

Appendix E

Reference Services

Revised proposed access arrangement

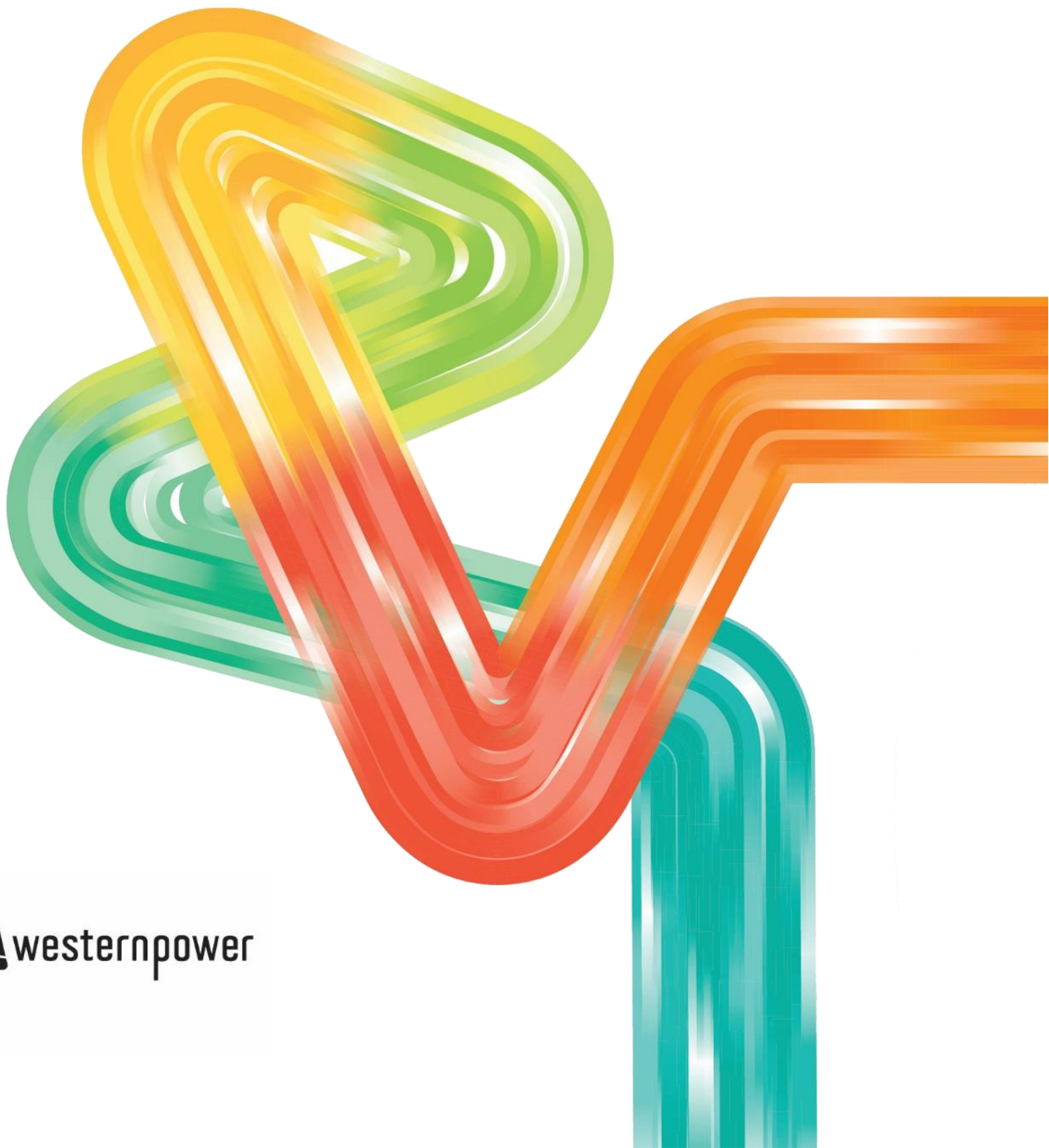
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Access arrangement for the period
1 July 2017 to 30 June 2022

Appendix E - Reference Services

14 June 2018



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Appendix E - Reference Services

Western Power

363 Wellington Street

Perth WA 6000

GPO Box L921 Perth WA 6842

T: 13 10 87 | Fax: 08 9225 2660

TTY 1800 13 13 51 | TIS 13 14 50

Electricity Networks Corporation

ABN 18 540 492 861

enquiry@westernpower.com.au

westernpower.com.au

Enquiries about this report should be directed to:

AA4 Project Team

Email: aa4@westernpower.com.au

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1. Introduction

This document describes Western Power's *reference services*.

1.1 Definitions

In this Appendix (including the Annexure), where a word or phrase is *italicised* it has the definition given to the word or phrase below, in the *access arrangement* or in section 1.3 of the *Code*, unless the context otherwise requires.

"AA4 effective date" means the date in section 1.3.1 of the *access arrangement*.

"accumulated energy data" has the meaning given to it in the *Metering Code*.

"accumulation meter" has the meaning given to it in the *Metering Code*.

"AMI Meter (connected)" means a *meter*, connected to a telecommunications network, with capability activated for two-way communication between the *meter* and Western Power, configured for the upload and download of data and commands, and provision of advanced metering services, from a remote locality.

"AMI Meter (not connected)" means a *meter*, not yet connected to a telecommunications network, with capability for two-way communication between the *meter* and Western Power, configured for the upload and download of data and commands, and provision of advanced metering services, from a remote locality.

"bi-directional point" has the meaning given to 'bidirectional point' in the *applications and queuing policy*.

"bi-directional service" means a *covered service* provided by Western Power at a *bi-directional point* under which the *user* may transfer electricity into and out of the *Western Power Network* at the *bi-directional point*.

"connection service" has the meaning given to it in the *Code* and also includes a right to connect *facilities and equipment* at a *bi-directional point*.

"energy data" has the meaning given to it in the *Metering Code*.

"interval energy data" has the meaning given to it in the *Metering Code*.

"interval meter" has the meaning given to it in the *Metering Code* (but does not include an *AMI Meter (connected)* or an *AMI Meter (not connected)*).

"interval meter (bi-directional)" means an *interval meter* capable of measuring the transfer of electricity into and out of the *Western Power Network*.

"interval meter (uni-directional)" means an *interval meter* capable of measuring the transfer of electricity into, or out of, the *Western Power Network* but not both.

"minimum meter" means:

- a. if throughput at the connection point is less than 50MWh/a, an *accumulation meter* or an *AMI Meter (connected)* or an *AMI Meter (not connected)*; or
- b. if throughput at the *connection point* is equal to or greater than 50MWh/a —

- (i) where the *metering installation* does not require a *transformer*, an *AMI Meter (connected)* or an *AMI Meter (not connected)*; and
- (ii) where the *metering installation* requires a *transformer*, an *interval meter*.

“meter” has the meaning given to it in the *Metering Code*.

“Metering Code” means the *Electricity Industry (Metering) Code 2012*.

“metering installation” has the meaning given to it in the *Metering Code*.

“metering instruments” means the *Metering Code* and the documents made under Part 6 of the *Metering Code*.

“metering point” means for a *connection point* without a *meter*, the *connection point* and, for a *connection point* with a *meter*, the point at which that *meter* measures electricity production or consumption for the *connection point*.

“metering service” has the meaning given to it in the *Metering Code*.

“MSLA” means the model service level agreement approved by the *Authority* under the *Metering Code* (which as at the *AA4 effective date* is the version dated March 2006).

“non-residential premises” means premises that are not *residential premises*.

“residential premises” means:

- a. premises where the electricity supply is solely for residential purposes;
- b. where the electricity supply is to premises used for both residential and other purposes, that part of the premises used solely for residential purposes if that part is independently supplied and separately metered; or
- c. premises used for both residential and other purposes where the circuit wiring is not separate provided that Western Power determines, as a *reasonable and prudent person*, that the consumption at the premises is, or will be, less than 20,000 kWh per annum.

“service level agreement” has the meaning given to it in the *Metering Code*.

“small use customer” has the meaning given to ‘customer’ in the *Code of Conduct For The Supply Of Electricity To Small Use Customers 2018*.

“standard metering service” has the meaning given to it in the *MSLA* and is the *metering service* relevant to the *reference service*.

“transformer” has the meaning given to it in the *Metering Code*.

