

Appendix E

Reference Services

Proposed revisions to the access arrangement

1 February 2022



Access Arrangement (AA) for the period
1 July 2023 to 30 June 2027

Appendix E - Reference Services

1 July 2023

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1. Introduction

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

1.1 Definitions

In this Appendix (including the Annexures), 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 1 July 2019.

"AA4AA5 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*.

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

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

"activated device" means a device connected to a communications network, with capability for two-way communication between the device and Western Power's management systems operating and able to be used to support remote services.

"additional reference service (metering)" means a *reference service (metering)* that is additional to the *standard metering service* for the applicable *reference service exit service*, *entry service* or *bi-directional service* as described in clause E.1.2 and Table E.1.2 of Annexure 1.

"bi-directional point" has the meaning given to it 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*.

"business day" means a day that is not a Saturday, Sunday or public holiday in Western Australia.

"capital-related costs" has the meaning given to it in the Code.

"charge" has the meaning given to it in the Code.

"Code" means the Electricity Networks Access Code 2004 (WA).

"communications network" means a metrology telecommunications link provided by way of telecommunication network and other devices and processes supported by Western Power with the capability activated to communicate between the *meter* and Western Power for the upload of *energy data* from a remote locality.

"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*.

“date for a scheduled meter reading” has the meaning given to it in the *Electricity Industry (Metering) Code 2012*

“distributed generating plant” has the meaning given to it in the *Code*.

“electricity transfer application” has the meaning given to it in the *applications and queuing policy*.

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

“good electricity industry practice” has the meaning given to it in the *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*.

“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.

“intra day period” means a period of no greater than twenty four consecutive hours ending at midnight (WST).

“manual read” means the derivation of *energy data* from a *meter* other than via a *communications network* by Western Power or by the customer as a customer meter read and includes *energy data* estimation or substitution in accordance with the *metering instruments*.

“market operator” means the entity conferred the functions in respect of the ‘Wholesale Electricity Market’ under the Wholesale Electricity Market Rules which, as at the ~~AA4AA5~~ effective date, is the Australian Energy Market Operator Limited.

“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*.

“minimum meter” means:

- a. if throughput at the *connection point* is less than 50MWh per annum, an *accumulation meter*; or
- b. if throughput at the *connection point* is equal to or greater than 50MWh per annum an *interval meter*.

“MSLA” means the current model service level agreement approved by the *Authority* under the *Metering Code* (which as at the ~~AA4AA5~~ effective date is the version dated ~~March-2006~~30 September 2020).

“non-capital costs” has the meaning given to it in the *Code*.

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

“permissible reference service (metering)” means a *metering service* that is available for a *user* to select as a component of the *reference service* (*exit service*, *entry service* or *bi-directional service*) from the options set out in clause E.1.2 and Table E.1.2 of Annexure 1.

“price list” has the meaning given to it in the *Code*.

“reasonable and prudent person” has the meaning given to it in the *Code*.

“reference service (metering)” means the *metering service* selected from the *permissible reference service* (*metering*) options by the *user* as a component of the *reference service* (*exit service*, *entry service* or *bi-directional service*).

“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 100MWh 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 a *reference service* as described in clause E.1.2 and Table E.1.2 of Annexure 1 .

“standing data” has the meaning given to it in the *Metering Code*.~~“~~

“storage activity” has the meaning given to it in the *Electricity Industry Act 2004 (WA)*.

“storage works” has the meaning given to it in the *Electricity Industry Act 2004 (WA)*.

“system management” means the entity conferred the functions in respect of ‘System Management’ under the Wholesale Electricity Market Rules which, as at ~~AA4AA5~~ *effective date*, is the Australian Energy Market Operator Limited.

“Technical Rules” has the meaning given to it in the *Code*.

“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 it in the *Electricity (Licensing) Regulations 1991*.

“weekly settlement commencement” has the meaning given to it in the *Metering Code*.

“WEM Rules” has the meaning given to it in the *Code*.

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 Annexures).

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 Metering Services

In accordance with section 5.28 of the *Code* and section 9.3 of the *access arrangement* (of which this Appendix forms a part), *metering services* will be provided in accordance with the *Metering Code* and the *MSLA*.

For *exit services* A1 to ~~A17~~A19, *entry services* B1 to B3, and *bi-directional services* C1 ~~to C15~~to C22, the service includes a *reference service (metering)*.

Reference services (metering) are described in clause E.1.1 of Annexure 1.

Details of the *reference services (metering)* that are available to be selected by the *user* are set out in clause E.1.2 of Annexure 1.

Annexure 1 includes a designation of a *permissible reference service (metering)* for each *reference service* ~~existing prior to the AA4 effective date as “transition”. These “transition” reference services (metering) are~~

~~denoted with an asterisk (*) or (**) in clause E.1.2 of Annexure 1.¹ Western Power will regard the designated “transition” reference service (metering) as having been selected by the user as a component of the corresponding reference service (exit service, entry service or bi-directional service) in Annexure 1 and of the service it receives under its access contract from the AA4 effective date.²~~

The “~~transition~~standard” reference service (metering) identified in clause E.1.2 of Annexure 1 is the *standard metering service* for the relevant exit service, entry service or bi-directional service.³

There is an applicable *reference service (metering) reference tariff* payable by users as a component of the applicable *reference tariff* for each reference service (exit service, entry service or bi-directional service).

The *reference service (metering) reference tariff* recovers the cost of the *standard metering service* for the relevant exit service, entry service or bi-directional service.

The *reference tariffs* (including the *reference service (metering) reference tariffs* for *standard metering services*) are published in the applicable *Price List* in Appendix F of the *access arrangement*. A charge is payable by users to Western Power for services received under *access contracts* based on applying these *reference tariffs*.

Users who select an *additional reference service (metering)* for the relevant exit service, entry service or bi-directional service, may be required to pay an additional charge for the capital and non-capital costs that are incremental to the related *standard metering service*.

There is no charge to users in addition to the *reference service (metering) reference tariff* for the following *metering services* for so long as that is consistent with the MSLA:

- a. upgrade of the *meter* to align with the requirements of the Metering Code - as a result of throughput at the *connection point* changing;

{Note: if the user elects to upgrade the *meter* this is a “meter change” as defined in the MSLA and if the user elects to reconfigure the *meter* this is a “meter reconfigure” as defined in the MSLA. Charges in addition to the *reference service (metering) reference tariff* are payable for a “meter change” and a “meter reconfiguration” in accordance with the Metering Code and MSLA.}
- b. *customer meter* reading (including a card read *meter* reading);
- c. historical *interval energy data* from *interval meters* for a period of up to 12 months in accordance with the requirements of clause A4.2 of the *Electricity Industry (Customer Transfer) Code 2016*; and
- d. the provision of *standing data* in accordance with the *Metering Code*.

The non-price terms and conditions under which *reference services (metering)* are provided are set out in the MSLA.

¹ ~~The reference service (metering) denoted * is the transition reference service (metering) for connection points with throughput lower than 50MWh/a and the reference service (metering) denoted ** is the transition reference service (metering) for connection points with throughput equal to or greater than 50 MWh/a.~~

² ~~Unless the user has entered into an agreement with Western Power prior to the AA4 effective date to obtain extended metering services as defined under the MSLA. In such cases, the user will be allocated the nearest equivalent reference service (metering).~~

³ ~~The reference service (metering) denoted * is the standard reference service (metering) for connection points with throughput lower than 50MWh/a, and the reference service (metering) denoted ** is the standard reference service (metering) for connection points with throughput equal to or greater than 50 MWh/a, prior to weekly settlement commencement. The reference service (metering) denoted *** in Table E.1.2 below is the “standard” reference service (metering) for connection points with throughput equal to or greater than 50 MWh/a, after weekly settlement commencement.~~

1.4 Eligibility criteria

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

1.5 Provision of *reference services*

The *access arrangement* and this Appendix E have been approved for the purposes of the *Code* and do not represent an obligation to provide *reference services* without a related contract between Western Power and a *user*.

1.6 Transitional

The ~~reference number~~short name for a *reference service* is the number and letter used to describe that *reference service* (being A1 to ~~A17~~A19, B1 to B3, C1 to ~~C15~~C22, D1 to ~~D9~~D14 and M1 to ~~M16~~M20).

Reference services (A1 to ~~A17~~A19, B1 to ~~B2~~B3 and C1 to ~~C4~~C15) described in parts 2, 3 and 4 of this Appendix E – Reference Services are 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 services* (A1 to ~~A17~~A19, B1 to ~~B2~~B3 and C1 to ~~C4~~C15) described in parts 2, 3 and 4 of Appendix E of the previous *access arrangement* which has the same reference number as that ~~AA4AA5~~ *reference service*.

2. Reference Services (Exit Services)

Western Power offers ~~17~~¹⁹ 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>reference service (metering)</i> at an <i>exit 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>exit point</i> is located at <i>residential premises</i> or premises occupied by a <i>voluntary/charitable organisation</i>; and 1. The <i>meter</i> is configured to measure the transfer of electricity out of the <i>Western Power Network</i>; and 2. The <i>consumer's facilities and equipment</i> comply with the technical rules^{Technical Rules}, the <i>WA Electrical Requirements</i> and AS/NZS³⁰⁰⁰; and 3. Each of the following does not apply under an agreement with Western Power: The <i>tariff</i> that determines the <i>charge</i> is different to the <i>Applicable Reference Tariff</i> for this service; or 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 service.
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>reference service (metering)</i> at an <i>exit point</i> on the low voltage (415 volts or less) <i>distribution system</i> — <u>or on the high voltage (6.6 kV or higher) distribution system.</u>
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. TheOne of the following applies: <ol style="list-style-type: none"> a. it is a low voltage connection point and the maximum demand at the <i>exit point</i> is: <ol style="list-style-type: none"> i. less than 1,500 kVA based on historic metering data; or b. <u>it is a low voltage connection point and</u> 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/or c. <u>it is a high voltage (6.6kV or higher) connection point with throughput equal to zero for a period of greater than 12 months; and</u> 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 technical rules<u>Technical Rules</u>, the <i>WA Electrical Requirements</i> and AS/<u>NZS</u> 3000; and 6. Each of the following does not apply under an agreement with Western Power: <p>The <i>tariff</i> that determines the <i>charge</i> is different to the <i>Applicable Reference Tariff</i> for this service; or</p> <p>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 service.</p>
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>reference service (metering)</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. The <i>meter</i> is configured to measure the transfer of electricity out of the <i>Western Power Network</i>, and if it is an <i>accumulation meter</i>, it is configured for time bands set out in the <i>price-list</i><i>Price List</i> for RT3; and 3. 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 4. The <i>consumer's facilities and equipment</i> comply with the <i>technical rules</i><i>Technical Rules</i>, the <i>WA Electrical Requirements</i> and AS/<i>NZS</i><i>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 <i>tariff</i> that determines the <i>charge</i> is different to the <i>Applicable Reference Tariff</i> for this <i>service</i>; or b. 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:	"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>reference service (metering)</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. The <i>meter</i> is configured to measure the transfer of electricity out of the <i>Western Power Network</i>, and if it is an <i>accumulation meter</i>, it is configured for the time bands set out in the price list<i>Price List</i> for RT4; and 4. 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 5. The <i>consumer's facilities and equipment</i> comply with the technical rules<i>Technical Rules</i>, the <i>WA Electrical Requirements</i> and AS/NZS 3000; and 6. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. 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 b. 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 <i>Reference Tariff</i> :	"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>reference service (metering)</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"> The maximum demand at the <i>exit point</i> is: <ol style="list-style-type: none"> less than 1,500 kVA based on historic metering data; or 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 The <i>meter</i> is configured to measure the transfer of electricity out of the <i>Western Power Network</i>; and The <i>consumer's facilities and equipment</i> comply with the technical rules<i>Technical Rules</i>, the <i>WA Electrical Requirements</i> and AS/<u>NZS</u> 3000; and Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> 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 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:	"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>reference service (metering)</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"> The maximum demand at the <i>exit point</i> is: <ol style="list-style-type: none"> less than 1,500 kVA based on historic metering data; or 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 The <i>meter</i> is configured to measure the transfer of electricity out of the Western Power Network; and The <i>consumer's facilities and equipment</i> comply with the technical rules <u>Technical Rules</u>, the <i>WA Electrical Requirements</i> and AS/<u>NZS</u> 3000; and Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> 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 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 <i>Reference Tariff</i> :	"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>reference service (metering)</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 contracted maximum demand at the <i>exit point</i> is greater than 1,000 kVA; 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 technical rules<i>Technical Rules</i>, the <i>WA Electrical Requirements</i> and AS/NZS 3000; and 4. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. 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 b. 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 <i>Reference Tariff</i> :	"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>reference service (metering)</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 contracted maximum demand at the <i>exit point</i> is greater than 1,000 kVA; 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 technical rules<i>Technical Rules</i>, the <i>WA Electrical Requirements</i> and AS/<i>NZS</i> 3000; and 4. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. 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 b. 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 <i>Reference Tariff</i> :	"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:	<p>An <i>exit service</i> combined with a <i>connection service</i> and a <i>reference service (metering)</i> at an <i>exit point</i> on the low voltage (415 volts or less) <i>distribution system</i> for the purpose of public streetlighting, plus the service of the provision and maintenance of the streetlighting assets.</p> <p>These streetlighting assets are designed for the environment they will operate in with input from the <i>user's</i> customer of this <i>service</i>. The streetlighting design occurs in accordance with the applicable streetlighting design standards (including AS/NZS 1158 and AS/NZS 60598) and regulatory requirements at the time of installation.</p> <p>Western Power will maintain the streetlighting assets to ensure that the streetlighting exit service continues to be provided to <u>original</u> design levels. Western Power will:</p> <ul style="list-style-type: none"> Inspect the streetlighting poles for structural and electrical integrity consistent with <i>good electricity industry practice</i> and relevant standards. Replace and reinforce the streetlighting poles consistent with <i>good electricity industry practice</i> and relevant standards. Repair the streetlighting assets including where damage occurs by third parties. Provide emergency response to incidents involving the streetlighting assets. Replace or repair the streetlighting lamps, luminaires, control equipment and supply wiring upon failure, damage or at the end of their serviceable life. <u>or damage.</u> Replace or repair the underground streetlighting supply cables and overhead conductors upon failure, damage or at the end of their serviceable life. Replace or repair the lamps and luminaires where upon investigation the lumen output no longer meets <u>original minimum</u> design levels. Provide a call centre and online facility to receive streetlighting fault information from the public and the <i>user's</i> customer of the <i>exit service</i> (typically the relevant local government authority). Maintain an inventory of the streetlighting assets to which the <i>exit service</i> applies including the date of installation of each asset, the type of asset, rated power and the location of the asset. Respond to questions from the <i>user's</i> customer of the <i>exit service</i> (typically the relevant local government authority) about in-service inventory within 20 working days.
Eligibility Criteria:	<p><i>Users</i> are eligible to use this <i>service</i> if:</p> <ol style="list-style-type: none"> The streetlight is a Western Power streetlight; and Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> The <i>tariff</i> that determines the <i>charge</i> is different to the Applicable <i>Reference Tariff</i> for this <i>service</i>; or 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> and a <i>reference service (metering)</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, except in the case of streetlights with smart control systems; 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. The installation of a <i>meter</i> 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 technical rules<i>Technical Rules</i>, the <i>WA Electrical Requirements</i> and AS/NZS<i>NZS</i> 3000; and 6. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. 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 b. 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 <i>Reference Tariff</i> :	"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>reference service (metering)</i> at an <i>exit point</i> on the <i>transmission 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>meter</i> is configured to measure the transfer of electricity out of the <i>Western Power Network</i>; and 2. The <i>consumer's facilities and equipment</i> comply with the technical rules<i>Technical Rules</i>, the <i>WA Electrical Requirements</i> and AS/NZS 3000; and 3. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The tariff that determines the <i>charge</i> is different to the <i>Applicable Reference Tariff</i> for this <i>service</i>; or b. 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 <i>Reference Tariff</i> :	"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> .

