%	1.0%
413	1.0%	1.9%	Receptionists	654	0.5%	0.4%
408	1.0%	0.8%	Engineering Production Workers	617	0.5%	3.8%
396	1.0%	1.2%	Managers, nfd	593	0.5%	1.2%
384	1.0%	0.4%	Electrical Distribution Trades Workers	587	0.4%	8.7%
367	0.9%	0.5%	Sales Assistants (General)	578	0.4%	0.1%
355	0.9%	2.0%	Industrial, Mechanical and Production Engineers	545	0.4%	1.8%
351	0.9%	0.9%	General Managers	534	0.4%	0.9%
329	0.8%	0.5%	Chief Executives and Managing Directors	524	0.4%	0.8%
322	0.8%	0.5%	Accountants	510	0.4%	0.3%
318	0.8%	0.4%	Technicians and Trades Workers, nfd	486	0.4%	2.4%
318	0.8%	0.6%	Secretaries	457	0.3%	1.6%
313	0.8%	0.1%	Storepersons	448	0.3%	0.4%
312	0.8%	0.4%	Technical Sales Representatives	446	0.3%	1.8%
304	0.8%	1.2%	Finance Managers	435	0.3%	0.8%
302	0.8%	0.9%	Purchasing and Supply Logistics Clerks	427	0.3%	0.6%
299	0.8%	0.5%	Building and Plumbing Labourers	425	0.3%	0.9%
289	0.7%	0.4%	Sales Representatives	421	0.3%	0.6%
287	0.7%	0.6%	Engineering Managers	411	0.3%	1.9%
279	0.7%	0.9%	Specialist Managers, nfd	395	0.3%	1.2%
277	0.7%	0.6%	Payroll Clerks	375	0.3%	1.4%
266	0.7%	0.6%	Human Resource Managers	363	0.3%	0.7%
266	0.7%	0.7%	Keyboard Operators	295	0.2%	0.8%
259	0.7%	5.0%	Other Specialist Managers	283	0.2%	0.5%
252	0.6%	1.0%	Automotive Electricians	279	0.2%	3.5%
243	0.6%	0.6%	Production Managers	235	0.2%	0.4%
236	0.6%	0.4%	Other Miscellaneous Technicians and Trades Workers	233	0.2%	1.3%
233	0.6%	1.0%	Product Assemblers	216	0.2%	1.1%
233	0.6%	0.5%	Metal Fitters and Machinists	209	0.2%	0.3%
229	0.6%	0.2%	Supply, Distribution and Procurement Managers	196	0.2%	0.5%
218	0.5%	1.1%	ICT Managers	194	0.1%	0.3%
217	0.5%	1.0%	Occupational and Environmental Health Professionals	185	0.1%	0.8%



Clean Energy Demand	Sub-Level Category			Clean Energy Demand	Sub-Level Category		
Demand - energy performance	B2			Demand - transport	B3		
Occupation (ANZSCO 4-digit)	Employment Number	Proportion of sub-segment (%)	Proportion in this sub-segment vs all industries	Occupation (ANZSCO 4-digit)	Employment Number	Proportion of sub-segment (%)	Proportion in this sub-segment vs all industries
Carpenters and Joiners	87,879	20.0%	79.3%	Truck Drivers	69,238	18.8%	45.5%
<b>Plumbers</b>	<b>59,096</b>	<b>13.5%</b>	<b>75.2%</b>	<b>Motor Mechanics</b>	<b>47,243</b>	<b>12.8%</b>	<b>55.3%</b>
<b>Construction Managers</b>	<b>55,381</b>	<b>12.6%</b>	<b>51.9%</b>	Bus and Coach Drivers	29,328	7.9%	79.5%
<b>Architectural, Building and Surveying Technicians</b>	<b>26,747</b>	<b>6.1%</b>	<b>39.3%</b>	Automobile Drivers	26,875	7.3%	77.2%
Building and Plumbing Labourers	15,734	3.6%	33.1%	Train and Tram Drivers	9,912	2.7%	78.0%
Wall and Floor Tilers	15,491	3.5%	90.9%	Transport and Despatch Clerks	7,451	2.0%	25.0%
Office Managers	8,384	1.9%	7.9%	Delivery Drivers	7,347	2.0%	11.2%
General Clerks	7,904	1.8%	3.4%	Air Transport Professionals	7,065	1.9%	54.5%
Insulation and Home Improvement Installers	7,770	1.8%	48.5%	Transport Services Managers	7,061	1.9%	46.0%
Contract, Program and Project Administrators	6,728	1.5%	5.6%	Supply, Distribution and Procurement Managers	6,300	1.7%	16.6%
Glaziers	6,654	1.5%	81.7%	General Clerks	6,138	1.7%	2.6%
Floor Finishers	6,285	1.4%	82.9%	Travel Attendants	5,975	1.6%	91.4%
Accounting Clerks	5,880	1.3%	6.0%	<b>Metal Fitters and Machinists</b>	<b>5,580</b>	<b>1.5%</b>	<b>6.9%</b>
Bookkeepers	5,522	1.3%	7.3%	Forklift Drivers	5,059	1.4%	10.1%
Cabinetmakers	4,744	1.1%	21.8%	Ticket Salespersons	5,036	1.4%	40.1%
<b>Electricians</b>	<b>4,587</b>	<b>1.0%</b>	<b>3.6%</b>	Office Managers	4,742	1.3%	4.5%
<b>Structural Steel Construction Workers</b>	<b>4,353</b>	<b>1.0%</b>	<b>22.7%</b>	<b>Automotive Electricians</b>	<b>4,682</b>	<b>1.3%</b>	<b>58.6%</b>
Bricklayers and Stonemasons	4,012	0.9%	19.2%	Storepersons	4,021	1.1%	3.3%
Plasterers	3,900	0.9%	17.7%	Other Miscellaneous Labourers	3,994	1.1%	7.3%
Sales Representatives	3,507	0.8%	5.0%	Motor Vehicle Parts and Accessories Fitters	3,789	1.0%	34.5%
<b>Civil Engineering Professionals</b>	<b>3,411</b>	<b>0.8%</b>	<b>7.1%</b>	Freight and Furniture Handlers	3,735	1.0%	31.1%
Handypersons	3,385	0.8%	11.2%	Couriers and Postal Deliverers	3,678	1.0%	9.3%
Advertising, Public Relations and Sales Managers	3,016	0.7%	2.4%	<b>Aircraft Maintenance Engineers</b>	<b>3,551</b>	<b>1.0%</b>	<b>31.3%</b>
<b>Structural Steel and Welding Trades Workers</b>	<b>2,939</b>	<b>0.7%</b>	<b>5.2%</b>	Accounting Clerks	3,197	0.9%	3.3%
Accountants	2,517	0.6%	1.6%	Bookkeepers	2,933	0.8%	3.9%
