National Greenhouse and Energy Reporting (Measurement) Amendment (2019 Update) Determination 2019

I, Angus Taylor, Minister for Energy and Emissions Reduction, make the following legislative instrument.

Dated 28 June 2019

Angus Taylor
Minister for Energy and Emissions Reduction

Contents

1 Name

This instrument is the *National Greenhouse and Energy Reporting (Measurement) Amendment (2019 Update) Determination 2019*.

2 Commencement

(1) Each provision of this instrument specified in column 1 of the table commences, or is taken to have commenced, in accordance with column 2 of the table. Any other statement in column 2 has effect according to its terms.

Commencement information		
Column 1	**Column 2**	**Column 3**
Provisions	**Commencement**	**Date/Details**
1. The whole of this instrument	1 July 2019.	1 July 2019

Note: This table relates only to the provisions of this instrument as originally made. It will not be amended to deal with any later amendments of this instrument.

(2) Any information in column 3 of the table is not part of this instrument. Information may be inserted in this column, or information in it may be edited, in any published version of this instrument.

3 Authority

This instrument is made under subsection 10(3) of the *National Greenhouse and Energy Reporting Act 2007.*

4 Schedules

Each instrument that is specified in a Schedule to this instrument is amended or repealed as set out in the applicable items in the Schedule concerned, and any other item in a Schedule to this instrument has effect according to its terms.

Schedule 1—Amendments of the *National Greenhouse and Energy Reporting (Measurement) Determination 2008*

[1] Section 3.79

Repeal the section, substitute:

3.79 Available methods

(1) Subject to section 1.18 and subsections (2) and (3), one of the following methods must be used for estimating fugitive emissions (other than emissions that are flared) of each gas type, being carbon dioxide and methane, released during a year from the operation of a facility that is constituted by natural gas distribution through a system of pipelines:

(a) method 1 under section 3.80;

(b) method 2 under section 3.81;

(c) method 3 under section 3.81A.

Note: There is no method 4 for this Division.

(2) However, for incidental emissions another method may be used that is consistent with the principles in section 1.13.

(3) Method 3 may only be used if the percentage of unaccounted for gas for a facility is calculated or determined during a reporting year in accordance with gas market rules or procedures applicable to the facility.

Note: A percentage of unaccounted for gas is generally worked out under procedures made by the Australian Energy Market Operator and available on their website: www.aemo.com.au

[2] After section 3.81

Insert:

3.81A Method 3—natural gas distribution

(1) Method 3 is:

$$E_{jp} = S_p \times \%UAG_p \times 0.55 \times C_{jp}$$

where:

E_{jp} is the fugitive emissions (other than emissions that are flared) of gas type (***j***) that result from natural gas distribution through a system of pipelines with sales of gas in a State or Territory (***p***) during the year, measured in CO_2-e tonnes.

S_p is the total sales during the year from the pipeline system in a State or Territory (***p***), measured in terajoules.

%UAG$_p$ is the percentage of unaccounted for gas in the pipeline system in a State or Territory (***p***), relative to the amount of gas issued annually by gas utilities to that system.

C$_{jp}$ is the natural gas composition factor for gas type (***j***) for the natural gas supplied from the pipeline system in a State or Territory (***p***), measured in CO_2-e tonnes per terajoule.

(2) For ***%UAG***$_p$ in subsection (1):

(a) if at the time of reporting the percentage of unaccounted for gas for the reporting year has been calculated or determined in accordance with gas market rules or procedures applicable to the facility—the percentage calculated or determined in accordance with those rules or procedures; or

(b) if at the time of reporting the percentage of unaccounted for gas for the reporting year has not been calculated or determined in accordance with gas market rules or procedures applicable to the facility—the percentage applicable to the most recent 12 month period for which the percentage of unaccounted for gas has been calculated or determined.

(3) For ***C***$_{jp}$ in subsection (1), columns 3 and 4 of an item in the following table specify the natural gas composition factor for carbon dioxide and methane for a pipeline system in a State or Territory specified in column 2.

Item	State	Natural gas composition factor (a)(tonnes $CO_{2\text{-}e}$/TJ)	
		CO_2	CH_4
1	NSW and ACT	0.8	390
2	VIC	0.9	388
3	QLD	0.8	377
4	WA	1.1	364
5	SA	0.8	390
6	TAS	0.9	388
7	NT	0.0	314

[3] After section 9.11

Insert:

9.12 Amendments made by the *National Greenhouse and Energy Reporting (Measurement) Amendment (2019 Update) Determination 2019*

The amendments made by the *National Greenhouse and Energy Reporting (Measurement) Amendment (2019 Update) Determination 2019* apply in relation to:

(a) the financial year starting on 1 July 2019; and

(b) later financial years.

[4] Part 6 of Schedule 1

Repeal the Part, substitute:

Part 6—Indirect (scope 2) emission factors from consumption of electricity purchased or lost from grid

Indirect (scope 2) emissions factors from consumption of electricity purchased or lost from grid		
Item	**Column 1** **State, Territory or grid description**	**Column 2** **Emission factor** **kg CO_2-e/kWh**
77	New South Wales and Australian Capital Territory	0.81
78	Victoria	1.02
79	Queensland	0.81
80	South Australia	0.44
81	South West Interconnected System in Western Australia	0.69
82	Tasmania	0.15
83	Northern Territory	0.63