Reference Service Name:	Reference Service A12 – 3 Part 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>reference service (metering)</i> at an <i>exit 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>exit point</i> is located at the <i>residential premises</i> or premises occupied by a <i>voluntary/charitable organisation</i>; and 2. The <i>meter</i> is configured to measure the transfer of electricity out of the <i>Western Power Network</i> and if it is an <i>accumulation meter</i>, it is configured for time bands set out in the price list<i>Price List</i> for RT17; and 3. <u>This A12 – 3 Part Time of Use Energy (Residential) Exit Service:</u> <ol style="list-style-type: none"> a. <u>was provided at the <i>connection point</i> as at the <i>AA5 effective date</i>; and</u> b. <u>has continued to be provided at the <i>connection point</i> from the <i>AA5 effective date</i>; and</u> 3.4. The consumer's facilities and equipment comply with the technical rules<i>Technical Rules</i>, the <i>WA Electrical Requirements</i> and AS/<u>NZS</u> 3000; and 4.5. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The <i>tariff</i> that determines the <i>charge</i> is different to the <i>Applicable Reference Tariff</i> for this service; or b. 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 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 A13 – 3 Part 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>reference service (metering)</i> at an <i>exit 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>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. The <i>meter</i> is configured to measure the transfer of electricity out of the <i>Western Power Network</i> and if it is an <i>accumulation meter</i>, it is configured for time bands set out in the price list<i>Price List</i> for RT18; and 4. <u>This A13 – 3 Part Time of Use Energy (Business) Exit Service:</u> <ol style="list-style-type: none"> a. <u>was provided at the connection point as at the AA5 effective date; and</u> b. <u>has continued to be provided at the connection point from the AA5 effective date; and</u> 4.5. The consumer's facilities and equipment comply with the technical rules<i>Technical Rules</i>, the <i>WA Electrical Requirements</i> and AS/<i>NZS</i> 3000; and 5.6. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The <i>tariff</i> that determines the <i>charge</i> is different to the <i>Applicable Reference Tariff</i> for this service; or b. 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 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> .

Reference Service Name:	Reference Service A14 – 3 Part Time of Use Demand (Residential) Exit Service
Reference Service Description:	An <i>exit service</i> combined with a <i>connection service</i> and a <i>reference service (metering)</i> at an <i>exit 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 the <i>residential premises</i> or premises occupied by a <i>voluntary/charitable organisation</i>; and 2. The <i>meter</i> is configured to measure the transfer of electricity out of the <i>Western Power Network</i> and if it is an <i>accumulation meter</i>, it is configured for time bands set out in the price list<i>Price List</i> for RT19; and 3. <u>This A14 – 3 Part Time of Use Demand (Residential) Exit Service:</u> <ol style="list-style-type: none"> a. <u>was provided at the connection point as at the AA5 effective date; and</u> b. <u>has continued to be provided at the connection point from the AA5 effective date; and</u> 3.4. <u>The consumer's facilities and equipment comply with the technical rulesTechnical Rules, the WA Electrical Requirements and AS/NZS 3000; and</u> 4.5. <u>Each of the following does not apply under an agreement with Western Power:</u> <ol style="list-style-type: none"> a. 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 b. 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:	"RT19" 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 A15 – 3 Part Time of Use Demand (Business) Exit Service
Reference Service Description:	An <i>exit service</i> combined with a <i>connection service</i> and a <i>reference service (metering)</i> at an <i>exit 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 exit point 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. The <i>meter</i> is configured to measure the transfer of electricity out of the Western Power Network and if it is an <i>accumulation meter</i>, it is configured for time bands set out in the price list<i>Price List</i> for RT20; and 4. <u>This A15 – 3 Part Time of Use Demand (Business) Exit Service:</u> <ol style="list-style-type: none"> a. <u>was provided at the connection point as at the AA5 effective date; and</u> b. <u>has continued to be provided at the connection point from the AA5 effective date; and</u> 4.5. The consumer's facilities and equipment comply with the technical rules<i>Technical Rules</i>, the WA Electrical Requirements and AS/NZS 3000; and 5-6. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The <i>tariff</i> that determines the <i>charge</i> is different to the Applicable <i>Reference Tariff</i> for this <i>service</i>; or b. 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:	"RT20" 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 A16 – Multi Part 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>reference service (metering)</i> at an <i>exit 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 the <i>residential premises</i> or premises occupied by a <i>voluntary/charitable organisation</i>; and 2. The <i>meter</i> is configured to measure the transfer of electricity out of the <i>Western Power Network</i> and if it is an <i>accumulation meter</i>, it is configured for time bands set out in the price list<i>Price List</i> for RT21; and 3. <u>This A16 - Multi Part Time of Use Energy (Residential) Exit Service:</u> <ol style="list-style-type: none"> a. <u>was provided at the connection point as at the AA5 effective date; and</u> b. <u>has continued to be provided at the connection point from the AA5 effective date; and</u> 3.4. The consumer's facilities and equipment comply with the technical rules<i>Technical Rules</i>, the <i>WA Electrical Requirements</i> and AS/NZS 3000; and 4.5. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. 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 b. 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:	"RT21" 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 A17 – Multi Part 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>reference service (metering)</i> at an <i>exit 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>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. The <i>meter</i> is configured to measure the transfer of electricity out of the Western Power Network and if it is an <i>accumulation meter</i>, it is configured for time bands set out in the price list for RT22; and<u>The consumer's facilities and equipment comply with the technical rules, the WA Electrical Requirements and AS 3000</u>Price List for RT22; and 4. <u>This A17 – Multi Part Time of Use Energy (Residential) Exit Service:</u> <ol style="list-style-type: none"> a. <u>was provided at the connection point as at the AA5 effective date; and</u> b. <u>has continued to be provided at the connection point from the AA5 effective date; and</u> 5. <u>The consumer's facilities and equipment comply with the Technical Rules, the WA Electrical Requirements and AS/NZS 3000; and</u> 4-6. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. 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 b. 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:	"RT22" 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 A18 – Super Off-peak Energy (Residential) Exit Service
<u>Reference Service Description:</u>	<u>An exit service combined with a connection service and a reference service (metering) at an exit point on the low voltage (415 volts or less) distribution system.</u>
<u>Eligibility Criteria:</u>	<p><u>Users are eligible to use this service if:</u></p> <ol style="list-style-type: none"> <u>1. The exit point is located at residential premises or premises occupied by a voluntary/charitable organisation; and</u> <u>2. The meter is configured to measure the transfer of electricity out of the Western Power Network and if it is an accumulation meter, it is configured for time bands set out in the Price List for RT34; and</u> <u>3. The consumer's facilities and equipment comply with the Technical Rules, the WA Electrical Requirements, and AS/NZS 3000; and</u> <u>4. Each of the following does not apply under an agreement with Western Power:</u> <ol style="list-style-type: none"> <u>a. The tariff that determines the charge is different to the Applicable Reference Tariff for this service; or</u> <u>b. The user is to receive delivered electricity at a service standard different to the Applicable Service Standard Benchmarks for this service.</u>
<u>Applicable Reference Tariff:</u>	<u>"RT34" in the applicable Price List published in Appendix F of the access arrangement.</u>
<u>Applicable Standard Access Contract:</u>	<u>"Electricity Transfer Access Contract" published in Appendix A of the access arrangement.</u>
<u>Applicable Service Standard Benchmarks:</u>	<u>As set out in section 4.2 of the access arrangement.</u>

Reference Service Name:	Reference Service A19 – Super Off-peak Energy (Business) Exit Service
Reference Service Description:	<u>An exit service combined with a connection service and a reference service (metering) at an exit point on the low voltage (415 volts or less) distribution system.</u>
Eligibility Criteria:	<p><u>Users are eligible to use this service if:</u></p> <ol style="list-style-type: none"> <u>1. The exit point is located at non-residential premises; and</u> <u>2. The maximum demand at the exit point is less than 1,500 kVA based on historic metering data or Western Power determines, as a reasonable and prudent person, that the user's forecast maximum demand will be less than 1,500 kVA; and</u> <u>3. The meter is configured to measure the transfer of electricity out of the Western Power Network and if it is an accumulation meter, it is configured for time bands set out in the Price List for RT35; and</u> <u>4. The consumer's facilities and equipment comply with the Technical Rules, the WA Electrical Requirements, and AS/NZS 3000; and</u> <u>5. Each of the following does not apply under an agreement with Western Power:</u> <ol style="list-style-type: none"> <u>a. The tariff that determines the charge is different to the Applicable Reference Tariff for this service; or</u> <u>b. The user is to receive delivered electricity at a service standard different to the Applicable Service Standard Benchmarks for this service.</u>
Applicable Reference Tariff:	<u>"RT35" in the applicable Price List published in Appendix F of the access arrangement.</u>
Applicable Standard Access Contract:	<u>"Electricity Transfer Access Contract" published in Appendix A of the access arrangement.</u>
Applicable Service Standard Benchmarks:	<u>As set out in section 4.2 of the access arrangement.</u>

3. Reference Services (Entry Services)

Western Power offers 3 *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>reference service (metering)</i> on the <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>meter</i> is configured to measure the transfer of electricity into the <i>Western Power Network</i>; and 2. The <i>generator's facilities and equipment</i> comply with the technical rules<u>Technical Rules, the WEM Rules</u>, the <i>WA Electrical Requirements</i> and <i>AS/NZS 3000</i>; and 3. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The <i>tariff</i> that determines the <i>charge</i> is different to the <i>Applicable Reference Tariff</i> for this service; or b. 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 service.
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:	<p>"Electricity Transfer Access Contract" published in Appendix A of the <i>access arrangement</i>.</p> <p><u>As from 18 September 2020 an Electricity Transfer Access Contract may only be entered into on terms consistent with section 2.4C of the Access Code.</u></p>
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>reference service (metering)</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. The <i>meter</i> is configured to measure the transfer of electricity into the <i>Western Power Network</i>; and 2. The <i>generator's facilities and equipment</i> comply with the technical rules<i>Technical Rules, the WEM Rules</i>, the <i>WA Electrical Requirements</i> and AS/NZS 3000; and 3. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. 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 b. 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:	"TRT2" in the applicable <i>Price List</i> published in Appendix F of the <i>access arrangement</i> .
Applicable Standard Access Contract:	<p>"Electricity Transfer Access Contract" published in Appendix A of the <i>access arrangement</i>.</p> <p><u>As from 18 September 2020 an Electricity Transfer Access Contract may only be entered into on terms consistent with section 2.4C of the Access Code.</u></p>
Applicable Service Standard Benchmarks:	As set out in Section 4.3 of the <i>access arrangement</i> .

