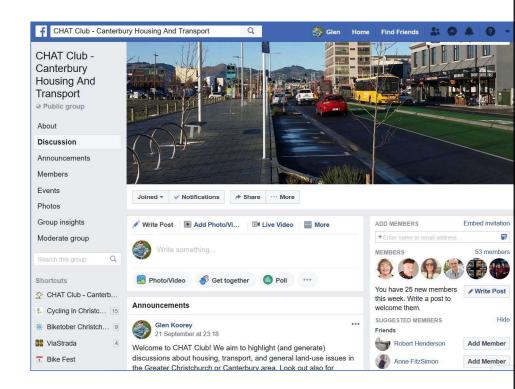


This forum brought to you by CHAT Club

CHAT = Canterbury Housing And Transport

- Discussions about housing, transport & general land-use in Greater Christchurch
- Facebook discussion group:
 fb.com/groups/248229305886431/
- Websites:

talkingtransport.com medium.com/@brendon_harre



Workshop invites

Sign up to receive email invites

http://eepurl.com/go5klr

You may give a little

givealittle.co.nz/
cause/chat-club#





Subscribe

Welcome to CHAT Club! We aim to highlight (and generate) discussions about housing, transport, and general land-use issues in the Greater Christchurch or Canterbury area. Subscribe to our newsletter and receive invites to events by subscribing here.

Email Address		
First Name		
_ast Name		
Organisation		

Housekeeping







Programme for tonight (6.00 - 7.30)

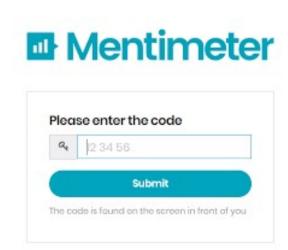
- Recap Glen
 - "Roadmap", Bus vs rail attributes
- Results from last time Six bus/rail options Glen
- Costs Capex vs Opex Chris
- Group discussion
- How are we going to pay for it? Axel
- Exercise: Benefit vs Cost
- Wrap-up / where to from here? Glen

Menti exercise: What do you think of tonight?

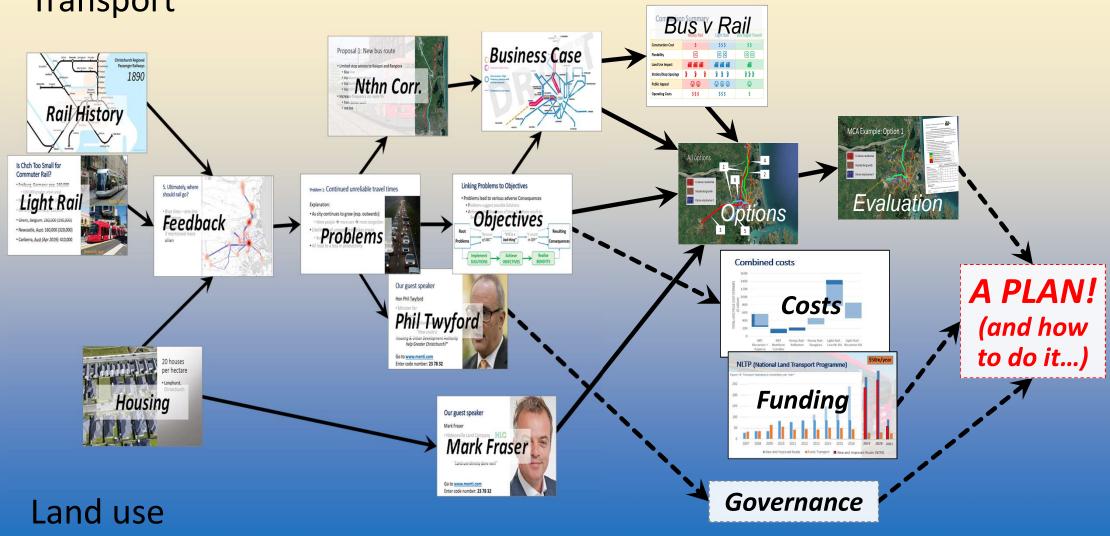
Use your smartphone to give us some feedback throughout the evening

(you can wait until the end to do this survey)

