

# Reference Services

## **ELECTRICITY NETWORKS CORPORATION ("WESTERN POWER")**

ABN 18 540 492 861

{Outline: These *reference services* are included in Western Power's *access arrangement* in accordance with section 5.1 of the *Code*.}

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### 1 Introduction

This document describes Western Power's *reference services*. It should be noted that:

- the *standard metering service* is defined in the model service level agreement most recently approved by the Economic Regulation Authority under the *Electricity Industry Metering Code 2005*; and
- the definitions of accumulation meter and interval meter are within the *Electricity Industry Metering Code 2005*.

### 2 Reference Services (Exit Services)

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

Reference Service Name:	Reference Service A1 – Anytime Energy (Residential) Exit Service
Reference Service Description:	An <i>exit service</i> combined with a <i>connection service</i> and a standard meter service at an <i>exit point</i> on the low voltage (415 volts or less) <i>distribution system</i> <sup>1</sup> .
Eligibility Criteria:	<p>Users are eligible to use this <i>service</i> if:</p> <ol style="list-style-type: none"> <li>The <i>exit point</i> is located at a residential premise or a premise occupied by a voluntary/charitable organisation;</li> <li>A single register accumulation meter is installed at the <i>exit point</i><sup>2</sup>; and</li> <li>The <i>consumer's facilities and equipment</i> comply with the Technical Rules, the WA Electrical Requirements and AS 3000.</li> </ol>
Applicable Reference Tariff:	"RT1" in the <i>Price List</i> published in Appendix 5 of the <i>Access Arrangement</i>
Applicable Standard Access Contract:	"Electricity Transfer Access Contract" published in Appendix 4 of the <i>Access Arrangement</i>
Applicable Service Standard Benchmarks:	Refer to Section 3.18 and 3.19 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 standard meter service at an <i>exit point</i> on the low voltage (415 volts or less) <i>distribution system</i> <sup>1</sup> .
Eligibility Criteria:	<p><i>Users</i> are eligible to use this <i>service</i> if:</p> <ol style="list-style-type: none"> <li>1. The <i>exit point</i> is located at a commercial premise;</li> <li>2. The maximum demand at the <i>exit point</i> is: <ol style="list-style-type: none"> <li>a. less than 1,500 kVA based on historic metering data; or</li> <li>b. Western Power considers, as a <i>reasonable and prudent person</i>, that the <i>User's</i> forecast maximum demand will be less than 1,500 kVA.</li> </ol> </li> <li>3. A single register accumulation meter is installed at the <i>exit point</i><sup>2</sup>; and</li> <li>4. The <i>consumer's facilities and equipment</i> comply with the Technical Rules, the WA Electrical Requirements and AS 3000.</li> </ol>
Applicable Reference Tariff:	"RT2" in the <i>Price List</i> published in Appendix 5 of the <i>Access Arrangement</i>
Applicable Standard Access Contract:	"Electricity Transfer Access Contract" published in Appendix 4 of the <i>Access Arrangement</i>
Applicable Service Standard Benchmarks:	Refer to Section 3.18 and 3.19 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 standard meter service at an <i>exit point</i> on the low voltage (415 volts or less) <i>distribution system</i> <sup>1</sup> .
Eligibility Criteria:	<p><i>Users</i> are eligible to use this <i>service</i> if:</p> <ol style="list-style-type: none"> <li>1. The <i>exit point</i> is located at a residential premise or a premise occupied by a voluntary/charitable organisation; <ol style="list-style-type: none"> <li>a. .</li> </ol> </li> <li>2. Either a Smartpower meter or multiple register TOU accumulation meter is installed at the <i>exit point</i><sup>2</sup>; and</li> <li>3. The <i>consumer's facilities and equipment</i> comply with the Technical Rules, the WA Electrical Requirements and AS 3000.</li> </ol>
Applicable Reference Tariff:	"RT3" in the <i>Price List</i> published in Appendix 5 of the <i>Access Arrangement</i>
Applicable Standard Access Contract:	"Electricity Transfer Access Contract" published in Appendix 4 of the <i>Access Arrangement</i>
Applicable Service Standard Benchmarks:	Refer to Section 3.18 and 3.19 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 standard meter service at an <i>exit point</i> on the low voltage (415 volts or less) <i>distribution system</i> <sup>1</sup> .
Eligibility Criteria:	<p>Users are eligible to use this service if:</p> <ol style="list-style-type: none"> <li>1. The <i>exit point</i> is located at a commercial premise;</li> <li>2. The maximum demand at the <i>exit point</i> is: <ol style="list-style-type: none"> <li>a. less than 1,500 kVA based on historic metering data; or</li> <li>b. Western Power considers, as a reasonable and prudent person, that the User's forecast maximum demand will be less than 1,500 kVA.</li> </ol> </li> <li>3. A TOU interval meter is installed at the <i>exit point</i><sup>2</sup>; and</li> <li>4. The consumer's <i>facilities and equipment</i> comply with the Technical Rules, the WA Electrical Requirements and AS 3000.</li> </ol>
Applicable Reference Tariff:	"RT4" in the <i>Price List</i> published in Appendix 5 of the <i>Access Arrangement</i>
Applicable Standard Access Contract:	"Electricity Transfer Access Contract" published in Appendix 4 of the <i>Access Arrangement</i>
Applicable Service Standard Benchmarks:	Refer to Section 3.18 and 3.19 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 standard meter service at an <i>exit 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"> <li>1. The maximum demand at the <i>exit point</i> is: <ol style="list-style-type: none"> <li>a. less than 1,500 kVA based on historic metering data; or</li> <li>b. Western Power considers, as a reasonable and prudent person, that the User's forecast maximum demand will be less than 1,500 kVA.</li> </ol> </li> <li>2. A TOU interval meter is installed at the <i>exit point</i><sup>2</sup>; and</li> <li>3. The consumer's <i>facilities and equipment</i> comply with the Technical Rules, the WA Electrical Requirements and AS 3000.</li> </ol>
Applicable Reference Tariff:	"RT5" in the <i>Price List</i> published in Appendix 5 of the <i>Access Arrangement</i>
Applicable Standard Access Contract:	"Electricity Transfer Access Contract" published in Appendix 4 of the <i>Access Arrangement</i>
Applicable Service Standard Benchmarks:	Refer to Section 3.18 and 3.19 of the <i>Access Arrangement</i>

