

How are we going to pay for all this fairly?

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Outline of talk The role of infrastructure pricing



A trillion on infrastructure?

The \$200b problem: How broken is New Zealand?

Susan Edmunds

ECONOMY / APLACISIS

A gaping infrastructure deficit and a growing population will pose a challenge to the incoming National-led government

Mith New 22, 5 Starr by Dar Brunahil

Govt, industry must work together on infrastructure deficit - expert



FIXING NEW ZEALAND'S \$75,000,000,000 INFRASTRUCTURE DEFICIT

NEW ZEALAND HAS UNDERINVESTED IN INFRASTRUCTURE FOR DECADES





by Statistics New Zealand on Wedneaday showed there wer September year, a fresh record that could yet go higher.

helping make up for low birthrates and ease pressures in th mic activity and boosting house prices.

ê RNZ	Home No	ews Ra	dio Podcas	ts & Seri	es Topics	Te Ao	Māori
New Zealand Worl	d Politics	Pacific	Te Ao Mãori	Sport	Business	Country	Local
BUSINESS / ECO	NOMY						
\$1 trill	ion	to k	oring	1 N	Ζ		
infrast							



No chance What does a trillion dollars mean?



So, if we can't raise a trillion dollars, What do we do?

Pricing.

Part 1: Pricing

Infrastructure is like pizza Demand depends on the price





Pricing

Part

What happens when prices are kept too low **Bread lines in the Soviet Union**



Carless days scheme is taking motorists

Politics in Action

But most of this saving

cames from weekend re-

trictions and higher prices.

cannot afford to uso as

much petrol as helore ---

and still more price rises

So there is a good args

The argament against it

on fairness grounds is even

After all, it is stat only

Raiph Maxwell and

igainst it for some time, al

though they have failed to

ment against needing the

carbos days scheme any

more as a saving device.

more pronounced. New that Rob Muidoea

are ensuing any day now.

Many people just simply

C'MON, Bill Birch, it's time to stop playing for a ride

Bill, the minister of me energy, said during the eeck that he intended "reviewing" these who had ex-Good grief, Bill, heyen't

out yet bearned that tinkerug with a failure is hardly going to bring success?

You only have to look at Bab Maldoon's handling of the consumy to see that. Bill Birch is going to review the list of exemptions, as apparently 25 per cont of the country's motorists and have exemption stickers, and the Bu is still growing The point is, Bill, that tinhering with this huroaucratic nightanary is only pling to make more u

has arrived back from his The fact is that rurless first junket of the year, Bill days is a disaster. filrels should have a talk to It was great as a publichim about this whole non-By stunt to encourage people to save petrol. Its perchological effect in training people to do withot their cars on one day of the week was quite our Labour MPs who are In been criticising this scheme. It even contributed in a mail way to car gooling Frank Rogers have been and petrol savings. running a campaign

state their case very well. But this saving was frac-Anyony compalgating tional - and is no hinger ngainst carless days would fertrai. appear in have the Port off-take figures equivalent of a poker. show that we're using hand's reval routine, but about four per cost less the Labour dus have played fuel than a year ago. the equivalent of a sad pair.

with Miles Wallace And even National's

Marilyn Waring has shown her exasperation with the

She wattts justices of the poace rather than the poller to administer the scheme and to give the specini exemptions.

I daily witness the spectarle of rural constituents making a sportal return trip for a exemption form so they can make a similar trip on their earless day, she computationed in a letter

This misis the possibility

Government arguments

that petrol savings could ac-

tually increase if the

that petrol savings de-

teriorated over the Christ

mas holldsys, when the

days were lifted, are simply

scheme was withdrawn.

And this is the worst day varied. point of carless days - it often wastes perrol. People drive for miles to get an exemption form. Or they take taxis which cust a double distance. Or, they get a friend to drive them. a law that is being ignored which also used extrais a had live

If Bill Barch is ground in 'review' excutations, then he is going to have to set up a further costly huroaucracy to do it. And this is the Government that is supposed to be reducing this burden - mil nung II.

