

Wellington Public Transport Futures

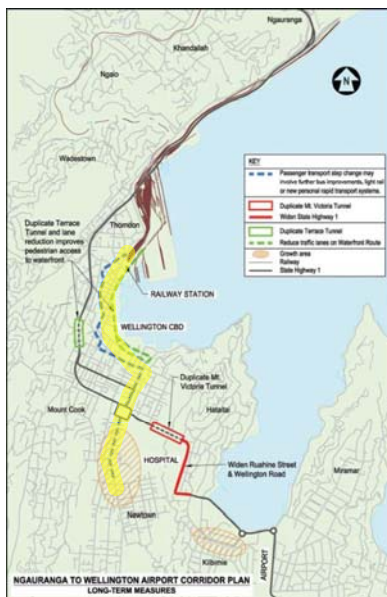
IPENZ Transportation Group Conference

Andrew Foy

March 2014

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Public Transport Spine Study Purpose



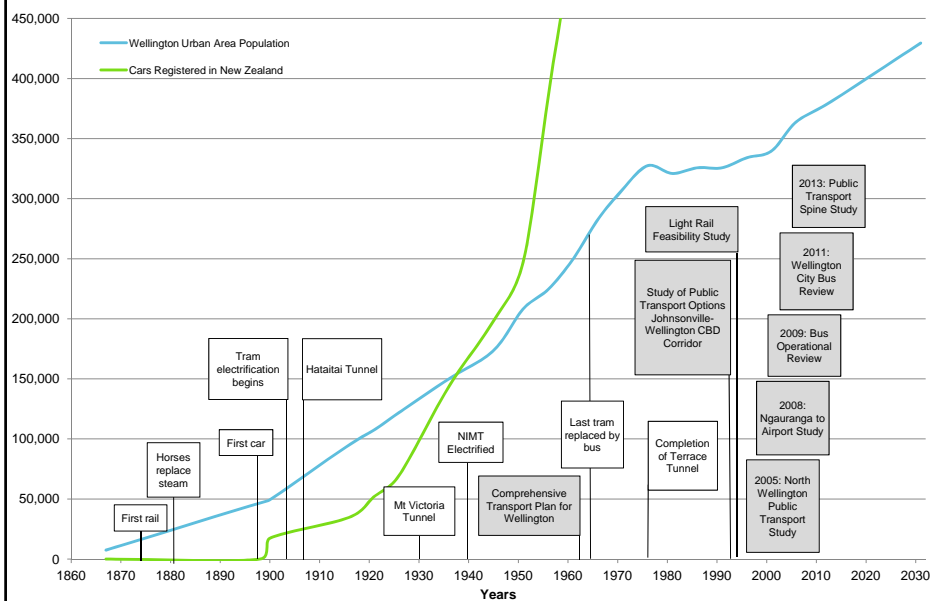
- Look at a future high quality, high frequency PT system
- Focus Railway station to Hospital
- Relieve congestion through CBD route
- Consider connections and extensions north and south
- Long-term outlook/strategic
- Clients, GWRC, NZTA, WCC

