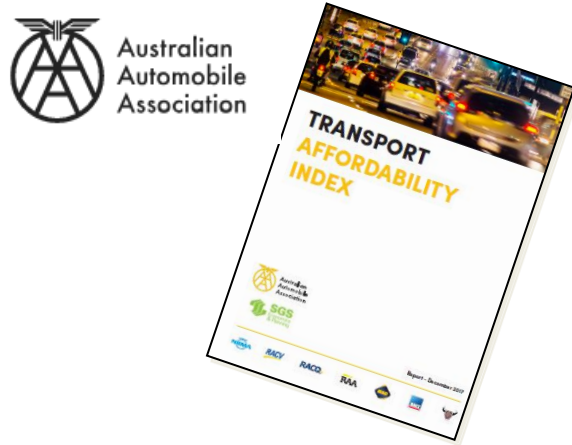




A NZ Household Transport Costs Index

Peter King

Inspiration



Typical Output

The average annual cost of transport increased by \$121 over the quarter for the city household. Brisbane and Adelaide recorded the largest increase, with the households incurring an additional \$245 and \$220 per year in transport costs.

The average annual cost of transport increased by \$125 for the regional household. The largest increase occurred in Mount Gambier, where transport costs increased by a difference of \$324 per year. Townsville also recorded a large increase, approximately \$173 per year. The increase in costs were largely due to the cost of fuel this quarter.

AAA & SGS Economics and Planning Transport Affordability Index

Not an index but a comparison of averaged costs (excluding depreciation and parking) between states.

But not suitable for New Zealand

- Model family not comparable
- Vehicle types and trips differ
- Fuel pricing completely different

