

TO: Customers, Service Providers, Electrical Contractors and EnergyAustralia Staff

## Amendments to ES 1 *Customer Connection Information, January* 2007

### Description

This Customer Installations Advice (CIA) introduces the new location for the EnergyAustralia Customer Operation Office for the Central Coast of NSW, changes to the management of the NSW Accreditation Scheme and additional information regarding embedded generators / inverter systems.

### Amendments to ES1.

On page 1, clause 1 Introduction, in the second paragraph please Department of Energy Utilities and Sustainability (DEUS) with the following:

Department of Water and Energy (DWE).

On page 2, clause 2.1 Network connection enquiries, please delete the contact details for the "ERINA" Customer Operations office and replace with the following:

#### **TUGGERAH**

Connections in the NSW Central Coast Area.

Office Location: Unit 1, 14 Pioneer Ave, Tuggerah.

Postal Address: PO Box 3744, Tuggerah NSW 2259

Office Hours: 8.00 am to 4.30 pm (Monday to Friday)

#### **Contact Details**

Customer Connection enquiries (02) 4399 8522

General Facsimile (not Forms) (02) 4399 8747

Facsimile for all AFC's, CCEW's and NOSW's (02) 4399 8007

Email (electronic or scanned forms) ea.datanorth@energy.com.au

On page 4, clause 3.1 Contestability, in the third paragraph please Department of Energy Utilities and Sustainability (DEUS) with the following:

Office of Fair Trading (OFT).

On page 8, clause 4.2 Details required on the Application for Connection form replace the second dot point under the heading "service connection, demand and load details" with the following:

- Overhead, underground, overhead to underground (UGOH), pole substation connection or embedded generator / inverter 'buy-back' systems.

On page 9, clause 4.3 Supplementary Application for Connection, form replace the following dot point starting with "embedded generator connections":

- embedded generator connections / inverter 'buy-back' systems. See clause 4.5 for further details.

On page 10, add the following clause:

#### 4.5 Embedded generator – Inverter “buy-back” systems

Customers may install an embedded generator / inverter “buy-back” system to their installation for the purpose of generating electricity for use within their installation and feeding any excess electricity back into EnergyAustralia’s network.

For the purposes of this document inverter “buy-back” systems are installations with small scale parallel customer generation capabilities of up to 10kVA per phase. This generation capability is normally achieved through the utilisation of a solar photovoltaic (PV) arrays and an associated inverter. Embedded generators are large scale dedicated generation systems of over 10kVA per phase and normally consist of turbines powered from, such sources as large scale wind or solar farms, hydro, gas or other fuel powered generator systems.

The following information must be supplied for all applications for any installations with small scale parallel customer generation capabilities:

- Full details of the generation system including manufacturer, model number and all electrical specifications of the output of the generation system.
- A NSW OFT (or other state equivalent) certificate of suitability for the inverter;
- A full description of all proposed protection equipment to be installed;
- A single line schematic diagram of the proposed inverter “buy-back” system installation.

For installations greater than 10kVA per phase an AFC and a supplementary AFC (see appendix A) must be submitted to EnergyAustralia. For each application for these types of installations, a generator connection agreement must be entered into. Further information regarding these generator connection agreements is available for our local Customer Operations offices or from our website.

The customer should contact their electricity retailer regarding the availability and conditions of any “buy-back” tariff that may be available.

**Note:** See clause 8.1 regarding mandatory inspection of any embedded generator / inverter “buy-back” systems **prior** to energisation and connection to the customers installation.

On page 10, clause 4.5 EnergyAustralia’s response to the application, please delete the second paragraph please starting with “EnergyAustralia’s contracting division;.....” with the following:

A full list of accredited service providers can be obtained from the Office of Fair Trading (OFT) phone (02) 9595 0008 or from their website [www.fairtrading.nsw.gov.au](http://www.fairtrading.nsw.gov.au).

On page 11, clause 4.6 Site Establishment Fee (SEF), please re-number clause to 4.7.

On page 12, clause 4.7 Application for supply, please re-number clause to 4.8.

On page 20, clause 8.1 Work requiring an inspection prior to energising, add the following dot point:

- Embedded generators / inverter ‘buy-back’ systems.

On page 21, clause 8.2 Inspection of electrical installation work, delete the following dot point:

- embedded generators and grid connected 'buy-back' installations.

On page 24, clause 11.3 (b) and (c) Reporting and follow up, please delete the reference to the Department of Energy Utilities and Sustainability (DEUS).

On page 28, clause 13.4 (a) Arbitration, please replace the reference to Department of Energy Utilities and Sustainability and DEUS with the following:

Office of Fair Trading and (OFT).

On the third page of ES1, please replace the existing EnergyAustralia geographical area map with the following:



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