Reference Service Name:	Reference Service B3 – Entry Service Facilitating a Distributed Generation or Other Non-Network Solution
Reference Service Description:	<p>An entry service provided on the same basis as entry service B1 in circumstances where this service provides for facilities and equipment connected behind a connection point (including comprising distributed generating plant and/or other non-network solutions) connected at a connection point that results in Western Power’s capital-related costs or non-capital costs reducing as a result of the entry point for the distributed generating plant or other non-network solution being located in that particular part of the covered network.</p> <p>(Note: a ‘thin connection’ that involves the export of electricity onto the Western Power Network or the provision of another network support service may be eligible for this reference service.)</p>
Eligibility Criteria:	<p>Users are eligible to use this service if:</p> <ol style="list-style-type: none"> 1. All of the eligibility criteria for entry service B1 are met: and 2. The user has submitted an electricity transfer application for a Distributed Generation or Other Non-Network Solution Service and that application is approved this service.
Applicable Reference Tariff:	“RT23” in the applicable Price List published in Appendix F of the access arrangement.
Applicable Standard Access Contract:	“Electricity Transfer Access Contract” published in Appendix A of the access arrangement.
Applicable Service Standard Benchmarks:	As set out in Section 4.3 of the access arrangement.

4. Reference Services (Bi-directional Services)

Western Power offers ~~1522~~ bi-directional services as reference services.

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

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>reference service (metering)</i> at a <i>bi-directional point</i> on the low voltage (415 volts or less) <i>distribution system</i> -or on the high voltage (6.6kV or higher) distribution system.
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. <u>One of the following applies:</u> <ol style="list-style-type: none"> a. <u>it is a low voltage <i>connection point</i> and the maximum demand at the <i>bi-directional point</i> is less than 1,500 kVA based on historic metering data; or</u> b. <u>it is a low voltage <i>connection point</i> and 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; or</u> c. <u>it is a high voltage (6.6kV or higher) <i>connection point</i> with throughput equal to zero for a period of greater than 12 months; and</u> 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 technical rules, and satisfies a technical assessment by Western Power for installations larger than 30kVA/NZS 4777 and the Technical Rules; and 5. The <i>consumer's facilities and equipment</i> comply with the technical rules <u>Technical Rules</u>, the <i>WA Electrical Requirements</i> and AS/NZS 3000; and 6. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The <i>tariff</i> that determines the <i>charge</i> is different to the <i>Applicable Reference Tariff</i> for this service; or b. 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 service.
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>reference service (metering)</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 residential premises 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. The <i>meter</i> is configured to measure the transfer of electricity into and out of the <i>Western Power Network</i> for the time bands set out in the price list <i>Price List</i> for RT15; and 3. This C3 – Time of Use Energy (Residential) – Bi-Directional <i>directional</i> 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 4. The <i>consumer's</i> inverter system complies with the requirements of AS/<u>NZS</u> 4777 and the technical rules <i>Technical Rules</i>; and 5. The <i>consumer's facilities and equipment</i> comply with the technical rules <i>Technical Rules</i>, the <i>WA Electrical Requirements</i> and AS/<u>NZS</u> 3000; and 6. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The <i>tariff</i> that determines the <i>charge</i> is different to the <i>Applicable Reference Tariff</i> for this service; or b. 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 service.
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>reference service (metering)</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. The <i>meter</i> is configured to measure the transfer of electricity into and out of the <i>Western Power Network</i> for the time bands set out in the price list<u>Price List</u> for RT16; and 3. 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 4. The <i>consumer's</i> inverter system complies with the requirements of AS-4777 and the technical rules, and satisfies a technical assessment by Western Power for installations larger than 30kVA<u>/NZS 4777 and the Technical Rules</u>; and 5. The <i>consumer's</i> facilities and equipment comply with the technical rules<u>Technical Rules</u>, the <i>WA Electrical Requirements</i> and AS/<u>NZS</u> 3000; and 6. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The <i>tariff</i> that determines the <i>charge</i> is different to the <i>Applicable Reference Tariff</i> for this service; or b. 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 service.
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>reference service (metering)</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>bi-directional 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. 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 facilities and equipment</i> comply with the technical rules<u>Technical Rules</u>, the <i>WA Electrical Requirements</i> and AS/<u>NZS</u> 3000; and 5. The premises have an inverter system rated up to a total of 1 MVA for single or three-phase connections; and 6. The <i>consumer's</i> inverter system complies with the requirements of AS-4777 and the technical rules, and satisfies a technical assessment by Western Power for installations larger than 30kVA<u>NZS 4777 and the Technical Rules</u>; and 7. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The <i>tariff</i> that determines the <i>charge</i> is different to the <i>Applicable Reference Tariff</i> for this service; or b. 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 service.
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 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>reference service (metering)</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>; 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. 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 facilities and equipment</i> comply with the technical rules<u>Technical Rules</u>, the <i>WA Electrical Requirements</i> and AS/<u>NZS</u> 3000; and 5. The premises have an inverter system rated up to a total of 1 MVA for single or three-phase connections; and 6. The <i>consumer's</i> inverter system complies with the requirements of AS-4777 and the technical rules, and satisfies a technical assessment by Western Power for installations larger than 30kVA<u>NZS 4777 and the Technical Rules</u>; and 7. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The <i>tariff</i> that determines the <i>charge</i> is different to the <i>Applicable Reference Tariff</i> for this service; or b. 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 service.
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 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>reference service (metering)</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>bi-directional 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. 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 facilities and equipment</i> comply with the technical rules<u>Technical Rules</u>, the <i>WA Electrical Requirements</i> and AS/<u>NZS</u> 3000; and 5. The premises have an inverter system rated up to a total of 1 MVA for single or three-phase connections; and 6. The <i>consumer's inverter system</i> complies with the requirements of AS-4777 and the technical rules, and satisfies a technical assessment by Western Power for installations larger than 30kVA<u>NZS 4777 and the Technical Rules</u>; and 7. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The <i>tariff</i> that determines the <i>charge</i> is different to the <i>Applicable Reference Tariff</i> for this service; or b. 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 service.
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>reference service (metering)</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>; and 2. The contracted maximum demand at the <i>bi-directional point</i> is greater than 1,000 kVA; 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 facilities and equipment</i> comply with the technical rules<u>Technical Rules</u>, the <i>WA Electrical Requirements</i> and AS/<u>NZS</u> 3000; and 5. The premises have an inverter system rated up to a total of 1 MVA for single or three-phase connections; and 6. The <i>consumer's inverter system</i> complies with the requirements of AS-4777 and the technical rules, and satisfies a technical assessment by Western Power for installations larger than 30kVA<u>NZS 4777 and the Technical Rules</u>; and 7. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The <i>tariff</i> that determines the <i>charge</i> is different to the <i>Applicable Reference Tariff</i> for this service; or b. 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 service.
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 C9 – 3 Part 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>reference service (metering)</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. The <i>meter</i> is configured to measure the transfer of electricity into and out of the Western Power Network for the time bands set out in the <i>price list</i> for RT17; and 3. <u>This C9 – 3 Part Time of Use Energy (Residential) – Bi-directional Service:</u> <ol style="list-style-type: none"> a. <u>was provided at the connection point as at the AA5 effective date; and</u> b. <u>has continued to be provided at the connection point from the AA5 effective date; and</u> 3.4. The <i>consumer's</i> inverter system complies with the requirements of AS/NZS 4777 and the technical rules<u>Technical Rules</u>; and 4.5. The <i>consumer's</i> facilities and equipment comply with the technical rules<u>Technical Rules</u>, the <i>WA Electrical Requirements</i> and AS/NZS 3000; and 5.6. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. 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 b. 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:	"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 C10 – 3 Part 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>reference service (metering)</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 <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. The <i>meter</i> is configured to measure the transfer of electricity into and out of the <i>Western Power Network</i> for the time bands set out in the price list<i>Price List</i> for RT18; and <p><u>3. This C10 – 3 Part Time of Use Energy (Business) – Bi-directional Service:</u></p> <ol style="list-style-type: none"> a. <u>was provided at the <i>connection point</i> as at the <i>AA5 effective date</i>; and</u> b. <u>has continued to be provided at the <i>connection point</i> from the <i>AA5 effective date</i>; and</u> <p>3.4. <u>3.4.</u> The <i>consumer's</i> inverter system complies with the requirements of AS/<i>NZS</i> 4777 and the technical rules, and satisfies a technical assessment by Western Power for installations larger than 30kVA<i>Technical Rules</i>; and</p> <p>4.5. <u>4.5.</u> The <i>consumer's</i> facilities and equipment comply with the technical rules<i>Technical Rules</i>, the <i>WA Electrical Requirements</i> and AS/<i>NZS</i> 3000; and</p> <p>5.6. <u>5.6.</u> Each of the following does not apply under an agreement with Western Power:</p> <ol style="list-style-type: none"> a. 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 b. 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:	"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> .

