

NTS2: Policy Development, Collation and Assessment

Scottish Transport Application and
Research Conference

Paul McCartney/Laurence Kenney

22 May 2019



now
part of

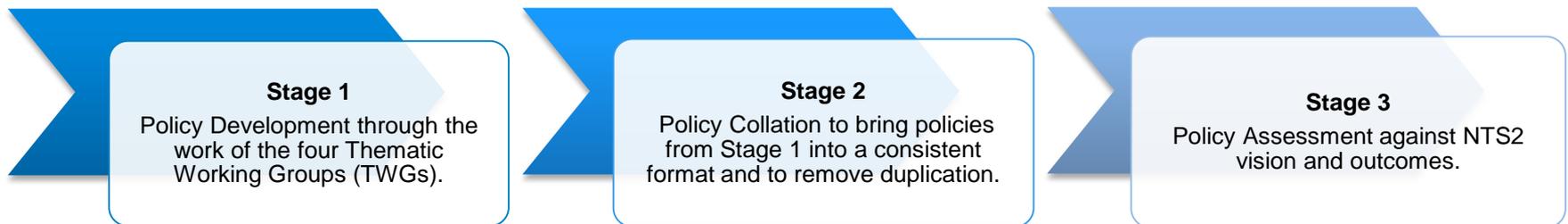


Stantec

Introduction

The NTS Review builds upon the 2006 Strategy, and its subsequent refresh in 2016, to produce a successor Strategy (the NTS2) setting out an updated vision for Scotland's transport system over the next 20 years.

The process for identifying potential policies for the NTS2 has involved three sequential stages.



Today's presentation will include a summary of each of the three stages.

