



TasNetworks

**Public Lighting Services  
Application and Price Guide**

**2021-22**

As submitted to the Australian Energy Regulator



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## 1 Introduction

This 2021-22 Public Lighting Services Application and Price Guide outlines TasNetworks' tariff terms and prices applying to the provision of public lighting services from 1 July 2021 to 30 June 2022. 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**); and
- the maintenance of public lighting assets owned by customers (**contract lighting**).

These services include the provision, construction and maintenance of new/emerging lighting technology services.

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) service;<sup>1</sup> and
- the installation of contract lights, which is provided on a quoted service basis and categorised as a quoted (non-standard) service.<sup>1</sup>

Further information on TasNetworks' public lighting tariffs can be found on our website at: <https://www.tasnetworks.com.au/poles-and-wires/pricing/Our-prices>.

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<sup>1</sup> TasNetworks' quoted services prices are discussed in TasNetworks' *Ancillary Services – Quoted Services Application and Price Guide 2021-22* which can be found at <https://www.tasnetworks.com.au/poles-and-wires/pricing/Our-prices>.

## 2 Background

TasNetworks operates and maintains public lighting infrastructure 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 include the management of luminaires, 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 to roads where the visual requirements of motorists are dominant.
- **Category 'P'** – generally referred to as minor fittings, which is applicable to roads where the visual requirements of pedestrians are dominant. This category is also applicable to outdoor public areas, other than roads, where the visual requirements of pedestrians are dominant, for example, outdoor shopping precincts.

The relevant road lighting authority<sup>2</sup> will advise TasNetworks of the required category of public lighting services at the time of installation.

As well as the public lighting services discussed above, TasNetworks has an additional category of lighting services, being contract lights.

TasNetworks owns just over half of the luminaires in the State while 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 27 Local Government Councils on mainland Tasmania 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 customers of TasNetworks.

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<sup>2</sup> This could be one of the Local Government Councils or the Department of State Growth.

### 3 Application of public lighting tariffs

#### 3.1 TasNetworks

All references to TasNetworks within this Public Lighting Services 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 outlined in this Application and Price Guide, 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' electricity network. Contributions towards the costs of the electricity network are recovered from public lighting customers through separate network tariffs, which are published in TasNetworks' Network Tariff Application and Price Guide.<sup>3</sup>

The public lighting tariffs within this Public Lighting Services Application and Price Guide are calculated in accordance with the Australian Energy Regulator's (**AER**) Distribution Determination for TasNetworks.<sup>4</sup>

#### 3.4 Invoicing process

TasNetworks raises all public lighting invoices on a monthly basis as per the charges detailed in this 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 is 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 is removed.

When a change in the type of public lighting service type occurs, (e.g. an 80W Mercury Vapour luminaire is changed over to a 14W LED fitting), charges for the provision of both lighting types will be applied for the entire month in which the change is made.

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<sup>3</sup> This document can be found at <https://www.tasnetworks.com.au/poles-and-wires/pricing/Our-prices>.

<sup>4</sup> See <https://www.aer.gov.au/networks-pipelines/determinations-access-arrangements/tasnetworks-determination-2019-24/final-decision>.

## 4 Assigning and reassigning customers to tariffs

TasNetworks assigns customers' installations/lights to public lighting tariff classes on the basis of the type of public lighting services provided. Installations/lights are assigned to one or more of the following public lighting tariff classes:

- public lighting; and
- contract lighting.

### 4.1 Assignment of public lighting tariffs

Once a customer's installation/light has been assigned to a public lighting tariff class, or classes, TasNetworks will assign public lighting tariffs 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 by a customer:

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

Where TasNetworks changes the luminaire of an obsolete fitting type to 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 be unreasonable or impose hardship on the customer.



## 5 Public lighting

### 5.1 Major fittings

Major public lighting has historically involved a combination of light sources, including mercury vapour and low and high pressure sodium vapour luminaires. All new fittings installed for major public lighting purposes are LED only. Major public lighting is designed and installed on major roads to a specified level, as documented in Australian Standards AS/NZS 1158 Series 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 2021 to 30 June 2022 are presented in Table 1.