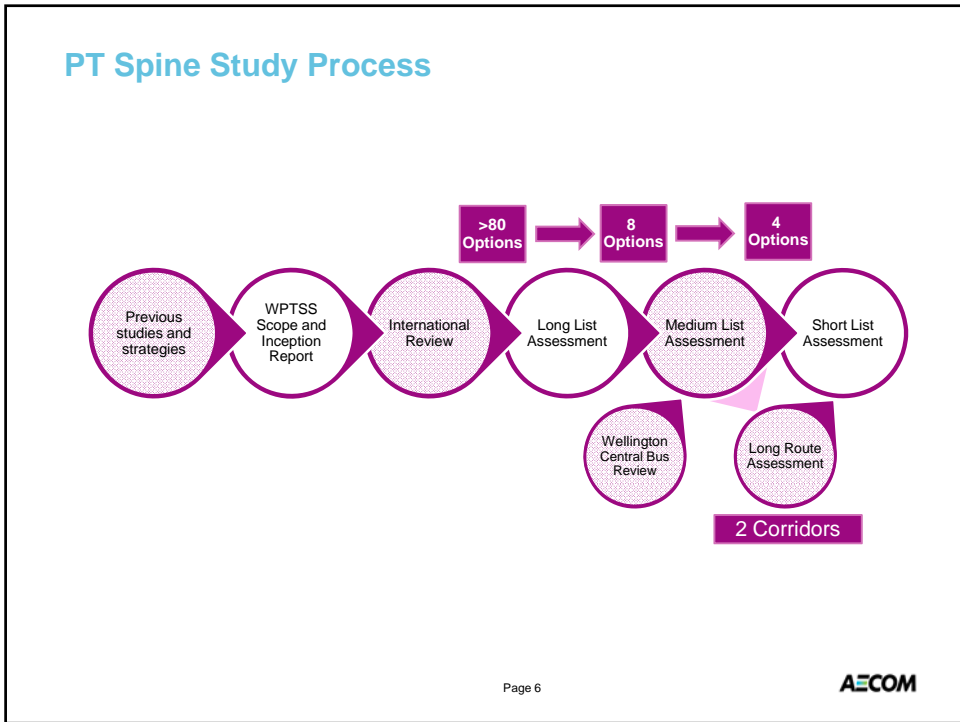
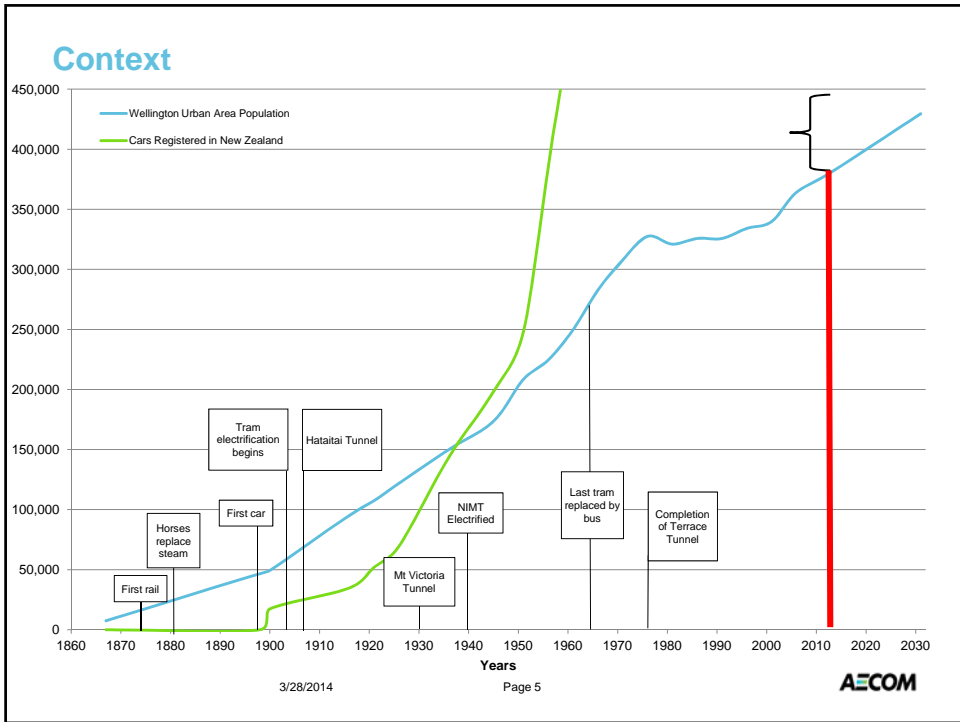
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From Where to Now



Context





Tram Route Map



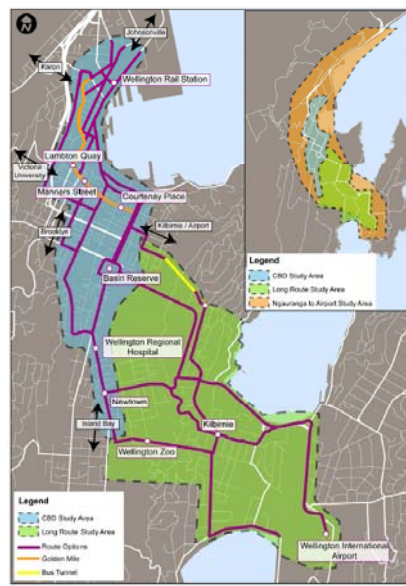
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Tram Routes



