

Nick Ross

From: 9(2)(a)
Sent: Thursday, 11 April 2019 12:18 PM
To: 9(2)(a); Greg Pollock
Cc: Luke Troy; Wayne Hastie
Subject: FW:

Any interest from yourselves or other colleagues?

Ngā mihi,
9(2)(a)

9(2)(a) | Kaiwhakahaere Waka-ā-rohe | Manager, Regional Transport

GREATER WELLINGTON REGIONAL COUNCIL

Te Pane Matua Taiao

Lvl 2, 15 Walter St. Te Aro, Wellington 6011 | PO Box 11646, Manners St, Wellington 6142

9(2)(a)

www.gw.govt.nz

Join the conversation at getwellymoving.co.nz



From: 9(2)(a)

Sent: Thursday, 11 April 2019 12:03

To: Adam Nicholls <adam.nicholls@nzta.govt.nz>; Willy Trolove <Willy.Trolove@nzta.govt.nz>; Barry Mein 9(2)(a)
9(2)(a) Kesh Keshaboina <Kesh.Keshaboina@nzta.govt.nz>; 9(2)(a)

Cc: 9(2)(a)

Subject:

Hi all,

Just to let you know that one of the independent consultants (Marie Verschuer) leading the trackless tram trial in Perth (WA) is going to be over in New Zealand for the ITS conference in early May. While she is in NZ she has offered to meet up with agencies/Councils who may be interested in the technology and the outcomes of the trial. She could be available to be in Wellington on Friday 3rd May – let me know if there is any interest/availability from a LGWM perspective and I can coordinate a presentation/lunch and learn session.

Cheers

9(2)(a)

Technical Director – Transport Advisory
Stantec New Zealand
Level 14, 80 The Terrace
Wellington 6141 New Zealand

Phone: 9(2)(a)

Mobile

9(2)(a)



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Nick Ross

From: Greg Pollock 9(2)(a)
Sent: Thursday, 11 April 2019 12:46 PM
To: 9(2)(a)
Cc: Luke Troy; Wayne Hastie; 9(2)(a)
Subject: RE:

Yes I am interested. I suspect some councillors may be interested too 9(2)(a) could you gauge interest from councillors perhaps

Thanks
Greg

Greg Pollock | General Manager, Public Transport
GREATER WELLINGTON REGIONAL COUNCIL
Te Pane Matua Taiao
Level 2, 15 Walter Street, Te Aro, Wellington 6011 | PO Box 11646, Manners St, Wellington 6142
www.gw.govt.nz |

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[redacted]; Kesh Keshaboina <Kesh.Keshaboina@nzta.govt.nz>; 9(2)(a)

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9(2)(a)
[redacted]

Technical Director – Transport Advisory
Stantec New Zealand
Level 14, 80 The Terrace
Wellington 6141 New Zealand

Phone: 9(2)(a)

Mobile: [redacted]

9(2)(a)

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Nick Ross

From: 9(2)(a)
Sent: Thursday, 11 April 2019 2:57 PM
To: 9(2)(a)
Subject: RE:

Thanks 9(2)(a) is setting something up as a LGWM morning tea. If you'd like to have a follow on conversation with 9(2)(a) t GW, she can probably do this too :o)
Cheers
9(2)(a)

From: 9(2)(a)
Sent: Thursday, 11 April 2019 2:55 p.m.
To: 9(2)(a)
Cc: 9(2)(a); Adam Nicholls <adam.nicholls@nzta.govt.nz>; Willy Trolove <Willy.Trolove@nzta.govt.nz>; 9(2)(a)
9(2)(a) Kesh Keshaboina <Kesh.Keshaboina@nzta.govt.nz>; 9(2)(a)
Subject: RE:

Hi 9(2)(a)

I (and a number of my GW PT colleagues) am interested in attending and am available on 3 May.