Reference Service Name:	Reference Service C11 – 3 Part Time of Use Demand (Residential) Bi-directional Service
Reference Service Description:	A <i>bi-directional service</i> combined with a <i>connection service</i> and a <i>reference service (metering)</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 residential premises 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. The <i>meter</i> is configured to measure the transfer of electricity into and out of the <i>Western Power Network</i> for the time bands set out in the price list for RT19; and The consumer's inverter system complies with the requirements of AS 4777 and the technical rules <i>Price List for RT19</i>; and 3. <u>This C11 – 3 Part Time of Use Demand (Residential) Bi-directional Service:</u> <ol style="list-style-type: none"> a. <u>was provided at the connection point as at the AA5 effective date; and</u> b. <u>has continued to be provided at the connection point from the AA5 effective date; and</u> 4. <u>The consumer's inverter system complies with the requirements of AS/NZS 4777 and the Technical Rules; and</u> 3-5. <u>The consumer's facilities and equipment comply with the technical rules Technical Rules, the WA Electrical Requirements and AS/NZS 3000; and</u> 4-6. <u>Each of the following does not apply under an agreement with Western Power:</u> <ol style="list-style-type: none"> a. The <i>tariff</i> that determines the <i>charge</i> is different to the <i>Applicable Reference Tariff</i> for this service; or b. 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 service.
Applicable Reference Tariff:	"RT19" 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 C12 – 3 Part Time of Use Demand (Business) Bi-directional Service
Reference Service Description:	A <i>bi-directional service</i> combined with a <i>connection service</i> and a <i>reference service (metering)</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. The <i>meter</i> is configured to measure the transfer of electricity into and out of the <i>Western Power Network</i> for the time bands set out in the price list<i>Price List</i> for RT20; and 3. <u>This C12 – 3 Part Time of Use Demand (Business) Bi-directional Service:</u> <ol style="list-style-type: none"> a. <u>was provided at the connection point as at the AA5 effective date; and</u> b. <u>has continued to be provided at the connection point from the AA5 effective date; and</u> 3.4. <u>The consumer's inverter system complies with the requirements of AS/NZS 4777 and the technical rules, and satisfies a technical assessment by Western Power for installations larger than 30kVA</u><i>Technical Rules</i>; and 4.5. <u>The consumer's facilities and equipment comply with the technical rules</u><i>Technical Rules</i>, the <i>WA Electrical Requirements</i> and AS/NZS 3000; and 5.6. <u>Each of the following does not apply under an agreement with Western Power:</u> <ol style="list-style-type: none"> a. <u>The tariff that determines the charge is different to the Applicable Reference Tariff for this service; or</u> b. <u>The user is to receive delivered electricity at a service standard different to the Applicable Service Standard Benchmarks for this service.</u>
Applicable Reference Tariff:	"RT20" 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 C13 – Multi Part 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>reference service (metering)</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 residential premises 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. The <i>meter</i> is configured to measure the transfer of electricity into and out of the <i>Western Power Network</i> for the time bands set out in the price list<i>Price List</i> for RT21; and 3. <u>This C13 – Multi Part Time of Use Energy (Residential) Bi-directional Service:</u> <ol style="list-style-type: none"> a. <u>was provided at the connection point as at the AA5 effective date; and</u> b. <u>has continued to be provided at the connection point from the AA5 effective date; and</u> 3.4. <u>The consumer's inverter system complies with the requirements of AS/NZS 4777 and the technical rulesTechnical Rules; and</u> 4.5. <u>The consumer's facilities and equipment comply with the technical rulesTechnical Rules, the WA Electrical Requirements and AS/NZS 3000; and</u> 5.6. <u>Each of the following does not apply under an agreement with Western Power:</u> <ol style="list-style-type: none"> a. <u>The tariff that determines the charge is different to the Applicable Reference Tariff for this service; or</u> b. <u>The user is to receive delivered electricity at a service standard different to the Applicable Service Standard Benchmarks for this service.</u>
Applicable Reference Tariff:	"RT21" 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 C14 – Multi Part 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>reference service (metering)</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. The <i>meter</i> is configured to measure the transfer of electricity into and out of the <i>Western Power Network</i> for the time bands set out in the price list<i>Price List</i> for RT22; and 5. <u>This C14 – Multi Part Time of Use Energy (Business) Bi-directional Service:</u> <ol style="list-style-type: none"> a. <u>was provided at the connection point as at the AA5 effective date; and</u> b. <u>has continued to be provided at the connection point from the AA5 effective date; and</u> 3. The <i>consumer's</i> inverter system complies with the requirements of AS/NZS 4777 and the technical rules, and satisfies a technical assessment by Western Power for installations larger than 30kVA<i>Technical Rules</i>; and 4. The <i>consumer's facilities and equipment</i> comply with the technical rules<i>Technical Rules</i>, the <i>WA Electrical Requirements</i> and AS/NZS 3000; and 5. Each of the following does not apply under an agreement with Western Power: <ol style="list-style-type: none"> a. The <i>tariff</i> that determines the <i>charge</i> is different to the <i>Applicable Reference Tariff</i> for this service; or b. 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 service.
Applicable Reference Tariff:	"RT22" 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 C15 – Bi-directional Service Facilitating a Distributed Generation or Other Non-Network Solution
Reference Service Description:	<p>A bi-directional service provided on the same basis as bi-directional services C1 to C14 and C16 to C22 (selected by the user) circumstances where this service which provides for facilities and equipment connected behind a connection point (including comprising distributed generating plant and/or other non-network solutions) connected at a connection point that results in Western Power’s capital-related costs or non-capital costs reducing as a result of the entry point for the distributed generating plant or other non-network solution being located in that particular part of the covered network.</p> <p>(Note: a ‘thin connection’ that involves the export of electricity onto the Western Power Network or the provision of another network support service may be eligible for this reference service.)</p>
9. Eligibility Criteria:	<p>Users are eligible to use this service if:</p> <ol style="list-style-type: none"> 1. All of the eligibility criteria for bi-directional services C1 or to C14 <u>and C16 to C22</u> (as applicable) are met. 2. The user has submitted an <i>electricity transfer application</i> for a Distributed Generation or Other Non-Network Solution Service and that application is <u>approved this service</u>.
Applicable Reference Tariff:	“RT24” 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 C16 –Super Off-peak Energy (Residential) Bi-directional Service
Reference Service Description:	<u>A bi-directional service combined with a connection service and a reference service (metering) at a bi-directional point on the low voltage (415 volts or less) distribution system.</u>
Eligibility Criteria:	<p><u>Users are eligible to use this service if:</u></p> <ol style="list-style-type: none"> <u>1. The bi-directional point is located at residential premises or premises occupied by a voluntary/charitable organisation; and</u> <u>2. The meter is configured to measure the transfer of electricity into and out of the Western Power Network for the time bands set out in the Price List for RT36; and</u> <u>3. The consumer's inverter system complies with the requirements of AS/NZS 4777 and the Technical Rules; and</u> <u>4. The consumer's facilities and equipment comply with the Technical Rules, the WA Electrical Requirements and AS/NZS 3000; and</u> <u>5. Each of the following does not apply under an agreement with Western Power:</u> <ol style="list-style-type: none"> <u>a. The tariff that determines the charge is different to the Applicable Reference Tariff for this service; or</u> <u>b. The user is to receive delivered electricity at a service standard different to the Applicable Service Standard Benchmarks for this service.</u>
Applicable Reference Tariff:	<u>"RT36" in the applicable Price List published in Appendix F of the access arrangement.</u>
Applicable Standard Access Contract:	<u>"Electricity Transfer Access Contract" published in Appendix A of the access arrangement.</u>
Applicable Service Standard Benchmarks:	<u>As set out in section 4.2 of the access arrangement.</u>

Reference Service Name:	Reference Service C17 – Super Off-peak Energy (Business) Bi-directional Service
Reference Service Description:	<u>A bi-directional service combined with a connection service and a reference service (metering) at a bi-directional point on the low voltage (415 volts or less) distribution system.</u>
Eligibility Criteria:	<p><u>Users are eligible to use this service if:</u></p> <ol style="list-style-type: none"> <u>1. The bi-directional point is located at non-residential premises with an inverter system rated up to a total of 1 MVA for single or three-phase connections; and</u> <u>2. The meter is configured to measure the transfer of electricity into and out of the Western Power Network for the time bands set out in the Price List for RT37; and</u> <u>3. The consumer's inverter system complies with the requirements of AS/NZS 4777 and the Technical Rules; and</u> <u>4. The consumer's facilities and equipment comply with the Technical Rules, the WA Electrical Requirements and AS/NZS 3000; and</u> <u>5. Each of the following does not apply under an agreement with Western Power:</u> <ol style="list-style-type: none"> <u>a. The tariff that determines the charge is different to the Applicable Reference Tariff for this service; or</u> <u>b. The user is to receive delivered electricity at a service standard different to the Applicable Service Standard Benchmarks for this service.</u>
Applicable Reference Tariff:	<u>"RT37" in the applicable Price List published in Appendix F of the access arrangement.</u>
Applicable Standard Access Contract:	<u>"Electricity Transfer Access Contract" published in Appendix A of the access arrangement.</u>
Applicable Service Standard Benchmarks:	<u>As set out in section 4.2 of the access arrangement.</u>

Reference Service Name:	Reference Service C18 – Low Voltage Distribution Storage Service
<u>Reference Service Description:</u>	<u>A bi-directional service for storage activity combined with a connection service and a reference service (metering) at a bi-directional point on the low voltage (415 volts or less) distribution system.</u>
<u>Eligibility Criteria:</u>	<p><u>Users are eligible to use this service if:</u></p> <ol style="list-style-type: none"> <u>1. The bi-directional point is located at non-residential premises; and</u> <u>2. The maximum demand at the bi-directional point is less than 1,500 kVA based on historic metering data or Western Power determines, as a reasonable and prudent person, that the user's forecast maximum demand will be less than 1,500 kVA; and</u> <u>3. The meter is configured to measure the transfer of electricity into and out of the Western Power Network for the time bands set out in the Price List for RT38; and</u> <u>4. The connection point will use storage works for the sole purpose of storage activity; and</u> <u>5. The consumer's inverter system complies with the requirements of AS/NZS 4777 and the Technical Rules; and</u> <u>6. The premises have an inverter system rated up to a total of 1 MVA for single or three-phase connections; and</u> <u>7. The consumer's facilities and equipment comply with the Technical Rules, the WA Electrical Requirements and AS/NZS 3000; and</u> <u>8. Each of the following does not apply under an agreement with Western Power:</u> <ol style="list-style-type: none"> <u>a. The tariff that determines the charge is different to the Applicable Reference Tariff for this service; or</u> <u>b. The user is to receive delivered electricity at a service standard different to the Applicable Service Standard Benchmarks for this service.</u>
<u>Applicable Reference Tariff:</u>	<u>"RT38" in the applicable Price List published in Appendix F of the access arrangement.</u>
<u>Applicable Standard Access Contract:</u>	<u>"Electricity Transfer Access Contract" published in Appendix A of the access arrangement.</u>
<u>Applicable Service Standard Benchmarks:</u>	<u>As set out in section 4.2 of the access arrangement.</u>

Reference Service Name:	Reference Service C19 – High Voltage Distribution Storage Service
<u>Reference Service Description:</u>	<u>A bi-directional service for storage activity combined with a connection service and a reference service (metering) at a bi-directional point on the high voltage (6.6 kV or higher) distribution system.</u>
<u>Eligibility Criteria:</u>	<p><u>Users are eligible to use this service if:</u></p> <ol style="list-style-type: none"> <u>1. The bi-directional point is located at non-residential premises; and</u> <u>2. The contracted maximum demand at the bi-directional point is greater than 1,000 kVA; and</u> <u>3. The meter is configured to measure the transfer of electricity into and out of the Western Power Network; and</u> <u>4. The connection point will use storage works for the sole purpose of storage activity; and</u> <u>5. The consumer's facilities and equipment comply with the Technical Rules, the WA Electrical Requirements and AS/NZS 3000; and</u> <u>6. The consumer's inverter system complies with the requirements of AS 4777 and the Technical Rules; and</u> <u>7. Each of the following does not apply under an agreement with Western Power:</u> <ol style="list-style-type: none"> <u>a. The tariff that determines the charge is different to the Applicable Reference Tariff for this service; or</u> <u>b. The user is to receive delivered electricity at a service standard different to the Applicable Service Standard Benchmarks for this service.</u>
<u>Applicable Reference Tariff:</u>	<u>"RT39" in the applicable Price List published in Appendix F of the access arrangement.</u>
<u>Applicable Standard Access Contract:</u>	<u>"Electricity Transfer Access Contract" published in Appendix A of the access arrangement.</u>
<u>Applicable Service Standard Benchmarks:</u>	<u>As set out in section 4.2 of the access arrangement.</u>

Reference Service Name:	Reference Service C20 – Transmission Storage Service
Reference Service Description:	<i>A bi-directional service for storage activity combined with a connection service and a reference service (metering) at a bi-directional point on the Transmission system.</i>
Eligibility Criteria:	<p><i>Users are eligible to use this service if:</i></p> <ol style="list-style-type: none"> <i>1. The meter is configured to measure the transfer of electricity into and out of the Western Power Network; and</i> <i>2. The connection point will use storage works for the sole purpose of storage activity; and</i> <i>3. The consumer's facilities and equipment comply with the Technical Rules, the WA Electrical Requirements and AS/NZS 3000; and</i> <i>4. Each of the following does not apply under an agreement with Western Power:</i> <ol style="list-style-type: none"> <i>a. The tariff that determines the charge is different to the Applicable Reference Tariff for this service; or</i> <i>b. The user is to receive delivered electricity at a service standard different to the Applicable Service Standard Benchmarks for this service.</i>
Applicable Reference Tariff:	<i>"TRT3" in the applicable Price List published in Appendix F of the access arrangement.</i>
Applicable Standard Access Contract:	<i>"Electricity Transfer Access Contract" published in Appendix A of the access arrangement.</i>
Applicable Service Standard Benchmarks:	<i>As set out in section 4.2 of the access arrangement.</i>

