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Future Highways & Transport Systems Alistair Hunter, Arup, Director

CILT, 19th September 2018

Demand drivers & Critical Uncertainties

Societal change

Technological uptake

Economic sustainability

Environment and wellbeing

Politics





Societal change



Economic sustainability



Economic sustainability

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Predicted economic growth



Economic sustainability



Trade & Borders

Environment & wellbeing

Emissions and Climate Change



More than

two thirds

of transport-related greenhouse gas emissions are from road transport

Environment & wellbeing

Climate Resilience

Expected days of extreme heat events in every 1000 days



Technological development



Technological development



Bloomberg New Energy Finance (April, 2017) When Will Electric Vehicles be Cheaper than Conventional Vehicles? Estimated \$US pre-tax retail sales price for battery-electric vs internal combustion vehicles (similar mid-sized family vehicle) Political

