

Planning by the Numbers

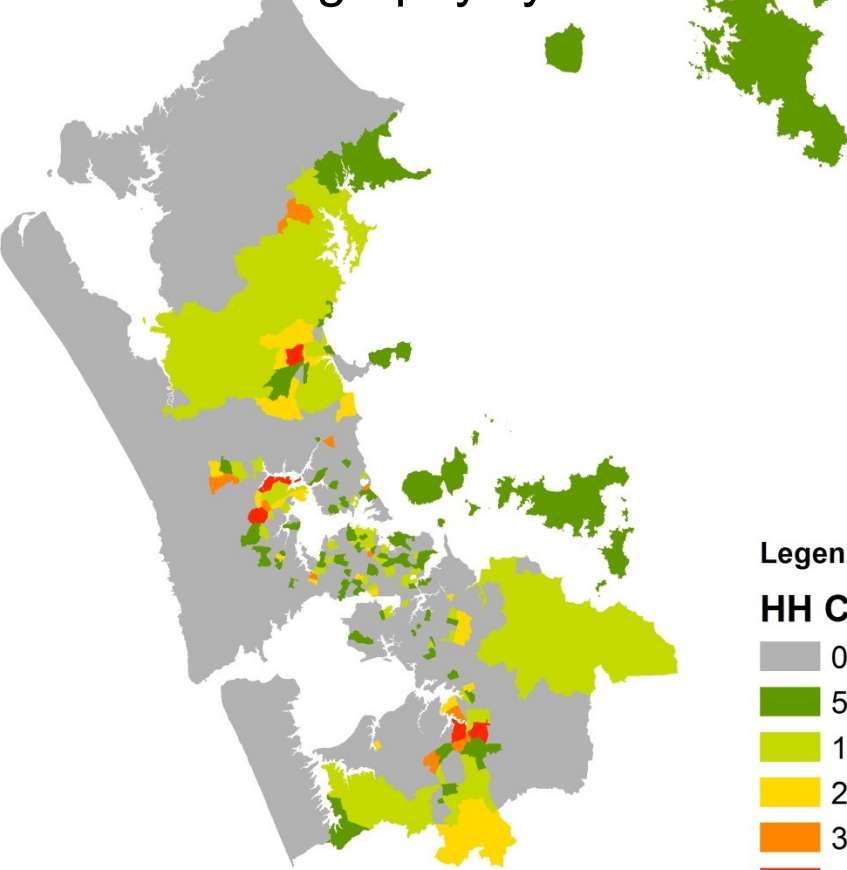
Kyle Balderston

Principal Growth Analyst

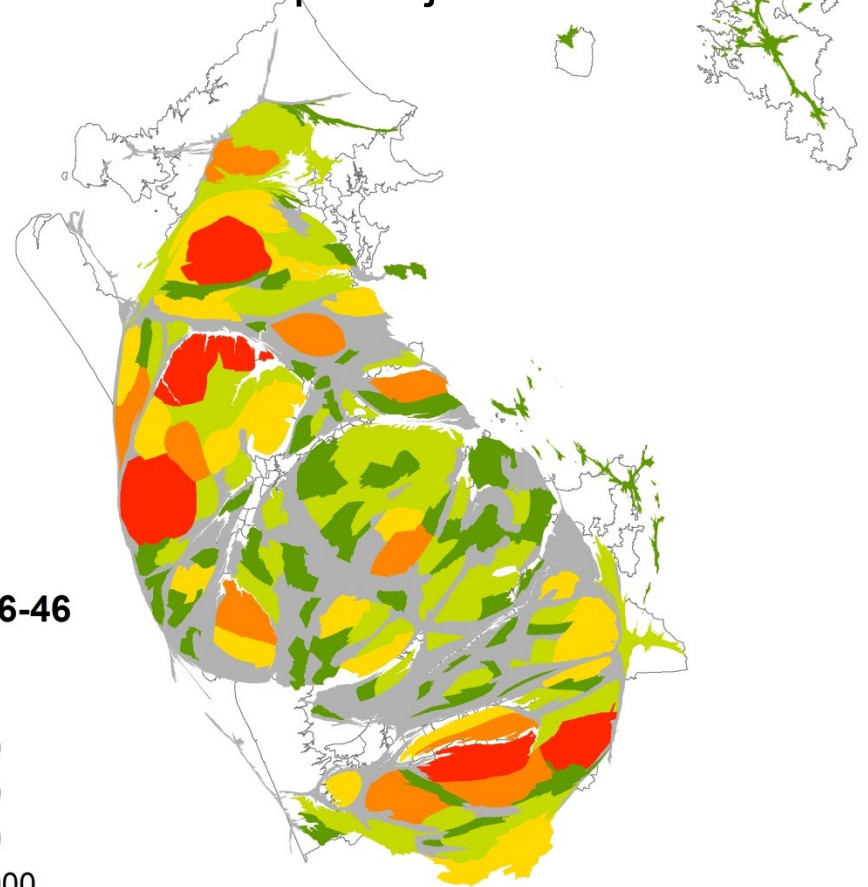
Land Use and Infrastructure Team

Projected HH Change, 2016-2046, Scenario i11

'True' Geography symbolised

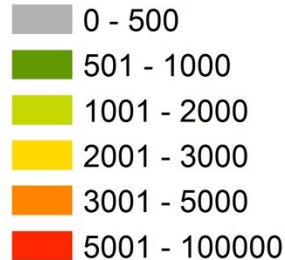


Size and shape adjusted for Growth



Legend

HH Change 16-46



Overview

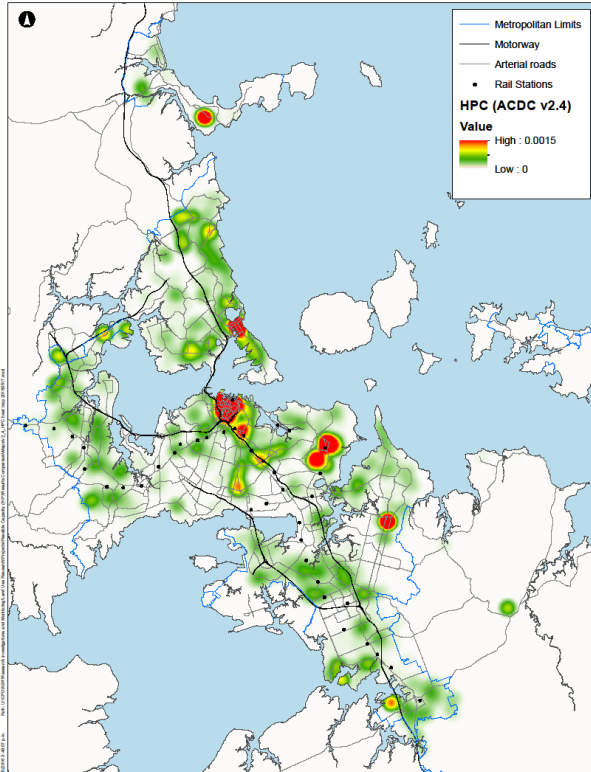