Reference Service Name:	Reference Service C21 – Low Voltage Electric Vehicle Charging Service
Reference Service Description:	<i>A bi-directional service combined with a connection service and a reference service (metering) at a bi-directional point on the low voltage (415 volts or less) distribution system.</i>
Eligibility Criteria:	<p><i>Users are eligible to use this service if:</i></p> <ol style="list-style-type: none"> <i>1. The bi-directional point is located at non-residential premises; and</i> <i>2. The connection point will be used for the sole purpose of charging electric vehicles; and</i> <i>3. The maximum demand at the bi-directional point is less than 1,500 kVA based on historic metering data or Western Power determines, as a reasonable and prudent person, that the user's forecast maximum demand will be less than 1,500 kVA; and</i> <i>4. The meter is configured to measure the transfer of electricity into and out of the Western Power Network; and</i> <i>5. The consumer's facilities and equipment comply with the Technical Rules, the WA Electrical Requirements and AS/NZS 3000; and</i> <i>6. The premises have an inverter system rated up to a total of 1 MVA for single or three-phase connections; and</i> <i>7. The consumer's inverter system complies with the requirements of AS 4777 and the Technical Rules; and</i> <i>8. Each of the following does not apply under an agreement with Western Power:</i> <ol style="list-style-type: none"> <i>a. The tariff that determines the charge is different to the Applicable Reference Tariff for this service; or</i> <i>b. The user is to receive delivered electricity at a service standard different to the Applicable Service Standard Benchmarks for this service.</i>
Applicable Reference Tariff:	<i>"RT40" in the applicable Price List published in Appendix F of the access arrangement.</i>
Applicable Standard Access Contract:	<i>"Electricity Transfer Access Contract" published in Appendix A of the access arrangement.</i>
Applicable Service Standard Benchmarks:	<i>As set out in section 4.2 of the access arrangement.</i>

Reference Service Name:	Reference Service C22 – High Voltage Electric Vehicle Charging Service
Reference Service Description:	<i>An exit service combined with a connection service and a reference service (metering) at an exit point on the high voltage (6.6 kV or higher) distribution system.</i>
Eligibility Criteria:	<p><i>Users are eligible to use this service if:</i></p> <ol style="list-style-type: none"> <i>1. The bi-directional point is located at non-residential premises; and</i> <i>2. The connection point will be used for the sole purpose of charging electric vehicles; and</i> <i>3. The contracted maximum demand at the bi-directional point is greater than 1,000 kVA; and</i> <i>4. The meter is configured to measure the transfer of electricity into and out of the Western Power Network; and</i> <i>5. The consumer's facilities and equipment comply with the Technical Rules, the WA Electrical Requirements, WA Service and Installation Requirements and AS/NZS 3000; and</i> <i>6. The consumer's inverter system complies with the requirements of AS 4777 and the Technical Rules; and</i> <i>7. Each of the following does not apply under an agreement with Western Power:</i> <ol style="list-style-type: none"> <i>a. The tariff that determines the charge is different to the Applicable Reference Tariff for this service; or</i> <i>b. The user is to receive delivered electricity at a service standard different to the Applicable Service Standard Benchmarks for this service.</i>
Applicable Reference Tariff:	<i>"RT41" in the applicable Price List published in Appendix F of the access arrangement.</i>
Applicable Standard Access Contract:	<i>"Electricity Transfer Access Contract" published in Appendix A of the access arrangement.</i>
Applicable Service Standard Benchmarks:	<i>As set out in section 4.2 of the access arrangement.</i>

5. Reference Services (ancillary)

Western Power offers 9 services at a *connection point* as a *reference service* (ancillary).

Reference Service Name:	Reference Service D1 – Supply Abolishment Service
Reference Service Description:	A service ancillary to an <i>exit service</i> , <i>entry service</i> or <i>bi-directional service</i> to permanently disconnect electricity supply, remove the <i>meter</i> and abolish the <i>connection point</i> .
Eligibility Criteria:	<p>Users are eligible to use this service if:</p> <ol style="list-style-type: none"> 1. The user has submitted an <i>electricity transfer application</i> to abolish an existing <i>connection point</i> in accordance with the <i>Applications and Queuing Policy</i> and in accordance with the provisions of its <i>access contract</i>; and 2. The user has an <i>exit service</i>, <i>entry service</i> or <i>bi-directional service</i> at the <i>connection point</i>; and 3. The user has an <i>access contract</i> and the Supply Abolishment Service is required at a connection point specified in that <i>access contract</i>; and 4. The consumer's facilities and equipment can be safely disconnected in accordance with <i>good electricity industry practice</i>.
Applicable Reference Tariff:	"RT25" 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 4.5 of the <i>access arrangement</i> .

Reference Service Name:	Reference Service D2 –Capacity Allocation Swap (Nominator) (Business) Service
Reference Service Description:	<p>A service ancillary to:</p> <ul style="list-style-type: none"> • exit services A7, A8 and A11; • entry services B1 and B2; and • bi-directional services C7 and C8, C19, C20, and C22, <p>under which a <i>user's</i> contracted capacity is decreased at one or more <i>connection points</i> under its <i>access contract</i> and there is a corresponding increase in contracted capacity at one or more <i>connection points</i> under its own <i>access contracts</i> or <i>connection points</i> under another <i>user's access contract</i> for one or more <i>intra day</i><i>intraday</i> periods for a clearly specified period of time nominated by the <i>user</i> following which the contracted capacity under the <i>user's access contract</i> is reinstated-, or</p> <p><u>under which a <i>user's</i> contracted capacity at a <i>connection point</i> is decreased under its <i>access contract</i> (expressed as a percentage of that contracted capacity (CMD)) for a clearly specified period of time and there is a corresponding increase in contracted capacity to another <i>user</i> at the same <i>connection point</i> under its <i>access contract</i>.</u></p> <p><u>The allocated capacity is not further transferable or otherwise delegable.</u></p> <p><u>At the end of the specified period the contracted capacity under the <i>user's access contract</i> is reinstated.</u></p>

Reference Service Name:	Reference Service D2 –Capacity Allocation Swap (Nominator) (Business) Service
Eligibility Criteria:	<p>Users are eligible to use this service if:</p> <ol style="list-style-type: none"> 1. The user has submitted an <i>electricity transfer application</i> to decrease<u>transfer</u> its contracted capacity at one or more <i>connection points</i> <u>by an equivalent amount</u> and that application is approved; and 2. Western Power receives a corresponding electricity transfer application to increase contracted capacity at one or more connection points pursuant to reference service D3 and that application is approved; and 3.2. All of the <i>eligibility criteria</i> for the <i>reference services</i> at the <i>connection points</i> are met; and 4.3. The increase and decrease of contracted capacity relates<u>relate</u> to either contracted maximum demand (CMD) or declared sent out capacity (DSOC) (not both); and <u>4. The same reference service is provided at the connection point to each user; and</u> 5. The user has an <i>access contract</i> and the Capacity Allocation Swap Service is required at a <i>connection point</i> specified in that <i>access contract</i>; and 6. The <i>Western Power Network</i> has the technical capability to give effect to the <u>increase and</u> decrease of contracted capacity; and 7. The service does not include any material modification of the <i>facilities and equipment</i> connected at an existing <i>connection point</i>; and 8. No further augmentation of the <i>Western Power Network</i> is required to facilitate the capacity allocation arrangements; and 9. A<u>Terms and conditions, incorporating an</u> operating document setting out the practical, technical and other operational details of the capacity allocation (swap) arrangements has<u>have</u> been agreed between the <i>user(s)</i> at the relevant <i>connection points</i> and Western Power; and <u>10.</u> The provision of the <i>service</i> does not result in the <i>user/s</i>, Western Power, <i>system management</i> or the <i>market operator</i> being unable to comply with their obligations under the Wholesale Electricity Market<u>WEM</u> Rules; and <u>11. Where it is at the same connection point:</u> <ol style="list-style-type: none"> <u>a. Each user at the connection point has agreed with Western Power for Western Power to freely provide energy data to each user (and to the market operator) to give effect to the capacity allocation arrangements; and</u> <u>a.b. Each user at the connection point enters into a deed with the benefit to Western Power covenanting that they are jointly and severally liable for each other's contractual and other regulatory obligations in respect to the connection point.</u>
Applicable Reference Tariff:	Any applicable lodgement fees payable in accordance with the <i>Applications and Queuing Policy</i> .
Applicable Standard Access Contract:	"Electricity Transfer Access Contract" published in Appendix A of the <i>access arrangement</i> .
Applicable Service Standard Benchmarks:	<p>The service standard benchmarks (set out in Section 4.2 of the <i>access arrangement</i>) that apply to:</p> <ol style="list-style-type: none"> 1. <i>exit services</i> A7, A8 and A11; 2. <i>entry services</i> B1 and B2; and 3. <i>bi-directional services</i> C7, <u>C8, C19, C20</u> and C8C22. <p>(as applicable).</p>

Reference Service Name:	Reference Service D3—Capacity Allocation Swap (Nominee) (Business) Service	
Reference Service Description:	<p>A service ancillary to:</p> <ul style="list-style-type: none"> • exit services A7, A8 and A11; • entry services B1 and B2; and • bi-directional services C7 and C8, <p>under which a user's contracted capacity is increased at one or more connection points under its access contract and there is a corresponding decrease in contracted capacity at one or more connection points under its own access contracts or connection points under another user's access contract for one or more intra day period for a clearly specified period of time nominated by the user following which the contracted capacity under the user's access contract is reinstated.</p>	
Eligibility Criteria:	<p>Users are eligible to use this service if:</p> <ol style="list-style-type: none"> 13. The user has submitted an <i>electricity transfer application</i> to increase its contracted capacity at one or more connection points and that application is approved; and 8. Western Power receives a corresponding <i>electricity transfer application</i> to decrease contracted capacity at one or more connection points pursuant to reference service D2 and that application is approved; and 9. All of the <i>eligibility criteria</i> for the reference services at the connection points are met; and 10. The increase and decrease of contracted capacity relates to either CMD or DSOC (not both); and 11. The user has an <i>access contract</i> and the Capacity Allocation Swap Service is required at a connection point specified in that access contract. 12. The Western Power Network has the technical capability to give effect to the increase of contracted capacity; and 13. The service does not include any material modification of the <i>facilities and equipment</i> connected at an existing connection point; and 14. No further augmentation of the Western Power Network is required to facilitate the capacity allocation arrangements; and 15. An operating document setting out the practical, technical and other operational details of the capacity allocation (swap) arrangements has been agreed between the user(s) at the relevant connection points and Western Power; and 16. The provision of the service does not result in the user/s, Western Power, system management or the market operator being unable to comply with their obligations under the Wholesale Electricity Market Rules. 	
Applicable Reference Tariff:	Any applicable lodgement fees payable in accordance with the <i>Applications and Queuing Policy</i> .	
	16. Applicable Standard Access Contract;	17. "Electricity Transfer Access Contract" published in Appendix A of the access arrangement;
Applicable Service Standard Benchmarks:	<p>The service standard benchmarks (set out in Section 4.2 of the <i>access arrangement</i>) that apply to:</p> <ol style="list-style-type: none"> 1. exit services A7, A8 and A11; 2. entry services B1 and B2; and 3. bi-directional services C7 and C8, <p>(as applicable).</p>	

Reference Service Name:	Reference Service D4—Capacity Allocation Same Connection Point (Nominator) (Business) Service
Reference Service Description:	<p>A service ancillary to:</p> <ul style="list-style-type: none"> • exit services A7, A8 and A11; • entry services B1 and B2; and • bi-directional services C7 and C8, <p>under which a user's contracted capacity at a connection point is decreased under its access contract (expressed as a percentage of that contracted capacity (DSOC or CMD)) for a clearly specified period of time and there is a corresponding increase in contracted capacity to another user at the same connection point under its access contract.</p> <p>The allocated capacity is not further transferable or otherwise delegable.</p> <p>At the end of the specified period the contracted capacity under the user's access contract is reinstated.</p>
Eligibility Criteria:	<p>Users are eligible to use this service if:</p> <ul style="list-style-type: none"> 19. The user has submitted an electricity transfer application to decrease its contracted capacity at one connection point for a clearly specified period and that application is approved; and 17. Western Power receives a corresponding electricity transfer application to increase contracted capacity at the same connection point pursuant to reference service D5 and the application is approved; and 18. All of the eligibility criteria for the reference service at the connection point are met; and 19. The increase and decrease of contracted capacity relates to either CMD or DSOC (not both); and 20. The same reference service is provided at the connection point to each user; and 21. The user has an access contract and the Capacity Allocation Same Connection Point Service is required at a connection point specified in that access contract; and 22. The Western Power Network has the technical capability to give effect to the decrease of contracted capacity; and 23. The service does not include any material modification of the facilities and equipment connected at an existing connection point; and 24. No further augmentation of the Western Power Network is required to facilitate the capacity allocation arrangements; and 25. An operating document setting out the practical, technical and other operational details of the capacity allocation arrangements has been agreed between the user/s at the relevant connection point and Western Power; and 26. The provision of the service does not result in the user/s, Western Power, system management or the market operator being unable to comply with their obligations under the Wholesale Electricity Market Rules; and 27. Each user at the connection point has agreed with Western Power for Western Power to freely provide energy data to each user (and to the market operator) to give effect to the capacity allocation arrangements; and 28. Each user at the connection point enters into a deed with the benefit to Western Power covenanting that they are jointly and severally liable for each other's contractual and other regulatory obligations in respect to the connection point.