<b>Reference Service Name:</b>	<b>Reference Service A6 – Low Voltage Metered Demand Exit Service</b>
Reference Service Description:	An <i>exit service</i> combined with a <i>connection service</i> and a standard meter service at an <i>exit point</i> on the low voltage (415 volts or less) <i>distribution system</i> <sup>1</sup> .
Eligibility Criteria:	<p><i>Users</i> are eligible to use this <i>service</i> if:</p> <ol style="list-style-type: none"> <li>1. The maximum demand at the <i>exit point</i> is: <ol style="list-style-type: none"> <li>a. less than 1,500 kVA based on historic metering data; or</li> <li>b. Western Power considers, as a reasonable and prudent person, that the <i>User's</i> forecast maximum demand will be less than 1,500 kVA.</li> </ol> </li> <li>2. A TOU interval meter is installed at the <i>exit point</i><sup>2</sup>; and</li> <li>3. The consumer's <i>facilities and equipment</i> comply with the Technical Rules, the WA Electrical Requirements and AS 3000.</li> </ol>
Applicable Reference Tariff:	"RT6" in the <i>Price List</i> published in Appendix 5 of the <i>Access Arrangement</i>
Applicable Standard Access Contract:	"Electricity Transfer Access Contract" published in Appendix 4 of the <i>Access Arrangement</i>
Applicable Service Standard Benchmarks:	Refer to Section 3.18 and 3.19 of the <i>Access Arrangement</i>

<b>Reference Service Name:</b>	<b>Reference Service A7 – High Voltage Contract Maximum Demand Exit Service</b>
Reference Service Description:	An <i>exit service</i> combined with a <i>connection service</i> and a standard meter service 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"> <li>1. The contracted maximum demand at the <i>exit point</i> is greater than 1,000 kVA;</li> <li>2. A TOU interval meter is installed at the <i>exit point</i><sup>2</sup>; and</li> <li>3. The consumer's <i>facilities and equipment</i> comply with the Technical Rules, the WA Electrical Requirements and AS 3000.</li> </ol>
Applicable Reference Tariff:	"RT7" in the <i>Price List</i> published in Appendix 5 of the <i>Access Arrangement</i>
Applicable Standard Access Contract:	"Electricity Transfer Access Contract" published in Appendix 4 of the <i>Access Arrangement</i>
Applicable Service Standard Benchmarks:	Refer to Section 3.18 and 3.19 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 standard meter service at an <i>exit point</i> on the low voltage (415 volts or less) <i>distribution system</i> <sup>1</sup> .
Eligibility Criteria:	<p><i>Users</i> are eligible to use this <i>service</i> if:</p> <ol style="list-style-type: none"> <li>1. The contracted maximum demand at the <i>exit point</i> is greater than 1,000 kVA;</li> <li>2. A TOU interval meter is installed at the <i>exit point</i><sup>2</sup>; and</li> <li>3. The <i>consumer's facilities and equipment</i> comply with the Technical Rules, the WA Electrical Requirements and AS 3000.</li> </ol>
Applicable Reference Tariff:	"RT8" in the <i>Price List</i> published in Appendix 5 of the <i>Access Arrangement</i>
Applicable Standard Access Contract:	"Electricity Transfer Access Contract" published in Appendix 4 of the <i>Access Arrangement</i>
Applicable Service Standard Benchmarks:	Refer to Section 3.18 and 3.19 of the <i>Access Arrangement</i>