1. Legislative and practical context
2. How projections are developed and used
at Auckland Council
3. Challenges, particularly with uncertainty



**Annual Auckland
+20-40K people, +6-20k dwellings, ~\$100B GDP
Auckland Council 10 Yr budget (2015-2025) ~\$6B pa , ~30% on Capex**



Modelled feasible capacity, AC final Evidence

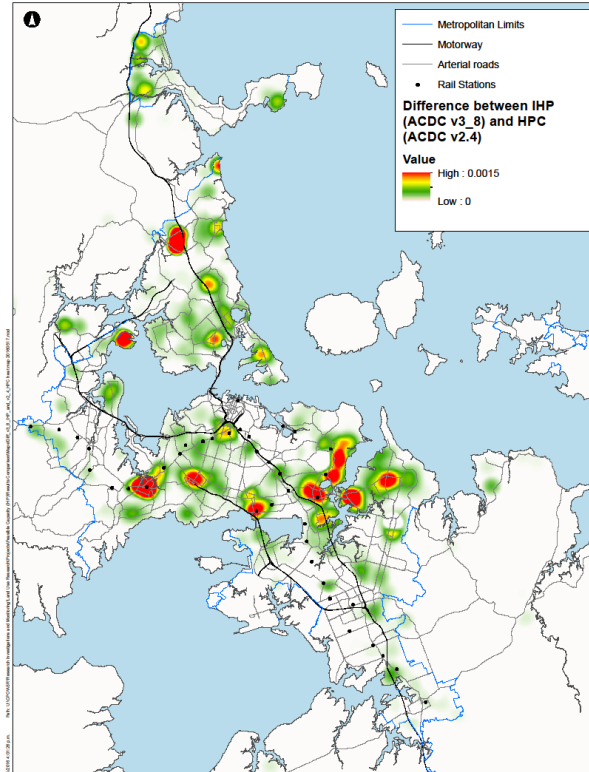


Relative density feasible capacity
(ACDC v2.4 HPC)

