



PUBLIC LIGHTING FAQs



Why replace street lights across City of Charles Sturt?

Street Lighting is necessary but very expensive to run and they account for approximately 30 per cent of our 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 annualised savings to Council, is approximately \$684,000 per annum once fully installed. There will also be an anticipated annual reduction of 1,600 tonnes of greenhouse emissions (tCO₂-e) once fully implemented.

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

The new lights being installed will be 82% more energy efficient than existing mercury vapour lamps, require less maintenance and generate a warm to white light (around 4000 Kelvin). The white light generated from LEDs will vary from some existing street lights which can appear yellow (high pressure sodium) and amber (low pressure sodium). Another advantage of LED lights being installed will be less back spill into properties due to improved optics. Although street lights may appear to be brighter (as they are newly installed lights) they will be more efficient in spreading light more evenly along and across footpaths and roads. Visibility along the street will also be improved and look more natural.

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. 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. Street lighting is designed to light our streets and pedestrian walkways only and provide a level of security to these areas.

Who is completing the changeover to LED street lights?

The changeover to LED street lights is being undertaken by Enerven, a subsidiary company owned by SA Power Networks, who have been engaged by City of Charles Sturt.

Who owns and manages street lighting?

Most street lighting in South Australia is owned and operated by SA Power Networks as a service to Councils and the State Government who both have responsibility for the provision of street lighting. The City of Charles Sturt pays for the electricity used by public street lights (payment made to an energy retailer separately) and the operation and maintenance of street light infrastructure (payment made to SA Power Networks via lighting tariffs).

Which street lights are being replaced?

Enerven will be progressively replacing older lights (predominantly 80Watt Mercury Vapour lights) on residential streets with 14Watt LED's across identified zones (refer Figure 1 below). There are larger lights classified as 'Vehicular (V) road lights' that are used on major roads, intersections and at traffic control devices



(such as roundabouts and speed humps), however, energy efficient alternatives are not yet feasible for replacement of these lights. A small number of previously faulty lights have already been replaced with new LED lights across the city by Enerven and SA Power Networks.

What lights will not be changed?

This project will only focus on the changeover of street lights in local, council owned streets. Main road, decorative and public reserve/sporting lights will not be changed as part of the initial project however these and other types of street lights will be progressively changed to LED technology over time.

When does the project take place?

Enerven crews will be changing lights from September 2020 in the areas identified on the city map. If you would like to find out which suburbs are upcoming, please visit www.charlessturt.sa.gov.au/publiclighting

Can residents request additional street lights?

If you are concerned about a street light that may be below standard or require additional street lights please contact Council on 8408 1111 or council@charlessturt.sa.gov.au

How do we report faults and enquiries?

To report a street light not working or operating during day light hours, you can visit the SAPN site and report the fault. In the first instance you can contact SAPN, on 13 12 61, who will investigate resident requests.

What do I do if I have concerns about the new LED street lights?

Contact City of Charles Sturt Customer Service Centre, who will take down your details and forward to SA Power Networks/Enerven if the enquiry can't be immediately resolved. Residents should remember that the new LED street lights being installed will result in less glare and back spill into properties due to improved optics. Where a resident can demonstrate that they are being significantly impacted by light spill into their property from an adjacent street light, a solution will be investigated. In most cases the installation of a shield/visor device will only be considered where it does not reduce lighting levels below the relevant Australian Standards for the lighting for roads and public spaces (AS/NZS 1158). Where a shield/visor is assessed to be required, Council will give approval for Enerven to install one.