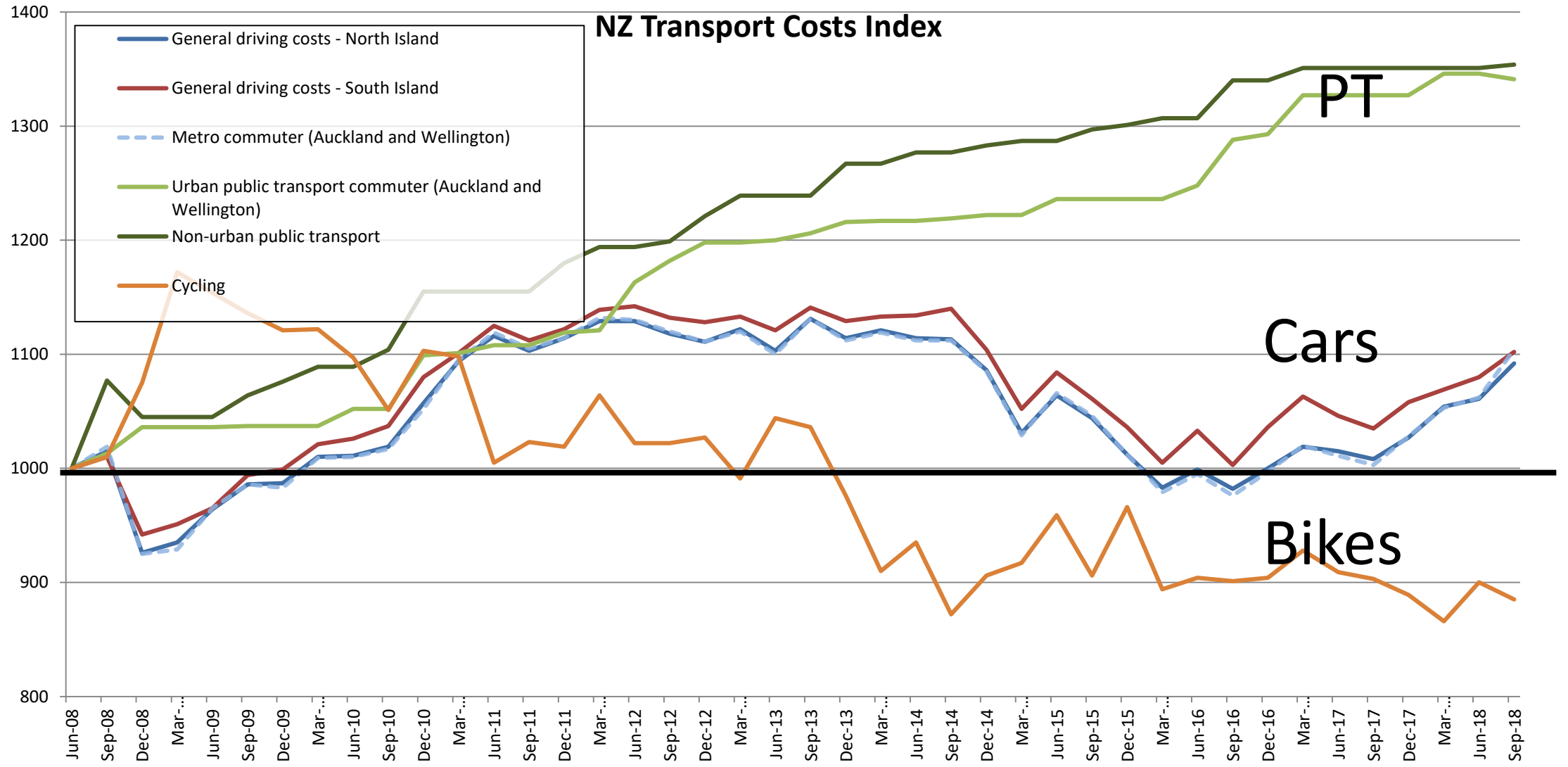
Proposal

- Index of costs (not actual dollar costs)
- Uses quarterly Consumer Price Index price data
- Costs to households weighted by consumption patterns in Household Economic Survey data
- Covers motor vehicle by urban commuters in Auckland and Wellington, and drivers in the North Island and South Islands.
- Covers Cycling (everywhere), public transport in Auckland and Wellington, and PT elsewhere.

Small Print

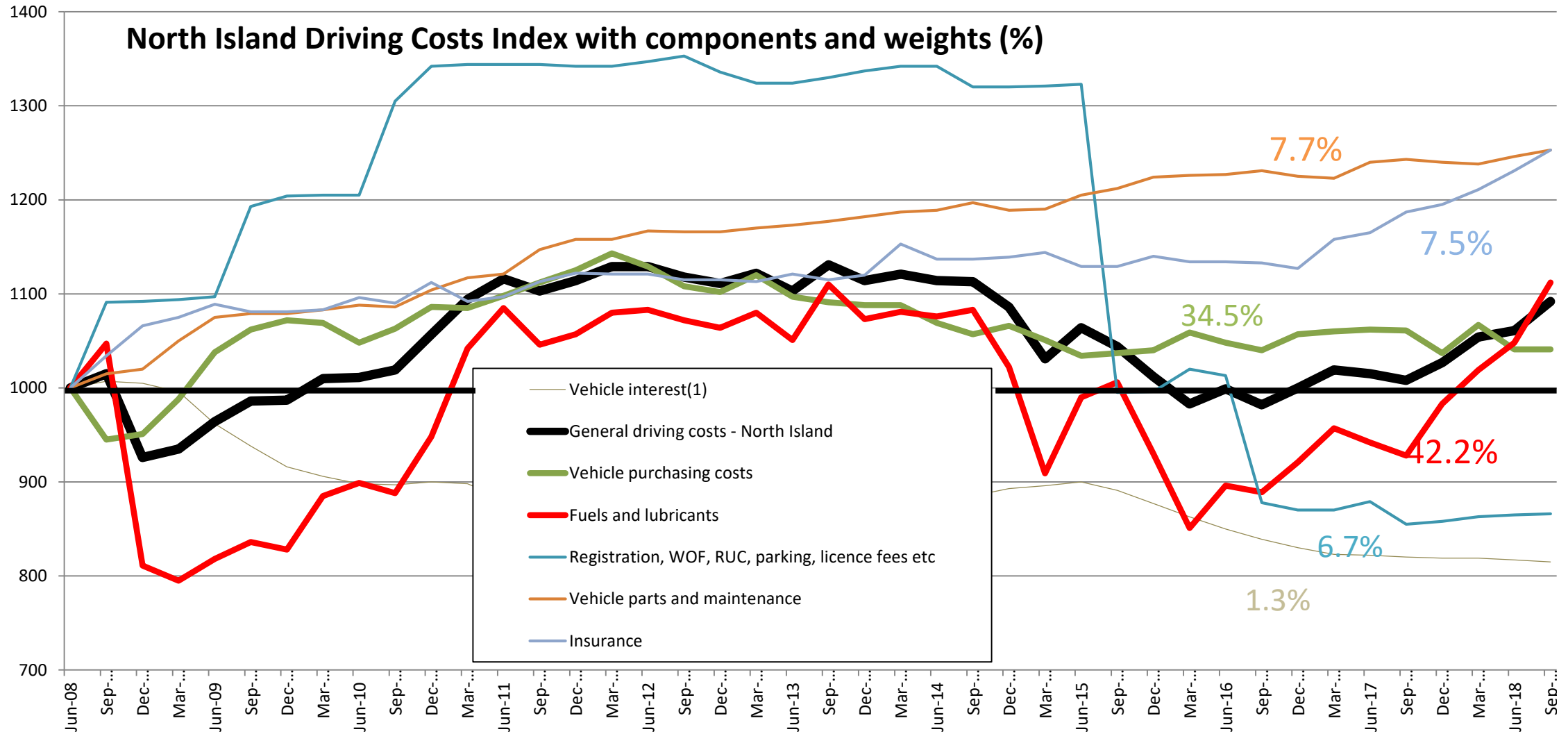
- Tolls and parking barely register in HES
- No depreciation
- Used vehicle costs deemed net cost of purchase after trade-in or re-sale.
- Urban Commuter costs based on matching HES participants who drive to work – particular interest in their parking costs
- Difference between North and South Island motor vehicle costs mostly fuel costs