- Go to www.menti.com
- Enter code number: **11 27 72**
- Write some comments (up to 250 characters)
 - What did you learn? What did you like?
 - What didn't we cover? What do you disagree with? etc, etc
- Click "Submit" (You can submit more than one comment)



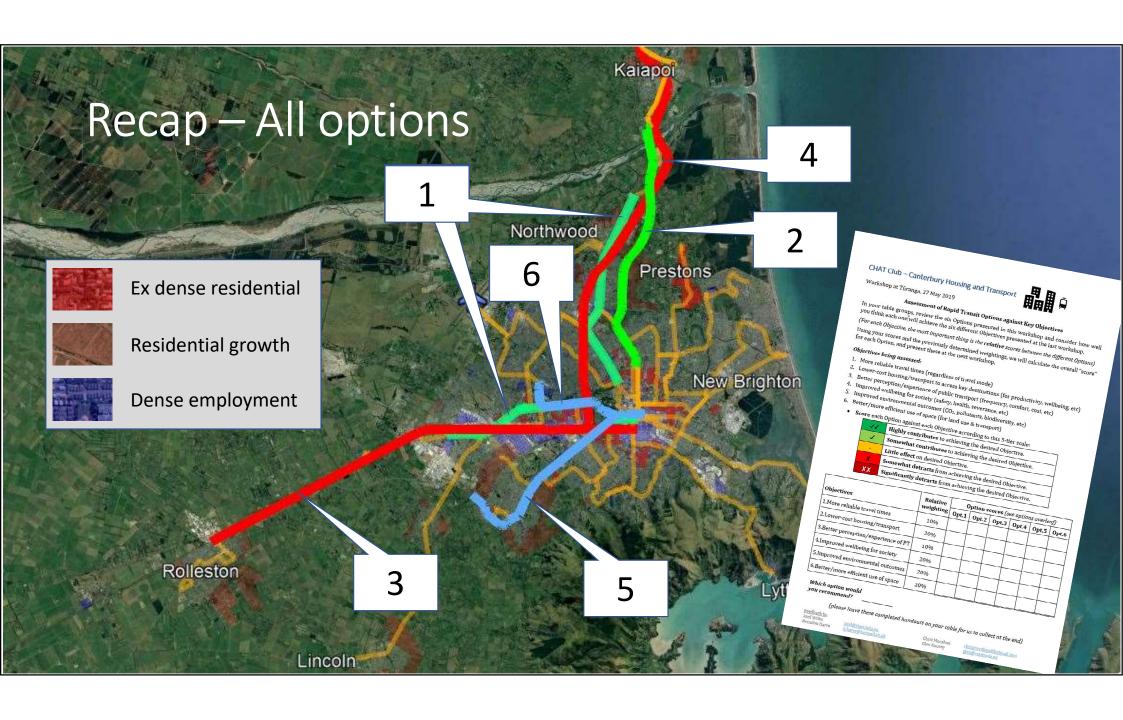
Transport Workshop roadmap ... the endgame



Recap Bus vs Rail – comparison summary

	Heavy Rail	Light Rail	Bus Rapid Transit
Construction Cost	\$	\$\$\$	\$\$
Flexibility	×	××	××
Land Use Impact			
Station/Stop Spacings			
Public Appeal			
Operating Costs	\$\$\$	\$\$\$	\$





Evaluation results

		1	2	3	4	5	6
	200	Bus rapi	d transit	Heav	y rail	Ligh	t rail
Objective	Weighting	Riccarton + Papanui	Northern Corridor	To Rolleston	To Ran <mark>giora</mark>	Lincoln Road	Riccarton Road
More reliable travel times	10%	0.5	1.0	1.8	1.8	1.0	1.0
Lower-cost housing/transport	20%	1.2	1.2	1.2	1.6	1.3	0.5
Better perception/experience of public trpt	10%	0.8	1.0	1.2	1.2	1.2	1.2
Improved wellbeing for society	20%	0.8	1.0	1.0	1.0	1.0	1.0
Improved environmental outcomes	20%	0.8	1.2	1.5	1.4	1.4	1.0
Better/more efficient use of space	20%	0.5	0.8	1.3	1.2	1.4	0.7
TOTAL WEIGHTED SCORE		4.7	6.2	7.9	8.0	7.4	5.1

