



**Public Lighting Services
Tariff Application and Price Guide**

2016-17

As submitted to the Australian Energy Regulator



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1 Introduction

This 2016-17 Public Lighting Services Tariff Application and Price Guide outlines TasNetworks' tariff terms and prices applying to the provision of alternative control services – public lighting services from 1 July 2016 to 30 June 2017. The guide sets out the services provided by TasNetworks in relation to:

- the provision, maintenance and replacement of public lighting assets owned by TasNetworks (**public lighting**);
- the maintenance of public lighting assets owned by customers (**contract lighting**); and
- the provision, maintenance and replacement of TasNetworks owned public lighting poles (**surcharge poles**).

Public lighting services that are not included in this guide are:

- the alteration and relocation of public lighting assets, which is provided on a quoted service basis and categorised as a quoted (non-standard) service¹;
- the installation of contract lights, which will be provided on a quoted service basis and categorised as a quoted (non-standard) service¹; and
- the provision of new public lighting technologies, which is classified as a negotiated distribution service.

Further information on TasNetworks' public lighting tariffs can be found on TasNetworks' website at:

<http://www.tasnetworks.com.au/our-network/network-revenue-pricing/distribution-fees-and-tariffs>

¹ TasNetworks' quoted services prices are discussed in TasNetworks' *Quoted Services Application and Price Guide 2016-17*

2 Background

TasNetworks operates and maintains the public lighting system throughout Tasmania on behalf of councils and other Government road authorities. The objectives of public lighting are to provide a lit environment conducive to the safe movement of vehicular and pedestrian traffic and to promote public security during hours of darkness.

The public lighting services provided to illuminate communal outdoor areas includes the management of luminaire, fixtures, support brackets and control systems.

TasNetworks' public lighting is classified in accordance with AS/NZS 1158 into the following categories:

- **Category 'V'** – generally referred to as major fittings, which is applicable for roads where the visual requirements of motorists are dominant.
- **Category 'P'** – generally referred to as minor fittings, which is applicable for roads where the visual requirements of pedestrians are dominant. Also applicable to outdoor public areas, other than roads, where the visual requirements of pedestrians are dominant, for example, outdoor shopping precincts.

The road lighting authority will advise TasNetworks of the required category of public lighting services at the time installation.

As well as those discussed above, TasNetworks has two additional categories of lighting services, being contract lights and surcharge poles.

TasNetworks owns the majority of the luminaires. Approximately 75 per cent of public lighting is supported on distribution poles. The remaining public lighting is mounted on dedicated poles, which in most cases are privately owned. There are 28 councils plus the Department of State Growth, Tasports, various Government Business Enterprises and contract clients who have some ownership interest in public lighting services, as well as being paying customers of TasNetworks.

3 Application of public lighting tariffs

3.1 TasNetworks

All references to TasNetworks within this Public Lighting Services Tariff Application and Price Guide, unless otherwise stated, refer to TasNetworks in its capacity as a licensed distribution network service provider in the Tasmanian region of the National Electricity Market (**NEM**) only.

3.2 Goods and service tax (GST)

The public lighting services prices and tariffs published by TasNetworks, unless otherwise stated, are exclusive of GST.

3.3 Public lighting charges

Public lighting services consist of the repair, replacement and maintenance of existing public lighting assets as well as the provision of new public lighting assets. The calculation of TasNetworks' public lighting charges is based on the costs associated with installing and maintaining the fitting and the bracket.

Public lighting tariffs do not include charges for the utilisation of TasNetworks' distribution network. Contributions towards the costs of the distribution network are recovered from public lighting customers through separate network tariffs, which are published in TasNetworks' Network Tariff Application and Price Guide.

The public lighting tariffs within this Public Lighting Services Tariff Application and Price Guide are calculated in accordance with the Australian Energy Regulator's (**AER**) Distribution Determination.

3.4 Invoicing process

TasNetworks raises all public lighting invoices on a monthly basis as per the charges detailed in this Tariff Application and Price Guide.

