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Electrifying everything under the Sun

1. Outline the main sources of electricity generation in Australia today and explain two key barriers that are slowing the integration of renewable energy into the national energy grid.

2. Australia has the highest per-capita solar PV installations in the world and abundant land for renewable energy infrastructure.

Discuss how these factors give Australia an advantage in electrifying its energy sector.

Then, propose one strategic pathway the country could pursue to become a global renewable energy leader, and how architects and the construction industry could contribute to this transition

3. What is one of the primary conditions that must be met for “electrifying everything” to be a sustainable strategy?

- A. Continued reliance on coal as a backup energy source
- B. Widespread adoption of diesel generators for remote power
- C. Ensuring the electricity is generated from clean, renewable sources
- D. Installing solar panels only on government buildings

At the end of this panel, attendees will be able to:

- Outline the current sources of electricity generation in Australia
- Identify the factors that are preventing the incorporation of more renewable energy into the Australian energy grid
- Identify the advantages that Australia has over other countries in terms of electrifying its energy sector
- Identify possible pathways the nation could follow to become a renewable energy superpower