Implications of results

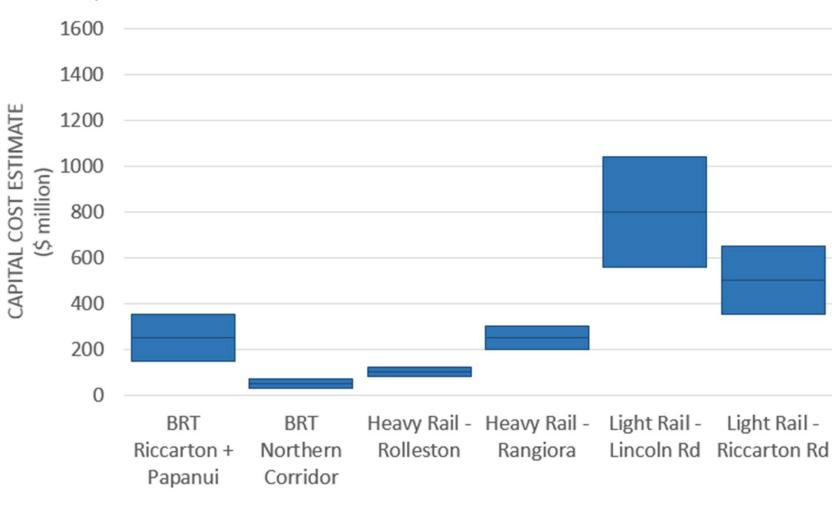
- 1. BRT Riccarton & Papanui ranked lowest discount
- 2. BRT Northern Corridor ranked 4th consider this one as an alternative to a parallel train
- 3. Rail to Rolleston ranked 2nd evaluate
- 4. Rail to Rangiora ranked highest evaluate
- 5. Light rail Lincoln Road ranked 3rd evaluate
- 6. Light rail Riccarton Road ranked 5th discount (for now)



Capital costs

- Very rough estimates!
- Based on "per kilometre" rates from:
 - Recent bus priority works Riccarton Road, Manchester Street Bus Lanes, Lincoln Road Bus Lanes
 - Recent light rail projects Canberra, Newcastle, Sydney
- Some estimates already done:
 - Christchurch 2011 Riccarton Light Rail Study
 - Christchurch 2005 Heavy Rail Study