Noā mihi,
9(2)(a)

9(2)(a) | Kaiwhakahaere Waka-ā-rohe | Manager, Regional Transport
GREATER WELLINGTON REGIONAL COUNCIL
Te Pane Matua Taiao
Lvl 2, 15 Walter St, Te Aro, Wellington 6011 | PO Box 11646, Manners St, Wellington 6142
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Mobile:

9(2)(a)



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Nick Ross

From: Wayne Hastie 9(2)(a)
Sent: Thursday, 11 April 2019 3:14 PM
To: 9(2)(a)
Subject: RE:

Yes me as well

Wayne Hastie | GM Strategic Programmes
Metlink

9(2)(a)

15 Walter St, Te Aro, Wellington 6011 | PO Box 11646, Manners St, Wellington 6142 | metlink.org.nz

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From: 9(2)(a)
Sent: Thursday, 11 April 2019 12:18 PM
To: 9(2)(a) Greg Pollock 9(2)(a)
Cc: Luke Troy 9(2)(a) Wayne Hastie 9(2)(a)
Subject: FW:

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Noā mihi,
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Technical Director – Transport Advisory
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Level 14, 80 The Terrace
Wellington 6141 New Zealand

Phone: 9(2)(a) [redacted]
Mobile: [redacted]

9(2)(a) [redacted]



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Nick Ross

From: Luke Troy 9(2)(a)
Sent: Thursday, 11 April 2019 1:11 PM
To: 9(2)(a)
Subject: Re: FW:

Yes pls

Sent from my iPhone

On 11/04/2019, at 12:18 PM, 9(2)(a) wrote:

Any interest from yourselves or other colleagues?

Ngā mihi,

9(2)(a)

9(2)(a) | Kaiwhakahaere Waka-ā-rohe | Manager, Regional Transport
GREATER WELLINGTON REGIONAL COUNCIL
Te Pane Matua Taiao
Lvl 2, 15 Walter St, Te Aro, Wellington 6011 | PO Box 11646, Manners St, Wellington 6142
9(2)(a)
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Join the conversation at getwellymoving.co.nz

<image002.jpg>

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9(2)(a); Kesh Keshaboina <Kesh.Keshaboina@nzta.govt.nz>; 9(2)(a)
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9(2)(a)

Technical Director – Transport Advisory
Stantec New Zealand
Level 14, 80 The Terrace
Wellington 6141 New Zealand

Phone: +9(2)(a)

Mobile:

9(2)(a)

<image003.png>

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Nick Ross

From: 9(2)(a)
Sent: Thursday, 11 April 2019 4:15 PM
To: 9(2)(a)
Cc: 9(2)(a); Greg Pollock; Luke Troy; Wayne Hastie
Subject: Re: RE:

Yep would be great it pick Marie's brain

Sent from my iPhone

On 11/04/2019, at 14:41, 9(2)(a) wrote:

yes

9(2)(a) | Manager Rail Operations
METLINK

9(2)(a)
15 Walter St, Te Aro, Wellington 6011 | PO Box 11646, Manners St, Wellington 6142 | metlink.org.nz
Follow us online: [Facebook](#) | [Twitter](#)

To find out what it means for your journey go to metlink.org.nz/onourway

<image001.jpg>

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Stantec New Zealand
Level 14, 80 The Terrace
Wellington 6141 New Zealand

Phone: 9(2)(a) [redacted]
Mobile: [redacted]

9(2)(a) [redacted]

<image003.png>

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Nick Ross

From: David Chick 9(2)(a)
Sent: Thursday, 11 April 2019 12:10 PM
To: 9(2)(a) Luke Troy
Cc: Kesh Keshaboina; Adam Nicholls; Barry Mein 9(2)(a)
Subject: RE: Trackless Trams

Thanks 9(2)(a)

Definitely interested and suggest a PSG/TMT session as a minimum.

Ngā mihi,

David Chick

Chief City Planner | Wellington City Council

P 9(2)(a)

E 9(2)(a)

| W Wellington.govt.nz |



From: 9(2)(a)
Sent: Thursday, 11 April 2019 12:03 PM
To: David Chick; Luke Troy
Subject: Trackless Trams

Hi gents,
See below – let me know if there is any wider interest within WCC or GW in this.

Cheers

9(2)(a)

From: 9(2)(a)
Sent: Thursday, 11 April 2019 12:03 p.m.
To: 'Adam Nicholls' <adam.nicholls@nzta.govt.nz>; 'Willy Trolove' <Willy.Trolove@nzta.govt.nz>; 'Barry Mein' 9(2)(a); Kesh Keshaboina <Kesh.Keshaboina@nzta.govt.nz>; 9(2)(a)

9(2)(a)
Cc: 9(2)(a)
Subject:

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9(2)(a)

Technical Director – Transport Advisory
Stantec New Zealand
Level 14, 80 The Terrace
Wellington 6141 New Zealand

Phone: 9(2)(a)
Mobile: 9(2)(a)

9(2)(a)



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Nick Ross

From: Barry Mein 9(2)(a)
Sent: Thursday, 11 April 2019 4:22 PM
To: Pauline Harrex; 9(2)(a)
Cc: Kesh Keshaboina; Adam Nicholls; David Chick; Luke Troy
Subject: RE: Trackless Trams

I think a wider group could be beneficial, and I note that 9(2)(a) has expressed an interest.