Index to September 2018



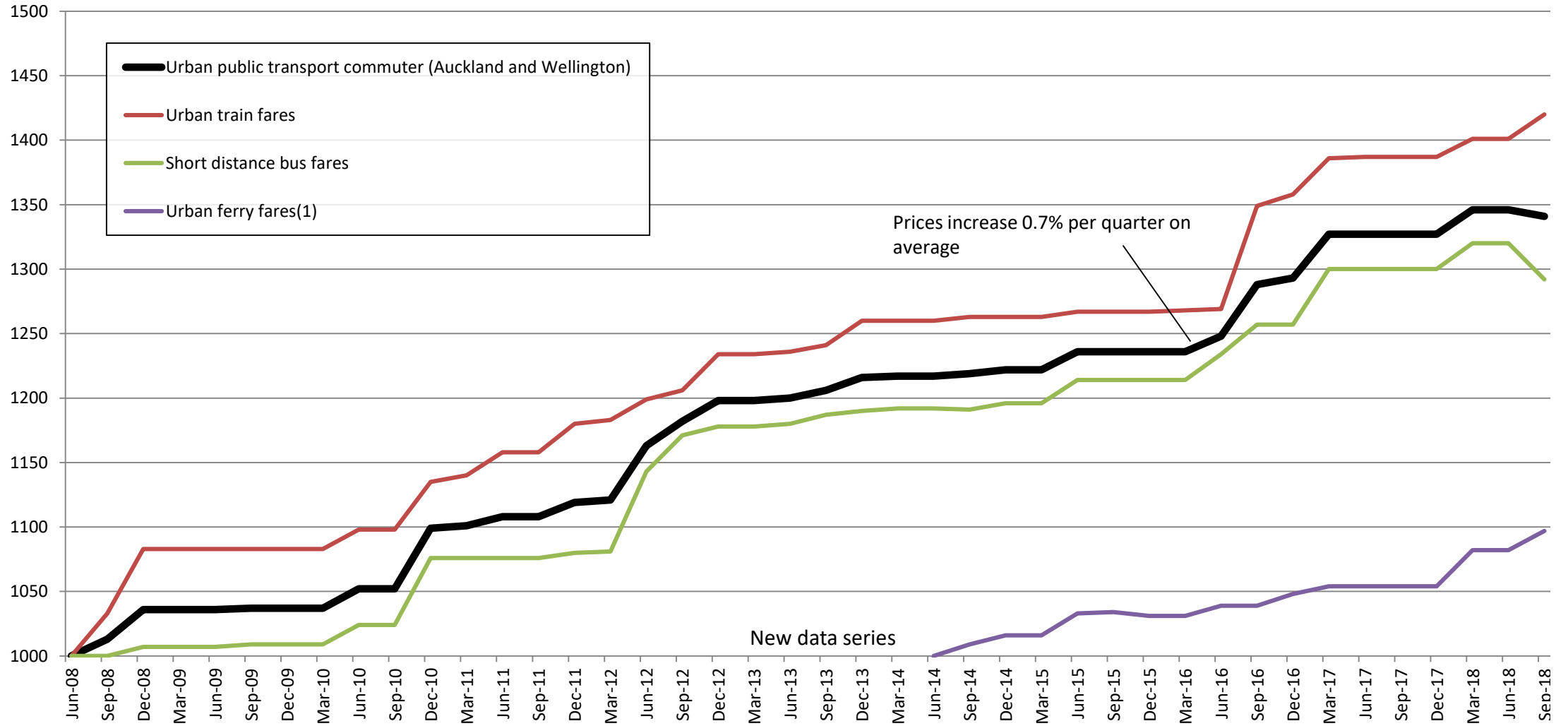
Source: Stats NZ

North Island Driving Costs



Source: Stats NZ

Metro Public Transport Costs



Source: Stats NZ

Next Steps

- Develop actual costs value using HES data plus index movements.
- Provide modal cost comparisons



Thank you