3.5 Change, installation or removal of luminaire

In the case of a newly installed public lighting service, the charge for the provision of the lighting service will apply for the entire month in which the new public lighting service was installed.

In cases where a public lighting service is discontinued, the charge for the provision of the lighting service will apply for the entire month in which the public lighting service in question was removed.

When a change in the type of public lighting service type occurs, (e.g. an 80W Mercury Vapour luminaire is changed over to an 18W LED), charges for the provision of both lighting types will be applied for the entire month in which the change was made.

4 Assigning and reassigning customers to tariffs

TasNetworks assigns customers to public lighting tariff classes on the basis of the overarching type of public lighting services provided. Customers are assigned to one or more of the following public lighting tariff classes:

- public lighting;
- contract lighting; and
- surcharge poles.

4.1 Assignment of public lighting tariffs

Once a customer has been assigned to a public lighting tariff class, or classes, TasNetworks will assign public lighting tariffs to the customer based on the customer's choice of fittings.

4.2 Reassignment of public lighting tariffs

Customers seeking a change in public lighting service will be reassigned to a new public lighting tariff at the commencement of the next billing period for the customer where a change is deemed appropriate by TasNetworks.

Customers will thereafter remain on the reassigned public lighting tariff.

A tariff reassignment request may be made:

- a) through the customer's retailer, in which case the retailer will notify TasNetworks;
- b) through TasNetworks, in which case TasNetworks will advise the customer's retailer.

Where TasNetworks changes the luminaire of an obsolete fitting type to that of a new fitting type, the customer will be reassigned to a new public lighting tariff at the commencement of the next billing period for the customer.

Customers will thereafter remain on the reassigned public lighting tariff.

Exceptions to the above conditions will only be made at TasNetworks' discretion where it can be demonstrated that to not do so would result in unreasonable penalties or impose hardship on the customer.

5 Public lighting

5.1 Major fittings

Major public lighting has historically been a combination of light sources, including mercury vapour and low and high pressure sodium vapour luminaires. The majority of new fittings installed for major public lighting purposes are high pressure sodium vapour fittings with in-built power factor correction. Major public lighting is designed and installed on major roads to a specified level, as documented in Australian Standards AS/NZS 1158 Series and AS/NZS 3771 or as requested and agreed to by the respective road authority.

The daily charges for the provision of major fittings for the period 1 July 2016 to 30 June 2017 are presented in Table 1.

Table 1: Major fittings

Fitting Type	Tariff (c/day)	Annual Charge(\$) ²
Current/New Fittings		
100W Sodium Vapour	34.581	126.22
150W Sodium Vapour	38.223	139.51
250W Sodium Vapour	38.341	139.94
400W Sodium Vapour	38.532	140.64
150W Metal Halide	38.223	139.51
250W Metal Halide	38.341	139.94
Obsolete Fittings		
125W Mercury Vapour	37.111	135.46
250W Mercury Vapour	37.541	137.02
400W Mercury Vapour	41.707	152.23

² Assumes full year

5.2 Minor fittings

Minor public lighting is installed to a standard, however the spacing of luminaires is usually determined by the existing poles which are available for the mounting of lighting fittings and the costs the road authority will accept. Public lighting in subdivisions with underground supply is installed on dedicated columns that are spaced according to public light spacing specifications for the luminaires used at the time of installation.

The daily charges for the provision of minor fittings for the period 1 July 2016 to 30 June 2017 are presented in Table 2.

Table 2: Minor fittings

Fitting Type	Tariff (c/day)	Annual Charge (\$) ³
Current/New Fittings		
70W Sodium Vapour	34.325	125.29
42W Compact Fluorescent	34.271	125.09
Obsolete Fittings		
80W Mercury Vapour – Aeroscreen	32.230	117.64
80W Mercury Vapour – Art Decorative	51.058	186.36
50W Mercury Vapour	32.230	117.64

TasNetworks has introduced 18W LED lights for minor fittings. The tariff for the 18W LED light is currently a negotiated tariff and, as such, is not included in this document.

