# Transport2030: Communicating Transport Investment Impacts

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| In the Auckland region, over 2 million tonnes of carbon-dioxide equivalent are emitted from transport each year. There are an overwhelming number of changes which could be made to the transport system in order to reduce these emissions. In order to make informed decisions, we need to know what the future looks like for transport emissions under different scenarios. MRCagney has developed a model which estimates regional greenhouse gas emissions from transport in 2030 under different scenarios. These scenarios can include different infrastructure projects, other policy initiatives, and behavioural changes. This was developed as a public website application at <https://transport2030.org/>. The intention with this model and website was to communicate the impacts and trade-offs of different scenarios which has generated public and media interest.  While we might know the effect of many individual changes, with this model we can understand how the changes combine, and what the future looks like. This is important for decision makers, as it informs them of the scale of transformation required for decarbonisation of the transport system. It also helps to identify areas which may not be worth pursuing in the name of decarbonisation; the model shows the minute impact of some significant infrastructure changes.  This presentation will talk demonstrate the model/website in action and discuss some of the unexpected results. For example , public transport is one which is not as effective as we might have expected. Significant public transport projects such as the City Rail Link on its own had only a small impact on the total emissions from the region compared to some other approaches, such as wide-spread investment in cycling infrastructure, or improved car emissions standards. Understanding the relative impacts of different options allows for more informed decision-making, allowing us to set a strategy and move towards a low-emissions future. |