

# ACT Government

## Engineering Advisory Note

EAN 20

### Provision of power supply from the streetlight network

#### Background

The main purpose of the streetlighting network is to provide public lighting to facilitate the safe movement of people and vehicles as detailed in *MIS 14 Public Lighting* standard.

Roads ACT is responsible for the maintenance of the streetlighting network and associated infrastructure such as control cubicles and streetlight columns.

The question is often asked, as to whether the streetlighting network is an option for the provision of electricity to other assets such as BBQ's, signage lighting, etc.

To ensure the safe operation of the streetlighting network, Roads ACT has prepared conditions under which the provision of power to other assets may be considered.

#### Advice

##### ***Estate developments***

Developers must provide provision for power supply from an electricity retailer to future and proposed amenities in open spaces designated as:

- community recreation parks;
- town parks;
- district playgrounds;
- skate parks; or
- other prominent locations where events may be held.

##### ***Other proposals***

Proposals for provision of power must be lodged either; via Development Coordination Branch as part of a Design Review submission, or via Infrastructure Delivery project manager, and must consist of:

- technical specifications of the proposed installation;
- schematic of the existing Evoenergy electrical and TCCS Streetlighting network; and
- drawings showing how the asset is going to be connected to the streetlighting network.

Upon receipt of a design referral for assessment, Roads ACT will audit the following:

- general compliance with *MIS 14* and *MITS 12* and other relevant standards, guidelines and requirements;
- the proposed additional load in Amps;
- the proposed load is clean and not fluctuating;
- the proponent can demonstrate that the streetlight network will be adequately protected in the event of power surge and failure of the proposed asset; and
- the proposal is supported by the future Asset Owner<sup>1</sup>

If a proposal is supported by Roads ACT, the developer will be requested to meet the following conditions:

- tag assets<sup>2</sup> with contact details of the Asset Owner for maintenance purposes;
- label the circuit appropriately with a description of which assets are being powered from the supply (e.g., shade sail structure lighting);
- Works as Executed documentation shall clearly show the assets, including any associated cables up to the network boundary which are to be maintained by the Asset Owner;
- evidence that the electricity consumption has been accounted for; and
- Certificate of Electrical Safety.

Where power supply is proposed to be drawn from the streetlight network any modifications shall be completed in accordance with *MIS 14* standard and *MITS 12* specification at the cost of the applicant.

Some of the typical modifications required are:

- upgrade of earthing and control panels in columns;
- replacement of luminaires and installation of 'smart' photo-electric cells;
- controller rework to allow for 24hr power supply and in some circumstances, controller separation from Evoenergy assets;
- network augmentation to allow interconnection of different circuits; and
- creation of open points in existing circuits

---

<sup>1</sup> Asset Owner is an entity who is responsible for ongoing maintenance of the asset, for example: City Presentation can be an Asset Owner of a picnic shelter block including associated lighting and cables up to the network boundary.

<sup>2</sup> Asset tags for non-streetlighting related assets, must not be tagged with the streetlight asset tags, but asset tags must be organised by the applicant, and show the following info:

- Name of the asset owner e.g., ArtsACT
- Access Canberra phone 13 22 81

## Administrative Arrangement

This Engineering Advisory Note will take effect from the latest date of endorsement by the Authorised person/s.

**Prepared by:**



Maggie Dunn  
Project Officer, Environment and Utilities,  
Roads ACT  
Transport Canberra City Services  
Date: 20/12/2022

**Endorsed by:**



Jennie Gilles  
Senior Director, Environment and Utilities,  
Roads ACT  
Transport Canberra City Services  
Date: 20/12/2022

**Authorised by:**



Tim Rampton  
Executive Branch Manager, Roads ACT  
Transport Canberra City Services  
Date: 20/12/2022

**Authorised by:**



Daniel Iglesias  
Executive Branch Manager, City Presentation  
Transport Canberra City Services  
Date: 22/12/2022