



# **WA's Electric Vehicle Fast Charging Network**

**Dion Paunich**

General Manager, Generation





# Western Australia will soon be home to the longest EV charging network in Australia.

- \$20 million infrastructure investment delivered by **Synergy** and **Horizon Power**.
- Electric vehicle charging stations at 45 locations - **north to Kununurra, south to Esperance and east to Kalgoorlie.**
- Locations approximately **200km or less apart** to reduce range anxiety and support regional travel.
- **Connecting** Perth and regional Western Australia.

## Western Australia Electric Vehicle Charger Map

Intended charging station locations for the State Government's EV charging network.





# Synergy and Horizon Power are collaborating to deliver a seamless customer experience.

- Consistent **branding** across the State identifying the EV charging infrastructure as a State initiative.
- Joint EV charging **hardware tender** was closed at the end of February 2022. Appointed supplier to be announced in April 2022.

Synergy and Horizon Power are working directly with LGAs located in their regions to determine site location and design.





# Leading Western Australians to their intelligent energy future



**Supply 66%**  
of the electricity to  
homes and business



**6,000 GWh**  
of electricity  
generation



**870+**  
employees



**More than 1 million**  
Residential and business  
customers

## Legend

- South West Interconnected System (SWIS)
- Thermal power station
- Wind farm
- Gas turbine
- Battery
- BEI renewable assets  
Albany Wind Farm, Warradarge Wind Farm  
and Greenough River Solar Farm

\*Battery under construction





## About the charging stations

- Minimum of **two chargers** at each site to provide redundancy and support growing demand for EV charging.
- At least **one unit will be a DC fast charger.**
- DC chargers will be equipped with two charging cables and the **ability to charge two cars at once.**
- **Dedicated parking bays for EV charging.**



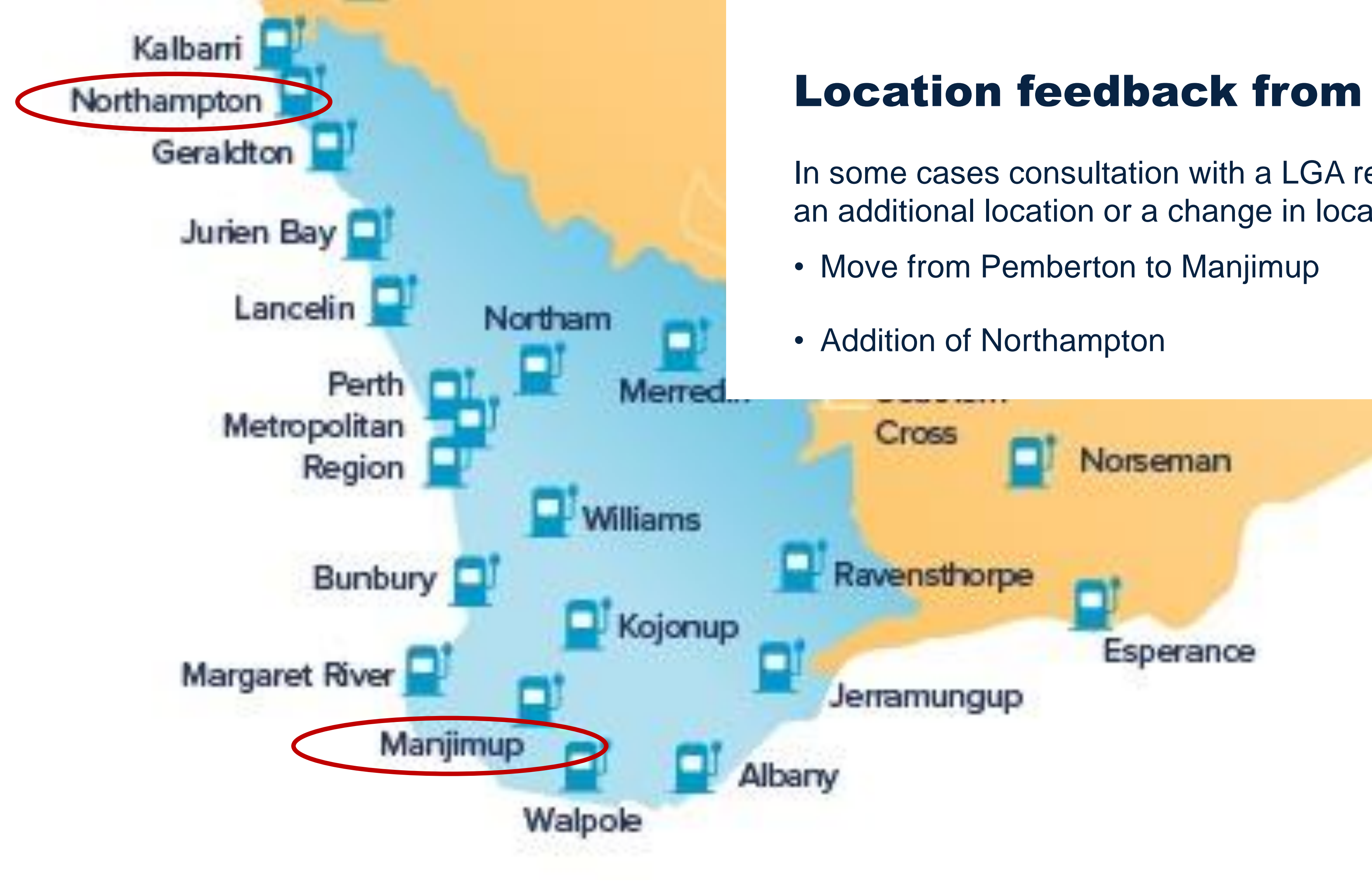
# **The journey to installing a fast charger on the EV Highway in the SWIS.**