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Research & Evaluation Unit
Auckland Plan, Strategy &
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<- Change in feasible capacity between AC and IHP ->

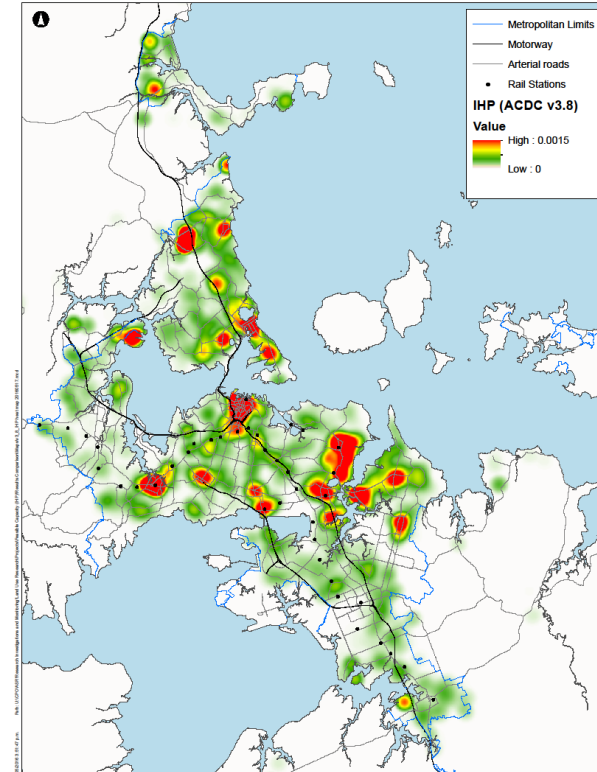


Relative DIFFERENCE in feasible capacity
ACDC v3.8 IHP less ACDC v2.4 HPC

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Modelled feasible capacity, IHP Reccomended Zoning



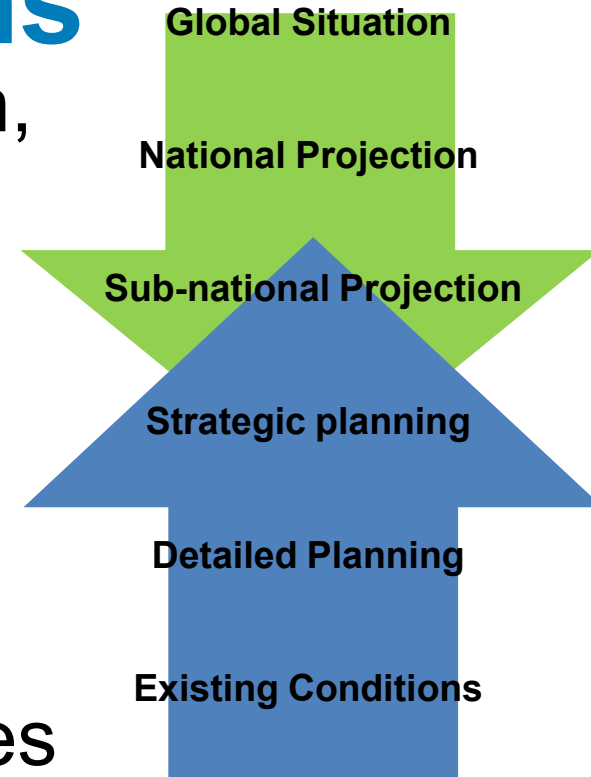
Relative density of feasible capacity
(ACDC v3.8 - IHP)

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SNZ Projections

- SNZ takes a 'top down' approach,
- using a **range** of demographic scenarios
- national first then smaller scales
- 30 year max time frame
- Smaller scales incorporate **local body comments & plans**.
- Census based but regular updates