Sales Assistants (General)	2,213	0.5%	0.4%	Call or Contact Centre and Customer Service Managers	2,541	0.7%	6.1%
Truck Drivers	2,175	0.5%	1.4%	Information Officers	2,434	0.7%	4.9%
Receptionists	2,128	0.5%	1.4%	Receptionists	2,303	0.6%	1.5%
Other Hospitality, Retail and Service Managers	2,047	0.5%	3.6%	Purchasing and Supply Logistics Clerks	2,187	0.6%	3.2%
Concreters	2,013	0.5%	7.0%	<b>Electricians</b>	<b>2,173</b>	<b>0.6%</b>	<b>1.7%</b>
Chief Executives and Managing Directors	2,002	0.5%	2.9%	Other Stationary Plant Operators	2,110	0.6%	10.2%
Painting Trades Workers	1,984	0.5%	5.0%	Contract, Program and Project Administrators	1,941	0.5%	1.6%
General Managers	1,825	0.4%	3.1%	Other Mobile Plant Operators	1,805	0.5%	22.2%
Crane, Hoist and Lift Operators	1,742	0.4%	17.1%	Railway Track Workers	1,739	0.5%	38.7%
Real Estate Sales Agents	1,741	0.4%	2.1%	Advertising, Public Relations and Sales Managers	1,666	0.5%	1.3%
Finance Managers	1,718	0.4%	3.0%	Accountants	1,661	0.4%	1.1%
Secretaries	1,692	0.4%	5.8%	Managers, nfd	1,639	0.4%	3.4%
Managers, nfd	1,662	0.4%	3.5%	Motor Vehicle and Vehicle Parts Salespersons	1,586	0.4%	5.2%
Commercial Cleaners	1,631	0.4%	1.2%	Road and Rail Drivers, nfd	1,455	0.4%	24.9%
Purchasing and Supply Logistics Clerks	1,530	0.3%	2.2%	Keyboard Operators	1,443	0.4%	3.7%
<b>Production Managers</b>	<b>1,526</b>	<b>0.3%</b>	<b>2.8%</b>	Human Resource Managers	1,420	0.4%	2.6%
Earthmoving Plant Operators	1,380	0.3%	4.1%	Inspectors and Regulatory Officers	1,412	0.4%	3.2%
Storepersons	1,365	0.3%	1.1%	Sales Representatives	1,364	0.4%	1.9%
Interior Designers	1,343	0.3%	11.6%	Commercial Cleaners	1,332	0.4%	1.0%
Land Economists and Valuers	1,314	0.3%	9.6%	Car Detailers	1,325	0.4%	9.9%
Human Resource Managers	1,234	0.3%	2.3%	Chief Executives and Managing Directors	1,239	0.3%	1.8%
Personal Assistants	1,232	0.3%	2.5%	<b>Marine Transport Professionals</b>	<b>1,221</b>	<b>0.3%</b>	<b>17.1%</b>
Technicians and Trades Workers, nfd	1,223	0.3%	6.0%	General Managers	1,173	0.3%	2.0%
Other Miscellaneous Labourers	1,193	0.3%	2.2%	Secretaries	1,138	0.3%	3.9%
Call or Contact Centre and Customer Service Managers	1,170	0.3%	2.8%	Other Specialist Managers	1,113	0.3%	1.8%

Clean Energy Enabling	Sub-Level Category			Clean Energy Enabling	
Enabling - education, training, research & technology	C1			Enabling - finance, legal, business	
Occupation (ANZSCO 4-digit)	Employment Number	Proportion of sub-segment (%)	Proportion in this sub-segment vs all industries	Occupation (ANZSCO 4-digit)	Employment Number
University Lecturers and Tutors	48,305	19.3%	96.8%	Accountants	76,416
Vocational Education Teachers (Aus) / Polytechnic Teachers (NZ)	18,855	7.5%	63.3%	Solicitors	55,497
Professionals, nfd	16,506	6.6%	41.5%	Bank Workers	38,863
General Clerks	11,563	4.6%	5.0%	Management and Organisation Analysts	28,662
Contract, Program and Project Administrators	7,730	3.1%	6.4%	Credit and Loans Officers	23,748
Medical Laboratory Scientists	6,882	2.8%	35.2%	Bookkeepers	18,893
Other Education Managers	6,487	2.6%	56.5%	Conveyancers and Legal Executives	13,106
<b>Research and Development Managers</b>	<b>4,257</b>	<b>1.7%</b>	<b>29.5%</b>	Auditors, Company Secretaries and Corporate Treasurers	12,379
Education Advisers and Reviewers	3,714	1.5%	28.8%	General Clerks	11,831
Natural and Physical Science Professionals, nfd	3,488	1.4%	58.7%	Software and Applications Programmers	10,490
Education Aides	3,118	1.2%	3.0%	Secretaries	9,336
Software and Applications Programmers	3,079	1.2%	2.7%	Financial Dealers	8,463
Other Information and Organisation Professionals	2,959	1.2%	4.8%	Contract, Program and Project Administrators	7,942
Advertising, Public Relations and Sales Managers	2,958	1.2%	2.4%	Advertising, Public Relations and Sales Managers	7,923
Counsellors	2,893	1.2%	11.9%	Finance Managers	7,878
Advertising and Marketing Professionals	2,719	1.1%	3.5%	Other Hospitality, Retail and Service Managers	7,625
Human Resource Professionals	2,707	1.1%	3.9%	Court and Legal Clerks	7,600
ICT Support Technicians	2,527	1.0%	5.0%	ICT Managers	7,321
Accountants	2,437	1.0%	1.6%	Other Information and Organisation Professionals	7,119
Information Officers	2,419	1.0%	4.9%	Office Managers	7,112
Office Managers	2,305	0.9%	2.2%	Personal Assistants	7,029
Human Resource Managers	2,287	0.9%	4.3%	Receptionists	6,400
Life Scientists	2,263	0.9%	40.4%	Accounting Clerks	6,227
Personal Assistants	2,260	0.9%	4.6%	Other Specialist Managers	6,135