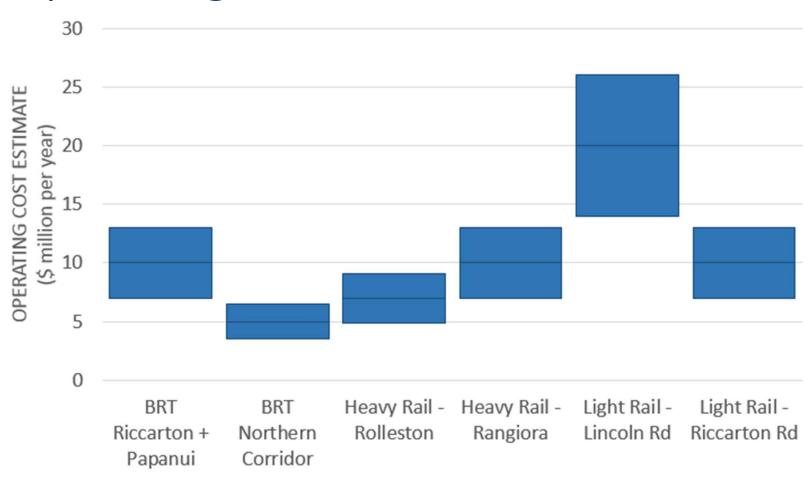
Capital costs



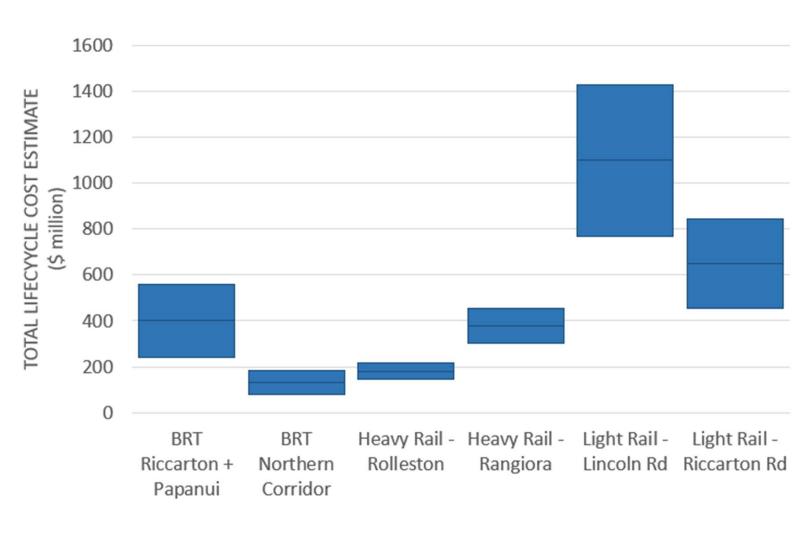
Operating costs

- Even rougher than the capital cost estimates!
- Based on:
 - BRT current costs of operating buses in Christchurch. Assumed bus frequencies would roughly double
 - Heavy rail costs of operating trains in Wellington. Assumed similar frequencies to there (10 min peaks, 20 min off-peaks)
 - Light rail costs of operating light rail in Canberra

Operating costs



Combined costs



Summary of Options – costs & benefits

Option	Annualised cost/yr (\$m)		
1. BRT Riccarton & Pa	apanui \$16-	-37m 4.7	
2. BRT Northern Cor	ridor: \$5-	12m 6.2	•
3. Rail to Rolleston:	\$11-	-16m 7.9)
4. Rail to Rangiora:	\$20-	-30m 8.0)
5. Light rail Lincoln R	Road: \$51	-94m 7.4	
6. Light rail Riccartor	Road \$30	-56m 5.1	ì

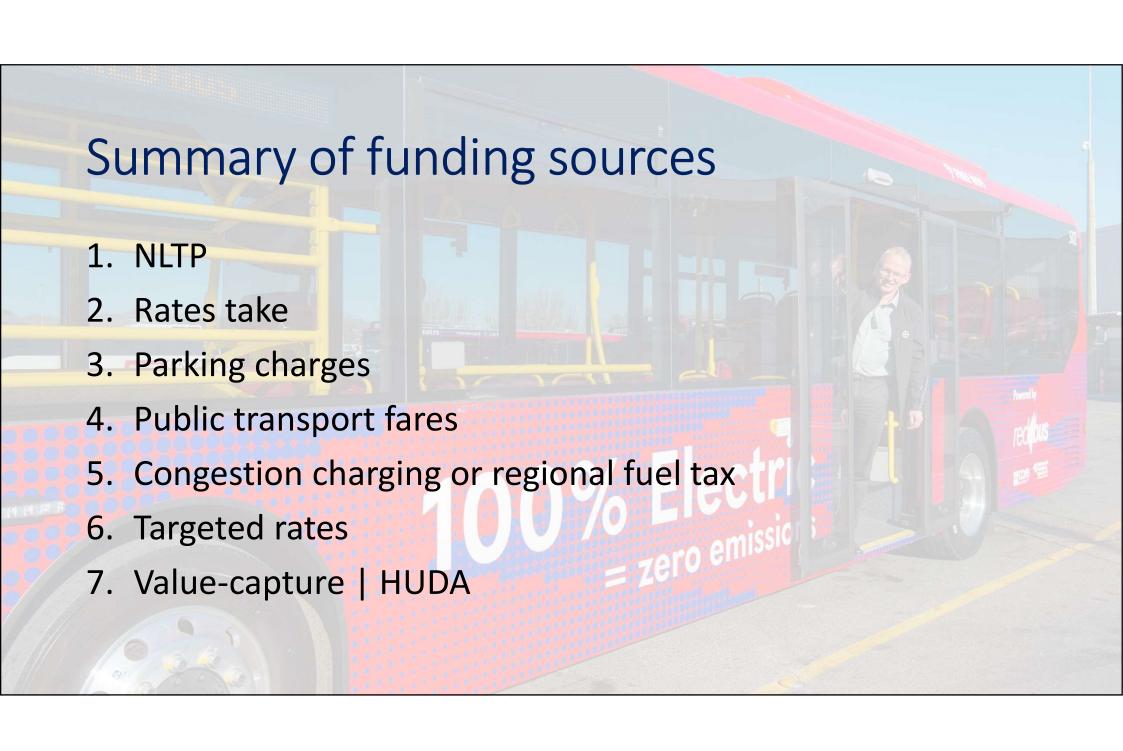
Over to you! Discussion (~10 mins)