³ Assumes full year

6 Contract lighting

Contract lighting refers to lights that provide a direct benefit to a particular customer. All components of the installation, including the light fitting and arm, are maintained at the customer's cost, except for replacement of the lamps and control equipment, which the cost of which is included as part of the contract lighting tariff. Contract lighting may be mounted on TasNetworks' poles and connected to the public lighting circuit or supported by private poles or buildings.

The daily charges for the provision of contract lighting for the period 1 July 2016 to 30 June 2017 are presented in Table 3.

Table 3: Contract lighting

Fitting Type	Tariff (c/day)	Annual Charge (\$) ⁴
Current/New Fittings		
70W Sodium Vapour	22.191	81.00
150W Sodium Vapour	23.667	86.38
250W Sodium Vapour	23.634	86.26
400W Sodium Vapour	23.704	86.52
150W Metal Halide	23.667	86.38
250W Metal Halide	23.634	86.26
400W Metal Halide	23.634	86.26
Obsolete Fittings		
50W Mercury Vapour	22.017	80.36
80W Mercury Vapour – Aeroscreen	22.006	80.32
125W Mercury Vapour	22.996	83.94
250W Mercury Vapour	23.065	84.19
400W Mercury Vapour	23.116	84.37
1x20W Fluorescent	22.067	80.54
2x20W Fluorescent	22.179	80.95
1x40W Fluorescent	22.075	80.57
2x40W Fluorescent	23.171	84.57
3x40W Fluorescent	23.290	85.01
4x40W Fluorescent	24.071	87.86
60W Incandescent	22.004	80.31
100W Incandescent	22.982	83.88

⁴ Assumes full year

7 Surcharge poles

In the past, dedicated public lighting poles were installed for public lighting customers at TasNetworks' cost and a surcharge applied to the responsible authority, in addition to the applicable standard public lighting charges, in order to recover the costs associated with the additional public lighting assets (poles). This practice has now ceased with all new dedicated public poles being owned by the authority for which the public light is installed. However, a large number of surcharge poles remain in use.

The daily charge for the provision of a surcharge pole for the period 1 July 2016 to 30 June 2017 is presented in Table 4.

Table 4: Surcharge poles

Surcharge Poles	Tariff (c/day)	Annual Charge (\$) ⁵
Surcharge pole	20.192	73.70

⁵ Assumes full year

8 Procedure for reviewing complaints and disputes

TasNetworks will ensure that all complaints and disputes are dealt with in accordance with its standard complaints and dispute resolution policy and procedures. TasNetworks' dispute resolution policy is reviewed annually and published on TasNetworks' website.

8.1 Internal procedure for reviewing objections

In the event that TasNetworks receives written notification that a customer has an objection to a proposed public lighting tariff assignment or reassignment, the following additional procedures will be followed.

TasNetworks may consult with the customer's retailer during the process of undertaking a review.

TasNetworks will undertake the following internal review process:

- the customer's written objection will be reviewed by TasNetworks;
- additional information provided by the customer (and/or the customer's retailer) will be considered;
- TasNetworks will determine the tariff assignment that should apply;
- the proposed tariff assignment (or reassignment) will be reviewed and approved by the Commercial Solutions Team Leader; and
- the customer (and/or customer's retailer) will be notified in writing of the tariff assignment review outcome within 15 business days of receipt of the customer's written objection.

8.2 Objection not resolved to satisfaction of customer under internal review process

If a customer's objection to a public lighting tariff assignment is not resolved to their satisfaction after applying TasNetworks' internal review process as detailed above, the customer is entitled to seek resolution through the following avenues:

- if the resolution of the dispute is within the jurisdiction of the Energy Ombudsman, the customer is entitled to escalate the matter to the Energy Ombudsman; or
- the customer is entitled to seek a decision from the AER via the dispute resolution process available under Part L of Chapter 6 of the National Electricity Rules.

8.3 Final tariff class assignment

8.3.1 Initial tariff assignment

If a customer's objection relates to the tariff assigned when the public light was first connected, the original tariff will apply until the objection has been resolved in accordance with these procedures.