<b>Policy and Planning Managers</b>	<b>2,235</b>	<b>0.9%</b>	<b>4.4%</b>	Barristers	6,081
Chief Executives and Managing Directors	2,114	0.8%	3.0%	Financial Investment Advisers and Managers	5,960
Librarians	2,058	0.8%	26.4%	Advertising and Marketing Professionals	5,620
ICT Managers	2,019	0.8%	2.8%	ICT Business and Systems Analysts	4,830
Management and Organisation Analysts	1,952	0.8%	2.7%	Human Resource Professionals	4,539
Other Specialist Managers	1,909	0.8%	3.1%	Chief Executives and Managing Directors	4,476
Other Miscellaneous Clerical and Administrative Workers	1,799	0.7%	9.6%	<b>Policy and Planning Managers</b>	<b>4,044</b>
Science Technicians	1,771	0.7%	12.8%	<b>Environmental Scientists</b>	<b>3,976</b>
Training and Development Professionals	1,763	0.7%	9.4%	Human Resource Managers	3,663
Teachers of English to Speakers of Other Languages	1,725	0.7%	32.7%	Database and Systems Administrators, and ICT Security Specialists	3,568
Accounting Clerks	1,715	0.7%	1.8%	Call or Contact Centre Workers	3,419
Database and Systems Administrators, and ICT Security Specialists	1,681	0.7%	5.0%	Managers, nfd	3,069
Engineering, ICT and Science Technicians, nfd	1,537	0.6%	28.3%	General Managers	2,995
Public Relations Professionals	1,325	0.5%	7.0%	Judicial and Other Legal Professionals	2,954
Social Professionals	1,287	0.5%	13.4%	Professionals, nfd	2,895
Receptionists	1,280	0.5%	0.8%	Public Relations Professionals	2,683
Keyboard Operators	1,218	0.5%	3.1%	Keyboard Operators	2,682
General Managers	1,210	0.5%	2.1%	Specialist Managers, nfd	2,504
Graphic and Web Designers, and Illustrators	1,200	0.5%	3.1%	ICT Support Technicians	2,466
Finance Managers	1,188	0.5%	2.1%	Call or Contact Centre and Customer Service Managers	2,397
Conference and Event Organisers	1,137	0.5%	5.9%	ICT Professionals, nfd	2,335
Actuaries, Mathematicians and Statisticians	1,123	0.4%	17.6%	Financial Brokers	2,158
<b>Agricultural and Forestry Scientists</b>	<b>1,081</b>	<b>0.4%</b>	<b>17.0%</b>	Information Officers	2,032
Managers, nfd	1,078	0.4%	2.2%	Inspectors and Regulatory Officers	1,941
Nurse Educators and Researchers	1,062	0.4%	17.2%	Practice Managers	1,775
Specialist Managers, nfd	1,048	0.4%	3.2%	Insurance, Money Market and Statistical Clerks	1,725

Sub-Level Category		Clean Energy Enabling	Sub-Level Category		
C2		Enabling - engineering, procurement & construction	C3		
Proportion of sub-segment (%)	Proportion in this sub-segment vs all industries	Occupation (ANZSCO 4-digit)	Employment Number	Proportion of sub-segment (%)	Proportion in this sub-segment vs all industries
14.4%	50.0%	Civil Engineering Professionals	24,027	9.8%	50.0%
10.4%	80.3%	Architects and Landscape Architects	19,497	7.9%	85.1%
7.3%	93.3%	Architectural, Building and Surveying Technicians	15,419	6.3%	22.6%
5.4%	39.6%	Construction Managers	8,850	3.6%	8.3%
4.5%	73.3%	Structural Steel and Welding Trades Workers	7,106	2.9%	12.6%
3.6%	25.0%	Industrial, Mechanical and Production Engineers	7,005	2.9%	23.6%
2.5%	84.2%	Engineering Managers	6,299	2.6%	29.3%
2.3%	51.1%	Civil Engineering Draftspersons and Technicians	5,314	2.2%	53.5%
2.2%	5.1%	Electrical Engineers	5,156	2.1%	30.3%
2.0%	9.3%	Engineering Professionals, nfd	4,472	1.8%	32.0%
1.8%	32.2%	Contract, Program and Project Administrators	4,390	1.8%	3.6%
1.6%	46.3%	General Clerks	3,970	1.6%	1.7%
1.5%	6.6%	Metal Fitters and Machinists	3,764	1.5%	4.7%
1.5%	6.4%	Building and Plumbing Labourers	3,716	1.5%	7.8%
1.5%	13.9%	Office Managers	3,636	1.5%	3.4%
1.4%	13.5%	Electricians	3,214	1.3%	2.5%
1.4%	55.9%	Structural Steel Construction Workers	3,101	1.3%	16.2%
1.4%	10.1%	Other Building and Engineering Technicians	3,040	1.2%	12.3%
1.3%	11.6%	Interior Designers	2,913	1.2%	25.2%
1.3%	6.7%	Urban and Regional Planners	2,897	1.2%	21.6%
1.3%	14.4%	Building and Engineering Technicians, nfd	2,768	1.1%	40.3%
1.2%	4.1%	Accounting Clerks	2,743	1.1%	2.8%
1.2%	6.4%	Earthmoving Plant Operators	2,513	1.0%	7.6%
1.2%	10.0%	Other Specialist Managers	2,253	0.9%	3.7%
1.1%	69.8%	Other Engineering Professionals	2,244	0.9%	27.0%
1.1%	17.7%	Accountants	2,143	0.9%	1.4%
1.1%	7.3%	Science Technicians	2,142	0.9%	15.4%
0.9%	14.2%	Other Miscellaneous Labourers	2,061	0.8%	3.8%
0.9%	6.5%	Environmental Scientists	2,048	0.8%	10.6%
0.8%	6.4%	Plumbers	1,994	0.8%	2.5%
0.8%	8.0%	Advertising, Public Relations and Sales Managers	1,970	0.8%	1.6%
0.7%	20.5%	Chief Executives and Managing Directors	1,913	0.8%	2.7%
