

CLIMATE ASSEMBLY SESSION:

The Carbon Neutral Strategy

JERSEY ELECTRICITY SUBMISSION PAPER:

Our Vision

- **Time is running out to find a lasting solution to the catastrophic consequences we face from climate change.** Experts predict it threatens to be far more disruptive than anything the world has witnessed with the COVID-19 pandemic. The pandemic has, however, shown us what impact our behaviours have on the planet. Our response to COVID also shows what is possible when we work together in the face of a crisis.
- **Jersey Electricity, therefore, fully supports the ambitious carbon neutrality position the Government of Jersey has taken.** Our own Vision is to 'inspire a zero-carbon future' and we recognise the key role we have in supporting the Government's objectives.
- **There is no question the proposed time scale of 2030 is challenging.** Achieving it will require clear and bold Government policy, support from business and a real commitment from the community to move from fossil fuels towards higher energy efficiency and cleaner, low-carbon electricity. But we believe it can be done.



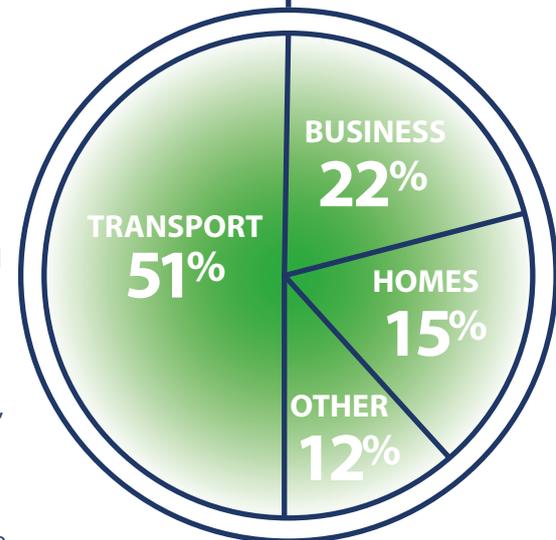
We have made a great start

- **Jersey is fortunate to already have a well-invested low-carbon electricity system that is entirely compatible with local renewables and substantially 'future proofed'.** Leveraging this grid 'platform', our smart meter infrastructure, our wide-ranging energy solutions and our existing renewables' position means Jersey could transition to a zero-carbon future faster and more cost-effectively than many other countries.
- **We see technologies such as demand-side management and smart home controls,** vehicle-to-grid discharging (V2G), renewable distributed generation and energy storage – all of which we're currently trialling – becoming mainstream.
- **We have invested over £200million** over the last 10 years to provide Jersey with the reliable, affordable, low-carbon electricity system it enjoys today and we stand ready to invest further to meet the increase in electricity demand that would result from displacing fossil fuels. We know how much it will cost to do this and what's more, we believe we can invest in further infrastructure without that investment itself causing a significant increase in electricity prices.

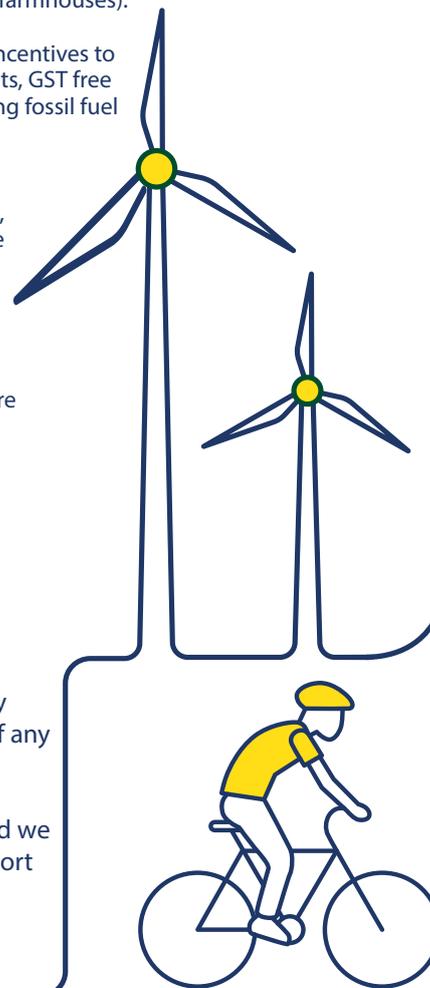


Areas for action and stimulus

- **Half of the Island's carbon emissions come from transport (51%), followed by carbon emissions from business (22%) and residential homes (15%).** Since electricity is already virtually decarbonised, the only way Jersey will reduce its overall carbon emissions further is to get out of fossil fuels harder and faster in these areas
- In line with our Vision to inspire a zero-carbon future, we have considered economic stimulus options that will both protect the environment AND help Jersey on the journey to carbon neutrality. They include:
 - Attaching 'green conditions' to any post-COVID financial support packages to ensure that financially supported recipients have clear decarbonisation strategies, plans and commitments that show how they will decarbonise their activities.
 - Providing for wider permitted development (e.g. for electric vehicle chargers), planning guidance (e.g. for substation locations) and future homes guidance (both retrofit market support and new build, including carbon neutral and passive homes standards).
 - Encouraging the incorporation of new technology and efficient materials in the design and build of projects and mandating that all new buildings must reach net-zero energy standard by 2030.
 - Establishing a working group comprising technologists, planners and heritage groups to identify and recommend acceptable and practical technical solutions that also preserve heritage characteristics of older buildings (e.g. farmhouses).
 - Given that there are around 25,000 oil boilers in Jersey, creating incentives to encourage switching to low-carbon electricity in the form of grants, GST free schemes and boiler scrappage arrangements. Considering banning fossil fuel boilers in all new homes (as the UK is doing).
 - Investing to encourage low carbon transportation for example, building on the COVID-19 cycling boom by increasing cycle lanes, including priority cycling for certain green lanes (e.g. 'purple cycle roads'). Introducing electric public transport and offer vehicle scrappage schemes, tax incentives/disincentives, for private car owners.
 - Helping to accelerate Jersey Electricity's work to introduce more roof and ground-mounted solar PV on to the grid, especially where these can be delivered at low cost.
 - Easing consents for more tree planting as Jersey Electricity is already undertaking in Mourier Valley and among the parishes.
 - Investing in training and apprenticeships to reskill labour in energy efficiency, heat pump installations, boiler replacements, renewables, solar and passive construction techniques and materials.
- **With our experience, market knowledge and resources,** Jersey Electricity would be happy to share our expertise and be part of any process to develop ideas and help produce practical plans.
- **We are ready to invest in Jersey's decarbonisation journey** and we have set our own Vision to 'inspire a zero-carbon future' to support the Island on this vital journey.



Jersey's leading emissions sources by sector.



 Jersey Electricity

Department of Customer Experience and Communications