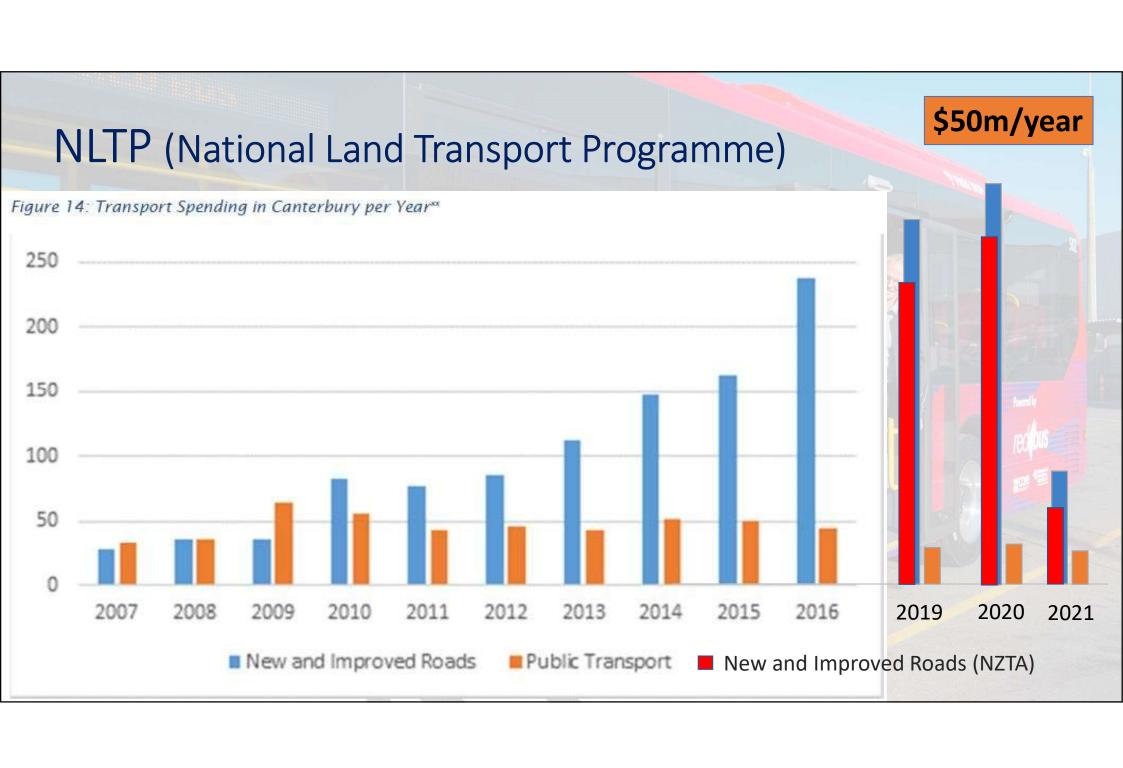
In your tables (move around if you wish):

- Group discussion about Evaluation results
 - Do you agree? Do these surprise you?
 - Which Options should we continue to explore?
- Consider costs of Options
 - Do the costs seem about right?
 - Do these cost estimates change your views on any of the options?
- We will report back on what we hear









Rates

- Could raise additional income through rates
- Post-EQ, it feels we have maxed out on what people want to afford
- Suggest only viable option is to reprioritise existing spending
 - No more four-laning of roads
 - Take funding for PT projects instead

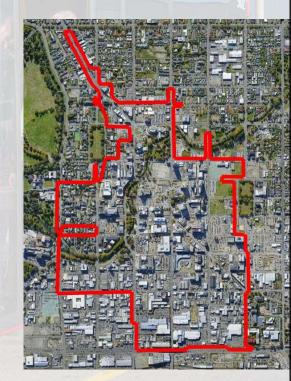
Up to \$10m/year

Up to \$10m/year

Paid parking

- Need paid parking in areas of high parking demand (80% +)
 - Central city outside red cordon
 - Area around malls
 - University
 - Sydenham, Middleton
- Has Central City Business Association (CCBA) support
- Appears to have central city residents support
 - Need exemption system