**Table 1: Major fittings**

Fitting type	Tariff (¢/day)	Annual charge (\$)
<b>Current/new fittings</b>		
New technology – major	50.276	183.50
<b>Obsolete fittings</b>		
100W sodium vapour	48.356	176.49
150W sodium vapour	50.831	185.53
250W sodium vapour	51.999	189.79
400W sodium vapour	52.580	191.91
250W sodium vapour – flood light	55.506	202.59
400W sodium vapour – flood light	54.893	200.35
100W metal halide	48.747	177.92
150W metal halide	51.001	186.15
250W metal halide	51.877	189.35
400W metal halide	56.379	205.78
250W metal halide – flood light	56.619	206.65
400W metal halide – flood light	56.379	205.78
125W mercury vapour	48.361	176.51
250W mercury vapour	48.777	178.03
400W mercury vapour	50.242	183.38



## 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 lighting 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. All new minor fittings are LED only.

The daily charges for the provision of minor fittings for the period 1 July 2021 to 30 June 2022 are presented in Table 2.

**Table 2: Minor fittings**

Fitting type	Tariff (¢/day)	Annual charge (\$)
<b>Current/new fittings</b>		
New technology – minor	39.183	143.01
14W LED	39.183	143.01
<b>Obsolete fittings</b>		
18W LED	39.565	144.41
18W LED decorative	51.905	189.45
25W LED	39.777	145.18
25W LED decorative	52.119	190.23
42W compact fluorescent	41.464	151.34
42W compact fluorescent – bottom pole entry	41.464	151.34
T5 fluorescent 2 x 24W	43.540	158.92
1x20W fluorescent	43.261	157.90
50W mercury vapour	39.349	143.62
80W mercury vapour	39.334	143.56
80W mercury vapour – decorative	54.799	200.01
70W sodium vapour	41.721	152.28

## 6 Contract lighting

Contract lighting refers to lights that provide a direct benefit to a particular customer. As part of the contract lighting tariff, TasNetworks is responsible for replacement of the lamps<sup>5</sup> and control equipment. All other components of the installation, including the light fitting and arm, are the responsibility of the customer as the owner of the light. 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 2021 to 30 June 2022 are presented in Table 3.

**Table 3: Contract lighting**

Fitting type	Tariff (¢/day)	Annual charge (\$)
<b>Current/new fittings</b>		
New technology – minor	13.885	50.68
New technology – major	14.600	53.29
14W LED	13.885	50.68
<b>Obsolete fittings</b>		
18W LED	14.311	52.23
18W LED decorative	14.311	52.23
25W LED	14.311	52.23
25W LED decorative	14.311	52.23
42W compact fluorescent	19.831	72.38
42W compact fluorescent – bottom pole entry	19.831	72.38
70W sodium vapour	20.099	73.36
100W sodium vapour	23.914	87.28
150W sodium vapour	24.168	88.21
250W sodium vapour	24.336	88.82
400W sodium vapour	24.393	89.03
250W sodium vapour – flood light	24.336	88.82
400W sodium vapour – flood light	24.393	89.03
100W metal halide	24.169	88.21
150W metal halide	23.969	87.48
250W metal halide	23.969	87.48
400W metal halide	24.633	89.91
250W metal halide – flood light	23.969	87.48
400W metal halide – flood light	24.633	89.91
50W mercury vapour	19.662	71.76

<sup>5</sup> The contract lighting tariff for LED lights does not include lamp replacement as this is not required for LEDs.

<b>Fitting type</b>	<b>Tariff (¢/day)</b>	<b>Annual charge (\$)</b>
80W mercury vapour	19.623	71.62
80W mercury vapour – decorative	19.623	71.62
125W mercury vapour	22.974	83.85
250W mercury vapour	22.974	83.85
400W mercury vapour	23.118	84.38
1 x 20W fluorescent	19.704	71.91
2 x 20W fluorescent	19.983	72.93
1 x 40W fluorescent	19.722	71.98
2 x 40W fluorescent	20.019	73.06
3 x 40W fluorescent	23.714	86.55
4 x 40W fluorescent	24.012	87.64
4 x 20W fluorescent	20.542	74.97
60W incandescent	19.543	71.33
100W incandescent	22.942	83.73

## 7 Procedure for reviewing complaints and disputes

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

### 7.1 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 Leader Commercial Solutions; 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.

