

Free First Hour EV Charging

08/03/2022

Council

Council Member
Councillor Snape

Public

Contact Officer:
Ilia Houridis, Director City
Shaping

MOTION ON NOTICE

Councillor Snape will move a motion and seek a seconder for the matter shown below to facilitate consideration by the Council:

'That the City of Adelaide provides ongoing free charging for the first hour at all of its Electric Vehicle (EV) charging stations.'

ADMINISTRATION COMMENT

1. City of Adelaide provides a network of 42 electric vehicle chargers, the majority are "fast chargers" (22kW capacity, AC), with two "super-fast chargers" (50kW capacity, DC) at the Franklin Street hub.
 - 1.1. The 2021-2022 charge for the electricity provided is:
 - \$0.25 / kWh at the fast chargers, and
 - \$0.35c / kWh at the super-fast chargers.
 - There is a minimum charge of \$1 after 5 minutes.
 - 1.2. Parking costs (in addition to the charging costs) are relevant to the location.
2. From the network installation date of 1 September 2017 to 30 June 2021, charging costs were:
 - 2.1. AC fast chargers (22kW):
 - First hour free
 - After 1 hour \$0.20/kWh between 6am and 6pm or \$0.10/kWh all other times including weekends.
 - Minimum EV Charging Service fee of \$1 after 1 hour.
 - 2.2. DC super-fast chargers (50kW):
 - \$0.30 / kWh at all times.
3. Usage data on charging network shows:
 - 3.1. The cumulative total amount of electricity delivered across the network has roughly doubled each financial year between 2018-2019 and 2020-2021, and the growth trend is continuing into 2021-2022, in line with national increases in EV sales.
 - 3.2. In December 2021:
 - the average charge amount was 10.24 kWh per session
 - the average charging session cost \$2.68
 - the average charge time was 2 hours 15 minutes
 - session times ranged from 15 minutes to 6 hours or more.

4. The 'first hour free' period was provided to help introduce the electric charging network to customers and encourage the early adoption of electric vehicles in the City of Adelaide.
5. The adjustment to fees in 2021-2022 was to allow for a level of cost recovery and to simplify the fee structure. Revenue does not currently cover the operating costs of the EV charges.
6. The pricing is set to be less than residential peak electricity costs to encourage charging at lower cost in the City during peak electricity generation times.
7. If this motion is carried, charging rates would be altered in line with the annual review of fees and charges.
8. Total revenue foregone from the network in 2021-2022 is anticipated to be at least \$10,000. Based on a doubling of the total amount of electricity delivered across the network each financial year, revenue foregone in 2022-2023 is forecast to be double that in 2021-2022.

Should the motion be carried, the following implications of this motion should be considered. Note any costs provided are estimates only – no quotes or prices have been obtained:	
Public consultation	Not applicable
External consultant advice	Not applicable
Legal advice / litigation (eg contract breach)	Not applicable
Impacts on existing projects	Not applicable
Budget reallocation	Not applicable
Capital investment	Not applicable
Staff time in preparing the workshop / report requested in the motion	Not applicable
Other	Not applicable
Staff time in receiving and preparing this administration comment	To prepare this administration comment in response to the motion on notice took approximately 5.5 hours.