Two objectives: gain revenue and suppress travel demand



Public transport fares and other income

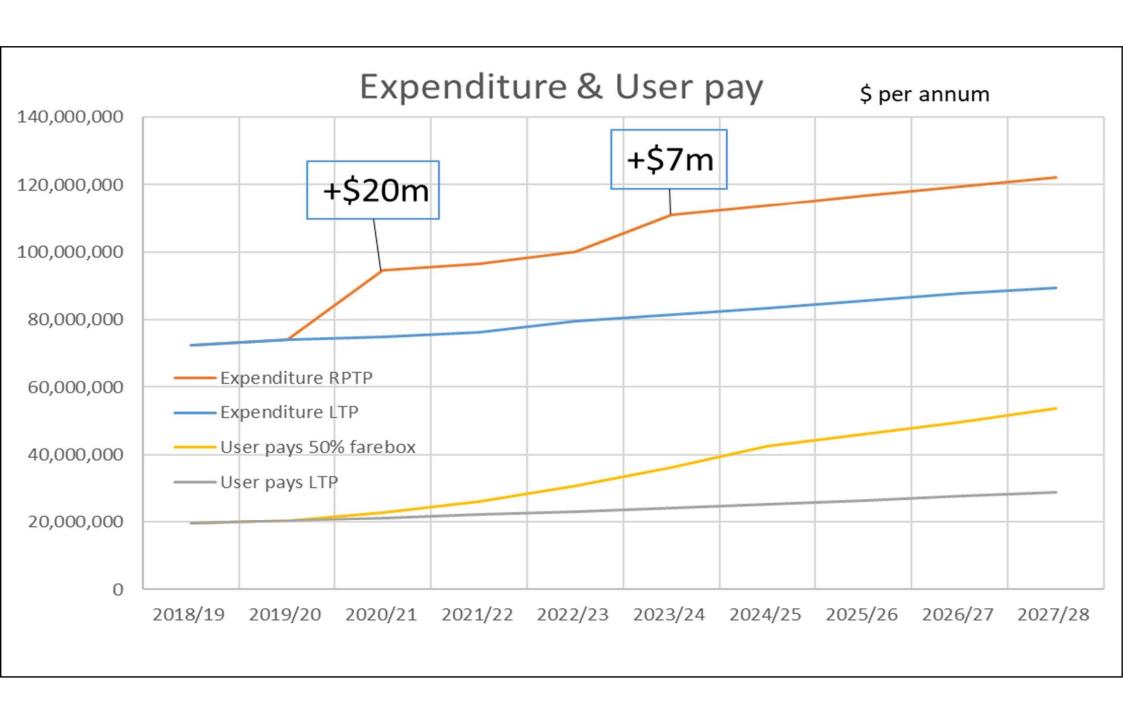
PT costs impacted by

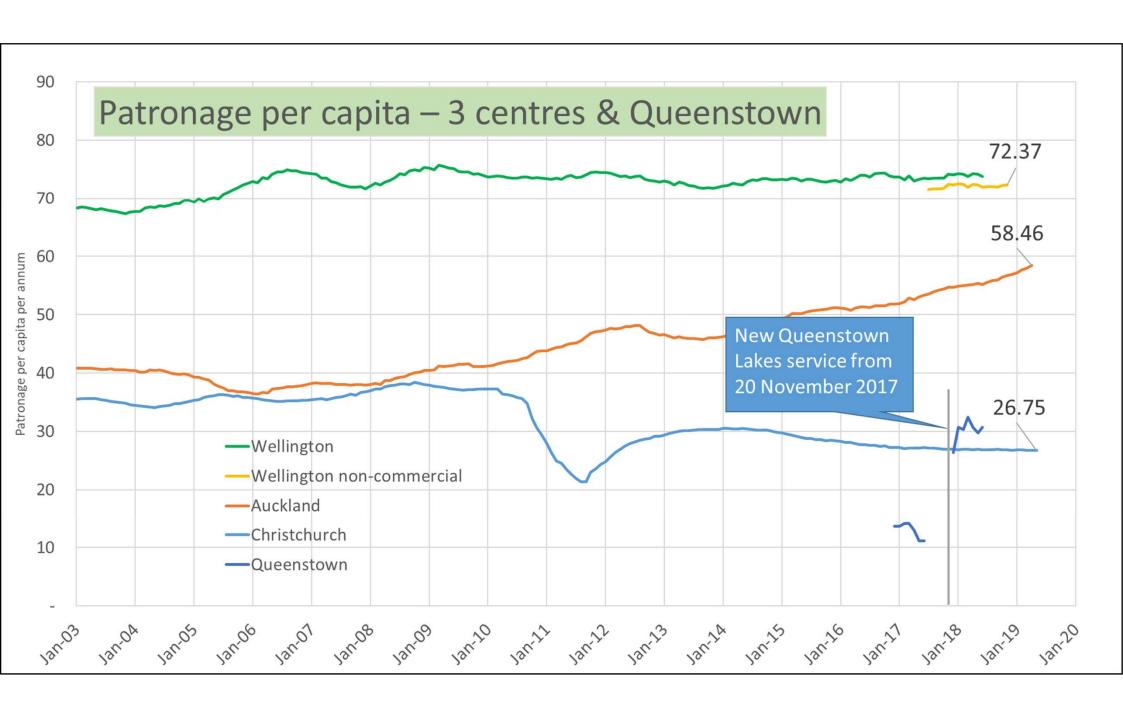
- Inflation (including diesel price)
- Fleet (conversion to EV?)
- Frequency & new services
- Rail / rapid transit