Reference Service Name:	Reference Service D4—Capacity Allocation Same Connection Point (Nominator) (Business) Service
Applicable Reference Tariff:	Any applicable lodgement fees payable in accordance with the <i>Applications and Queuing Policy</i> .
Applicable Standard Access Contract:	“Electricity Transfer Access Contract” published in Appendix A of the access arrangement.
Applicable Service Standard Benchmarks:	<p>The service standard benchmarks (set out in Section 4.2 of the <i>access arrangement</i>) that apply to:</p> <ol style="list-style-type: none"> 1. exit services A7, A8 and A11; 2. entry services B1 and B2; and 3. bi-directional services C7 and C8, <p>(as applicable).</p>

Reference Service Name:	Reference Service D5—Capacity Allocation Same Connection Point (Nominee) (Business) Service
Reference Service Description:	<p>A service ancillary to:</p> <ul style="list-style-type: none"> • exit services A7, A8 and A11; • entry services B1 and B2; and • bi-directional services C7 and C8, <p>under which a user's contracted capacity is increased at a connection point under its access contract (expressed as the percentage of contracted capacity (DSOC or CMD) nominated pursuant to reference service D4) for a clearly specified period of time and there is a corresponding decrease in contracted capacity to the nominator user at the same connection point under its access contract.</p> <p>The allocated contracted capacity is not further transferable or otherwise delegable. At the end of the specified period the contracted capacity under the user's access contract is reinstated.</p>
Eligibility Criteria:	<p>Users are eligible to use this service if:</p> <p>20. The user has submitted an electricity transfer application to increase its contracted capacity at one connection point for a clearly specified period and that application is approved; and</p> <p>29. Western Power receives a corresponding electricity transfer application to decrease contracted capacity at the same connection point pursuant to reference service D4 and that application is approved; and</p> <p>30. All of the eligibility criteria for the reference service at the connection point are met; and</p> <p>31. The increase and decrease of contracted capacity relates to either CMD or DSOC (not both); and</p> <p>32. The same reference service is provided at the connection point to each user; and</p> <p>33. The user has an access contract and the Capacity Allocation Same Connection Point Services is required at a connection point specified in that access contract; and</p> <p>34. The Western Power Network has the technical capability to give effect to the increase of contracted capacity; and</p> <p>35. The service does not include any material modification of the facilities and equipment connected at an existing connection point; and</p> <p>36. No further augmentation of the Western Power Network is required to facilitate the capacity allocation arrangements; and</p> <p>37. An operating document setting out the practical, technical and other operational details of the capacity allocation arrangements has been agreed between the user(s) at the relevant connection point and Western Power; and</p> <p>38. The provision of the service does not result in the user, Western Power, system management or the market operator being unable to comply with their obligations under the Wholesale Electricity Market Rules; and</p> <p>39. Each user at the connection point has agreed with Western Power for Western Power to freely provide energy data to each user (and to the market operator) to give effect to the capacity allocation arrangements; and</p> <p>40. Each user at the connection point enters into a deed to the benefit of Western Power covenanting that they are jointly and severally liable for each other's contractual and other regulatory obligations in respect to the connection point.</p>

Reference Service Name:	Reference Service D5 – Capacity Allocation Same Connection Point (Nominee) (Business) Service	
Applicable Reference Tariff:	Any applicable lodgement fees payable in accordance with the <i>Applications and Queuing Policy</i> .	
Applicable Standard Access Contract:	“Electricity Transfer Access Contract” published in Appendix A of the access arrangement.	
Applicable Service Standard Benchmarks:	<p>The service standard benchmarks (set out in Section 4.2 of the <i>access arrangement</i>) that apply to:</p> <ol style="list-style-type: none"> 1. exit services A7, A8 and A11; 2. entry services B1 and B2; and 3. bi-directional services C7 and C8, (as applicable). 	

Reference Service Name:	Reference Service D6 – Remote Direct Load / <u>Inverter</u> Control Service
Reference Service Description:	<p>A service ancillary to:</p> <ul style="list-style-type: none"> • <i>exit services</i> A1 to A8 and A12 to A17<u>A19</u>; and • <i>bi-directional services</i> C1 to C15<u>C18, and C21</u>, <p>to send a command to an <i>activated device</i> for the control of a load <u>or inverter</u> at a <i>connection point</i> from a remote locality. The service does not include any site visits by Western Power.</p>
Eligibility Criteria:	<p>Users are eligible to use this service if:</p> <ol style="list-style-type: none"> 1. The user is receiving an <i>exit service</i> or <i>bi-directional service</i> at the <i>connection point</i>; and 2. The user has an <i>access contract</i> and the Remote Direct Load/<u>Inverter</u> Control Service is required at a <i>connection point</i> specified in that <i>access contract</i>; and 3. The user has submitted an <i>electricity transfer application</i> for a remote load control service<u>Remote Load/Inverter Control Service</u> and that application is approved; and 4. Communication equipment to transmit commands to and messages from the meter with capability for two-way communication between an activated device and Western Power<u>Power's</u> management systems has been installed <u>and is operating and able to be used to support remote services</u>; and 5. There is a supply voltage present at the meter; and 6-5. <u>An operating document setting out the practical, technical</u>activated device; and <u>other operational details of the load control service arrangements has been agreed between the user and Western Power</u>; and 7-6. The user has the consumer's contractual authority to control the load <u>/inverter</u> at the <i>connection point</i>; and 8. <u>A whole current meter (being a meter that does not have a transformer)</u>An activated device is installed at the metering point; and 9-7. <u>The meter relating to the connection point is configured to receive and provide commands for this service from a remote locality</u>; and 10-8. The consumer's facilities and equipment are technically capable of receiving the service and comply with the technical rules<u>Technical Rules</u>, the WA Electrical Requirements and AS/<u>NZS</u> 3000.
Applicable Reference Tariff:	"RT26" 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:	<p>The service standard benchmarks (set out in Section 4.2 of the <i>access arrangement</i>) that apply to:</p> <ol style="list-style-type: none"> 1. <i>exit services</i> A1 to A8 and A12 to A17<u>A19</u>; and 2. <i>bi-directional services</i> C1 to C15<u>C18 and C21</u>, <p>(as applicable).</p>

Reference Service Name:	Reference Service D7 — Remote Load Limitation Service
Reference Service Description:	<p>A service ancillary to:</p> <ul style="list-style-type: none"> • exit services A1 to A8 and A12 to A17; and • bi-directional services C1 to C15; <p>to remotely limit the load at a <i>connection point</i> through a Western Power meter. The service does not include any site visits by Western Power.</p>
Eligibility Criteria:	<p>Users are eligible to use this service if:</p> <ol style="list-style-type: none"> 1. The user is receiving an exit service or bi-directional service at the connection point; and 2. The user has an access contract and the Remote Load Limitation Service is required at a connection point specified in that access contract; and 3. The user has submitted an electricity transfer application for a remote load control service and that application is approved; and 4. Communication equipment to transmit commands to and messages from the meter and Western Power has been installed; and 5. There is a supply voltage present at the meter; and 6. An operating document setting out the practical, technical and other operational details of the remote load limitation service arrangements has been agreed between the user and Western Power; and 7. The user has the consumer's authority to limit the load at the connection point; and 8. A whole current meter (being a meter that does not have a transformer) is installed at the metering point; and 9. The meter relating to the connection point is configured to receive and provide commands for this service from a remote locality; and 10.1. The consumer's facilities and equipment are technically capable of receiving the service and comply with the technical rules, the WA Electrical Requirements and AS 3000.
Applicable Reference Tariff:	"RT27" in the applicable Price List published in Appendix F of the access arrangement.
Applicable Standard Access Contract:	"Electricity Transfer Access Contract" published in Appendix A of the access arrangement.
Applicable Service Standard Benchmarks:	<p>The service standard benchmarks (set out in Section 4.2 of the <i>access arrangement</i>) that apply to:</p> <ol style="list-style-type: none"> 3. exit services A1 to A8 and A12 to A17; and 4. bi-directional services C1 to C15, <p>(as applicable).</p>

Reference Service Name:	Reference Service D8 – Remote De-energise Service
Reference Service Description:	<p>A service ancillary to:</p> <ul style="list-style-type: none"> • <i>exit services</i> A1 to A8 and A12 to A17A19; • <i>entry service</i> B1; and • <i>bi-directional services</i> C1 to C15C18, and C21, <p>to de-energise a <i>meter</i> by removing supply voltage from all outgoing circuits on a non-permanent basis by a command sent to a <i>meter</i> from a remote locality. The <i>service</i> does not include any site visits by Western Power.</p> <p><u>To commence the flow of electricity following completion of a Remote De-energise Service (D8), the user should submit an electricity transfer application for a Remote Re-energise Service (D9). Following completion of a Remote Re-energise Service (D9) the user or end-use customer may commence the flow of electricity by pressing a button on the meter in accordance with instructions provided by Western Power. If required, the user may submit an electricity transfer application for a Site Visit to Support Remote Re-energise Service (D11).</u></p>
Eligibility Criteria:	<p>Users are eligible to use this service if:</p> <ol style="list-style-type: none"> 1. The <i>user</i> is receiving an <i>exit service</i>, <i>entry service</i> or <i>bi-directional service</i> at the <i>connection point</i>; and 2. The <i>user</i> has an <i>access contract</i> and the Remote De-energise Service is required at a <i>connection point</i> specified in that <i>access contract</i>; and 3. The <i>user</i> has submitted an <i>electricity transfer application</i> for a Remote De-energise Service and that application is approved; and 4. Communication equipment to transmit commands to and messages from thewith capability for two-way communication between a <i>meter</i> and Western PowerPower's management systems has been installed, <u>is operating and is able to be used to support remote services; and</u> 5. There is a supply voltage present at the <i>meter</i>; and 6. A whole current <i>meter</i> (being a <i>meter</i> that does not have a <i>transformer</i>) is installed at the <i>metering point</i>; and 7. The <i>meter</i> is configured to receive and provide commands for this <i>service</i> from a remote locality; and 8. The <i>consumer's facilities and equipment</i> comply with the technical rules<u>Technical Rules</u>, the WA Electrical Requirements and AS/NZS 3000.
Applicable Reference Tariff:	"RT28" 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 4.6 of the <i>access arrangement</i> .

Reference Service Name:	Reference Service D9 – Remote Re-energise Service
Reference Service Description:	<p>A service ancillary to:</p> <ul style="list-style-type: none"> • <i>exit services</i> A1 to A8 and A12 to A17A19; • <i>entry service</i> B1; and • <i>bi-directional services</i> C1 to C15C18, and C21. <p>To re-arm a previously de-energised <i>meter</i> by a command sent to a <i>meter</i> from a remote locality. The service does not include any site visits by Western Power.</p> <p><u>Following completion of a Remote Re-energise Service (D9) the user or end-use customer may commence the flow of electricity by pressing a button on the meter in accordance with instructions provided by Western Power. If required, the user may submit an electricity transfer application for a Site Visit to Support Remote Re-energise Service (D11).</u></p>
Eligibility Criteria:	<p>Users are eligible to use this service if:</p> <ol style="list-style-type: none"> 1. The <i>meter</i> is de-energised following the completion of a remote de-energise service D8; and 2. The <i>user</i> is receiving an <i>exit service</i>, <i>entry service</i> or <i>bi-directional service</i> at the <i>connection point</i>; and 3. The <i>user</i> has an <i>access contract</i> and the Remote Re-energise Services is required at a <i>connection point</i> specified in that <i>access contract</i>; and 4. The <i>user</i> has submitted an <i>electricity transfer application</i> for a Remote Re-energise Service and that application is approved; and 5. Communication equipment to transmit commands to and messages from thewith capability for two-way communication between a <i>meter</i> and Western PowerPower's management systems has been installed, <u>is operating and able to be used to support remote services</u>; and 6. There is a supply voltage present at the <i>meter</i>; and 7. A whole current <i>meter</i> (being a <i>meter</i> that does not have a <i>transformer</i>) is installed at the <i>metering point</i>; and 8. The <i>meter</i> is configured to receive and provide commands for this <i>service</i> from a remote locality; and 9. The <i>consumer's facilities and equipment</i> comply with the technical rules<u>Technical Rules</u>, the WA Electrical Requirements and AS/NZS 3000.
Applicable Reference Tariff:	"RT29" 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 4.6 of the <i>access arrangement</i> .