Not sure whether we need to extend to the whole morning tea list, but maybe the PSG members can identify staff in their organisations that would benefit from attendance.

Barry Mein
9(2)(a)

From: Pauline Harrex <Pauline.Harrex@nzta.govt.nz>
Sent: Thursday, 11 April 2019 4:19 PM
To: 9(2)(a) Barry Mein 9(2)(a)
Cc: Kesh Keshaboina <Kesh.Keshaboina@nzta.govt.nz>; Adam Nicholls <adam.nicholls@nzta.govt.nz>; David Chick 9(2)(a); Luke Troy 9(2)(a)
Subject: RE: Trackless Trams

Hi 9(2)(a)

Placeholder sent out. There has been a suggestion that this invite go out to the 'LGWM morning tea' list of people.

Hi Barry

Could you advise? I'm on leave tomorrow so happy to update or change the invite on Monday.

Cheers

Pauline Harrex / Programme Administrator

N2A Programme

DDI 9(2)(a)

9(2)(a) / www.nzta.govt.nz

The Majestic Centre Level 5, 100 Willis Street
PO Box 5084, Wellington 6011, New Zealand

From: 9(2)(a)
Sent: Thursday, 11 April 2019 12:12 PM
To: David Chick 9(2)(a); Luke Troy 9(2)(a)
Cc: Kesh Keshaboina <Kesh.Keshaboina@nzta.govt.nz>; Adam Nicholls <adam.nicholls@nzta.govt.nz>; Barry Mein 9(2)(a) Pauline Harrex <Pauline.Harrex@nzta.govt.nz>
Subject: RE: Trackless Trams

Thanks David – Pauline are you able to help me coordinate this?

Cheers

9(2)(a)

From: David Chick 9(2)(a)
Sent: Thursday, 11 April 2019 12:10 p.m.
To: 9(2)(a)
Cc: Kesh Keshaboina (Kesh.Keshaboina@nzta.govt.nz) <Kesh.Keshaboina@nzta.govt.nz>; Adam Nicholls (adam.nicholls@nzta.govt.nz) <adam.nicholls@nzta.govt.nz>; Barry Mein 9(2)(a)
Subject: RE: Trackless Trams

Thanks 9(2)(a)

Definitely interested and suggest a PSG/TMT session as a minimum.

Ngā mihi,

David Chick

Chief City Planner | Wellington City Council

P 9(2)(a)

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W Wellington.govt.nz |

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Sent: Thursday, 11 April 2019 12:03 PM
To: David Chick; Luke Troy
Subject: Trackless Trams

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9(2)(a) <9(2)(a)>; Kesh Keshaboina <Kesh.Keshaboina@nzta.govt.nz>; 9(2)(a)

Cc: 9(2)(a)

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9(2)(a)



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Nick Ross

From: 9(2)(a)
Sent: Thursday, 2 May 2019 4:00 PM
To: Pauline Harrex; 9(2)(a)
Cc: Simon Prosee; 9(2)(a) Harriet Dunnett
Subject: RE: LGWM Speaker: Marie Verschuer | Topic: Trackless Trams

Thanks – that sounds good -

From: Pauline Harrex <Pauline.Harrex@nzta.govt.nz>
Sent: Thursday, 2 May 2019 3:51 p.m.
To: 9(2)(a)
Cc: Simon Prosee <Simon.Prosee@nzta.govt.nz>; 9(2)(a) Harriet Dunnett <Harriet.Dunnett@nzta.govt.nz>
Subject: RE: LGWM Speaker: Marie Verschuer | Topic: Trackless Trams

Hi 9(2)(a)

My apologies, I am unable to attend tomorrow as I'll be on leave. Barry will be joining via skype so if Marie has a presentation, could you please ask her to bring it on a flash drive and share via the skype invite. Simon will have an NZTA laptop and is available to support (thank-you Simon). 9(2)(a) will set up the Collaborative space and put out biscuits (thank-you 9(2)(a))

I hope everything goes well.