Reference Service Name:	Reference Service A9 – Streetlighting Exit Service
Reference Service Description:	An <i>exit service</i> combined with a <i>connection service</i> at an <i>exit point</i> on the low voltage (415 volts or less) <i>distribution system</i> for the purpose of public street lighting, plus the service of the provision and maintenance of the streetlight.
Eligibility Criteria:	<i>Users</i> are eligible to use this <i>service</i> if the streetlight is a Western Power streetlight.
Applicable Reference Tariff:	"RT9" in the <i>Price List</i> published in Appendix 5 of the <i>Access Arrangement</i>
Applicable Standard Access Contract:	"Electricity Transfer Access Contract" published in Appendix 4 of the <i>Access Arrangement</i>
Applicable Service Standard Benchmarks:	Refer to Sections 3.18, 3.19 and 3.23 of the <i>Access Arrangement</i>

Reference Service Name:	Reference Service A10 –Un-Metered Supplies Exit Service
Reference Service Description:	An <i>exit service</i> combined with a <i>connection service</i> at an <i>exit point</i> on the low voltage (415 volts or less) <i>distribution system</i> .
Eligibility Criteria:	<p>Users are eligible to use this service if:</p> <ol style="list-style-type: none"> <li>1. The <i>exit point</i> is located on public land;</li> <li>2. The <i>maximum load at the exit point</i> is not subject to user or consumer controlled variations in duration of usage;</li> <li>3. <i>Western Power, as a reasonable and prudent person, forecasts the maximum load at the exit point to be less than 1 kW single-phase except for streetlights, traffic lights, rail crossings, and pedestrian lighting where the consumer is a road or local government authority, then the maximum load at the exit point is less than 4.8 kW single phase;</i></li> <li>4. <i>Metering is not practicable due to the nature or location of the exit point and/or consumer's facilities and equipment; and</i></li> <li>5. <i>The consumer's facilities and equipment comply with the Technical Rules, the WA Electrical Requirements and AS 3000.</i></li> </ol>
Applicable Reference Tariff:	<p>"RT10" in the <i>Price List</i> published in Appendix 5 of the <i>Access Arrangement</i></p> <p>The energy used will be estimated from the total connected wattage (name plate rating)</p>
Applicable Standard Access Contract:	"Electricity Transfer Access Contract" published in Appendix 4 of the <i>Access Arrangement</i>
Applicable Service Standard Benchmarks:	Refer to Section 3.18 and 3.19 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 standard meter service at an <i>exit point</i> on the <i>transmission system</i> .
Eligibility Criteria:	<p>Users are eligible to use this service if:</p> <ol style="list-style-type: none"> <li>1. A TOU interval meter is installed at the <i>exit point</i><sup>2</sup>; and</li> <li>2. The consumer's <i>facilities and equipment</i> comply with the Technical Rules, the WA Electrical Requirements and AS 3000.</li> </ol>
Applicable Reference Tariff:	"TRT1" in the <i>Price List</i> published in Appendix 5 of the <i>Access Arrangement</i>
Applicable Standard Access Contract:	"Electricity Transfer Access Contract" published in Appendix 4 of the <i>Access Arrangement</i>
Applicable Service Standard Benchmarks:	Refer to Section 3.22 of the <i>Access Arrangement</i>

### 3 Reference Services (Entry Services)

Western Power offers 2 entry services as reference services.

Reference Service Name:	Reference Service B1 – Distribution Entry Service
Reference Service Description:	An <i>entry service</i> combined with a <i>connection service</i> and a standard meter service at an <i>entry point</i> on the <i>distribution system</i> .
Eligibility Criteria:	Users are eligible to use this <i>service</i> if: 1. A TOU interval meter is installed at the <i>entry point</i> <sup>2</sup> ; and 2. The <i>generator’s facilities and equipment</i> comply with the Technical Rules, the WA Electrical Requirements and AS 3000.
Applicable Reference Tariff:	“RT11” in the Price List published in Appendix 5 of the <i>Access Arrangement</i>
Applicable Standard Access Contract:	“Electricity Transfer Access Contract” published in Appendix 4 of the <i>Access Arrangement</i>
Applicable Service Standard Benchmarks:	Refer to Section 3.18 and 3.19 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 standard meter service at an <i>entry point</i> on the <i>transmission system</i> .
Eligibility Criteria:	Users are eligible to use this <i>service</i> if: 1. A TOU interval meter is installed at the <i>entry point</i> <sup>2</sup> ; and 2. The <i>generator’s facilities and equipment</i> comply with the Technical Rules, the WA Electrical Requirements and AS 3000.
Applicable Reference Tariff:	“TRT2” in the Price List published in Appendix 5 of the <i>Access Arrangement</i>
Applicable Standard Access Contract:	“Electricity Transfer Access Contract” published in Appendix 4 of the <i>Access Arrangement</i>
Applicable Service Standard Benchmarks:	Refer to Section 3.22 of the <i>Access Arrangement</i>

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1. Western Power defines standard supply at 240 V single-phase or 440 V three-phase as:
    - 63 Amps single-phase (urban areas);
    - 32 Amps single-phase (rural areas and towns); and
    - a maximum consumer mains size of 35mm<sup>2</sup>.
  2. Under clause 14.1(b) of the *Applications and Queuing Policy* if a *connection point* consists of more than one *metering point*, the meters must be of the same type.