“voluntary/charitable organisation” means a consumer who is, or is to be, a *small use customer* and:

- a. who meets all of the following conditions:
 - (i) is a direct *small use customer* of the *user*;
 - (ii) is a voluntary, non-profit making organisation;
 - (iii) is endorsed as exempt from income tax under the *Income Tax Assessment Act 1997* (Commonwealth) Subdivision 50-B;
 - (iv) provides a public service, which is available to any member of the public without discrimination;

- (v) is not a Commonwealth, State or local government department, instrumentality or agency; and
- (vi) does not receive the major part of its funding from any organisation mentioned in subparagraph (v); or
- b. is a charitable or benevolent organisation providing residential accommodation other than for commercial gain.

“**WA Electrical Requirements**” has the meaning given to ‘WA Electrical Requirements’ in the *Electricity (Licensing) Regulations 1991*.

1.2 Interpretation

Unless the contrary intention is apparent:

- 1.1 a rule of interpretation in the *Code*; and
- 1.2 the *Interpretation Act 1984*,

apply to the interpretation of this Appendix (including the Annexure).

For the avoidance of doubt, a reference to each of the instruments referred to in the definitions and to an applicable price list includes any amendment or replacement of it that is for the time being in force, and includes all instruments made under it from time to time.

1.3 Relationship to the *metering instruments*

The *written laws* that regulate the measurement of electricity and the provision of *metering services* are the *metering instruments*, including the *MSLA*.

Many *reference services* in this Appendix are described as including a *standard metering service*. The *MSLA* is the *written law* which regulates *standard metering services*.

However, to assist understanding this Appendix an Annexure has been included as a guide to the *standard metering services* relevant to a *reference service*. The guide is not a complete handbook to *standard metering services*; relevant information for a *standard metering service* in addition to the guide (for example the service standard) is in the *MSLA*.

It is anticipated that the 2006 version of the *MSLA* will be replaced. If a new model service level agreement is approved, the *standard metering services* relevant to the *reference service* will be as set out in that model service level agreement (to the exclusion of the Annexure). After that time, no reliance should be placed on the Annexure.

To the extent of any inconsistency between the Annexure and the *metering instruments*, the *metering instruments* will prevail.

There is no charge to *users* for *standard metering services* in addition to the applicable *reference tariff* for the relevant *reference service*. For any other *metering service* an additional charge is payable in accordance with the *metering instruments*.

The terms and conditions under which *standard metering services* are provided are set out in a service level agreement (as defined in the *Metering Code*) between the *user* and Western Power.

1.4 Eligibility criteria

In each table in this Appendix, for each *reference service*, eligibility criteria are stated. These are the conditions which must be satisfied in order to receive the *reference service*. They are not, and should not be read as, conditions a *user* is entitled to from Western Power.

For *reference services* A1 – A4 and C1 – C4, the eligibility criteria include that a *minimum meter* is installed at the *metering point*. There are a number of different *meters* that fall within the description of *minimum meter*, and so a number of different *meters* that, when installed, can meet the eligibility criteria.

The eligibility criteria do not determine which *meter* is installed at a *metering point* or provide a choice to a *user* as to which *meter* will be installed. The *meter* that is installed at a *metering point* will be the *meter* comprised in the *standard metering service*. In the Annexure, for a *reference service* set out in column one of the table in that Annexure, the *standard metering service* is the provision of the *meter* described in the column marked 'Meter'.

1.5 Transitional

The reference number for a *reference service* is the number and letter used to describe that *reference service* (being A1 to A11, B1, B2, C1, C2, C3 and C4).

Each *reference service* described in parts 2, 3 and 4 of this appendix E – Reference Services is materially the same (as that term is used in clause 7.1(c) of *Standard Access Contract* (termed the Electricity Transfer Access Contract)) as the *reference service* described in parts 2, 3 and 4 of Appendix E of the previous *access arrangement* which has the same reference number as that AA4 *reference service*.

2. Reference Services (Exit Services)

Western Power offers 11 *exit services* as *reference services*.

Reference Service Name:	Reference Service A1 – Anytime Energy (Residential) Exit Service
Reference Service Description:	An <i>exit service</i> combined with a <i>connection service</i> and a <i>standard metering service</i> at an <i>exit point</i> on the low voltage (415 volts or less) <i>distribution system</i> .
Eligibility Criteria:	<p><i>Users</i> are eligible to use this <i>service</i> if:</p> <ol style="list-style-type: none"> 1. The <i>exit point</i> is located at <i>residential premises</i> or premises occupied by a <i>voluntary/charitable organisation</i>; and 2. A <i>minimum meter</i> is installed at the <i>metering point</i>; and 3. The <i>meter</i> is configured to measure the transfer of electricity out of the <i>Western Power Network</i>; and 4. The <i>consumer's facilities and equipment</i> comply with the <i>technical rules</i>, the <i>WA Electrical Requirements</i> and AS 3000; and 5. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The terms and conditions of the <i>access contract</i> under which the <i>service</i> will be provided are materially different to the Applicable Standard Access Contract for this <i>service</i>; b. The <i>tariff</i> that determines the <i>charge</i> is different to the Applicable Reference Tariff for this <i>service</i>; or c. The <i>user</i> is to receive delivered electricity at a <i>service standard</i> different to the Applicable Service Standard Benchmarks for this <i>service</i>.
Applicable Reference Tariff:	"RT1" in the applicable <i>Price List</i> published in Appendix F of the <i>access arrangement</i> .
Applicable Standard Access Contract:	"Electricity Transfer Access Contract" published in Appendix A of the <i>access arrangement</i> .
Applicable Service Standard Benchmarks:	As set out in section 4.2 of the <i>access arrangement</i> .

Reference Service Name:	Reference Service A2 – Anytime Energy (Business) Exit Service
Reference Service Description:	An <i>exit service</i> combined with a <i>connection service</i> and a <i>standard metering service</i> at an <i>exit point</i> on the low voltage (415 volts or less) <i>distribution system</i> .
Eligibility Criteria:	<p><i>Users</i> are eligible to use this <i>service</i> if:</p> <ol style="list-style-type: none"> 1. The <i>exit point</i> is located at <i>non-residential premises</i>; and 2. The maximum demand at the <i>exit point</i> is: <ol style="list-style-type: none"> a. less than 1,500 kVA based on historic metering data; or b. Western Power determines, as a <i>reasonable and prudent person</i>, that the <i>user's</i> forecast maximum demand will be less than 1,500 kVA; and 3. A <i>minimum meter</i> is installed at the <i>metering point</i>; and 4. The <i>meter</i> is configured to measure the transfer of electricity out of the <i>Western Power Network</i>; and 5. The <i>consumer's facilities and equipment</i> comply with the <i>technical rules</i>, the <i>WA Electrical Requirements</i> and AS 3000; and 6. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The terms and conditions of the <i>access contract</i> under which the <i>service</i> will be provided are materially different to the Applicable Standard Access Contract for this <i>service</i>; b. The <i>tariff</i> that determines the <i>charge</i> is different to the Applicable Reference Tariff for this <i>service</i>; or c. The <i>user</i> is to receive delivered electricity at a <i>service standard</i> different to the Applicable Service Standard Benchmarks for this <i>service</i>.
Applicable Reference Tariff:	"RT2" in the applicable <i>Price List</i> published in Appendix F of the <i>access arrangement</i> .
Applicable Standard Access Contract:	"Electricity Transfer Access Contract" published in Appendix A of the <i>access arrangement</i> .
Applicable Service Standard Benchmarks:	As set out in section 4.2 of the <i>access arrangement</i> .

