



Preparing for an exciting electrified future

If you've ridden in or driven an electric vehicle (EV), you'll understand that the benefits go far beyond the quietness and powerful acceleration. As EVs need to be charged, Ergon Energy Network and Energex are preparing to support the transition to EVs in order to deliver positive, future-focused outcomes for all our customers and our other stakeholders. It's part of our support for the Queensland Government's *The Future is Electric: Queensland's Electric Vehicle Strategy*.

If EV charging is managed appropriately, and EV owners are educated and incentivised to charge at times outside of peak electricity demand periods, everybody wins. However, if EVs are usually charged during peak demand periods, charging may be more costly for owners and electricity demand may increase to levels that require local network upgrades. Those upgrade costs will ultimately be reflected in increased electricity prices for everyone.

To prepare for the EV transition, we've developed our Network Electric Vehicles Tactical Plan. By investigating and deeply understanding charging related issues, and collaborating with a broad range of stakeholders who share common EV goals, we can create charging arrangements that:

- Balance affordability, convenience, environmental and other priorities for EV owners
- Enhance network utilisation and performance
- Minimise the potential for EV-driven network upgrades
- Reduce greenhouse gas emissions per kilometre of road travel
- Support the growing EV industry in Queensland and beyond, and
- Reduce Queensland's and Australia's reliance on imported petrol and diesel products.

If you'd like more information about our Network EV Tactical Plan, please register to access the Summary or contact ev@energyq.com.au

Our ten EV-related tactics are:

1. Advise EV salespeople, EV charger installers and customers about beneficial charging options.
2. Enhance the network connection process for both private and public EV charging stations.
3. Scope energy management opportunities presented by EVs.
4. Enable Vehicle-to-Grid (including Vehicle-to-Building) EV connections.
5. Implement mechanisms to identify private EV charger locations.
6. Develop an EV data repository.
7. Further research EV charging behaviours, network impacts and EV owner experiences.
8. Deploy an EV stakeholder engagement framework.
9. Establish network monitoring in areas of high EV penetration.
10. Quantify the benefits to the network business of the customer adoption of EVs.