Reference Service Name:	Reference Service D10 – Streetlight LED Replacement Service
Reference Service Description:	<p>A <i>service</i> ancillary to:</p> <ul style="list-style-type: none"> Reference Service A9 – Streetlighting Exit Service <p>to replace an existing streetlight luminaire with one of the LED luminaires specified in the price list<u>Price List</u>.</p>
Eligibility Criteria:	<p>Users are eligible to use this <i>service</i> if:</p> <ol style="list-style-type: none"> 1. The <i>user</i> has submitted an <i>electricity transfer application</i> for an LED replacement in accordance with Western Power’s requirements; and 2. The <i>user</i> is receiving an A9 <i>exit service</i> at the <i>connection point</i>; and 3. The <i>user</i> has an <i>access contract</i> and the Streetlight LED Replacement Service is required at a <i>connection point</i> specified in that <i>access contract</i>; and 4. The existing streetlighting asset is compatible with the chosen LED luminaire.
Applicable <i>Reference Tariff</i> :	“RT30” 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 4.4.4 of the <i>access arrangement</i> .

<u>Reference Service Name:</u>	<u>Reference Service D11 – Site Visit to Support Remote Re-energise Service</u>
<u>Reference Service Description:</u>	<p><u>A service ancillary to:</u></p> <ul style="list-style-type: none"> <u>• exit services A1 to A8 and A12 to A19;</u> <u>• entry service B1; and</u> <u>• bi-directional services C1 to C18, and C21.</u> <p><u>to provide a site visit in-conjunction with a Remote Re-energise Service (D9) for end-customer support to press a button on a meter in accordance with instructions provided by Western Power.</u></p>
<u>Eligibility Criteria:</u>	<p><u>Users are eligible to use this service if:</u></p> <ol style="list-style-type: none"> <u>1. A related Remote Re-energise Service (D9) has been completed at the connection point, or the user has submitted a corresponding electricity transfer application for a Remote Re-energise Service (D9) and that application is approved; and</u> <u>2. The user is receiving an exit service, entry service or bi-directional service at the connection point; and</u> <u>3. The consumer's facilities and equipment comply with the Technical Rules, the WA Electrical Requirements, and AS/NZS 3000.</u>
<u>Applicable Reference Tariff:</u>	<u>"RT31" in the applicable Price List published in Appendix F of the access arrangement.</u>
<u>Applicable Standard Access Contract:</u>	<u>"Electricity Transfer Access Contract" published in Appendix A of the access arrangement.</u>
<u>Applicable Service Standard Benchmarks:</u>	<u>As set out in Section 4.6 of the access arrangement.</u>

Reference Service Name:	Reference Service D12 – Manual De-energise Service
<u>Reference Service Description:</u>	<p>A service ancillary to:</p> <ul style="list-style-type: none"> • <u>exit services A1 to A8 and A12 to A19;</u> • <u>entry service B1; and</u> • <u>bi-directional services C1 to C19, and C21 to C22,</u> <p><u>to de-energise a meter by removing supply voltage from all outgoing circuits on a non-permanent basis by attending to the meter premises.</u></p>
<u>Eligibility Criteria:</u>	<p><u>Users are eligible to use this service if:</u></p> <ol style="list-style-type: none"> <u>1. The user is receiving an exit service, entry service or bi-directional service at the connection point; and</u> <u>2. The user has an access contract and the Manual De-energise Service is required at a connection point specified in that access contract; and</u> <u>3. The user has submitted an electricity transfer application for a Manual De-energise Service and that application is approved; and</u> <u>4. The consumer's facilities and equipment comply with the Technical Rules, the WA Electrical Requirements and AS/NZS 3000.</u> <u>5. This service will only be performed by Western Power on the following days and times:</u> <ol style="list-style-type: none"> <u>a. Monday to Thursday (excluding public holidays); and</u> <u>b. between 7:30am and 2:00pm (WST).</u> <p><u>This service will not be performed by Western Power on the business day before a public holiday.</u></p> <u>7. The user may request this service to be provided:</u> <ol style="list-style-type: none"> <u>a. without a 'preferred date' or 'appointment time';</u> <u>b. with a 'preferred date' but without an 'appointment time'.</u> <p><u>The timeframe specified in the applicable service standard benchmark will be the minimum notice period for the 'preferred date';</u></p> <ol style="list-style-type: none"> <u>c. with a 'preferred date' and an 'appointment time' of either between 7.00a.m. and 11.59a.m. (WST) on any business day or noon and 2.00p.m. (WST) on any business day.</u> <p><u>The timeframe specified in the applicable service standard benchmark will be the minimum notice period for the 'preferred date'.</u></p>
<u>Applicable Reference Tariff:</u>	<p><u>"RT32" in the applicable Price List published in Appendix F of the access arrangement.</u></p> <p><u>Due to the complex and variable requirements associated with high voltage connection points, charges for provision of the Manual Re-energise Service for high voltage connection points will be priced on application.</u></p>
<u>Applicable Standard Access Contract:</u>	<p><u>"Electricity Transfer Access Contract" published in Appendix A of the access arrangement.</u></p>
<u>Applicable Service Standard Benchmarks:</u>	<p><u>As set out in Section 4.6 of the access arrangement.</u></p>

Reference Service Name:	Reference Service D13 – Manual Re-energise Service
<u>Reference Service Description:</u>	<p>A service ancillary to:</p> <ul style="list-style-type: none"> • <u>exit services A1 to A8 and A12 to A19;</u> • <u>entry service B1; and</u> • <u>bi-directional services C1 to C19 and C21 to C22,</u> <p><u>to re-energise a previously de-energised meter by attending to the meter premises.</u></p>
<u>Eligibility Criteria:</u>	<p><u>Users are eligible to use this service if:</u></p> <ol style="list-style-type: none"> <u>1. The meter is de-energised following the completion of a Manual De-energise Service D13; and</u> <u>2. The user is receiving an exit service, entry service or bi-directional service at the connection point; and</u> <u>3. The user has an access contract and the Manual Re-energise Services is required at a connection point specified in that access contract; and</u> <u>4. The user has submitted an electricity transfer application for a Manual Re-energise Service and that application is approved; and</u> <u>5. The consumer's facilities and equipment comply with the Technical Rules, the WA Electrical Requirements and AS/NZS 3000.</u> <u>8. The user may request this service to be provided:</u> <ol style="list-style-type: none"> <u>a. without a 'preferred date' or 'appointment time';</u> <u>b. with a 'preferred date' but without an 'appointment time'.</u> <u>The timeframe specified in the applicable service standard benchmark will be the minimum notice period for the 'preferred date';</u> <u>c. with a 'preferred date' and an 'appointment time' of either between 7.00a.m. and 11.59a.m. on any business day or noon and 5.00p.m. on any business day.</u> <u>The timeframe specified in the applicable service standard benchmark will be the minimum notice period for the 'preferred date'.</u>
<u>Applicable Reference Tariff:</u>	<p><u>"RT33" in the applicable Price List published in Appendix F of the access arrangement.</u></p> <p><u>Due to the complex and variable requirements associated with high voltage connection points, charges for provision of the Manual Re-energise Service for high voltage connection points will be priced on application.</u></p>
<u>Applicable Standard Access Contract:</u>	<p><u>"Electricity Transfer Access Contract" published in Appendix A of the access arrangement.</u></p>
<u>Applicable Service Standard Benchmarks:</u>	<p><u>As set out in Section 4.6 of the access arrangement.</u></p>

Annexure 1: Reference services (metering)

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 Service descriptions

A description of each *reference service (metering)* provided is set out in Table E.1.1.

Table E.1.1: Reference services (metering)

Reference number	Service name	Service description
M1	Unidirectional, accumulation, bi-monthly, manual	Provision of <i>accumulated energy data</i> from an <i>accumulation meter (uni-directional)</i> or <i>interval meter</i> derived by way of a <i>manual read</i> on a bi-monthly basis.
M2	Unidirectional, accumulation (TOU), bi-monthly, manual	Provision of <i>accumulated energy data</i> for the time bands of the reference tariff for the underlying <i>exit service</i> from an <i>accumulation meter (uni-directional)</i> or <i>interval meter</i> derived by way of a <i>manual read</i> on a bi-monthly basis.
M3	Unidirectional, interval, bi-monthly, manual	Provision of <i>interval energy data</i> from an <i>interval meter (uni-directional)</i> derived by way of a <i>manual read</i> on a bi-monthly basis.
M4	Unidirectional, interval, monthly, manual	Provision of <i>interval energy data</i> from an <i>interval meter (uni-directional)</i> derived by way of a <i>manual read</i> on a monthly basis.
<u>M17</u>	<u>Unidirectional, interval, weekly, manual</u>	<u>Provision of <i>interval energy data</i> from an <i>interval meter (uni-directional)</i> derived by way of a <i>manual read</i> on a <i>weekly basis</i>.</u>
M5	Unidirectional, interval, bi-monthly, remote	Provision of <i>interval energy data</i> from an <i>interval meter (uni-directional)</i> derived via a <i>communications network</i> on a bi-monthly basis.
M6	Unidirectional, interval, monthly, remote	Provision of <i>interval energy data</i> from an <i>interval meter (uni-directional)</i> derived following the collection of the <i>interval energy data</i> via a <i>communications network</i> on a monthly basis.
<u>M18</u>	<u>Unidirectional, interval, weekly, remote</u>	<u>Provision of <i>interval energy data</i> from an <i>interval meter (uni-directional)</i> derived following the collection of the <i>interval energy data</i> via a <i>communications network</i> on a <i>weekly basis</i>.</u>
M7	Unidirectional, interval, daily, remote	Provision of <i>interval energy data</i> from an <i>interval meter (uni-directional)</i> derived following the collection of the <i>interval energy data</i> via a <i>communications network</i> on a daily basis.
M8	Bidirectional, accumulation, bi-monthly, manual	Provision of <i>accumulated energy data</i> from an <i>accumulation meter (bi-directional)</i> or <i>interval meter (bi-directional)</i> derived by way of a <i>manual read</i> on a bi-monthly basis.
M9	Bidirectional, accumulation (TOU), bi-monthly, manual	Provision of <i>accumulated energy data</i> for the time bands of the reference tariff for the underlying <i>bi-directional service</i> from an <i>accumulation meter (bi-directional)</i> or <i>interval meter (bi-directional)</i> derived by way of a <i>manual read</i> on a bi-monthly basis.

Reference number	Service name	Service description
M10	Bidirectional, interval, bi-monthly, manual	Provision of <i>interval energy data</i> from an <i>interval meter (bi-directional)</i> derived by way of a <i>manual read</i> on a bi-monthly basis.
M11	Bidirectional, interval, monthly, manual	Provision of <i>interval energy data</i> from an <i>interval meter (bi-directional)</i> derived by way of a <i>manual read</i> on a monthly basis.
<u>M19</u>	<u>Bidirectional, interval, weekly, manual</u>	<u>Provision of <i>interval energy data</i> from an <i>interval meter (bi-directional)</i> derived by way of a <i>manual read</i> on a weekly basis.</u>
M12	Bidirectional interval, bi-monthly, remote	Provision of <i>interval energy data</i> from an <i>interval meter (bi-directional)</i> derived following the collection of the <i>interval energy data</i> via a <i>communications network</i> on a bi-monthly basis.
M13	Bidirectional, interval, monthly, remote	Provision of <i>interval energy data</i> from an <i>interval meter (bi-directional)</i> derived following the collection of the <i>interval energy data</i> via a <i>communications network</i> on a monthly basis.
<u>M20</u>	<u>Bidirectional, interval, weekly, remote</u>	<u>Provision of <i>interval energy data</i> from an <i>interval meter (bi-directional)</i> derived following the collection of the <i>interval energy data</i> via a <i>communications network</i> on a weekly basis.</u>
M14	Bidirectional, interval, daily, remote	Provision of <i>interval energy data</i> from an <i>interval meter (bi-directional)</i> derived following the collection of the <i>interval energy data</i> via a <i>communications network</i> on a daily basis.
M15	Unmetered supply, accumulation, bi-monthly, manual	Provision of the <i>metering services</i> set out in the <i>Metering Code</i> for a type 7 connection point.
M16	One off manual interval read	Provision upon request of <i>interval energy data</i> collected as a <i>manual read</i> from an <i>accumulation meter</i> .