Apart from this, the end heas days scheme is arbitrary, discriminates against the single car family and post office cierks in dif foront parts of the country have a varying simulard in pasting the exemptions

This is the time of the

year when everyone travely and more petrol is hound to

As well, family situations change. A carless day that was convenient last July, when the scheme started may he terribly autoward for a family in this new arbool vent.

But just try getting the Then there is the question of whe is obeying the erheme in any rase. Surveys by this news super have shown that if is ing widely ignored. And

What happens when prices are kept too high Butter mountains in Europe



Overproduction: wine distilled to make hydroalcoholic gel

Publishedon 06/16/2020 22:05



What happens prices send the right signals Masks during Covid pandemic



Changes in the price of face masks in 2020, adapted from [16].

Part 2: Pricing in transport now The role of infrastructure pricing



Transport pricing and investment Current system settings

- Land transport was originally designed as a cost-recovery user pays model
- Investment is determined by policy:
 - Since 2009, the GPS on Land Transport sets the level and mix of investment in the National Land Transport Fund
 - NZTA administers the NLTF, with discretion to choose a funding target within GPS-LT ranges and choose projects within activity classes (unless otherwise directed)
- Prices are set by policy:
 - Cabinet sets key transport prices (eg fuel excise duty, road user charges, vehicle rego fees)
 - A Cost Allocation Model is used to identify how to allocate the cost of planned spending to different users

Per capita investment by sector (inflation adjusted)



Per capita investment by sector (inflation adjusted)



Per capita investment by sector (inflation adjusted)



Per capita investment by sector (inflation adjusted)



Per capita investment by sector (inflation adjusted)



Transport is increasingly paid for by non-users



■ NZTA revenue ■ Crown loans ■ Crown appropriations

Summing it up Pricing in transport now

- Per-capita investment is up 407% since 1990
- Disconnect between what we spend and what people pay

What is our transport investment `need'?



Part 3: How the money is being spent The role of infrastructure pricing



There is no lack of spending But what we spend it on matters too



What we *are* spending **Renewal spending to depreciation ratios**





Spendin M

Less Spending = Less Maintenance Resealing work undertaken



Less Maintenance = Worse Condition

Change in smooth travel exposure



Part 3: Spending

(\bullet) Spendin Part





Capital upgrades More motorways, more congestion



What does this have to do with transport for future generations?

Ensuring that those who benefit pay – now vs. future



Asset Management – leaving assets in good condition





Part 4: What can we do about it The role of infrastructure pricing



What can we do about it

What can you do about it?

1 Design high value for money projects

- Maintain what you have before building something new
- Look at lower cost and non-built options first
- Chase value, don't be 'cost blind'
- Design solutions that cost less than the size of the problem



- Figure out how much people value your intervention
- Can you:
 - Use parking fees?
 - Use a toll/congestion charge?
 - Use a targeted rate?
 - Use revenue to guide investment?

What are we doing about it?

Infrastructure Priorities Programme

A process for us to identify the top infrastructure issues and solutions.

A public menu of priority infrastructure proposals that have been independently reviewed.



Infrastructure Needs Assessment

Understand the long-term demand for infrastructure investment.

What are the financial implications of these drivers of demand?

Priority Reforms

3

Identify policy and institutional changes that help achieve the desired goals.

Strengthen incentives across the infrastructure system

What does good look like?

Our Infrastructure Priorities Programme



Strategic alignment

Does it align with the strategic priorities for New Zealand and sector level strategies?



Value for money

Is it likely to provide value to society above the costs required to deliver, operate, and maintain it?



Deliverability

Can it be delivered by the project's proponents and the construction industry?

4: Action

Part

To find out more, visit our website https://tewaihanga.govt.nz/

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Thank you for your time

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