Reference Service Name:	Reference Service A3 – Time of Use Energy (Residential) Exit Service
Reference Service Description:	An <i>exit service</i> combined with a <i>connection service</i> and a <i>standard metering service</i> at an <i>exit point</i> on the low voltage (415 volts or less) <i>distribution system</i> .
Eligibility Criteria:	<p><i>Users</i> are eligible to use this <i>service</i> if:</p> <ol style="list-style-type: none"> 1. The <i>exit point</i> is located at <i>residential premises</i> or premises occupied by a <i>voluntary/charitable organisation</i>; and 2. A <i>minimum meter</i> is installed at the <i>metering point</i>; and 3. The <i>meter</i> is configured to measure the transfer of electricity out of the <i>Western Power Network</i>; and 4. This A3 – Time of Use Energy (Residential) Exit Service: <ol style="list-style-type: none"> a. was provided at the <i>connection point</i> as at the <i>AA4 effective date</i>; and b. has continued to be provided at the <i>connection point</i> from the <i>AA4 effective date</i>; and 5. The <i>consumer's facilities and equipment</i> comply with the <i>technical rules</i>, the <i>WA Electrical Requirements</i> and AS 3000; and 6. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The terms and conditions of the <i>access contract</i> under which the <i>service</i> will be provided are materially different to the Applicable Standard Access Contract for this <i>service</i>; b. The <i>tariff</i> that determines the <i>charge</i> is different to the Applicable Reference Tariff for this <i>service</i>; or c. The <i>user</i> is to receive delivered electricity at a <i>service standard</i> different to the Applicable Service Standard Benchmarks for this <i>service</i>.
Applicable Reference Tariff:	"RT3" in the applicable <i>Price List</i> published in Appendix F of the <i>access arrangement</i> .
Applicable Standard Access Contract:	"Electricity Transfer Access Contract" published in Appendix A of the <i>access arrangement</i> .
Applicable Service Standard Benchmarks:	As set out in section 4.2 of the <i>access arrangement</i> .

Reference Service Name:	Reference Service A4 – Time of Use Energy (Business) Exit Service
Reference Service Description:	An <i>exit service</i> combined with a <i>connection service</i> and a <i>standard metering service</i> at an <i>exit point</i> on the low voltage (415 volts or less) <i>distribution system</i> .
Eligibility Criteria:	<p><i>Users</i> are eligible to use this <i>service</i> if:</p> <ol style="list-style-type: none"> 1. The <i>exit point</i> is located at <i>non-residential premises</i>; and 2. The maximum demand at the <i>exit point</i> is: <ol style="list-style-type: none"> a. less than 1,500 kVA based on historic metering data; or b. Western Power determines, as a reasonable and prudent person, that the <i>user's</i> forecast maximum demand will be less than 1,500 kVA; and 3. A <i>minimum meter</i> is installed at the <i>metering point</i>; and 4. The <i>meter</i> is configured to measure the transfer of electricity out of the <i>Western Power Network</i>; and 5. This A4 – Time of Use Energy (Business) Exit Service: <ol style="list-style-type: none"> a. was provided at the <i>connection point</i> as at the <i>AA4 effective date</i>; and b. has continued to be provided at the <i>connection point</i> from the <i>AA4 effective date</i>; and 6. The <i>consumer's facilities and equipment</i> comply with the <i>technical rules</i>, the <i>WA Electrical Requirements</i> and AS 3000; and 7. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The terms and conditions of the <i>access contract</i> under which the <i>service</i> will be provided are materially different to the Applicable Standard Access Contract for this <i>service</i>; b. The <i>tariff</i> that determines the <i>charge</i> is different to the Applicable Reference Tariff for this <i>service</i>; or c. The <i>user</i> is to receive delivered electricity at a <i>service standard</i> different to the Applicable Service Standard Benchmarks for this <i>service</i>.
Applicable Reference Tariff:	"RT4" in the applicable <i>Price List</i> published in Appendix F of the <i>access arrangement</i> .
Applicable Standard Access Contract:	"Electricity Transfer Access Contract" published in Appendix A of the <i>access arrangement</i> .
Applicable Service Standard Benchmarks:	As set out in section 4.2 of the <i>access arrangement</i> .

Reference Service Name:	Reference Service A5 – High Voltage Metered Demand Exit Service
Reference Service Description:	An <i>exit service</i> combined with a <i>connection service</i> and a <i>standard metering service</i> at an <i>exit point</i> on the high voltage (6.6 kV or higher) <i>distribution system</i> .
Eligibility Criteria:	<p><i>Users</i> are eligible to use this <i>service</i> if:</p> <ol style="list-style-type: none"> 1. The <i>exit point</i> is located at <i>non-residential premises</i>; and 2. The maximum demand at the <i>exit point</i> is: <ol style="list-style-type: none"> a. less than 1,500 kVA based on historic metering data; or b. Western Power determines, as a <i>reasonable and prudent person</i>, that the <i>user's</i> forecast maximum demand will be less than 1,500 kVA; and 3. An <i>interval meter (uni-directional)</i> is installed at the <i>metering point</i>; and 4. The <i>meter</i> is configured to measure the transfer of electricity out of the <i>Western Power Network</i>; and 5. The <i>consumer's facilities and equipment</i> comply with the <i>technical rules</i>, the <i>WA Electrical Requirements</i> and AS 3000; and 6. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The terms and conditions of the <i>access contract</i> under which the <i>service</i> will be provided are materially different to the Applicable Standard Access Contract for this <i>service</i>; b. The <i>tariff</i> that determines the <i>charge</i> is different to the Applicable Reference Tariff for this <i>service</i>; or c. The <i>user</i> is to receive delivered electricity at a <i>service standard</i> different to the Applicable Service Standard Benchmarks for this <i>service</i>.
Applicable Reference Tariff:	"RT5" in the <i>Price List</i> published in Appendix F of the <i>access arrangement</i> .
Applicable Standard Access Contract:	"Electricity Transfer Access Contract" published in Appendix A of the <i>access arrangement</i> .
Applicable Service Standard Benchmarks:	As set out in section 4.2 of the <i>access arrangement</i> .

Reference Service Name:	Reference Service A6 – Low Voltage Metered Demand Exit Service
Reference Service Description:	An <i>exit service</i> combined with a <i>connection service</i> and a <i>standard metering service</i> at an <i>exit point</i> on the low voltage (415 volts or less) <i>distribution system</i> .
Eligibility Criteria:	<p><i>Users</i> are eligible to use this <i>service</i> if:</p> <ol style="list-style-type: none"> 1. The <i>exit point</i> is located at <i>non-residential premises</i>; and 2. The maximum demand at the <i>exit point</i> is: <ol style="list-style-type: none"> a. less than 1,500 kVA based on historic metering data; or b. Western Power determines, as a reasonable and prudent person, that the <i>user's</i> forecast maximum demand will be less than 1,500 kVA; and 3. An <i>interval meter (uni-directional)</i> is installed at the <i>metering point</i>; and 4. The <i>meter</i> is configured to measure the transfer of electricity out of the <i>Western Power Network</i>; and 5. The <i>consumer's facilities and equipment</i> comply with the <i>technical rules</i>, the <i>WA Electrical Requirements</i> and AS 3000; and 6. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The terms and conditions of the <i>access contract</i> under which the <i>service</i> will be provided are materially different to the Applicable Standard Access Contract for this <i>service</i>; b. The <i>tariff</i> that determines the <i>charge</i> is different to the Applicable Reference Tariff for this <i>service</i>; or c. The <i>user</i> is to receive delivered electricity at a <i>service standard</i> different to the Applicable Service Standard Benchmarks for this <i>service</i>.
Applicable Reference Tariff:	"RT6" in the applicable <i>Price List</i> published in Appendix F of the <i>access arrangement</i> .
Applicable Standard Access Contract:	"Electricity Transfer Access Contract" published in Appendix A of the <i>access arrangement</i> .
Applicable Service Standard Benchmarks:	As set out in section 4.2 of the <i>access arrangement</i> .

Reference Service Name:	Reference Service A7 – High Voltage Contract Maximum Demand Exit Service
Reference Service Description:	An <i>exit service</i> combined with a <i>connection service</i> and a <i>standard metering service</i> at an <i>exit point</i> on the high voltage (6.6 kV or higher) <i>distribution system</i> .
Eligibility Criteria:	<p><i>Users</i> are eligible to use this <i>service</i> if:</p> <ol style="list-style-type: none"> 1. The <i>exit point</i> is located at <i>non-residential premises</i>; and 2. The contracted maximum demand at the <i>exit point</i> is greater than 1,000 kVA; and 3. An <i>interval meter (uni-directional)</i> is installed at the <i>metering point</i>; and 4. The <i>meter</i> is configured to measure the transfer of electricity out of the <i>Western Power Network</i>; and 5. The <i>consumer's facilities and equipment</i> comply with the <i>technical rules</i>, the <i>WA Electrical Requirements</i> and AS 3000; and 6. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The terms and conditions of the <i>access contract</i> under which the <i>service</i> will be provided are materially different to the Applicable Standard Access Contract for this <i>service</i>; b. The <i>tariff</i> that determines the <i>charge</i> is different to the Applicable Reference Tariff for this <i>service</i>; or c. The <i>user</i> is to receive delivered electricity at a <i>service standard</i> different to the Applicable Service Standard Benchmarks for this <i>service</i>.
Applicable Reference Tariff:	"RT7" in the applicable <i>Price List</i> published in Appendix F of the <i>access arrangement</i> .
Applicable Standard Access Contract:	"Electricity Transfer Access Contract" published in Appendix A of the <i>access arrangement</i> .
Applicable Service Standard Benchmarks:	As set out in section 4.2 of the <i>access arrangement</i> .