0.7%	6.8%	Commercial Cleaners	1,834	0.7%	1.3%
0.7%	10.7%	Human Resource Managers	1,784	0.7%	3.3%
0.6%	9.0%	Truck Drivers	1,783	0.7%	1.2%
0.6%	6.4%	Software and Applications Programmers	1,697	0.7%	1.5%
0.6%	5.1%	Surveyors and Spatial Scientists	1,595	0.6%	12.1%
0.6%	21.8%	Bookkeepers	1,476	0.6%	2.0%
0.5%	7.3%	Management and Organisation Analysts	1,441	0.6%	2.0%
0.5%	14.1%	General Managers	1,436	0.6%	2.5%
0.5%	6.9%	Drillers, Miners and Shot Firers	1,436	0.6%	2.8%
0.5%	7.6%	Finance Managers	1,426	0.6%	2.5%
0.5%	4.9%	Electrical Engineering Draftspersons and Technicians	1,398	0.6%	16.6%
0.5%	5.8%	Other Information and Organisation Professionals	1,376	0.6%	2.2%
0.4%	10.6%	Mining Engineers	1,333	0.5%	16.4%
0.4%	6.9%	Occupational and Environmental Health Professionals	1,321	0.5%	5.4%
0.4%	4.1%	Human Resource Professionals	1,289	0.5%	1.9%
0.4%	4.4%	Managers, nfd	1,271	0.5%	2.6%
0.3%	6.6%	Production Managers	1,229	0.5%	2.3%
0.3%	5.8%	Geologists, Geophysicists and Hydrogeologists	1,217	0.5%	15.0%

Clean Energy Enabling	Sub-Level Category			Clean Energy Enabling	Sub-Level Category	
Enabling - regulatory	C4			Enabling - supply chain	C5	
Occupation (ANZSCO 4-digit)	Employment Number	Proportion of sub-segment (%)	Proportion in this sub-segment vs all industries	Occupation (ANZSCO 4-digit)	Employment Number	Proportion of sub-segment (%)
Inspectors and Regulatory Officers	30,151	6.6%	67.8%	Drillers, Miners and Shot Firers	23,263	11.4%
General Clerks	25,157	5.5%	10.8%	<b>Metal Fitters and Machinists</b>	<b>14,479</b>	<b>7.1%</b>
Contract, Program and Project Administrators	23,607	5.2%	19.6%	<b>Structural Steel and Welding Trades Workers</b>	<b>8,790</b>	<b>4.3%</b>
<b>Policy and Planning Managers</b>	<b>20,314</b>	<b>4.5%</b>	<b>40.4%</b>	<b>Other Building and Engineering Technicians</b>	<b>7,473</b>	<b>3.7%</b>
Information Officers	13,178	2.9%	26.7%	<b>Production Managers</b>	<b>7,424</b>	<b>3.6%</b>
Other Information and Organisation Professionals	12,813	2.8%	20.9%	<b>Electricians</b>	<b>7,122</b>	<b>3.5%</b>
Intelligence and Policy Analysts	11,415	2.5%	59.9%	Truck Drivers	6,241	3.0%
Welfare Support Workers	8,216	1.8%	11.8%	Engineering Production Workers	5,295	2.6%
<b>Urban and Regional Planners</b>	<b>7,894</b>	<b>1.7%</b>	<b>58.8%</b>	<b>Geologists, Geophysicists and Hydrogeologists</b>	<b>3,984</b>	<b>1.9%</b>
Welfare, Recreation and Community Arts Workers	7,462	1.6%	20.8%	Storepersons	3,364	1.6%
Other Specialist Managers	7,282	1.6%	11.8%	Purchasing and Supply Logistics Clerks	3,244	1.6%
Accountants	6,269	1.4%	4.1%	<b>Mining Engineers</b>	<b>2,967</b>	<b>1.4%</b>
Accounting Clerks	6,227	1.4%	6.4%	Advertising, Public Relations and Sales Managers	2,944	1.4%
Call or Contact Centre Workers	6,119	1.3%	16.2%	General Clerks	2,874	1.4%
Human Resource Professionals	6,035	1.3%	8.7%	<b>Industrial, Mechanical and Production Engineers</b>	<b>2,806</b>	<b>1.4%</b>
Personal Assistants	5,735	1.3%	11.7%	Bricklayers and Stonemasons	2,772	1.4%
ICT Managers	5,720	1.3%	7.9%	Accounting Clerks	2,614	1.3%
Other Miscellaneous Labourers	5,511	1.2%	10.0%	Other Stationary Plant Operators	2,488	1.2%
<b>Civil Engineering Professionals</b>	<b>5,424</b>	<b>1.2%</b>	<b>11.3%</b>	Technical Sales Representatives	2,465	1.2%
<b>Environmental Scientists</b>	<b>4,759</b>	<b>1.0%</b>	<b>24.5%</b>	Accountants	2,409	1.2%
Software and Applications Programmers	4,744	1.0%	4.2%	Other Construction and Mining Labourers	2,330	1.1%
Management and Organisation Analysts	4,729	1.0%	6.5%	Office Managers	2,142	1.0%
Managers, nfd	4,699	1.0%	9.8%	Metal Engineering Process Workers	2,066	1.0%
Gardeners	4,463	1.0%	7.1%	Contract, Program and Project Administrators	2,000	1.0%
Human Resource Managers	4,349	1.0%	8.1%	Forklift Drivers	1,936	0.9%
Public Relations Professionals	4,297	0.9%	22.7%	Earthmoving Plant Operators	1,912	0.9%
Aged and Disabled Carers	4,038	0.9%	1.8%	Chief Executives and Managing Directors	1,889	0.9%
<b>Occupational and Environmental Health Professionals</b>	<b>3,993</b>	<b>0.9%</b>	<b>16.4%</b>	Product Assemblers	1,849	0.9%
Solicitors	3,957	0.9%	5.7%	<b>Motor Mechanics</b>	<b>1,668</b>	<b>0.8%</b>
ICT Support Technicians	3,765	0.8%	7.5%	Human Resource Managers	1,632	0.8%
<b>Architectural, Building and Surveying Technicians</b>	<b>3,675</b>	<b>0.8%</b>	<b>5.4%</b>	Sheetmetal Trades Workers	1,487	0.7%
Truck Drivers	3,674	0.8%	2.4%	Machine Operators, nfd	1,465	0.7%