Policy Development

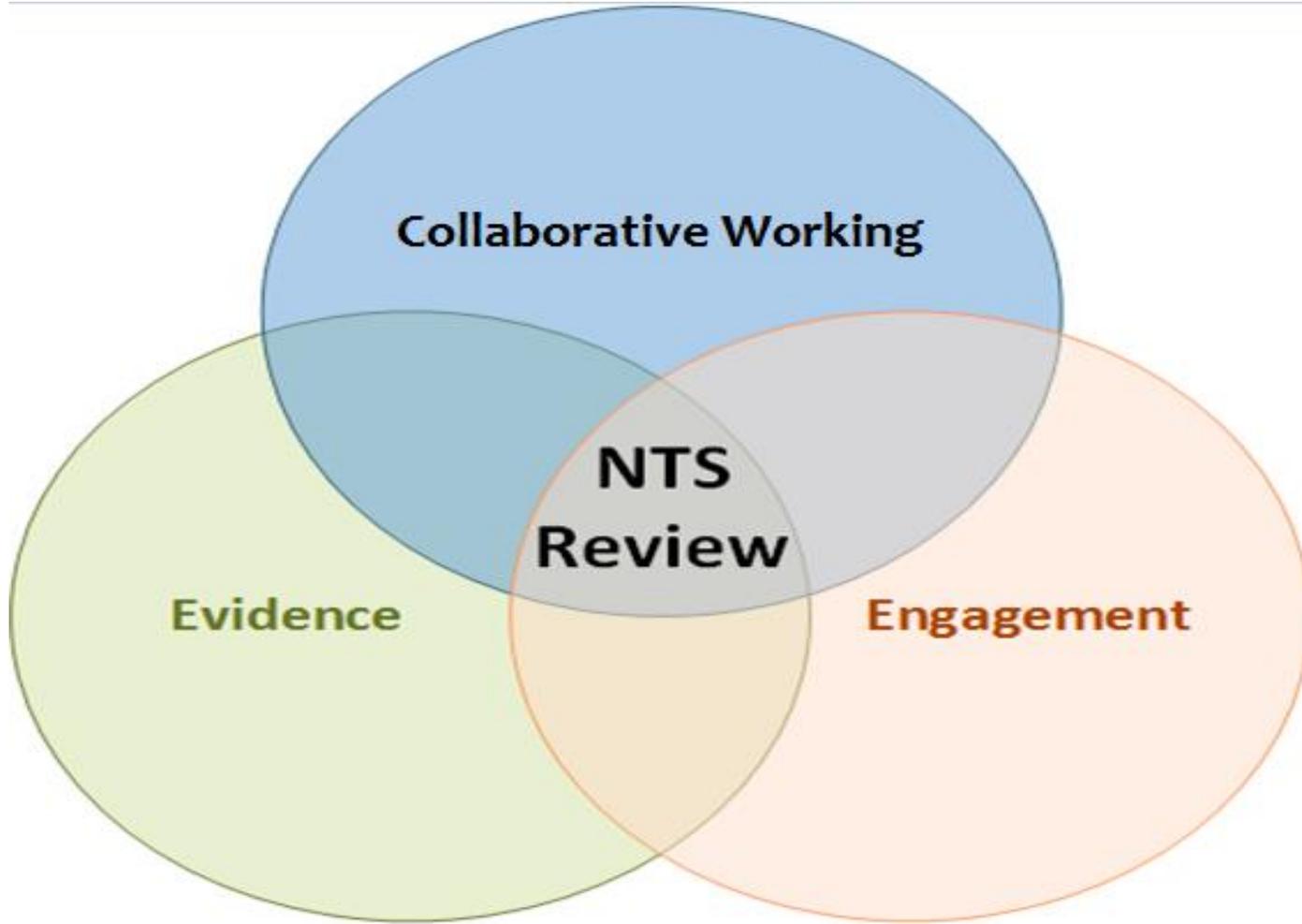


now
part of



Stantec

Three-pronged Approach



Collation: Policy Themes and Outcomes



Thematic Working Groups

NTS Review Stage 1: Policy Development undertaken by four TWGs, which focussed on the following themes:

- Promoting Equality
- Takes Climate Action
- Helps our Economy Prosper
- Improves our Health and Wellbeing

Policy Collation



now
part of



Stantec

Thematic Working Group Outputs

In total there were **94** policy proposals developed by the four Groups. It was clear from reviewing the policies that there had been different approaches taken to identifying the policies. This meant that there were some fundamental differences in the policy proposals/outputs produced by each TWG.

Helps our Economy Prosper	Promotes Equality	Takes Climate Action	Improves our Health and Wellbeing
<ul style="list-style-type: none">• Policies based on the linkages between transport and economic growth.• <u>Two-tiered policy definition model.</u>• Example: To prioritise space efficient modes of transport.	<ul style="list-style-type: none">• Policies based on transport issues identified for different types of inequality.• <u>Three-tiered policy definition model.</u>• Example: Address the supply-side barriers which are leading to the under-representation of certain groups amongst the active travel population.	<ul style="list-style-type: none">• Policies driven by TWG members.• <u>Policies interpreted widely, including actions, with no agreed policy definition.</u>• Example: Introduce a Scottish Free Bus Day.	<ul style="list-style-type: none">• Policies driven by TWG members.• <u>Policies interpreted widely, including actions, with no agreed policy definition.</u>• Example: Increase the safety of young and newly qualified drivers through Graduated Licensing.

Policy Definition

A **Policy** is an appropriately high-level statement aimed at achieving a particular outcome e.g. a policy could be to deliver a transport system that reduces the impact of climate change.

An outcome can be achieved in different ways and a **Measure** represents a mechanism for delivering the high-level policy e.g. using the policy above, the measure could be to reduce vehicle emissions.

A Policy **Action** represents a project/ initiative/ input/ intervention that could potentially be implemented to help deliver a given policy measure e.g. the action could be to replace petrol and diesel cars with low emission vehicles.

