



CountrywideHydrogen

Hydrogen, the emission-free bus option

Bus Association of Victoria: Zero Emission Summit

27 July 2024

Geoffrey Drucker – Managing Director

Who we are

Countrywide Hydrogen is creating a hydrogen ecosystem in **Tasmania**, to mirror on the mainland with SA & VIC next, for tangible emissions reduction



What is HYDROGEN?

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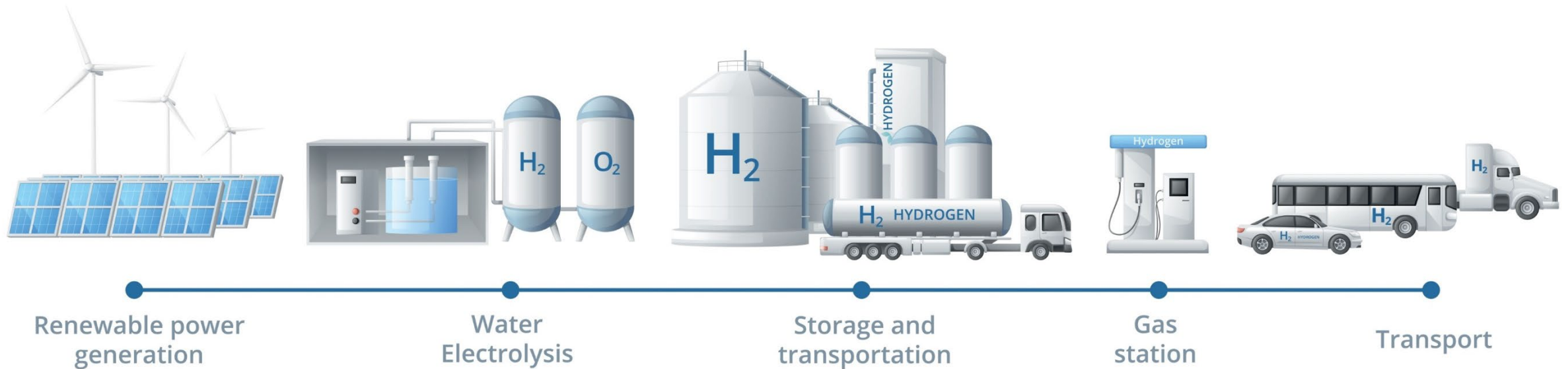


The colours of Hydrogen

How it's produced

- BROWN – from coal or oil with emissions vented into the air
- GREY – from natural gas with emissions vented
- BLUE – from natural gas, with emissions captured – carbon capture and storage
- GREEN – produced by **electrolysis** that is powered by electricity generated by renewables (solar, wind, hydro)

Hydrogen fuel production and use



Delivery by tube trailer

Emerge • Renew • Transform



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Dispensing Hydrogen

Emerge • Renew • Transform



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Hydrogen power options

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ICE



Fuel cell

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Hydrogen vs Battery

Both zero emission and viable

Hydrogen for:

- Long distance
- Fast refuelling
- Long on-road operation times



SA Hydrogen bus trial

Emerge • Renew • Transform



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Thank you

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