Social Workers	3,609	0.8%	13.0%	General Managers	1,451	0.7%
Registered Nurses	3,431	0.8%	1.3%	Other Specialist Managers	1,423	0.7%
Database and Systems Administrators, and ICT Security Specialists	3,340	0.7%	10.0%	<b>Occupational and Environmental Health Professionals</b>	<b>1,423</b>	<b>0.7%</b>
Keyboard Operators	3,338	0.7%	8.6%	Other Information and Organisation Professionals	1,341	0.7%
<b>Construction Managers</b>	<b>3,251</b>	<b>0.7%</b>	<b>3.0%</b>	Sales Representatives	1,328	0.6%
Child Carers	3,214	0.7%	2.0%	Finance Managers	1,318	0.6%
Advertising, Public Relations and Sales Managers	3,188	0.7%	2.6%	Other Hospitality, Retail and Service Managers	1,252	0.6%
Judicial and Other Legal Professionals	3,188	0.7%	23.5%	Crane, Hoist and Lift Operators	1,215	0.6%
Auditors, Company Secretaries and Corporate Treasurers	3,149	0.7%	13.0%	Other Miscellaneous Labourers	1,202	0.6%
Office Managers	3,072	0.7%	2.9%	<b>Engineering Managers</b>	<b>1,201</b>	<b>0.6%</b>
Professionals, nfd	3,020	0.7%	7.6%	<b>Structural Steel Construction Workers</b>	<b>1,169</b>	<b>0.6%</b>
ICT Business and Systems Analysts	3,005	0.7%	8.9%	Supply, Distribution and Procurement Managers	1,154	0.6%
Finance Managers	2,885	0.6%	5.1%	<b>Electrical Engineers</b>	<b>1,146</b>	<b>0.6%</b>
Labourers, nfd	2,843	0.6%	16.8%	Human Resource Professionals	1,145	0.6%
Garden and Nursery Labourers	2,719	0.6%	10.3%	Manufacturers	1,128	0.6%
Specialist Managers, nfd	2,717	0.6%	8.2%	Sales Assistants (General)	1,119	0.5%
Chief Executives and Managing Directors	2,700	0.6%	3.9%	<b>Civil Engineering Professionals</b>	<b>1,040</b>	<b>0.5%</b>
Payroll Clerks	2,575	0.6%	9.4%	Managers, nfd	1,017	0.5%

	Clean Energy Enabling	Sub-Level Category			Transitioning	
	Enabling - vehicle & equipment production, trade & maintenance	C6			Transitioning	
Proportion in this sub-segment vs all industries	Occupation (ANZSCO 4-digit)	Employment Number	Proportion of sub-segment (%)	Proportion in this sub-segment vs all industries	Occupation (ANZSCO 4-digit)	Employment Number
45.9%	Motor Vehicle and Vehicle Parts Salespersons	25,199	8.2%	82.3%	Drillers, Miners and Shot Firers	17,104
<b>17.9%</b>	<b>Motor Mechanics</b>	<b>18,694</b>	<b>6.1%</b>	<b>21.9%</b>	Service Station Attendants	9,561
<b>15.6%</b>	<b>Sales Assistants (General)</b>	<b>18,114</b>	<b>5.9%</b>	<b>3.6%</b>	Checkout Operators and Office Cashiers	9,482
<b>30.2%</b>	<b>Metal Fitters and Machinists</b>	<b>16,960</b>	<b>5.5%</b>	<b>21.0%</b>	<b>Metal Fitters and Machinists</b>	<b>7,950</b>
<b>13.8%</b>	<b>Retail Managers</b>	<b>11,084</b>	<b>3.6%</b>	<b>5.8%</b>	<b>Retail Managers</b>	<b>5,631</b>
<b>5.6%</b>	<b>Storepersons</b>	<b>10,563</b>	<b>3.4%</b>	<b>8.8%</b>	<b>Other Building and Engineering Technicians</b>	<b>3,920</b>
<b>4.1%</b>	<b>Structural Steel and Welding Trades Workers</b>	<b>8,903</b>	<b>2.9%</b>	<b>15.8%</b>	<b>Truck Drivers</b>	<b>3,919</b>
32.8%	Advertising, Public Relations and Sales Managers	8,006	2.6%	6.4%	Electricians	3,899
<b>49.0%</b>	<b>Purchasing and Supply Logistics Clerks</b>	<b>7,183</b>	<b>2.3%</b>	<b>10.5%</b>	<b>Chemical, Gas, Petroleum and Power Generation Plant Operators</b>	<b>3,547</b>
2.8%	General Clerks	6,917	2.2%	3.0%	Production Managers	2,406
4.7%	Electricians	6,767	2.2%	5.3%	Mining Engineers	2,384
<b>36.6%</b>	<b>Sales Representatives</b>	<b>6,705</b>	<b>2.2%</b>	<b>9.6%</b>	<b>Industrial, Mechanical and Production Engineers</b>	<b>1,732</b>
2.4%	Airconditioning and Refrigeration Mechanics	6,559	2.1%	34.6%	Sales Assistants (General)	1,687
1.2%	Accounting Clerks	5,359	1.7%	5.5%	Accountants	1,632
<b>9.5%</b>	<b>Call or Contact Centre and Customer Service Managers</b>	<b>4,624</b>	<b>1.5%</b>	<b>11.2%</b>	<b>Contract, Program and Project Administrators</b>	<b>1,580</b>
13.3%	Car Detailers	4,597	1.5%	34.4%	Structural Steel and Welding Trades Workers	1,376
2.7%	Technical Sales Representatives	4,268	1.4%	16.8%	General Clerks	1,359
12.1%	Industrial, Mechanical and Production Engineers	4,250	1.4%	14.3%	Other Information and Organisation Professionals	1,118
9.7%	Product Assemblers	4,205	1.4%	22.3%	Other Specialist Managers	1,101
1.6%	Office Managers	4,065	1.3%	3.8%	Advertising, Public Relations and Sales Managers	1,100
<b>37.7%</b>	<b>Aircraft Maintenance Engineers</b>	<b>3,294</b>	<b>1.1%</b>	<b>29.1%</b>	<b>Human Resource Managers</b>	<b>984</b>
2.0%	Accountants	3,267	1.1%	2.1%	Geologists, Geophysicists and Hydrogeologists	960
