### NZRA Presentation The World is Changing

29<sup>th</sup> July 2014



### The World is Changing....



'World is changing, you can feel it in the water, you can feel it in the air' is a classic line from the Lord of the Rings movies



### Demographic and Fiscal Constraints

Some Challenges Coming Up



# Central Government: Efficiency, Effectiveness and Value for Money

: Expenditure Priority Tensions (Projections from Treasury Historic Trends Approach)

Expenditure Area	2011 - %GDP	2030 - %GDP	2050 - %GDP
Debt Projections	21.8%	79.5%	223%
Debt Servicing	1.6%	4.8%	12.7%
Superannuation	4.7%	6.7%	8%
Education	6.4%	5.5%	5.4%
Health	7.6%	8.5%	10.7%
Total S+E+H	18.7%	20.7%	24.1%
Difference 2010		+5%	+10%
Infrastructure (approx.)	7%	? 5%	? 3.5%

Information Source: NZ Long Term Fiscal Statement, Oct 2009, Treasury



## **Council Debt reaching limits**

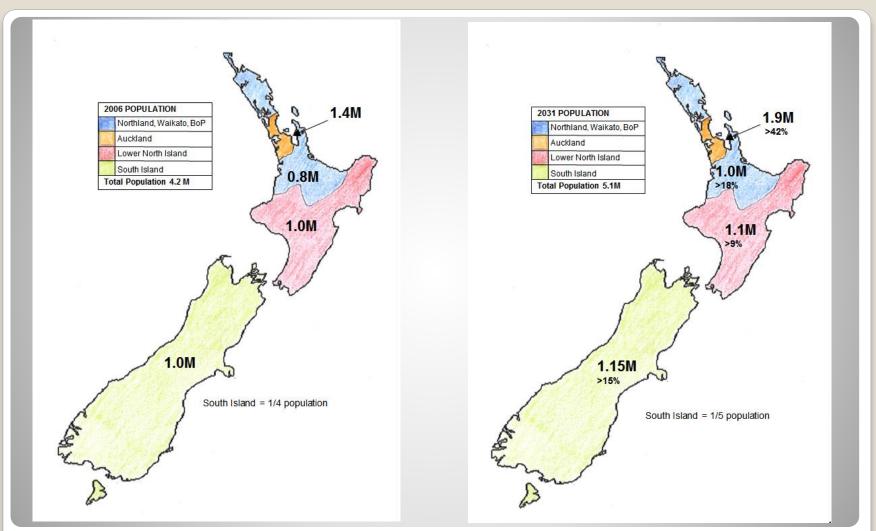
Average Debt per Ratepayer							
Group	2008	2009	2010	2011	2012		
Metro Group	5,172	6,507	7,407	8,477	9,273		
City Group	3,976	1,413	4,605	4,758	5,173		
Prov/Rural Group	2,338	2,772	3,174	3,430	3,811		
Rural Group	1,873	2,124	2,136	2,430	2,475		
Total of all Groups	2,642	3,055	3,391	3,706	4,026		
Total of all Groups (including Auckland)	2,681	3,112	3,441	3,834	4,176		

- 2002 \$1500 acceptable debt, \$3000 max
- Inflation adjust \$2000 acceptable, \$3900 max
- Current Average Debt \$4000 but interest rates are lower – for now. Metro/City higher debt
- Councils fund rates, debt, development contributions. Pressure on all 3

Source: Larry Mitchell Local Government League Table Date: March 2013



#### **New Zealand Population, Demographics**



Source: National Infrastructure Plan Date: 2011



### **Rural to Urban Changes / Challenges**

#### "Zombie Towns"

- Any Growth 65+ pop. (N. Jackson)
- Different services less than 5,000 pop?
- 50,000 workers needed in rural areas (Federated Farmers June 2014)
- Who is going to do the work?
- Integration of immigrants into rural / provincial NZ

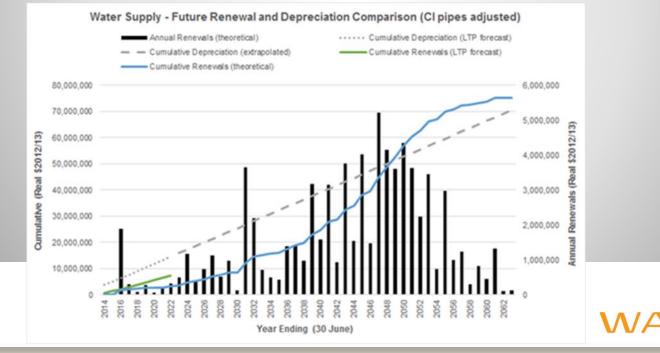
Number Towns	Population (2006 Census)
6	90,000 and above
68	10,000 - 90,000
38	5,000 - 10,000
551	Less than 5,000



### Road Funding, Utilities Peak 2030-50

• Utilities replacement peak 2030-2050

- Real reduction in road funding outside Auckland-Hamilton-Tauranga
- Real long term pressure on community asset funding, particularly smaller towns