Collation: Overlap / Duplication / Audit Trail

Updated Policy Description	Collated Policy Description	Contributing Policy Proposals
Encourage greater integration between transport and land use planning	To promote integrated land-use planning between transport planners, infrastructure managers and transport operators, and developers, including domestic and international	Enabling Economic Growth: To promote integrated land-use planning between transport planners, infrastructure managers and transport operators, and developers, including domestic and international
		Greener and Healthier: Prioritise integration between transport and land use planning

Updated Policy Description	Collated Policy Description	Contributing Policy Proposals
Support improvements and technological innovations that enable all members of society to make better informed travel choices	To support improvements that enable all members of society to make fully informed travel choices	Enabling Economic Growth: To support the full roll-out of Real Time travel information across all modes of transport
		Safe and Resilient: To support improvements that enable all members of society to make fully informed travel choices
		Greener and Healthier: Develop regional individualised journey planning and travel awareness campaigns
		Greener and Healthier: Develop and promote a national multi-modal sustainable journey planner

Collation exercise culminated in:

- 14 Policies
- 38 Measures

Policy Assessment



now
part of

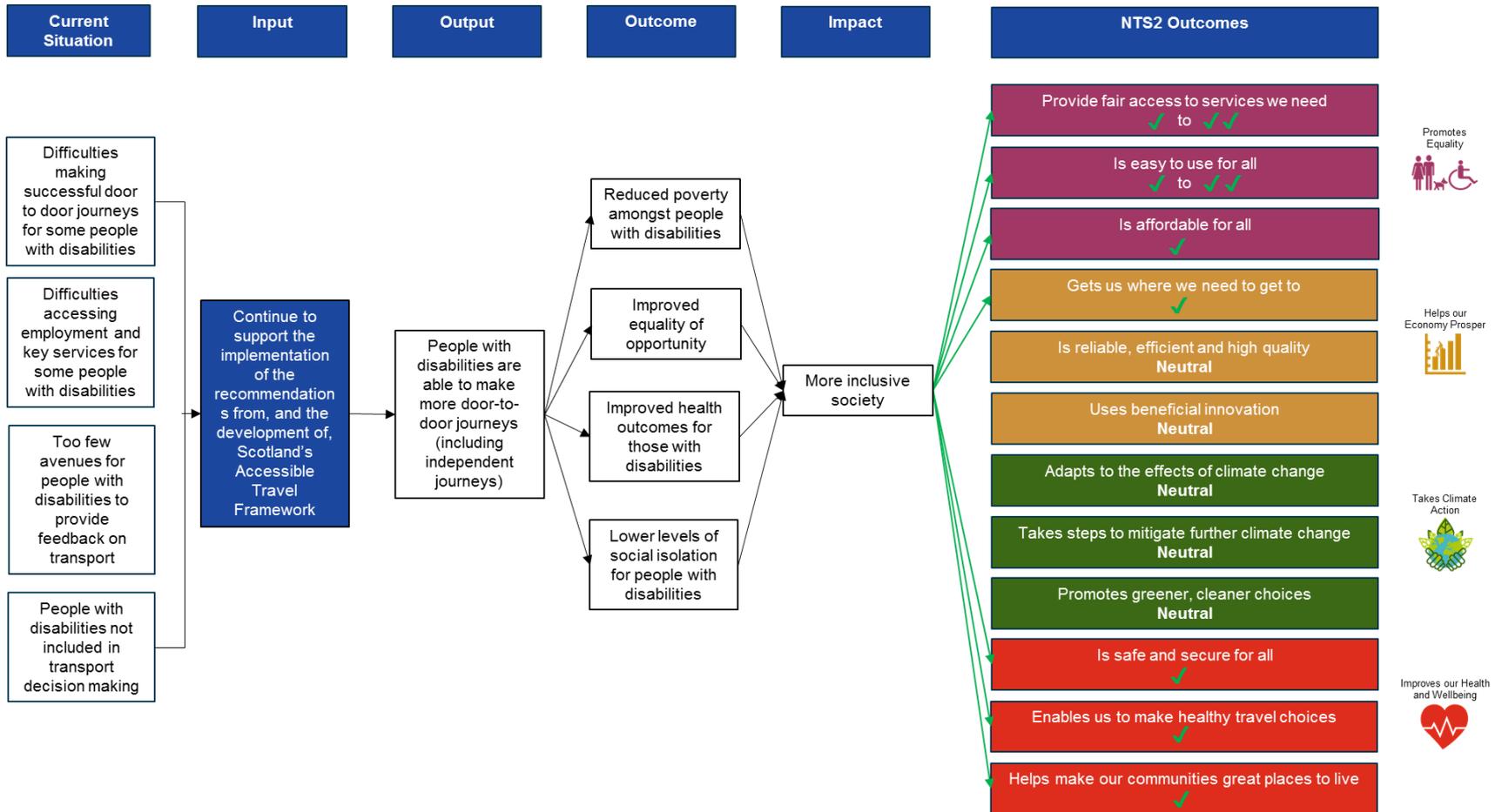


Stantec

Policy Assessment

- Evidence Gathering and Analysis
- Logic Maps
- Scenario Planning Tool
- Engagement
- Conflict and Complement
- Public Acceptability
- Monitoring and Evaluation Framework

Logic Maps



Scenario Planning Tool – Plausible Futures 1

Plausible Future Scenario	
Healthy and Wealthy	<ul style="list-style-type: none"> ▪ More walking and cycling, with the infrastructure to accommodate demand ▪ There is a move away from vehicular travel ▪ Economic innovation results in less commuting and productivity increases ▪ There is reduced car ownership ▪ Air quality improves
Mindful Travellers	<ul style="list-style-type: none"> ▪ Economic growth alongside a greater understanding of environmental sustainability ▪ Decrease in working hours ▪ Reverse is the trend of conducting life online ▪ Increase demand for personal travel ▪ More walking and cycling with smaller than forecasted car ownership ▪ High use of public autonomous vehicles ▪ Air quality improves