30.5%	Information Officers	3,167	1.0%	6.4%	Accounting Clerks	915
1.7%	Production Managers	2,858	0.9%	5.3%	Purchasing and Supply Logistics Clerks	898
3.9%	Receptionists	2,819	0.9%	1.8%	Plumbers	851
5.7%	Other Sales Assistants and Salespersons	2,679	0.9%	27.9%	Storepersons	841
2.7%	Contract, Program and Project Administrators	2,620	0.9%	2.2%	Motor Mechanics	824
9.8%	ICT Sales Assistants	2,603	0.8%	20.2%	Occupational and Environmental Health Professionals	813
<b>2.0%</b>	<b>Boat Builders and Shipwrights</b>	<b>2,596</b>	<b>0.8%</b>	<b>80.7%</b>	<b>Electrical Engineers</b>	<b>810</b>
3.0%	Forklift Drivers	2,582	0.8%	5.2%	Other Stationary Plant Operators	810
38.4%	Advertising and Marketing Professionals	2,383	0.8%	3.1%	Engineering Managers	792
8.5%	Delivery Drivers	2,330	0.8%	3.5%	Earthmoving Plant Operators	763
2.5%	Finance Managers	2,239	0.7%	4.0%	Supply, Distribution and Procurement Managers	736
2.3%	Chief Executives and Managing Directors	2,164	0.7%	3.1%	Cooks	729
<b>5.9%</b>	<b>Motor Vehicle Parts and Accessories Fitters</b>	<b>2,142</b>	<b>0.7%</b>	<b>19.5%</b>	<b>Management and Organisation Analysts</b>	<b>716</b>
2.2%	Vehicle Body Builders and Trimmers	2,113	0.7%	44.1%	Other Miscellaneous Labourers	716
1.9%	General Managers	2,084	0.7%	3.6%	Finance Managers	693
2.3%	Other Miscellaneous Labourers	2,039	0.7%	3.7%	Technicians and Trades Workers, nfd	690
2.2%	Bookkeepers	1,955	0.6%	2.6%	General Managers	651
12.0%	Supply, Distribution and Procurement Managers	1,776	0.6%	4.7%	Human Resource Professionals	627
2.2%	Software and Applications Programmers	1,776	0.6%	1.6%	Technical Sales Representatives	623
<b>5.6%</b>	<b>Managers, nfd</b>	<b>1,760</b>	<b>0.6%</b>	<b>3.7%</b>	<b>Electrical Engineering Draftspersons and Technicians</b>	<b>572</b>
<b>6.1%</b>	<b>Engineering Managers</b>	<b>1,758</b>	<b>0.6%</b>	<b>8.2%</b>	<b>Managers, nfd</b>	<b>560</b>
3.0%	Technicians and Trades Workers, nfd	1,749	0.6%	8.5%	Office Managers	555
<b>6.7%</b>	<b>Importers, Exporters and Wholesalers</b>	<b>1,655</b>	<b>0.5%</b>	<b>12.1%</b>	<b>Engineering Professionals, nfd</b>	<b>550</b>
1.6%	Electronics Trades Workers	1,583	0.5%	8.2%	Structural Steel Construction Workers	542
7.5%	Human Resource Managers	1,513	0.5%	2.8%	Transport and Despatch Clerks	521
0.2%	Transport Services Managers	1,502	0.5%	9.8%	Specialist Managers, nfd	516
<b>2.2%</b>	<b>Credit and Loans Officers</b>	<b>1,412</b>	<b>0.5%</b>	<b>4.4%</b>	<b>ICT Managers</b>	<b>510</b>
2.1%	Truck Drivers	1,341	0.4%	0.9%	Chief Executives and Managing Directors	498

Top-level category		Emissions-intensive sectors	Sub-Level Category		
D		Direct emissions-intensive	E1		
Proportion of sub-segment (%)	Proportion in this sub-segment vs all industries	Occupation (ANZSCO 4-digit)	Employment Number	Proportion of sub-segment (%)	Proportion in this sub-segment vs all industries
13.6%	33.7%	Truck Drivers	3,306	5.3%	2.2%
7.6%	81.1%	<b>Production Managers</b>	<b>3,008</b>	<b>4.8%</b>	<b>5.6%</b>
7.5%	10.0%	Engineering Production Workers	2,788	4.5%	17.3%
<b>6.3%</b>	<b>9.8%</b>	<b>Metal Fitters and Machinists</b>	<b>2,350</b>	<b>3.8%</b>	<b>2.9%</b>
4.5%	3.0%	Other Machine Operators	1,942	3.1%	15.5%
<b>3.1%</b>	<b>15.8%</b>	Other Specialist Managers	1,554	2.5%	2.5%
3.1%	2.6%	Storepersons	1,523	2.5%	1.3%
<b>3.1%</b>	<b>3.1%</b>	Drillers, Miners and Shot Firers	1,432	2.3%	2.8%
<b>2.8%</b>	<b>48.5%</b>	Advertising, Public Relations and Sales Managers	1,386	2.2%	1.1%
<b>1.9%</b>	<b>4.5%</b>	Other Factory Process Workers	1,381	2.2%	16.8%
<b>1.9%</b>	<b>29.4%</b>	Forklift Drivers	1,358	2.2%	2.7%
<b>1.4%</b>	<b>5.8%</b>	Technical Sales Representatives	1,286	2.1%	5.1%
1.3%	0.3%	Packers	1,252	2.0%	2.5%
1.3%	1.1%	<b>Other Building and Engineering Technicians</b>	<b>1,161</b>	<b>1.9%</b>	<b>4.7%</b>
1.3%	1.3%	Other Stationary Plant Operators	1,160	1.9%	5.6%
<b>1.1%</b>	<b>2.4%</b>	<b>Electricians</b>	<b>1,059</b>	<b>1.7%</b>	<b>0.8%</b>
1.1%	0.6%	Purchasing and Supply Logistics Clerks	1,053	1.7%	1.5%
0.9%	1.8%	<b>Industrial, Mechanical and Production Engineers</b>	<b>1,016</b>	<b>1.6%</b>	<b>3.4%</b>
0.9%	1.8%	Manufacturers	971	1.6%	6.4%
0.9%	0.9%	<b>Chemical, Gas, Petroleum and Power Generation Plant Operators</b>	<b>967</b>	<b>1.6%</b>	<b>13.2%</b>
0.8%	1.8%	<b>Structural Steel and Welding Trades Workers</b>	<b>857</b>	<b>1.4%</b>	<b>1.5%</b>
<b>0.8%</b>	<b>11.8%</b>	Pharmacists	751	1.2%	2.7%
0.7%	0.9%	Sales Representatives	731	1.2%	1.0%
0.7%	1.3%	General Clerks	729	1.2%	0.3%