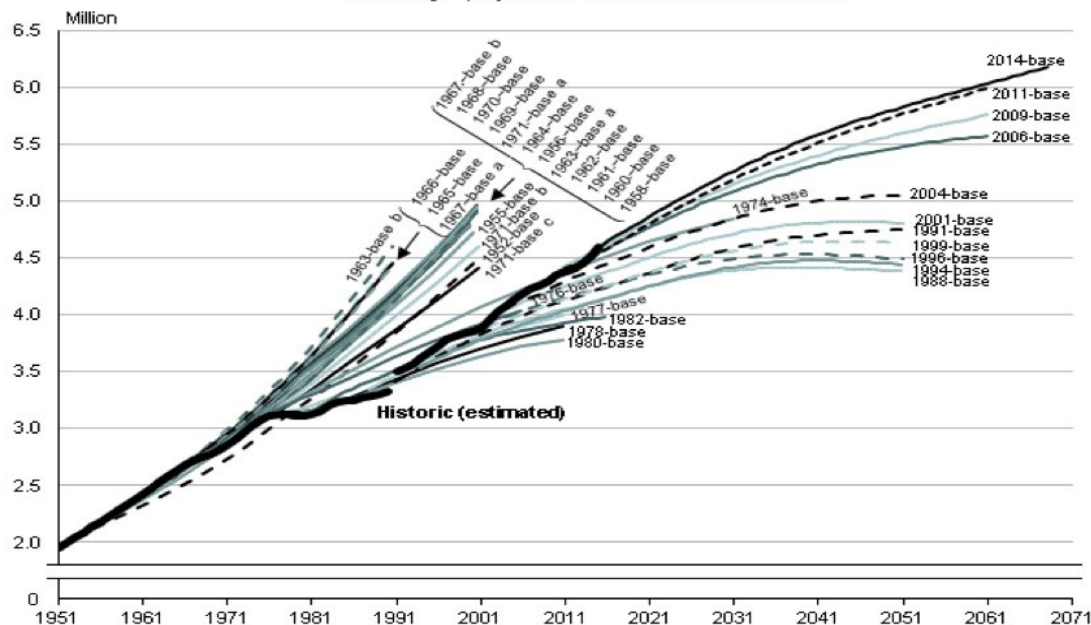
SNZ Regularly Updates Projections

SNZ National Projected Population vs Actual 1964-2014

Figure 7.1

7.1. Projected New Zealand population, mid-range projection, 1952-base to 2014-base

Projected New Zealand population
Mid-range projection, 1952-base to 2014-base



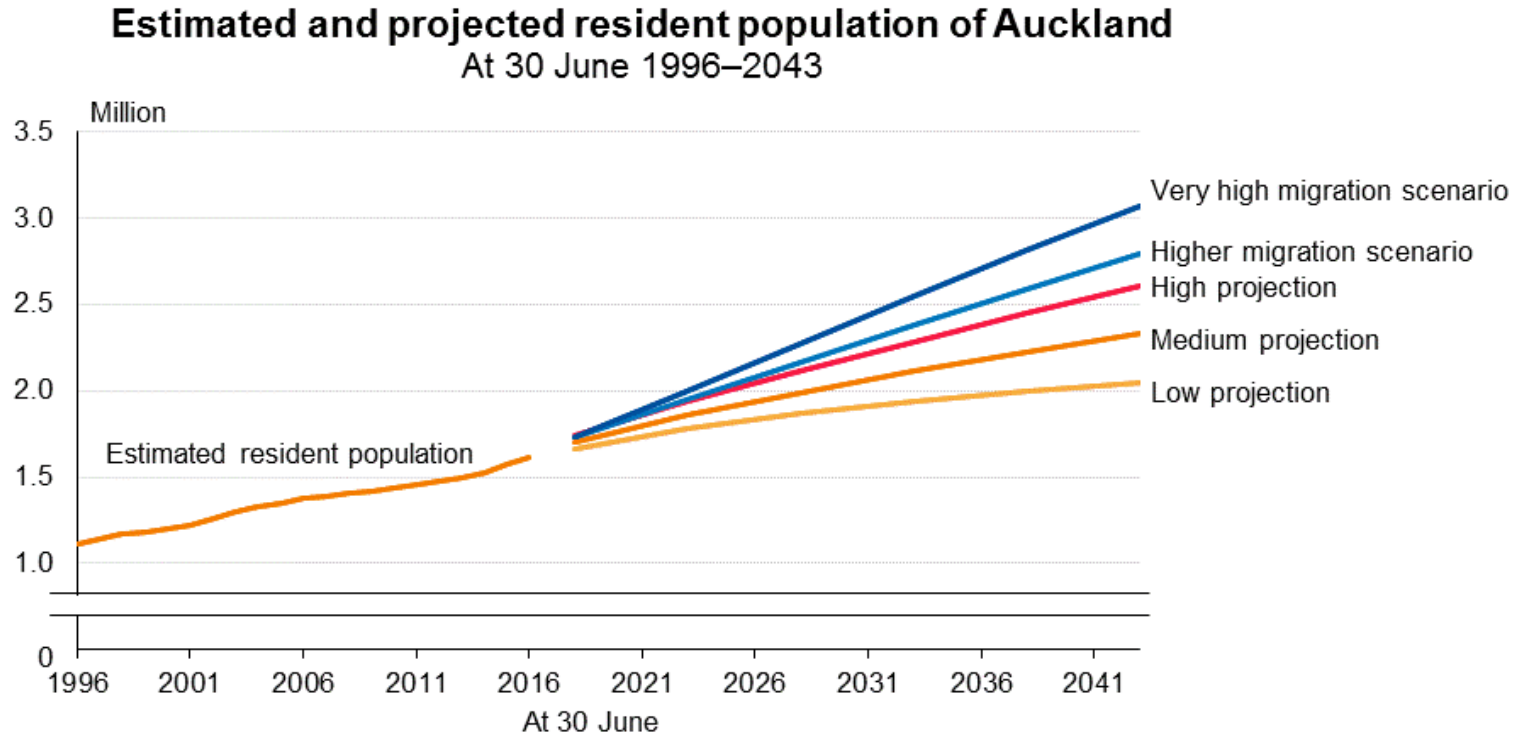
Note: Different projections from a common base year are denoted by a, b, and c.