### 7.2 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.

### 7.3 Final tariff class assignment

#### 7.3.1 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 backdated to the original date of the assignment, and the customer's retailer will be billed accordingly.

#### 7.3.2 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.



## 8 Obsolete and abolished tariffs

### 8.1 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 4.

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

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

**Table 4: Obsolete fittings**

Luminaire (existing)	Category	Luminaire (new)
18W LED	Obsolete	New technology – minor
18W LED decorative	Obsolete	New technology – minor
25W LED	Obsolete	New technology – minor
25W LED decorative	Obsolete	New technology – minor
70W sodium vapour	Obsolete	New technology – minor
100W sodium vapour	Obsolete	New technology – major
150W sodium vapour	Obsolete	New technology – major
250W sodium vapour	Obsolete	New technology – major
400W sodium vapour	Obsolete	New technology – major
250W sodium vapour – flood light	Obsolete	New technology – major
400W sodium vapour – flood light	Obsolete	New technology – major
100W metal halide	Obsolete	New technology – major
150W metal halide	Obsolete	New technology – major
250W metal halide	Obsolete	New technology – major
400W metal halide	Obsolete	New technology – major
250W metal halide – flood light	Obsolete	New technology – major
400W metal halide – flood light	Obsolete	New technology – major
42W compact fluorescent	Obsolete	New technology – minor
42W compact fluorescent – bottom pole entry	Obsolete	New technology – minor
T5 fluorescent 2 x 24W	Obsolete	New technology – minor
1x20W Fluorescent	Obsolete	New technology – minor
50W mercury vapour	Obsolete	New technology – minor
80W mercury vapour	Obsolete	New technology – minor

Luminaire (existing)	Category	Luminaire (new)
80W mercury vapour – decorative	Obsolete	New technology – minor
125W mercury vapour	Obsolete	New technology – major
250W mercury vapour	Obsolete	New technology – major
400W mercury vapour	Obsolete	New technology – major

## 8.2 Abolished tariffs

There are a number of public lighting tariffs that TasNetworks has abolished. 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 5.

**Table 5: Abolished fittings**

Luminaire (existing)	Category	Luminaire (new)
32W compact fluorescent	Abolished	New technology – minor
2x24W compact fluorescent	Abolished	New technology – minor
1x40W Fluorescent	Abolished	New technology – minor
2 x 20W fluorescent	Abolished	New technology – minor
2 x 24W fluorescent	Abolished	New technology – minor
20 fluorescent 1 x 20FL	Abolished	New technology – minor
2 x 40W fluorescent	Abolished	New technology – minor
3 x 40W fluorescent	Abolished	New technology – minor
4 x 20W fluorescent	Abolished	New technology – minor
4 x 40W fluorescent	Abolished	New technology – minor
60W incandescent	Abolished	New technology – minor
100W incandescent	Abolished	New technology – minor
30W LED	Abolished	New technology - minor
88 LED light	Abolished	New technology – minor
70W metal halide	Abolished	New technology – minor

## 9 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 Decision, TasNetworks distribution determination, 2019-20 to 2023-24, April 2019 (see <a href="https://www.aer.gov.au/networks-pipelines/determinations-access-arrangements/tasnetworks-determination-2019-24/final-decision">https://www.aer.gov.au/networks-pipelines/determinations-access-arrangements/tasnetworks-determination-2019-24/final-decision</a> ).
Distribution network	As defined in the <i>Electricity Supply Industry Act 1995</i> (Tas).
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).
Fitting	See Luminaire.
Lamp	The replaceable component within a luminaire that produces light.
Luminaire	A complete electric lighting unit.
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.
Road lighting authority	Municipal Councils or the Department of State Growth.
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.