Income impacted by

- Patronage
- Ticket costs
- Funding assistance rate
- Targeted rates

Up to \$20m/year





Congestion charging & regional fuel tax

Cordon system

- Too many entry points
- Would work for Waimakariri but not Selwyn

Regional fuel tax

- Much simpler to implement than cordon charging
- Mentioned by government but needs their legislative support
- Referred to in RPTP



- Tool available to and used by councils
- Rate high-density developments alongside rapid transit corridors
- Can also target certain areas (e.g. north of Waimakariri River)

100% Electricate Telectricate T

Up to \$5m/year

Value-capture | HUDA

- Can currently be done as a development levy
- Government could change legislation to charge existing properties that benefit from improvements → council income
- Govt could become developer (with land acquisition powers) and retain profits from development → government income
- Those can pay towards transport infrastructure

Summary of income potential

Option

1. NLTP

2. Rates take

3. Parking charges

4. Public transport fares

5. Regional fuel tax

6. Targeted rates

7. Value-capture | HUDA

income/yr (\$ million)

\$50m

\$10m

\$10m

\$20m

\$40m

\$5m

\$5m

Total: \$140m/year

Over to you! Group-work (~20 mins)

In your tables:

- Group discussion about Funding sources identified
 - What do you think of the potential funding sources?
- Paying for different rapid transit Options
 - How would you pay for one/some/all of these Options?
- Incremental benefit/cost assessment
 - For extra expenditure, what benefits do you get?
- We will report back on what we hear





- Existing setup (Joint Committee):
 - ECan, CCC, WDC, SDC, with NZTA observer
 - KiwiRail not included
 - Joint Committee came from a review in 2015
- Delegate some transport functions to one local authority
- Greater Christchurch Transport Authority
- Unitary authority



- Greater Christchurch Partnership (ECan, CCC, WDC, SDC, NZTA, CDHB, Ngai Tahu, Regen Chch) + MHUD
- HUDA doing specific transport plus housing projects

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Reminder

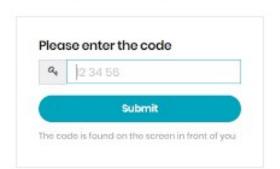
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 - What didn't we cover? What do you disagree with? etc, etc (You can submit more than one comment if you wish)
- Click "Submit"

(you can wait until the end to do this survey)



Follow up

- We will collate your workshop contributions
 - Collect your worksheets
 - Menti survey feedback
- Report back via
 - Talking Transport: <u>www.talkingtransport.com</u>
 - CHAT Club Facebook page: <u>fb.com/groups/248229305886431/</u>
 (CHAT Club Canterbury Housing and Transport)

What next?

- No more CHAT Club workshops!
- But plenty is starting to happen...

Greater Chch Future Public Transport Business Cases

- Foundations ("Quick wins")
- Expansion of high-frequency routes
- Rapid Transit corridors

Keep an eye out for consultations



- Don't forget to complete your final Menti survey (feedback)
 - Go to www.menti.com
 - Enter code number: 11 27 72

See you next time!