Source: Statistics New Zealand

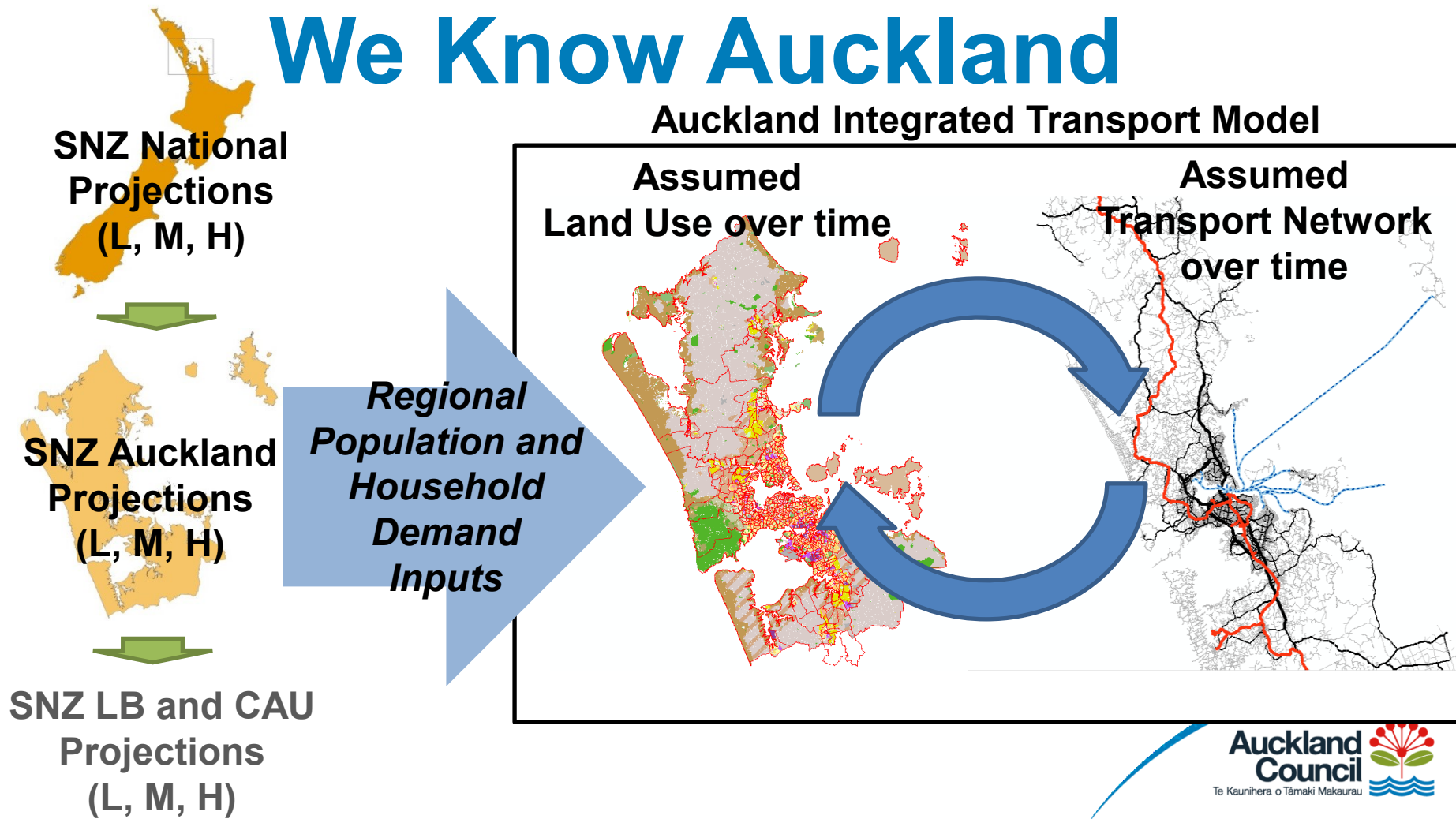


SNZ Regularly Updates Projections