Reference Service Name:	Reference Service A8 – Low Voltage Contract Maximum Demand Exit Service
Reference Service Description:	An <i>exit service</i> combined with a <i>connection service</i> and a <i>standard metering service</i> at an <i>exit point</i> on the low voltage (415 volts or less) <i>distribution system</i> .
Eligibility Criteria:	<p><i>Users</i> are eligible to use this <i>service</i> if:</p> <ol style="list-style-type: none"> 1. The <i>exit point</i> is located at <i>non-residential premises</i>; and 2. The contracted maximum demand at the <i>exit point</i> is greater than 1,000 kVA; and 3. An <i>interval meter (uni-directional)</i> is installed at the <i>metering point</i>; and 4. The <i>meter</i> is configured to measure the transfer of electricity out of the <i>Western Power Network</i>; and 5. The <i>consumer's facilities and equipment</i> comply with the <i>technical rules</i>, the <i>WA Electrical Requirements</i> and AS 3000; and 6. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The terms and conditions of the <i>access contract</i> under which the <i>service</i> will be provided are materially different to the Applicable Standard Access Contract for this <i>service</i>; b. The <i>tariff</i> that determines the <i>charge</i> is different to the Applicable Reference Tariff for this <i>service</i>; or c. The <i>user</i> is to receive delivered electricity at a <i>service standard</i> different to the Applicable Service Standard Benchmarks for this <i>service</i>.
Applicable Reference Tariff:	"RT8" in the applicable <i>Price List</i> published in Appendix F of the <i>access arrangement</i> .
Applicable Standard Access Contract:	"Electricity Transfer Access Contract" published in Appendix A of the <i>access arrangement</i> .
Applicable Service Standard Benchmarks:	As set out in section 4.2 of the <i>access arrangement</i> .

Reference Service Name:	Reference Service A9 – Streetlighting Exit Service
Reference Service Description:	An <i>exit service</i> combined with a <i>connection service</i> at an <i>exit point</i> on the low voltage (415 volts or less) <i>distribution system</i> for the purpose of public street lighting, plus the service of the provision and maintenance of the streetlight.
Eligibility Criteria:	<ol style="list-style-type: none"> 1. <i>Users</i> are eligible to use this <i>service</i> if the streetlight is a Western Power streetlight; and 2. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The terms and conditions of the <i>access contract</i> under which the <i>service</i> will be provided are materially different to the Applicable Standard Access Contract for this <i>service</i>; b. The <i>tariff</i> that determines the <i>charge</i> is different to the Applicable Reference Tariff for this <i>service</i>; or c. The <i>user</i> is to receive delivered electricity at a <i>service standard</i> different to the Applicable Service Standard Benchmarks for this <i>service</i>.
Applicable Reference Tariff:	“RT9” in the applicable <i>Price List</i> published in Appendix F of the <i>access arrangement</i> .
Applicable Standard Access Contract:	“Electricity Transfer Access Contract” published in Appendix A of the <i>access arrangement</i> .
Applicable Service Standard Benchmarks:	As set out in sections 4.2 and 4.4 of the <i>access arrangement</i> .

Reference Service Name:	Reference Service A10 –Unmetered Supplies Exit Service
Reference Service Description:	An <i>exit service</i> combined with a <i>connection service</i> at an <i>exit point</i> on the low voltage (415 volts or less) <i>distribution system</i> .
Eligibility Criteria:	<p><i>Users</i> are eligible to use this <i>service</i> if:</p> <ol style="list-style-type: none"> 1. The <i>exit point</i> is located on public land; and 2. The maximum <i>load</i> at the <i>exit point</i> is not subject to <i>user</i> or <i>consumer</i> controlled variations in duration of usage; and 3. Western Power, as a <i>reasonable and prudent person</i>, forecasts the maximum <i>load</i> at the <i>exit point</i> to be less than 1 kW single-phase except for streetlights, traffic lights, rail crossings, and pedestrian lighting where the <i>consumer</i> is a road or local government authority, then the maximum <i>load</i> at the <i>exit point</i> is less than 4.8 kW single phase; and 4. Metering is not practicable due to the nature or location of the <i>exit point</i> and/or <i>consumer's facilities and equipment</i>; and 5. The <i>consumer's facilities and equipment</i> comply with the <i>technical rules</i>, the <i>WA Electrical Requirements</i> and AS 3000; and 6. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The terms and conditions of the <i>access contract</i> under which the <i>service</i> will be provided are materially different to the Applicable Standard Access Contract for this <i>service</i>; b. The <i>tariff</i> that determines the <i>charge</i> is different to the Applicable Reference Tariff for this <i>service</i>; or c. The <i>user</i> is to receive delivered electricity at a <i>service standard</i> different to the Applicable Service Standard Benchmarks for this <i>service</i>.
Applicable Reference Tariff:	"RT10" in the applicable <i>Price List</i> published in Appendix F of the <i>access arrangement</i> .
Applicable Standard Access Contract:	"Electricity Transfer Access Contract" published in Appendix A of the <i>access arrangement</i> .
Applicable Service Standard Benchmarks:	As set out in section 4.2 of the <i>access arrangement</i> .

Reference Service Name:	Reference Service A11 – Transmission Exit Service
Reference Service Description:	An <i>exit service</i> combined with a <i>connection service</i> and a <i>standard metering service</i> at an <i>exit point</i> on the <i>transmission system</i> .
Eligibility Criteria:	<p>Users are eligible to use this service if:</p> <ol style="list-style-type: none"> 1. An <i>interval meter (uni-directional)</i> is installed at the <i>metering point</i>; and 2. The <i>meter</i> is configured to measure the transfer of electricity out of the <i>Western Power Network</i>; and 3. The <i>consumer's facilities and equipment</i> comply with the <i>technical rules</i>, the <i>WA Electrical Requirements</i> and AS 3000; and 4. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The terms and conditions of the <i>access contract</i> under which the <i>service</i> will be provided are materially different to the Applicable Standard Access Contract for this <i>service</i>; b. The tariff that determines the <i>charge</i> is different to the Applicable Reference Tariff for this <i>service</i>; or c. The <i>user</i> is to receive delivered electricity at a <i>service standard</i> different to the Applicable Service Standard Benchmarks for this <i>service</i>.
Applicable Reference Tariff:	"TRT1" in the applicable <i>Price List</i> published in Appendix F of the <i>access arrangement</i> .
Applicable Standard Access Contract:	"Electricity Transfer Access Contract" published in Appendix A of the <i>access arrangement</i> .
Applicable Service Standard Benchmarks:	As set out in section 4.3 of the <i>access arrangement</i> .

3. Reference Services (Entry Services)

Western Power offer 2 entry services as reference services.

Reference Service Name:	Reference Service B1 – Distribution Entry Service
Reference Service Description:	An <i>entry service</i> combined with a <i>connection service</i> and a <i>standard metering service</i> at an <i>entry point</i> on the <i>distribution system</i> .
Eligibility Criteria:	<p><i>Users</i> are eligible to use this <i>service</i> if:</p> <ol style="list-style-type: none"> 1. An <i>interval meter (uni-directional)</i> is installed at the <i>metering point</i>; and 2. The <i>meter</i> is configured to measure the transfer of electricity into the <i>Western Power Network</i>; and 3. The <i>generator's facilities and equipment</i> comply with the <i>technical rules</i>, the <i>WA Electrical Requirements</i> and <i>AS 3000</i>; and 4. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The terms and conditions of the <i>access contract</i> under which the <i>service</i> will be provided are materially different to the <i>Applicable Standard Access Contract</i> for this <i>service</i>; b. The <i>tariff</i> that determines the <i>charge</i> is different to the <i>Applicable Reference Tariff</i> for this <i>service</i>; or c. The <i>user</i> is to receive delivered electricity at a <i>service standard</i> different to the <i>Applicable Service Standard Benchmarks</i> for this <i>service</i>.
Applicable Reference Tariff:	"RT11" in the applicable <i>Price List</i> published in Appendix F of the <i>access arrangement</i> .
Applicable Standard Access Contract:	"Electricity Transfer Access Contract" published in Appendix A of the <i>access arrangement</i> .
Applicable Service Standard Benchmarks:	As set out in section 4.2 of the <i>access arrangement</i> .