# **Future Implications**

#### Many Challenges, Many Changes



#### **Timaru Zones of the Future**



Source: Waugh Infrastructure Management Date: March 2013



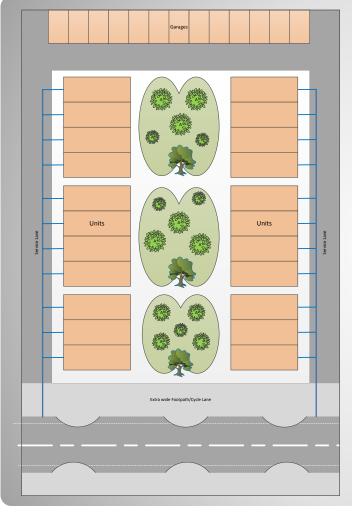
#### **Medium Density Units not Villas**



Source: Waugh Infrastructure Management Date: March 2013



# **New Development Layouts?**



Source: Waugh Infrastructure Management Date: March 2013

- Multiple Units per site
- Central common green
- Rear narrow service lanes
- Garaging / Storage
- Less cars, smaller cars
- More scooters
- More bicycles, cycle lane
- Wider footpath
- Traffic calming, narrower carriageway
- More public transport
- 2<sup>nd</sup> tier rental for market



#### Jatkasaari, Helsinki – Urban Life by the Open Sea

- Construction 2009-2025, 100ha, 19.8ha parks
- 16,000 residents, 6,000 jobs, 1.5km from city centre
- Waste Automated Vacuum Collection





# **Urban Spaces, Helsinki**





## **Urban Spaces, Copenhagen**







# **Example of Issues, Detroit**



#### **Detroit – Decades of Decline, Bankruptcy**

Motown slowdown Detroit city Employment, '000 Unemployment rate, % 375 30 350 25 325 20 300 15 275 10 250 5 1 -1 1 ----0 2000 02 04 06 08 10 1213 Population, m 2.0 1.5 1.0 0.5 1900 20 40 60 80 2000 10 Sources: Bureau of Labour Statistics; Census Bureau



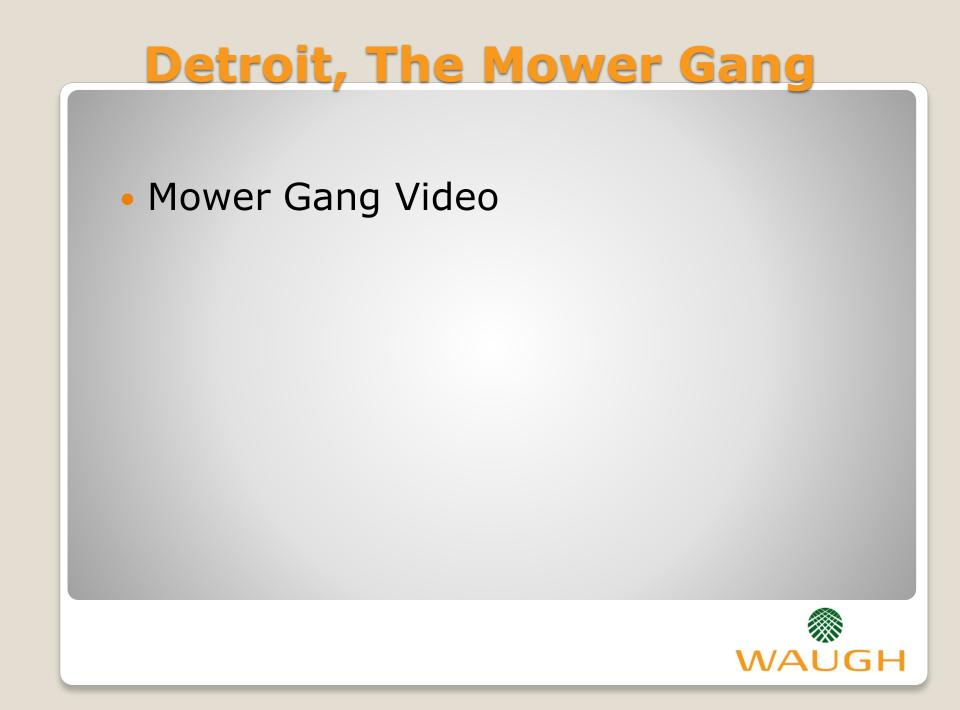
# **Demand Forecasting**



 Rapidly Declining Cities
 Rapid changes in demand

Cleveland, OH #1 Detroit, MI #2, 2014





# Detroit (1 year later) - Hope

- Seek the involvement from nongovernment actors – civic, business and philanthropic
- Be aware of the power of network effects in building a consensus (and releasing / mobilising) for action, investment, and change.
- City fixing the basics
- City alternatives for funding



### NZ Example – CBay, Timaru

# Good example - \$23M, \$7M Community raised, \$16M Council





#### **More Demand for Parks/Property Services**



- Changing urban forms different assets
- More demand for recreational assets
- More use of volunteers
- How to fund in a constrained environment?



### **The Future**

Affordability
Sustainability
Network effects
Liveability





- Prof Natalie Jackson demographics
- Fairfax Council Debt
- Treasury Fiscal Projections
- OAG, DIA Sector financial comparisons
- www.waughinfrastructure.com
- www.inframanage.com