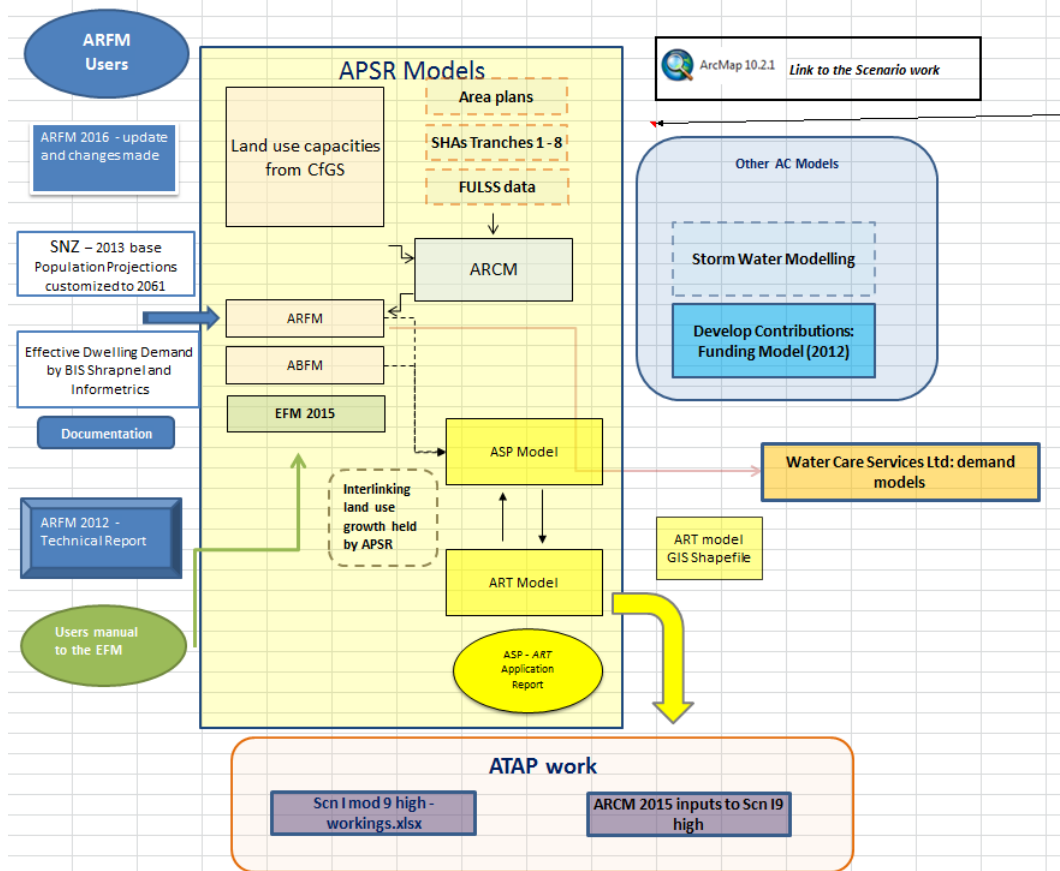
Auckland **Higher** and **Very High** Net Migration Scenario



