

Councillor Davis - QoN - Lighting in City of Adelaide

Tuesday, 9 July 2024
Council

Council Member
Councillor Henry Davis

Public

Contact Officer:
Tom McCready, Director City Services

QUESTION ON NOTICE

Councillor Henry Davis will ask the following Question on Notice:

Can Administration provide the following information

- 1) What percentage of the city's lights are LED?
- 2) What is the cost to convert all lights to LED?
- 3) What is energy cost of our lighting in the city?
- 4) What would be the energy cost our lighting if all our lights were LED?

The Lord Mayor will provide a reply at the meeting, the reply and question will be included in the Minutes of the meeting.

REPLY

1. The City of Adelaide (CoA) owns approximately 70% of all the public lighting luminaires in the city, with South Australian Power Networks responsible for the remaining 30% under tariff arrangements.
2. CoA is responsible for approximately 8,700 public lighting luminaires. Approximately 3,200 (or 37%) of these luminaires utilise LED technology.
3. The estimated cost to convert the remaining 5,500 discharge lamps to LED technology would be approximately \$2,500 / luminaire or \$13.75m (based on 5,500 assets).
4. Within Council's Public Lighting and Electrical Asset Management Plan, we are planning to fully convert CoA's public lighting network to LED technology by 2035, with a forecast average annual investment of \$1.375 million each year across the 10-year planning period.
5. The current annual energy costs associated with COA owned public lighting is approximately \$1.16 million.
6. Once the CoA's public lighting network is fully converted to LED technology, under the Flow Power contract / agreement the estimated energy annual energy costs would reduce to approximately \$0.77 million.
7. CoA has a nine-year contract with Flow Power, expiring on 31 December 2028, for the supply of 100% renewable electricity for our operations (including Public Lighting). This contract has been in effect for four years and to date has led to significant savings in energy costs.
8. In the three years since the Power Purchase Agreement (PPA) was implemented, the contract has saved \$0.7 million in energy price compared to the previous energy contract, and \$0.8 million by mitigating wholesale market price volatility.

Staff time in receiving and preparing this reply	To prepare this reply in response to the question on notice took approximately 5 hours.
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