

CONNECTED

LIGHT SOLUTIONS

A DIVISION OF BEACON LIGHTING

Attention Jessica Curtis, Senior Advisor

28/4/2023

Australian Energy Market Commission

Level 15, 60 Castlereagh Street,

Sydney,

NSW, 2000

Re: ERC0346

Connected Light Solutions is owned 100% by the Beacon Lighting Group, and was previously GE Lighting Australia. We supply LED streetlights to the distribution network providers and councils. We also represent several suppliers of lighting control systems including ST Engineering Telematics Wireless ([ST Engineering Telematics Wireless – Smart City Solutions \(tlmw.com\)](https://www.st-engineering.com)) who are one of the top 3 global providers of this technology.

The use of streetlighting controls in Australia is lagging dramatically behind many European and American countries, which is unfortunate because these lighting control systems offer many benefits including; Safety, Environmental and natural habitat, Energy Saving and foundation for Smart City technology.

Most public streetlights are not metered, but the energy consumption and hence charging to Councils is via the AEMO load table, which does not have the flexibility to capture the actual electricity being consumed when lights are dimmed or trimmed during the night. Hence, councils can't benefit from the economic benefits of lighting controls.

Most lighting control systems have the ability to report on real time energy consumption, including some with overseas utility approved metering, but can't be used in Australia due to current AEMO process and some regulations on meters, most noticeably requirement for a display which is irrelevant when mounted many metres in the air.

Connected Lighting Solutions strongly endorses the detailed submission made by SLSC/IPWEA.

Connected Light Solutions is also a member of the Lighting Council of Australia who also submitted supporting the AEMO proposal.

Ian Killick

General Manager