Reference Service Name:	Reference Service B2 – Transmission Entry Service
Reference Service Description:	An <i>entry service</i> combined with a <i>connection service</i> and a <i>standard metering service</i> at an <i>entry point</i> on the <i>transmission system</i> .
Eligibility Criteria:	<p>Users are eligible to use this <i>service</i> if:</p> <ol style="list-style-type: none"> 1. An <i>interval meter (uni-directional)</i> is installed at the <i>metering point</i>; and 2. The <i>meter</i> is configured to measure the transfer of electricity into the <i>Western Power Network</i>; and 3. The <i>generator's facilities and equipment</i> comply with the <i>technical rules</i>, the <i>WA Electrical Requirements</i> and AS 3000; and 4. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The terms and conditions of the <i>access contract</i> under which the <i>service</i> will be provided are materially different to the Applicable Standard Access Contract for this <i>service</i>; b. The <i>tariff</i> that determines the <i>charge</i> is different to the Applicable Reference Tariff for this <i>service</i>; or c. The <i>user</i> is to receive delivered electricity at a <i>service standard</i> different to the Applicable Service Standard Benchmarks for this <i>service</i>.
Applicable Reference Tariff:	"TRT2" in the applicable <i>Price List</i> published in Appendix F of the <i>access arrangement</i> .
Applicable Standard Access Contract:	"Electricity Transfer Access Contract" published in Appendix A of the <i>access arrangement</i> .
Applicable Service Standard Benchmarks:	As set out in Section 4.3 of the <i>access arrangement</i> .

4. Reference Services (Bi-directional Services)

Western Power offers 8 *bi-directional services* as *reference services*.

Reference Service Name:	Reference Service C1 – Anytime Energy (Residential) Bi-directional Service
Reference Service Description:	A <i>bi-directional service</i> combined with a <i>connection service</i> and a <i>standard metering service</i> at a <i>bi-directional point</i> on the low voltage (415 volts or less) <i>distribution system</i> .
Eligibility Criteria:	<p>Users are eligible to use this <i>service</i> if:</p> <ol style="list-style-type: none"> 1. The <i>bi-directional point</i> is located at a <i>residential premises</i> or premises occupied by a <i>voluntary/charitable organisation</i> with an inverter system rated up to 10 kVA for single phase connections and 30 kVA for three phase connections; and 2. A <i>minimum meter</i> is installed at the <i>metering point</i>; and 3. The <i>meter</i> is configured to measure the transfer of electricity into and out of the <i>Western Power Network</i>; and 4. The <i>consumer's</i> inverter system complies with the requirements of AS 4777 and the <i>technical rules</i>; and 5. The <i>consumer's facilities and equipment</i> comply with the <i>technical rules</i>, the <i>WA Electrical Requirements</i> and AS 3000; and 6. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The terms and conditions of the <i>access contract</i> under which the <i>service</i> will be provided are materially different to the Applicable Standard Access Contract for this <i>service</i>; b. The <i>tariff</i> that determines the <i>charge</i> is different to the Applicable Reference Tariff for this <i>service</i>; or c. The <i>user</i> is to receive delivered electricity at a <i>service standard</i> different to the Applicable Service Standard Benchmarks for this <i>service</i>.
Applicable Reference Tariff:	"RT13" in the applicable <i>Price List</i> published in Appendix F of the <i>access arrangement</i> .
Applicable Standard Access Contract:	"Electricity Transfer Access Contract" published in Appendix A of the <i>access arrangement</i> .
Applicable Service Standard Benchmarks:	As set out in Section 4.2 of the <i>access arrangement</i> .

Reference Service Name:	Reference Service C2 – Anytime Energy (Business) Bi-directional Service
Reference Service Description:	A <i>bi-directional service</i> combined with a <i>connection service</i> and a <i>standard meter service</i> at a <i>bi-directional point</i> on the low voltage (415 volts or less) <i>distribution system</i> .
Eligibility Criteria:	<p>Users are eligible to use this service if:</p> <ol style="list-style-type: none"> 1. The <i>bi-directional point</i> is located at <i>non-residential premises</i> with an inverter system rated up to a total of 1 MVA for single or three-phase connections; and 2. A <i>minimum meter</i> is installed at the <i>metering point</i>; and 3. The <i>meter</i> is configured to measure the transfer of electricity into and out of the <i>Western Power Network</i>; and 4. The <i>consumer's</i> inverter system complies with the requirements of AS 4777 and the <i>technical rules</i>, and satisfies a technical assessment by Western Power for installations larger than 30kVA; and 5. The <i>consumer's facilities and equipment</i> comply with the <i>technical rules</i>, the <i>WA Electrical Requirements</i> and AS 3000; and 6. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The terms and conditions of the <i>access contract</i> under which the <i>service</i> will be provided are materially different to the Applicable Standard Access Contract for this <i>service</i>; b. The <i>tariff</i> that determines the <i>charge</i> is different to the Applicable Reference Tariff for this <i>service</i>; or c. The <i>user</i> is to receive delivered electricity at a <i>service standard</i> different to the Applicable Service Standard Benchmarks for this <i>service</i>.
Applicable Reference Tariff:	"RT14" in the applicable <i>Price List</i> published in Appendix F of the <i>access arrangement</i> .
Applicable Standard Access Contract:	"Electricity Transfer Access Contract" published in Appendix A of the <i>access arrangement</i> .
Applicable Service Standard Benchmarks:	As set out in section 4.2 of the <i>access arrangement</i> .

Reference Service Name:	Reference Service C3 – Time of Use Energy (Residential) Bi-directional Service
Reference Service Description:	A <i>bi-directional service</i> combined with a <i>connection service</i> and a <i>standard meter service</i> at a <i>bi-directional point</i> on the low voltage (415 volts or less) <i>distribution system</i> .
Eligibility Criteria:	<p>Users are eligible to use this service if:</p> <ol style="list-style-type: none"> 1. The <i>bi-directional point</i> is located at a <i>residential premises</i> or premises occupied by a <i>voluntary/charitable organisation</i> with an inverter system rated up to 10 kVA for single phase connections and 30 kVA for three phase connections; and 2. A <i>minimum meter</i> is installed at the <i>metering point</i>; and 3. The <i>meter</i> is configured to measure the transfer of electricity into and out of the <i>Western Power Network</i>; and 4. This C3 – Time of Use Energy (Residential) – Bi-Directional Service: <ol style="list-style-type: none"> a. was provided at the <i>connection point</i> as at the <i>AA4 effective date</i>; and b. has continued to be provided at the <i>connection point</i> from the <i>AA4 effective date</i>; and 5. The <i>consumer's</i> inverter system complies with the requirements of AS 4777 and the <i>technical rules</i>; and 6. The <i>consumer's facilities and equipment</i> comply with the <i>technical rules</i>, the <i>WA Electrical Requirements</i> and AS 3000; and 7. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The terms and conditions of the <i>access contract</i> under which the <i>service</i> will be provided are materially different to the Applicable Standard Access Contract for this <i>service</i>; b. The <i>tariff</i> that determines the <i>charge</i> is different to the Applicable Reference Tariff for this <i>service</i>; or c. The <i>user</i> is to receive delivered electricity at a <i>service standard</i> different to the Applicable Service Standard Benchmarks for this <i>service</i>.
Applicable Reference Tariff:	"RT15" in the applicable <i>Price List</i> published in Appendix F of the <i>access arrangement</i> .
Applicable Standard Access Contract:	"Electricity Transfer Access Contract" published in Appendix A of the <i>access arrangement</i> .
Applicable Service Standard Benchmarks:	As set out in section 4.2 of the <i>access arrangement</i> .