<b>0.7%</b>	<b>1.1%</b>	Accountants	722	1.2%	0.5%
0.7%	0.7%	Contract, Program and Project Administrators	674	1.1%	0.6%
<b>0.7%</b>	<b>1.0%</b>	Supply, Distribution and Procurement Managers	659	1.1%	1.7%
<b>0.6%</b>	<b>3.3%</b>	Machine Operators, nfd	646	1.0%	3.8%
<b>0.6%</b>	<b>4.8%</b>	Accounting Clerks	632	1.0%	0.6%
0.6%	3.9%	Clay, Concrete, Glass and Stone Processing Machine Operators	631	1.0%	24.1%
<b>0.6%</b>	<b>3.7%</b>	Product Quality Controllers	612	1.0%	6.4%
0.6%	2.3%	Advertising and Marketing Professionals	597	1.0%	0.8%
0.6%	1.9%	Science Technicians	597	1.0%	4.3%
0.6%	2.1%	<b>Chemists, and Food and Wine Scientists</b>	<b>560</b>	<b>0.9%</b>	<b>8.5%</b>
0.6%	1.0%	Other Information and Organisation Professionals	519	0.8%	0.8%
0.6%	1.3%	Concreters	518	0.8%	1.8%
0.5%	1.2%	Transport and Despatch Clerks	514	0.8%	1.7%
0.5%	3.4%	Human Resource Managers	486	0.8%	0.9%
0.5%	1.1%	<b>Chemical and Materials Engineers</b>	<b>447</b>	<b>0.7%</b>	<b>13.0%</b>
0.5%	0.9%	Factory Process Workers, nfd	423	0.7%	6.3%
0.5%	2.4%	Finance Managers	419	0.7%	0.7%
<b>0.5%</b>	<b>6.8%</b>	Office Managers	415	0.7%	0.4%
0.4%	1.2%	Chief Executives and Managing Directors	410	0.7%	0.6%
0.4%	0.5%	General Managers	403	0.6%	0.7%
0.4%	3.9%	Machinery Operators and Drivers, nfd	396	0.6%	3.6%
<b>0.4%</b>	<b>2.8%</b>	Technicians and Trades Workers, nfd	394	0.6%	1.9%
0.4%	1.7%	<b>Research and Development Managers</b>	<b>392</b>	<b>0.6%</b>	<b>2.7%</b>
0.4%	1.6%	Commercial Cleaners	375	0.6%	0.3%
0.4%	0.7%	<b>Construction Managers</b>	<b>337</b>	<b>0.5%</b>	<b>0.3%</b>
0.4%	0.7%	Product Assemblers	326	0.5%	1.7%

Emissions-intensive sectors	Sub-Level Category			All other Industry Groups	Top-Level Category	
Indirect emissions-intensive	E2				F	
Occupation (ANZSCO 4-digit)	Employment Number	Proportion of sub-segment (%)	Proportion in this sub-segment vs all Industries	Occupation (ANZSCO 4-digit)	Employment Number	Proportion of sub-segment (%)
Food and Drink Factory Workers	19,453	5.4%	64.3%	Sales Assistants (General)	426,745	6.2%
Packers	17,405	4.8%	34.2%	Registered Nurses	244,696	3.6%
Sales Assistants (General)	16,105	4.5%	3.2%	Aged and Disabled Carers	205,974	3.0%
Meat, Poultry and Seafood Process Workers	14,482	4.0%	80.7%	Primary School Teachers	160,923	2.3%
Bakers and Pastrycooks	14,207	3.9%	56.0%	Secondary School Teachers	152,432	2.2%
<b>Production Managers</b>	<b>11,269</b>	<b>3.1%</b>	<b>20.9%</b>	Child Carers	152,017	2.2%
Forklift Drivers	7,925	2.2%	15.8%	Retail Managers	146,760	2.1%
Sales Representatives	7,573	2.1%	10.8%	Receptionists	123,482	1.8%
Advertising, Public Relations and Sales Managers	7,560	2.1%	6.1%	General Clerks	121,477	1.8%
Storepersons	7,050	2.0%	5.9%	Commercial Cleaners	115,388	1.7%
Meat Boners and Slicers, and Slaughterers	6,720	1.9%	88.5%	Kitchenhands	103,819	1.5%
Printers	5,848	1.6%	80.0%	Nursing Support and Personal Care Workers	100,582	1.5%
<b>Metal Fitters and Machinists</b>	<b>5,546</b>	<b>1.5%</b>	<b>6.9%</b>	Education Aides	95,585	1.4%
Other Stationary Plant Operators	5,391	1.5%	26.1%	Bar Attendants and Baristas	83,300	1.2%
General Clerks	4,826	1.3%	2.1%	Waiters	80,507	1.2%
Retail Managers	4,659	1.3%	2.5%	Software and Applications Programmers	80,403	1.2%
Purchasing and Supply Logistics Clerks	4,616	1.3%	6.7%	Chefs	78,767	1.1%
Accounting Clerks	4,502	1.2%	4.6%	Checkout Operators and Office Cashiers	78,518	1.1%
Truck Drivers	4,465	1.2%	2.9%	Storepersons	76,986	1.1%
Accountants	4,370	1.2%	2.9%	Real Estate Sales Agents	72,628	1.1%
Cabinetmakers	4,353	1.2%	20.0%	Advertising, Public Relations and Sales Managers	63,036	0.9%
Other Specialist Managers	4,125	1.1%	6.7%	General Practitioners and Resident Medical Officers	62,911	0.9%
Real Estate Sales Agents	3,679	1.0%	4.4%	Livestock Farmers	58,945	0.9%
Manufacturers	3,587	1.0%	23.7%	Shelf Fillers	58,898	0.9%
Contract, Program and Project Administrators	3,574	1.0%	3.0%	Police	58,811	0.9%
Sewing Machinists	3,321	0.9%	50.0%	Hairdressers	52,524	0.8%
<b>Electricians</b>	<b>3,258</b>	<b>0.9%</b>	<b>2.6%</b>	Gardeners	52,516	0.8%
Commercial Cleaners	3,217	0.9%	2.4%	Cafe and Restaurant Managers	52,124	0.8%
Office Managers	3,142	0.9%	3.0%	Welfare Support Workers	48,842	0.7%
Paper and Wood Processing Machine Operators	2,997	0.8%	62.3%	Delivery Drivers	48,697	0.7%
Chief Executives and Managing Directors	2,953	0.8%	4.2%	Advertising and Marketing Professionals	48,342	0.7%
Land Economists and Valuers	2,866	0.8%	21.0%	Office Managers	47,915	0.7%