We Know Auckland



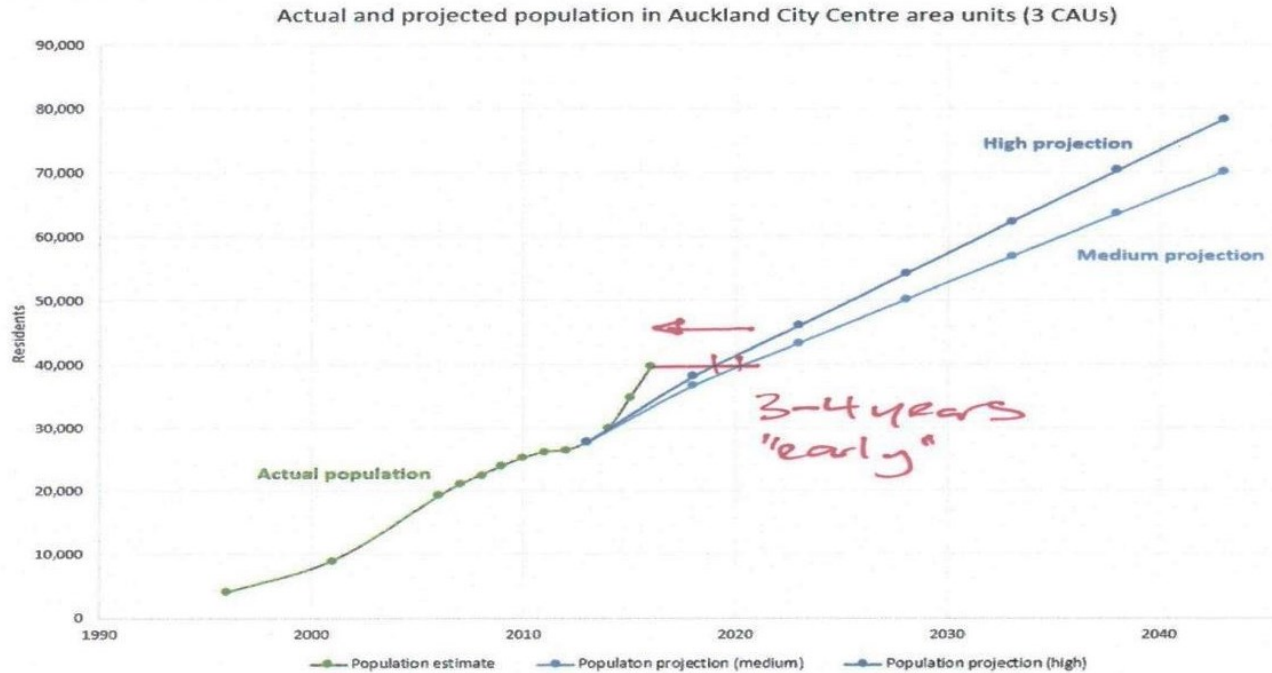
Complex Process



City Centre growth

City Centre population has grown much faster than expected, despite being the largest construction site in the country.