Reference Service Name:	Reference Service C4 – Time of Use Energy (Business) Bi-directional Service
Reference Service Description:	A <i>bi-directional service</i> combined with a <i>connection service</i> and a <i>standard meter service</i> at a <i>bi-directional point</i> on the low voltage (415 volts or less) <i>distribution system</i> .
Eligibility Criteria:	<p>Users are eligible to use this service if:</p> <ol style="list-style-type: none"> 1. The <i>bi-directional point</i> is located at <i>non-residential premises</i> with an inverter system rated up to a total of 1 MVA for single or three-phase connections; and 2. A <i>minimum meter</i> is installed at the <i>metering point</i>; and 3. The <i>meter</i> is configured to measure the transfer of electricity into and out of the <i>Western Power Network</i>; and 4. This C4 – Time of Use Energy (Business) – Bi-directional Service: <ol style="list-style-type: none"> a. was provided at the <i>connection point</i> as at the <i>AA4 effective date</i>; and b. has continued to be provided at the <i>connection point</i> from the <i>AA4 effective date</i>; and 5. The <i>consumer's</i> inverter system complies with the requirements of AS 4777 and the <i>technical rules</i>, and satisfies a technical assessment by Western Power for installations larger than 30kVA; and 6. The <i>consumer's facilities and equipment</i> comply with the <i>technical rules</i>, the <i>WA Electrical Requirements</i> and AS 3000; and 7. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The terms and conditions of the <i>access contract</i> under which the <i>service</i> will be provided are materially different to the Applicable Standard Access Contract for this <i>service</i>; b. The <i>tariff</i> that determines the <i>charge</i> is different to the Applicable Reference Tariff for this <i>service</i>; or c. The <i>user</i> is to receive delivered electricity at a <i>service standard</i> different to the Applicable Service Standard Benchmarks for this <i>service</i>.
Applicable Reference Tariff:	"RT16" in the applicable <i>Price List</i> published in Appendix F of the <i>access arrangement</i> .
Applicable Standard Access Contract:	"Electricity Transfer Access Contract" published in Appendix A of the <i>access arrangement</i> .
Applicable Service Standard Benchmarks:	As set out in section 4.2 of the <i>access arrangement</i> .

Reference Service Name:	Reference Service C5 – High Voltage Metered Demand Bi-directional Service
Reference Service Description:	A <i>bi-directional service</i> combined with a <i>connection service</i> and a <i>standard metering service</i> at a <i>bi-directional point</i> on the high voltage (6.6 kV or higher) <i>distribution system</i> .
Eligibility Criteria:	<p>Users are eligible to use this <i>service</i> if:</p> <ol style="list-style-type: none"> 1. The <i>exit point</i> is located at <i>non-residential premises</i>; and 2. The maximum demand at the <i>bi-directional point</i> is: <ol style="list-style-type: none"> a. less than 1,500 kVA based on historic metering data; or b. Western Power determines, as a reasonable and prudent person, that the <i>user's</i> forecast maximum demand will be less than 1,500 kVA; and 3. An <i>interval meter (bi-directional)</i> is installed at the <i>metering point</i>; and 4. The <i>meter</i> is configured to measure the transfer of electricity into and out of the <i>Western Power Network</i>; and 5. The <i>consumer's facilities and equipment</i> comply with the <i>technical rules</i>, the <i>WA Electrical Requirements</i> and AS 3000; and 6. The premises have an inverter system rated up to a total of 1 MVA for single or three-phase connections; and 7. The <i>consumer's</i> inverter system complies with the requirements of AS 4777 and the <i>technical rules</i>, and satisfies a technical assessment by Western Power for installations larger than 30kVA; and 8. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The terms and conditions of the <i>access contract</i> under which the <i>service</i> will be provided are materially different to the Applicable Standard Access Contract for this <i>service</i>; b. The <i>tariff</i> that determines the <i>charge</i> is different to the Applicable Reference Tariff for this <i>service</i>; or c. The <i>user</i> is to receive delivered electricity at a <i>service standard</i> different to the Applicable Service Standard Benchmarks for this <i>service</i>.
Applicable Reference Tariff:	"RT5" in the Price List published in Appendix F of the <i>access arrangement</i> .
Applicable Standard Access Contract:	"Electricity Transfer Access Contract" published in Appendix A of the <i>access arrangement</i> .
Applicable Service Standard Benchmarks:	As set out in section 4.2 of the <i>access arrangement</i> .

Reference Service Name:	Reference Service C6 – Low Voltage Metered Demand Bi-directional Service
Reference Service Description:	A <i>bi-directional service</i> combined with a <i>connection service</i> and a <i>standard metering service</i> at a <i>bi-directional point</i> on the low voltage (415 volts or less) <i>distribution system</i> .
Eligibility Criteria:	<p>Users are eligible to use this <i>service</i> if:</p> <ol style="list-style-type: none"> 1. The <i>exit point</i> is located at <i>non-residential premises</i>; and 2. The maximum demand at the <i>bi-directional point</i> is: <ol style="list-style-type: none"> a. less than 1,500 kVA based on historic metering data; or b. Western Power determines, as a <i>reasonable and prudent person</i>, that the <i>user's</i> forecast maximum demand will be less than 1,500 kVA; and 3. An <i>interval meter (bi-directional)</i> is installed at the <i>metering point</i>; and 4. The <i>meter</i> is configured to measure the transfer of electricity into and out of the <i>Western Power Network</i>; and 5. The <i>consumer's facilities and equipment</i> comply with the <i>technical rules</i>, the <i>WA Electrical Requirements</i> and AS 3000; and 6. The premises have an inverter system rated up to a total of 1 MVA for single or three-phase connections; and 7. The <i>consumer's</i> inverter system complies with the requirements of AS 4777 and the <i>technical rules</i>, and satisfies a technical assessment by Western Power for installations larger than 30kVA; and 8. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The terms and conditions of the <i>access contract</i> under which the <i>service</i> will be provided are materially different to the Applicable Standard Access Contract for this <i>service</i>; b. The <i>tariff</i> that determines the <i>charge</i> is different to the Applicable Reference Tariff for this <i>service</i>; or c. The <i>user</i> is to receive delivered electricity at a <i>service standard</i> different to the Applicable Service Standard Benchmarks for this <i>service</i>.
Applicable Reference Tariff:	"RT6" in the applicable Price List published in Appendix F of the <i>access arrangement</i> .
Applicable Standard Access Contract:	"Electricity Transfer Access Contract" published in Appendix A of the <i>access arrangement</i> .
Applicable Service Standard Benchmarks:	As set out in section 4.2 of the <i>access arrangement</i> .

Reference Service Name:	Reference Service C7 – High Voltage Contract Maximum Demand Bi-directional Service
Reference Service Description:	A <i>bi-directional service</i> combined with a <i>connection service</i> and a <i>standard metering service</i> at a <i>bi-directional point</i> on the high voltage (6.6 kV or higher) <i>distribution system</i> .
Eligibility Criteria:	<p>Users are eligible to use this service if:</p> <ol style="list-style-type: none"> 1. The <i>exit point</i> is located at <i>non-residential premises</i>; and 2. The contracted maximum demand at the <i>bi-directional point</i> is greater than 1,000 kVA; and 3. An <i>interval meter (bi-directional)</i> is installed at the <i>metering point</i>; and 4. The <i>meter</i> is configured to measure the transfer of electricity into and out of the <i>Western Power Network</i>; and 5. The <i>consumer's facilities and equipment</i> comply with the <i>technical rules</i>, the <i>WA Electrical Requirements</i> and AS 3000; and 6. The premises have an inverter system rated up to a total of 1 MVA for single or three-phase connections; and 7. The <i>consumer's inverter system</i> complies with the requirements of AS 4777 and the <i>technical rules</i>, and satisfies a technical assessment by Western Power for installations larger than 30kVA; and 8. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The terms and conditions of the <i>access contract</i> under which the <i>service</i> will be provided are materially different to the Applicable Standard Access Contract for this <i>service</i>; b. The <i>tariff</i> that determines the <i>charge</i> is different to the Applicable Reference Tariff for this <i>service</i>; or c. The <i>user</i> is to receive delivered electricity at a <i>service standard</i> different to the Applicable Service Standard Benchmarks for this <i>service</i>.
Applicable Reference Tariff:	"RT7" in the applicable <i>Price List</i> published in Appendix F of the <i>access arrangement</i> .
Applicable Standard Access Contract:	"Electricity Transfer Access Contract" published in Appendix A of the <i>access arrangement</i> .
Applicable Service Standard Benchmarks:	As set out in section 4.2 of the <i>access arrangement</i> .