If the objection is resolved so that a different tariff is applicable, application of the new tariff will be back-dated to the original date of the assignment, and the customer's retailer will be billed accordingly.

8.3.2 Tariff reassignment

If a customer's objection relates to a public lighting tariff re-assignment, the original tariff will apply until the objection has been resolved in accordance with these procedures.

If the objection is resolved so that the re-assignment stands, application of the new tariff will commence at the start of the next billing period, or the originally notified date, whichever is the latter.

9 Obsolete and abolished tariffs

9.1 Obsolete tariffs

There are a number of public lighting tariffs that TasNetworks has classified as obsolete. Obsolete public lighting tariffs are no longer available to new customers. Existing customers may remain on an obsolete tariff providing no alteration is made to the fitting and the fitting doesn't require replacement as a result of a fault.

Obsolete fittings may be either maintained or replaced by TasNetworks at the time of fault rectification. As a general rule, lamps will be replaced with like lamps, whereas fittings (luminaires) will be replaced with a different luminaire type. The replacement fittings used will be in accordance with Table 5.

Customers who choose to transfer or remove an obsolete luminaire will not be able to revert back to that luminaire at a later date.

A current or new fitting must be selected when transferring to a new luminaire.

Table 5: Obsolete fittings

Luminaire (existing)	Category	Luminaire (new)
50W Mercury Vapour	Obsolete	42W Compact Fluorescent or 18W LED ⁶
80W Mercury Vapour – Aeroscreen	Obsolete	42W Compact Fluorescent or 18W LED ⁶
80W Mercury Vapour – Art Decorative	Obsolete	42W Compact Fluorescent or 18W LED ⁶
125W Mercury Vapour	Obsolete	42W Compact Fluorescent, 18W LED ⁶ , 100W Sodium Vapour or 100W Metal Halide
250W Mercury Vapour	Obsolete	150W Sodium Vapour or 150W Metal Halide
400W Mercury Vapour	Obsolete	250W Sodium Vapour or 250W Metal Halide

⁶ The 18W LED will be subject to a Negotiated Price until 30 June 2017. As a result, the price is not contained within this document.

9.2 Abolished tariffs

There are a number of public lighting tariffs that TasNetworks has abolished since the start of the current regulatory control period. Abolished public lighting tariffs are no longer available to any customer, new or existing. Fittings supplied under an abolished tariff will be replaced in accordance with Table 6.

Table 6: Abolished fittings

Luminaire (existing)	Category	Luminaire (new)
2x20W Fluorescent	Abolished	42W Compact Fluorescent or 18W LED ⁷
2x40W Fluorescent	Abolished	42W Compact Fluorescent or 18W LED ⁷
60W Incandescent	Abolished	42W Compact Fluorescent or 18W LED ⁷

⁷ The 18W LED will be subject to a Negotiated Price until 30 June 2017. As a result, the price is not contained within this document.

10 Glossary

Abolished tariff	Public lighting tariffs that have been superseded and are no longer available to any customer
AER	Australian Energy Regulator
AS/NZS	Australia and New Zealand Standards
Billing period	The period covered by the bill sent to a retailer or customer
Customer	A person to whom TasNetworks provides regulated services
Distribution Determination	AER, Final Distribution Determination, Aurora Energy Pty Ltd, 2012-13 to 2016-17, April 2012
Distributor	As defined in the <i>Electricity Supply Industry Act 1995</i> (Tas)
Energy Ombudsman	As defined in the <i>Energy Ombudsman Act 1998</i> (Tas)
Network tariff	The schedule of fees (including the rate or rates and relevant terms and conditions) TasNetworks uses to calculate the amount it charges customers, or a class of customers, for network services, as amended from time to time
Obsolete tariff	Public lighting tariffs that have been superseded but remain in place for existing customers until such time as they are rescinded or the electrical configuration of a customer's installation is altered
TasNetworks	Unless otherwise stated means Tasmanian Networks Pty Ltd ABN 24 167 357 299 in its capacity as a distributor licensed by the Regulator in the state of Tasmania