1. Choose a suitable site
2. Submit a network application to Western Power.
3. Does a Development Application need to be submitted to the Council?
4. Western Power site network augmentation design.
5. Site preparation for network augmentation.
6. Network augmentation by Western Power.
7. EV charger installation by contracted installer.

Horizon Power has a similar process but completes their own network system studies and design, and network augmentation.







Kalbarri  
Northampton  
Geraldton  
Jurien Bay  
Lancelin  
Northam  
Perth  
Metropolitan  
Region  
Merredun  
Williams  
Bunbury  
Kojonup  
Margaret River  
Manjimup  
Walpole  
Albany  
Jerramungup  
Ravensthorpe  
Cross  
Norseman  
Esperance

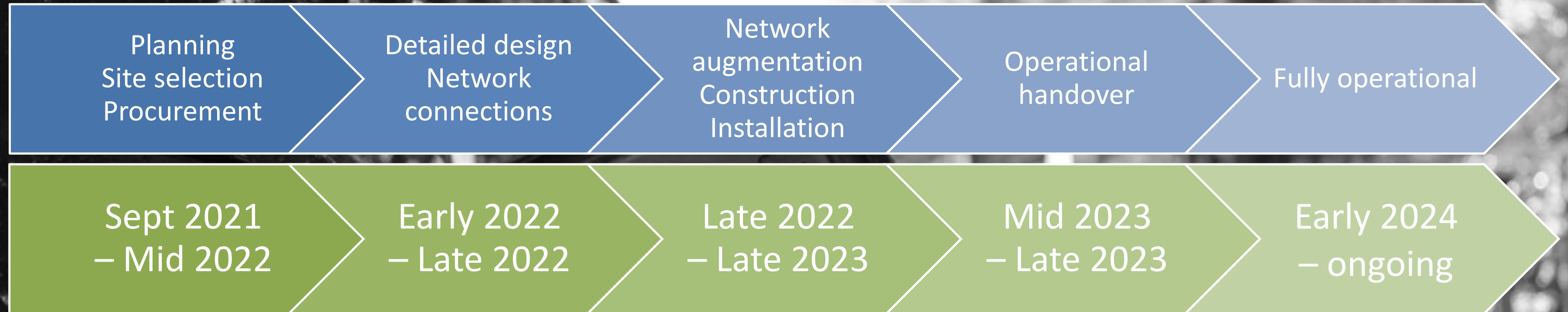
## Location feedback from LGAs

In some cases consultation with a LGA resulted in an additional location or a change in location.

- Move from Pemberton to Manjimup
- Addition of Northampton



# Where to from here?







**Thank you**

Dion Paunich  
General Manager, Generation

