

07 June 2022

Mr Martin Cuthbert
Shire of Jerramungup
8 Vasey Street
Jerramungup WA 6337

Dear Mr Cuthbert,

ELECTRIC VEHICLE FAST-CHARGING INFRASTRUCTURE PROJECT IN THE SHIRE OF JERRAMUNGUP

In 2021, the WA State Government identified local government areas (LGA) as suitable locations for the installation of EV fast charging stations. The intent of this State initiative is to establish a “spine” of electric vehicle fast charging infrastructure facilitating travel from Perth to Kununurra, along the southwest coast to Eucla and east to Kalgoorlie.

The factors that were considered when identifying suitable locations included situating chargers to stimulate regional business activity and facilitating efficient travel, while encouraging consumers to take advantage of local amenities and attractions.

Synergy has been working closely with many other LGAs involved in the EV Highway initiative with 81% of those already onboard with project agreements in place.

As part of this initiative, Jerramungup has been identified as a suitable location for the installation of DC and AC charging stations.

Due to the substantial costs involved with Western Power network augmentation works and the construction and installation costs of the chargers themselves, there is budget limitations for the proposed installations.

Therefore, Synergy is requesting the Shire of Jerramungup’s support for the charging facility. This is in the form of 2 major items, first, a peppercorn lease as part of the Licence Agreement for the charging stations and parking bay area, and second, the development of the selected site to facilitate the usability of the installation.

As a future proof exercise Synergy has proposed a drive through arrangement for the installation on the provision that the Shire complete this development. Synergy is happy to adjust this proposal but as a minimum requires 4 sealed bays for the chargers installation.

Benefits of installing EV Charging Stations in Jerramungup

As part of this initiative, Synergy will be installing a 315kVA transformer to power two Electric Vehicle charging stations that will come with 118kVA extra capacity that could be used for future developments.

The installation of Electric Vehicle charging stations will bring several benefits to the Shire of Jerramungup as we see EV car sales increasing. These benefits are outlined in Appendix 1 and can be used as discussion points in conversations with stakeholders.



Next Steps

In accordance with the above, Synergy is looking forward to meeting the Shire members to discuss the development in more detail. If the Shire of Jerramungup is ultimately not supportive of this initiative, then Synergy will investigate an alternate location.

If you require any further information, please do not hesitate to contact us.

We thank you for your ongoing consultation and feedback.

Yours sincerely



Guy McHugh
PROJECT MANAGER



Rhonda Leyland
PRODUCT OWNER

Appendix 1: Benefits of the electric vehicle (EV) fast-charging infrastructure project

Shire of Jerramungup's role in WA's climate action

Installing EV Charging stations in your town will show your contribution and commitment to WA's climate action.

The Shire of Jerramungup will play a role in creating the "spine" of electric vehicle fast charging infrastructure in WA which will encourage buyers to invest in an electric vehicle.

Increase regional travel and regional tourism

The EV Highway will open travel for EV owners to Esperance, where Jerramungup will be an ideal location for EV owners to stop and recharge.

Providing EV charging stations can enable rural communities to draw regional travellers driving EVs and to stay connected to the broader EV charging network, benefiting residents and outside visitors alike, as well as bringing in revenue for local businesses.

EV drivers will combine their stops with other activities, including visits to local stores, restaurants, parks, and attractions in the vicinity.

Reduce emissions

There is a focus from the WA Government to accelerate the use of zero emission vehicles in the 2022-23 State Budget.

Electric vehicles produce zero carbon emissions, zero nitrous oxides, and compared to fossil fuel vehicles half the volume of Volatile Organic Compounds (VOCs), which are known to act as greenhouse gases.

Without the intervention of the State Government to install fast chargers in the chosen locations, the transition from fossil fuel to EVs will be delayed, directly impacting outcomes for emissions, climate policy, health, and environment. Climate action and the electrification that supports it are becoming topics of increasing importance to the public.

This will also assist local emissions reduction targets.

Promote EV uptake in WA

WA Government has recently announced it will be providing \$3,500 rebates for Western Australians that purchase an electric or hydrogen fuel cell vehicle as an incentive to get more EVs on the road.

The EV charging stations we are proposing to install will be 'universal' allowing most makes and models of EVs to utilise these.

Sales in Australia tripled from the previous year resulting in 20,665 electric vehicles sold, up from 6,900 in 2020.

WA saw a sharp increase in Tesla EVs with 405 ending up on the road in the first 3 months of 2022(129% growth).

One obstacle to the significant uptake of electric vehicles is the availability of charging stations. In Australia, over 50% of motorists said that access to electric vehicle charging stations is a key barrier to EV adoption.