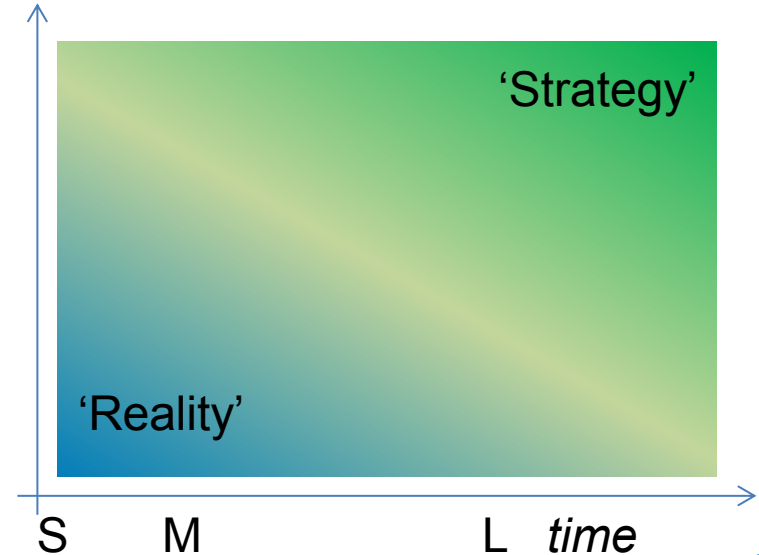
Will this continue?



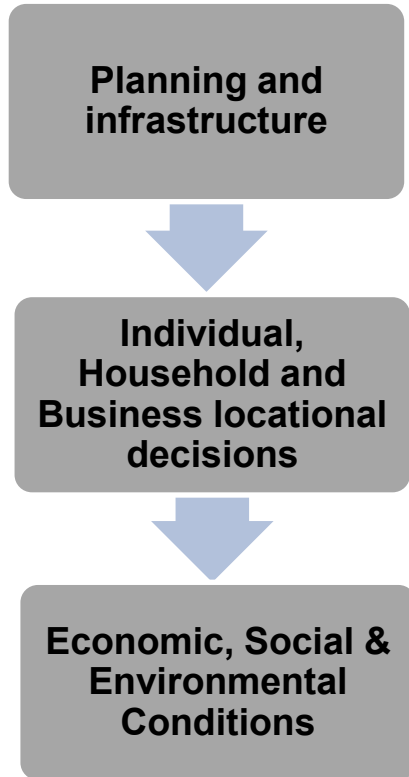
Planning is Projections

Sub-national scale projections over time *necessarily* increasingly reflect an successful implementation of stated strategic intentions.

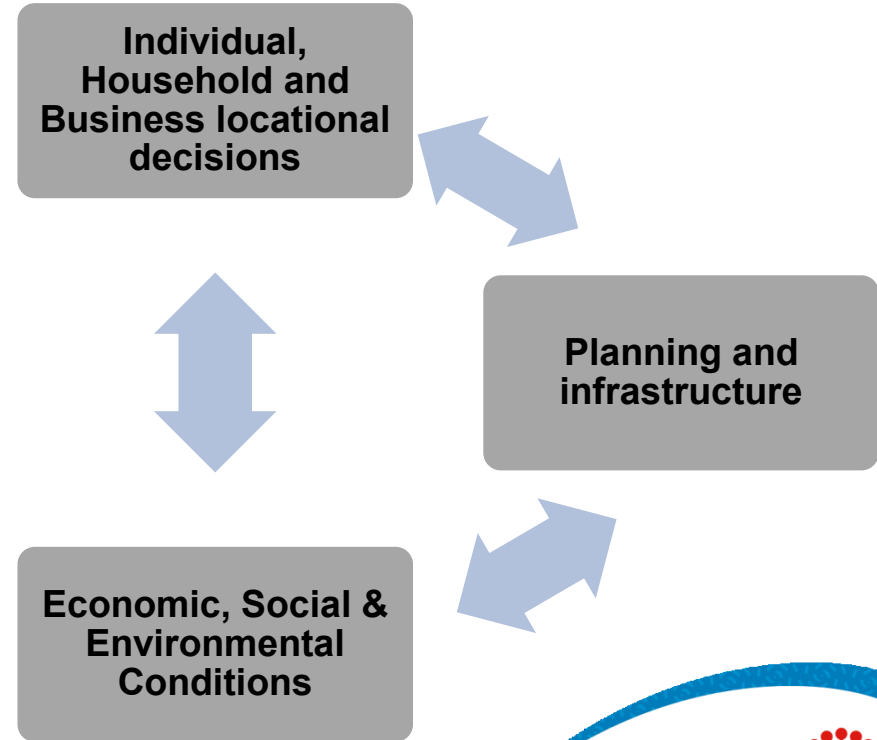
Earlier periods reflect a far greater proportion of known developments, conditions and already committed actions.



Less this



More this



It is only certain that the future will be different from the past,
The only constant in a city, is change.