Reference Service Name:	Reference Service C8 – Low Voltage Contract Maximum Demand Bi-directional Service
Reference Service Description:	A <i>bi-directional service</i> combined with a <i>connection service</i> and a <i>standard metering service</i> at a <i>bi-directional point</i> on the low voltage (415 volts or less) <i>distribution system</i> .
Eligibility Criteria:	<p>Users are eligible to use this <i>service</i> if:</p> <ol style="list-style-type: none"> 1. The <i>exit point</i> is located at <i>non-residential premises</i>; and 2. The contracted maximum demand at the <i>bi-directional point</i> is greater than 1,000 kVA; and 3. An <i>interval meter (bi-directional)</i> is installed at the <i>metering point</i>; and 4. The <i>meter</i> is configured to measure the transfer of electricity into and out of the <i>Western Power Network</i>; and 5. The <i>consumer's facilities and equipment</i> comply with the <i>technical rules</i>, the <i>WA Electrical Requirements</i> and AS 3000; and 6. The premises have an inverter system rated up to a total of 1 MVA for single or three-phase connections; and 7. The <i>consumer's</i> inverter system complies with the requirements of AS 4777 and the <i>technical rules</i>, and satisfies a technical assessment by Western Power for installations larger than 30kVA; and 8. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The terms and conditions of the <i>access contract</i> under which the <i>service</i> will be provided are materially different to the Applicable Standard Access Contract for this <i>service</i>; b. The <i>tariff</i> that determines the <i>charge</i> is different to the Applicable Reference Tariff for this <i>service</i>; or c. The <i>user</i> is to receive delivered electricity at a <i>service standard</i> different to the Applicable Service Standard Benchmarks for this <i>service</i>.
Applicable Reference Tariff:	"RT8" in the applicable <i>Price List</i> published in Appendix F of the <i>access arrangement</i> .
Applicable Standard Access Contract:	"Electricity Transfer Access Contract" published in Appendix A of the <i>access arrangement</i> .
Applicable Service Standard Benchmarks:	As set out in section 4.2 of the <i>access arrangement</i> .

5. Reference Services (3 Part TOU Energy)

Western Power offers 2 services at an *exit point* or a *bi-directional point* with an *AMI Meter (connected)* or an *interval meter* as *reference services*.

Reference Service Name:	Reference Service D1 – 3 Part Time of Use Energy (Residential) Service
Reference Service Description:	An <i>exit service</i> or a <i>bi-directional service</i> combined with a <i>connection service</i> and a <i>standard metering service</i> at an <i>exit point</i> or a <i>bi-directional point</i> on the low voltage (415 volts or less) <i>distribution system</i> .
Eligibility Criteria:	<p>Users are eligible to use this service if:</p> <p>For an <i>exit service</i> —</p> <ol style="list-style-type: none"> 1. The <i>exit point</i> is located at the <i>residential premises</i> or premises occupied by a <i>voluntary/charitable organisation</i>; and 2. An <i>AMI Meter (connected)</i> or an <i>interval meter (bi-directional)</i> (if a <i>transformer</i> is required) is installed at the <i>metering point</i>; and 3. The <i>meter</i> is configured to measure the transfer of electricity out of the <i>Western Power Network</i>; and 4. The <i>consumer's facilities and equipment</i> comply with the <i>technical rules</i>, the <i>WA Electrical Requirements</i> and <i>AS 3000</i>; and 5. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The terms and conditions of the <i>access contract</i> under which the <i>service</i> will be provided are materially different to the Applicable Standard Access Contract for this <i>service</i>; b. The <i>tariff</i> that determines the <i>charge</i> is different to the Applicable Reference Tariff for this <i>service</i>; or c. The <i>user</i> is to receive delivered electricity at a <i>service standard</i> different to the Applicable Service Standard Benchmarks for this <i>service</i>. <p>For a <i>bi-directional service</i> —</p> <ol style="list-style-type: none"> 1. The <i>bi-directional point</i> is located at a <i>residential premises</i> or premises occupied by a <i>voluntary/charitable organisation</i> with an inverter system rated up to 10 kVA for single phase connections and 30 kVA for three phase connections; and 2. An <i>AMI Meter (connected)</i> or an <i>interval meter (bi-directional)</i> (if a <i>transformer</i> is required) is installed at the <i>metering point</i>; and 3. The <i>meter</i> is configured to measure the transfer of electricity into and out of the <i>Western Power Network</i>; and 4. The <i>consumer's inverter system</i> complies with the requirements of <i>AS 4777</i> and the <i>technical rules</i>; and 5. The <i>consumer's facilities and equipment</i> comply with the <i>technical rules</i>, the <i>WA Electrical Requirements</i> and <i>AS 3000</i>; and 6. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The terms and conditions of the <i>access contract</i> under which the <i>service</i> will be provided are materially different to the Applicable Standard Access Contract for this <i>service</i>; b. The <i>tariff</i> that determines the <i>charge</i> is different to the Applicable Reference Tariff for this <i>service</i>; or c. The <i>user</i> is to receive delivered electricity at a <i>service standard</i> different to the Applicable Service Standard Benchmarks for this <i>service</i>.

Reference Service Name:	Reference Service D1 – 3 Part Time of Use Energy (Residential) Service
Applicable Reference Tariff:	“RT17” in the applicable <i>Price List</i> published in Appendix F of the <i>access arrangement</i> .
Applicable Standard Access Contract:	“Electricity Transfer Access Contract” published in Appendix A of the <i>access arrangement</i> .
Applicable Service Standard Benchmarks:	As set out in section 4.2 of the <i>access arrangement</i> .

Reference Service Name:	Reference Service D2 – 3 Part Time of Use Energy (Business) Service
Reference Service Description:	An <i>exit service</i> or a <i>bi-directional service</i> combined with a <i>connection service</i> and a <i>standard metering service</i> at an <i>exit point</i> or a <i>bi-directional point</i> on the low voltage (415 volts or less) <i>distribution system</i> .
Eligibility Criteria:	<p>Users are e</p> <p>For an <i>exit service</i> —</p> <ol style="list-style-type: none"> 1. The <i>exit point</i> is located at <i>non-residential premises</i>; and 2. The maximum demand at the <i>exit point</i> is: <ol style="list-style-type: none"> a. less than 1,500 kVA based on historic metering data; or b. Western Power determines, as a <i>reasonable and prudent person</i>, that the <i>user's</i> forecast maximum demand will be less than 1,500 kVA. 3. An <i>AMI Meter (connected)</i> or an <i>interval meter (bi-directional)</i> (if a <i>transformer</i> is required) is installed at the <i>metering point</i>; and 4. The <i>meter</i> is configured to measure the transfer of electricity out of the <i>Western Power Network</i>; and 5. The <i>consumer's facilities and equipment</i> comply with the <i>technical rules</i>, the <i>WA Electrical Requirements</i> and AS 3000; and 6. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The terms and conditions of the <i>access contract</i> under which the <i>service</i> will be provided are materially different to the Applicable Standard Access Contract for this <i>service</i>; b. The <i>tariff</i> that determines the <i>charge</i> is different to the Applicable Reference Tariff for this <i>service</i>; or c. The <i>user</i> is to receive delivered electricity at a <i>service standard</i> different to the Applicable Service Standard Benchmarks for this <i>service</i>. <p>For a <i>bi-directional service</i> —</p> <ol style="list-style-type: none"> 1. The <i>bi-directional point</i> is located at <i>non-residential premises</i> with an inverter system rated up to a total of 1 MVA for single or three-phase connections; and 2. An <i>AMI Meter (connected)</i> or an <i>interval meter (bi-directional)</i> (if a <i>transformer</i> is required) is installed at the <i>metering point</i>; and 3. The <i>meter</i> is configured to measure the transfer of electricity into and out of the <i>Western Power Network</i>; and 4. The <i>consumer's</i> inverter system complies with the requirements of AS 4777 and the <i>technical rules</i>, and satisfies a technical assessment by Western Power for installations larger than 30kVA; and 5. The <i>consumer's facilities and equipment</i> comply with the <i>technical rules</i>, the <i>WA Electrical Requirements</i> and AS 3000; and 6. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The terms and conditions of the <i>access contract</i> under which the <i>service</i> will be provided are materially different to the Applicable Standard Access Contract for this <i>service</i>; b. The <i>tariff</i> that determines the <i>charge</i> is different to the Applicable Reference Tariff for this <i>service</i>; or c. The <i>user</i> is to receive delivered electricity at a <i>service standard</i> different to the Applicable Service Standard Benchmarks for this <i>service</i>.

