

 PUBLIC LIGHTING FAQs **1 Purpose of Public Street Lighting**

Street lighting is important for pedestrian, vehicle and general public safety. Street lighting improves road user safety at night by illuminating roads and footpaths at intersections, sharp curves, traffic islands and pedestrian crossing points. Street lighting makes it easier for people to drive or walk along streets at night. Please note: Street Lighting is not designed to identify private property locations or provide security lighting, in both metropolitan and rural areas. Lighting is designed to light our streets and pedestrian walkways only and provide a level of security to these areas.

 **2 Who owns and manages Council street lights?**

Most Street Lighting in South Australia is owned and operated by SA Power Networks (SAPN) as a service to Councils and the State Government. The City of Onkaparinga pays for street lighting to be maintained via public lighting and energy tariffs. The City of Onkaparinga is also the authorising body for approving any changes to current street lighting. These can come from SAPN recommendations, changes to the current street lighting standard or a change in lighting demand.

The changeover to LED lights is being undertaken by Enerven, a subsidiary business owned by SAPN. Enerven was formerly a division of SAPN known as CaMS. We now operate as a subsidiary under a new brand, Enerven, which is all about connected energy innovation. Enerven provides a range of services in the energy and telecommunications markets. These services include a number of public lighting construction services, particularly lighting upgrades, for SAPN, who is responsible for supplying electricity to homes and businesses throughout South Australia.

3 How do we report faults and enquires?

To report a street light not working or operating correctly during day light hours, you can visit the SAPN [site here](#) and report the street light out.

For enquiries, in the first instance you can contact SAPN on **13 12 61** who will investigate resident requests and provide a recommendation to the Onkaparinga Council for their approval.

4 Why is the City of Onkaparinga replacing Street Lights?

Street Lighting is necessary but very expensive to run and they account for approximately 30 per cent of Onkaparinga Council's greenhouse gas emissions. The transition to LED street lighting technology will significantly reduce the council's energy consumption and maintenance costs per annum and provide an overall improvement to our street lighting network. The expected savings to council, is approximately \$600,000 per annum once fully installed.

5 Which street lights are being replaced?

Enerven will be replacing approximately 12,000 street lights in the initial stages. 14W LED's will replace the majority of the current pedestrian category lights, which are predominantly 80W Mercury Vapour lights.

There are larger lights classified as 'Vehicular road lights' that are used on major roads and intersections, however, energy efficient alternatives are not yet feasible for replacement of these lights.

6 When does the project take place?

Enerven crews will be changing lights from November 2017 across the City of Onkaparinga. If you would like to find out which suburbs Enerven are currently working in, and which suburbs are upcoming, please [click here](#) for a project update.

7 Can residents request additional street lights?

Yes you can, however Enerven will assess requirements for additional street lighting as requested. Requests for additional lighting will be assessed against the requirements within Australian Public Lighting Standards. New installations are prioritised on user volumes and subject to council's funding availability. Surrounding residents affected by the new light will need to be consulted to identify if additional lighting is also desired.

8 How does new LED lighting compare to the old technology lighting?

The new lights have improved optics, meaning they will be brighter compared to the old lights and are also more efficient in spreading light more evenly along and across footpaths and roads. Colour rendering and visibility along the street will be improved and look more natural.

9 Shading/Shielding of Street Lights

In most cases where people are impacted by a street light adjacent to their house, the issue is the glare of the light not the light spilling into their property or through windows. The installation of LED street lights is proven to reduce glare and therefore the lighting upgrade may in fact assist residents.

Where a resident can demonstrate that they are being significantly impacted on by light spill into their property from an adjacent street light, the installation of a shield on the light may be considered. In most cases the installation of shields or blanking out glass lenses will reduce lighting levels below the relevant Australian Standards for lighting for roads and public spaces (AS/NZS 1158), thus not making it a viable option.

If an option can be provided to shield the light, the resident may be required to bear the cost of retrofitting a shield. This will be up to the discretion of the Onkaparinga Council.

Enerven's technicians will assess a request for a shield which considers:

- Measured light levels (recorded level of under 1 LUX on the wall of the house is not considered obtrusive and therefore screening will not be recommended or offered)
- Light type or wattage
- Likely impacts on road and path lighting based on the available shield type
- Proximity of light to potential roadway conflict points for example intersections or traffic Islands.
- Shielding in residential areas constructed in the past 20 years is often not appropriate as street lighting has been specifically designed to meet the required standards at that time.
- There are no options for shielding post top or decorative lights.

For further information,
visit our website
www.enerven.com.au