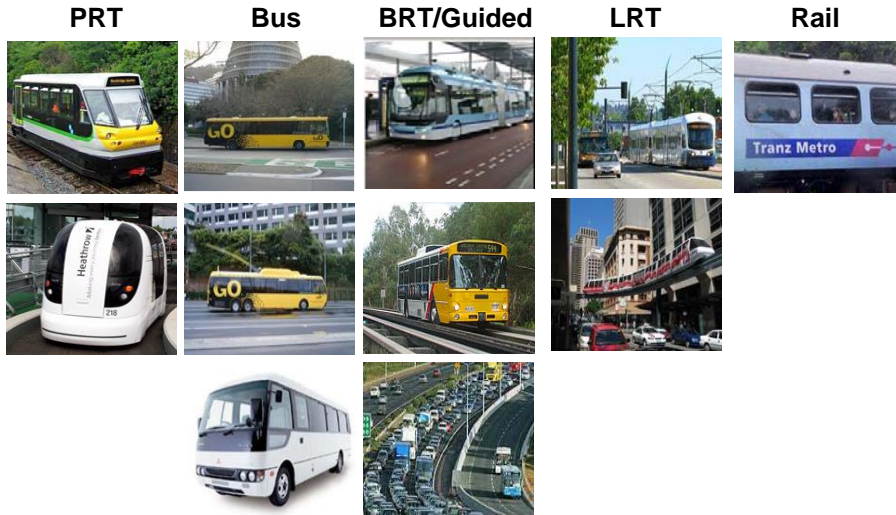
Spine Study Routes



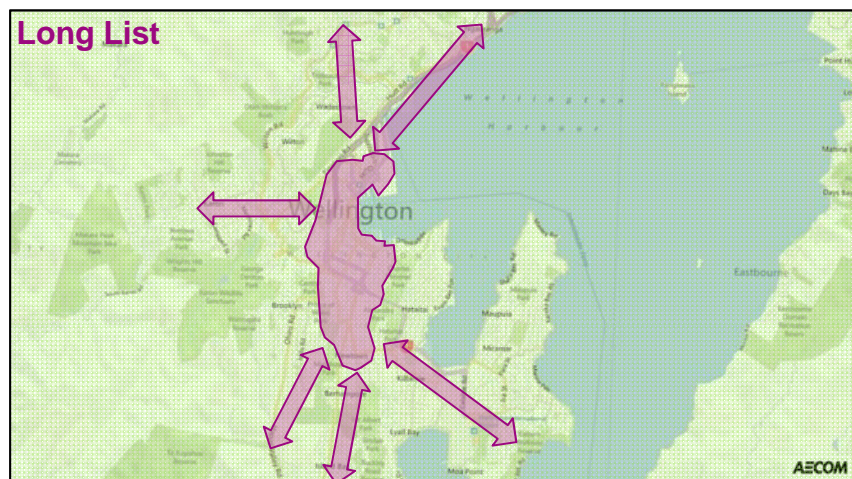
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Modes Considered – Long List



