

Sector / Category	Data Sources
General	
Geographical Boundary	- Local Government Boundaries: http://www.lgc.govt.nz/local-government-boundaries/
Population	- Statistics New Zealand: https://www.stats.govt.nz/topics/population
Transport Emissions	
Petrol and Diesel:	- GWRC (Andrew Ford) Andrew.Ford@gw.govt.nz - National Inventory: https://www.mfe.govt.nz/publications/climate-change/new-zealands-greenhouse-gas-inventory-2019 - On-Road Off-road Split: https://www.eeca.govt.nz/
Bus Diesel	- GWRC (Andrew Ford) Andrew.Ford@gw.govt.nz
Rail Diesel	- Kiwi Rail: Andrew.fookes@kiwirail.co.nz ,
Jet Kerosene	- The airport website https://www.nplairport.co.nz/flights/ - Flight aware website (https://flightaware.com/live/airport/NZNP/departures?offset=260;order=actualdeparture;sort=DESC) used for departures and arrivals information and aircraft models - Distances of flights: www.prokerala.com/travel/distance - Fuel burn : https://en.wikipedia.org/wiki/Fuel_economy_in_aircraft - Jake Roos: Jake.Roos@gw.govt.nz
Aviation Gas	- Z Energy estimation.
Marine Diesel	
Light Fuel Oil	- Wellington Port Activity: https://www.centreport.co.nz/ - Distances: https://sea-distances.org/ - Gross tonnage and vessel cargo: www.vesselfinder.com/vessels and www.marinetraffic.com - Energy efficiency ratings for each of the vessels (g CO ₂ per nautical mile): http://www.energyefficiencyrating.net/VesselEnviro.asp?LRNumber=9728356
LPG	- LPGA: Peter Gilbert – peter@lpga.org.nz
Bitumen	- Not calculated
Lubricants	- Not calculated
Stationary Energy Emissions	
Electricity Demand	Average demand (kWh) per ICP (Instillation Control Points) on a national level for Industry, Commercial and Residential sourced from MBIE for 2017: https://www.mbie.govt.nz/building-and-energy/energy-and-natural-resources/energy-statistics-and-modelling/energy-statistics/electricity-statistics/ Number of ICPs per sector for Wellington Region for Industrial, Commercial and Residential sectors from the Electricity Authority: https://www.emi.ea.govt.nz/Retail/Reports/H3WIHL?DateTo=20171231&MarketSegment=All&RegionType=NWK_REPORTING_REGION_DIST&Show=Count&_si=v 3
Electricity Generation	- Electricity Authority: https://emi.ea.govt.nz/r/z1le5
Electricity Consumption	- MBIE database: http://www.mbie.govt.nz/info-services/sectors-industries/energy/energy-data-modelling/statistics/electricity

Public transport electricity	<ul style="list-style-type: none"> - Kiwi Rail: Michelle Main – michelle.main@kiwirail.co.nz - WCC Bus: Andrew Ford - Andrew.Ford@gw.govt.nz
Coal Consumption	<ul style="list-style-type: none"> - Data was taken from the MBIE national Commercial, Residential and Industries consumption data base: https://www.mbie.govt.nz/building-and-energy/energy-and-natural-resources/energy-statistics-and-modelling/energy-statistics/coal-statistics/
Coal production & fugitive emissions	<ul style="list-style-type: none"> - Confirmation of no coal production in the District: https://www.nzpam.govt.nz/our-industry/nz-minerals/minerals-data/coal/
Biofuel and Wood Commercial Consumption	<ul style="list-style-type: none"> - National Inventory: https://www.mfe.govt.nz/publications/climate-change/new-zealands-greenhouse-gas-inventory-2019
Biofuel and Wood Residential consumption	
LPG Consumption	<ul style="list-style-type: none"> - LPGA: Peter Gilbert – peter@lpga.org.nz
Natural Gas Consumption	<ul style="list-style-type: none"> - Vector: Anil Dahya - Anil.Dahya@vectorams.co.nz - MBIE database: http://www.mbie.govt.nz/info-services/sectors-industries/energy/energy-data-modelling/statistics/electricity
Oil and Gas Fugitive Emissions	<p>Assets and location:</p> <ul style="list-style-type: none"> - https://www.mbie.govt.nz/assets/d7c93162b8/energy-in-nz-18.pdf - https://www.google.com/maps/d/viewer?msa=0&mid=1vumG9QV6mYJ5NHwblt8I9zuYOYk&ll=-38.99583626644662%2C174.22797107788585&z=11 <p>Production statistics:</p> <p>Oil: https://www.mbie.govt.nz/building-and-energy/energy-and-natural-resources/energy-statistics-and-modelling/energy-statistics/oil-statistics/</p> <p>Gas: https://www.mbie.govt.nz/building-and-energy/energy-and-natural-resources/energy-statistics-and-modelling/energy-statistics/oil-statistics/</p>
Biogenic Emissions	<ul style="list-style-type: none"> - National Inventory: https://www.mfe.govt.nz/publications/climate-change/new-zealands-greenhouse-gas-inventory-1990-2017
Diesel Use	<ul style="list-style-type: none"> - GWRC (Andrew Ford) Andrew.Ford@gw.govt.nz - National Inventory: https://www.mfe.govt.nz/publications/climate-change/new-zealands-greenhouse-gas-inventory-2019 - On-Road Off-road Split: https://www.eeca.govt.nz/
Petrol use	
Agricultural Emissions	
General	<ul style="list-style-type: none"> - National Inventory: https://www.mfe.govt.nz/publications/climate-change/new-zealands-greenhouse-gas-inventory-2019 - Statistics New Zealand: https://www.stats.govt.nz/information-releases/agricultural-production-statistics-june-2017-final
Solid Waste Emissions	
Open Landfills	<ul style="list-style-type: none"> - Silverstream and Wainuimata Landfill: Sandy Beath-Croft - Sandy.Beathcroft@huttcity.govt.nz

Waste Water Emissions	
Waste Water Treatment Plant	<ul style="list-style-type: none"> - Fraser Clark – fraser.clark@wellingtonwater.co.nz - L du Preez - Louis.dupreez@hvws.co.nz
Industrial Emissions	
National level data	<ul style="list-style-type: none"> - National Inventory: https://www.mfe.govt.nz/publications/climate-change/new-zealands-greenhouse-gas-inventory-2019
Forestry Emissions	
Exotic Wood harvested	<ul style="list-style-type: none"> - MPI NEFD tables: https://www.mpi.govt.nz/dmsdocument/34422-nefd-2018-online-tables-xlsx/sitemap - Stats New Zealand: https://www.stats.govt.nz/information-releases/agricultural-production-statistics-june-2018-provisional - Indigenous species: Landcare Research: Land Cover Databases Versions 1 to 4.0
Emission Factors	
Fugitive Emissions	<ul style="list-style-type: none"> - Sourced from MBIE: https://www.mbie.govt.nz/building-and-energy/energy-and-natural-resources/energy-statistics-and-modelling/energy-statistics/new-zealand-energy-sector-greenhouse-gas-emissions/ - 'Emissions data table: 'Annual emissions factors – Fugitive [CSV 1kb]
General	All emission factors have detailed source information in the calculation tables within which they are used – where possible, the most up to date, NZ specific EF have been applied.