Metering services M1 to ~~M14~~include M14 and M17 to M20 include the following:

- upgrade or replacement of the *meter* to align with the requirements of the Metering Code and MSLA as a result of throughput at the *connection point* changing;
- {Note: if the *user* elects to upgrade the *meter* this is a “meter change” and if the *user* elects to reconfigure the *meter* this is a “meter reconfigure”. Additional charges are payable for a “meter change” and a “meter reconfiguration”}
- customer meter* reading (including card read *meter* reading); and
 - the provision of *standing data* in accordance with the *Metering Code*.

A user and Western Power may agree the *date for a scheduled meter reading* in accordance with Metering Code clause 5.3.

E.1.2 Permissible reference services (metering)

The *permissible reference services (metering)* that are available for each *reference service* ~~A1 to A17, B1 and B2, and C1 to C14~~ are identified as ticked (✓) columns in Table E.1.2 below.

{Note: The *permissible reference services (metering)* for *reference services* B3 and C15 will be the *permissible reference services (metering)* for the underlying *entry service* or *bi-directional service* (as applicable) upon which *reference services* B3 and C15 are based.}

The cells in table E.1.2 below with an asterisk (*) or two asterisks (**) in addition to a tick (✓) indicate the “transition” reference service (metering) that is provided in respect to reference services A1 to A17, B1 and B2, and C1 to C14 on 1 July 2019.⁴ The “transition” reference service (metering) is consistent with the standard metering service provided immediately prior to the AA4 effective date.

The standard metering service for the A1 to A4, A12 to A17, C1 to C4 and C9 to C14 reference services will vary depending on whether the throughput at the connection point is greater or lower than 50 MWh/a.

The reference service (metering) denoted * in table E.1.2 below is the “transition standard” reference service (metering) for connection points with throughput lower than 50 MWh/a.

The reference service (metering) denoted ** in table E.1.2 below is the “transition standard” reference service (metering) for connection points with throughput equal to or greater than 50 MWh/a, prior to weekly settlement commencement.

The reference service (metering) denoted *** in table E.1.2 below is the “standard” reference service (metering) for connection points with throughput equal to or greater than 50 MWh/a, after weekly settlement commencement.

⁴ Unless the user has entered into an agreement with Western Power prior to the AA4 effective date to obtain extended metering services as defined under the MSLA. In such cases, the user will be allocated the nearest equivalent reference service (metering).

Table E.1.2: Compatibility of *permissible reference services (metering)* with reference service A1 to ~~A17~~**A19**, B1 and B2, and C1 to ~~C14~~**C22**

	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20
Exit Services																				
A1 - Anytime Energy (Resi) Exit	✓*		✓	✓**	✓	✓	✓									✓	✓***	✓		
A2 - Anytime Energy (Busi) Exit	✓*		✓	✓**	✓	✓	✓									✓	✓***	✓		
A3 - TOU Energy (Resi) Exit		✓*	✓	✓**	✓	✓	✓									✓	✓***	✓		
A4 - TOU Energy (Busi) Exit		✓*	✓	✓**	✓	✓	✓									✓	✓***	✓		
A5 - HV Demand Exit					✓*	✓**	✓											✓***		
A6 - LV Demand Exit			✓*	✓**	✓	✓	✓										✓***	✓		
A7 - HV CMD Exit					✓*	✓**	✓										✓***	✓		
A8 - LV CMD Exit			✓*	✓**	✓	✓	✓										✓***	✓		
A9 – Streetlight															✓*					
A10 – Unmetered															✓*					
A11 - Transmission Exit				✓**		✓	✓										✓***	✓		
A12 - 3 Part TOU (Resi) Exit		✓*	✓	✓**	✓	✓	✓									✓	✓***	✓		
A13 - 3 Part TOU (Busi) Exit		✓*	✓	✓**	✓	✓	✓									✓	✓***	✓		
A14 - 3 Part TOU Demand (Resi) Exit		✓*	✓	✓**	✓	✓	✓									✓	✓***	✓		
A15 - 3 Part TOU Demand (Busi) Exit		✓*	✓	✓**	✓	✓	✓									✓	✓***	✓		
A16 – Multi Part TOU (Resi) Exit		✓*	✓	✓**	✓	✓	✓									✓	✓***	✓		
A17 – Multi Part TOU (Busi) Exit		✓*	✓	✓**	✓	✓	✓									✓	✓***	✓		
A18 – Super Off-peak (Resi) Exit																	✓***	✓		
A19 – Super Off-peak (Busi) Exit																	✓***	✓		
Entry Services																				
B1 - Distribution Entry				✓**		✓	✓										✓***	✓		

	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20
B2 - Transmission Entry						✓**	✓											✓***		
Bi-Directional Services																				
C1 - Anytime Energy (Resi) Bi-Directional								✓*		✓	✓**	✓	✓	✓		✓			✓***	✓
C2 - Anytime Energy (Busi) Bi-Directional								✓*		✓	✓**	✓	✓	✓		✓			✓***	✓
C3 - TOU (Resi) Bi-Directional									✓*	✓	✓**	✓	✓	✓		✓			✓***	✓
C4 - TOU (Busi) Bi-Directional									✓*	✓	✓**	✓	✓	✓		✓			✓***	✓
C5 - HV Metered Demand Bi-Directional												✓*	✓**	✓						✓***
C6 - LV Metered Demand Bi-Directional										✓*	✓**	✓	✓	✓					✓***	
C7 - HV CMD Bi-Directional												✓*	✓**	✓						✓***
C8 - LV CMD Bi-Directional										✓*	✓**	✓	✓	✓					✓***	✓
C9 - 3 Part TOU (Resi) Bi-Directional									✓*	✓	✓**	✓	✓	✓		✓			✓***	✓
C10 - 3 Part TOU (Busi) Bi-Directional									✓*	✓	✓**	✓	✓	✓		✓			✓***	✓
C11 - 3 Part TOU Demand (Resi) Bi-Directional									✓*	✓	✓**	✓	✓	✓		✓			✓***	✓
C12 - 3 Part TOU Demand (Busi) Bi-Directional									✓*	✓	✓**	✓	✓	✓		✓			✓***	✓
C13 – Multi Part TOU (Resi) Bi-Directional									✓*	✓	✓**	✓	✓	✓		✓			✓***	✓
C14 – Multi Part TOU (Busi) Bi-Directional									✓*	✓	✓**	✓	✓	✓		✓			✓***	✓
<u>C16 – Super Off-peak (Resi) Bi-directional</u>									✓*	✓	✓**	✓	✓	✓	-	✓			✓***	✓
<u>C17 – Super Off-peak (Busi) Bi-directional</u>									✓*	✓	✓**	✓	✓	✓	-	✓			✓***	✓

	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20
<u>C18 – LV Distribution Storage</u>									<u>✓*</u>	<u>✓</u>	<u>✓**</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	-	<u>✓</u>			<u>✓***</u>	<u>✓</u>
<u>C19 – HV Distribution Storage</u>												<u>✓*</u>	<u>✓**</u>	<u>✓</u>	-	-				<u>✓***</u>
<u>C20 – Transmission Storage</u>													<u>✓**</u>	<u>✓</u>						<u>✓***</u>
<u>C21 – LV Electric Vehicle Charging</u>									<u>✓*</u>	<u>✓</u>	<u>✓**</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	-	<u>✓</u>			<u>✓***</u>	<u>✓</u>
<u>C22 – HV Electric Vehicle Charging</u>												<u>✓*</u>	<u>✓**</u>	<u>✓</u>	-	-				<u>✓***</u>

E.1.3 Eligibility Criteria for Reference Service (metering)

The eligibility criteria for each *permissible reference service (metering)* is identified as the rows that are ticked (✓) in Table E.1.3 below.

Each eligibility criterion that is ticked (✓) needs to be met in order to be eligible for the *permissible reference service (metering)*. In some circumstances, this may require the *user* to progress a “meter change” or “meter reconfigure” in accordance with the *MSLA*.

Table E.1.3: Eligibility Criteria Services

	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20
The <i>User</i> receives a compatible <i>Network</i> access service at the <i>connection point</i> .	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
The <i>consumer's</i> facilities and equipment comply with the technical rules <i>Technical Rules</i> , the <i>WA Electrical Requirements</i> and <i>AS/NZS 3000</i> .	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
An <i>accumulation meter</i> or <i>interval meter</i> is installed at the <i>metering point</i> .	✓	✓						✓	✓											
An <i>interval meter</i> is installed at the <i>metering point</i> .			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓
The <i>meter</i> is configured to measure and record <i>accumulated energy data</i> : - out of the <i>network</i> for an exit service; or - in to the <i>network</i> for an entry service; or - in to and out of the <i>network</i> for a bi-directional service.	✓	✓						✓	✓											

	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20
The <i>meter</i> is configured to measure and record <i>interval energy data</i> : - out of the <i>network</i> for an exit service; or - in to the <i>network</i> for an entry service; or - in to and out of the <i>network</i> for a bi-directional service.			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓
The <i>connection point</i> is located on the low voltage (415V or less) <i>distribution system</i> .	✓	✓	✓		✓			✓	✓	✓		✓								
The <i>meter</i> is configured with registers to measure and record <i>accumulated energy data</i> for the time bands for the underlying <i>Network access service</i> .		✓							✓											
The <i>meter</i> is configured with registers to measure and record <i>interval energy data</i> for the underlying <i>Network access service</i> (if applicable).			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓
The <i>meter</i> is connected to a communications network supported by <i>Western Power</i> .					✓	✓	✓					✓	✓	✓				✓		✓

	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	<u>M17</u>	<u>M18</u>	<u>M19</u>	<u>M20</u>
The <i>meter</i> is capable of storing <i>interval energy data</i> .																✓				
The <i>user</i> receives a <i>reference service (metering)</i> (M1 to M15 <u>or M17 to M20</u>) in respect to the <i>connection point</i> .																✓				

E.1.4 Selection of reference service (metering) for exit service, entry service and bi-directional service.

Each exit service (A1 to ~~A17~~A19), entry service (B1 and B2) and bi-directional service (C1 to ~~C14~~C22) includes a reference service (metering) that is selected by the user from the permissible reference services (metering) (M1 to ~~M14~~). ~~As explained in clause E.1.2, users will be allocated to the “transition” reference service (metering) that is provided in respect to reference services A1 to A17, B1 and B2, and C1 to C14 from 1 July 2019.~~⁵M20).

~~Note:~~ The “~~transition~~reference service (metering) denoted * in table E.1.2 is the “standard” reference service (metering) for connection points with throughput lower than 50 MWh/a.

~~The reference services B3 and C15 will be~~service (metering) denoted ** in table E.1.2 is the “~~transition~~standard” reference service (metering) for the underlying entry serviceconnection points with throughput equal to or bi-directional service (as applicable) upon which reference services B3 and C15 are based.greater than 50 MWh/a, prior to weekly settlement commencement.

The reference service (metering) denoted *** in table E.1.2 is the “standard” reference service (metering) for connection points with throughput equal to or greater than 50 MWh/a, after weekly settlement commencement.

New metering installations will be allocated to the “standard” reference service (metering), unless the user has entered into an agreement with Western Power to obtain an additional reference service (metering).

Upon selection of the reference service (metering) to be included as a component of the exit service, entry service or bi-directional service the exit service, entry service or bi-directional service will be numbered as a combination of the exit service (A1 to ~~A17~~A19), entry service (B1 and B2) or exit service (C1 to ~~C14~~C22) number and the reference service (metering) (M1 to ~~M14~~M20) number.

E.1.5 Availability of Reference Services

Exit services A3 and A4 and bi-directional services C3, C4 and ~~C4~~C9 to C14 are not available for new metering installations.

~~There are no existing metering installations for exit services A12 to A17, entry service B3 and bi directional services C9 to C15.~~

⁵ ~~Unless the user has entered into an agreement with Western Power prior to the A44 effective date to obtain extended metering services as defined under the MSLA. In such cases, the user will be allocated the nearest equivalent reference service (metering).~~