Extent of Study Area



Medium List Modes

Bus



BRT



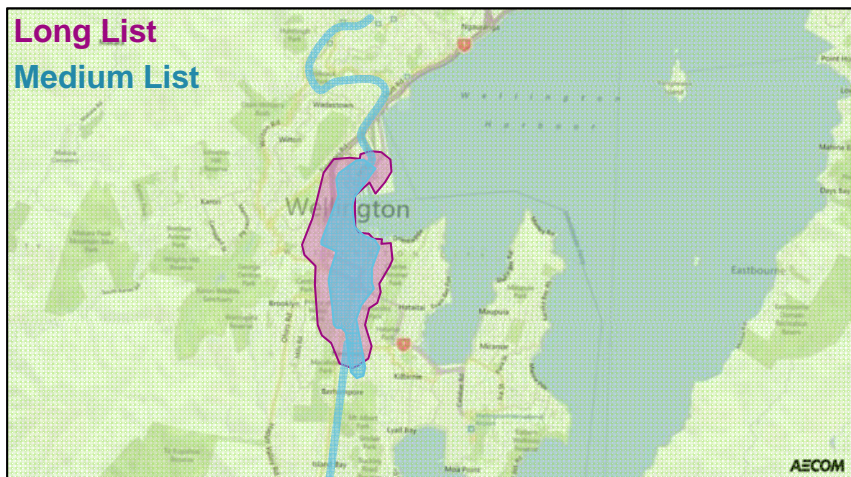
LRT



Rail



Extent of Study Area



Short List Modes

Bus



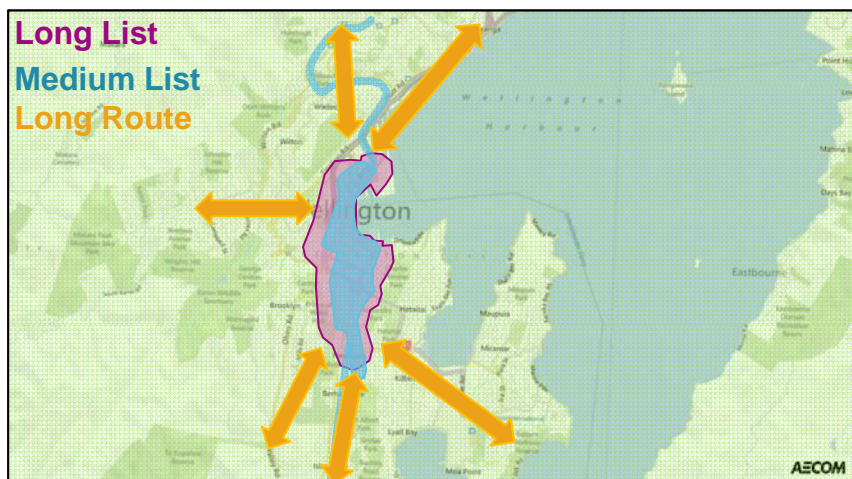
BRT

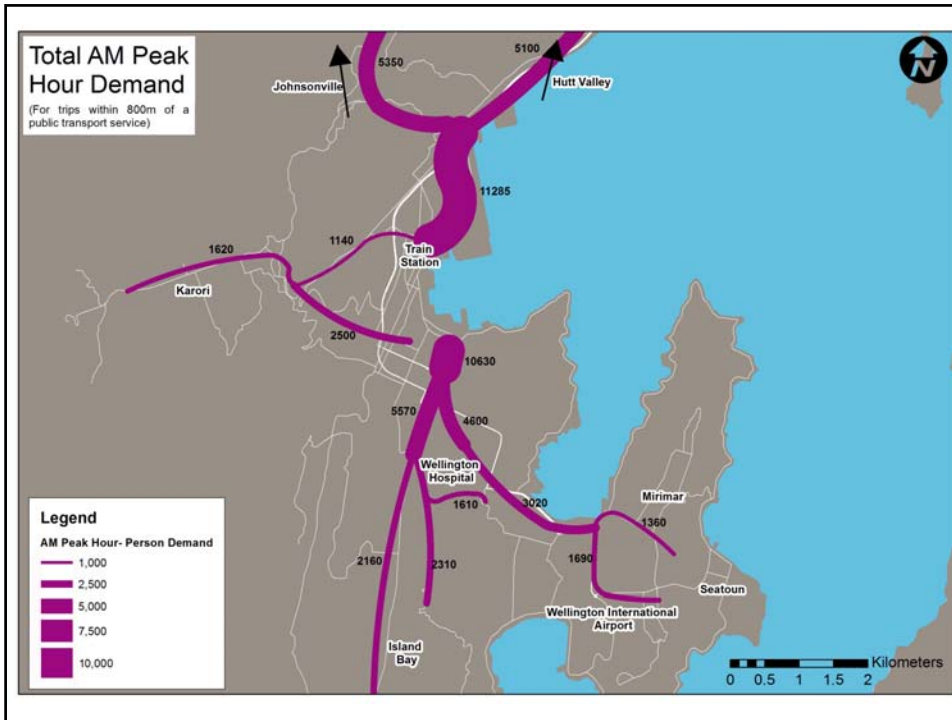


LRT



Extent of Study Area





Short list route alignments

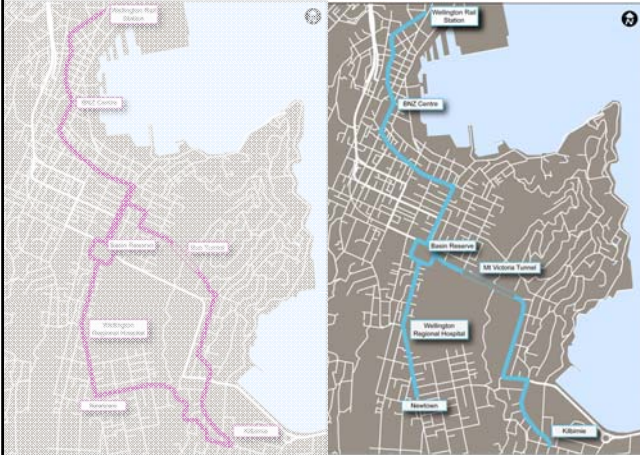
Bus Priority



Short list route alignments

Bus Priority

BRT



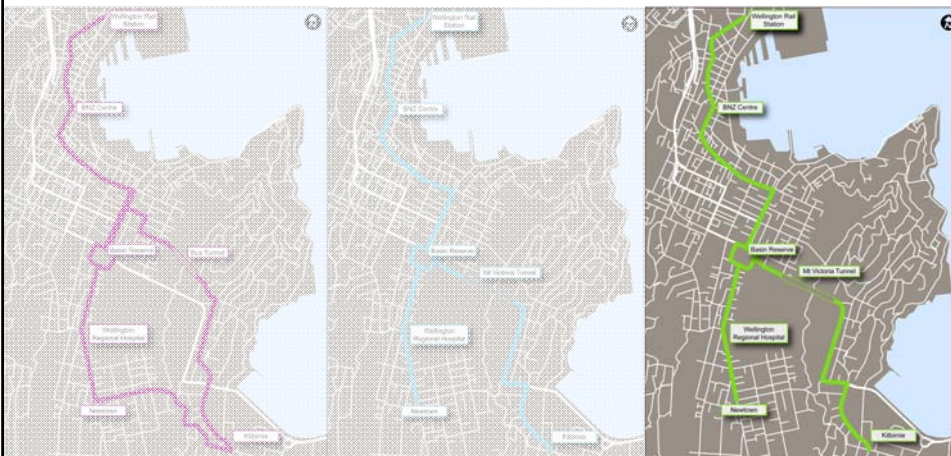
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Short list route alignments

Bus Priority

BRT

LRT



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	Bus Priority	BRT	LRT
Changes in patronage (morning peak)			
South to CBD (2031)	+3%	+8%	No increase
2021 Regional	+1%	+2%	+1%
2031 Regional	+1%	+2%	+1%
2041 Regional	+1%	+3%	+1%
Transfers			
At Newtown	+75%	+35%	+740%
At Kilbirnie	+20%	+200%	+1940%
Cost (millions) and economic assessment			
Construction	\$59	\$207	\$938
PT annual Opex	\$88	\$83	\$89
Benefit cost ratio range	0.57 to 0.67	0.87 to 1.55	0.05 to 0.10

Supporting Infrastructure

- Basin Reserve overbridge
- Mt Victoria Tunnel duplication
- Terrace Tunnel duplication

Future Supporting interventions

Parking

- Future need for over 6000 additional spaces
- Restraining parking to current levels could result up to 7% increase in PT mode share

Land use

- Need to direct growth along growth spine
- PTSS options facilitate growth

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Where to Next

Since completing the paper

- The Regional Transport Committee - voted to proceed with a bus rapid transit network between the Wellington CBD and southern suburbs.
- Decision not to continue use of trolley buses beyond 2017

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Questions?

