



# NGER SUPPLEMENTARY GUIDELINES: PUBLIC DISCLOSURE OF ADDITIONAL ENERGY CONSUMPTION DATA

## INTRODUCTION

The *National Greenhouse and Energy (NGER) Reporting Act 2007* (the NGER Act) creates an obligation for registered corporations that meet a reporting threshold to report energy consumption calculated in accordance with *NGER Regulations 2008*.

The Greenhouse and Energy Data Officer (GEDO) must publish, by 28 February in a financial year, energy consumption reported in relation to the previous financial year for the registered corporation's group where the publishing threshold is met ie the total scope 1 and scope 2 emissions reported for a registered corporation's group equals or exceeds the following:

- In 2008-09 - 125 kilotonnes
- In 2009-10 – 87.5 kilotonnes
- In 2010-11 and onwards – 50 kilotonnes.

Registered corporations can, under section 28 of the NGER Act, also request the GEDO to disclose further information reported to the GEDO under the NGER Act related to a member of the registered corporations group.

**These guidelines outline the procedure for registered corporations to request that the GEDO publicly disclose additional energy consumption data. The data is a form of “net” energy consumption, which is a subset of the energy consumption data reported in a registered corporation’s NGER report.**

## WHAT DATA IS REQUIRED TO BE REPORTED UNDER THE NGER ACT

Under the NGER legislation, registered corporations must report all greenhouse gas emissions, energy production and energy consumption from facilities over which it, or one of its group members, has operational control<sup>1</sup>. Energy production/consumption data must include energy transformations.

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<sup>1</sup> If the registered corporation meets one or more of the thresholds in section 13 of the NGER Act relating to energy production, energy consumption and greenhouse gas emissions.

It is composed of consumption of:

- Energy extracted or captured directly from nature (primary energy) e.g. coal, unprocessed natural gas, biomass, photovoltaic electricity.
- Energy that originated from outside of the facility (exogenous energy) e.g. purchased fuel, electricity from the grid.
- Energy that was produced by the facility from one or more other energy commodities (transformed energy).

The requirements are outlined in *NGER Supplementary Guidelines: energy production and consumption* (available at <http://www.climatechange.gov.au/reporting/publications>).

### **HOW DOES THIS COMPARE TO OTHER DATA SOURCES?**

NGER energy consumption data differs from a number of other measures of energy consumption used in other data collections or by corporations themselves.

The energy efficiency opportunities (EEO) program, administered by the Department of Resources Energy and Tourism, requires participating corporations to report and publicly disclose "energy used", which roughly corresponds with:

- end-use combustion.
- consumption of electricity.
- consumption of steam, compressed air and waste gases - only if exogenous.

The Australian Bureau of Agricultural and Resource Economics (ABARE) and the Australian Bureau of Statistics (ABS) require an energy consumption data set collected in accordance with NGER to annually produce energy statistics products such as ABARE's *Australian Energy Statistics: Australia's Energy Update*. Anything less than a complete NGER energy consumption data set reduces the amount of useful data available to compile the statistics.

### **PUBLICATION OF ADDITIONAL ENERGY CONSUMPTION DATA BY THE GEDO**

The GEDO will consider requests to publicly disclose an additional form of energy consumption data for a registered corporation's group on the Department of Climate Change and Energy Efficiency (DCCEE) website. This data is referred to as "total net energy consumption" and is a subset of the NGER reported data.

"Total net energy consumption" is the sum of the "net" energy consumption for each facility within a registered corporation group<sup>2</sup>.

"Net" energy consumption for a facility is composed of:

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<sup>2</sup> "net" energy under NGER should not be confused with "net calorific value" or "net heating value".

- Primary energy (as defined above); and.
- Exogenous energy (as defined above).

“Net” energy consumption does not include transformed energy. See **Attachment A** for examples of calculations of facility “net” energy consumption and a registered corporation’s group “total net energy consumption”.

In 2011, the additional data would be publicly disclosed as soon as possible after the required publication of NGER data by the GEDO on 28 February. In later years, the data would be published at the same time.

It is greenhouse and energy information under section 7 of the NGER Act and would therefore be subject to the NGER legislation along with data reported in the corporation’s NGER report.

### **MAKING THE REQUEST**

Requests in relation to reporting years 2008-09 and 2009-10 will be considered and must be submitted using the attached form, “Request for publication of “net” energy consumption under NGER Act 2007” (copy attached).

### **FURTHER INFORMATION**

Visit: <http://www.climatechange.gov.au/reporting/>

Email: reporting@climatechange.gov.au

Phone: 1800 018 831 during standard business hours (AEDT)



Figure 2 compares total NGER reportable energy consumption and total NGER net energy consumption for a Registered Corporation Group.

Figure 2 - Sample calculation of Registered Corporation Group's total "net" energy consumption		
Facilities of Registered Corporation Group	NGER reported energy consumption (GJ)	NGER "net" energy consumption (GJ)
Facility 1 <sup>3</sup>	1860	1000
Facility 2 <sup>4</sup>	2000	500
Facility 3 <sup>4</sup>	4500	2500
Totals	<b>8360</b>	<b>4000</b>
	↑	↑
	<b>Total Registered Corporation Group NGER reported energy consumption.</b> <b>The GEDO must publicly disclose this figure.</b>	<b>Total Registered Corporation Group NGER "net" energy consumption.</b> <b>Registered corporations can request the GEDO to additionally publicly disclose this figure.</b>

<sup>3</sup> sample calculations of energy consumption for this facility are included in Figure 1.

<sup>4</sup> sample calculations of energy consumption for this facility are not included in this document.