

## Key data considerations:

Users of the database are recommended to note the following:

- The latest 2016 Energy End Use Database uses the current global warming potentials (GWPs). Users should therefore be aware of this, when making time series comparisons:

Carbon Dioxide (CO<sub>2</sub>) = 1

Methane (CH<sub>4</sub>) = 25

Nitrous Oxide (N<sub>2</sub>O) = 298

- The energy related GHG emissions were calculated based on MBIE's GHG emissions factors which are national weighted averages. The GHG emissions are allocated in proportion to consumption which can overstate or understate GHG emissions from specific consumers<sup>i</sup>. This may lead to differences in reported energy-related GHG emissions between agencies, particularly in relation to electricity consumption.
- EECA is reviewing the current methodology it uses to derive estimates for energy consumption and GHG emissions. EECA is committed to continuous improvement of the quality of data it produces from the database.

---

<sup>i</sup> The detailed tables on the energy related greenhouse gas emissions factors can be downloaded from [Energy Greenhouse Gas Emissions - Ministry of Business, Innovation and Employment](#).