Advertising and Marketing Professionals	2,690	0.7%	3.5%	Fast Food Cooks	47,419	0.7%
Finance Managers	2,636	0.7%	4.7%	ICT Managers	45,616	0.7%
Supply, Distribution and Procurement Managers	2,575	0.7%	6.8%	Human Resource Professionals	45,422	0.7%
<b>Chemists, and Food and Wine Scientists</b>	<b>2,568</b>	<b>0.7%</b>	<b>39.1%</b>	Accounting Clerks	42,939	0.6%
Machine Operators, nfd	2,488	0.7%	14.5%	Security Officers and Guards	41,480	0.6%
General Managers	2,411	0.7%	4.1%	Contract, Program and Project Administrators	41,423	0.6%
Graphic and Web Designers, and Illustrators	2,340	0.6%	6.0%	Cafe Workers	40,028	0.6%
Other Hospitality, Retail and Service Managers	2,319	0.6%	4.1%	Enrolled and Mothercraft Nurses	39,055	0.6%
Clothing Trades Workers	2,233	0.6%	40.1%	Accountants	37,711	0.5%
Bar Attendants and Baristas	2,195	0.6%	2.4%	Domestic Cleaners	36,440	0.5%
Human Resource Managers	2,071	0.6%	3.9%	Painting Trades Workers	36,130	0.5%
Building and Plumbing Labourers	2,043	0.6%	4.3%	Truck Drivers	35,555	0.5%
Product Assemblers	1,980	0.5%	10.5%	Sales Representatives	35,045	0.5%
Product Quality Controllers	1,928	0.5%	20.1%	Sports Coaches, Instructors and Officials	34,928	0.5%
Other Information and Organisation Professionals	1,903	0.5%	3.1%	Pharmacy Sales Assistants	34,650	0.5%
<b>Construction Managers</b>	<b>1,884</b>	<b>0.5%</b>	<b>1.8%</b>	Couriers and Postal Deliverers	34,624	0.5%
Transport and Despatch Clerks	1,884	0.5%	6.3%	Purchasing and Supply Logistics Clerks	33,623	0.5%
Carpenters and Joiners	1,882	0.5%	1.7%	ICT Support Technicians	33,477	0.5%

	Carbon Lifecycle	Top-Level Category		
	Carbon Lifecycle	G		
Proportion in this sub-segment vs all industries	Occupation (ANZSCO 4-digit)	Employment Number	Proportion of sub-segment (%)	Proportion in this sub-segment vs all industries
85.0%	Truck Drivers	8,206	18.4%	5.4%
94.2%	<b>Environmental Scientists</b>	<b>2,363</b>	<b>5.3%</b>	<b>12.2%</b>
92.6%	Gardeners	1,439	3.2%	2.3%
97.9%	Other Specialist Managers	1,299	2.9%	2.1%
98.0%	Forestry and Logging Workers	1,166	2.6%	62.6%
95.0%	Recycling and Rubbish Collectors	1,096	2.5%	47.1%
77.3%	Other Farm, Forestry and Garden Workers	1,060	2.4%	10.3%
79.2%	Agricultural, Forestry and Horticultural Plant Operators	989	2.2%	9.8%
52.1%	General Clerks	988	2.2%	0.4%
84.8%	Other Factory Process Workers	956	2.1%	11.6%
92.3%	Commercial Cleaners	867	1.9%	0.6%
96.5%	Other Machine Operators	839	1.9%	6.7%
93.0%	Garden and Nursery Labourers	744	1.7%	2.8%
92.6%	<b>Agricultural and Forestry Scientists</b>	<b>741</b>	<b>1.7%</b>	<b>11.7%</b>
94.6%	Handypersons	661	1.5%	2.2%
71.5%	Earthmoving Plant Operators	657	1.5%	2.0%
89.8%	Contract, Program and Project Administrators	638	1.4%	0.5%
82.7%	Office Managers	612	1.4%	0.6%
63.9%	Other Stationary Plant Operators	562	1.3%	2.7%
86.1%	Accounting Clerks	559	1.3%	0.6%
50.6%	Other Hospitality, Retail and Service Managers	524	1.2%	0.9%
97.9%	Other Sales Assistants and Salespersons	520	1.2%	5.4%
90.8%	Machine Operators, nfd	505	1.1%	2.9%
96.5%	<b>Metal Fitters and Machinists</b>	<b>498</b>	<b>1.1%</b>	<b>0.6%</b>
98.3%	<b>Production Managers</b>	<b>447</b>	<b>1.0%</b>	<b>0.8%</b>
99.4%	Advertising, Public Relations and Sales Managers	422	0.9%	0.3%
84.0%	Other Cleaners	401	0.9%	3.7%
94.9%	Other Miscellaneous Labourers	398	0.9%	0.7%
70.2%	Sales Representatives	395	0.9%	0.6%
74.2%	<b>Motor Mechanics</b>	<b>391</b>	<b>0.9%</b>	<b>0.5%</b>
63.1%	Forklift Drivers	360	0.8%	0.7%
45.3%	Accountants	352	0.8%	0.2%
96.1%	General Managers	332	0.7%	0.6%
63.1%	Inspectors and Regulatory Officers	299	0.7%	0.7%
65.5%	Labourers, nfd	295	0.7%	1.7%
43.9%	Keyboard Operators	274	0.6%	0.7%
86.6%	Fire and Emergency Workers	251	0.6%	1.7%
34.4%	Machinery Operators and Drivers, nfd	250	0.6%	2.3%
93.3%	<b>Occupational and Environmental Health Professionals</b>	<b>249</b>	<b>0.6%</b>	<b>1.0%</b>
94.7%	Animal Attendants and Trainers	247	0.6%	1.4%
24.7%	Managers, nfd	246	0.6%	0.5%
97.3%	Transport and Despatch Clerks	246	0.6%	0.8%
90.6%	Chief Executives and Managing Directors	245	0.5%	0.4%
23.4%	<b>Construction Managers</b>	<b>239</b>	<b>0.5%</b>	<b>0.2%</b>
50.1%	<b>Structural Steel and Welding Trades Workers</b>	<b>234</b>	<b>0.5%</b>	<b>0.4%</b>
88.5%	Transport Services Managers	214	0.5%	1.4%
99.3%	Bookkeepers	214	0.5%	0.3%
87.5%	Finance Managers	208	0.5%	0.4%
49.0%	Paper and Wood Processing Machine Operators	208	0.5%	4.3%
66.7%	Receptionists	207	0.5%	0.1%