

Inventory of your businesses GHG emissions

The inventory requires the identification of activities emitting GHGs, the emission factors for each activity, and the collection of relevant activity data e.g. litres of fuel used.

The inventory would be carried out as follows:

1. Prepare a spreadsheet template for data collection and revise accordingly with you.
 - a. This will include separating the direct emission sources (e.g. energy, livestock) from indirect emissions from manufacture of products used by your business. The purpose of this initial exercise is to develop an inventory of direct emission sources and relevant sinks, reflecting the impact on the atmosphere.
 - b. The impact of mitigating factors e.g. tree growth in shelterbelts, plantations, native revegetation will be assessed quantitatively where possible. This will also be a focus of the discussion on emission reductions and offsets as elements of mitigation.
2. Undertake a site visit to refine the parameters and undertake a “sanity check” of the data collection and required outcomes.
3. Identify the appropriate Emission Factors for each emission source, and document the basis of these:
 - a. Emission factors will be sourced from relevant and reputable sources e.g. NZ Climate Change Office
 - b. Global Warming Potentials for different GHGs will be sourced from Intergovernmental Panel on Climate Change (as used by NZ Government)
 - c. Calculations and formulae will be documented and described in the report.
 - d. Where there are options available for emission factors, these will be highlighted and agreed with you before the final inventory.
4. Complete an emissions inventory for the business using an Excel based spreadsheet for calculations.
 - a. This will be based on annual emissions data.
 - b. Emissions will be provided in CO₂-equivalent units in which all GHGs are converted based on their global warming potentials.
5. Complete an inventory report to include methods, data and results, as well as identifying options and recommendations.



activate



enable



evolve

Please contact us with regard any of the above at activate@catalystnz.co.nz