Cyber- Ecos	<ul style="list-style-type: none"> ▪ Reduced working weeks and more people work from home leads to improved productivity ▪ Less time is spent commuting and more time is spent in local communities which regenerates towns ▪ Reduction in the number of trips made by all modes of transport ▪ Reduced walking and cycling leads to an increase in obesity ▪ There is still a large use of manual vehicles ▪ Cars are affordable as energy is cheap and plentiful ▪ Transport emissions reduce
Top Gear	<ul style="list-style-type: none"> ▪ Economic growth is prioritised over caring for the environment ▪ GDP increases, inequalities increase ▪ There is a slow uptake of autonomous vehicles ▪ Car ownership increases more than projected, road traffic increases and congestion remains an issue ▪ The energy grid struggles to cope with demand and energy costs rise ▪ Air quality improves

Scenario Planning Tool – Plausible Futures 2

Plausible Future Scenario	
Straightened Stay Homers	<ul style="list-style-type: none"> ▪ We enter recession ▪ Demand for travel decreases so there is less congestion ▪ Fewer goods are consumed ▪ Investment stalls and the quality of the transport system reduces ▪ Electric cars are cheap which results in a decrease in walking and cycling- this impacts health, which continues to worsen as there is less money to spend on health care
White- Collar Connectors	<ul style="list-style-type: none"> ▪ The number of high skilled workers increase and more people work from home ▪ Commuter trips decrease ▪ Electric cars become the norm and air quality improves leading to denser housing in cities ▪ Travel demand decreases ▪ Car ownership doesn't grow any faster than forecasted ▪ Some people are excluded due to technological changes and expensive goods
Multi-Modal Movers	<ul style="list-style-type: none"> ▪ There is an energy revolution and transport is electrified ▪ Public transport is expanded, and inequalities reduce ▪ Air quality improves ▪ Demand for travel increases leading to congestion at peak times ▪ The use of technology in daily life decreases
Cyber Boomers	<ul style="list-style-type: none"> ▪ Population increases ▪ Energy use increases leading to energy cost increasing ▪ Public transport fares increase ▪ There are fewer non-essential journeys made ▪ There is a reduced need to make physical journeys.

Next Steps



now part of



Stantec

Next Steps

- Draft NTS2 to be published for consultation in July
- Statutory 12-week consultation period
- NTS2 to be published in full end 2019

Any Questions?



now
part of



Stantec



now
part of



Stantec

Thank you.