Kind regards

Pauline Harrex / Programme Administrator

N2A Programme

DDI 9(2)(a)

E 9(2)(a) / [w nzta.govt.nz](http://www.nzta.govt.nz)

The Majestic Centre Level 5, 100 Willis Street
PO Box 5084, Wellington 6011, New Zealand

-----Original Appointment-----

From: Rudge, Mike <Mike.Rudge@stantec.com>
Sent: Thursday, 2 May 2019 3:22 PM
To: Pauline Harrex
Subject: Accepted: LGWM Speaker: Marie Verschuer | Topic: Trackless Trams

When: Friday, 3 May 2019 10:00 AM-11:00 AM (UTC+12:00) Auckland, Wellington.

Where: Majestic Level 5 Café (Collaboration area)

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www.nzta.govt.nz

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Nick Ross

Subject: FW: Briefing from Independent Consultant re trackless trams
Location: Walter St Council Chamber

Start: Fri 3/05/2019 3:00 PM
End: Fri 3/05/2019 4:00 PM
Show Time As: Tentative

Recurrence: (none)

Organizer: Helen Plant

Importance: High

-----Original Appointment-----

From: 9(2)(a)
Sent: Monday, 29 April 2019 1:11 p.m.
To: 9(2)(a); COUNCILLORS; Greg Pollock; 9(2)(a)
Subject: Briefing from Independent Consultant re trackless trams
When: Friday, 3 May 2019 3:00 p.m.-4:00 p.m. (UTC+12:00) Auckland, Wellington.
Where: Walter St Council Chamber
Importance: High

Good afternoon councillors

We have been offered a briefing from consultant, Marie Verschuer who is leading the trackless tram trial in Perth WA, while she is in NZ. If any of you are interested in attending please respond. It will be held in our council chamber.

Regards

9(2)(a)

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Nick Ross

From: 9(2)(a)
Sent: Friday, 12 April 2019 3:42 PM
To: Pauline Harrex
Subject: 12.4.19 Trackless Trams presentation outline and short bio - Marie Verschuer
Attachments: 12.4.19 Trackless Trams presentation outline and short bio - Marie Verschuer.docx

Hi Pauline,
Here's some more information on the trackless tram presentation and presenter

Cheers

9(2)(a)

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Marie Verschuer Director Bodhi Alliance

Marie Verschuer is a social planner specialising in the area social and economic development and currently leading transport change with a focus on trackless trams. She has a Masters degree in Built Environment and Design Cultural Heritage from Curtin University. For 20 years Marie has worked in the fields of community infrastructure planning, transport planning and strategic asset management assisting government in the provision and evaluation of social infrastructure include housing, hospitals, schools, as well as transport infrastructure.

In 2015 she together with Dr Neville Binning, undertook a transport opportunities study for Parramatta Road in Sydney. This work highlighted the emerging technologies of trackless trams and last mile transport that could lead to transformational change in public transport. Inspired by the potential city shaping opportunities offered by the coalescence of advancements in energy, vehicle autonomy, ITS and communication technologies she has focussed her research on the many opportunities and associated issues including vehicle and network design, road design, place and land development opportunities and funding options.

She is currently working with Curtin University and others providing advice on emergent transport technologies and opportunities for public transport in NSW, Victoria, Queensland, Western Australia, USA, UK and Africa.

Presentation

The Role of Trackless Trams in the Transport Revolution

There has been much interest in the concept of the 'Trackless Trams'. However, there is much more for key decision-makers to consider than the Trackless Tram vehicle itself. This presentation discusses both the city shaping possibilities of new automated transit systems and also the risks inherent in adopting new technologies.

Informed by studies, field trips and current trialling of the technology the presentation will cover in brief the history of the trackless tram from rail and optical guided vehicles to level 4 autonomy. It present for consideration the potential role integrated transit systems anchored by trackless trams and supported by on-demand vehicles, micro and active transit and communications and how these could transform our cities from car dominated roadways into green interconnected living streets.

It looks at the lessons we have learned from earlier transport revolutions and from rubber tyred trams, light rail and bus rapid transit. It raises questions of design standards and interoperability, and how to design these new systems so they are resilient and adaptive to the changes that will flow from the coming autonomous transport revolution and emergent technologies.

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