Reference Service Name:	Reference Service D2 – 3 Part Time of Use Energy (Business) Service
Applicable Reference Tariff:	“RT18” in the applicable <i>Price List</i> published in Appendix F of the <i>access arrangement</i> .
Applicable Standard Access Contract:	“Electricity Transfer Access Contract” published in Appendix A of the <i>access arrangement</i> .
Applicable Service Standard Benchmarks:	As set out in section 4.2 of the <i>access arrangement</i> .

Appendix E

Annexure

Guide to *standard metering services*
included in *reference services*

E.1 Guide to *standard metering services* included in *reference services*

Words or phrases italicised in this Annexure have the definitions given in clause 1.1 of Appendix E, in the *access arrangement* or in section 1.3 of the *Code*.

E.1.1 Nature and currency of this Annexure

The *written laws* that regulate the measurement of electricity and the provision of *metering services* are the *metering instruments*. These include the *MSLA*, which regulates *standard metering services*.

This Annexure is a guide to standard metering services relevant to a *reference service*. This guide is not a complete handbook to *standard metering services*; relevant information for a *standard metering service* in addition to this guide (for example the service standard) is in the *MSLA*.

It is anticipated that the 2006 version of the *MSLA* will be replaced. If a new model service level agreement is approved, the *standard metering services* relevant to the *reference service* will be as set out in that model service level agreement (to the exclusion of this guide). After that time, no reliance should be placed on this guide.

To the extent of any inconsistency between this Annexure and the *metering instruments*, the *metering instruments* will prevail.

E.1.2 Status and configuration of *metering installation* in Table 1

In Table 1 below:

- an existing *metering installation* is one at an existing *metering point* immediately before the *AA4 effective date* and continues as an existing *metering installation* until such time as the *meter* forming part of the *metering installation* is upgraded, replaced, changed or reconfigured;
- a new *metering installation* is one established at a new *metering point* after the *AA4 effective date*;
- an upgraded or replaced *metering installation* is one where the *meter* forming part of the *metering installation* is upgraded or replaced after the *AA4 effective date* but does not include a *metering installation* where the *meter* is changed or reconfigured at the request of the *user*.

For:

- an *exit service* or *entry service* the *meter* will be configured to measure the transfer of electricity out of or into (respectively) the *Western Power Network*, but not both; and
- a *bi-directional service* the *meter* will be configured to measure the transfer of electricity into and out of the *Western Power Network*.

An *accumulation meter* includes a *meter* with *interval energy data* storage capability which is declared to be an *accumulation meter* under clause 3.2(2) of the *Metering Code*.

E.1.3 Availability of Reference Services

Reference Services A3, A4, C3 and C4 are not available for new *metering installations*.

There are no existing *metering installations* for Reference Services D1 and D2.

E.1.4 Standard metering services

For the *reference services* set out in column one of Table E.1 and for the *metering installations* set out in column two, the *standard metering services* are the provision of the *meter* described in the column marked 'Meter' and the provision of the energy data described in the column marked 'Data Service'.

Table E.1: Standard Metering Services

Reference Service	Status of metering installation	Meter	Data Service
A1, A2, A3, A4, C1, C2, C3, C4	Existing	If throughput at the <i>connection point</i> is less than 50MWh/a, an <i>accumulation meter</i>	Bi-monthly provision of <i>accumulated energy data</i>
		If throughput at the <i>connection point</i> is equal to or greater than 50MWh/a, an <i>interval meter</i>	Monthly provision of <i>interval energy data</i> .
	New, upgraded or replaced* (for A1, A2, C1, C2)	If throughput at the <i>connection point</i> is less than 50MWh/a, an <i>AMI Meter (connected)</i> or an <i>AMI Meter (not connected)</i>	For an <i>AMI Meter (connected)</i> — daily provision of <i>interval energy data</i> (unless the <i>user</i> requests not to receive the daily <i>interval energy data</i> in which case bi-monthly provision of <i>accumulated energy data</i>)
	Upgraded or replaced (for A3, A4, C3, C4)		For an <i>AMI Meter (not connected)</i> — <ul style="list-style-type: none"> where throughput at the <i>connection point</i> is less than 50MWh/a, bi-monthly provision of <i>accumulated energy data</i>; and where throughput at the <i>connection point</i> is equal to or greater than 50MWh/a, monthly provision of <i>interval energy data</i>
		If throughput at the <i>connection point</i> is equal to or greater than 50MWh/a —	

Reference Service	Status of metering installation	Meter	Data Service
		<ul style="list-style-type: none"> where the <i>metering installation</i> does not require a <i>transformer</i>, an <i>AMI Meter (connected)</i> or an <i>AMI Meter (not connected)</i>. 	<p>For an <i>AMI Meter (connected)</i> — daily provision of <i>interval energy data</i> (unless the <i>user</i> requests not to receive the <i>daily interval energy data</i> in which case bi-monthly provision of <i>accumulated energy data</i>).</p> <p>For an <i>AMI Meter (not connected)</i> —</p> <ul style="list-style-type: none"> where throughput at the <i>connection point</i> is less than 50MWh/a, bi-monthly provision of <i>accumulated energy data</i>; and where throughput at the <i>connection point</i> is equal to or greater than 50MWh/a, monthly provision of <i>interval energy data</i>.
		<ul style="list-style-type: none"> where the <i>metering installation</i> requires a <i>transformer</i>, an <i>interval meter</i> 	Monthly provision of <i>interval energy data</i>
A5, A6, A7, A8, B1, B2, C5, C6, C7, C8	Existing, new, upgraded and replaced*	<i>Interval meter</i>	Monthly provision of <i>interval energy data</i>
D1, D2	New, upgraded and replaced*	If throughput at the <i>metering point</i> is less than 50MWh/a, an <i>AMI Meter (connected)</i>	Daily provision of <i>interval energy data</i>
		If throughput at the <i>metering point</i> is equal to or greater than 50MWh/a —	
		<ul style="list-style-type: none"> where the <i>metering installation</i> does not require a <i>transformer</i>, an <i>AMI Meter (connected)</i> 	Daily provision of <i>interval energy data</i>
		<ul style="list-style-type: none"> where the <i>metering installation</i> requires a <i>transformer</i>, an <i>interval meter</i> 	Monthly provision of <i>interval energy data</i>

* Where a *user* requests a *meter* change or *meter* reconfiguration, the *meter* provision service is an extended metering service (within the meaning of the *MSLA*) and, as Table 1 only describes *standard metering services*, it is not included. However, the *meter* provided will be the same as a new, upgraded or replaced *meter* set out in Table E.1 for the relevant *reference service*. The provision of the *energy data* described in the column marked 'Data Service' alongside the *meter* provided is then part of the *standard metering services* for that *reference service*.

E.1.5 *Metering Services other than standard metering services*

Table E.1 details *standard metering services*. There is no *charge to users* for *standard metering services* additional to the applicable *reference tariff* for the relevant *reference service*. For any other *metering service* an additional *charge* is payable.

Standard metering services do not include the provision of *services* classified as extended metering services (within the meaning of the *MSLA*). Those extended metering services are provided and paid for under a *service level agreement*.

The *user* may request the provision of *metering services that are additional to standard metering services and extended metering services* (“additional metering services”). For example, the *user* may request:

1. more (or less) frequent *energy data* provision; or
2. the provision of an alternative *energy data* type (for example, *interval energy data* as an alternative to *accumulated energy data*).

In these examples, the *metering service* will be provided as an *additional metering service*.

Additional metering services are provided and paid for under a *service level agreement* between the *user* and Western Power, subject to the *additional metering services* meeting the minimum requirements of the *Metering Code*. Fees payable for the *additional metering service* will recover the costs that are incremental to the related *standard metering service*.